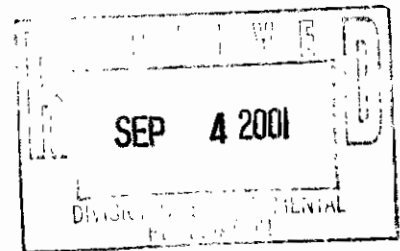


**SUBSURFACE INVESTIGATION
DELUXE CORPORATION
FORMER CHECK PRINTING FACILITY
4707 DEY ROAD
LIVERPOOL, NEW YORK**

Prepared For:

Deluxe Corporation
105 Route 46 W.
Mountain Lakes, NJ 07046

Prepared By:



LEGGETTE, BRASHEARS & GRAHAM, INC.
*110 Corporate Park Drive, Suite 112
White Plains, NY 10604
(914) 694-5711
lbgweb.com*

September 2001

TABLE OF CONTENTS

	<u>Page</u>
INTRODUCTION	1
FIELD ACTIVITIES	1
Monitor Well Installation	1
Community Air Monitoring	2
Ground-Water Sampling	3
Top of Casing Elevation Survey	4
Exposure Assessment	4
RESULTS	4
Hydrogeologic Setting	4
Ground-Water Quality	5
Exposure Assessment	5
CONCLUSIONS	6
RECOMMENDATIONS	6
APPENDIX	

LIST OF TABLES
(at end of report)

Tables

1	Summary of Ground-Water Elevations in Monitor Wells (measured April 5, 2001)
2	Ground-Water Quality, April 4-5, 2001

LIST OF FIGURES
(at end of report)

Figure

1	Site Location Map
2	Site Plan
3	Ground-Water Quality April 4 and 5, 2001
4	Surrounding Properties Map

**SUBSURFACE INVESTIGATION
DELUXE CORPORATION
FORMER CHECK PRINTING FACILITY
4707 DEY ROAD
LIVERPOOL, NEW YORK**

INTRODUCTION

Deluxe Corporation (Deluxe) retained Leggette, Brashears & Graham, Inc. (LBG) to implement the New York State Department of Environmental Conservation (NYSDEC) approved Work Plan which is included in the NYSDEC Voluntary Cleanup Program Number A7-0419-0005 as Exhibit B. The Work Plan included the installation of monitor wells, laboratory analysis of ground-water samples collected from the monitor wells and a qualitative exposure assessment. The purpose of the subsurface investigation described in the Work Plan was to delineate the vertical and horizontal extent of dissolved tetrachloroethylene and its degradation products beneath the site and to evaluate whether they pose an unacceptable risk to human health. LBG conducted the investigation during March, April and May 2001 and all of the methodologies and results are described in this subsurface investigation report. A site location map is shown on figure 1.

FIELD ACTIVITIES

Monitor Well Installation

LBG supervised the installation of twelve monitor wells at the site from March 26, 2001 through April 4, 2001. The wells were installed by Aquifer Drilling & Testing (ADT) of Albany, New York using the air-rotary drilling technique. The wells were installed in four specific locations both in and away from the source zone. Each well location, or cluster, contains three individual monitor wells set to discrete depths within the bedrock. All of the well locations are shown on figure 2 and a discussion of each well's construction follows.

All of the wells in Well Cluster Number 1 (1A, 1B and 1C) are constructed of 4-inch diameter, 0.020-inch slot, polyvinyl chloride (PVC) well screen and 4-inch diameter PVC riser pipe. The total depths of Monitor Wells 1A, 1B and 1C are 20 ft bg (feet below grade), 40 ft bg and 60 ft bg, respectively. The well screen in these three wells is set from 5 to 20 ft bg, 30 to

40 ft bg and 50 to 60 ft bg, respectively. The Cluster Monitor Wells 1B and 1C also have an outer 8-inch diameter steel casing grouted in place from grade to 30 ft bg and grade to 50 ft bg, respectively. The annular space surrounding each well screen was filled with #2 grade sand pack from the bottom of the well to 1 foot above the top of the well screen. A bentonite seal was placed from the top of the sand pack up to 3 ft bg at the intermediate and deep wells and a one-foot bentonite seal was placed from 3 to 4 ft bg at the shallow wells. The remaining 1.5 feet of annular space at all of the wells was filled with drill cuttings composed of bedrock fragments.

All of the wells in Cluster Number 2, 3 and 4 are constructed of 2-inch diameter, 0.020-inch slot, PVC well screen and 2-inch diameter PVC riser pipe. The total depths of shallow Monitor Wells 2A, 3A and 4A is 20 ft bg, the total depths of intermediate Monitor Wells 2B, 3B and 4B is 40 ft bg and the total depths of deep Monitor Wells 2C, 3C and 4C is 60 ft bg. The well screens in these three depth intervals are set 5 to 20 ft bg, 30 to 40 ft bg and 50 to 60 ft bg, respectively. All of the wells with screen settings from 30 to 40 ft bg (intermediate) and 50 to 60 ft bg (deep) are constructed with a 6-inch diameter, outer steel casing set from grade to 30 ft bg and grade to 50 ft bg, respectively. The annular space surrounding each well screen was filled with #2 grade sand pack from the bottom of the well to 1 foot above the top of the well screen. A bentonite seal was placed from the top of the sand pack up to between 3 and 8 ft bg at the intermediate and deep wells and a one-foot bentonite seal was placed from 3 to 4 ft bg at the shallow wells. The remaining 1.5 feet of annular space at all of the wells was filled with drill cuttings composed of bedrock fragments.

Well construction diagrams for all twelve monitor wells are included in the Appendix. During the drilling all tools were steam cleaned between drilling locations. All of the drill cuttings were stored in 55-gallon drums for later disposal.

Community Air Monitoring

During the drilling, LBG implemented the Community Air Monitoring Plan (CAMP) which is described in Section 3.1 of the LBG "Site Specific Health and Safety Plan for Environmental Work Related to Volatile Organic Compounds, Former Check Printing Facility, 4707 Dey Road, Liverpool, New York" dated June 2000. Volatile organic compounds (VOCs) and particulates were continuously monitored by LBG personnel for the duration of the drilling

at the work zone, at the upwind perimeter of the site, the downwind perimeter of the site and at the entrance to an adjacent building occupied by M. S. Kennedy Corporation, present owners of the property.

At no time did the airborne VOC concentrations or particulate concentrations exceed the action levels in the CAMP which are 5 ppm (parts per million) for VOCs and 150 ug/m³ (micrograms per cubic meter) for particulates.

All of the air monitoring data is included in the Appendix.

Ground-Water Sampling

On April 5, 2001, LBG measured the depth to water and total depth of each monitor well at the site using an interface probe and weighted steel tape, respectively. These measurements were used to calculate the volume of water within each well. LBG evacuated at least three volumes of water from each monitor well using a submersible pump which was decontaminated between monitor wells using Alconox and water. All of the evacuated water was stored in 55-gallon drums for later disposal. Once all of the ground water was evacuated and water levels recovered to nearly their static levels, LBG collected ground-water samples from each well using dedicated disposable polyethylene bailers. Each sample was collected in accordance with the Ground-Water Sampling Standard Operating Procedure (GWSSOP) described in the LBG report titled "Work Plan, Deluxe Corporation, Former Check Printing Facility, 4707 Dey Road, Liverpool, New York" dated August 2000. The samples were placed into the appropriate laboratory containers, labeled in accordance with the GWSSOP, placed in a sample cooler with ice and shipped via overnight courier to York Analytical Laboratories (York) of Stamford, Connecticut for analysis by EPA Methods 8260 and 8270. York is a New York State Department of Health (NYSDOH) ELAP certified laboratory and provided NYSDEC ASP Category B deliverables.

In addition to the twelve ground-water samples collected from the twelve monitor wells, a laboratory prepared trip blank and LBG prepared field blank were submitted to York for analysis by EPA Methods 8260 and 8270, respectively.

Top of Casing Elevation Survey

On April 5, 2001, LBG personnel conducted a top of casing (TOC) elevation survey of the twelve monitor wells at the site. The relative elevations of the well casing tops were related to a benchmark which was given an arbitrary elevation of 100.00 feet. The benchmark was established as an "X" chisel cut on a base nut of a light pole along the northern portion of the parking lot.

Exposure Assessment

A qualitative onsite and offsite Exposure Assessment (EA) was conducted during the drilling activities and a subsequent site visit conducted on May 30, 2001. The purpose of the EA was to evaluate whether any existing or potential exposure pathways exist at the site and whether they pose unacceptable risk to human health. The EA surveys the chemical contaminants beneath the site and the potential that someone will come into contact with these chemicals under the present use of the site and the surrounding properties. The EA includes the construction of a surrounding properties map, the identification of any sensitive receptors at the site or in the immediate vicinity and the determination of the source(s) of potable water for the site and the surrounding properties.

RESULTS

Hydrogeologic Setting

Bedrock was encountered from 11 ft bg to 13 ft bg at Monitor Well Cluster Locations 1, 2 and 4. Bedrock was encountered at 20 ft bg at Monitor Well Cluster Location 3. The overburden above the bedrock at all drilling locations consisted primarily of silt and clay. The bedrock encountered was a highly fractured green shale which changed from a brown to a red shale below 30 ft bg. Geologic logs for all of the borings are included in the Appendix.

The depth to ground water in the four shallow wells (1A, 2A, 3A and 4A) ranged from 8.79 ft btoc (feet below top of casing) to 12.38 ft btoc on April 5, 2001. The depth to water in the four intermediate wells (1B, 2B, 3B and 4B) ranged from 32.85 ft btoc to 35.48 ft btoc on April 5, 2001. The depth to water in the four deep wells (1C, 2C, 3C and 4C) ranged from 34.73 ft btoc to 37.55 ft btoc on April 5, 2001. Since ground-water flow within a bedrock aquifer

is predominantly through fractures, the flow direction of the ground water could not be determined as part of this investigation. A ground-water pumping test would be required to determine the bedrock fracture connections between monitor well locations. All of the top of casing elevations, depth to water measurements and total depths of all of the monitor wells are presented on table 1.

Ground-Water Quality

The results of laboratory analysis indicated that tetrachloroethylene and its degradation products were detected in all of the ground-water samples collected from Monitor Wells 1A, 1B and 1C. Concentrations of tetrachloroethylene in the shallow (1A), intermediate (1B) and deep (1C) monitor well samples were 730 ug/l (micrograms per liter), 670 ug/l and 44 ug/l, respectively. The only VOCs detected in the samples collected from Monitor Well Clusters 2 and 3 were 1,1,1 trichloroethane, 1,1-dichloroethane and 1,1-dichloroethylene; all at concentrations less than or equal to 4.0 ug/l. The ground-water samples collected from Monitor Wells 4A, 4B and 4C contained tetrachloroethylene at concentrations of 5.0 ug/l, <1.0 ug/l and 15 ug/l, respectively. A ground-water quality map depicting tetrachloroethylene, trichloroethylene and vinyl chloride concentrations at all four monitor well cluster locations is included as figure 3. There were no semivolatile organic compounds detected in any of the ground-water samples.

A summary of all the detected VOCs from the April 4 and April 5, 2001 sampling event is presented on table 2. A copy of the original laboratory report is included in the Appendix. LBG reviewed all of the Quality Assurance/Quality Control data provided by York and found it to be accurate, complete and usable data. A Data Usability Summary Report (DUSR) is included in the Appendix.

Exposure Assessment

The results of the qualitative onsite and offsite EA are the following:

1. The predominant dissolved contaminants beneath the site are tetrachloroethylene and its degradation products. They are primarily detected in the ground water within bedrock fractures.
2. The only sensitive receptor identified during the investigation was a drainage swale located along the northern property line. The swale is supplied its water

from culverts along Edgecomb Road to the west and from several onsite sources. At the time of our survey, no water was observed flowing in the swale. It appears that local ground water does not flow into the swale, rather that water from the swale flows toward the water table.

3. There is little to no risk of human contact with the impacted ground water at the site with the current use of the property and surrounding properties. The properties surrounding the site are commercial and/or light industrial. There were no residential properties in the area. A surrounding properties map is presented on figure 4.

4. It was determined through telephone interviews with the Town of Clay Water Department that the site and all of the surrounding properties within at least one-quarter mile of the site are supplied with public water. Neither the site nor its surrounding properties contain potable water-supply wells.

CONCLUSIONS

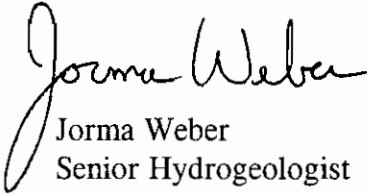
1. Concentrations of tetrachloroethylene and its degradation products were highest in the ground-water samples collected from the former underground storage tank (UST) area.
2. The predominant pathway for dissolved VOC migration beneath the site is through bedrock fractures.
3. The site and surrounding area is serviced by a public water supply and it is not likely that any potable wells could be impacted by the onsite contaminants.

RECOMMENDATIONS

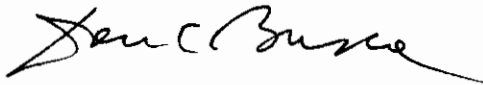
Based on all of the data collected during this investigation, LBG recommends that a quarterly ground-water sampling program be initiated at the site. The purpose of the program would be to collect additional ground-water quality data and determine whether dissolved VOC concentrations are increasing or decreasing with time. Each ground-water sampling event should

be conducted in accordance with the established GWSSOP. LBG recommends that the ground-water samples be analyzed by EPA Method 8260 and that quarterly sampling and status reports be submitted to the NYSDEC. Depending on the trend in dissolved VOC concentrations observed over time, an appropriate remediation plan will be prepared and submitted to NYSDEC for review.

LEGGETTE, BRASHEARS & GRAHAM, INC.


Jorma Weber
Senior Hydrogeologist

Reviewed By:


Dan C. Buzea, CPG
Vice President

dmd

September 6, 2001

reports\deluxe\subsurfaceinvestigation rpt

TABLES

TABLE 1

**DELUXE CORPORATION
FORMER CHECK PRINTING FACILITY
4707 DEY ROAD
LIVERPOOL, NEW YORK**

Summary of Ground-Water Elevations in Monitor Wells
(Measured April 5, 2001)

Well ID	Top of Casing Elevation (ft) ^{1/}	Depth to Water (ft btoc) ^{2/}	Total Depth (ft)	Ground-Water Elevation (ft)
1A	98.78	12.38	20	86.40
1B	98.87	33.39	40	65.48
1C	99.20	37.55	60	61.65
2A	98.73	9.49	20	89.24
2B	98.92	35.48	40	63.44
2C	98.83	37.24	60	61.59
3A	98.31	8.79	20	89.52
3B	98.36	34.30	40	64.06
3C	98.19	36.24	60	61.95
4A	96.90	8.91	20	87.99
4B	96.76	32.85	40	63.91
4C	96.50	34.73	60	61.77

^{1/} Elevations referenced to arbitrary datum

^{2/} Feet below top of casing

dmd

September 6, 2001

reports\deluxe\subsurfaceinvestigation.tbl

TABLE 2
DELUXE CORPORATION
FORMER CHECK PRINTING FACILITY
4707 DEY ROAD
LIVERPOOL, NEW YORK

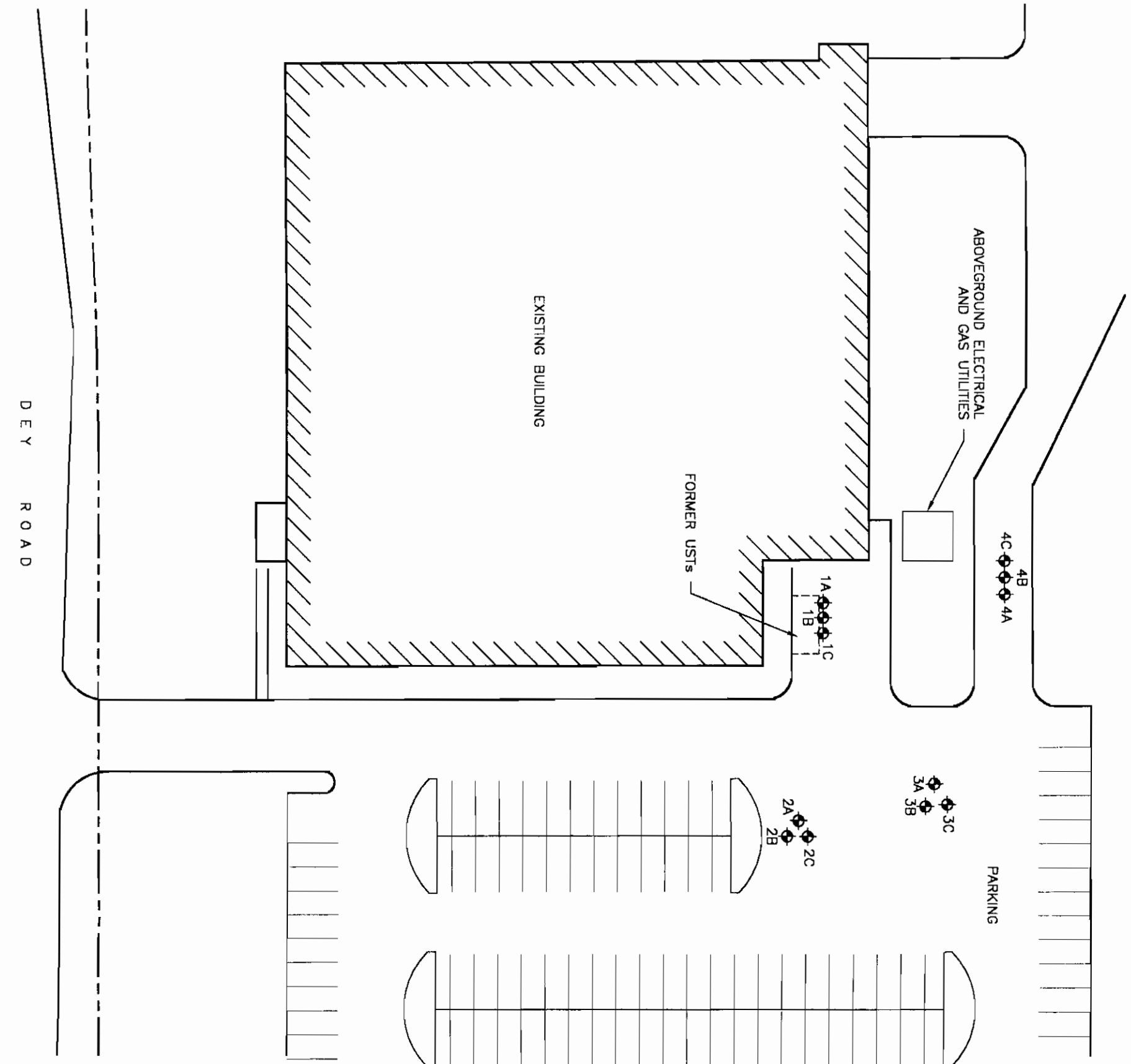
Ground-Water Quality, April 4-5, 2001
(all concentrations in micrograms per liter)

Well ID	1,1,1-Trichloro-ethane	1,1-Dichloro-ethane	1,1-Dichloro-ethylene	1,2-Dichloro-ethylene (total)	1,2,4-Trimethyl-benzene	1,3,5-Trimethyl-benzene	Ethyl-benzene	Isopropyl-benzene	Xylenes	sec-Butyl-benzene	tert-Butyl-benzene	Tetrachloro-ethylene	Trichloro-ethylene	Vinyl chloride
1A	2	2	6	75(c-) 2(t-)	45	14	2	2	3	2	3	730	300	23
1B	27	1	7	70(c-) 2(t-)	34	11	2	1	1	<1	<1	670	290	20
1C	5	<1	<1	3(cis-)	<1	<1	<1	<1	<1	<1	<1	44	9	<1
2A	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2B	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2C	4	2	2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
3A	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
3B	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
3C	3	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
4A	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	5	<1	<1
4B	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
4C	4	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	15	3	<1
NYSDEC GWQS	5	5	5	5	5	5	5	5	5	5	5	5	5	2

NYSDEC GWQS = New York State Department of Environmental Conservation Ground Water Quality Standards

Note: A - wells screened interval 5 to 20 feet below grade
B - wells screened interval 30 to 40 feet below grade
C - wells screened interval 50 to 60 feet below grade

FIGURES



LEGEND

— — — — — PROPERTY LINE

⊕ 1A MONITOR WELL IDENTIFICATION AND LOCATION

DELUXE CORPORATION					
FORMER CHECK PRINTING FACILITY					
4707 DEY ROAD					
LIVERPOOL, NEW YORK					
SITE PLAN					
DATE	REVISED	PREPARED BY:			
		I REGISTRE B RASHAD & GRAHAM, INC.			
		Professional Ground-Water and Environmental Engineering Services			
		110 Corporate Park Drive			
		Suite 112			
		White Plains, NY 10604			
		(914) 694-5711			
DRAWN	MRV	CHECKED	ZM	DATE	9/7/01
FIGURE:				2	

4A	87.94	70'
4B	63.91	40'
4C	61.77	60'

3A	89.52	40' in bedrock
3B	64.06	40'
3C	61.95	60'

4C	15	4A
3	5	
<1.0	<1.0	

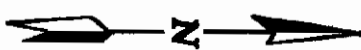
3A	<1.0
3B	<1.0
3C	<1.0

2A	<1.0
2B	<1.0
2C	<1.0

1A	86.40	70'
1B	65.48	40'
1C	61.65	60'

1A	670
20	290
730	500
23	1
44	9
<1.0	

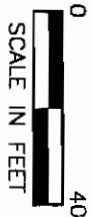
2A	84.24	70'
2B	63.44	40'
2C	61.59	60'



ABOVEGROUND ELECTRICAL
AND GAS UTILITIES

EXISTING BUILDING

DEY ROAD



LEGEND

PROPERTY LINE

1A MONITOR WELL IDENTIFICATION AND LOCATION

730 TETRACHLOROETHYLENE CONCENTRATION (ug/l)

300 TRICHLOROETHYLENE CONCENTRATION (ug/l)

23 VINYL CHLORIDE CONCENTRATION (ug/l)

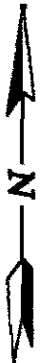
DELUXE CORPORATION
FORMER CHECK PRINTING FACILITY
4707 DEY ROAD
LIVERPOOL, NEW YORK
GROUND-WATER QUALITY
APRIL 4 AND 5, 2001

DATE	REVISED	PREPARED BY:
		LEGGETTE, BRASHEARS & GRAHAM, INC.
		110 Corporate Park Drive
		Suite 112
		White Plains, NY 10604
		(914) 694-5711

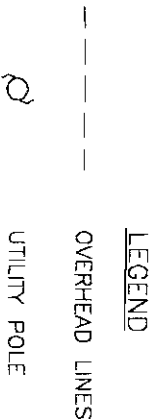
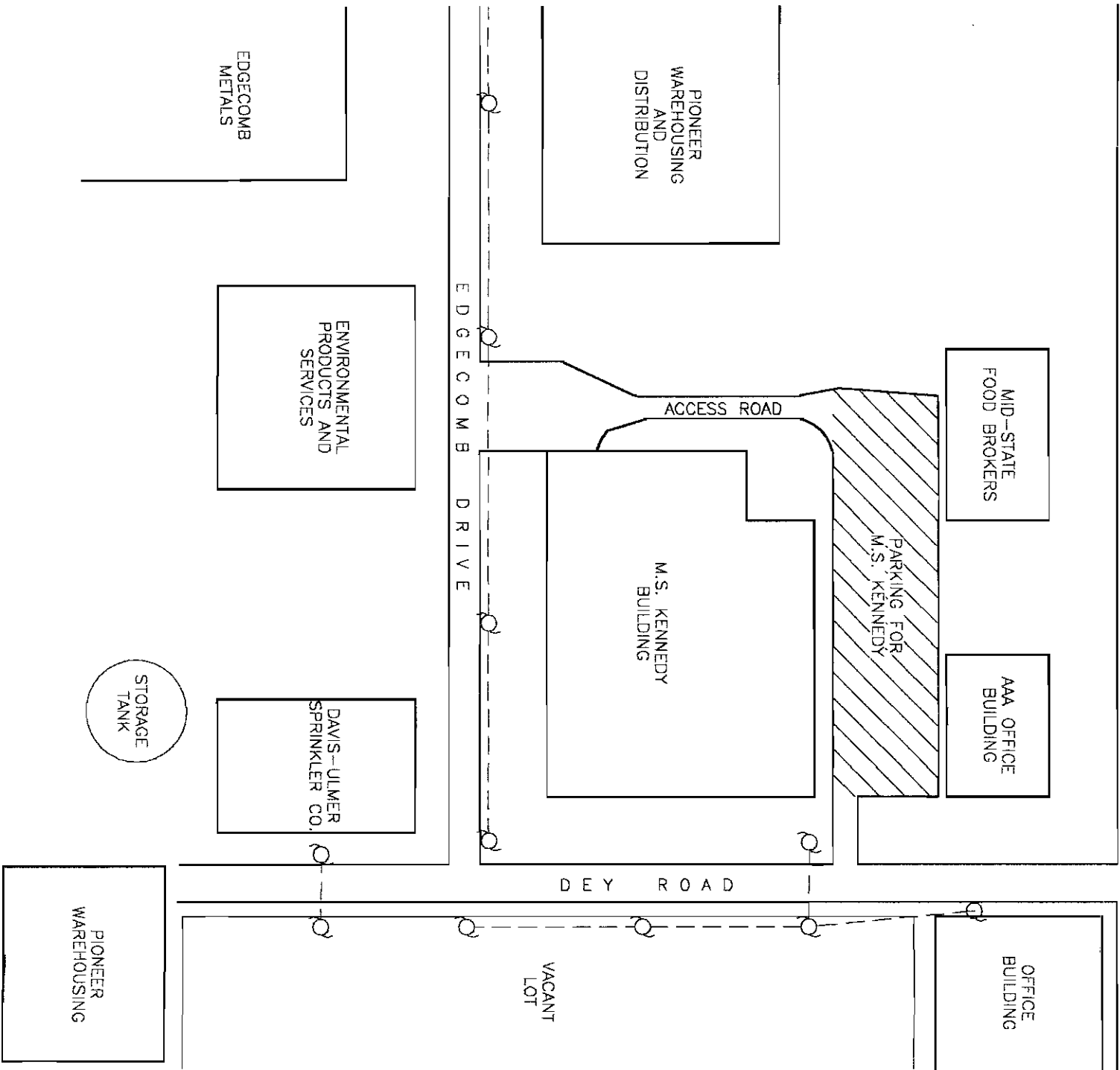


Environmental Utility, Phase and Environmental Engineering Services

DRAWN	DATE	CHECKED	DATE	FIGURE
MMV	9/7/01	ZM	9/7/01	3



H E N R Y - - C L A Y B O U L E V A R D



DELUXE CORPORATION
FORMER CHECK PRINTING FACILITY
4707 DEY ROAD
LIVERPOOL, NEW YORK

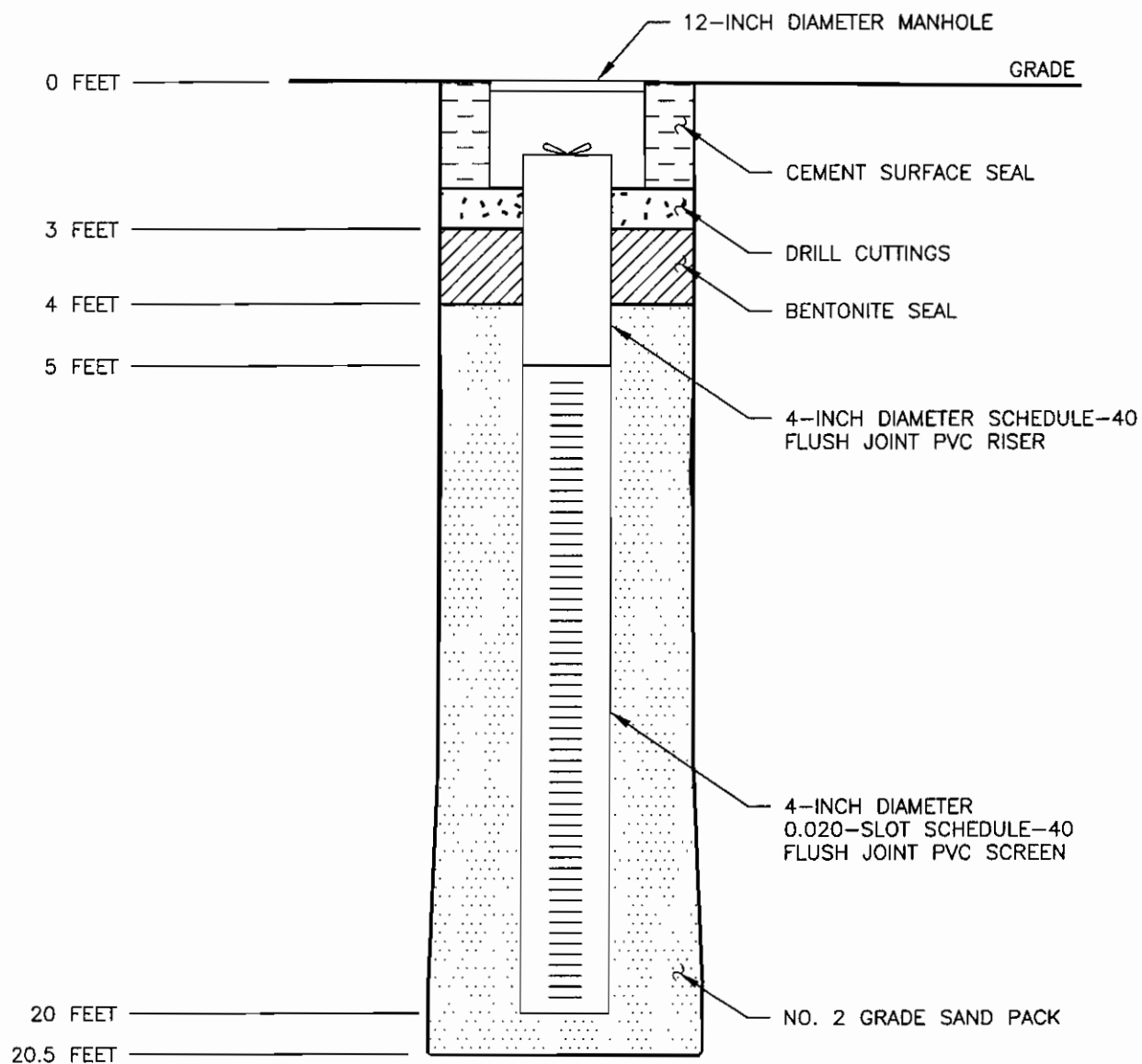
SURROUNDING PROPERTIES MAP

DATE	REVISED	PREPARED BY:
		L. B. LITTLE, BRASHEARS & URSAM, INC.
		Professional Urban-Water and Environmental Engineering Services
		110 Corporate Park Drive
		Suite 112
		White Plains, NY 10604
		(914) 694-5711
DRAWN:	TLC	CHECKED: ZM
DATE:	4/30/01	FIGURE: 4

NOT TO SCALE

APPENDIX

WELL CONSTRUCTION DIAGRAMS

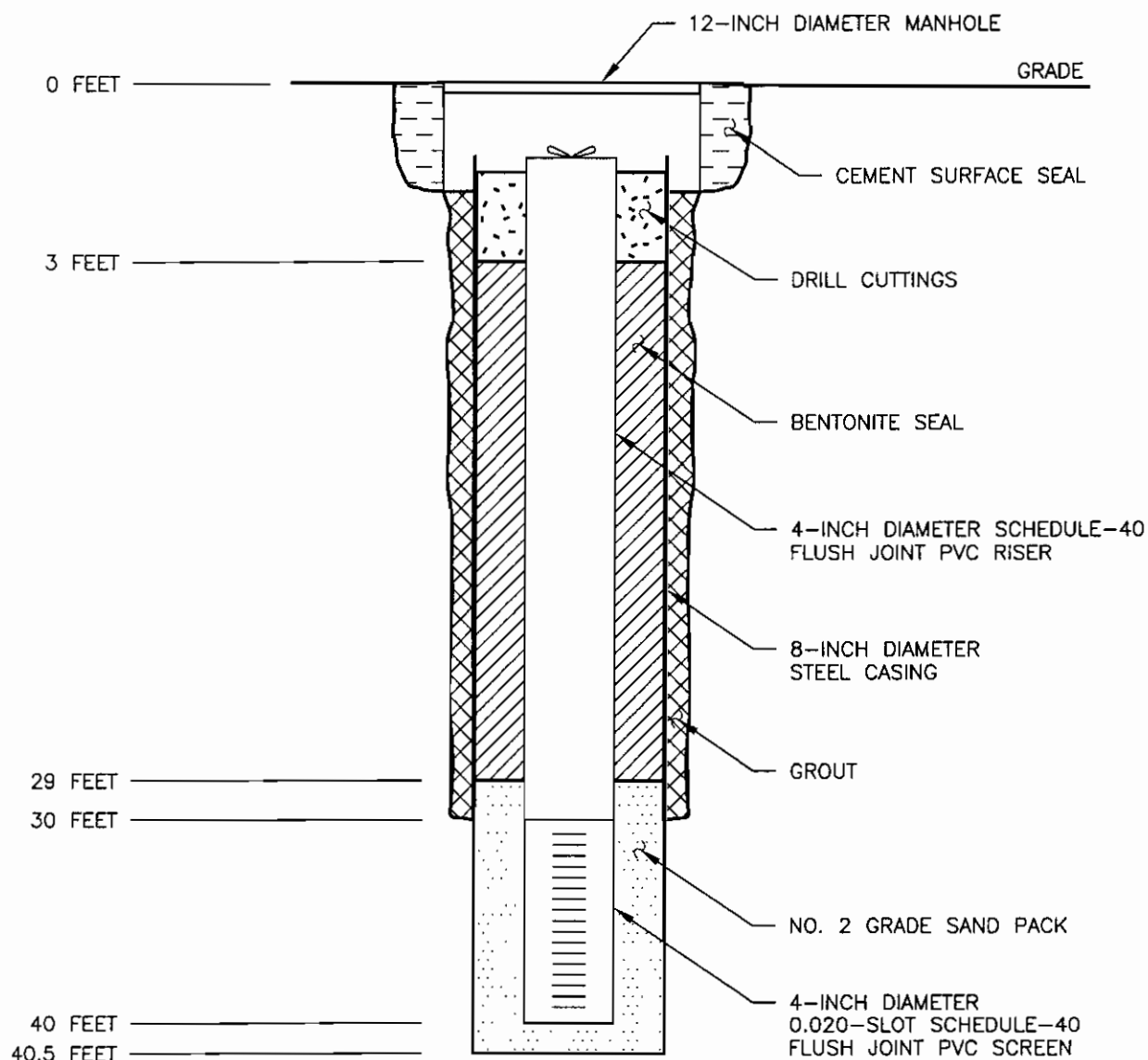


DELUXE CORPORATION
FORMER CHECK PRINTING FACILITY
4707 DEY ROAD
LIVERPOOL, NEW YORK

WELL CONSTRUCTION DIAGRAM OF MW-1A

DATE	REVISED	PREPARED BY:
		LEGGETTE, BRASHEARS & GRAHAM, INC.
		Professional Ground-Water and Environmental Engineering Services
		110 Corporate Park Drive
		Suite 112
		White Plains, NY 10604
		(914) 694-5711
DRAWN:	TLC	CHECKED: JW
		DATE: 6/7/01
		FIGURE: ---

NOT TO SCALE

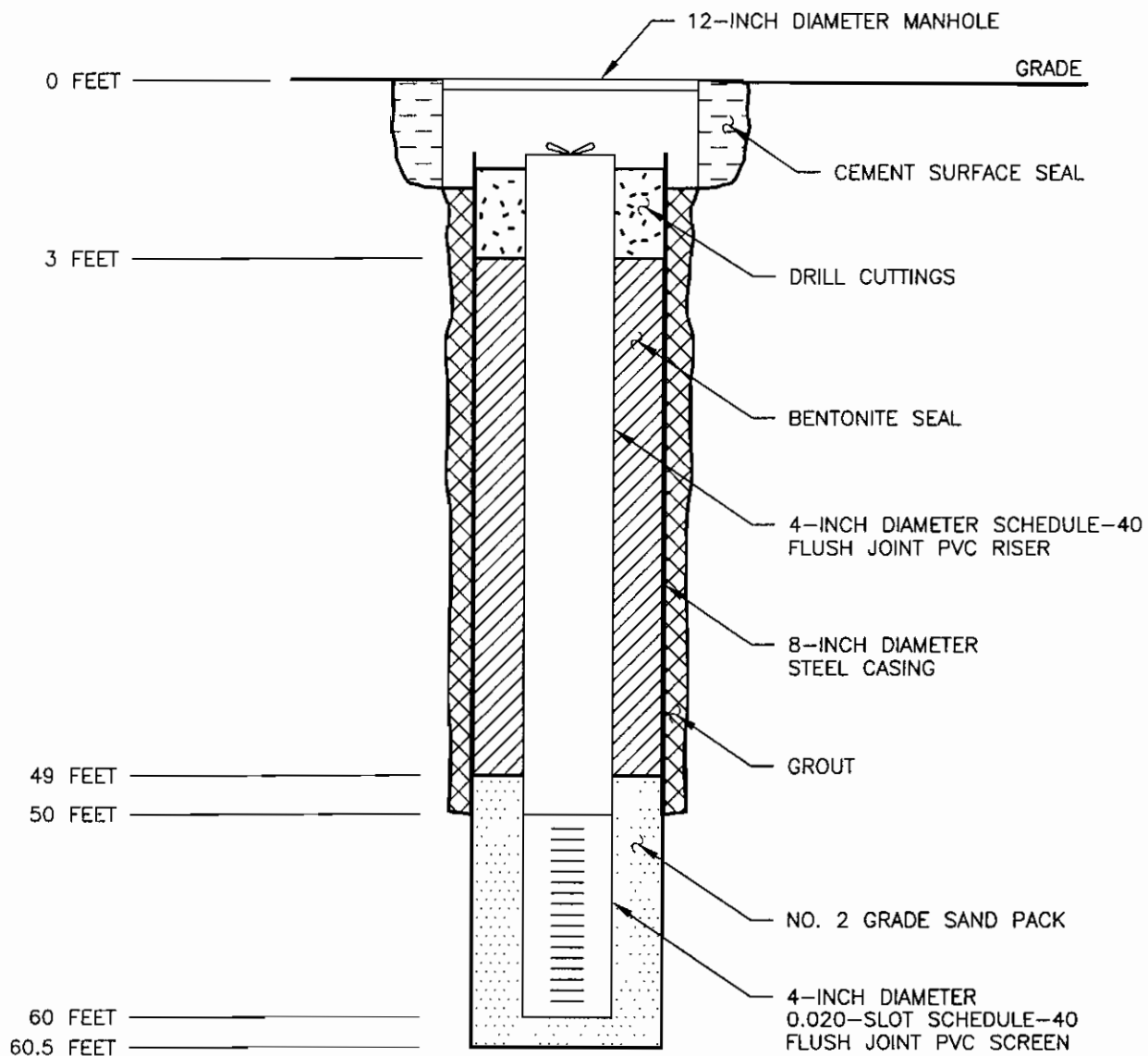


DELUXE CORPORATION
FORMER CHECK PRINTING FACILITY
4707 DEY ROAD
LIVERPOOL, NEW YORK

WELL CONSTRUCTION DIAGRAM OF MW-1B

DATE	REVISED	PREPARED BY:
		LEGGETTE, BRASHEARS & GRAHAM, INC.
		Professional Ground-Water and Environmental Engineering Services
		110 Corporate Park Drive
		Suite 112
		White Plains, NY 10604
		(914) 694-5711
DRAWN:	TLC	CHECKED: JW
		DATE: 6/8/01
		FIGURE: ---

NOT TO SCALE

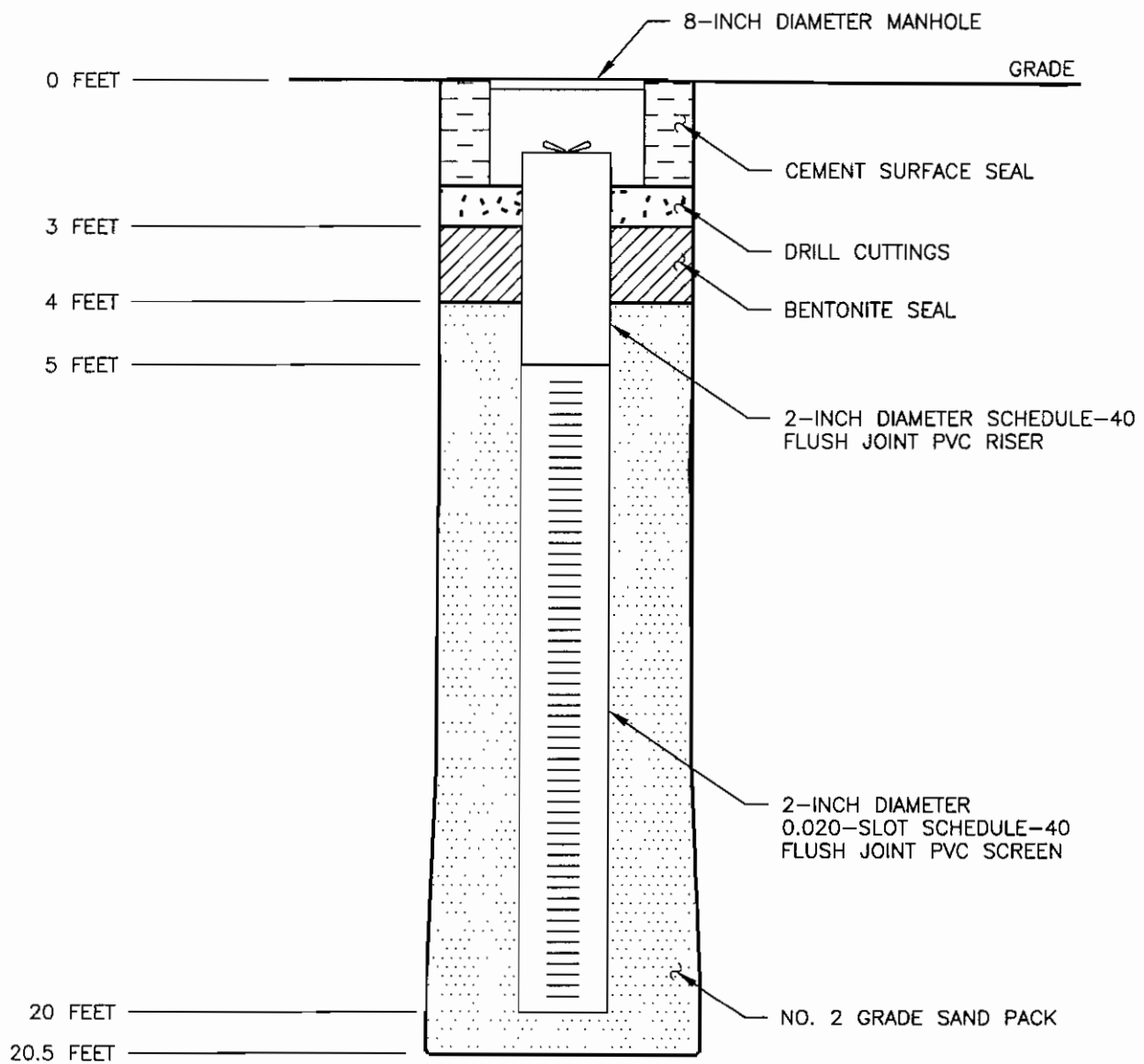


DELUXE CORPORATION
FORMER CHECK PRINTING FACILITY
4707 DEY ROAD
LIVERPOOL, NEW YORK

WELL CONSTRUCTION DIAGRAM OF MW-1C

DATE	REVISED	PREPARED BY:
		LEGGETTE, BRASHEARS & GRAHAM, INC.
		Professional Ground-Water and Environmental Engineering Services
		110 Corporate Park Drive
		Suite 112
		White Plains, NY 10604
		(914) 694-5711
DRAWN:	TLC	CHECKED: JW
		DATE: 6/8/01
		FIGURE: ---

NOT TO SCALE

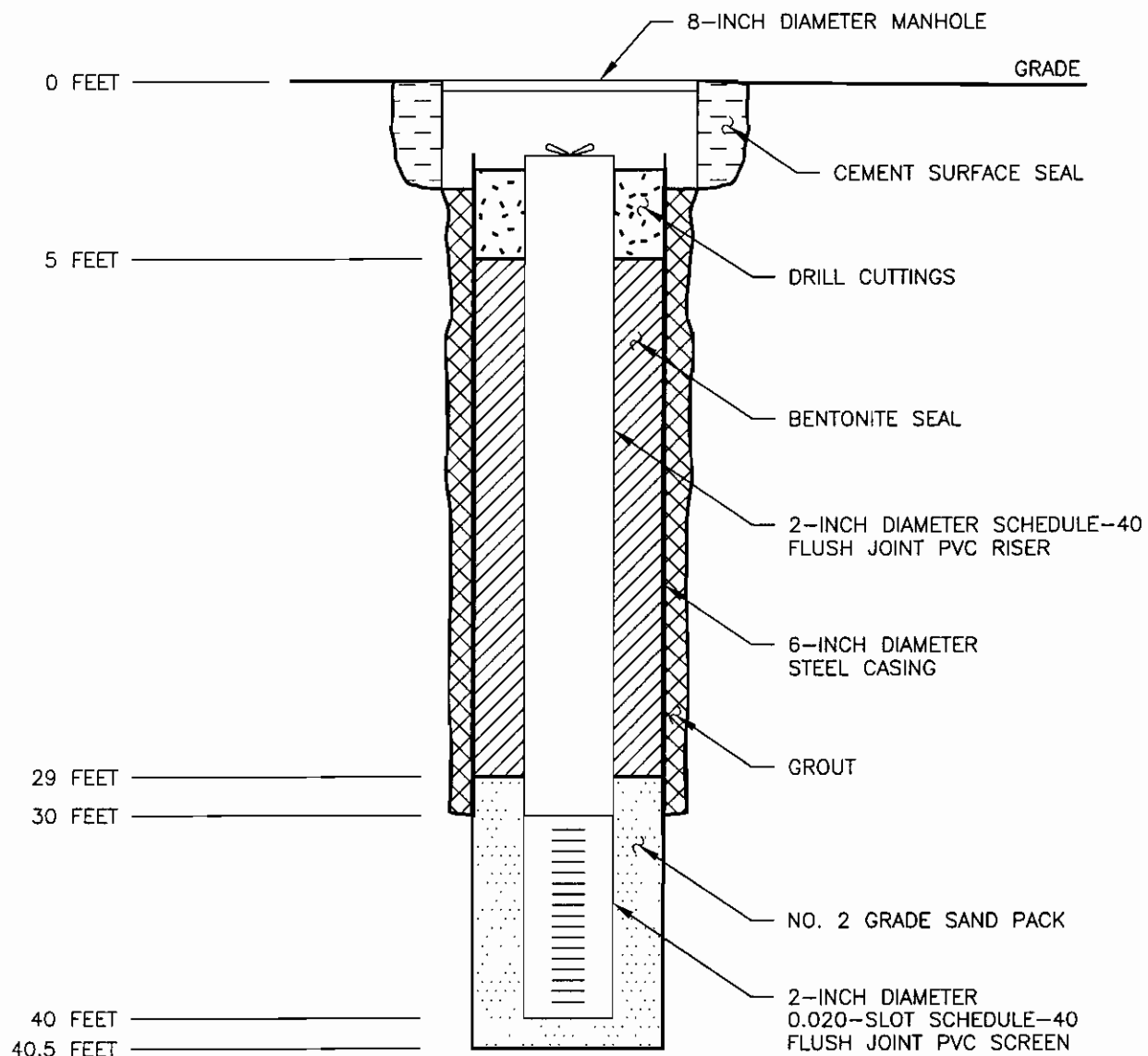


DELUXE CORPORATION
FORMER CHECK PRINTING FACILITY
4707 DEY ROAD
LIVERPOOL, NEW YORK

WELL CONSTRUCTION DIAGRAM OF MW-2A

DATE	REVISED	PREPARED BY:
		LEGGETTE, BRASHEARS & GRAHAM, INC.
		Professional Ground-Water and Environmental Engineering Services
		110 Corporate Park Drive
		Suite 112
		White Plains, NY 10604
		(914) 694-5711
DRAWN:	TLC	CHECKED: JW
		DATE: 6/7/01
		FIGURE: ---

NOT TO SCALE

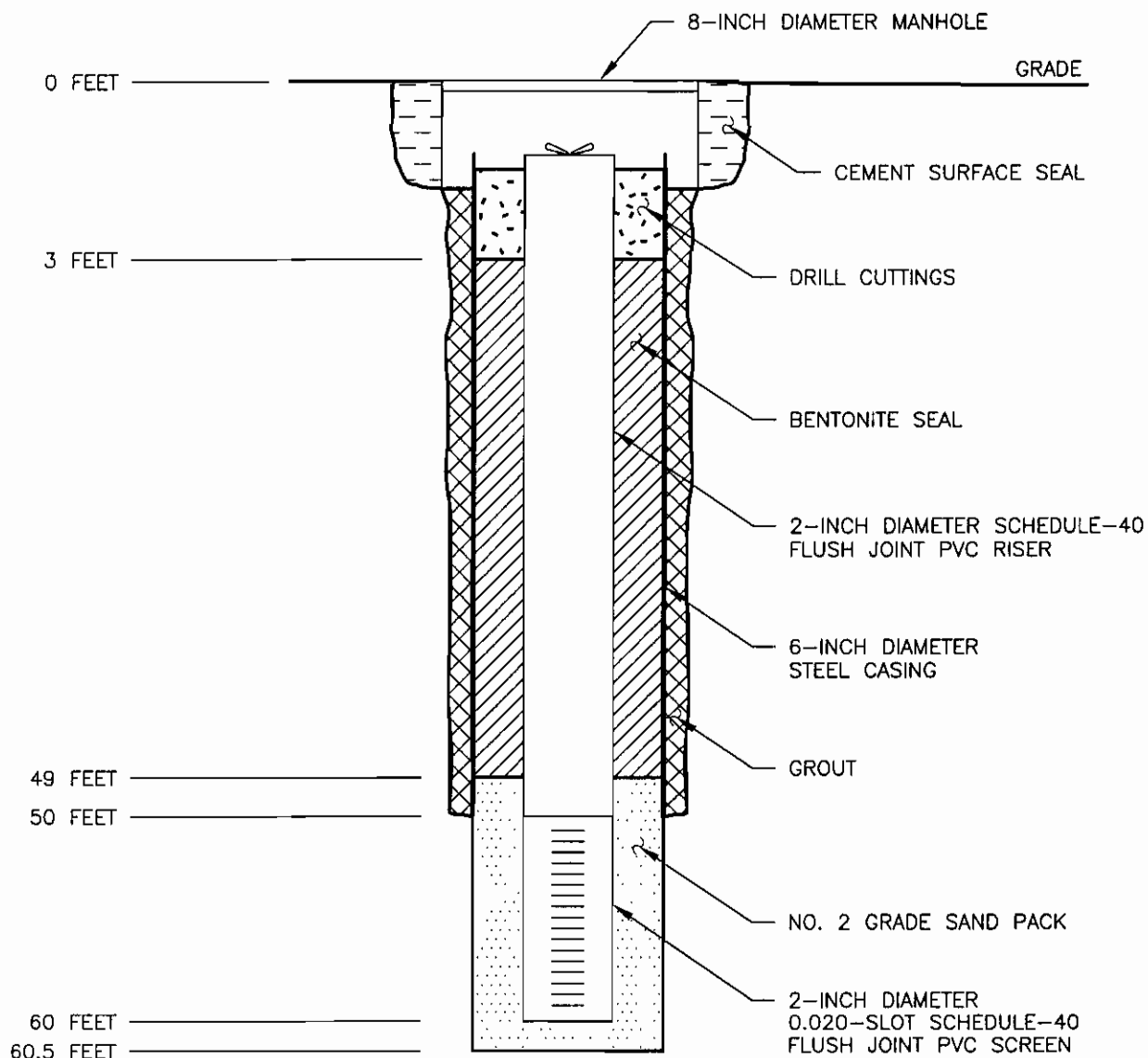


DELUXE CORPORATION
FORMER CHECK PRINTING FACILITY
4707 DEY ROAD
LIVERPOOL, NEW YORK

WELL CONSTRUCTION DIAGRAM OF MW-2B

DATE	REVISED	PREPARED BY:
		LEGGETTE, BRASHEARS & GRAHAM, INC.
		Professional Ground-Water and Environmental Engineering Services
		110 Corporate Park Drive
		Suite 112
		White Plains, NY 10604
		(914) 694-5711
DRAWN:	TLC	CHECKED: JW
		DATE: 8/8/01
		FIGURE: ---

NOT TO SCALE

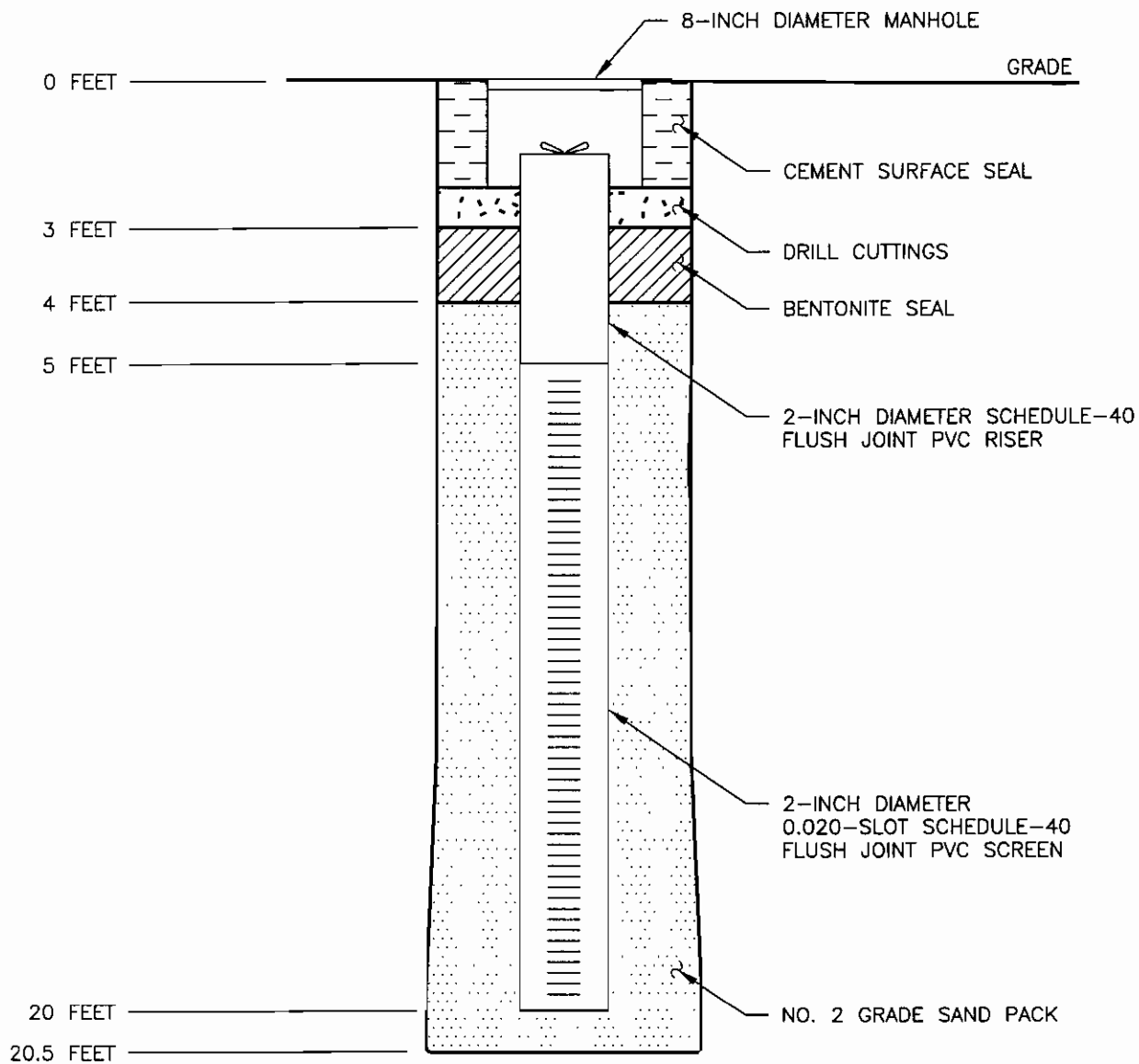


DELUXE CORPORATION
FORMER CHECK PRINTING FACILITY
4707 DEY ROAD
LIVERPOOL, NEW YORK

WELL CONSTRUCTION DIAGRAM OF MW-2C

DATE	REVISED	PREPARED BY:
		LEGGETTE, BRASHEARS & GRAHAM, INC.
		Professional Ground-Water and Environmental Engineering Services
		110 Corporate Park Drive
		Suite 112
		White Plains, NY 10604
		(914) 694-5711
DRAWN:	TLC	CHECKED: JW
		DATE: 6/8/01
		FIGURE: ---

NOT TO SCALE



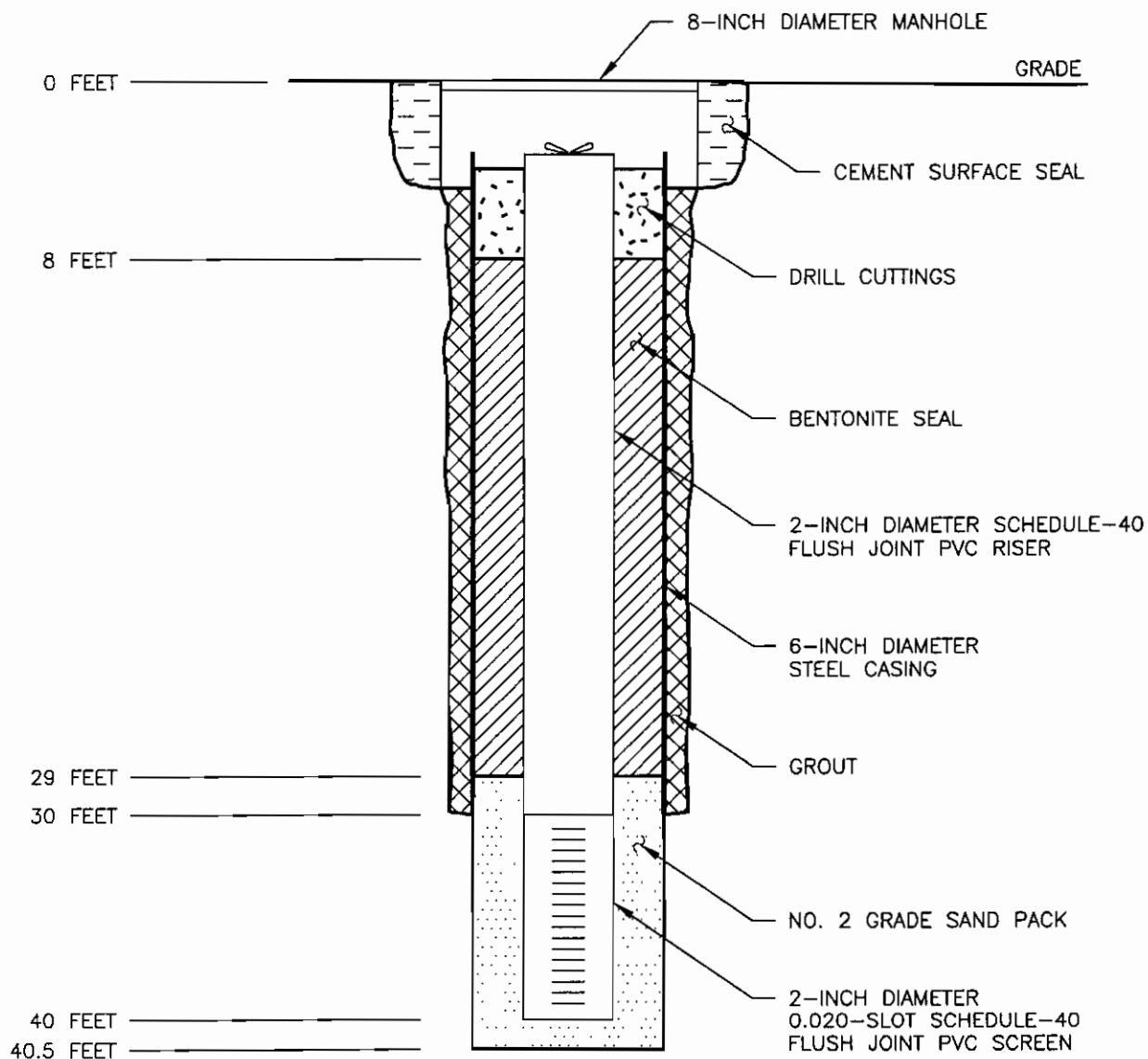
DELUXE CORPORATION
FORMER CHECK PRINTING FACILITY
4707 DEY ROAD
LIVERPOOL, NEW YORK

WELL CONSTRUCTION DIAGRAM OF MW-3A

DATE	REVISED	PREPARED BY:
		LEGGETTE, BRASHEARS & GRAHAM, INC.
		Professional Ground-Water and Environmental Engineering Services
		110 Corporate Park Drive
		Suite 112
		White Plains, NY 10604
		(914) 694-5711
DRAWN:	TLC	CHECKED: JW
		DATE: 8/7/01
		FIGURE: ---



NOT TO SCALE

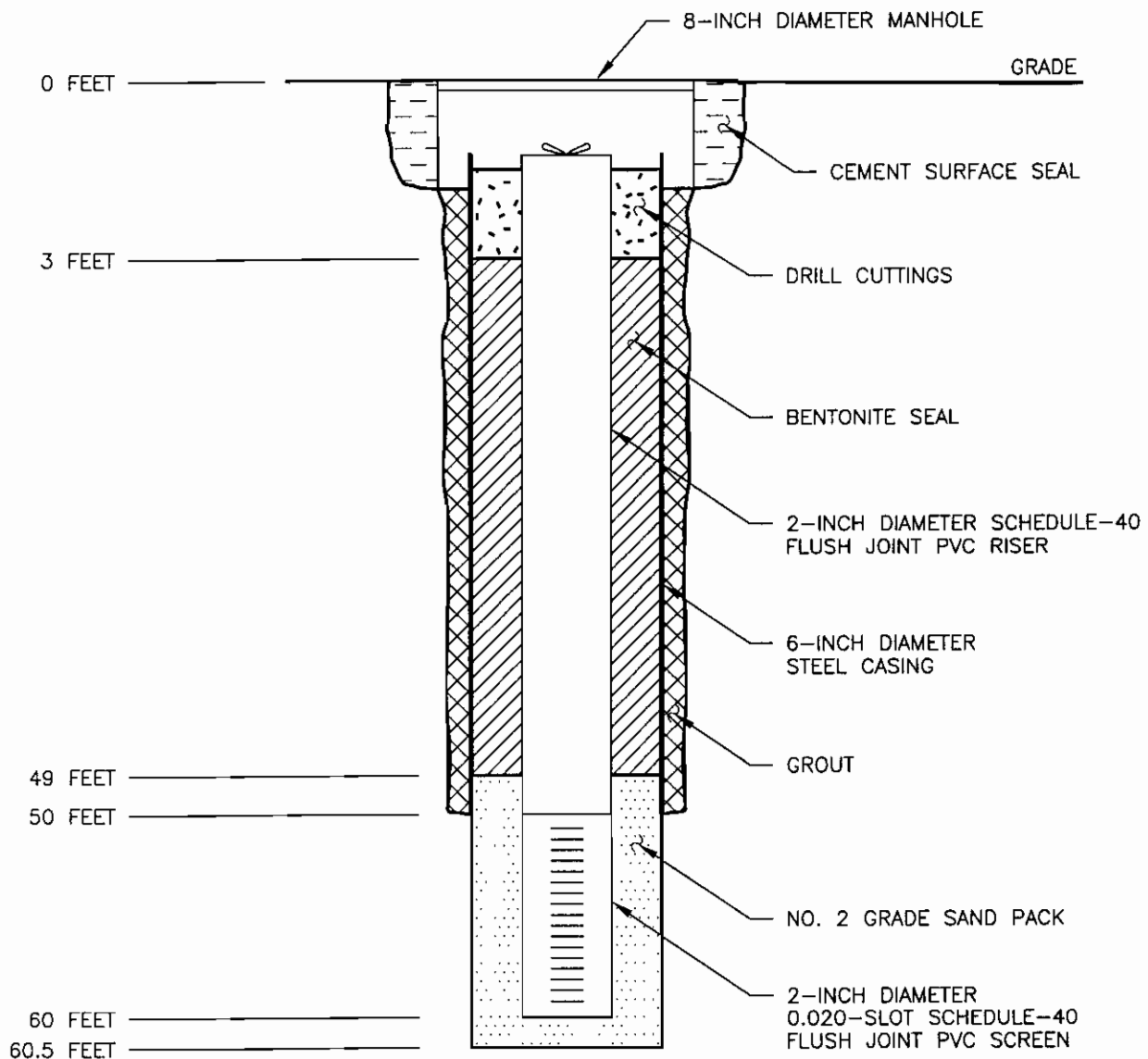


DELUXE CORPORATION
FORMER CHECK PRINTING FACILITY
4707 DEY ROAD
LIVERPOOL, NEW YORK

WELL CONSTRUCTION DIAGRAM OF MW-3B

DATE	REVISED	PREPARED BY:
		LEGGETTE, BRASHEARS & GRAHAM, INC.
		Professional Ground-Water and Environmental Engineering Services
		110 Corporate Park Drive
		Suite 112
		White Plains, NY 10604
		(914) 694-5711
DRAWN:	TLC	CHECKED: JW
		DATE: 8/8/01
		FIGURE: ---

NOT TO SCALE

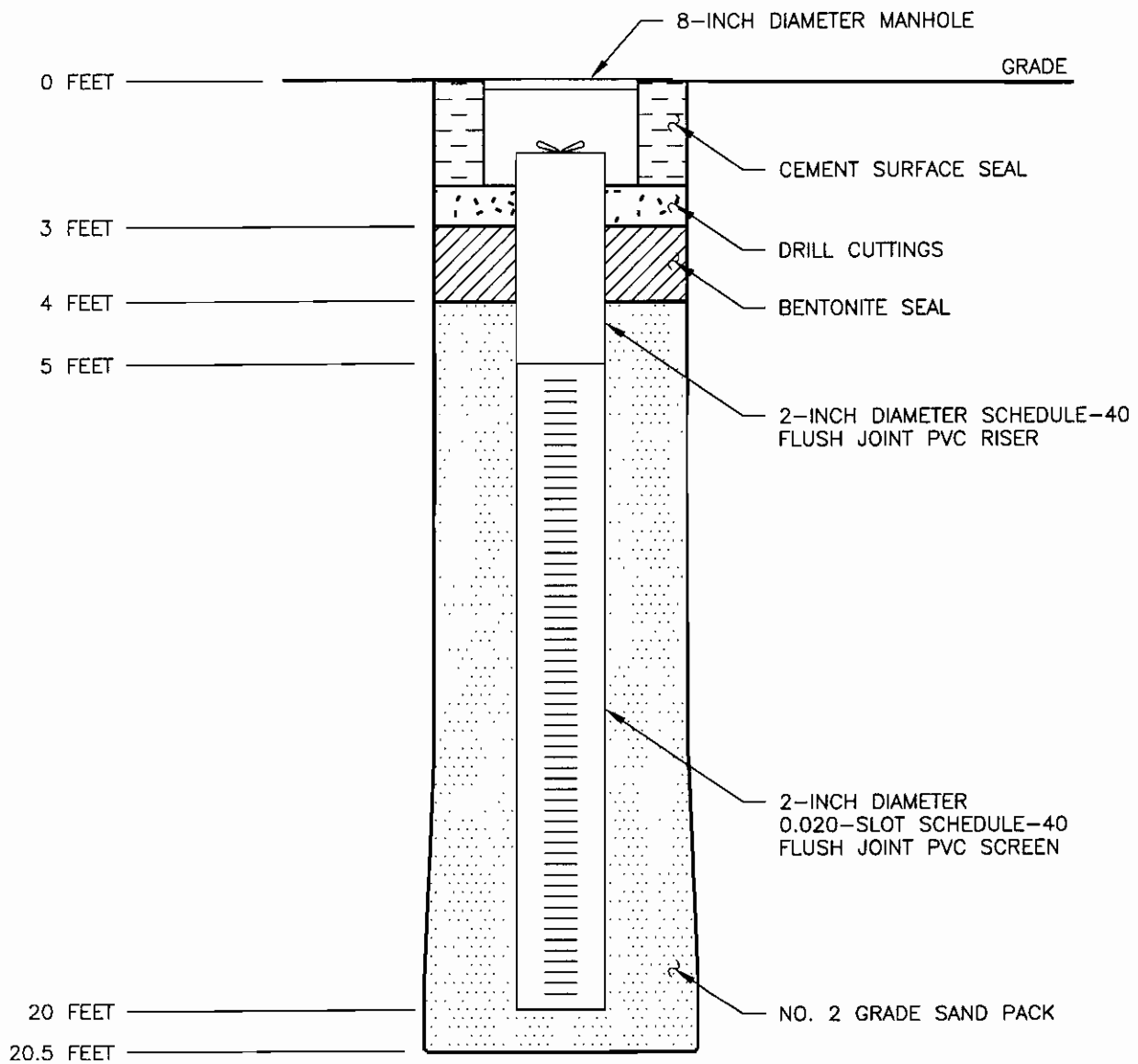


DELUXE CORPORATION
FORMER CHECK PRINTING FACILITY
4707 DEY ROAD
LIVERPOOL, NEW YORK

WELL CONSTRUCTION DIAGRAM OF MW-3C

DATE	REVISED	PREPARED BY:
		LEGGETTE, BRASHEARS & GRAHAM, INC.
		Professional Ground-Water and Environmental Engineering Services
		110 Corporate Park Drive
		Suite 112
		White Plains, NY 10604
		(914) 694-5711
DRAWN:	TLC	CHECKED: JW
DATE:	8/8/01	FIGURE: ---

NOT TO SCALE

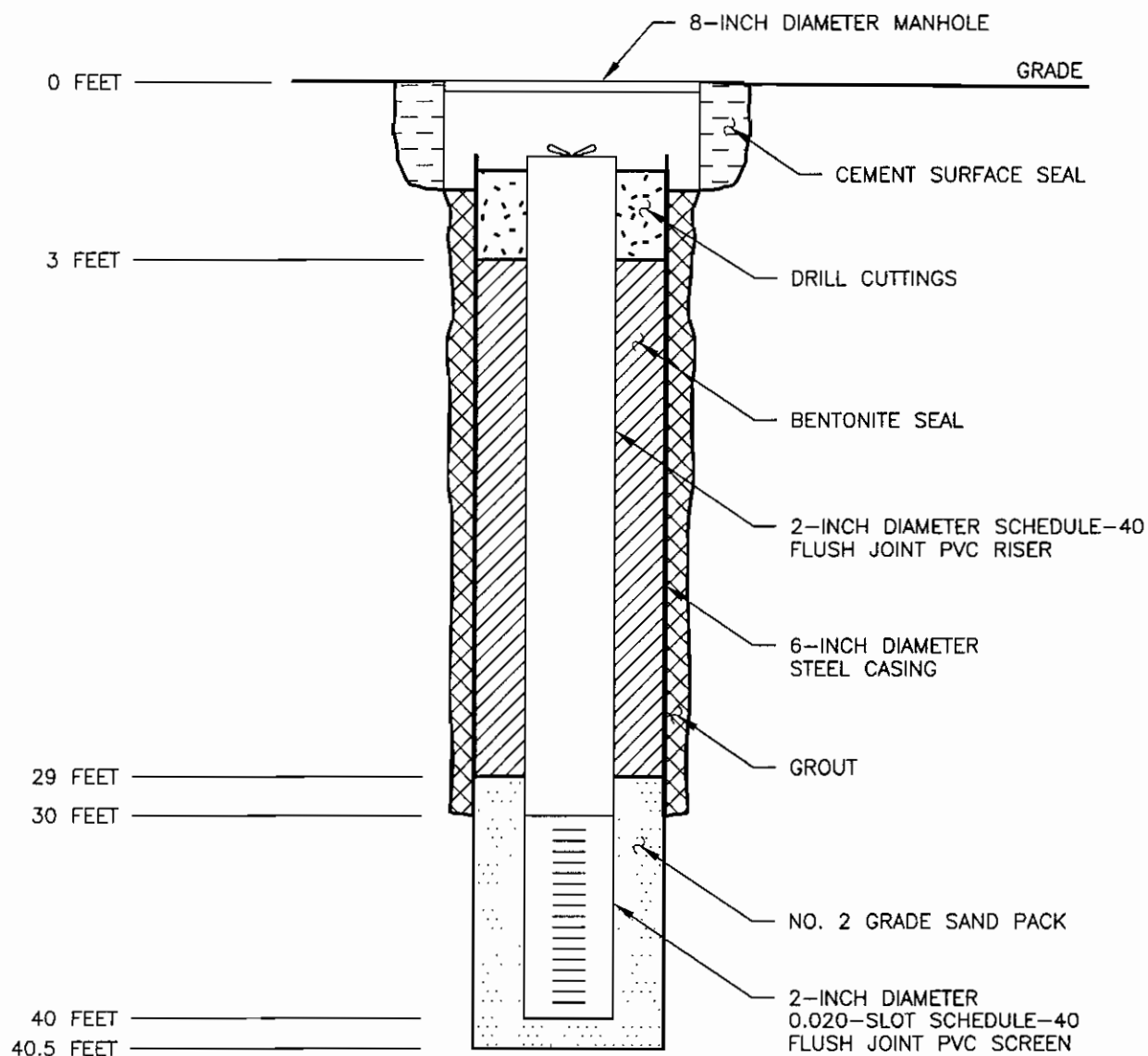


DELUXE CORPORATION
FORMER CHECK PRINTING FACILITY
4707 DEY ROAD
LIVERPOOL, NEW YORK

WELL CONSTRUCTION DIAGRAM OF MW-4A

DATE	REVISED	PREPARED BY:
		LEGGETTE, BRASHEARS & GRAHAM, INC.
		Professional Ground-Water and Environmental Engineering Services
		110 Corporate Park Drive
		Suite 112
		White Plains, NY 10604
		(914) 694-5711
DRAWN:	TLC	CHECKED: JW
		DATE: 6/7/01
		FIGURE: ---

NOT TO SCALE

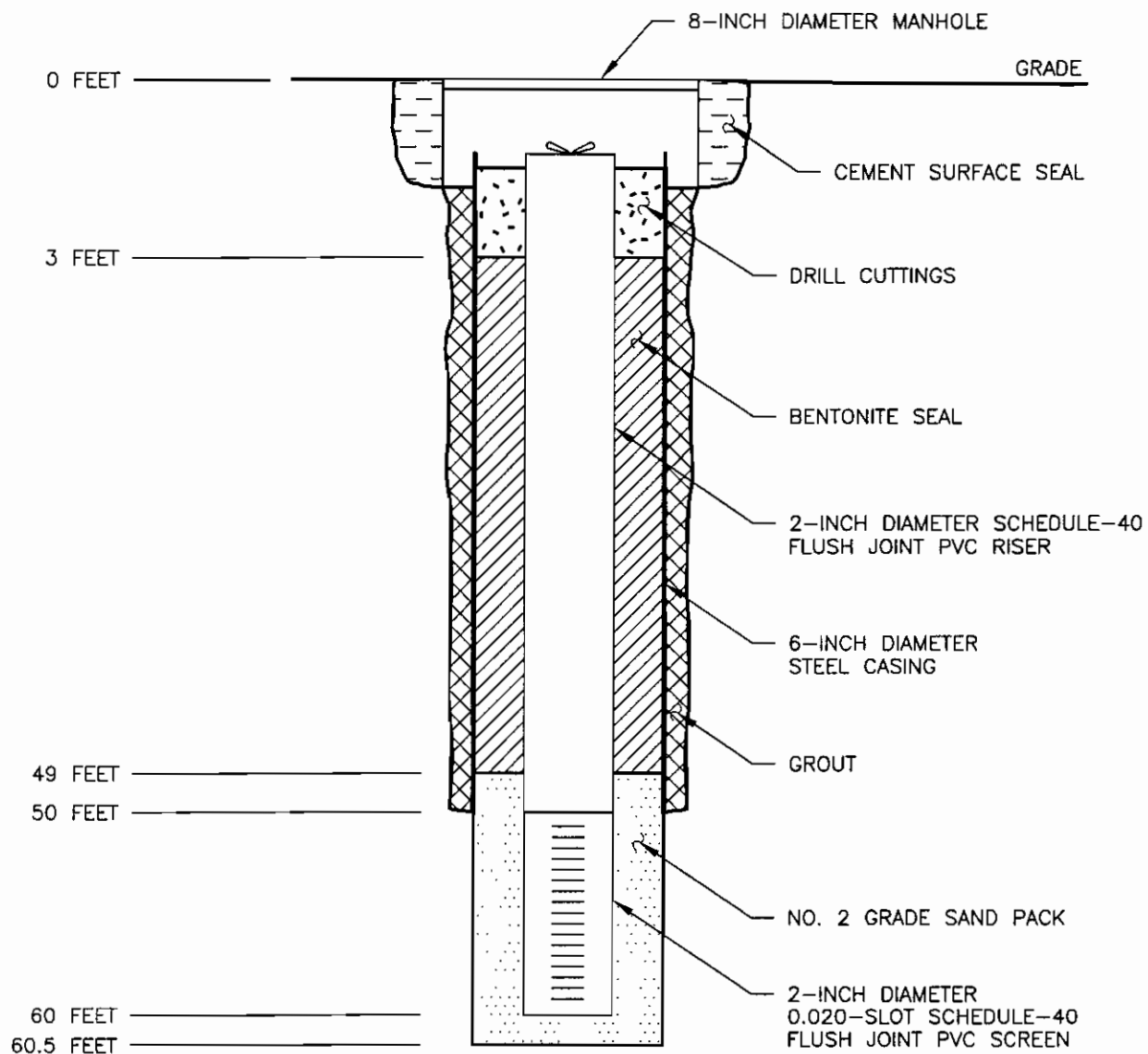


DELUXE CORPORATION
FORMER CHECK PRINTING FACILITY
4707 DEY ROAD
LIVERPOOL, NEW YORK

WELL CONSTRUCTION DIAGRAM OF MW-4B

DATE	REVISED	PREPARED BY:
		LEGGETTE, BRASHEARS & GRAHAM, INC.
		Professional Ground-Water and Environmental Engineering Services
		110 Corporate Park Drive
		Suite 112
		White Plains, NY 10604
		(914) 694-5711
DRAWN:	TLC	CHECKED: JW
		DATE: 6/8/01
		FIGURE: ---

NOT TO SCALE



DELUXE CORPORATION
FORMER CHECK PRINTING FACILITY
4707 DEY ROAD
LIVERPOOL, NEW YORK

WELL CONSTRUCTION DIAGRAM OF MW-4C

DATE	REVISED	PREPARED BY:
		LEGGETTE, BRASHEARS & GRAHAM, INC.
		Professional Ground-Water and Environmental Engineering Services
		110 Corporate Park Drive
		Suite 112
		White Plains, NY 10604
		(914) 694-5711
DRAWN:	TLC	CHECKED: JW
		DATE: 6/8/01
		FIGURE: ---

NOT TO SCALE

AIR MONITORING DATA

General Information

Name(s): Zach Miller
Background Level: Aerosol Monitor (ug/m³) 13.0
Date: 03-30-01
PID (ppm) 0.0
Time: 0800
Project: 4707 Dey Road
Weather Conditions: 36°F/RAIN
Liverpool, New York

Equipment Calibration
PID (ppm) 104
Aerosol Monitor (ug/m³) OK

Sample No.	Time	PID Readings (ppm)			Sample No.	Time	Aerosol Monitor (ug/m³)		
		Upwind	Downwind	Workzone			Upwind	Downwind	Workzone
1	0830	0.0	0.0	0.0	1	0830	14.0	32.0	33.0
2	0900	0.0	0.0	0.0	2	0900	22.0	30.0	34.0
3	0930	0.0	0.0	0.0	3	0930	14.0	34.0	29.0
4	1000	0.0	0.0	0.0	4	1000	35.0	40.0	40.0
5	1030	0.0	0.0	0.0	5	1030	40.0	50.0	35.0
6	1100	0.0	0.0	0.0	6	1100	32.0	40.0	29.0
7	1130	0.0	0.0	0.0	7	1130	5.0	7.0	8.0
8	1200	0.0	0.0	0.0	8	1200	17.0	12.0	14.0
9					9				
10					10				
11					11				
12					12				
13					13				
14					14				
15					15				
16					16				
17					17				
18									
19									
20									
21									

WIND @ 0800: SW

ENTRANCE-WAY 03/30/01 2M

READING #	TIME	(ppm) (ug/d)	
		PID	DUST
1	0830	0.0	20.9
2	0900	0.0	17.0
3	0930	0.0	30.0
4	1000	0.0	11.0
5	1030	0.0	12.9
6	1100	0.0	21.0
7	1130	0.0	4.0
8	1200	0.0	12.0
9			
10			
11			
12			
13			
14			
15			
16			

AIR MONITORING

General Information

Name(s): Zach Miller
Background Level: Aerosol Monitor (ug/m³) 32.0
Date: 04-02-01
Time: 0900
Project: 4707 Dev Road
Weather Conditions: 28°F / FLURRIES
PID (ppm) 0.0
Aerosol Monitor (ug/m³) 0.0

ENTRANCE-WAY 04-02-01 ZH

Sample No.	Time	PID Readings (ppm)			Sample No.	Time	Aerosol Monitor (ug/m³)		
		Upwind	Downwind	Workzone			Upwind	Downwind	Workzone
1	0930	0.0	0.0	0.0	1	0930	32.0	35.0	60.0
2	1000	0.0	0.0	0.0	2	1000	30.0	33.0	31.0
3	1030	0.0	0.0	0.0	3	1030	35.0	34.0	32.0
4	1100	0.0	0.0	0.0	4	1100	29.0	30.0	29.0
5	1130	0.0	0.0	0.0	5	1130	25.0	32.0	35.0
6	1200	0.0	0.0	0.0	6	1200	29.0	26.0	28.0
7	1230	0.0	0.0	0.0	7	1230	35.0	32.0	33.0
8	1300	0.0	0.0	0.0	8	1300	18.0	16.0	16.0
9	1330	0.0	0.0	0.0	9	1330	12.0	18.0	15.0
10	1400	0.0	0.0	0.0	10	1400	14.0	18.0	16.0
11	1430	0.0	0.0	0.0	11	1430	20.0	19.0	20.0
12	1500	0.0	0.0	0.0	12	1500	14.0	30.0	14.0
13	1530	0.0	0.0	0.0	13	1530	20.0	23.0	22.0
14	1600	0.0	0.0	0.0	14	1600	30.0	25.0	22.0
15					15		21.0	30.0	40.0
16					16				ZH
17					17				
18									
19									
20									
21									

WIND @ 0900: NW @ 10-20 mph.

Time	Sample #	Aerosol (ug/L)		PID	NOTES
		Pre	Post		
0930	1	32.0	0.0	0.0	-
1000	2	30.0	0.0	0.0	-
1030	3	29.0	0.0	0.0	-
1100	4	25.0	9.0	0.0	
1130	5	30.0	0.0	0.0	
1200	6	31.0	0.0	0.0	
1230	7	18.0	0.0	0.0	
1300	8	15.0	0.0	0.0	
1330	9	15.0	0.0	0.0	
1400	10	20.0	0.0	0.0	
1430	11	18.0	0.0	0.0	
1500	12	31.0	9.0	0.0	
1530	13	18.0	0.0	0.0	
1600	14	21.0	0.0	0.0	
	15				
	16				

AIR MONITORING

General Information

Name(s): Joseph M. Kelly
Paul G. Bockell
Date: 04-23-01
Time: 0735
Project: 4707 Dey Road
Liverpool, New York
Background Level: Aerosol Monitor (ug/m³) 50.0
PID (ppm) 0.0
Weather Conditions: 32°F / CLOUDY
1100 40°F / CLEAR

Sample No.	Time	PID Readings (ppm)		Sample No.	Time	Aerosol Monitor (ug/m ³)		
		Upwind	Downwind			Workzone	Upwind	Downwind
1	0945	0.0	0.0	1	0945	0.0	55.0	52.0
2	1000	0.0	0.0	2	1000	0.0	52.0	57.0
3	1015	0.0	0.0	3	1015	1.5	50.0	52.0
4	1030	0.0	0.0	4	1030	0.0	53.0	55.0
5	1045	0.0	0.0	5	1045	0.0	54.0	75.0
6	1100	0.0	0.0	6	1100	0.1	53.0	65.0
7	1115	0.0	0.0	7	1115	0.0	50.0	53.0
8	1130	0.0	0.0	8	1130	0.0	58.0	50.0
9	1200	0.0	0.0	9	1200	0.0	35.0	35.0
10	1230	0.0	0.0	10	1230	0.0	20.0	45.0
11	1300	0.0	0.0	11	1300	0.0	45.0	62.0
12	1330	0.0	0.0	12	1330	0.0	20.0	21.0
13	1345	0.0	0.0	13	1345	0.0	21.0	30.0
14	1400	0.0	0.0	14	1400	0.0	19.0	50.0
15	1415	NR	NR	15	1415	NR	20.0	41.0
16	1430	0.0	0.0	16	1430	0.0	10.0	50.0
17	1445	0.0	0.0	17	1445	0.0	30.0	35.0
18	1500	0.0	0.0	18	1500	0.0	20.0	38.0
19	1530	0.0	0.0	19	1530	0.0	10.0	22.0
20	1600	0.0	0.0	20	1600	0.0	12.0	15.0
21	1630	0.0	0.0	21	1630	0.0	20.0	25.0

WIND: NNW @ ~5-10 MPH NO READINGS = NR

ENTRANCE-CLAY

04/03/01

Sample #	TIME	PID (ppm)	NOTES
1	0945	0.0	52.0
2	1000	0.0	80.0
3	1015	0.0	47.0
4	1030	0.0	52.0
5	1045	0.0	90.0
6	1100	0.0	65.0
7	1115	0.0	68.0
8	1130	0.0	35.0
9	1200	0.0	50.0
10	1230	0.0	45.0
11	1300	0.0	50.0
12	1330	0.0	35.0
13	1345	0.0	40.0
14	1400	0.0	45.0
15	1415	NR	50.0
16	1430	0.0	80.0
17	1445	0.0	75.0
18	1500	0.0	50.0
19	1530	0.0	24.0
20	1600	0.0	20.0
21	1630	0.0	31.0
22	1700		

21

AIR MONITORING

General Information

Name(s): Zach Miller
Paul Waddell
Date: 04-04-01
Time: 0845
Project: 4707 Dev Road
Liverpool, New York
Background Level: Aerosol Monitor (ug/m³) 62.9
PID (ppm) —
Weather Conditions: 35°F CLEAR
WIND:

Equipment Calibration

PID (ppm) 95.0 Aerosol Monitor (ug/m³) OK

NR = NO READING

Sample No.	Time	PID Readings (ppm)			Sample No.	Time	Aerosol Monitor (ug/m ³)	
		Upwind	Downwind	Workzone			Upwind	Downwind
1		NR	NR	NR	1	0930	62.0	62.0
2					2	1100	58.9	52.0
3					3	1030	58.0	60.0
4					4	1100	50.0	63.0
5					5	1130	55.0	60.0
6	1145	0.0	0.0	0.0	6	1145	62.0	62.0
7	1220	0.0	0.0	0.0	7	1200	51.0	65.0
8	1215	0.0	0.0	0.0	8	1215	58.0	70.0
9	1230	0.0	0.0	0.0	9	1230	45.0	72.0
10	1245	0.0	0.0	0.0	10	1245	40.0	52.0
11	1300	0.0	0.0	0.0	11	1300	35.0	50.0
12	1315	0.0	0.0	0.0	12	1315	28.0	40.0
13	1330	0.0	0.0	0.0	13	1330	37.0	45.0
14	1500	0.0	0.0	0.0	14	1500	45.0	52.0
15	1530	0.0	0.0	0.0	15	1530	48.0	48.0
16	1600	0.0	0.0	0.0	16	1600	49.0	43.0
17	1630	0.0	0.0	0.0	17	1630	45.0	48.0
18					18			
19					19			
20					20			
21					21			

NOTE: CLEANUP TAKING PLACE TODAY SO DUST READINGS AND PID READINGS WILL NOT BE TAKEN AROUND PERIMETER. #1) THAT DUST READINGS $< 100 \mu\text{g}/\text{m}^3$ RISK WITH RES DATA

ENTRANCE WAY

4/04/01

TIME PID RUST

1145 0.0 100.0

0930 0.0 1

1000 0.0 2

1030 0.0 3

1100 0.0 4

1130 0.0 5

1145 0.0 6

1200 0.0 7

1215 0.0 8

1230 0.0 9

1245 0.0 10

1300 0.0 11

1315 0.0 12

1330 0.0 13

1400 0.0 14

1430 0.0 15

1500 0.0 16

1530 0.0 17

0.0 18

GEOLOGIC LOGS

GEOLOGIC LOG		OWNER: Deluxe Corporation	
LEGGETTE, BRASHEARS & GRAHAM, INC.		WELL NO.: MW-1A	
WHITE PLAINS, NEW YORK		PAGE: 1 OF 1 PAGES	
SITE LOCATION: 4707 Dey Road Liverpool, New York		SCREEN SIZE & TYPE: 4-inch diameter PVC Schedule 40	
		SLOT NO.: 20 SETTING: 5-20	
DATE COMPLETED: 04/04/01		SAND PACK SIZE & TYPE: #2 Quartz	
DRILLING COMPANY: Aquifer Drilling & Test- ing, Albany, New York		SETTING: 4-20	
DRILLING METHOD: 12-inch hollow-stem auger to 13 feet/10-inch button		CASING SIZE & TYPE: 4-inch diameter PVC riser: 0-5	
SAMPLING METHOD: Cuttings		SEAL TYPE: Bentonite chips	
OBSERVER: Paul Woodell		SETTING: 3-4	
REFERENCE POINT (RP): Grade		BACKFILL TYPE: Cuttings	
ELEVATION OF TOC: 98.78		STATIC WATER LEVEL: 12.38 (4/5/01)	
STICK-UP:		DEVELOPMENT METHOD:	
SURFACE COMPLETION: 12-inch manhole in 2 x 2 foot concrete pad		DURATION: YIELD:	
REMARKS:			
ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelly tube			
REC = recovery PPM = parts per million			

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	PID ¹ / READING	DESCRIPTION
FROM	TO					
0	0.5	C				Asphalt, gravel fill.
0	5	C				Fill; composed of gravel and asphalt.
5	13					SILT; some clay.
13	20	C				Shale bedrock, green.

¹/ Units are ppm calibration gas equivalent

amd

June 12, 2001

reports\deluxe\mw1throughmw4 log

GEOLOGIC LOG		OWNER: Deluxe Corporation	
LEGGETTE, BRASHEARS & GRAHAM, INC.		WELL NO.: MW-1B	
WHITE PLAINS, NEW YORK		PAGE: 1 OF 1 PAGES	
SITE LOCATION: 4707 Dey Road Liverpool, New York		SCREEN SIZE & TYPE: 4-inch diameter PVC Schedule 40	
		SLOT NO.: 20 SETTING: 30-40	
DATE BEGUN: 04/03/01		SAND PACK SIZE & TYPE: #2 Quartz	
DATE COMPLETED: 04/04/01		SETTING: 29-40	
DRILLING COMPANY: Aquifer Drilling & Test- ing, Albany, New York		CASING SIZE & TYPE: 8-inch diameter steel: 0-30	
DRILLING METHOD: 12-inch hollow-stem auger to 13.5 feet/10-inch button		4-inch diameter PVC riser: 0-30	
SAMPLING METHOD: Cuttings		SEAL TYPE: Bentonite chips (between steel and PVC)	
OBSERVER: Paul Woodell		SETTING: 3-29	
REFERENCE POINT (RP): Grade		BACKFILL TYPE: Cuttings	
ELEVATION OF TOC: 98.87		STATIC WATER LEVEL: 33.39 (4/5/01)	
STICK-UP:		DEVELOPMENT METHOD:	
SURFACE COMPLETION: 12-inch manhole in 2 x 2 foot concrete pad		DURATION: YIELD:	
REMARKS:			
ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelby tube			
REC = recovery PPM = parts per million			

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	PID ^{1/} READING	DESCRIPTION
FROM	TO					
0	1					Asphalt, fill.
1	8	C				Sand, silt, item 4 crushed stone.
8	12	C			38	Heavy brown/red silt at 12 feet bright green clay, odor.
13.5	40					Shale bedrock, gray-green.

^{1/} Units are ppm calibration gas equivalent

dmd
June 12, 2001
reports\deluxe\mwwiththroughmw4 log

GEOLOGIC LOG		OWNER: Deluxe Corporation	
LEGGETTE, BRASHEARS & GRAHAM, INC.		WELL NO.: MW-1C	
WHITE PLAINS, NEW YORK		PAGE: 1 OF 1 PAGES	
SITE LOCATION: 4707 Dey Road Liverpool, New York		SCREEN SIZE & TYPE: 4-inch diameter PVC Schedule 40	
		SLOT NO.: 20 SETTING: 50-60	
DATE BEGUN: 04/03/01		SAND PACK SIZE & TYPE: #2 Quartz	
DATE COMPLETED: 04/04/01		SETTING: 49-60	
DRILLING COMPANY: Aquifer Drilling & Test- ing, Albany, New York		CASING SIZE & TYPE: 8-inch diameter steel: 0-50	
DRILLING METHOD: 12-inch hollow-stem auger to 13 feet/10-inch button		4-inch diameter PVC riser: 0-50	
SAMPLING METHOD: Cuttings		SEAL TYPE: Bentonite chips (between steel and PVC)	
OBSERVER: Paul Woodell		SETTING: 3-49	
REFERENCE POINT (RP): Grade		BACKFILL TYPE: Cuttings	
ELEVATION OF TOC: 99.20		STATIC WATER LEVEL: 37.55 (4/5/01)	
STICK-UP:		DEVELOPMENT METHOD:	
SURFACE COMPLETION: 12-inch manhole in 2 x 2 foot concrete pad		DURATION: YIELD:	
REMARKS:			
ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelby tube			
REC = recovery PPM = parts per million			

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	PID ^{1/} READING	DESCRIPTION
FROM	TO					
0	1	C				Asphalt, fill.
1	11	C				SILT and clay, brown, moist at 8 feet.
11	60					SHALE BEDROCK, upper 2 feet very weathered, green-gray turning to red at 42 feet.

^{1/} Units are ppm calibration gas equivalent

GEOLOGIC LOG		OWNER: Deluxe Corporation	
LEGGETTE, BRASHEARS & GRAHAM, INC.		WELL NO.: MW-2A	
WHITE PLAINS, NEW YORK		PAGE: 1 OF 1 PAGES	
SITE LOCATION: 4707 Dey Road Liverpool, New York		SCREEN SIZE & TYPE: 4-inch diameter PVC Schedule 40	
		SLOT NO.: 20 SETTING: 5-20	
DATE BEGUN: 04/02/01		SAND PACK SIZE & TYPE: #2 Quartz	
DATE COMPLETED: 04/02/01		SETTING: 4-20	
DRILLING COMPANY: Aquifer Drilling & Test- ing, Albany, New York		CASING SIZE & TYPE: 2-inch diameter PVC riser: 0-5	
DRILLING METHOD: 6-inch tricone and air		SEAL TYPE: Bentonite chips	
SAMPLING METHOD: Cuttings		SETTING: 3-4	
OBSERVER: Paul Woodell		BACKFILL TYPE: Cuttings	
REFERENCE POINT (RP): Grade		STATIC WATER LEVEL: 9.49 (4/5/01)	
ELEVATION OF TOC: 98.73		DEVELOPMENT METHOD:	
STICK-UP:		DURATION: YIELD:	
SURFACE COMPLETION: 8-inch manhole in 2 x 2 foot concrete pad			
REMARKS:			
ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelly tube			
REC = recovery PPM = parts per million			

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	PID ^{1/} READING	DESCRIPTION
FROM	TO					
0	0.5	C				Asphalt, gravel fill.
0.5	13	C				SILT, some clay, trace gravel, brick red, slightly moist, saturated at ~10 ft bg.
13	20	C				Shale bedrock, green, some clay.

^{1/} Units are ppm calibration gas equivalent

lmd
June 12, 2001
reports\deluxe\mw1throughmw4 log

GEOLOGIC LOG		OWNER: Deluxe Corporation	
LEGGETTE, BRASHEARS & GRAHAM, INC.		WELL NO.: MW-2B	
WHITE PLAINS, NEW YORK		PAGE: 1 OF 1 PAGES	
SITE LOCATION: 4707 Dey Road Liverpool, New York		SCREEN SIZE & TYPE: 2-inch diameter PVC Schedule 40 SLOT NO.: 20 SETTING: 30-40	
DATE BEGUN: 03/28/01 DATE COMPLETED: 03/30/01		SAND PACK SIZE & TYPE: #2 Quartz SETTING: 29-40	
DRILLING COMPANY: Aquifer Drilling & Test- ing, Albany, New York		CASING SIZE & TYPE: 6-inch diameter steel: 0-30 2-inch diameter PVC riser: 0-30	
DRILLING METHOD: 8-inch hollow-stem auger to 14 feet/air to 40		SEAL TYPE: Bentonite chips (between steel and PVC) SETTING: 5-29	
SAMPLING METHOD: Cuttings		BACKFILL TYPE: Cuttings	
OBSERVER: Paul Woodell		STATIC WATER LEVEL: 35.48 (4/5/01)	
REFERENCE POINT (RP): Grade		DEVELOPMENT METHOD:	
ELEVATION OF TOC: 98.92		DURATION: YIELD:	
STICK-UP:			
SURFACE COMPLETION: 8-inch manhole in 2 x 2 foot concrete pad			
REMARKS: Much water below 30 feet in bedrock.			
ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelby tube REC = recovery PPM = parts per million			

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	PID ^{1/} READING	DESCRIPTION
FROM	TO					
0	0.5	C				Asphalt, gravel fill.
0.5	12	C				SILT, some clay, trace gravel, brick red, moist.
12	14					Augered through friable bedrock.
14	20					Shale bedrock, green.
20	40					Shale bedrock, more brown.

^{1/} Units are ppm calibration gas equivalent

GEOLOGIC LOG		OWNER: Deluxe Corporation	
LEGGETTE, BRASHEARS & GRAHAM, INC.		WELL NO.: MW-2C	
WHITE PLAINS, NEW YORK		PAGE: 1 OF 1 PAGES	
SITE LOCATION: 4707 Dey Road Liverpool, New York		SCREEN SIZE & TYPE: 2-inch diameter PVC Schedule 40 SLOT NO.: 20 SETTING: 50-60	
DATE BEGUN: 03/28/01 DATE COMPLETED: 04/02/01		SAND PACK SIZE & TYPE: #2 Quartz SETTING: 49-60	
DRILLING COMPANY: Aquifer Drilling & Test- ing, Albany, New York		CASING SIZE & TYPE: 6-inch diameter steel: (0-50) 2-inch diameter PVC riser: (0-50)	
DRILLING METHOD: 8-inch hollow-stem auger to 14 feet/air to 60		SEAL TYPE: Bentonite chips (between steel and PVC) SETTING: 3-49	
SAMPLING METHOD: Cuttings		BACKFILL TYPE: Cuttings	
OBSERVER: Paul Woodell		STATIC WATER LEVEL: 37.24 (4/5/01)	
REFERENCE POINT (RP): Grade		DEVELOPMENT METHOD:	
ELEVATION OF TOC: 98.83		DURATION: YIELD:	
STICK-UP:			
SURFACE COMPLETION: 8-inch manhole in 2 x 2 foot concrete pad			
REMARKS:			
ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelly tube REC = recovery PPM = parts per million			

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	PID ^{1/} READING	DESCRIPTION
FROM	TO					
0	0.5	C				Asphalt, gravel fill.
0.5	12	C				SILT, some clay, trace gravel, brick red, moist.
12	60	C				Shale bedrock, green changing to brown changing to brick red, much water below 30 feet.

^{1/} Units are ppm calibration gas equivalent

GEOLOGIC LOG		OWNER: Deluxe Corporation	
LEGGETTE, BRASHEARS & GRAHAM, INC.		WELL NO.: MW-3A	
WHITE PLAINS, NEW YORK		PAGE: 1 OF 1 PAGES	
SITE LOCATION: 4707 Dey Road Liverpool, New York		SCREEN SIZE & TYPE: 2-inch diameter PVC Schedule 40	
		SLOT NO.: 20 SETTING: 5-20	
DATE BEGUN: 04/02/01		SAND PACK SIZE & TYPE: #2 Quartz	
DATE COMPLETED: 04/02/01		SETTING: 4-20	
DRILLING COMPANY: Aquifer Drilling & Test- ing, Albany, New York		CASING SIZE & TYPE: 2-inch diameter PVC riser: 0-5	
DRILLING METHOD: 6-inch tricone and air		SEAL TYPE: Bentonite chips	
SAMPLING METHOD: Cuttings		SETTING: 3-4	
OBSERVER: Paul Woodell		BACKFILL TYPE: Cuttings	
REFERENCE POINT (RP): Grade		STATIC WATER LEVEL: 8.79 (4/5/01)	
ELEVATION OF TOC: 98.31		DEVELOPMENT METHOD:	
STICK-UP:		DURATION: YIELD:	
SURFACE COMPLETION: 8-inch manhole in 2 x 2 foot concrete pad			
REMARKS: Bottom of well set on bedrock			
ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelby tube			
REC = recovery PPM = parts per million			

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	PID ^{1/} READING	DESCRIPTION
FROM	TO					
0	20	C	—	—	—	SILT, some clay, brown, moist.

1/ Units are ppm calibration gas equivalent

dmd
June 12, 2001
reports\deluxe\mw1throughmw4 log

GEOLOGIC LOG LEGGETTE, BRASHEARS & GRAHAM, INC. WHITE PLAINS, NEW YORK		OWNER: Deluxe Corporation	
		WELL NO.: MW-3B	
		PAGE: 1 OF 1 PAGES	
SITE LOCATION: 4707 Dey Road Liverpool, New York		SCREEN SIZE & TYPE: 2-inch diameter PVC SLOT NO.: 20 SETTING: 30-40	
DATE BEGUN: 03/26/01 DATE COMPLETED: 03/30/01		SAND PACK SIZE & TYPE: #2 Quartz SETTING: 29-40	
DRILLING COMPANY: Aquifer Drilling & Test- ing, Albany, New York		CASING SIZE & TYPE: 6-inch steel: 1-31 2-inch diameter PVC riser: 0-30	
DRILLING METHOD: 8-inch hollow-stem auger to 20 feet/air rotary to 40 feet			
SAMPLING METHOD: Cuttings		SEAL TYPE: Bentonite chips (in steel cas- ing)	
OBSERVER: Paul Woodell		SETTING: 8-29, Sand 0-8	
REFERENCE POINT (RP): Grade		BACKFILL TYPE: None	
ELEVATION OF TOC: 98.36		STATIC WATER LEVEL: 34.30 (4/5/01)	
STICK-UP:		DEVELOPMENT METHOD:	
SURFACE COMPLETION: 8-inch manhole in 2 x 2 foot concrete pad		DURATION: YIELD:	
REMARKS: Casing set and grouted 3/27/01 at 12:00/outer steel casing grouted in place			
ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelly tube			
REC = recovery PPM = parts per million			

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	PID ^{1/} READING	DESCRIPTION
FROM	TO					
0	20	C	—	—	—	Silt, some clay, brown, moist.
20	30	C	—	—	—	Shale bedrock, green, highly weathered. Advanced 10 feet in approximately 10 minutes.
30	40					No cuttings.

^{1/} Units are ppm calibration gas equivalent

GEOLOGIC LOG		OWNER: Deluxe Corporation	
LEGGETTE, BRASHEARS & GRAHAM, INC.		WELL NO.: MW-3C	
WHITE PLAINS, NEW YORK		PAGE: 1 OF 1 PAGES	
SITE LOCATION: 4707 Dey Road Liverpool, New York		SCREEN SIZE & TYPE: 2-inch diameter PVC Schedule 40 SLOT NO.: 20 SETTING: 50-60	
DATE BEGUN: 03/27/01 DATE COMPLETED: 03/30/01		SAND PACK SIZE & TYPE: #2 Quartz SETTING: 49-60	
DRILLING COMPANY: Aquifer Drilling & Test- ing, Albany, New York		CASING SIZE & TYPE: 6-inch steel to 50 feet 2-inch PVC to 50 feet	
DRILLING METHOD: 8-inch hollow-stem auger to 20 feet/air rotary to 60 ft bg			
SAMPLING METHOD: Cuttings		SEAL TYPE: Bentonite chips (between steel and PVC) SETTING: 3-49	
OBSERVER: Paul Woodell		BACKFILL TYPE: Cuttings	
REFERENCE POINT (RP): Grade		STATIC WATER LEVEL: 36.24 (4/5/01)	
ELEVATION OF TOC: 98.19		DEVELOPMENT METHOD:	
STICK-UP:		DURATION: YIELD:	
SURFACE COMPLETION: 8-inch manhole in 2 x 2 foot concrete pad			
REMARKS: Casing set and grouted 3/27, 16:30			
ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelby tube REC = recovery PPM = parts per million			

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	PID ^{1/} READING	DESCRIPTION
FROM	TO					
0	1					
1	20	C	--	-	-	SILT and clay, brown, moist, saturated be- low 10 ft bg
20	60	C	-	-	-	Shale, highly weathered color green chang- ing to brown then green with depth.

^{1/} Units are ppm calibration gas equivalent

GEOLOGIC LOG		OWNER: Deluxe Corporation
LEGGETTE, BRASHEARS & GRAHAM, INC.		WELL NO.: MW-4A
WHITE PLAINS, NEW YORK		PAGE: 1 OF 1 PAGES
SITE LOCATION: 4707 Dey Road Liverpool, New York	SCREEN SIZE & TYPE: 2-inch diameter PVC Schedule 40	
	SLOT NO.: 20 SETTING: 5-20	
DATE COMPLETED: 04/02/01	SAND PACK SIZE & TYPE: #2 Quartz	
DRILLING COMPANY: Aquifer Drilling & Test- ing, Albany, New York	SETTING: 4-20	
DRILLING METHOD: 6-inch tricone and air	CASING SIZE & TYPE: 2-inch diameter PVC riser: 0-5	
SAMPLING METHOD: Cuttings	SEAL TYPE: Bentonite chips	
OBSERVER: Paul Woodell	SETTING: 3-4	
REFERENCE POINT (RP): Grade	BACKFILL TYPE: Cuttings	
ELEVATION OF TOC: 96.90	STATIC WATER LEVEL: 8.91 (4/5/01)	
STICK-UP:	DEVELOPMENT METHOD:	
SURFACE COMPLETION: 8-inch manhole in 2 x 2 foot concrete pad	DURATION:	YIELD:
REMARKS:		
ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelby tube		
REC = recovery PPM = parts per million		

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	PID ^{1/} READING	DESCRIPTION
FROM	TO					
0	1	C				Asphalt, fill.
1	11	C				Clay, some silt, trace gravel, brown, moist.
11	20	C				Shale bedrock, gray-green.

^{1/} Units are ppm calibration gas equivalent

dmd
June 12, 2001
reports\deluxe\mw1throughmw4 log

GEOLOGIC LOG		OWNER: Deluxe Corporation	
LEGGETTE, BRASHEARS & GRAHAM, INC.		WELL NO.: MW-4B	
WHITE PLAINS, NEW YORK		PAGE: 1 OF 1 PAGES	
SITE LOCATION: 4707 Dey Road Liverpool, New York		SCREEN SIZE & TYPE: 2-inch diameter PVC Schedule 40	
		SLOT NO.: 20 SETTING: 30-40	
DATE BEGUN: 03/29/01		SAND PACK SIZE & TYPE: #2 Quartz	
DATE COMPLETED: 04/02/01		SETTING: 29-40	
DRILLING COMPANY: Aquifer Drilling & Test- ing, Albany, New York		CASING SIZE & TYPE: 6-inch diameter steel: 0-30	
DRILLING METHOD: 8-inch hollow-stem auger to 14/air to 40		2-inch diameter PVC riser: 0-30	
SAMPLING METHOD: Cuttings		SEAL TYPE: Bentonite chips (between steel and PVC)	
OBSERVER: Paul Woodell		SETTING: 3-29	
REFERENCE POINT (RP): Grade		BACKFILL TYPE: Cuttings	
ELEVATION OF TOC: 96.76		STATIC WATER LEVEL: 32.85 (4/5/01)	
STICK-UP:		DEVELOPMENT METHOD:	
SURFACE COMPLETION: 8-inch manhole in 2 x 2 foot concrete pad		DURATION: YIELD:	
REMARKS:			
ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelby tube			
REC = recovery PPM = parts per million			

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	PID ^{1/} READING	DESCRIPTION
FROM	TO					
0	1	C				Asphalt, fill.
1	11	C				Clay, some silt, trace gravel, brown moist.
11	40	C				Shale bedrock, gray-green.

^{1/} Units are ppm calibration gas equivalent

GEOLOGIC LOG		OWNER: Deluxe Corporation	
LEGGETTE, BRASHEARS & GRAHAM, INC.		WELL NO.: MW-4C	
WHITE PLAINS, NEW YORK		PAGE: 1 OF 1 PAGES	
SITE LOCATION: 4707 Dey Road Liverpool, New York		SCREEN SIZE & TYPE: 2-inch diameter PVC Schedule 40 SLOT NO.: 20 SETTING: 50-60	
DATE BEGUN: 03/29/01 DATE COMPLETED: 04/02/01		SAND PACK SIZE & TYPE: #2 Quartz SETTING: 49-60	
DRILLING COMPANY: Aquifer Drilling & Test- ing, Albany, New York		CASING SIZE & TYPE: 6-inch steel to 50 feet 2-inch PVC to 50 feet	
DRILLING METHOD: 8 1/4-inch hollow-stem auger to 13 feet/air rotary to 60 feet			
SAMPLING METHOD: Cuttings		SEAL TYPE: Bentonite chips (inside steel casing) SETTING: 3-49	
OBSERVER: Paul Woodell		BACKFILL TYPE: Cuttings	
REFERENCE POINT (RP): Grade		STATIC WATER LEVEL: 34.73 (4/5/01)	
ELEVATION OF TOC: 96.50		DEVELOPMENT METHOD:	
STICK-UP:		DURATION: YIELD:	
SURFACE COMPLETION: 8-inch manhole in 2 x 2 foot concrete pad			
REMARKS:			
ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelly tube			
REC = recovery PPM = parts per million			

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	PID ^{1/} READING	DESCRIPTION
FROM	TO					
0	1					Asphalt, fill.
1	11					CLAY, some silt, trace gravel, brown, moist, saturated may be around 6-8 ft bg.
11	50					Shale bedrock, grey-green, much clay, color change to red shale ~45 ft bg, much water below ~40-45 feet.

^{1/} Units are ppm calibration gas equivalent

dmd

June 12, 2001

reports\deluxe\mw1throughmw4 log



RECEIVED
AUG 24 2001
LBG

York Analytical Laboratories, Inc.

Technical Report

prepared for

Leggette Brashears & Graham
Mr. Jorma Weber

Re: Deluxe

York Project No. 01040168

4/20/2001

Volume 1 of 2

Table of Contents

York Project ID 01040168

	<u>Page Number</u>
TITLE PAGE	i
TABLE OF CONTENTS	ii
COVER PAGE	001
PROJECT SDG SAMPLE ID CROSS REFERENCE	002
RESULTS SUMMARY	003 - 0025
CHAIN-OF-CUSTODY DOCUMENTATION	0026 - 0028
APPENDIX A - LABORATORY RAW DATA + NARRATIVE	0029 - 0527
-VOLATILES DATA	0031 - 0289
-SEMI-VOLATILE DATA	0290 - 0527

Technical Report

prepared for

Leggette Brashears & Graham
110 Corporate Park Drive
Suite 112
White Plains, New York 10604
Attention: Jorma Weber

Report Date: 4/20/2001
Re: Client Project ID: Deluxe
York Project No.: 01040168

CT License No. PH-0723 New York License No. 10854 Mass. License No. M-CT106 Rhode Island License No. 93 EPA I.D. No. CT00106



000001

Project SDG Sample ID Cross Reference

LBG Sample ID	Lab Sample ID
MW-1A	01040168-01
MW-1B	01040168-02
MW-1C	01040168-03
MW-2A	01040168-04
MW-2B	01040168-05
MW-2C	01040168-06
MW-3A	01040168-07
MW-3B	01040168-08
MW-3C	01040168-09
MW-4A	01040168-10
MW-4B	01040168-11
MW-4C	01040168-12
Field Blank	01040168-13
Trip Blank	01040168-14
Drums (MW-2, 3, 4)	01040168-15
Drums (MW-1)	01040168-16

Report Date: 4/20/2001
Client Project ID: Deluxe
York Project No.: 01040168

Leggette Brashears & Graham
110 Corporate Park Drive
Suite 112
White Plains, New York 10604
Attention: Jorma Weber

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 04/06/01. The project was identified as your project "Deluxe".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

Analysis Results

Client Sample ID			MW-1A		MW-1B	
York Sample ID			01040168-01		01040168-02	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles-8260 list	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,1-Trichloroethane			2	1	27	1
1,1,2,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,2-Trichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethane			2	1	1	1
1,1-Dichloroethylene			6	1	7	1
1,1-Dichloropropylene			Not detected	1	Not detected	1
1,2,3-Trichlorobenzene			Not detected	1	Not detected	1
1,2,3-Trichloropropane			Not detected	1	Not detected	1
1,2,3-Trimethylbenzene			Not detected	1	Not detected	1
1,2,4-Trichlorobenzene			Not detected	1	Not detected	1
1,2,4-Trimethylbenzene			45	1	34	1
1,2-Dibromo-3-chloropropane			Not detected	1	Not detected	1
1,2-Dibromoethane			Not detected	1	Not detected	1
1,2-Dichlorobenzene			Not detected	1	Not detected	1
1,2-Dichloroethane			Not detected	1	Not detected	1

000003

YORK

Client Sample ID			MW-1A		MW-1B	
York Sample ID			01040168-01		01040168-02	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
1,2-Dichloroethylene (Total)			75(c-) 2(t-)	1	70(c-) 2(t-)	1
1,2-Dichloropropane			Not detected	1	Not detected	1
1,3,5-Trimethylbenzene			14	1	11	1
1,3-Dichlorobenzene			Not detected	1	Not detected	1
1,3-Dichloropropane			Not detected	1	Not detected	1
1,4-Dichlorobenzene			Not detected	1	Not detected	1
1-Chlorohexane			Not detected	1	Not detected	1
2,2-Dichloropropane			Not detected	1	Not detected	1
2-Chlorotoluene			Not detected	1	Not detected	1
4-Chlorotoluene			Not detected	1	Not detected	1
Benzene			Not detected	1	Not detected	1
Bromobenzene			Not detected	1	Not detected	1
Bromochloromethane			Not detected	1	Not detected	1
Bromodichloromethane			Not detected	1	Not detected	1
Bromoform			Not detected	1	Not detected	1
Bromomethane			Not detected	1	Not detected	1
Carbon tetrachloride			Not detected	1	Not detected	1
Chlorobenzene			Not detected	1	Not detected	1
Chloroethane			Not detected	1	Not detected	1
Chloroform			Not detected	1	Not detected	1
Chloromethane			Not detected	1	Not detected	1
cis-1,3-Dichloropropylene			Not detected	1	Not detected	1
Dibromochloromethane			Not detected	1	Not detected	1
Dibromomethane			Not detected	1	Not detected	1
Dichlorodifluoromethane			Not detected	1	Not detected	1
Ethylbenzene			2	1	2	1
Hexachlorobutadiene			Not detected	1	Not detected	1
Isopropylbenzene			2	1	1	1
Methylene chloride			Not detected	1	Not detected	1
Naphthalene			Not detected	1	Not detected	1
n-Butylbenzene			Not detected	1	Not detected	1
n-Propylbenzene			Not detected	1	Not detected	1
o-Xylene			2	1	Not detected	1
p- & m-Xylenes			1	1	1	1
p-Isopropyltoluene			Not detected	1	Not detected	1
sec-Butylbenzene			2	1	Not detected	1
Styrene			Not detected	1	Not detected	1
tert-Butylbenzene			3	1	Not detected	1
Tetrachloroethylene			730	25	670	25
Toluene			Not detected	1	Not detected	1
trans-1,3-Dichloropropylene			Not detected	1	Not detected	1
Trichloroethylene			300	25	290	25
Trichlorofluoromethane			Not detected	1	Not detected	1
Vinyl chloride			23	1	20	1
BNA-8270 List water	SW846-8270	ug/L	---	---	---	---
1,2,4-Trichlorobenzene			Not detected	10	Not detected	10
1,2-Dichlorobenzene			Not detected	10	Not detected	10
1,3-Dichlorobenzene			Not detected	10	Not detected	10
1,4-Dichlorobenzene			Not detected	10	Not detected	10
2,4,5-Trichlorophenol			Not detected	10	Not detected	10
2,4,6-Trichlorophenol			Not detected	10	Not detected	10

000004

YORK

Client Sample ID			MW-1A		MW-1B	
York Sample ID			01040168-01		01040168-02	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
2,4-Dichlorophenol			Not detected	10	Not detected	10
2,4-Dimethylphenol			Not detected	10	Not detected	10
2,4-Dinitrophenol			Not detected	50	Not detected	50
2,4-Dinitrotoluene			Not detected	10	Not detected	10
2,6-Dinitrotoluene			Not detected	10	Not detected	10
2-Chloronaphthalene			Not detected	10	Not detected	10
2-Chlorophenol			Not detected	10	Not detected	10
2-Methylnaphthalene			Not detected	10	Not detected	10
2-Methylphenol			Not detected	10	Not detected	10
2-Nitroaniline			Not detected	50	Not detected	50
2-Nitrophenol			Not detected	10	Not detected	10
3,3'-Dichlorobenzidine			Not detected	10	Not detected	10
3-Nitroaniline			Not detected	50	Not detected	50
4,6-Dinitro-2-methylphenol			Not detected	50	Not detected	50
4-Bromophenyl phenyl ether			Not detected	10	Not detected	10
4-Chloro-3-methyl phenol			Not detected	10	Not detected	10
4-Chloroaniline			Not detected	10	Not detected	10
4-Chlorophenyl phenyl ether			Not detected	10	Not detected	10
4-Methylphenol			Not detected	10	Not detected	10
4-Nitroaniline			Not detected	50	Not detected	50
4-Nitrophenol			Not detected	50	Not detected	50
Acenaphthene			Not detected	10	Not detected	10
Acenaphthylene			Not detected	10	Not detected	10
Anthracene			Not detected	10	Not detected	10
Benzo(a)anthracene			Not detected	10	Not detected	10
Benzo(a)pyrene			Not detected	10	Not detected	10
Benzo(b)fluoranthene			Not detected	10	Not detected	10
Benzo(g,h,i)perylene			Not detected	10	Not detected	10
Benzo(k)fluoranthene			Not detected	10	Not detected	10
Benzyl alcohol			Not detected	10	Not detected	10
Bis(2-chloroethoxy)methane			Not detected	10	Not detected	10
Bis(2-chloroethyl)ether			Not detected	10	Not detected	10
Bis(2-chloroisopropyl)ether			Not detected	10	Not detected	10
Bis(2-ethylhexyl)phthalate			Not detected	10	Not detected	10
Butyl benzyl phthalate			Not detected	10	Not detected	10
Chrysene			Not detected	10	Not detected	10
Dibenz(a,h)anthracene			Not detected	10	Not detected	10
Dibenzofuran			Not detected	10	Not detected	10
Diethylphthalate			Not detected	10	Not detected	10
Dimethylphthalate			Not detected	10	Not detected	10
Di-n-butylphthalate			Not detected	10	Not detected	10
Di-n-octylphthalate			Not detected	10	Not detected	10
Fluoranthene			Not detected	10	Not detected	10
Fluorene			Not detected	10	Not detected	10
Hexachlorobenzene			Not detected	10	Not detected	10
Hexachlorobutadiene			Not detected	10	Not detected	10
Hexachlorocyclopentadiene			Not detected	10	Not detected	10
Hexachloroethane			Not detected	10	Not detected	10
Indeno(1,2,3-cd)pyrene			Not detected	10	Not detected	10
Isophorone			Not detected	10	Not detected	10
Naphthalene			Not detected	10	Not detected	10

000005 YORK

Client Sample ID			MW-1A		MW-1B	
York Sample ID			01040168-01		01040168-02	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Nitrobenzene			Not detected	10	Not detected	10
N-Nitrosodi-n-propylamine			Not detected	10	Not detected	10
N-Nitrosodiphenylamine			Not detected	10	Not detected	10
Pentachlorophenol			Not detected	50	Not detected	50
Phenanthrene			Not detected	10	Not detected	10
Phenol			Not detected	10	Not detected	10
Pyrene			Not detected	10	Not detected	10

Client Sample ID			MW-1C		MW-2A	
York Sample ID			01040168-03		01040168-04	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles-8260 list	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,1-Trichloroethane			5	1	Not detected	1
1,1,2,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,2-Trichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethylene			Not detected	1	Not detected	1
1,1-Dichloropropylene			Not detected	1	Not detected	1
1,2,3-Trichlorobenzene			Not detected	1	Not detected	1
1,2,3-Trichloropropane			Not detected	1	Not detected	1
1,2,3-Trimethylbenzene			Not detected	1	Not detected	1
1,2,4-Trichlorobenzene			Not detected	1	Not detected	1
1,2,4-Trimethylbenzene			Not detected	1	Not detected	1
1,2-Dibromo-3-chloropropane			Not detected	1	Not detected	1
1,2-Dibromoethane			Not detected	1	Not detected	1
1,2-Dichlorobenzene			Not detected	1	Not detected	1
1,2-Dichloroethane			Not detected	1	Not detected	1
1,2-Dichloroethylene (Total)			3 (cis-)	1	Not detected	1
1,2-Dichloropropane			Not detected	1	Not detected	1
1,3,5-Trimethylbenzene			Not detected	1	Not detected	1
1,3-Dichlorobenzene			Not detected	1	Not detected	1
1,3-Dichloropropane			Not detected	1	Not detected	1
1,4-Dichlorobenzene			Not detected	1	Not detected	1
1-Chlorohexane			Not detected	1	Not detected	1
2,2-Dichloropropane			Not detected	1	Not detected	1
2-Chlorotoluene			Not detected	1	Not detected	1
4-Chlorotoluene			Not detected	1	Not detected	1
Benzene			Not detected	1	Not detected	1
Bromobenzene			Not detected	1	Not detected	1
Bromochloromethane			Not detected	1	Not detected	1
Bromodichloromethane			Not detected	1	Not detected	1
Bromoform			Not detected	1	Not detected	1
Bromomethane			Not detected	1	Not detected	1
Carbon tetrachloride			Not detected	1	Not detected	1
Chlorobenzene			Not detected	1	Not detected	1
Chloroethane			Not detected	1	Not detected	1
Chloroform			Not detected	1	Not detected	1

000006 YORK

Client Sample ID			MW-1C		MW-2A	
York Sample ID			01040168-03		01040168-04	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Chloromethane			Not detected	1	Not detected	1
cis-1,3-Dichloropropylene			Not detected	1	Not detected	1
Dibromochloromethane			Not detected	1	Not detected	1
Dibromomethane			Not detected	1	Not detected	1
Dichlorodifluoromethane			Not detected	1	Not detected	1
Ethylbenzene			Not detected	1	Not detected	1
Hexachlorobutadiene			Not detected	1	Not detected	1
Isopropylbenzene			Not detected	1	Not detected	1
Methylene chloride			Not detected	1	Not detected	1
Naphthalene			Not detected	1	Not detected	1
n-Butylbenzene			Not detected	1	Not detected	1
n-Propylbenzene			Not detected	1	Not detected	1
o-Xylene			Not detected	1	Not detected	1
p- & m-Xylenes			Not detected	1	Not detected	1
p-Isopropyltoluene			Not detected	1	Not detected	1
sec-Butylbenzene			Not detected	1	Not detected	1
Styrene			Not detected	1	Not detected	1
tert-Butylbenzene			Not detected	1	Not detected	1
Tetrachloroethylene			44	1	Not detected	1
Toluene			Not detected	1	Not detected	1
trans-1,3-Dichloropropylene			Not detected	1	Not detected	1
Trichloroethylene			9	1	Not detected	1
Trichlorofluoromethane			Not detected	1	Not detected	1
Vinyl chloride			Not detected	1	Not detected	1
BNA-8270 List water	SW846-8270	ug/L	---	---	---	---
1,2,4-Trichlorobenzene			Not detected	10	Not detected	10
1,2-Dichlorobenzene			Not detected	10	Not detected	10
1,3-Dichlorobenzene			Not detected	10	Not detected	10
1,4-Dichlorobenzene			Not detected	10	Not detected	10
2,4,5-Trichlorophenol			Not detected	10	Not detected	10
2,4,6-Trichlorophenol			Not detected	10	Not detected	10
2,4-Dichlorophenol			Not detected	10	Not detected	10
2,4-Dimethylphenol			Not detected	10	Not detected	10
2,4-Dinitrophenol			Not detected	50	Not detected	50
2,4-Dinitrotoluene			Not detected	10	Not detected	10
2,6-Dinitrotoluene			Not detected	10	Not detected	10
2-Chloronaphthalene			Not detected	10	Not detected	10
2-Chlorophenol			Not detected	10	Not detected	10
2-Methylnaphthalene			Not detected	10	Not detected	10
2-Methylphenol			Not detected	10	Not detected	10
2-Nitroaniline			Not detected	50	Not detected	50
2-Nitrophenol			Not detected	10	Not detected	10
3,3'-Dichlorobenzidine			Not detected	10	Not detected	10
3-Nitroaniline			Not detected	50	Not detected	50
4,6-Dinitro-2-methylphenol			Not detected	50	Not detected	50
4-Bromophenyl phenyl ether			Not detected	10	Not detected	10
4-Chloro-3-methyl phenol			Not detected	10	Not detected	10
4-Chloroaniline			Not detected	10	Not detected	10
4-Chlorophenyl phenyl ether			Not detected	10	Not detected	10
4-Methylphenol			Not detected	10	Not detected	10
4-Nitroaniline			Not detected	50	Not detected	50

000007 YORK

Client Sample ID			MW-1C		MW-2A	
York Sample ID			01040168-03		01040168-04	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
4-Nitrophenol			Not detected	50	Not detected	50
Acenaphthene			Not detected	10	Not detected	10
Acenaphthylene			Not detected	10	Not detected	10
Anthracene			Not detected	10	Not detected	10
Benzo(a)anthracene			Not detected	10	Not detected	10
Benzo(a)pyrene			Not detected	10	Not detected	10
Benzo(b)fluoranthene			Not detected	10	Not detected	10
Benzo(g,h,i)perylene			Not detected	10	Not detected	10
Benzo(k)fluoranthene			Not detected	10	Not detected	10
Benzyl alcohol			Not detected	10	Not detected	10
Bis(2-chloroethoxy)methane			Not detected	10	Not detected	10
Bis(2-chloroethyl)ether			Not detected	10	Not detected	10
Bis(2-chloroisopropyl)ether			Not detected	10	Not detected	10
Bis(2-ethylhexyl)phthalate			Not detected	10	Not detected	10
Butyl benzyl phthalate			Not detected	10	Not detected	10
Chrysene			Not detected	10	Not detected	10
Dibenz(a,h)anthracene			Not detected	10	Not detected	10
Dibenzofuran			Not detected	10	Not detected	10
Diethylphthalate			Not detected	10	Not detected	10
Dimethylphthalate			Not detected	10	Not detected	10
Di-n-butylphthalate			Not detected	10	Not detected	10
Di-n-octylphthalate			Not detected	10	Not detected	10
Fluoranthene			Not detected	10	Not detected	10
Fluorene			Not detected	10	Not detected	10
Hexachlorobenzene			Not detected	10	Not detected	10
Hexachlorobutadiene			Not detected	10	Not detected	10
Hexachlorocyclopentadiene			Not detected	10	Not detected	10
Hexachloroethane			Not detected	10	Not detected	10
Indeno(1,2,3-cd)pyrene			Not detected	10	Not detected	10
Isophorone			Not detected	10	Not detected	10
Naphthalene			Not detected	10	Not detected	10
Nitrobenzene			Not detected	10	Not detected	10
N-Nitrosodi-n-propylamine			Not detected	10	Not detected	10
N-Nitrosodiphenylamine			Not detected	10	Not detected	10
Pentachlorophenol			Not detected	50	Not detected	50
Phenanthrene			Not detected	10	Not detected	10
Phenol			Not detected	10	Not detected	10
Pyrene			Not detected	10	Not detected	10

Client Sample ID			MW-2B		MW-2C	
York Sample ID			01040168-05		01040168-06	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles-8260 list	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,1-Trichloroethane			Not detected	1	4	1
1,1,2,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,2-Trichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethane			Not detected	1	2	1

000008

YORK

Client Sample ID			MW-2B		MW-2C	
York Sample ID			01040168-05		01040168-06	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
1,1-Dichloroethylene			Not detected	1	2	1
1,1-Dichloropropylene			Not detected	1	Not detected	1
1,2,3-Trichlorobenzene			Not detected	1	Not detected	1
1,2,3-Trichloropropane			Not detected	1	Not detected	1
1,2,3-Trimethylbenzene			Not detected	1	Not detected	1
1,2,4-Trichlorobenzene			Not detected	1	Not detected	1
1,2,4-Trimethylbenzene			Not detected	1	Not detected	1
1,2-Dibromo-3-chloropropane			Not detected	1	Not detected	1
1,2-Dibromoethane			Not detected	1	Not detected	1
1,2-Dichlorobenzene			Not detected	1	Not detected	1
1,2-Dichloroethane			Not detected	1	Not detected	1
1,2-Dichloroethylene (Total)			Not detected	1	Not detected	1
1,2-Dichloropropane			Not detected	1	Not detected	1
1,3,5-Trimethylbenzene			Not detected	1	Not detected	1
1,3-Dichlorobenzene			Not detected	1	Not detected	1
1,3-Dichloropropane			Not detected	1	Not detected	1
1,4-Dichlorobenzene			Not detected	1	Not detected	1
1-Chlorohexane			Not detected	1	Not detected	1
2,2-Dichloropropane			Not detected	1	Not detected	1
2-Chlorotoluene			Not detected	1	Not detected	1
4-Chlorotoluene			Not detected	1	Not detected	1
Benzene			Not detected	1	Not detected	1
Bromobenzene			Not detected	1	Not detected	1
Bromochloromethane			Not detected	1	Not detected	1
Bromodichloromethane			Not detected	1	Not detected	1
Bromoform			Not detected	1	Not detected	1
Bromomethane			Not detected	1	Not detected	1
Carbon tetrachloride			Not detected	1	Not detected	1
Chlorobenzene			Not detected	1	Not detected	1
Chloroethane			Not detected	1	Not detected	1
Chloroform			Not detected	1	Not detected	1
Chloromethane			Not detected	1	Not detected	1
cis-1,3-Dichloropropylene			Not detected	1	Not detected	1
Dibromochloromethane			Not detected	1	Not detected	1
Dibromomethane			Not detected	1	Not detected	1
Dichlorodifluoromethane			Not detected	1	Not detected	1
Ethylbenzene			Not detected	1	Not detected	1
Hexachlorobutadiene			Not detected	1	Not detected	1
Isopropylbenzene			Not detected	1	Not detected	1
Methylene chloride			Not detected	1	Not detected	1
Naphthalene			Not detected	1	Not detected	1
n-Butylbenzene			Not detected	1	Not detected	1
n-Propylbenzene			Not detected	1	Not detected	1
o-Xylene			Not detected	1	Not detected	1
p- & m-Xylenes			Not detected	1	Not detected	1
p-Isopropyltoluene			Not detected	1	Not detected	1
sec-Butylbenzene			Not detected	1	Not detected	1
Styrene			Not detected	1	Not detected	1
tert-Butylbenzene			Not detected	1	Not detected	1
Tetrachloroethylene			Not detected	1	Not detected	1
Toluene			Not detected	1	Not detected	1

000009 YORK

Client Sample ID			MW-2B		MW-2C	
York Sample ID			01040168-05		01040168-06	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
trans-1,3-Dichloropropylene			Not detected	1	Not detected	1
Trichloroethylene			Not detected	1	Not detected	1
Trichlorofluoromethane			Not detected	1	Not detected	1
Vinyl chloride			Not detected	1	Not detected	1
BNA-8270 List water	SW846-8270	ug/L	---	---	---	---
1,2,4-Trichlorobenzene			Not detected	10	Not detected	10
1,2-Dichlorobenzene			Not detected	10	Not detected	10
1,3-Dichlorobenzene			Not detected	10	Not detected	10
1,4-Dichlorobenzene			Not detected	10	Not detected	10
2,4,5-Trichlorophenol			Not detected	10	Not detected	10
2,4,6-Trichlorophenol			Not detected	10	Not detected	10
2,4-Dichlorophenol			Not detected	10	Not detected	10
2,4-Dimethylphenol			Not detected	10	Not detected	10
2,4-Dinitrophenol			Not detected	50	Not detected	50
2,4-Dinitrotoluene			Not detected	10	Not detected	10
2,6-Dinitrotoluene			Not detected	10	Not detected	10
2-Chloronaphthalene			Not detected	10	Not detected	10
2-Chlorophenol			Not detected	10	Not detected	10
2-Methylnaphthalene			Not detected	10	Not detected	10
2-Methylphenol			Not detected	10	Not detected	10
2-Nitroaniline			Not detected	50	Not detected	50
2-Nitrophenol			Not detected	10	Not detected	10
3,3'-Dichlorobenzidine			Not detected	10	Not detected	10
3-Nitroaniline			Not detected	50	Not detected	50
4,6-Dinitro-2-methylphenol			Not detected	50	Not detected	50
4-Bromophenyl phenyl ether			Not detected	10	Not detected	10
4-Chloro-3-methyl phenol			Not detected	10	Not detected	10
4-Chloroaniline			Not detected	10	Not detected	10
4-Chlorophenyl phenyl ether			Not detected	10	Not detected	10
4-Methylphenol			Not detected	10	Not detected	10
4-Nitroaniline			Not detected	50	Not detected	50
4-Nitrophenol			Not detected	50	Not detected	50
Acenaphthene			Not detected	10	Not detected	10
Acenaphthylene			Not detected	10	Not detected	10
Anthracene			Not detected	10	Not detected	10
Benzo(a)anthracene			Not detected	10	Not detected	10
Benzo(a)pyrene			Not detected	10	Not detected	10
Benzo(b)fluoranthene			Not detected	10	Not detected	10
Benzo(g,h,i)perylene			Not detected	10	Not detected	10
Benzo(k)fluoranthene			Not detected	10	Not detected	10
Benzyl alcohol			Not detected	10	Not detected	10
Bis(2-chloroethoxy)methane			Not detected	10	Not detected	10
Bis(2-chloroethyl)ether			Not detected	10	Not detected	10
Bis(2-chloroisopropyl)ether			Not detected	10	Not detected	10
Bis(2-ethylhexyl)phthalate			Not detected	10	Not detected	10
Butyl benzyl phthalate			Not detected	10	Not detected	10
Chrysene			Not detected	10	Not detected	10
Dibenz(a,h)anthracene			Not detected	10	Not detected	10
Dibenzofuran			Not detected	10	Not detected	10
Diethylphthalate			Not detected	10	Not detected	10
Dimethylphthalate			Not detected	10	Not detected	10

000010

YORK

Client Sample ID			MW-2B		MW-2C	
York Sample ID			01040168-05		01040168-06	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Di-n-butylphthalate			Not detected	10	Not detected	10
Di-n-octylphthalate			Not detected	10	Not detected	10
Fluoranthene			Not detected	10	Not detected	10
Fluorene			Not detected	10	Not detected	10
Hexachlorobenzene			Not detected	10	Not detected	10
Hexachlorobutadiene			Not detected	10	Not detected	10
Hexachlorocyclopentadiene			Not detected	10	Not detected	10
Hexachloroethane			Not detected	10	Not detected	10
Indeno(1,2,3-cd)pyrene			Not detected	10	Not detected	10
Isophorone			Not detected	10	Not detected	10
Naphthalene			Not detected	10	Not detected	10
Nitrobenzene			Not detected	10	Not detected	10
N-Nitrosodi-n-propylamine			Not detected	10	Not detected	10
N-Nitrosodiphenylamine			Not detected	10	Not detected	10
Pentachlorophenol			Not detected	50	Not detected	50
Phenanthrene			Not detected	10	Not detected	10
Phenol			Not detected	10	Not detected	10
Pyrene			Not detected	10	Not detected	10

Client Sample ID			MW-3A		MW-3B	
York Sample ID			01040168-07		01040168-08	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles-8260 list	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,1-Trichloroethane			Not detected	1	Not detected	1
1,1,2,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,2-Trichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethylene			Not detected	1	Not detected	1
1,1-Dichloropropylene			Not detected	1	Not detected	1
1,2,3-Trichlorobenzene			Not detected	1	Not detected	1
1,2,3-Trichloropropane			Not detected	1	Not detected	1
1,2,3-Trimethylbenzene			Not detected	1	Not detected	1
1,2,4-Trichlorobenzene			Not detected	1	Not detected	1
1,2,4-Trimethylbenzene			Not detected	1	Not detected	1
1,2-Dibromo-3-chloropropane			Not detected	1	Not detected	1
1,2-Dibromoethane			Not detected	1	Not detected	1
1,2-Dichlorobenzene			Not detected	1	Not detected	1
1,2-Dichloroethane			Not detected	1	Not detected	1
1,2-Dichloroethylene (Total)			Not detected	1	Not detected	1
1,2-Dichloropropane			Not detected	1	Not detected	1
1,3,5-Trimethylbenzene			Not detected	1	Not detected	1
1,3-Dichlorobenzene			Not detected	1	Not detected	1
1,3-Dichloropropane			Not detected	1	Not detected	1
1,4-Dichlorobenzene			Not detected	1	Not detected	1
1-Chlorohexane			Not detected	1	Not detected	1
2,2-Dichloropropane			Not detected	1	Not detected	1
2-Chlorotoluene			Not detected	1	Not detected	1

000011 YORK

Client Sample ID			MW-3A		MW-3B	
York Sample ID			01040168-07		01040168-08	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
4-Chlorotoluene			Not detected	1	Not detected	1
Benzene			Not detected	1	Not detected	1
Bromobenzene			Not detected	1	Not detected	1
Bromochloromethane			Not detected	1	Not detected	1
Bromodichloromethane			Not detected	1	Not detected	1
Bromoform			Not detected	1	Not detected	1
Bromomethane			Not detected	1	Not detected	1
Carbon tetrachloride			Not detected	1	Not detected	1
Chlorobenzene			Not detected	1	Not detected	1
Chloroethane			Not detected	1	Not detected	1
Chloroform			Not detected	1	Not detected	1
Chloromethane			Not detected	1	Not detected	1
cis-1,3-Dichloropropylene			Not detected	1	Not detected	1
Dibromochloromethane			Not detected	1	Not detected	1
Dibromomethane			Not detected	1	Not detected	1
Dichlorodifluoromethane			Not detected	1	Not detected	1
Ethylbenzene			Not detected	1	Not detected	1
Hexachlorobutadiene			Not detected	1	Not detected	1
Isopropylbenzene			Not detected	1	Not detected	1
Methylene chloride			Not detected	1	Not detected	1
Naphthalene			Not detected	1	Not detected	1
n-Butylbenzene			Not detected	1	Not detected	1
n-Propylbenzene			Not detected	1	Not detected	1
o-Xylene			Not detected	1	Not detected	1
p- & m-Xylenes			Not detected	1	Not detected	1
p-Isopropyltoluene			Not detected	1	Not detected	1
sec-Butylbenzene			Not detected	1	Not detected	1
Styrene			Not detected	1	Not detected	1
tert-Butylbenzene			Not detected	1	Not detected	1
Tetrachloroethylene			Not detected	1	Not detected	1
Toluene			Not detected	1	Not detected	1
trans-1,3-Dichloropropylene			Not detected	1	Not detected	1
Trichloroethylene			Not detected	1	Not detected	1
Trichlorofluoromethane			Not detected	1	Not detected	1
Vinyl chloride			Not detected	1	Not detected	1
BNA-8270 List water	SW846-8270	ug/L	---	---	---	---
1,2,4-Trichlorobenzene			Not detected	10	Not detected	10
1,2-Dichlorobenzene			Not detected	10	Not detected	10
1,3-Dichlorobenzene			Not detected	10	Not detected	10
1,4-Dichlorobenzene			Not detected	10	Not detected	10
2,4,5-Trichlorophenol			Not detected	10	Not detected	10
2,4,6-Trichlorophenol			Not detected	10	Not detected	10
2,4-Dichlorophenol			Not detected	10	Not detected	10
2,4-Dimethylphenol			Not detected	10	Not detected	10
2,4-Dinitrophenol			Not detected	50	Not detected	50
2,4-Dinitrotoluene			Not detected	10	Not detected	10
2,6-Dinitrotoluene			Not detected	10	Not detected	10
2-Chloronaphthalene			Not detected	10	Not detected	10
2-Chlorophenol			Not detected	10	Not detected	10
2-Methylnaphthalene			Not detected	10	Not detected	10
2-Methylphenol			Not detected	10	Not detected	10

000012 YORK

Client Sample ID			MW-3A		MW-3B	
York Sample ID			01040168-07		01040168-08	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
2-Nitroaniline			Not detected	50	Not detected	50
2-Nitrophenol			Not detected	10	Not detected	10
3,3'-Dichlorobenzidine			Not detected	10	Not detected	10
3-Nitroaniline			Not detected	50	Not detected	50
4,6-Dinitro-2-methylphenol			Not detected	50	Not detected	50
4-Bromophenyl phenyl ether			Not detected	10	Not detected	10
4-Chloro-3-methyl phenol			Not detected	10	Not detected	10
4-Chloroaniline			Not detected	10	Not detected	10
4-Chlorophenyl phenyl ether			Not detected	10	Not detected	10
4-Methylphenol			Not detected	10	Not detected	10
4-Nitroaniline			Not detected	50	Not detected	50
4-Nitrophenol			Not detected	50	Not detected	50
Acenaphthene			Not detected	10	Not detected	10
Acenaphthylene			Not detected	10	Not detected	10
Anthracene			Not detected	10	Not detected	10
Benzo(a)anthracene			Not detected	10	Not detected	10
Benzo(a)pyrene			Not detected	10	Not detected	10
Benzo(b)fluoranthene			Not detected	10	Not detected	10
Benzo(g,h,i)perylene			Not detected	10	Not detected	10
Benzo(k)fluoranthene			Not detected	10	Not detected	10
Benzyl alcohol			Not detected	10	Not detected	10
Bis(2-chloroethoxy)methane			Not detected	10	Not detected	10
Bis(2-chloroethyl)ether			Not detected	10	Not detected	10
Bis(2-chloroisopropyl)ether			Not detected	10	Not detected	10
Bis(2-ethylhexyl)phthalate			Not detected	10	Not detected	10
Butyl benzyl phthalate			Not detected	10	Not detected	10
Chrysene			Not detected	10	Not detected	10
Dibenz(a,h)anthracene			Not detected	10	Not detected	10
Dibenzofuran			Not detected	10	Not detected	10
Diethylphthalate			Not detected	10	Not detected	10
Dimethylphthalate			Not detected	10	Not detected	10
Di-n-butylphthalate			Not detected	10	Not detected	10
Di-n-octylphthalate			Not detected	10	Not detected	10
Fluoranthene			Not detected	10	Not detected	10
Fluorene			Not detected	10	Not detected	10
Hexachlorobenzene			Not detected	10	Not detected	10
Hexachlorobutadiene			Not detected	10	Not detected	10
Hexachlorocyclopentadiene			Not detected	10	Not detected	10
Hexachloroethane			Not detected	10	Not detected	10
Indeno(1,2,3-cd)pyrene			Not detected	10	Not detected	10
Isophorone			Not detected	10	Not detected	10
Naphthalene			Not detected	10	Not detected	10
Nitrobenzene			Not detected	10	Not detected	10
N-Nitrosodi-n-propylamine			Not detected	10	Not detected	10
N-Nitrosodiphenylamine			Not detected	10	Not detected	10
Pentachlorophenol			Not detected	50	Not detected	50
Phenanthrene			Not detected	10	Not detected	10
Phenol			Not detected	10	Not detected	10
Pyrene			Not detected	10	Not detected	10

000013

YORK

Client Sample ID			MW-3C		MW-4A	
York Sample ID			01040168-09		01040168-10	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles-8260 list	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,1-Trichloroethane			3	1	Not detected	1
1,1,2,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,2-Trichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethane			1	1	Not detected	1
1,1-Dichloroethylene			Not detected	1	Not detected	1
1,1-Dichloropropylene			Not detected	1	Not detected	1
1,2,3-Trichlorobenzene			Not detected	1	Not detected	1
1,2,3-Trichloropropane			Not detected	1	Not detected	1
1,2,3-Trimethylbenzene			Not detected	1	Not detected	1
1,2,4-Trichlorobenzene			Not detected	1	Not detected	1
1,2,4-Trimethylbenzene			Not detected	1	Not detected	1
1,2-Dibromo-3-chloropropane			Not detected	1	Not detected	1
1,2-Dibromoethane			Not detected	1	Not detected	1
1,2-Dichlorobenzene			Not detected	1	Not detected	1
1,2-Dichloroethane			Not detected	1	Not detected	1
1,2-Dichloroethylene (Total)			Not detected	1	Not detected	1
1,2-Dichloropropane			Not detected	1	Not detected	1
1,3,5-Trimethylbenzene			Not detected	1	Not detected	1
1,3-Dichlorobenzene			Not detected	1	Not detected	1
1,3-Dichloropropane			Not detected	1	Not detected	1
1,4-Dichlorobenzene			Not detected	1	Not detected	1
1-Chlorohexane			Not detected	1	Not detected	1
2,2-Dichloropropane			Not detected	1	Not detected	1
2-Chlorotoluene			Not detected	1	Not detected	1
4-Chlorotoluene			Not detected	1	Not detected	1
Benzene			Not detected	1	Not detected	1
Bromobenzene			Not detected	1	Not detected	1
Bromochloromethane			Not detected	1	Not detected	1
Bromodichloromethane			Not detected	1	Not detected	1
Bromoform			Not detected	1	Not detected	1
Bromomethane			Not detected	1	Not detected	1
Carbon tetrachloride			Not detected	1	Not detected	1
Chlorobenzene			Not detected	1	Not detected	1
Chloroethane			Not detected	1	Not detected	1
Chloroform			Not detected	1	Not detected	1
Chloromethane			Not detected	1	Not detected	1
cis-1,3-Dichloropropylene			Not detected	1	Not detected	1
Dibromochloromethane			Not detected	1	Not detected	1
Dibromomethane			Not detected	1	Not detected	1
Dichlorodifluoromethane			Not detected	1	Not detected	1
Ethylbenzene			Not detected	1	Not detected	1
Hexachlorobutadiene			Not detected	1	Not detected	1
Isopropylbenzene			Not detected	1	Not detected	1
Methylene chloride			Not detected	1	Not detected	1
Naphthalene			Not detected	1	Not detected	1
n-Butylbenzene			Not detected	1	Not detected	1
n-Propylbenzene			Not detected	1	Not detected	1
o-Xylene			Not detected	1	Not detected	1
p- & m-Xylenes			Not detected	1	Not detected	1

000014

YORK

Client Sample ID			MW-3C		MW-4A	
York Sample ID			01040168-09		01040168-10	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
p-Isopropyltoluene			Not detected	1	Not detected	1
sec-Butylbenzene			Not detected	1	Not detected	1
Styrene			Not detected	1	Not detected	1
tert-Butylbenzene			Not detected	1	Not detected	1
Tetrachloroethylene			Not detected	1	5	1
Toluene			Not detected	1	Not detected	1
trans-1,3-Dichloropropylene			Not detected	1	Not detected	1
Trichloroethylene			Not detected	1	Not detected	1
Trichlorofluoromethane			Not detected	1	Not detected	1
Vinyl chloride			Not detected	1	Not detected	1
BNA-8270 List water	SW846-8270	ug/L	---	---	---	---
1,2,4-Trichlorobenzene			Not detected	10	Not detected	10
1,2-Dichlorobenzene			Not detected	10	Not detected	10
1,3-Dichlorobenzene			Not detected	10	Not detected	10
1,4-Dichlorobenzene			Not detected	10	Not detected	10
2,4,5-Trichlorophenol			Not detected	10	Not detected	10
2,4,6-Trichlorophenol			Not detected	10	Not detected	10
2,4-Dichlorophenol			Not detected	10	Not detected	10
2,4-Dimethylphenol			Not detected	10	Not detected	10
2,4-Dinitrophenol			Not detected	50	Not detected	50
2,4-Dinitrotoluene			Not detected	10	Not detected	10
2,6-Dinitrotoluene			Not detected	10	Not detected	10
2-Chloronaphthalene			Not detected	10	Not detected	10
2-Chlorophenol			Not detected	10	Not detected	10
2-Methylnaphthalene			Not detected	10	Not detected	10
2-Methylphenol			Not detected	10	Not detected	10
2-Nitroaniline			Not detected	50	Not detected	50
2-Nitrophenol			Not detected	10	Not detected	10
3,3'-Dichlorobenzidine			Not detected	10	Not detected	10
3-Nitroaniline			Not detected	50	Not detected	50
4,6-Dinitro-2-methylphenol			Not detected	50	Not detected	50
4-Bromophenyl phenyl ether			Not detected	10	Not detected	10
4-Chloro-3-methyl phenol			Not detected	10	Not detected	10
4-Chloroaniline			Not detected	10	Not detected	10
4-Chlorophenyl phenyl ether			Not detected	10	Not detected	10
4-Methylphenol			Not detected	10	Not detected	10
4-Nitroaniline			Not detected	50	Not detected	50
4-Nitrophenol			Not detected	50	Not detected	50
Acenaphthene			Not detected	10	Not detected	10
Acenaphthylene			Not detected	10	Not detected	10
Anthracene			Not detected	10	Not detected	10
Benzo(a)anthracene			Not detected	10	Not detected	10
Benzo(a)pyrene			Not detected	10	Not detected	10
Benzo(b)fluoranthene			Not detected	10	Not detected	10
Benzo(g,h,i)perylene			Not detected	10	Not detected	10
Benzo(k)fluoranthene			Not detected	10	Not detected	10
Benzyl alcohol			Not detected	10	Not detected	10
Bis(2-chloroethoxy)methane			Not detected	10	Not detected	10
Bis(2-chloroethyl)ether			Not detected	10	Not detected	10
Bis(2-chloroisopropyl)ether			Not detected	10	Not detected	10
Bis(2-ethylhexyl)phthalate			Not detected	10	Not detected	10

000015

YORK

Client Sample ID			MW-3C		MW-4A	
York Sample ID			01040168-09		01040168-10	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Butyl benzyl phthalate			Not detected	10	Not detected	10
Chrysene			Not detected	10	Not detected	10
Dibenz(a,h)anthracene			Not detected	10	Not detected	10
Dibenzofuran			Not detected	10	Not detected	10
Diethylphthalate			Not detected	10	Not detected	10
Dimethylphthalate			Not detected	10	Not detected	10
Di-n-butylphthalate			Not detected	10	Not detected	10
Di-n-octylphthalate			Not detected	10	Not detected	10
Fluoranthene			Not detected	10	Not detected	10
Fluorene			Not detected	10	Not detected	10
Hexachlorobenzene			Not detected	10	Not detected	10
Hexachlorobutadiene			Not detected	10	Not detected	10
Hexachlorocyclopentadiene			Not detected	10	Not detected	10
Hexachloroethane			Not detected	10	Not detected	10
Indeno(1,2,3-cd)pyrene			Not detected	10	Not detected	10
Isophorone			Not detected	10	Not detected	10
Naphthalene			Not detected	10	Not detected	10
Nitrobenzene			Not detected	10	Not detected	10
N-Nitrosodi-n-propylamine			Not detected	10	Not detected	10
N-Nitrosodiphenylamine			Not detected	10	Not detected	10
Pentachlorophenol			Not detected	50	Not detected	50
Phenanthrene			Not detected	10	Not detected	10
Phenol			Not detected	10	Not detected	10
Pyrene			Not detected	10	Not detected	10

Client Sample ID			MW-4B		MW-4C	
York Sample ID			01040168-11		01040168-12	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles-8260 list	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,1-Trichloroethane			Not detected	1	4	1
1,1,2,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,2-Trichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethylene			Not detected	1	Not detected	1
1,1-Dichloropropylene			Not detected	1	Not detected	1
1,2,3-Trichlorobenzene			Not detected	1	Not detected	1
1,2,3-Trichloropropane			Not detected	1	Not detected	1
1,2,3-Trimethylbenzene			Not detected	1	Not detected	1
1,2,4-Trichlorobenzene			Not detected	1	Not detected	1
1,2,4-Trimethylbenzene			Not detected	1	Not detected	1
1,2-Dibromo-3-chloropropane			Not detected	1	Not detected	1
1,2-Dibromoethane			Not detected	1	Not detected	1
1,2-Dichlorobenzene			Not detected	1	Not detected	1
1,2-Dichloroethane			Not detected	1	Not detected	1
1,2-Dichloroethylene (Total)			Not detected	1	Not detected	1
1,2-Dichloropropane			Not detected	1	Not detected	1
1,3,5-Trimethylbenzene			Not detected	1	Not detected	1

000016

YORK

Client Sample ID			MW-4B		MW-4C	
York Sample ID			01040168-11		01040168-12	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
1,3-Dichlorobenzene			Not detected	1	Not detected	1
1,3-Dichloropropane			Not detected	1	Not detected	1
1,4-Dichlorobenzene			Not detected	1	Not detected	1
1-Chlorohexane			Not detected	1	Not detected	1
2,2-Dichloropropane			Not detected	1	Not detected	1
2-Chlorotoluene			Not detected	1	Not detected	1
4-Chlorotoluene			Not detected	1	Not detected	1
Benzene			Not detected	1	Not detected	1
Bromobenzene			Not detected	1	Not detected	1
Bromochloromethane			Not detected	1	Not detected	1
Bromodichloromethane			Not detected	1	Not detected	1
Bromoform			Not detected	1	Not detected	1
Bromomethane			Not detected	1	Not detected	1
Carbon tetrachloride			Not detected	1	Not detected	1
Chlorobenzene			Not detected	1	Not detected	1
Chloroethane			Not detected	1	Not detected	1
Chloroform			Not detected	1	Not detected	1
Chloromethane			Not detected	1	Not detected	1
cis-1,3-Dichloropropylene			Not detected	1	Not detected	1
Dibromochloromethane			Not detected	1	Not detected	1
Dibromomethane			Not detected	1	Not detected	1
Dichlorodifluoromethane			Not detected	1	Not detected	1
Ethylbenzene			Not detected	1	Not detected	1
Hexachlorobutadiene			Not detected	1	Not detected	1
Isopropylbenzene			Not detected	1	Not detected	1
Methylene chloride			Not detected	1	Not detected	1
Naphthalene			Not detected	1	Not detected	1
n-Butylbenzene			Not detected	1	Not detected	1
n-Propylbenzene			Not detected	1	Not detected	1
o-Xylene			Not detected	1	Not detected	1
p- & m-Xylenes			Not detected	1	Not detected	1
p-Isopropyltoluene			Not detected	1	Not detected	1
sec-Butylbenzene			Not detected	1	Not detected	1
Styrene			Not detected	1	Not detected	1
tert-Butylbenzene			Not detected	1	Not detected	1
Tetrachloroethylene			Not detected	1	15	1
Toluene			Not detected	1	Not detected	1
trans-1,3-Dichloropropylene			Not detected	1	Not detected	1
Trichloroethylene			Not detected	1	3	1
Trichlorofluoromethane			Not detected	1	Not detected	1
Vinyl chloride			Not detected	1	Not detected	1
BNA-8270 List water	SW846-8270	ug/L	---	---	---	---
1,2,4-Trichlorobenzene			Not detected	10	Not detected	10
1,2-Dichlorobenzene			Not detected	10	Not detected	10
1,3-Dichlorobenzene			Not detected	10	Not detected	10
1,4-Dichlorobenzene			Not detected	10	Not detected	10
2,4,5-Trichlorophenol			Not detected	10	Not detected	10
2,4,6-Trichlorophenol			Not detected	10	Not detected	10
2,4-Dichlorophenol			Not detected	10	Not detected	10
2,4-Dimethylphenol			Not detected	10	Not detected	10
2,4-Dinitrophenol			Not detected	50	Not detected	50

000017

YORK

Client Sample ID			MW-4B		MW-4C	
York Sample ID			01040168-11		01040168-12	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
2,4-Dinitrotoluene			Not detected	10	Not detected	10
2,6-Dinitrotoluene			Not detected	10	Not detected	10
2-Chloronaphthalene			Not detected	10	Not detected	10
2-Chlorophenol			Not detected	10	Not detected	10
2-Methylnaphthalene			Not detected	10	Not detected	10
2-Methylphenol			Not detected	10	Not detected	10
2-Nitroaniline			Not detected	50	Not detected	50
2-Nitrophenol			Not detected	10	Not detected	10
3,3'-Dichlorobenzidine			Not detected	10	Not detected	10
3-Nitroaniline			Not detected	50	Not detected	50
4,6-Dinitro-2-methylphenol			Not detected	50	Not detected	50
4-Bromophenyl phenyl ether			Not detected	10	Not detected	10
4-Chloro-3-methyl phenol			Not detected	10	Not detected	10
4-Chloroaniline			Not detected	10	Not detected	10
4-Chlorophenyl phenyl ether			Not detected	10	Not detected	10
4-Methylphenol			Not detected	10	Not detected	10
4-Nitroaniline			Not detected	50	Not detected	50
4-Nitrophenol			Not detected	50	Not detected	50
Acenaphthene			Not detected	10	Not detected	10
Acenaphthylene			Not detected	10	Not detected	10
Anthracene			Not detected	10	Not detected	10
Benzo(a)anthracene			Not detected	10	Not detected	10
Benzo(a)pyrene			Not detected	10	Not detected	10
Benzo(b)fluoranthene			Not detected	10	Not detected	10
Benzo(g,h,i)perylene			Not detected	10	Not detected	10
Benzo(k)fluoranthene			Not detected	10	Not detected	10
Benzyl alcohol			Not detected	10	Not detected	10
Bis(2-chloroethoxy)methane			Not detected	10	Not detected	10
Bis(2-chloroethyl)ether			Not detected	10	Not detected	10
Bis(2-chloroisopropyl)ether			Not detected	10	Not detected	10
Bis(2-ethylhexyl)phthalate			Not detected	10	Not detected	10
Butyl benzyl phthalate			Not detected	10	Not detected	10
Chrysene			Not detected	10	Not detected	10
Dibenz(a,h)anthracene			Not detected	10	Not detected	10
Dibenzofuran			Not detected	10	Not detected	10
Diethylphthalate			Not detected	10	Not detected	10
Dimethylphthalate			Not detected	10	Not detected	10
Di-n-butylphthalate			Not detected	10	Not detected	10
Di-n-octylphthalate			Not detected	10	Not detected	10
Fluoranthene			Not detected	10	Not detected	10
Fluorene			Not detected	10	Not detected	10
Hexachlorobenzene			Not detected	10	Not detected	10
Hexachlorobutadiene			Not detected	10	Not detected	10
Hexachlorocyclopentadiene			Not detected	10	Not detected	10
Hexachloroethane			Not detected	10	Not detected	10
Indeno(1,2,3-cd)pyrene			Not detected	10	Not detected	10
Isophorone			Not detected	10	Not detected	10
Naphthalene			Not detected	10	Not detected	10
Nitrobenzene			Not detected	10	Not detected	10
N-Nitrosodi-n-propylamine			Not detected	10	Not detected	10
N-Nitrosodiphenylamine			Not detected	10	Not detected	10

000018 YORK

Client Sample ID			MW-4B		MW-4C	
York Sample ID			01040168-11		01040168-12	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Pentachlorophenol			Not detected	50	Not detected	50
Phenanthrene			Not detected	10	Not detected	10
Phenol			Not detected	10	Not detected	10
Pyrene			Not detected	10	Not detected	10

Client Sample ID			Field Blank		Trip Blank	
York Sample ID			01040168-13		01040168-14	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles-8260 list	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,1-Trichloroethane			Not detected	1	Not detected	1
1,1,2,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,2-Trichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethylene			Not detected	1	Not detected	1
1,1-Dichloropropylene			Not detected	1	Not detected	1
1,2,3-Trichlorobenzene			Not detected	1	Not detected	1
1,2,3-Trichloropropane			Not detected	1	Not detected	1
1,2,3-Trimethylbenzene			Not detected	1	Not detected	1
1,2,4-Trichlorobenzene			Not detected	1	Not detected	1
1,2,4-Trimethylbenzene			Not detected	1	Not detected	1
1,2-Dibromo-3-chloropropane			Not detected	1	Not detected	1
1,2-Dibromoethane			Not detected	1	Not detected	1
1,2-Dichlorobenzene			Not detected	1	Not detected	1
1,2-Dichloroethane			Not detected	1	Not detected	1
1,2-Dichloroethylene (Total)			Not detected	1	Not detected	1
1,2-Dichloropropane			Not detected	1	Not detected	1
1,3,5-Trimethylbenzene			Not detected	1	Not detected	1
1,3-Dichlorobenzene			Not detected	1	Not detected	1
1,3-Dichloropropane			Not detected	1	Not detected	1
1,4-Dichlorobenzene			Not detected	1	Not detected	1
1-Chlorohexane			Not detected	1	Not detected	1
2,2-Dichloropropane			Not detected	1	Not detected	1
2-Chlorotoluene			Not detected	1	Not detected	1
4-Chlorotoluene			Not detected	1	Not detected	1
Benzene			Not detected	1	Not detected	1
Bromobenzene			Not detected	1	Not detected	1
Bromochloromethane			Not detected	1	Not detected	1
Bromodichloromethane			Not detected	1	Not detected	1
Bromoform			Not detected	1	Not detected	1
Bromomethane			Not detected	1	Not detected	1
Carbon tetrachloride			Not detected	1	Not detected	1
Chlorobenzene			Not detected	1	Not detected	1
Chloroethane			Not detected	1	Not detected	1
Chloroform			Not detected	1	Not detected	1
Chloromethane			Not detected	1	Not detected	1
cis-1,3-Dichloropropylene			Not detected	1	Not detected	1
Dibromochloromethane			Not detected	1	Not detected	1

000019

YORK

Client Sample ID			Field Blank		Trip Blank	
York Sample ID			01040168-13		01040168-14	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Dibromomethane			Not detected	1	Not detected	1
Dichlorodifluoromethane			Not detected	1	Not detected	1
Ethylbenzene			Not detected	1	Not detected	1
Hexachlorobutadiene			Not detected	1	Not detected	1
Isopropylbenzene			Not detected	1	Not detected	1
Methylene chloride			9 B	1	Not detected	1
Naphthalene			Not detected	1	Not detected	1
n-Butylbenzene			Not detected	1	Not detected	1
n-Propylbenzene			Not detected	1	Not detected	1
o-Xylene			Not detected	1	Not detected	1
p- & m-Xylenes			Not detected	1	Not detected	1
p-Isopropyltoluene			Not detected	1	Not detected	1
sec-Butylbenzene			Not detected	1	Not detected	1
Styrene			Not detected	1	Not detected	1
tert-Butylbenzene			Not detected	1	Not detected	1
Tetrachloroethylene			Not detected	1	Not detected	1
Toluene			Not detected	1	Not detected	1
trans-1,3-Dichloropropylene			Not detected	1	Not detected	1
Trichloroethylene			Not detected	1	Not detected	1
Trichlorofluoromethane			Not detected	1	Not detected	1
Vinyl chloride			Not detected	1	Not detected	1
BNA-8270 List water	SW846-8270	ug/L	---	---	---	---
1,2,4-Trichlorobenzene			Not detected	10		
1,2-Dichlorobenzene			Not detected	10		
1,3-Dichlorobenzene			Not detected	10		
1,4-Dichlorobenzene			Not detected	10		
2,4,5-Trichlorophenol			Not detected	10		
2,4,6-Trichlorophenol			Not detected	10		
2,4-Dichlorophenol			Not detected	10		
2,4-Dimethylphenol			Not detected	10		
2,4-Dinitrophenol			Not detected	50		
2,4-Dinitrotoluene			Not detected	10		
2,6-Dinitrotoluene			Not detected	10		
2-Chloronaphthalene			Not detected	10		
2-Chlorophenol			Not detected	10		
2-Methylnaphthalene			Not detected	10		
2-Methylphenol			Not detected	10		
2-Nitroaniline			Not detected	50		
2-Nitrophenol			Not detected	10		
3,3'-Dichlorobenzidine			Not detected	10		
3-Nitroaniline			Not detected	50		
4,6-Dinitro-2-methylphenol			Not detected	50		
4-Bromophenyl phenyl ether			Not detected	10		
4-Chloro-3-methyl phenol			Not detected	10		
4-Chloroaniline			Not detected	10		
4-Chlorophenyl phenyl ether			Not detected	10		
4-Methylphenol			Not detected	10		
4-Nitroaniline			Not detected	50		
4-Nitrophenol			Not detected	50		
Acenaphthene			Not detected	10		
Acenaphthylene			Not detected	10		

000020

YORK

Client Sample ID			Field Blank		Trip Blank	
York Sample ID			01040168-13		01040168-14	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Anthracene			Not detected	10		
Benzo(a)anthracene			Not detected	10		
Benzo(a)pyrene			Not detected	10		
Benzo(b)fluoranthene			Not detected	10		
Benzo(g,h,i)perylene			Not detected	10		
Benzo(k)fluoranthene			Not detected	10		
Benzyl alcohol			Not detected	10		
Bis(2-chloroethoxy)methane			Not detected	10		
Bis(2-chloroethyl)ether			Not detected	10		
Bis(2-chloroisopropyl)ether			Not detected	10		
Bis(2-ethylhexyl)phthalate			Not detected	10		
Butyl benzyl phthalate			Not detected	10		
Chrysene			Not detected	10		
Dibenz(a,h)anthracene			Not detected	10		
Dibenzofuran			Not detected	10		
Diethylphthalate			Not detected	10		
Dimethylphthalate			Not detected	10		
Di-n-butylphthalate			Not detected	10		
Di-n-octylphthalate			Not detected	10		
Fluoranthene			Not detected	10		
Fluorene			Not detected	10		
Hexachlorobenzene			Not detected	10		
Hexachlorobutadiene			Not detected	10		
Hexachlorocyclopentadiene			Not detected	10		
Hexachloroethane			Not detected	10		
Indeno(1,2,3-cd)pyrene			Not detected	10		
Isophorone			Not detected	10		
Naphthalene			Not detected	10		
Nitrobenzene			Not detected	10		
N-Nitrosodi-n-propylamine			Not detected	10		
N-Nitrosodiphenylamine			Not detected	10		
Pentachlorophenol			Not detected	50		
Phenanthrene			Not detected	10		
Phenol			Not detected	10		
Pyrene			Not detected	10		

Client Sample ID			Drums(MW-2,3,4)		Drums(MW-1)	
York Sample ID			01040168-15		01040168-16	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles-8260 list	SW846-8260	ug/Kg	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	5.0	Not detected	5.0
1,1,1-Trichloroethane			Not detected	5.0	Not detected	5.0
1,1,2,2-Tetrachloroethane			Not detected	5.0	Not detected	5.0
1,1,2-Trichloroethane			Not detected	5.0	Not detected	5.0
1,1-Dichloroethane			Not detected	5.0	Not detected	5.0
1,1-Dichloroethylene			Not detected	5.0	Not detected	5.0
1,1-Dichloropropylene			Not detected	5.0	Not detected	5.0

000021

YORK

Client Sample ID			Drums(MW-2,3,4)		Drums(MW-1)	
York Sample ID			01040168-15		01040168-16	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
1,2,3-Trichlorobenzene			Not detected	5.0	Not detected	5.0
1,2,3-Trichloropropane			Not detected	5.0	Not detected	5.0
1,2,3-Trimethylbenzene			Not detected	5.0	Not detected	5.0
1,2,4-Trichlorobenzene			Not detected	5.0	Not detected	5.0
1,2,4-Trimethylbenzene			Not detected	5.0	Not detected	5.0
1,2-Dibromo-3-chloropropane			Not detected	5.0	Not detected	5.0
1,2-Dibromoethane			Not detected	5.0	Not detected	5.0
1,2-Dichlorobenzene			Not detected	5.0	Not detected	5.0
1,2-Dichloroethane			Not detected	5.0	Not detected	5.0
1,2-Dichloroethylene (Total)			Not detected	5.0	Not detected	5.0
1,2-Dichloropropane			Not detected	5.0	Not detected	5.0
1,3,5-Trimethylbenzene			Not detected	5.0	34	5.0
1,3-Dichlorobenzene			Not detected	5.0	Not detected	5.0
1,3-Dichloropropane			Not detected	5.0	Not detected	5.0
1,4-Dichlorobenzene			Not detected	5.0	Not detected	5.0
1-Chlorohexane			Not detected	5.0	Not detected	5.0
2,2-Dichloropropane			Not detected	5.0	Not detected	5.0
2-Chlorotoluene			Not detected	5.0	Not detected	5.0
4-Chlorotoluene			Not detected	5.0	Not detected	5.0
Benzene			Not detected	5.0	Not detected	5.0
Bromobenzene			Not detected	5.0	Not detected	5.0
Bromochloromethane			Not detected	50	Not detected	50
Bromodichloromethane			Not detected	50	Not detected	50
Bromoform			Not detected	5.0	Not detected	5.0
Bromomethane			Not detected	50	Not detected	50
Carbon tetrachloride			Not detected	5.0	Not detected	5.0
Chlorobenzene			Not detected	5.0	Not detected	5.0
Chloroethane			Not detected	5.0	Not detected	5.0
Chloroform			Not detected	50	Not detected	50
Chloromethane			Not detected	50	Not detected	50
cis-1,3-Dichloropropylene			Not detected	5.0	Not detected	5.0
Dibromochloromethane			Not detected	5.0	Not detected	5.0
Dibromomethane			Not detected	5.0	Not detected	5.0
Dichlorodifluoromethane			Not detected	5.0	Not detected	5.0
Ethylbenzene			Not detected	5.0	Not detected	5.0
Hexachlorobutadiene			Not detected	5.0	Not detected	5.0
Isopropylbenzene			Not detected	5.0	Not detected	5.0
Methylene chloride			48 B	5.0	49 B	5.0
Naphthalene			Not detected	5.0	Not detected	5.0
n-Butylbenzene			Not detected	5.0	Not detected	5.0
n-Propylbenzene			Not detected	5.0	Not detected	5.0
o-Xylene			11	5.0	13	5.0
p- & m-Xylenes			9	5.0	Not detected	5.0
p-Isopropyltoluene			Not detected	5.0	7	5.0
sec-Butylbenzene			Not detected	5.0	Not detected	5.0
Styrene			Not detected	5.0	Not detected	5.0
tert-Butylbenzene			Not detected	5.0	Not detected	5.0
Tetrachloroethylene			Not detected	5.0	190	5.0
Toluene			37	5.0	10	5.0
trans-1,3-Dichloropropylene			Not detected	5.0	Not detected	5.0

000022

YORK

Client Sample ID			Drums(MW-2,3,4)		Drums(MW-1)	
York Sample ID			01040168-15		01040168-16	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Trichloroethylene			Not detected	5.0	42	5.0
Trichlorofluoromethane			Not detected	5.0	Not detected	5.0
Vinyl chloride			Not detected	50	Not detected	50
BNA-8270 List soil	SW846-8270	ug/Kg	---	---	---	---
1,2,4-Trichlorobenzene			Not detected	330	Not detected	330
1,2-Dichlorobenzene			Not detected	330	Not detected	330
1,3-Dichlorobenzene			Not detected	330	Not detected	330
1,4-Dichlorobenzene			Not detected	330	Not detected	330
2,4,5-Trichlorophenol			Not detected	330	Not detected	330
2,4,6-Trichlorophenol			Not detected	330	Not detected	330
2,4-Dichlorophenol			Not detected	330	Not detected	330
2,4-Dimethylphenol			Not detected	330	Not detected	330
2,4-Dinitrophenol			Not detected	1700	Not detected	1700
2,4-Dinitrotoluene			Not detected	330	Not detected	330
2,6-Dinitrotoluene			Not detected	330	Not detected	330
2-Chloronaphthalene			Not detected	330	Not detected	330
2-Chlorophenol			Not detected	330	Not detected	330
2-Methylnaphthalene			Not detected	330	Not detected	330
2-Methylphenol			Not detected	330	Not detected	330
2-Nitroaniline			Not detected	1700	Not detected	1700
2-Nitrophenol			Not detected	330	Not detected	330
3,3'-Dichlorobenzidine			Not detected	330	Not detected	330
3-Nitroaniline			Not detected	1700	Not detected	1700
4,6-Dinitro-2-methylphenol			Not detected	1700	Not detected	1700
4-Bromophenyl phenyl ether			Not detected	330	Not detected	330
4-Chloro-3-methyl phenol			Not detected	330	Not detected	330
4-Chloroaniline			Not detected	330	Not detected	330
4-Chlorophenyl phenyl ether			Not detected	330	Not detected	330
4-Methylphenol			Not detected	330	Not detected	330
4-Nitroaniline			Not detected	1700	Not detected	1700
4-Nitrophenol			Not detected	1700	Not detected	1700
Acenaphthene			Not detected	330	Not detected	330
Acenaphthylene			Not detected	330	Not detected	330
Anthracene			Not detected	330	Not detected	330
Benzo(a)anthracene			Not detected	330	56 J	330
Benzo(a)pyrene			Not detected	330	90 J	330
Benzo(b)fluoranthene			Not detected	330	Not detected	330
Benzo(g,h,i)perylene			Not detected	330	Not detected	330
Benzo(k)fluoranthene			Not detected	330	Not detected	330
Benzyl alcohol			Not detected	330	Not detected	330
Bis(2-chloroethoxy)methane			Not detected	330	Not detected	330
Bis(2-chloroethyl)ether			Not detected	330	Not detected	330
Bis(2-chloroisopropyl)ether			Not detected	330	Not detected	330
Bis(2-ethylhexyl)phthalate			Not detected	330	Not detected	330
Butyl benzyl phthalate			Not detected	330	Not detected	330
Chrysene			Not detected	330	73 J	330
Dibenz(a,h)anthracene			Not detected	330	Not detected	330
Dibenzofuran			Not detected	330	Not detected	330
Diethylphthalate			Not detected	330	Not detected	330
Dimethylphthalate			Not detected	330	Not detected	330
Di-n-butylphthalate			Not detected	330	Not detected	330

000023

YORK

Client Sample ID			Drums(MW-2,3,4)		Drums(MW-1)	
York Sample ID			01040168-15		01040168-16	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Di-n-octylphthalate			Not detected	330	Not detected	330
Fluoranthene			Not detected	330	200 J	330
Fluorene			Not detected	330	Not detected	330
Hexachlorobenzene			Not detected	330	Not detected	330
Hexachlorobutadiene			Not detected	330	Not detected	330
Hexachlorocyclopentadiene			Not detected	330	Not detected	330
Hexachloroethane			Not detected	330	Not detected	330
Indeno(1,2,3-cd)pyrene			Not detected	330	Not detected	330
Isophorone			Not detected	330	Not detected	330
Naphthalene			Not detected	330	Not detected	330
Nitrobenzene			Not detected	330	Not detected	330
N-Nitrosodi-n-propylamine			Not detected	330	Not detected	330
N-Nitrosodiphenylamine			Not detected	330	Not detected	330
Pentachlorophenol			Not detected	1700	Not detected	1700
Phenanthrene			Not detected	330	130 J	330
Phenol			Not detected	330	Not detected	330
Pyrene			Not detected	330	160 J	330
PCB	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.024	Not detected	0.024
PCB 1221			Not detected	0.024	Not detected	0.024
PCB 1232			Not detected	0.024	Not detected	0.024
PCB 1242			Not detected	0.024	Not detected	0.024
PCB 1248			Not detected	0.024	Not detected	0.024
PCB 1254			Not detected	0.024	Not detected	0.024
PCB 1260			Not detected	0.024	Not detected	0.024
PCB, Total			Not detected	0.024	Not detected	0.024
Total RCRA Metals	SW846	mg/kG	---	---	---	---
Arsenic, total			3.37	1.00	3.46	1.00
Barium, total			97.1	0.50	83.3	0.50
Cadmium, total			Not detected	0.50	Not detected	0.50
Chromium, total			14.6	0.50	17.8	0.50
Lead, total			9.96	0.50	7.54	0.50
Selenium, total			2.92	1.00	2.19	1.00
Silver, total			Not detected	0.50	Not detected	0.50
Mercury	SW846-7471	mg/kG	Not detected	0.25	Not detected	0.25
Flash Point	EPA 1010M	Degrees F	>200	---	>200	---
Ignitability	SW846-1030P	---	Does not ignite	---	Does not ignite	---
pH	EPA 150.1	units	9.54	---	9.30	---
Total Petroleum Hydrocarbons-DRO	SW846-8015B	mg/kg	Not detected	12	Not detected	12

Units Key:

For Waters/Liquids: mg/L = ppm ; ug/L = ppb

For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

000024

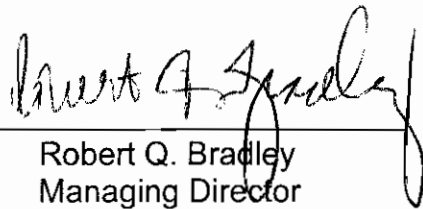
YORK

Report Date: 4/20/2001
Client Project ID: Deluxe
York Project No.: 01040168

Notes for York Project No. 01040168

1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation.
6. All analyses conducted met method or Laboratory SOP requirements.
7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By: _____


Robert Q. Bradley
Managing Director

Date: 4/20/2001

000025

YORK

CHAIN OF CUSTODY DOCUMENTATION

000026

YORK

Field Chain-of-Custody Record

(914) 694-5711

Company Name LBG 110 Corporate Park Dr White Plains, NY 10604	Report To: JONHA WEBER	Invoice To: same	Project ID/No. DeLuxe LIVER POOL, NY	Samples Collected By (Signature) <i>Paul Woodell / Zach Miller</i>	Name (Printed) Paul Woodell / Zach Miller

Sample No.	Location/ID	Date Sampled	Sample Matrix			ANALYSES REQUESTED	Container Description(s)
			Water	Soil	OTHER		
	MW-1A	4/5/01 1200	GW			8260, 8270	(2) VOA (1) 12 Amber
	MW-1B	4/5/01 1205	GW				
	MW-1C	4/5/01 1200	GW				
	MW-2A	4/4/01 1630	GW				
	MW-2B	4/4/01 1620	GW				
	MW-2C	4/4/01 1600	GW				
	MW-3A	4/4/01 1345	GW				
	MW-3B	4/4/01 1330	GW				
	MW-3C	4/4/01 1320	GW				
00027	MW-4A	4/4/01 1310	GW				

Chain-of-Custody Record		Sample Relinquished by <i>Paul Woodell</i> 4/5/01 1500		Sample Received by <i>J. H. ...</i> 4-6-01 1100	
Bottles Relinquished from Lab by	Date/Time	Sample Relinquished by	Date/Time	Sample Received in LAB by	Date/Time
Bottles Received in Field by	Date/Time	Sample Relinquished by	Date/Time	Sample Received in LAB by	Date/Time
Comments/Special Instructions Please provide NYSDCL ASP Category B deliverables				Turn-Around Time	
<i>Cu/en Sample Temp. = 2.6 °C</i>				☒ Standard ☐ RUSH(define)	

01040168

YORK
ANALYTICAL LABORATORIES, INC.
ONE RESEARCH DRIVE
STAMFORD, CT 06906
(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record

(914) 6945711

Company Name LBG 110 Corporate Park Dr White Plains NY	Report To: Torma Weber	Invoice To: Same	Project ID/No. DeLuxe LIVERPOOL, NY	Samples Collected By (Signature) Paul Woodell	Name (Printed) Paul Woodell

Sample No.	Location/ID	Date Sampled	Sample Matrix			ANALYSES REQUESTED	Container Description(s)
			Water	Soil	Air OTHER		
	MW-4B	4/4/01 1300	GW			8260, 8270 ↓	(2) VOA (1) Lamber
	MW-4C	4/4/01 1245	GW			↓	↓
	FIELD BLANK	4/5/01 1345	DI H ₂ O			8260, 8270	↓
	TRIP BLANK	—	DI H ₂ O			8260	(2) VOA
	DRUMS (HW-2,3,4)	4/5/01 0845		✓		8260, 8270, Total PCRA metals PCBs, B015 PRO, corrosivity, ignitability, flash pt.	(1) 603 glass (1) 803 glass
	DRUMS (HW-1)	4/4/01 1700		✓		↓	↓

Chain-of-Custody Record

Bottles Relinquished from Lab by	Date/Time	Sample Received by	Date/Time
Paul Woodell	4/5/01 1500	J. [Signature]	4-6-01/1100
Bottles Received in Field by	Date/Time	Sample Received in LAB by	Date/Time

Comments/Special Instructions Please provide NYSDoc ASP Category B deliverables
No 8270 Trip blank Cullen Sample Temp. = 2.6°C
X Standard RUSH(define)

APPENDIX A
LABORATORY RAW DATA
AND NARRATIVE

000029

YORK

YORK
Case Narrative
York SDG No. 01040168

Introduction

Fourteen water samples and two soil samples were received on April 6, 2001. All samples were received intact in custody-sealed coolers. Upon receipt, the temperature of the coolers was determined. The cooler temperatures were 2.6 °C at time of receipt as measured by a NIST traceable digital infrared thermometer. Chain-of-custody was maintained from receipt through analysis in the laboratory.

Methodology

The client requested analysis of the water samples for Volatile organics and Base-Neutral/Acid extractables. All preparation and analyses were conducted according to the SW-846 methods or EPA methods as detailed in the following table.

<u>Parameter</u>	<u>Preparative Method</u>	<u>Analysis Method</u>
Volatiles, targets	NA	8260
BNA, targets	3510C	8270

Preparation/Analysis

Volatiles

No problems were encountered during analysis of these samples, except for dilutions necessary due to levels of targets compounds encountered. All internal standard areas, surrogates recoveries and matrix spike/duplicate recoveries met laboratory control limits.

All blanks met method criteria. All data, where applicable, are suffixed with appropriate flags (e.g. J, B).

Semi-Volatiles

No problems were encountered during preparation and analysis of these samples. All internal standard areas, surrogates recoveries and matrix spike/duplicate recoveries met laboratory control limits.

SDG 01040168 Statement

We certify that these data are in compliance with the requirements as defined in our contract both technically and for completeness for other than the conditions stated above. Release of the data contained in the hard copy report has been authorized by the Laboratory Manager as verified by the following signature.

Approved by: _____

Robert Q. Bradley
Managing Director

Date: August 23, 2001

000030

YORK

ANALYTICAL LABORATORIES, INC.

Form 1**Volatile Organics Analysis Data Sheet-EPA 8260 List**

Client Sample ID

MW-1A

Sample Amount: Soil=1.0g/Water=5.0ml Date Collected: 4/5/01 Sample Type: **WATER**
 Matrix: WATER Date Received: 4/6/01 SDG: 01040168-01
 Additional Dilution: 1.0 Date Analyzed: 4/20/01 Lab ID: 01040168-01
 GC Column: DB-624, 50 m, 0.32mm id Level: **LOW** Lab File ID:
 Dilution Factor: **1**

CONCENTRATION
UNITS: ug/L

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
MW-1A	01040168-01	Benzene	1 U
MW-1A	01040168-01	Bromobenzene	1 U
MW-1A	01040168-01	Bromochloromethane	1 U
MW-1A	01040168-01	Bromodichloromethane	1 U
MW-1A	01040168-01	Bromoform	1 U
MW-1A	01040168-01	Bromomethane	1 U
MW-1A	01040168-01	n-Butylbenzene	1 U
MW-1A	01040168-01	sec-Butylbenzene	2
MW-1A	01040168-01	tert-Butylbenzene	3
MW-1A	01040168-01	Carbon tetrachloride	1 U
MW-1A	01040168-01	Chlorobenzene	1 U
MW-1A	01040168-01	Chloroethane	1 U
MW-1A	01040168-01	Chloroform	1 U
MW-1A	01040168-01	1-Chlorohexane	1 U
MW-1A	01040168-01	Chloromethane	1 U
MW-1A	01040168-01	2-Chlorotoluene	1 U
MW-1A	01040168-01	4-Chlorotoluene	1 U
MW-1A	01040168-01	Dibromochloromethane	1 U
MW-1A	01040168-01	1,2-Dibromo-3-chloropropane	1 U
MW-1A	01040168-01	1,2-Dibromoethane	1 U
MW-1A	01040168-01	Dibromomethane	1 U
MW-1A	01040168-01	1,2-Dichlorobenzene	1 U
MW-1A	01040168-01	1,3-Dichlorobenzene	1 U
MW-1A	01040168-01	1,4-Dichlorobenzene	1 U
MW-1A	01040168-01	Dichlorodifluoromethane	1 U
MW-1A	01040168-01	1,1-Dichloroethane	2
MW-1A	01040168-01	1,2-Dichloroethane	1 U
MW-1A	01040168-01	1,1-Dichloroethylene	6
MW-1A	01040168-01	1,2-Dichloroethylene (Total)	75(c-) 2(t-)

000031

MW-1A	01040168-01	1,2-Dichloropropane	1 U
MW-1A	01040168-01	1,3-Dichloropropane	1 U
MW-1A	01040168-01	2,2-Dichloropropane	1 U
MW-1A	01040168-01	1,1-Dichloropropylene	1 U
MW-1A	01040168-01	cis-1,3-Dichloropropylene	1 U
MW-1A	01040168-01	trans-1,3-Dichloropropylene	1 U
MW-1A	01040168-01	Ethylbenzene	2
MW-1A	01040168-01	Hexachlorobutadiene	1 U
MW-1A	01040168-01	Isopropylbenzene	2
MW-1A	01040168-01	p-Isopropyltoluene	1 U
MW-1A	01040168-01	Methylene chloride	1 U
MW-1A	01040168-01	Naphthalene	1 U
MW-1A	01040168-01	n-Propylbenzene	1 U
MW-1A	01040168-01	Styrene	1 U
MW-1A	01040168-01	1,1,1,2-Tetrachloroethane	1 U
MW-1A	01040168-01	1,1,2,2-Tetrachloroethane	1 U
MW-1A	01040168-01	Tetrachloroethylene	730
MW-1A	01040168-01	Toluene	1 U
MW-1A	01040168-01	1,2,3-Trichlorobenzene	1 U
MW-1A	01040168-01	1,2,4-Trichlorobenzene	1 U
MW-1A	01040168-01	1,1,1-Trichloroethane	2
MW-1A	01040168-01	1,1,2-Trichloroethane	1 U
MW-1A	01040168-01	Trichloroethylene	300
MW-1A	01040168-01	Trichlorofluoromethane	1 U
MW-1A	01040168-01	1,2,3-Trichloropropane	1 U
MW-1A	01040168-01	1,2,3-Trimethylbenzene	1 U
MW-1A	01040168-01	1,2,4-Trimethylbenzene	45
MW-1A	01040168-01	1,3,5-Trimethylbenzene	14
MW-1A	01040168-01	Vinyl chloride	23
MW-1A	01040168-01	o-Xylene	2
MW-1A	01040168-01	p- & m-Xylenes	1

YORK

ANALYTICAL LABORATORIES, INC.

Form 1**Volatile Organics Analysis Data Sheet-EPA 8260 List**

Client Sample ID

MW-1B

Sample Amount: Soil=1.0g/Water=5.0ml Date Collected: 4/5/01 Sample Type: **WATER**
 Matrix: WATER Date Received: 4/6/01 SDG: 01040168-02
 Additional Dilution 1.0 Date Analyzed: 4/20/01 Lab ID: 01040168-02
 GC Column: DB-624, 50 m, 0.32mm id Level: **LOW** Lab File ID:
 Dilution Factor: 1

 CONCENTRATION
 UNITS: ug/L

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
MW-1B	01040168-02	Benzene	1 U
MW-1B	01040168-02	Bromobenzene	1 U
MW-1B	01040168-02	Bromochloromethane	1 U
MW-1B	01040168-02	Bromodichloromethane	1 U
MW-1B	01040168-02	Bromoform	1 U
MW-1B	01040168-02	Bromomethane	1 U
MW-1B	01040168-02	n-Butylbenzene	1 U
MW-1B	01040168-02	sec-Butylbenzene	1 U
MW-1B	01040168-02	tert-Butylbenzene	1 U
MW-1B	01040168-02	Carbon tetrachloride	1 U
MW-1B	01040168-02	Chlorobenzene	1 U
MW-1B	01040168-02	Chloroethane	1 U
MW-1B	01040168-02	Chloroform	1 U
MW-1B	01040168-02	1-Chlorohexane	1 U
MW-1B	01040168-02	Chloromethane	1 U
MW-1B	01040168-02	2-Chlorotoluene	1 U
MW-1B	01040168-02	4-Chlorotoluene	1 U
MW-1B	01040168-02	Dibromochloromethane	1 U
MW-1B	01040168-02	1,2-Dibromo-3-chloropropane	1 U
MW-1B	01040168-02	1,2-Dibromoethane	1 U
MW-1B	01040168-02	Dibromomethane	1 U
MW-1B	01040168-02	1,2-Dichlorobenzene	1 U
MW-1B	01040168-02	1,3-Dichlorobenzene	1 U
MW-1B	01040168-02	1,4-Dichlorobenzene	1 U
MW-1B	01040168-02	Dichlorodifluoromethane	1 U
MW-1B	01040168-02	1,1-Dichloroethane	1
MW-1B	01040168-02	1,2-Dichloroethane	1 U
MW-1B	01040168-02	1,1-Dichloroethylene	7
MW-1B	01040168-02	1,2-Dichloroethylene (Total)	70(c-) 2(-)

000033

MW-1B	01040168-02	1,2-Dichloropropane	1 U
MW-1B	01040168-02	1,3-Dichloropropane	1 U
MW-1B	01040168-02	2,2-Dichloropropane	1 U
MW-1B	01040168-02	1,1-Dichloropropylene	1 U
MW-1B	01040168-02	cis-1,3-Dichloropropylene	1 U
MW-1B	01040168-02	trans-1,3-Dichloropropylene	1 U
MW-1B	01040168-02	Ethylbenzene	2
MW-1B	01040168-02	Hexachlorobutadiene	1 U
MW-1B	01040168-02	Isopropylbenzene	1
MW-1B	01040168-02	p-Isopropyltoluene	1 U
MW-1B	01040168-02	Methylene chloride	1 U
MW-1B	01040168-02	Naphthalene	1 U
MW-1B	01040168-02	n-Propylbenzene	1 U
MW-1B	01040168-02	Styrene	1 U
MW-1B	01040168-02	1,1,1,2-Tetrachloroethane	1 U
MW-1B	01040168-02	1,1,2,2-Tetrachloroethane	1 U
MW-1B	01040168-02	Tetrachloroethylene	670
MW-1B	01040168-02	Toluene	1 U
MW-1B	01040168-02	1,2,3-Trichlorobenzene	1 U
MW-1B	01040168-02	1,2,4-Trichlorobenzene	1 U
MW-1B	01040168-02	1,1,1-Trichloroethane	27
MW-1B	01040168-02	1,1,2-Trichloroethane	1 U
MW-1B	01040168-02	Trichloroethylene	290
MW-1B	01040168-02	Trichlorofluoromethane	1 U
MW-1B	01040168-02	1,2,3-Trichloropropane	1 U
MW-1B	01040168-02	1,2,3-Trimethylbenzene	1 U
MW-1B	01040168-02	1,2,4-Trimethylbenzene	34
MW-1B	01040168-02	1,3,5-Trimethylbenzene	11
MW-1B	01040168-02	Vinyl chloride	20
MW-1B	01040168-02	o-Xylene	1 U
MW-1B	01040168-02	p- & m-Xylenes	1

YORK

ANALYTICAL LABORATORIES, INC.

Form 1**Volatile Organics Analysis Data Sheet-EPA 8260 List**

Client Sample ID

MW-1CSample Amount: Soil=1.0g/Water=5.0mlDate Collected: 4/5/01Sample Type: **WATER**Matrix: WATERDate Received: 4/6/01SDG: 01040168-03Additional Dilution: 1.0Date Analyzed: 4/20/01Lab ID: 01040168-03GC Column: DB-624, 50 m, 0.32mm idLevel: LOWLab File ID: Dilution Factor: 1CONCENTRATION
UNITS: **ug/L**

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
MW-1C	01040168-03	Benzene	1 U
MW-1C	01040168-03	Bromobenzene	1 U
MW-1C	01040168-03	Bromochloromethane	1 U
MW-1C	01040168-03	Bromodichloromethane	1 U
MW-1C	01040168-03	Bromoform	1 U
MW-1C	01040168-03	Bromomethane	1 U
MW-1C	01040168-03	n-Butylbenzene	1 U
MW-1C	01040168-03	sec-Butylbenzene	1 U
MW-1C	01040168-03	tert-Butylbenzene	1 U
MW-1C	01040168-03	Carbon tetrachloride	1 U
MW-1C	01040168-03	Chlorobenzene	1 U
MW-1C	01040168-03	Chloroethane	1 U
MW-1C	01040168-03	Chloroform	1 U
MW-1C	01040168-03	1-Chlorohexane	1 U
MW-1C	01040168-03	Chloromethane	1 U
MW-1C	01040168-03	2-Chlorotoluene	1 U
MW-1C	01040168-03	4-Chlorotoluene	1 U
MW-1C	01040168-03	Dibromochloromethane	1 U
MW-1C	01040168-03	1,2-Dibromo-3-chloropropane	1 U
MW-1C	01040168-03	1,2-Dibromoethane	1 U
MW-1C	01040168-03	Dibromomethane	1 U
MW-1C	01040168-03	1,2-Dichlorobenzene	1 U
MW-1C	01040168-03	1,3-Dichlorobenzene	1 U
MW-1C	01040168-03	1,4-Dichlorobenzene	1 U
MW-1C	01040168-03	Dichlorodifluoromethane	1 U
MW-1C	01040168-03	1,1-Dichloroethane	1 U
MW-1C	01040168-03	1,2-Dichloroethane	1 U
MW-1C	01040168-03	1,1-Dichloroethylene	1 U
MW-1C	01040168-03	1,2-Dichloroethylene (Total)	3 (cis-)

000035

MW-1C	01040168-03	1,2-Dichloropropane	1 U
MW-1C	01040168-03	1,3-Dichloropropane	1 U
MW-1C	01040168-03	2,2-Dichloropropane	1 U
MW-1C	01040168-03	1,1-Dichloropropylene	1 U
MW-1C	01040168-03	cis-1,3-Dichloropropylene	1 U
MW-1C	01040168-03	trans-1,3-Dichloropropylene	1 U
MW-1C	01040168-03	Ethylbenzene	1 U
MW-1C	01040168-03	Hexachlorobutadiene	1 U
MW-1C	01040168-03	Isopropylbenzene	1 U
MW-1C	01040168-03	p-Isopropyltoluene	1 U
MW-1C	01040168-03	Methylene chloride	1 U
MW-1C	01040168-03	Naphthalene	1 U
MW-1C	01040168-03	n-Propylbenzene	1 U
MW-1C	01040168-03	Styrene	1 U
MW-1C	01040168-03	1,1,1,2-Tetrachloroethane	1 U
MW-1C	01040168-03	1,1,2,2-Tetrachloroethane	1 U
MW-1C	01040168-03	Tetrachloroethylene	44
MW-1C	01040168-03	Toluene	1 U
MW-1C	01040168-03	1,2,3-Trichlorobenzene	1 U
MW-1C	01040168-03	1,2,4-Trichlorobenzene	1 U
MW-1C	01040168-03	1,1,1-Trichloroethane	5
MW-1C	01040168-03	1,1,2-Trichloroethane	1 U
MW-1C	01040168-03	Trichloroethylene	9
MW-1C	01040168-03	Trichlorofluoromethane	1 U
MW-1C	01040168-03	1,2,3-Trichloropropane	1 U
MW-1C	01040168-03	1,2,3-Trimethylbenzene	1 U
MW-1C	01040168-03	1,2,4-Trimethylbenzene	1 U
MW-1C	01040168-03	1,3,5-Trimethylbenzene	1 U
MW-1C	01040168-03	Vinyl chloride	1 U
MW-1C	01040168-03	o-Xylene	1 U
MW-1C	01040168-03	p- & m-Xylenes	1 U

Client Sample ID

MW-2A

Sample Amount: Soil=1.0g/Water=5.0ml

Date Collected: 4/4/01

Sample Type: WATER

Matrix: WATER

Date Received: 4/6/01

SDG: 01040168-04

Additional Dilution: 1.0

Date Analyzed: 4/20/01

Lab ID: 01040168-04

GC Column: DB-624, 50 m, 0.32mm id

Level: LOW

Lab File ID:

Dilution Factor: 1

CONCENTRATION
UNITS: ug/L

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
MW-2A	01040168-04	Benzene	1 U
MW-2A	01040168-04	Bromobenzene	1 U
MW-2A	01040168-04	Bromochloromethane	1 U
MW-2A	01040168-04	Bromodichloromethane	1 U
MW-2A	01040168-04	Bromoform	1 U
MW-2A	01040168-04	Bromomethane	1 U
MW-2A	01040168-04	n-Butylbenzene	1 U
MW-2A	01040168-04	sec-Butylbenzene	1 U
MW-2A	01040168-04	tert-Butylbenzene	1 U
MW-2A	01040168-04	Carbon tetrachloride	1 U
MW-2A	01040168-04	Chlorobenzene	1 U
MW-2A	01040168-04	Chloroethane	1 U
MW-2A	01040168-04	Chloroform	1 U
MW-2A	01040168-04	1-Chlorohexane	1 U
MW-2A	01040168-04	Chloromethane	1 U
MW-2A	01040168-04	2-Chlorotoluene	1 U
MW-2A	01040168-04	4-Chlorotoluene	1 U
MW-2A	01040168-04	Dibromochloromethane	1 U
MW-2A	01040168-04	1,2-Dibromo-3-chloropropane	1 U
MW-2A	01040168-04	1,2-Dibromoethane	1 U
MW-2A	01040168-04	Dibromomethane	1 U
MW-2A	01040168-04	1,2-Dichlorobenzene	1 U
MW-2A	01040168-04	1,3-Dichlorobenzene	1 U
MW-2A	01040168-04	1,4-Dichlorobenzene	1 U
MW-2A	01040168-04	Dichlorodifluoromethane	1 U
MW-2A	01040168-04	1,1-Dichloroethane	1 U
MW-2A	01040168-04	1,2-Dichloroethane	1 U
MW-2A	01040168-04	1,1-Dichloroethylene	1 U
MW-2A	01040168-04	1,2-Dichloroethylene (Total)	1 U

000037

MW-2A	01040168-04	1,2-Dichloropropane	1 U
MW-2A	01040168-04	1,3-Dichloropropane	1 U
MW-2A	01040168-04	2,2-Dichloropropane	1 U
MW-2A	01040168-04	1,1-Dichloropropylene	1 U
MW-2A	01040168-04	cis-1,3-Dichloropropylene	1 U
MW-2A	01040168-04	trans-1,3-Dichloropropylene	1 U
MW-2A	01040168-04	Ethylbenzene	1 U
MW-2A	01040168-04	Hexachlorobutadiene	1 U
MW-2A	01040168-04	Isopropylbenzene	1 U
MW-2A	01040168-04	p-Isopropyltoluene	1 U
MW-2A	01040168-04	Methylene chloride	1 U
MW-2A	01040168-04	Naphthalene	1 U
MW-2A	01040168-04	n-Propylbenzene	1 U
MW-2A	01040168-04	Styrene	1 U
MW-2A	01040168-04	1,1,1,2-Tetrachloroethane	1 U
MW-2A	01040168-04	1,1,2,2-Tetrachloroethane	1 U
MW-2A	01040168-04	Tetrachloroethylene	1 U
MW-2A	01040168-04	Toluene	1 U
MW-2A	01040168-04	1,2,3-Trichlorobenzene	1 U
MW-2A	01040168-04	1,2,4-Trichlorobenzene	1 U
MW-2A	01040168-04	1,1,1-Trichloroethane	1 U
MW-2A	01040168-04	1,1,2-Trichloroethane	1 U
MW-2A	01040168-04	Trichloroethylene	1 U
MW-2A	01040168-04	Trichlorofluoromethane	1 U
MW-2A	01040168-04	1,2,3-Trichloropropane	1 U
MW-2A	01040168-04	1,2,3-Trimethylbenzene	1 U
MW-2A	01040168-04	1,2,4-Trimethylbenzene	1 U
MW-2A	01040168-04	1,3,5-Trimethylbenzene	1 U
MW-2A	01040168-04	Vinyl chloride	1 U
MW-2A	01040168-04	o-Xylene	1 U
MW-2A	01040168-04	p- & m-Xylenes	1 U

YORK

ANALYTICAL LABORATORIES, INC.

Form 1**Volatile Organics Analysis Data Sheet-EPA 8260 List**

Client Sample ID

MW-2B

Sample Amount: Soil=1.0g/Water=5.0ml Date Collected: 4/4/01 Sample Type: **WATER**
 Matrix: WATER Date Received: 4/6/01 SDG: 01040168-05
 Additional Dilution: 1.0 Date Analyzed: 4/20/01 Lab ID: 01040168-05
 GC Column: DB-624, 50 m, 0.32mm id Level: **LOW** Lab File ID: _____
 Dilution Factor: 1

 CONCENTRATION
 UNITS: **ug/L**

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
MW-2B	01040168-05	Benzene	1 U
MW-2B	01040168-05	Bromobenzene	1 U
MW-2B	01040168-05	Bromochloromethane	1 U
MW-2B	01040168-05	Bromodichloromethane	1 U
MW-2B	01040168-05	Bromoform	1 U
MW-2B	01040168-05	Bromomethane	1 U
MW-2B	01040168-05	n-Butylbenzene	1 U
MW-2B	01040168-05	sec-Butylbenzene	1 U
MW-2B	01040168-05	tert-Butylbenzene	1 U
MW-2B	01040168-05	Carbon tetrachloride	1 U
MW-2B	01040168-05	Chlorobenzene	1 U
MW-2B	01040168-05	Chloroethane	1 U
MW-2B	01040168-05	Chloroform	1 U
MW-2B	01040168-05	1-Chlorohexane	1 U
MW-2B	01040168-05	Chloromethane	1 U
MW-2B	01040168-05	2-Chlorotoluene	1 U
MW-2B	01040168-05	4-Chlorotoluene	1 U
MW-2B	01040168-05	Dibromochloromethane	1 U
MW-2B	01040168-05	1,2-Dibromo-3-chloropropane	1 U
MW-2B	01040168-05	1,2-Dibromoethane	1 U
MW-2B	01040168-05	Dibromomethane	1 U
MW-2B	01040168-05	1,2-Dichlorobenzene	1 U
MW-2B	01040168-05	1,3-Dichlorobenzene	1 U
MW-2B	01040168-05	1,4-Dichlorobenzene	1 U
MW-2B	01040168-05	Dichlorodifluoromethane	1 U
MW-2B	01040168-05	1,1-Dichloroethane	1 U
MW-2B	01040168-05	1,2-Dichloroethane	1 U
MW-2B	01040168-05	1,1-Dichloroethylene	1 U
MW-2B	01040168-05	1,2-Dichloroethylene (Total)	1 U

000039

MW-2B	01040168-05	1,2-Dichloropropane	1 U
MW-2B	01040168-05	1,3-Dichloropropane	1 U
MW-2B	01040168-05	2,2-Dichloropropane	1 U
MW-2B	01040168-05	1,1-Dichloropropylene	1 U
MW-2B	01040168-05	cis-1,3-Dichloropropylene	1 U
MW-2B	01040168-05	trans-1,3-Dichloropropylene	1 U
MW-2B	01040168-05	Ethylbenzene	1 U
MW-2B	01040168-05	Hexachlorobutadiene	1 U
MW-2B	01040168-05	Isopropylbenzene	1 U
MW-2B	01040168-05	p-Isopropyltoluene	1 U
MW-2B	01040168-05	Methylene chloride	1 U
MW-2B	01040168-05	Naphthalene	1 U
MW-2B	01040168-05	n-Propylbenzene	1 U
MW-2B	01040168-05	Styrene	1 U
MW-2B	01040168-05	1,1,1,2-Tetrachloroethane	1 U
MW-2B	01040168-05	1,1,1,2-Tetrachloroethane	1 U
MW-2B	01040168-05	Tetrachloroethylene	1 U
MW-2B	01040168-05	Toluene	1 U
MW-2B	01040168-05	1,2,3-Trichlorobenzene	1 U
MW-2B	01040168-05	1,2,4-Trichlorobenzene	1 U
MW-2B	01040168-05	1,1,1-Trichloroethane	1 U
MW-2B	01040168-05	1,1,2-Trichloroethane	1 U
MW-2B	01040168-05	Trichloroethylene	1 U
MW-2B	01040168-05	Trichlorofluoromethane	1 U
MW-2B	01040168-05	1,2,3-Trichloropropane	1 U
MW-2B	01040168-05	1,2,3-Trimethylbenzene	1 U
MW-2B	01040168-05	1,2,4-Trimethylbenzene	1 U
MW-2B	01040168-05	1,3,5-Trimethylbenzene	1 U
MW-2B	01040168-05	Vinyl chloride	1 U
MW-2B	01040168-05	o-Xylene	1 U
MW-2B	01040168-05	p- & m-Xylenes	1 U

000040

YORK

ANALYTICAL LABORATORIES, INC.

Form 1**Volatile Organics Analysis Data Sheet-EPA 8260 List**

Client Sample ID

MW-2C

Sample Amount: Soil=1.0g/Water=5.0ml Date Collected: 4/4/01 Sample Type: **WATER**
 Matrix: WATER Date Received: 4/6/01 SDG: 01040168-06
 Additional Dilution: 1.0 Date Analyzed: 4/20/01 Lab ID: 01040168-06
 GC Column: DB-624, 50 m, 0.32mm id Level: **LOW** Lab File ID:
 Dilution Factor: **1**

 CONCENTRATION
 UNITS: ug/L

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
MW-2C	01040168-06	Benzene	1 U
MW-2C	01040168-06	Bromobenzene	1 U
MW-2C	01040168-06	Bromochloromethane	1 U
MW-2C	01040168-06	Bromodichloromethane	1 U
MW-2C	01040168-06	Bromoform	1 U
MW-2C	01040168-06	Bromomethane	1 U
MW-2C	01040168-06	n-Butylbenzene	1 U
MW-2C	01040168-06	sec-Butylbenzene	1 U
MW-2C	01040168-06	tert-Butylbenzene	1 U
MW-2C	01040168-06	Carbon tetrachloride	1 U
MW-2C	01040168-06	Chlorobenzene	1 U
MW-2C	01040168-06	Chloroethane	1 U
MW-2C	01040168-06	Chloroform	1 U
MW-2C	01040168-06	1-Chlorohexane	1 U
MW-2C	01040168-06	Chloromethane	1 U
MW-2C	01040168-06	2-Chlorotoluene	1 U
MW-2C	01040168-06	4-Chlorotoluene	1 U
MW-2C	01040168-06	Dibromochloromethane	1 U
MW-2C	01040168-06	1,2-Dibromo-3-chloropropane	1 U
MW-2C	01040168-06	1,2-Dibromoethane	1 U
MW-2C	01040168-06	Dibromomethane	1 U
MW-2C	01040168-06	1,2-Dichlorobenzene	1 U
MW-2C	01040168-06	1,3-Dichlorobenzene	1 U
MW-2C	01040168-06	1,4-Dichlorobenzene	1 U
MW-2C	01040168-06	Dichlorodifluoromethane	1 U
MW-2C	01040168-06	1,1-Dichloroethane	2
MW-2C	01040168-06	1,2-Dichloroethane	1 U
MW-2C	01040168-06	1,1-Dichloroethylene	2
MW-2C	01040168-06	1,2-Dichloroethylene (Total)	1 U

000041

MW-2C	01040168-06	1,2-Dichloropropane	1 U
MW-2C	01040168-06	1,3-Dichloropropane	1 U
MW-2C	01040168-06	2,2-Dichloropropane	1 U
MW-2C	01040168-06	1,1-Dichloropropylene	1 U
MW-2C	01040168-06	cis-1,3-Dichloropropylene	1 U
MW-2C	01040168-06	trans-1,3-Dichloropropylene	1 U
MW-2C	01040168-06	Ethylbenzene	1 U
MW-2C	01040168-06	Hexachlorobutadiene	1 U
MW-2C	01040168-06	Isopropylbenzene	1 U
MW-2C	01040168-06	p-Isopropyltoluene	1 U
MW-2C	01040168-06	Methylene chloride	1 U
MW-2C	01040168-06	Naphthalene	1 U
MW-2C	01040168-06	n-Propylbenzene	1 U
MW-2C	01040168-06	Styrene	1 U
MW-2C	01040168-06	1,1,1,2-Tetrachloroethane	1 U
MW-2C	01040168-06	1,1,2,2-Tetrachloroethane	1 U
MW-2C	01040168-06	Tetrachloroethylene	1 U
MW-2C	01040168-06	Toluene	1 U
MW-2C	01040168-06	1,2,3-Trichlorobenzene	1 U
MW-2C	01040168-06	1,2,4-Trichlorobenzene	1 U
MW-2C	01040168-06	1,1,1-Trichloroethane	4
MW-2C	01040168-06	1,1,2-Trichloroethane	1 U
MW-2C	01040168-06	Trichloroethylene	1 U
MW-2C	01040168-06	Trichlorofluoromethane	1 U
MW-2C	01040168-06	1,2,3-Trichloropropane	1 U
MW-2C	01040168-06	1,2,3-Trimethylbenzene	1 U
MW-2C	01040168-06	1,2,4-Trimethylbenzene	1 U
MW-2C	01040168-06	1,3,5-Trimethylbenzene	1 U
MW-2C	01040168-06	Vinyl chloride	1 U
MW-2C	01040168-06	o-Xylene	1 U
MW-2C	01040168-06	p- & m-Xylenes	1 U

YORK

ANALYTICAL LABORATORIES, INC.

Form 1**Volatile Organics Analysis Data Sheet-EPA 8260 List**

Client Sample ID

MW-3A

Sample Amount: Soil=1.0g/Water=5.0ml

Date Collected: 4/4/01

Sample Type: **WATER**Matrix: **WATER**

Date Received: 4/6/01

SDG: 01040168-07

Additional Dilution 1.0

Date Analyzed: 4/20/01

Lab ID: 01040168-07

GC Column: DB-624, 50 m, 0.32mm id

Level: **LOW**

Lab File ID:

Dilution Factor: **1**

CONCENTRATION

UNITS: ug/L

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
MW-3A	01040168-07	Benzene	1 U
MW-3A	01040168-07	Bromobenzene	1 U
MW-3A	01040168-07	Bromochloromethane	1 U
MW-3A	01040168-07	Bromodichloromethane	1 U
MW-3A	01040168-07	Bromoform	1 U
MW-3A	01040168-07	Bromomethane	1 U
MW-3A	01040168-07	n-Butylbenzene	1 U
MW-3A	01040168-07	sec-Butylbenzene	1 U
MW-3A	01040168-07	tert-Butylbenzene	1 U
MW-3A	01040168-07	Carbon tetrachloride	1 U
MW-3A	01040168-07	Chlorobenzene	1 U
MW-3A	01040168-07	Chloroethane	1 U
MW-3A	01040168-07	Chloroform	1 U
MW-3A	01040168-07	1-Chlorohexane	1 U
MW-3A	01040168-07	Chloromethane	1 U
MW-3A	01040168-07	2-Chlorotoluene	1 U
MW-3A	01040168-07	4-Chlorotoluene	1 U
MW-3A	01040168-07	Dibromochloromethane	1 U
MW-3A	01040168-07	1,2-Dibromo-3-chloropropane	1 U
MW-3A	01040168-07	1,2-Dibromoethane	1 U
MW-3A	01040168-07	Dibromomethane	1 U
MW-3A	01040168-07	1,2-Dichlorobenzene	1 U
MW-3A	01040168-07	1,3-Dichlorobenzene	1 U
MW-3A	01040168-07	1,4-Dichlorobenzene	1 U
MW-3A	01040168-07	Dichlorodifluoromethane	1 U
MW-3A	01040168-07	1,1-Dichloroethane	1 U
MW-3A	01040168-07	1,2-Dichloroethane	1 U
MW-3A	01040168-07	1,1-Dichloroethylene	1 U
MW-3A	01040168-07	1,2-Dichloroethylene (Total)	1 U

000043

MW-3A	01040168-07	1,2-Dichloropropane	1 U
MW-3A	01040168-07	1,3-Dichloropropane	1 U
MW-3A	01040168-07	2,2-Dichloropropane	1 U
MW-3A	01040168-07	1,1-Dichloropropylene	1 U
MW-3A	01040168-07	cis-1,3-Dichloropropylene	1 U
MW-3A	01040168-07	trans-1,3-Dichloropropylene	1 U
MW-3A	01040168-07	Ethylbenzene	1 U
MW-3A	01040168-07	Hexachlorobutadiene	1 U
MW-3A	01040168-07	Isopropylbenzene	1 U
MW-3A	01040168-07	p-Isopropyltoluene	1 U
MW-3A	01040168-07	Methylene chloride	1 U
MW-3A	01040168-07	Naphthalene	1 U
MW-3A	01040168-07	n-Propylbenzene	1 U
MW-3A	01040168-07	Styrene	1 U
MW-3A	01040168-07	1,1,1,2-Tetrachloroethane	1 U
MW-3A	01040168-07	1,1,2,2-Tetrachloroethane	1 U
MW-3A	01040168-07	Tetrachloroethylene	1 U
MW-3A	01040168-07	Toluene	1 U
MW-3A	01040168-07	1,2,3-Trichlorobenzene	1 U
MW-3A	01040168-07	1,2,4-Trichlorobenzene	1 U
MW-3A	01040168-07	1,1,1-Trichloroethane	1 U
MW-3A	01040168-07	1,1,2-Trichloroethane	1 U
MW-3A	01040168-07	Trichloroethylene	1 U
MW-3A	01040168-07	Trichlorofluoromethane	1 U
MW-3A	01040168-07	1,2,3-Trichloropropane	1 U
MW-3A	01040168-07	1,2,3-Trimethylbenzene	1 U
MW-3A	01040168-07	1,2,4-Trimethylbenzene	1 U
MW-3A	01040168-07	1,3,5-Trimethylbenzene	1 U
MW-3A	01040168-07	Vinyl chloride	1 U
MW-3A	01040168-07	o-Xylene	1 U
MW-3A	01040168-07	p- & m-Xylenes	1 U

YORK

ANALYTICAL LABORATORIES, INC.

Form 1**Volatile Organics Analysis Data Sheet-EPA 8260 List**

Client Sample ID

MW-3B

Sample Amount: Soil=10g/Water=5.0ml Date Collected: 4/4/01 Sample Type: **WATER**
 Matrix: WATER Date Received: 4/6/01 SDG: 01040168-08
 Additional Dilution: 1.0 Date Analyzed: 4/20/01 Lab ID: 01040168-08
 GC Column: DB-624, 50 m, 0.32mm id Level: **LOW** Lab File ID:
 Dilution Factor: **1**

 CONCENTRATION
 UNITS: ug/L

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
MW-3B	01040168-08	Benzene	1 U
MW-3B	01040168-08	Bromobenzene	1 U
MW-3B	01040168-08	Bromochloromethane	1 U
MW-3B	01040168-08	Bromodichloromethane	1 U
MW-3B	01040168-08	Bromoform	1 U
MW-3B	01040168-08	Bromomethane	1 U
MW-3B	01040168-08	n-Butylbenzene	1 U
MW-3B	01040168-08	sec-Butylbenzene	1 U
MW-3B	01040168-08	tert-Butylbenzene	1 U
MW-3B	01040168-08	Carbon tetrachloride	1 U
MW-3B	01040168-08	Chlorobenzene	1 U
MW-3B	01040168-08	Chloroethane	1 U
MW-3B	01040168-08	Chloroform	1 U
MW-3B	01040168-08	1-Chlorohexane	1 U
MW-3B	01040168-08	Chloromethane	1 U
MW-3B	01040168-08	2-Chlorotoluene	1 U
MW-3B	01040168-08	4-Chlorotoluene	1 U
MW-3B	01040168-08	Dibromochloromethane	1 U
MW-3B	01040168-08	1,2-Dibromo-3-chloropropane	1 U
MW-3B	01040168-08	1,2-Dibromoethane	1 U
MW-3B	01040168-08	Dibromomethane	1 U
MW-3B	01040168-08	1,2-Dichlorobenzene	1 U
MW-3B	01040168-08	1,3-Dichlorobenzene	1 U
MW-3B	01040168-08	1,4-Dichlorobenzene	1 U
MW-3B	01040168-08	Dichlorodifluoromethane	1 U
MW-3B	01040168-08	1,1-Dichloroethane	1 U
MW-3B	01040168-08	1,2-Dichloroethane	1 U
MW-3B	01040168-08	1,1-Dichloroethylene	1 U
MW-3B	01040168-08	1,2-Dichloroethylene (Total)	1 U

000045

MW-3B	01040168-08	1,2-Dichloropropane	1 U
MW-3B	01040168-08	1,3-Dichloropropane	1 U
MW-3B	01040168-08	2,2-Dichloropropane	1 U
MW-3B	01040168-08	1,1-Dichloropropylene	1 U
MW-3B	01040168-08	cis-1,3-Dichloropropylene	1 U
MW-3B	01040168-08	trans-1,3-Dichloropropylene	1 U
MW-3B	01040168-08	Ethylbenzene	1 U
MW-3B	01040168-08	Hexachlorobutadiene	1 U
MW-3B	01040168-08	Isopropylbenzene	1 U
MW-3B	01040168-08	p-Isopropyltoluene	1 U
MW-3B	01040168-08	Methylene chloride	1 U
MW-3B	01040168-08	Naphthalene	1 U
MW-3B	01040168-08	n-Propylbenzene	1 U
MW-3B	01040168-08	Styrene	1 U
MW-3B	01040168-08	1,1,1,2-Tetrachloroethane	1 U
MW-3B	01040168-08	1,1,2,2-Tetrachloroethane	1 U
MW-3B	01040168-08	Tetrachloroethylene	1 U
MW-3B	01040168-08	Toluene	1 U
MW-3B	01040168-08	1,2,3-Trichlorobenzene	1 U
MW-3B	01040168-08	1,2,4-Trichlorobenzene	1 U
MW-3B	01040168-08	1,1,1-Trichloroethane	1 U
MW-3B	01040168-08	1,1,2-Trichloroethane	1 U
MW-3B	01040168-08	Trichloroethylene	1 U
MW-3B	01040168-08	Trichlorofluoromethane	1 U
MW-3B	01040168-08	1,2,3-Trichloropropane	1 U
MW-3B	01040168-08	1,2,3-Trimethylbenzene	1 U
MW-3B	01040168-08	1,2,4-Trimethylbenzene	1 U
MW-3B	01040168-08	1,3,5-Trimethylbenzene	1 U
MW-3B	01040168-08	Vinyl chloride	1 U
MW-3B	01040168-08	o-Xylene	1 U
MW-3B	01040168-08	p- & m-Xylenes	1 U

YORK

ANALYTICAL LABORATORIES, INC.

Form 1**Volatile Organics Analysis Data Sheet-EPA 8260 List**

Client Sample ID

MW-3C

Sample Amount:	Soil=1.0g/Water=5.0ml	Date Collected:	4/4/01	Sample Type:	WATER
Matrix:	WATER	Date Received:	4/6/01	SDG:	01040168-09
Additional Dilution:	1.0	Date Analyzed:	4/20/01	Lab ID:	01040168-09
GC Column:	DB-624, 50 m, 0.32mm id	Level:	LOW	Lab File ID:	
		Dilution Factor:	1		

 CONCENTRATION
 UNITS: ug/L

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
MW-3C	01040168-09	Benzene	1 U
MW-3C	01040168-09	Bromobenzene	1 U
MW-3C	01040168-09	Bromochloromethane	1 U
MW-3C	01040168-09	Bromodichloromethane	1 U
MW-3C	01040168-09	Bromoform	1 U
MW-3C	01040168-09	Bromomethane	1 U
MW-3C	01040168-09	n-Butylbenzene	1 U
MW-3C	01040168-09	sec-Butylbenzene	1 U
MW-3C	01040168-09	tert-Butylbenzene	1 U
MW-3C	01040168-09	Carbon tetrachloride	1 U
MW-3C	01040168-09	Chlorobenzene	1 U
MW-3C	01040168-09	Chloroethane	1 U
MW-3C	01040168-09	Chloroform	1 U
MW-3C	01040168-09	1-Chlorohexane	1 U
MW-3C	01040168-09	Chloromethane	1 U
MW-3C	01040168-09	2-Chlorotoluene	1 U
MW-3C	01040168-09	4-Chlorotoluene	1 U
MW-3C	01040168-09	Dibromochloromethane	1 U
MW-3C	01040168-09	1,2-Dibromo-3-chloropropane	1 U
MW-3C	01040168-09	1,2-Dibromoethane	1 U
MW-3C	01040168-09	Dibromomethane	1 U
MW-3C	01040168-09	1,2-Dichlorobenzene	1 U
MW-3C	01040168-09	1,3-Dichlorobenzene	1 U
MW-3C	01040168-09	1,4-Dichlorobenzene	1 U
MW-3C	01040168-09	Dichlorodifluoromethane	1 U
MW-3C	01040168-09	1,1-Dichloroethane	1
MW-3C	01040168-09	1,2-Dichloroethane	1 U
MW-3C	01040168-09	1,1-Dichloroethylene	1 U
MW-3C	01040168-09	1,2-Dichloroethylene (Total)	1 U

000047

MW-3C	01040168-09	1,2-Dichloropropane	1 U
MW-3C	01040168-09	1,3-Dichloropropane	1 U
MW-3C	01040168-09	2,2-Dichloropropane	1 U
MW-3C	01040168-09	1,1-Dichloropropylene	1 U
MW-3C	01040168-09	cis-1,3-Dichloropropylene	1 U
MW-3C	01040168-09	trans-1,3-Dichloropropylene	1 U
MW-3C	01040168-09	Ethylbenzene	1 U
MW-3C	01040168-09	Hexachlorobutadiene	1 U
MW-3C	01040168-09	Isopropylbenzene	1 U
MW-3C	01040168-09	p-Isopropyltoluene	1 U
MW-3C	01040168-09	Methylene chloride	1 U
MW-3C	01040168-09	Naphthalene	1 U
MW-3C	01040168-09	n-Propylbenzene	1 U
MW-3C	01040168-09	Styrene	1 U
MW-3C	01040168-09	1,1,1,2-Tetrachloroethane	1 U
MW-3C	01040168-09	1,1,2,2-Tetrachloroethane	1 U
MW-3C	01040168-09	Tetrachloroethylene	1 U
MW-3C	01040168-09	Toluene	1 U
MW-3C	01040168-09	1,2,3-Trichlorobenzene	1 U
MW-3C	01040168-09	1,2,4-Trichlorobenzene	1 U
MW-3C	01040168-09	1,1,1-Trichloroethane	3
MW-3C	01040168-09	1,1,2-Trichloroethane	1 U
MW-3C	01040168-09	Trichloroethylene	1 U
MW-3C	01040168-09	Trichlorofluoromethane	1 U
MW-3C	01040168-09	1,2,3-Trichloropropane	1 U
MW-3C	01040168-09	1,2,3-Trimethylbenzene	1 U
MW-3C	01040168-09	1,2,4-Trimethylbenzene	1 U
MW-3C	01040168-09	1,3,5-Trimethylbenzene	1 U
MW-3C	01040168-09	Vinyl chloride	1 U
MW-3C	01040168-09	o-Xylene	1 U
MW-3C	01040168-09	p- & m-Xylenes	1 U

YORK

ANALYTICAL LABORATORIES, INC.

Form 1**Volatile Organics Analysis Data Sheet-EPA 8260 List**

Client Sample ID

MW-4A

Sample Amount: Soil=1.0g/Water=5.0ml Date Collected: 4/4/01 Sample Type: **WATER**
 Matrix: WATER Date Received: 4/6/01 SDG: 01040168-10
 Additional Dilution 1.0 Date Analyzed: 4/20/01 Lab ID: 01040168-10
 GC Column: DB-624, 50 m, 0.32mm id Level: **LOW** Lab File ID:
 Dilution Factor: 1

 CONCENTRATION
 UNITS: ug/L

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
MW-4A	01040168-10	Benzene	1 U
MW-4A	01040168-10	Bromobenzene	1 U
MW-4A	01040168-10	Bromochloromethane	1 U
MW-4A	01040168-10	Bromodichloromethane	1 U
MW-4A	01040168-10	Bromoform	1 U
MW-4A	01040168-10	Bromomethane	1 U
MW-4A	01040168-10	n-Butylbenzene	1 U
MW-4A	01040168-10	sec-Butylbenzene	1 U
MW-4A	01040168-10	tert-Butylbenzene	1 U
MW-4A	01040168-10	Carbon tetrachloride	1 U
MW-4A	01040168-10	Chlorobenzene	1 U
MW-4A	01040168-10	Chloroethane	1 U
MW-4A	01040168-10	Chloroform	1 U
MW-4A	01040168-10	1-Chlorohexane	1 U
MW-4A	01040168-10	Chloromethane	1 U
MW-4A	01040168-10	2-Chlorotoluene	1 U
MW-4A	01040168-10	4-Chlorotoluene	1 U
MW-4A	01040168-10	Dibromochloromethane	1 U
MW-4A	01040168-10	1,2-Dibromo-3-chloropropane	1 U
MW-4A	01040168-10	1,2-Dibromoethane	1 U
MW-4A	01040168-10	Dibromomethane	1 U
MW-4A	01040168-10	1,2-Dichlorobenzene	1 U
MW-4A	01040168-10	1,3-Dichlorobenzene	1 U
MW-4A	01040168-10	1,4-Dichlorobenzene	1 U
MW-4A	01040168-10	Dichlorodifluoromethane	1 U
MW-4A	01040168-10	1,1-Dichloroethane	1 U
MW-4A	01040168-10	1,2-Dichloroethane	1 U
MW-4A	01040168-10	1,1-Dichloroethylene	1 U
MW-4A	01040168-10	1,2-Dichloroethylene (Total)	1 U

000049

MW-4A	01040168-10	1,2-Dichloropropane	1 U
MW-4A	01040168-10	1,3-Dichloropropane	1 U
MW-4A	01040168-10	2,2-Dichloropropane	1 U
MW-4A	01040168-10	1,1-Dichloropropylene	1 U
MW-4A	01040168-10	cis-1,3-Dichloropropylene	1 U
MW-4A	01040168-10	trans-1,3-Dichloropropylene	1 U
MW-4A	01040168-10	Ethylbenzene	1 U
MW-4A	01040168-10	Hexachlorobutadiene	1 U
MW-4A	01040168-10	Isopropylbenzene	1 U
MW-4A	01040168-10	p-Isopropyltoluene	1 U
MW-4A	01040168-10	Methylene chloride	1 U
MW-4A	01040168-10	Naphthalene	1 U
MW-4A	01040168-10	n-Propylbenzene	1 U
MW-4A	01040168-10	Styrene	1 U
MW-4A	01040168-10	1,1,1,2-Tetrachloroethane	1 U
MW-4A	01040168-10	1,1,2,2-Tetrachloroethane	1 U
MW-4A	01040168-10	Tetrachloroethylene	5
MW-4A	01040168-10	Toluene	1 U
MW-4A	01040168-10	1,2,3-Trichlorobenzene	1 U
MW-4A	01040168-10	1,2,4-Trichlorobenzene	1 U
MW-4A	01040168-10	1,1,1-Trichloroethane	1 U
MW-4A	01040168-10	1,1,2-Trichloroethane	1 U
MW-4A	01040168-10	Trichloroethylene	1 U
MW-4A	01040168-10	Trichlorofluoromethane	1 U
MW-4A	01040168-10	1,2,3-Trichloropropane	1 U
MW-4A	01040168-10	1,2,3-Trimethylbenzene	1 U
MW-4A	01040168-10	1,2,4-Trimethylbenzene	1 U
MW-4A	01040168-10	1,3,5-Trimethylbenzene	1 U
MW-4A	01040168-10	Vinyl chloride	1 U
MW-4A	01040168-10	o-Xylene	1 U
MW-4A	01040168-10	p- & m-Xylenes	1 U

YORK

ANALYTICAL LABORATORIES, INC.

Form 1**Volatile Organics Analysis Data Sheet-EPA 8260 List**

Client Sample ID

MW-4B

Sample Amount: Soil=1.0g/Water=5.0ml Date Collected: 4/4/01 Sample Type: **WATER**
 Matrix: **WATER** Date Received: 4/6/01 SDG: 01040168-11
 Additional Dilution: 1.0 Date Analyzed: 4/20/01 Lab ID: 01040168-11
 GC Column: DB-624, 50 m, 0.32mm id Level: **LOW** Lab File ID:
 Dilution Factor: **1**

CONCENTRATION
UNITS: ug/L

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
MW-4B	01040168-11	Benzene	1 U
MW-4B	01040168-11	Bromobenzene	1 U
MW-4B	01040168-11	Bromochloromethane	1 U
MW-4B	01040168-11	Bromodichloromethane	1 U
MW-4B	01040168-11	Bromoform	1 U
MW-4B	01040168-11	Bromomethane	1 U
MW-4B	01040168-11	n-Butylbenzene	1 U
MW-4B	01040168-11	sec-Butylbenzene	1 U
MW-4B	01040168-11	tert-Butylbenzene	1 U
MW-4B	01040168-11	Carbon tetrachloride	1 U
MW-4B	01040168-11	Chlorobenzene	1 U
MW-4B	01040168-11	Chloroethane	1 U
MW-4B	01040168-11	Chloroform	1 U
MW-4B	01040168-11	1-Chlorohexane	1 U
MW-4B	01040168-11	Chloromethane	1 U
MW-4B	01040168-11	2-Chlorotoluene	1 U
MW-4B	01040168-11	4-Chlorotoluene	1 U
MW-4B	01040168-11	Dibromochloromethane	1 U
MW-4B	01040168-11	1,2-Dibromo-3-chloropropane	1 U
MW-4B	01040168-11	1,2-Dibromoethane	1 U
MW-4B	01040168-11	Dibromomethane	1 U
MW-4B	01040168-11	1,2-Dichlorobenzene	1 U
MW-4B	01040168-11	1,3-Dichlorobenzene	1 U
MW-4B	01040168-11	1,4-Dichlorobenzene	1 U
MW-4B	01040168-11	Dichlorodifluoromethane	1 U
MW-4B	01040168-11	1,1-Dichloroethane	1 U
MW-4B	01040168-11	1,2-Dichloroethane	1 U
MW-4B	01040168-11	1,1-Dichloroethylene	1 U
MW-4B	01040168-11	1,2-Dichloroethylene (Total)	1 U

000051

MW-4B	01040168-11	1,2-Dichloropropane	1 U
MW-4B	01040168-11	1,3-Dichloropropane	1 U
MW-4B	01040168-11	2,2-Dichloropropane	1 U
MW-4B	01040168-11	1,1-Dichloropropylene	1 U
MW-4B	01040168-11	cis-1,3-Dichloropropylene	1 U
MW-4B	01040168-11	trans-1,3-Dichloropropylene	1 U
MW-4B	01040168-11	Ethylbenzene	1 U
MW-4B	01040168-11	Hexachlorobutadiene	1 U
MW-4B	01040168-11	Isopropylbenzene	1 U
MW-4B	01040168-11	p-Isopropyltoluene	1 U
MW-4B	01040168-11	Methylene chloride	1 U
MW-4B	01040168-11	Naphthalene	1 U
MW-4B	01040168-11	n-Propylbenzene	1 U
MW-4B	01040168-11	Styrene	1 U
MW-4B	01040168-11	1,1,1,2-Tetrachloroethane	1 U
MW-4B	01040168-11	1,1,1,2,2-Tetrachloroethane	1 U
MW-4B	01040168-11	Tetrachloroethylene	1 U
MW-4B	01040168-11	Toluene	1 U
MW-4B	01040168-11	1,2,3-Trichlorobenzene	1 U
MW-4B	01040168-11	1,2,4-Trichlorobenzene	1 U
MW-4B	01040168-11	1,1,1-Trichloroethane	1 U
MW-4B	01040168-11	1,1,2-Trichloroethane	1 U
MW-4B	01040168-11	Trichloroethylene	1 U
MW-4B	01040168-11	Trichlorofluoromethane	1 U
MW-4B	01040168-11	1,2,3-Trichloropropane	1 U
MW-4B	01040168-11	1,2,3-Trimethylbenzene	1 U
MW-4B	01040168-11	1,2,4-Trimethylbenzene	1 U
MW-4B	01040168-11	1,3,5-Trimethylbenzene	1 U
MW-4B	01040168-11	Vinyl chloride	1 U
MW-4B	01040168-11	o-Xylene	1 U
MW-4B	01040168-11	p- & m-Xylenes	1 U

YORK

ANALYTICAL LABORATORIES, INC.

Form 1**Volatile Organics Analysis Data Sheet-EPA 8260 List**

Client Sample ID

MW-4C

Sample Amount: Soil=1.0g/Water=5.0ml

Date Collected: 4/4/01

Sample Type: **WATER**Matrix: **WATER**

Date Received: 4/6/01

SDG: 01040168-12

Additional Dilution: 1.0

Date Analyzed: 4/20/01

Lab ID: 01040168-12

GC Column: DB-624, 50 m, 0.32mm id

Level: **LOW**

Lab File ID:

Dilution Factor: 1

CONCENTRATION
UNITS: ug/L

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
MW-4C	01040168-12	Benzene	1 U
MW-4C	01040168-12	Bromobenzene	1 U
MW-4C	01040168-12	Bromochloromethane	1 U
MW-4C	01040168-12	Bromodichloromethane	1 U
MW-4C	01040168-12	Bromoform	1 U
MW-4C	01040168-12	Bromomethane	1 U
MW-4C	01040168-12	n-Butylbenzene	1 U
MW-4C	01040168-12	sec-Butylbenzene	1 U
MW-4C	01040168-12	tert-Butylbenzene	1 U
MW-4C	01040168-12	Carbon tetrachloride	1 U
MW-4C	01040168-12	Chlorobenzene	1 U
MW-4C	01040168-12	Chloroethane	1 U
MW-4C	01040168-12	Chloroform	1 U
MW-4C	01040168-12	1-Chlorohexane	1 U
MW-4C	01040168-12	Chloromethane	1 U
MW-4C	01040168-12	2-Chlorotoluene	1 U
MW-4C	01040168-12	4-Chlorotoluene	1 U
MW-4C	01040168-12	Dibromochloromethane	1 U
MW-4C	01040168-12	1,2-Dibromo-3-chloropropane	1 U
MW-4C	01040168-12	1,2-Dibromoethane	1 U
MW-4C	01040168-12	Dibromomethane	1 U
MW-4C	01040168-12	1,2-Dichlorobenzene	1 U
MW-4C	01040168-12	1,3-Dichlorobenzene	1 U
MW-4C	01040168-12	1,4-Dichlorobenzene	1 U
MW-4C	01040168-12	Dichlorodifluoromethane	1 U
MW-4C	01040168-12	1,1-Dichloroethane	1 U
MW-4C	01040168-12	1,2-Dichloroethane	1 U
MW-4C	01040168-12	1,1-Dichloroethylene	1 U
MW-4C	01040168-12	1,2-Dichloroethylene (Total)	1 U

000053

MW-4C	01040168-12	1,2-Dichloropropane	1 U
MW-4C	01040168-12	1,3-Dichloropropane	1 U
MW-4C	01040168-12	2,2-Dichloropropane	1 U
MW-4C	01040168-12	1,1-Dichloropropylene	1 U
MW-4C	01040168-12	cis-1,3-Dichloropropylene	1 U
MW-4C	01040168-12	trans-1,3-Dichloropropylene	1 U
MW-4C	01040168-12	Ethylbenzene	1 U
MW-4C	01040168-12	Hexachlorobutadiene	1 U
MW-4C	01040168-12	Isopropylbenzene	1 U
MW-4C	01040168-12	p-Isopropyltoluene	1 U
MW-4C	01040168-12	Methylene chloride	1 U
MW-4C	01040168-12	Naphthalene	1 U
MW-4C	01040168-12	n-Propylbenzene	1 U
MW-4C	01040168-12	Styrene	1 U
MW-4C	01040168-12	1,1,1,2-Tetrachloroethane	1 U
MW-4C	01040168-12	1,1,2,2-Tetrachloroethane	1 U
MW-4C	01040168-12	Tetrachloroethylene	15
MW-4C	01040168-12	Toluene	1 U
MW-4C	01040168-12	1,2,3-Trichlorobenzene	1 U
MW-4C	01040168-12	1,2,4-Trichlorobenzene	1 U
MW-4C	01040168-12	1,1,1-Trichloroethane	4
MW-4C	01040168-12	1,1,2-Trichloroethane	1 U
MW-4C	01040168-12	Trichloroethylene	3
MW-4C	01040168-12	Trichlorofluoromethane	1 U
MW-4C	01040168-12	1,2,3-Trichloropropane	1 U
MW-4C	01040168-12	1,2,3-Trimethylbenzene	1 U
MW-4C	01040168-12	1,2,4-Trimethylbenzene	1 U
MW-4C	01040168-12	1,3,5-Trimethylbenzene	1 U
MW-4C	01040168-12	Vinyl chloride	1 U
MW-4C	01040168-12	o-Xylene	1 U
MW-4C	01040168-12	p- & m-Xylenes	1 U

YORK

ANALYTICAL LABORATORIES, INC.

Form 1**Volatile Organics Analysis Data Sheet-EPA 8260 List**

Client Sample ID

Field Blank

Sample Amount: Soil=1.0g/Water=5.0ml Date Collected: 4/5/01 Sample Type: **WATER**
 Matrix: WATER Date Received: 4/6/01 SDG: 01040168-13
 Additional Dilution: 1.0 Date Analyzed: 4/20/01 Lab ID: 01040168-13
 GC Column: DB-624, 50 m, 0.32mm id Level: **LOW** Lab File ID:
 Dilution Factor: 1

 CONCENTRATION
 UNITS: ug/L

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
Field Blank	01040168-13	Benzene	1 U
Field Blank	01040168-13	Bromobenzene	1 U
Field Blank	01040168-13	Bromochloromethane	1 U
Field Blank	01040168-13	Bromodichloromethane	1 U
Field Blank	01040168-13	Bromoform	1 U
Field Blank	01040168-13	Bromomethane	1 U
Field Blank	01040168-13	n-Butylbenzene	1 U
Field Blank	01040168-13	sec-Butylbenzene	1 U
Field Blank	01040168-13	tert-Butylbenzene	1 U
Field Blank	01040168-13	Carbon tetrachloride	1 U
Field Blank	01040168-13	Chlorobenzene	1 U
Field Blank	01040168-13	Chloroethane	1 U
Field Blank	01040168-13	Chloroform	1 U
Field Blank	01040168-13	1-Chlorohexane	1 U
Field Blank	01040168-13	Chloromethane	1 U
Field Blank	01040168-13	2-Chlorotoluene	1 U
Field Blank	01040168-13	4-Chlorotoluene	1 U
Field Blank	01040168-13	Dibromochloromethane	1 U
Field Blank	01040168-13	1,2-Dibromo-3-chloropropane	1 U
Field Blank	01040168-13	1,2-Dibromoethane	1 U
Field Blank	01040168-13	Dibromomethane	1 U
Field Blank	01040168-13	1,2-Dichlorobenzene	1 U
Field Blank	01040168-13	1,3-Dichlorobenzene	1 U
Field Blank	01040168-13	1,4-Dichlorobenzene	1 U
Field Blank	01040168-13	Dichlorodifluoromethane	1 U
Field Blank	01040168-13	1,1-Dichloroethane	1 U
Field Blank	01040168-13	1,2-Dichloroethane	1 U
Field Blank	01040168-13	1,1-Dichloroethylene	1 U
Field Blank	01040168-13	1,2-Dichloroethylene (Total)	1 U

000055

Field Blank	01040168-13	1,2-Dichloropropane	1 U
Field Blank	01040168-13	1,3-Dichloropropane	1 U
Field Blank	01040168-13	2,2-Dichloropropane	1 U
Field Blank	01040168-13	1,1-Dichloropropylene	1 U
Field Blank	01040168-13	cis-1,3-Dichloropropylene	1 U
Field Blank	01040168-13	trans-1,3-Dichloropropylene	1 U
Field Blank	01040168-13	Ethylbenzene	1 U
Field Blank	01040168-13	Hexachlorobutadiene	1 U
Field Blank	01040168-13	Isopropylbenzene	1 U
Field Blank	01040168-13	p-Isopropyltoluene	1 U
Field Blank	01040168-13	Methylene chloride	9 B
Field Blank	01040168-13	Naphthalene	1 U
Field Blank	01040168-13	n-Propylbenzene	1 U
Field Blank	01040168-13	Styrene	1 U
Field Blank	01040168-13	1,1,1,2-Tetrachloroethane	1 U
Field Blank	01040168-13	1,1,2,2-Tetrachloroethane	1 U
Field Blank	01040168-13	Tetrachloroethylene	1 U
Field Blank	01040168-13	Toluene	1 U
Field Blank	01040168-13	1,2,3-Trichlorobenzene	1 U
Field Blank	01040168-13	1,2,4-Trichlorobenzene	1 U
Field Blank	01040168-13	1,1,1-Trichloroethane	1 U
Field Blank	01040168-13	1,1,2-Trichloroethane	1 U
Field Blank	01040168-13	Trichloroethylene	1 U
Field Blank	01040168-13	Trichlorofluoromethane	1 U
Field Blank	01040168-13	1,2,3-Trichloropropane	1 U
Field Blank	01040168-13	1,2,3-Trimethylbenzene	1 U
Field Blank	01040168-13	1,2,4-Trimethylbenzene	1 U
Field Blank	01040168-13	1,3,5-Trimethylbenzene	1 U
Field Blank	01040168-13	Vinyl chloride	1 U
Field Blank	01040168-13	o-Xylene	1 U
Field Blank	01040168-13	p- & m- Xylenes	1 U

YORK

ANALYTICAL LABORATORIES, INC.

Form 1**Volatile Organics Analysis Data Sheet-EPA 8260 List**

Client Sample ID

Trip Blank

Sample Amount:	Soil=1.0g/Water=5.0ml	Date Collected:	4/5/01	Sample Type:	WATER
Matrix:	WATER	Date Received:	4/6/01	SDG:	01040168-14
Additional Dilution:	1.0	Date Analyzed:	4/20/01	Lab ID:	01040168-14
GC Column:	DB-624, 50 m, 0.32mm id	Level:	LOW	Lab File ID:	
		Dilution Factor:	1		

 CONCENTRATION
 UNITS: ug/L

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
Trip Blank	01040168-14	Benzene	1 U
Trip Blank	01040168-14	Bromobenzene	1 U
Trip Blank	01040168-14	Bromochloromethane	1 U
Trip Blank	01040168-14	Bromodichloromethane	1 U
Trip Blank	01040168-14	Bromoform	1 U
Trip Blank	01040168-14	Bromomethane	1 U
Trip Blank	01040168-14	n-Butylbenzene	1 U
Trip Blank	01040168-14	sec-Butylbenzene	1 U
Trip Blank	01040168-14	tert-Butylbenzene	1 U
Trip Blank	01040168-14	Carbon tetrachloride	1 U
Trip Blank	01040168-14	Chlorobenzene	1 U
Trip Blank	01040168-14	Chloroethane	1 U
Trip Blank	01040168-14	Chloroform	1 U
Trip Blank	01040168-14	1-Chlorohexane	1 U
Trip Blank	01040168-14	Chloromethane	1 U
Trip Blank	01040168-14	2-Chlorotoluene	1 U
Trip Blank	01040168-14	4-Chlorotoluene	1 U
Trip Blank	01040168-14	Dibromochloromethane	1 U
Trip Blank	01040168-14	1,2-Dibromo-3-chloropropane	1 U
Trip Blank	01040168-14	1,2-Dibromoethane	1 U
Trip Blank	01040168-14	Dibromomethane	1 U
Trip Blank	01040168-14	1,2-Dichlorobenzene	1 U
Trip Blank	01040168-14	1,3-Dichlorobenzene	1 U
Trip Blank	01040168-14	1,4-Dichlorobenzene	1 U
Trip Blank	01040168-14	Dichlorodifluoromethane	1 U
Trip Blank	01040168-14	1,1-Dichloroethane	1 U
Trip Blank	01040168-14	1,2-Dichloroethane	1 U
Trip Blank	01040168-14	1,1-Dichloroethylene	1 U
Trip Blank	01040168-14	1,2-Dichloroethylene (Total)	1 U

000057

Trip Blank	01040168-14	1,2-Dichloropropane	1 U
Trip Blank	01040168-14	1,3-Dichloropropane	1 U
Trip Blank	01040168-14	2,2-Dichloropropane	1 U
Trip Blank	01040168-14	1,1-Dichloropropylene	1 U
Trip Blank	01040168-14	cis-1,3-Dichloropropylene	1 U
Trip Blank	01040168-14	trans-1,3-Dichloropropylene	1 U
Trip Blank	01040168-14	Ethylbenzene	1 U
Trip Blank	01040168-14	Hexachlorobutadiene	1 U
Trip Blank	01040168-14	Isopropylbenzene	1 U
Trip Blank	01040168-14	p-Isopropyltoluene	1 U
Trip Blank	01040168-14	Methylene chloride	1 U
Trip Blank	01040168-14	Naphthalene	1 U
Trip Blank	01040168-14	n-Propylbenzene	1 U
Trip Blank	01040168-14	Styrene	1 U
Trip Blank	01040168-14	1,1,1,2-Tetrachloroethane	1 U
Trip Blank	01040168-14	1,1,2,2-Tetrachloroethane	1 U
Trip Blank	01040168-14	Tetrachloroethylene	1 U
Trip Blank	01040168-14	Toluene	1 U
Trip Blank	01040168-14	1,2,3-Trichlorobenzene	1 U
Trip Blank	01040168-14	1,2,4-Trichlorobenzene	1 U
Trip Blank	01040168-14	1,1,1-Trichloroethane	1 U
Trip Blank	01040168-14	1,1,2-Trichloroethane	1 U
Trip Blank	01040168-14	Trichloroethylene	1 U
Trip Blank	01040168-14	Trichlorofluoromethane	1 U
Trip Blank	01040168-14	1,2,3-Trichloropropane	1 U
Trip Blank	01040168-14	1,2,3-Trimethylbenzene	1 U
Trip Blank	01040168-14	1,2,4-Trimethylbenzene	1 U
Trip Blank	01040168-14	1,3,5-Trimethylbenzene	1 U
Trip Blank	01040168-14	Vinyl chloride	1 U
Trip Blank	01040168-14	o-Xylene	1 U
Trip Blank	01040168-14	p- & m-Xylenes	1 U

000058

YORK

ANALYTICAL LABORATORIES, INC.

Form 1**Volatile Organics Analysis Data Sheet-EPA 8260 List**

Client Sample ID

Drums(MW-2,3,4)

Sample Amount: Soil=1.0g/Water=5.0ml Date Collected: 4/5/01 Sample Type: SOIL
 Matrix: SOIL Date Received: 4/6/01 SDG: 01040168-15
 Additional Dilution: 1.0 Date Analyzed: 4/20/01 Lab ID: 01040168-15
 GC Column: DB-624, 50 m, 0.32mm id Level: LOW Lab File ID: _____
 Dilution Factor: 1

 CONCENTRATION
 UNITS: **ug/Kg**

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
Drums(MW-2,3,4)	01040168-15	Benzene	5 U
Drums(MW-2,3,4)	01040168-15	Bromobenzene	5 U
Drums(MW-2,3,4)	01040168-15	Bromochloromethane	50 U
Drums(MW-2,3,4)	01040168-15	Bromodichloromethane	50 U
Drums(MW-2,3,4)	01040168-15	Bromoform	5 U
Drums(MW-2,3,4)	01040168-15	Bromomethane	50 U
Drums(MW-2,3,4)	01040168-15	n-Butylbenzene	5 U
Drums(MW-2,3,4)	01040168-15	sec-Butylbenzene	5 U
Drums(MW-2,3,4)	01040168-15	tert-Butylbenzene	5 U
Drums(MW-2,3,4)	01040168-15	Carbon tetrachloride	5 U
Drums(MW-2,3,4)	01040168-15	Chlorobenzene	5 U
Drums(MW-2,3,4)	01040168-15	Chloroethane	5 U
Drums(MW-2,3,4)	01040168-15	Chloroform	50 U
Drums(MW-2,3,4)	01040168-15	1-Chlorohexane	5 U
Drums(MW-2,3,4)	01040168-15	Chloromethane	50 U
Drums(MW-2,3,4)	01040168-15	2-Chlorotoluene	5 U
Drums(MW-2,3,4)	01040168-15	4-Chlorotoluene	5 U
Drums(MW-2,3,4)	01040168-15	Dibromochloromethane	5 U
Drums(MW-2,3,4)	01040168-15	1,2-Dibromo-3-chloropropane	5 U
Drums(MW-2,3,4)	01040168-15	1,2-Dibromoethane	5 U
Drums(MW-2,3,4)	01040168-15	Dibromomethane	5 U
Drums(MW-2,3,4)	01040168-15	1,2-Dichlorobenzene	5 U
Drums(MW-2,3,4)	01040168-15	1,3-Dichlorobenzene	5 U
Drums(MW-2,3,4)	01040168-15	1,4-Dichlorobenzene	5 U
Drums(MW-2,3,4)	01040168-15	Dichlorodifluoromethane	5 U
Drums(MW-2,3,4)	01040168-15	1,1-Dichloroethane	5 U
Drums(MW-2,3,4)	01040168-15	1,2-Dichloroethane	5 U
Drums(MW-2,3,4)	01040168-15	1,1-Dichloroethylene	5 U
Drums(MW-2,3,4)	01040168-15	1,2-Dichloroethylene (Total)	5 U

000059

Drums(MW-2,3,4)	01040168-15	1,2-Dichloropropane	5 U
Drums(MW-2,3,4)	01040168-15	1,3-Dichloropropane	5 U
Drums(MW-2,3,4)	01040168-15	2,2-Dichloropropane	5 U
Drums(MW-2,3,4)	01040168-15	1,1-Dichloropropylene	5 U
Drums(MW-2,3,4)	01040168-15	cis-1,3-Dichloropropylene	5 U
Drums(MW-2,3,4)	01040168-15	trans-1,3-Dichloropropylene	5 U
Drums(MW-2,3,4)	01040168-15	Ethylbenzene	5 U
Drums(MW-2,3,4)	01040168-15	Hexachlorobutadiene	5 U
Drums(MW-2,3,4)	01040168-15	Isopropylbenzene	5 U
Drums(MW-2,3,4)	01040168-15	p-Isopropyltoluene	5 U
Drums(MW-2,3,4)	01040168-15	Methylene chloride	48 B
Drums(MW-2,3,4)	01040168-15	Naphthalene	5 U
Drums(MW-2,3,4)	01040168-15	n-Propylbenzene	5 U
Drums(MW-2,3,4)	01040168-15	Styrene	5 U
Drums(MW-2,3,4)	01040168-15	1,1,1,2-Tetrachloroethane	5 U
Drums(MW-2,3,4)	01040168-15	1,1,2,2-Tetrachloroethane	5 U
Drums(MW-2,3,4)	01040168-15	Tetrachloroethylene	5 U
Drums(MW-2,3,4)	01040168-15	Toluene	37
Drums(MW-2,3,4)	01040168-15	1,2,3-Trichlorobenzene	5 U
Drums(MW-2,3,4)	01040168-15	1,2,4-Trichlorobenzene	5 U
Drums(MW-2,3,4)	01040168-15	1,1,1-Trichloroethane	5 U
Drums(MW-2,3,4)	01040168-15	1,1,2-Trichloroethane	5 U
Drums(MW-2,3,4)	01040168-15	Trichloroethylene	5 U
Drums(MW-2,3,4)	01040168-15	Trichlorofluoromethane	5 U
Drums(MW-2,3,4)	01040168-15	1,2,3-Trichloropropane	5 U
Drums(MW-2,3,4)	01040168-15	1,2,3-Trimethylbenzene	5 U
Drums(MW-2,3,4)	01040168-15	1,2,4-Trimethylbenzene	5 U
Drums(MW-2,3,4)	01040168-15	1,3,5-Trimethylbenzene	5 U
Drums(MW-2,3,4)	01040168-15	Vinyl chloride	50 U
Drums(MW-2,3,4)	01040168-15	o-Xylene	11
Drums(MW-2,3,4)	01040168-15	p- & m-Xylenes	9

York Analytical Laboratories, Inc.
GC/MS VOLATILES QA-QC Check Report - Batch ID QBV2041901A

Tune File : C:\HPCHEM\1\DATA\V33546.D
Tune Time : 19 Apr 2001 5:16 pm

12 Hr. Calibration File : C:\HPCHEM\1\DATA\V33546.D

					177611	369042	154700
File	Sample	Surrogate Recovery %			Internal Standard Responses		
V33547.D	METHOD BLK	106	113	118	176248	326611	97821
V33548.D	LCS WATER	97	108	104	169778	336158	125878
V33549.D	MAT SPIKE	98	107	113	159651	324123	104548
V33550.D	M SPIKE DUP	100	104	109	151305	322152	109143
V33551.D	01040168-01†	96	109	108	166586	319258	109863
V33552.D	01040168-02†	97	108	102	167263	327421	119494
V33553.D	01040168-03	102	103	125	140985	312017	90979
V33554.D	01040168-04	104	108	119	142078	307309	94299
V33555.D	01040168-05	106	102	127	137569	308627	90126
V33556.D	01040168-06	101	102	112	137292	294157	93334
V33557.D	01040168-07	98	109	121	143628	294405	87139
V33558.D	01040168-08	108	102	114	131747	292300	92743
V33559.D	01040168-09	108	108	119	131802	272529	82906
V33560.D	01040168-10	108	105	121	131293	278268	81555
V33561.D	01040168-11	107	106	124	132465	273118	81969
V33562.D	01040168-12	109	110	119	131338	265659	80163
V33563.D	01040168-13	108	110	123	130841	259815	81070
V33564.D	01040168-14	108	111	118	128728	261771	75385*

t - fails 12hr time check * - fails criteria

Surrogate Recovery Acceptance Limits

- d4-1,2-Dichloroethane 72-129
- d8-Toluene 82-117
- p-BFB 76-135

+ data not used, jeremy

Internal Standard Acceptance limits : -50% to +100% of Cont. Cal Check areas

000061

York Analytical Laboratories, Inc.
GC/MS VOLATILES QA-QC Check Report - Batch ID QBV1042201A

Tune File : C:\HPCHEM\1\DATA\VO3757.D
Tune Time : 22 Apr 2001 8:46 am

12 Hr. Calibration File : C:\HPCHEM\1\DATA\VO3757.D

File	Sample	Surrogate Recovery %			Internal Standard Responses		
VO3758.D	Method Blk	84	104	94	216443	525119	240000
VO3759.D	LCS Water	80	106	93	222424	526823	241662
VO3760.D	Mat Spike	84	103	92	217975	519295	235685
VO3761.D	M Spike Dup	82	104	92	211099	498974	230695
VO3762.D	01040168-01 <i>u</i>	85	106	92	208258	484519	222243
VO3763.D	01040168-02 <i>u</i>	87	107	94	203393	479862	216282

t - fails 12hr time check * - fails criteria

Surrogate Recovery Acceptance Limits

1. d4-1,2-Dichloroethane 72-129
2. d8-Toluene 82-117
3. p-BFB 76-135

Internal Standard Acceptance limits : -50% to +100% of Cont. Cal Check areas

000062

York Analytical Laboratories, Inc.
GC/MS VOLATILES QA-QC Check Report - Batch ID QBV1041901B

Tune File : C:\HPCHEM\1\DATA\VO3700.D
Tune Time : 20 Apr 2001 8:16 am

12 Hr. Calibration File : C:\HPCHEM\1\DATA\VO3700.D

File	Sample	Surrogate Recovery %			Internal Standard Responses		
VO3701.D	METHOD BLK	92	103	92	223281	538338	302125
VO3702.D	LCS SOIL	87	101	91	229273	548573	309152
VO3703.D	MATSPIKE	92	103	89	223192	529328	301533
VO3704.D	MSPIKEDUP	90	102	94	219743	531536	280272
VO3705.D	01040168-15	92	102	90	212449	502307	281630
VO3706.D	01040168-16	93	102	83	216402	512273	301842

t - fails 12hr time check * - fails criteria

Surrogate Recovery Acceptance Limits

1. d4-1,2-Dichloroethane 72-129
2. d8-Toluene 82-117
3. p-BFB 76-135

Internal Standard Acceptance limits : -50% to +100% of Cont. Cal Check areas

000063

Spike Recovery and RPD Summary Report - WATER

Method : C:\HPCHEM\1\METHODS\V2C71W.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Mon Apr 16 08:02:01 2001
 Response via : Initial Calibration

Non-Spiked Sample: V33547.D

Spike Sample	Spike Duplicate Sample
File ID : V33549.D	V33550.D
Sample : MATRIX SPIKE WATER	MATRIX SPIKE DUP WATER
Acq Time: 19 Apr 2001 8:11 pm	19 Apr 2001 8:50 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
1,1-Dichloroethylene	0.0	50	54	52	108	103	4	22	46-172
Benzene	0.0	50	51	51	102	102	0#	0	66-142
Trichloroethylene	0.0	50	57	53	115	107	7#	0	62-137
Toluene	0.0	50	60	57	120	114	6#	0	59-139
Chlorobenzene	0.0	50	55	53	111	106	5#	0	60-133

- Fails Limit Check

V2C71W.M

Mon Aug 13 16:30:16 2001

000064

Spike Recovery and RPD Summary Report - WATER

Method : C:\HPCHEM\1\METHODS\V1C60W.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Wed Apr 18 08:12:40 2001
 Response via : Initial Calibration

Non-Spiked Sample: VO3758.D

Spike Sample	Spike Duplicate Sample
File ID : VO3760.D	VO3761.D
Sample : MS VOA WATER	MSD VOA WATER
Acq Time: 22 Apr 2001 10:45 am	22 Apr 2001 11:24 am

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethylene	0.0	50	52	53	104	105	1	12	64-125
Benzene	0.0	50	58	58	117	116	0	12	71-135
Trichloroethylene	0.0	50	56	55	113	111	2	11	76-121
Toluene	0.2	50	61	60	121	121	1	13	73-127
Chlorobenzene	0.2	50	55	56	110	111	1	12	71-129

- Fails Limit Check

V1C60W.M

Tue Aug 14 14:25:26 2001

000065

Spike Recovery and RPD Summary Report - SOIL

Method : C:\HPCHEM\1\METHODS\V1C58S.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Wed Apr 18 07:10:16 2001
 Response via : Initial Calibration

Non-Spiked Sample: VO3701.D

Spike Sample	Spike Duplicate Sample
File ID : VO3703.D	VO3704.D
Sample : MATRIX SPIKE SOIL	MATRIX SPIKE DUP SOIL
Acq Time: 20 Apr 2001 10:21 am	20 Apr 2001 11:03 am

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethylene	0.0	50	40	35	80	70	14	14	46-122
Benzene	0.1	50	50	48	100	96	4	11	66-142
Trichloroethylene	0.3	50	44	41	87	81	7	11	62-137
Toluene	0.4	50	49	46	96	92	5	13	59-139
Chlorobenzene	0.2	50	48	46	96	92	5	11	60-133

- Fails Limit Check

V1C58S.M

Mon Aug 13 16:36:50 2001

000066

BFB

Data File : C:\HPCHEM\1\DATA\V33546.D

Acq On : 19 Apr 2001 5:16 pm

Sample : 50ppb VOA CAL CHECK WATER

Misc : QBV2041901A

MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\V2C71W.M (RTE Integrator)

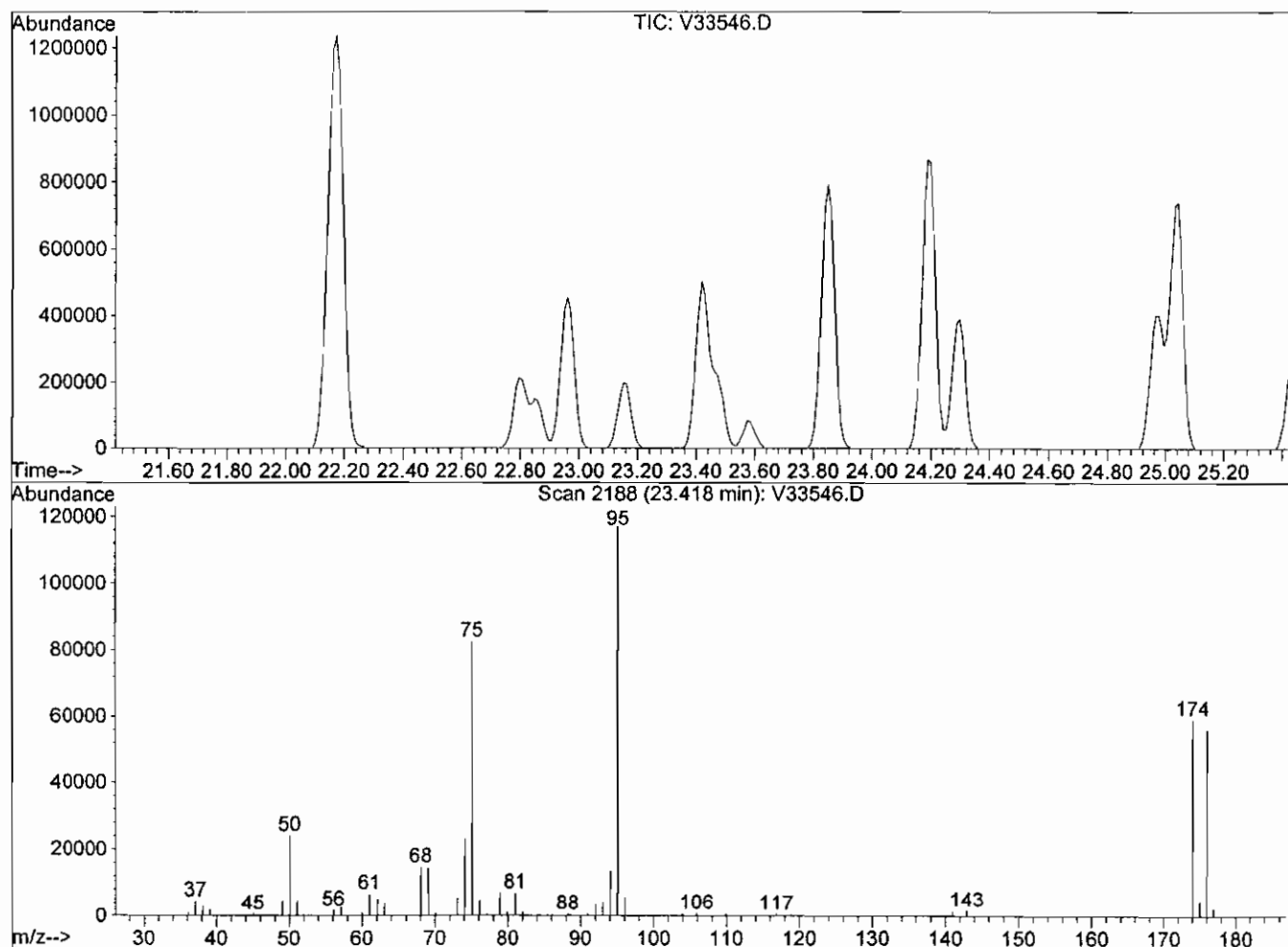
Title : VOCs BY GC/MS 8240/8260

Vial: 7

Operator: SS

Inst : VOA No. 2

Multiplr: 1.00



Spectrum Information: Scan 2188

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	10	40	20.6	24128	PASS
75	95	30	75	70.5	82552	PASS
95	95	100	100	100.0	117096	PASS
96	95	5	9	5.0	5900	PASS
173	174	0.00	2	0.0	0	PASS
174	95	40	100	50.6	59224	PASS
175	174	4	9	7.5	4446	PASS
176	174	94	105	94.7	56112	PASS
177	176	4	9	4.2	2381	PASS

000067

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\V33546.D
 Acq On : 19 Apr 2001 5:16 pm
 Sample : 50ppb VOA CAL CHECK WATER
 Misc : QBV2041901A
 MS Integration Params: rteint.p

Vial: 7
 Operator: SS
 Inst : VOA No. 2
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\V2C71W.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Mon Apr 16 08:02:01 2001
 Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	FLUOROBENZENE (ISTD)	1.000	1.000	0.0	110	-0.08
2	Dichlorodifluoromethane	2.393	2.184	8.7	105	-0.05
3 P	Chloromethane	0.912	0.894	2.0	112	-0.06
4 C	Vinyl Chloride	1.373	1.361	0.9	116	-0.06
5	Bromomethane	0.804	0.923	-14.8	147	-0.07
6	Chloroethane	0.652	0.653	-0.2	119	-0.06
7	Trichlorofluoromethane	4.091	4.107	-0.4	114	-0.08
8 C,M	1,1-Dichloroethylene	1.862	2.212	-18.8	135	-0.08
9	trans-1,2-Dichloroethylene	1.381	1.443	-4.5	117	-0.08
10	Carbon Disulfide	0.257	0.270	-5.1	129	-0.09
11	Methylene Chloride	1.036	1.117	-7.8	120	-0.08
12	tert-Butyl Methyl Ether (MT)	4.186	4.155	0.7	115	-0.09
13	Acetone	0.351	0.583	-66.1#	209#	-0.07
14 P	1,1-Dichloroethane	1.951	2.015	-3.3	117	-0.07
15	cis-1,2-Dichloroethylene	0.784	0.740	5.6	103	-0.08
16	2-Butanone	0.044	0.037#	15.9	119	-0.05
17	2,2-Dichloropropane	0.993	2.642	-166.1#	298#	-0.09
18	Bromochloromethane	0.675	0.703	-4.1	116	-0.08
19 C	Chloroform	3.115	3.155	-1.3	115	-0.08
20	1,1,1-Trichloroethane	3.491	3.554	-1.8	113	-0.08
21	1,1-Dichloropropylene	1.522	1.521	0.1	110	-0.08
22 S	d4-1,2-Dichloroethane (SURR)	3.174	3.258	-2.6	117	-0.11
23	Carbon Tetrachloride	2.846	2.821	0.9	110	-0.09
24	1,2-Dichloroethane	2.958	3.007	-1.7	115	-0.09
25 M	Benzene	2.775	2.601	6.3	106	-0.09
26	CHLOROBENZENE-d5 (ISTD)	1.000	1.000	0.0	98	-0.08
27 M	Trichloroethylene	0.476	0.526	-10.5	107	-0.07
28	Dibromomethane	0.458	0.530	-15.7	115	-0.09
29	Bromodichloromethane	1.024	1.223	-19.4	114	-0.09
30 C	1,2-Dichloropropane	0.300	0.324	-8.0	106	-0.08
31	cis-1,3-Dichloropropene	0.652	0.857	-31.4#	127	-0.08
32	2-Hexanone	0.164	0.167	-1.8	134	-0.07
33 S	Toluene-d8 (SURR)	1.482	1.552	-4.7	105	-0.09
34 C,M	Toluene	1.322	1.449	-9.6	108	-0.09
35	trans-1,3-Dichloropropene	0.747	0.998	-33.6#	134	-0.08
36	1,1,2-Trichloroethane	0.285	0.319	-11.9	114	-0.09
37	1,3-Dichloropropane	0.680	0.723	-6.3	105	-0.09
38	Tetrachloroethylene	0.320	0.310	3.1	95	-0.10
39	4-Methyl-2-Pentanone	0.285	0.310	-8.8	118	-0.08

(#) = Out of Range

V33546.D V2C71W.M

Thu May 03 15:59:25 2001

000068

Page 1

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\V33546.D
 Acq On : 19 Apr 2001 5:16 pm
 Sample : 50ppb VOA CAL CHECK WATER
 Misc : QBV2041901A
 MS Integration Params: rteint.p

Vial: 7
 Operator: SS
 Inst : VOA No. 2
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\V2C71W.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Mon Apr 16 08:02:01 2001
 Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
40	Dibromochloromethane	0.591	0.668	-13.0	115	-0.09
41	1,2-Dibromoethane	0.441	0.493	-11.8	112	-0.09
42 P,M	Chlorobenzene	0.749	0.780	-4.1	106	-0.09
43 C	Ethyl Benzene	1.776	2.059	-15.9	115	-0.08
44	p- & m-Xylenes	1.539	1.804	-17.2	116	-0.09
45	o-Xylene	1.610	1.843	-14.5	116	-0.08
46	Styrene	0.837	0.875	-4.5	107	-0.09
47	1,1,1,2-Tetrachloroethane	0.429	0.460	-7.2	107	-0.08
48	1,2-DICHLOROBENZENE-d4 (ISTD	1.000	1.000	0.0	107	-0.07
49 p	Bromoform	0.973	1.049	-7.8	118	-0.07
50 S	p-Bromofluorobenzene (SURR)	1.177	1.188	-0.9	106	-0.08
51 P	1,1,2,2-Tetrachloroethane	1.006	1.086	-8.0	116	-0.08
52	1,2,3-Trichloropropane	0.302	0.308	-2.0	114	-0.08
53	Isopropylbenzene	3.523	3.840	-9.0	111	-0.08
54	Bromobenzene	2.102	2.491	-18.5	122	-0.07
55	n-Propylbenzene	4.039	4.652	-15.2	117	-0.18
56	2-Chlorotoluene	3.658	3.522	3.7	99	0.03
57	4-Chlorotoluene	2.962	3.557	-20.1	125	-0.07
58	tert-Butylbenzene	2.459	2.876	-17.0	114	-0.08
59	1,3,5-trimethylbenzene	3.030	3.408	-12.5	115	-0.08
60	1,2,4-trimethylbenzene	2.984	3.377	-13.2	116	-0.07
61	sec-Butylbenzene	2.588	2.918	-12.8	111	-0.07
62	1,3-Dichlorobenzene	0.946	1.009	-6.7	111	-0.07
63	1,4-Dichlorobenzene	0.960	1.031	-7.4	109	-0.07
64	1,2-Dichlorobenzene	0.983	1.012	-3.0	109	-0.07
65	p-Isopropyltoluene	1.987	2.376	-19.6	120	-0.07
66	n-Butylbenzene	1.664	2.294	-37.9#	135	-0.07
67	1,2,4-Trichlorobenzene	0.427	0.404	5.4	128	-0.08
68	Naphthalene	0.876	0.820	6.4	118	-0.08
69	Hexachloro-1,3-Butadiene	0.399	0.470	-17.8	121	-0.08
70	1,2,3-Trichlorobenzene	0.382	0.366	4.2	125	-0.08

000069

Data File : C:\HPCHEM\1\DATA\V33546.D

Vial: 7

Acq On : 19 Apr 2001 5:16 pm

Operator: SS

Sample : 50ppb VOA CAL CHECK WATER

Inst : VOA No. 2

Misc : QBV2041901A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Apr 19 18:40 19101

Quant Results File: V2C71W.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C71W.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Mon Apr 16 08:02:01 2001

Response via : Initial Calibration

DataAcq Meth : V2C71W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.31	70	177611	50.00	ppb	-0.08
26) CHLOROBENZENE-d5(ISTD)	20.78	117	369042	50.00	ppb	-0.08
48) 1,2-DICHLOROBENZENE-d4(ISTD)	26.79	152	154700	50.00	ppb	-0.07

System Monitoring Compounds

22) d4-1,2-Dichloroethane(SURR)	13.57	65	578705	51.33	ppb	-0.11
Spiked Amount	50.000	Range	67 - 128	Recovery	=	102.66%
33) Toluene-d8(SURR)	17.57	98	572923	52.38	ppb	-0.09
Spiked Amount	50.000	Range	87 - 113	Recovery	=	104.76%
50) p-Bromofluorobenzene(SURR)	23.42	174	183736	50.46	ppb	-0.08
Spiked Amount	50.000	Range	63 - 166	Recovery	=	100.92%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	4.47	85	387991	45.65	ppb	99
3) Chloromethane	4.98	50	158852	49.05	ppb	100
4) Vinyl Chloride	5.26	62	241679	49.54	ppb	99
5) Bromomethane	6.22	94	164018	57.45	ppb	99
6) Chloroethane	6.42	64	116061	50.11	ppb	98
7) Trichlorofluoromethane	7.06	101	729496	50.20	ppb	99
8) 1,1-Dichloroethylene	8.32	61	392874	59.40	ppb	# 86
9) trans-1,2-Dichloroethylene	9.93	61	256362	52.27	ppb	# 100
10) Carbon Disulfide	9.03	76	47982	52.47	ppb	100
11) Methylene Chloride	9.20	49	198380	53.93	ppb	96
12) tert-Butyl Methyl Ether (M	9.72	73	737997	49.63	ppb	100
13) Acetone	7.92	43	103473	82.97	ppb	99
14) 1,1-Dichloroethane	10.71	63	357862	51.64	ppb	99
15) cis-1,2-Dichloroethylene	11.89	96	131420	47.16	ppb	# 99
16) 2-Butanone	11.48	72	6530	41.46	ppb	100
17) 2,2-Dichloropropane	11.89	77	469182	133.05	ppb	99
18) Bromochloromethane	12.48	49	124898	52.05	ppb	# 98
19) Chloroform	12.22	83	560368	50.64	ppb	100
20) 1,1,1-Trichloroethane	13.10	97	631220	50.91	ppb	98
21) 1,1-Dichloropropylene	13.43	75	270058	49.94	ppb	# 100
23) Carbon Tetrachloride	13.65	117	501064	49.56	ppb	99

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

000070

Data File : C:\HPCHEM\1\DATA\V33546.D

Vial: 7

Acq On : 19 Apr 2001 5:16 pm

Operator: SS

Sample : 50ppb VOA CAL CHECK WATER

Inst : VOA No. 2

Misc : QBV2041901A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Apr 19 18:40 19101

Quant Results File: V2C71W.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C71W.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Mon Apr 16 08:02:01 2001

Response via : Initial Calibration

DataAcq Meth : V2C71W

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
24) 1,2-Dichloroethane	13.74	62	533992	50.83	ppb	# 100
25) Benzene	13.89	78	461974	46.86	ppb	100
27) Trichloroethylene	15.16	95	193980	55.25	ppb	# 69
28) Dibromomethane	15.91	93	195670	57.86	ppb	# 100
29) Bromodichloromethane	15.85	83	451323	59.72	ppb	100
30) 1,2-Dichloropropane	15.43	63	119511	53.90	ppb	# 100
31) cis-1,3-Dichloropropene	16.96	75	632485	131.37	ppb	99
32) 2-Hexanone	18.36	43	61698	50.94	ppb	# 100
34) Toluene	17.73	91	534741	54.80	ppb	100
35) trans-1,3-Dichloropropene	17.95	75	736804	133.64	ppb	100
36) 1,1,2-Trichloroethane	18.28	83	117756	56.04	ppb	# 98
37) 1,3-Dichloropropane	18.80	76	266876	53.19	ppb	# 99
38) Tetrachloroethylene	19.17	166	114571	48.46	ppb	# 68
39) 4-Methyl-2-Pentanone	16.57	43	114523	54.40	ppb	99
40) Dibromochloromethane	19.39	129	246339	56.51	ppb	99
41) 1,2-Dibromoethane	19.84	107	181875	55.88	ppb	100
42) Chlorobenzene	20.86	112	287843	52.10	ppb	# 100
43) Ethyl Benzene	21.02	91	759694	57.95	ppb	# 100
44) p- & m-Xylenes	21.20	91	1331861	117.29	ppb	99
45) o-Xylene	22.15	91	680047	57.22	ppb	99
46) Styrene	22.17	104	645947	104.56	ppb	# 53
47) 1,1,1,2-Tetrachloroethane	20.94	131	169877	53.60	ppb	97
49) Bromoform	22.80	173	162345	53.92	ppb	# 100
51) 1,1,2,2-Tetrachloroethane	23.15	83	168039	53.97	ppb	# 99
52) 1,2,3-Trichloropropane	23.47	77	47622	51.02	ppb	97
53) Isopropylbenzene	22.96	105	594045	54.50	ppb	# 100
54) Bromobenzene	23.86	77	385327	59.24	ppb	# 100
55) n-Propylbenzene	23.85	91	719665	57.58	ppb	100
56) 2-Chlorotoluene	24.30	91	544872	48.14	ppb	# 92
57) 4-Chlorotoluene	24.30	91	550328	60.05	ppb	# 99
58) tert-Butylbenzene	24.96	119	444957	58.48	ppb	# 100
59) 1,3,5-trimethylbenzene	24.19	105	527167	56.23	ppb	# 100
60) 1,2,4-trimethylbenzene	25.04	105	522422	56.58	ppb	99
61) sec-Butylbenzene	25.44	105	451340	56.38	ppb	# 100

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

000071

Quantitation Report

(Not Reviewed)

Data File : C:\HPCHEM\1\DATA\V33546.D
Acq On : 19 Apr 2001 5:16 pm
Sample : 50ppb VOA CAL CHECK WATER
Misc : QBV2041901A
MS Integration Params: rteint.p
Quant Time: Apr 19 18:40 19101

Vial: 7
Operator: SS
Inst : VOA No. 2
Multiplr: 1.00

Quant Results File: V2C71W.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C71W.M (RTE Integrator)
Title : VOCs BY GC/MS 8240/8260
Last Update : Mon Apr 16 08:02:01 2001
Response via : Initial Calibration
DataAcq Meth : V2C71W

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
62) 1,3-Dichlorobenzene	25.86	146	156068	53.34	ppb	# 100
63) 1,4-Dichlorobenzene	26.07	146	159444	53.71	ppb	# 70
64) 1,2-Dichlorobenzene	26.84	146	156566	51.46	ppb	# 99
65) p-Isopropyltoluene	25.72	119	367615	59.80	ppb	# 99
66) n-Butylbenzene	26.59	91	354903	68.92	ppb	# 99
67) 1,2,4-Trichlorobenzene	30.42	180	62567	47.34	ppb	# 100
68) Naphthalene	30.99	128	126912	46.80	ppb	# 100
69) Hexachloro-1,3-Butadiene	30.86	225	72786	59.02	ppb	# 99
70) 1,2,3-Trichlorobenzene	31.66	182	56688	48.02	ppb	# 92

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

V33546.D V2C71W.M

Thu Apr 19 18:40:24 2001

000072

Page 3

Quantitati Report

Data File : C:\HPCHEM\1\DATA\V33546.D
 Acq On : 19 Apr 2001 5:16 pm
 Sample : 50ppb VOA CAL CHECK WATER
 Misc : QBV2041901A

Vial: 7
 Operator: SS
 Inst : VOA No. 2
 Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Apr 19 18:40 19101

Quant Results File: V2C71W.RES

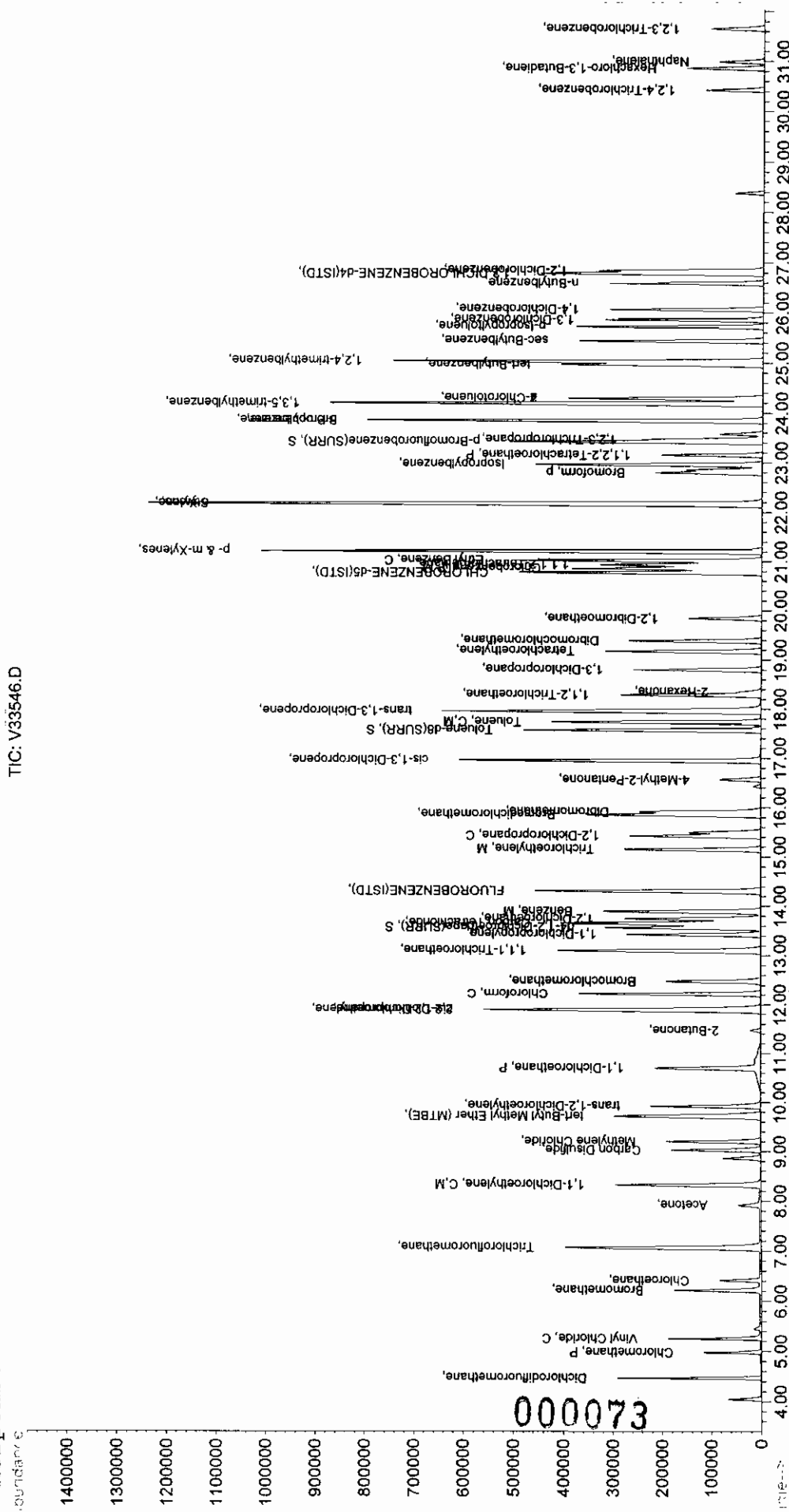
Method : C:\HPCHEM\1\METHODS\V2C71W.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Mon Apr 16 08:02:01 2001

Response via : Initial Calibration

TIC: V33546.D



Data File : C:\HPCHEM\1\DATA\V33547.D

Vial: 8

Acq On : 19 Apr 2001 6:50 pm

Operator: BB

Sample : METHOD BLANK WATER

Inst : VOA No. 2

Misc : QBV2041901A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Apr 19 19:23 19101

Quant Results File: V2C71W.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C71W.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Mon Apr 16 08:02:01 2001

Response via : Initial Calibration

DataAcq Meth : V2C71W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.33	70	176248	50.00	ppb	-0.05
26) CHLOROBENZENE-d5(ISTD)	20.79	117	326611	50.00	ppb	-0.06
48) 1,2-DICHLOROBENZENE-d4(IST	26.82	152	97821	50.00	ppb	-0.04

System Monitoring Compounds

22) d4-1,2-Dichloroethane(SURR	13.59	65	592351	52.95	ppb	-0.09
Spiked Amount	50.000	Range	67 - 128	Recovery	=	105.90%
33) Toluene-d8(SURR)	17.60	98	545469	56.35	ppb	-0.05
Spiked Amount	50.000	Range	87 - 113	Recovery	=	112.70%
50) p-Bromofluorobenzene(SURR)	23.44	174	135299	58.76	ppb	-0.06
Spiked Amount	50.000	Range	63 - 166	Recovery	=	117.52%

Target Compounds

						Qvalue
11) Methylene Chloride	9.23	49	3764	1.03	ppb	# 93
13) Acetone	7.95	43	36656	29.62	ppb	100

Quantitat; Report

Data File : C:\HPCHEM\1\DATA\V33547.D
 Acq On : 19 Apr 2001 6:50 pm
 Sample : METHOD BLANK WATER
 Misc : QBV2041901A

Vial: 8
 Operator: BB
 Inst : VOA No. 2
 Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Apr 19 19:23 19101

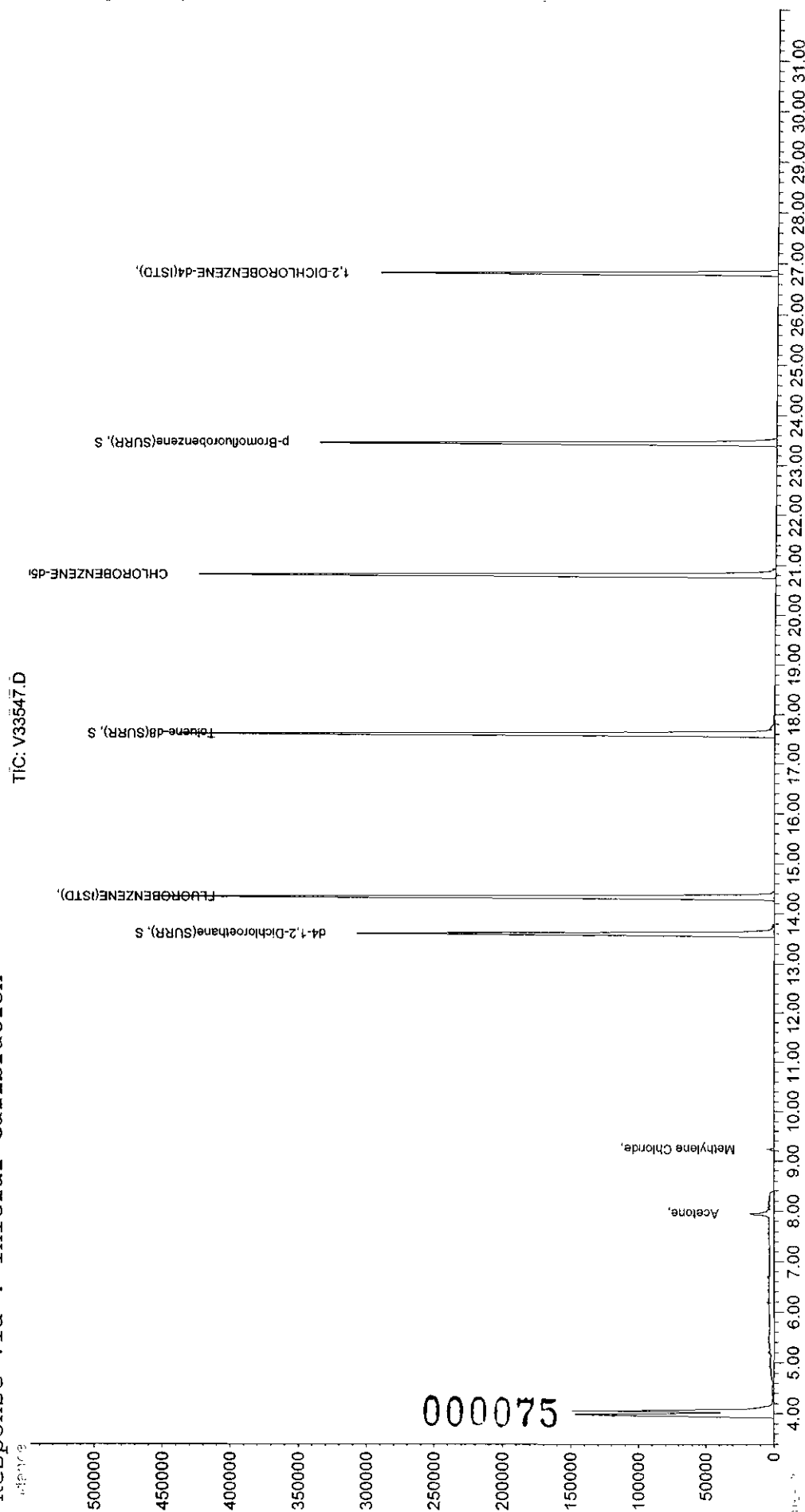
Quant Results File: V2C71W.RES

Method : C:\HPCHEM\1\METHODS\V2C71W.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Mon Apr 16 08:02:01 2001

Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\V33548.D

Vial: 9

Acq On : 19 Apr 2001 7:30 pm

Operator: BB

Sample : LCS WATER

Inst : VOA No. 2

Misc : QBV2041901A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Apr 19 20:03 19101

Quant Results File: V2C71W.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C71W.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Mon Apr 16 08:02:01 2001

Response via : Initial Calibration

DataAcq Meth : V2C71W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.31	70	169778	50.00	ppb	-0.08
26) CHLOROBENZENE-d5(ISTD)	20.79	117	336158	50.00	ppb	-0.07
48) 1,2-DICHLOROBENZENE-d4(IST	26.78	152	125878	50.00	ppb	-0.08

System Monitoring Compounds

22) d4-1,2-Dichloroethane(SURR	13.57	65	520118	48.27	ppb	-0.10
Spiked Amount	50.000	Range	67 - 128	Recovery	=	96.54%
33) Toluene-d8(SURR)	17.58	98	537979	54.00	ppb	-0.07
Spiked Amount	50.000	Range	87 - 113	Recovery	=	108.00%
50) p-Bromofluorobenzene(SURR)	23.42	174	153691	51.87	ppb	-0.08
Spiked Amount	50.000	Range	63 - 166	Recovery	=	103.74%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) 1,1-Dichloroethylene	8.33	61	355144	56.17	ppb	# 92
9) trans-1,2-Dichloroethylene	9.93	61	210411	44.88	ppb	# 100
11) Methylene Chloride	9.22	49	162170	46.12	ppb	# 86
13) Acetone	7.94	43	31896	26.75	ppb	100
14) 1,1-Dichloroethane	10.71	63	323025	48.76	ppb	100
18) Bromochloromethane	12.21	49	33383	14.55	ppb	# 77
19) Chloroform	12.23	83	526274	49.76	ppb	100
20) 1,1,1-Trichloroethane	13.11	97	595745	50.26	ppb	98
23) Carbon Tetrachloride	13.66	117	475251	49.17	ppb	99
24) 1,2-Dichloroethane	13.76	62	482859	48.08	ppb	# 100
25) Benzene	13.90	78	429127	45.54	ppb	100
27) Trichloroethylene	15.16	95	178886	55.93	ppb	# 99
28) Dibromomethane	15.86	93	12097	3.93	ppb	# 100
29) Bromodichloromethane	15.85	83	395729	57.49	ppb	99
30) 1,2-Dichloropropane	15.42	63	113406	56.15	ppb	# 100
31) cis-1,3-Dichloropropene	16.96	75	219408	50.03	ppb	99
34) Toluene	17.74	91	503669	56.67	ppb	99
35) trans-1,3-Dichloropropene	17.96	75	278189	55.39	ppb	# 98
36) 1,1,2-Trichloroethane	18.30	83	96191	50.26	ppb	# 43
38) Tetrachloroethylene	19.18	166	95002	44.11	ppb	97
39) 4-Methyl-2-Pentanone	16.43	43	9023	4.71	ppb	# 86

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

V33548.D V2C71W.M

Thu Apr 19 20:03:13 2001

Page 1

000076

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\V33548.D
 Acq On : 19 Apr 2001 7:30 pm
 Sample : LCS WATER
 Misc : QBV2041901A
 MS Integration Params: rteint.p
 Quant Time: Apr 19 20:03 19101

Vial: 9
 Operator: BB
 Inst : VOA No. 2
 Multiplr: 1.00

Quant Results File: V2C71W.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C71W.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Mon Apr 16 08:02:01 2001
 Response via : Initial Calibration
 DataAcq Meth : V2C71W

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
40) Dibromochloromethane	19.40	129	215125	54.18	ppb	99
42) Chlorobenzene	20.87	112	256797	51.03	ppb	# 100
43) Ethyl Benzene	21.02	91	664109	55.62	ppb	# 100
49) Bromoform	22.81	173	139869	57.09	ppb	# 100
51) 1,1,2,2-Tetrachloroethane	23.16	83	138587	54.71	ppb	# 72
62) 1,3-Dichlorobenzene	25.87	146	124477	52.28	ppb	# 100
63) 1,4-Dichlorobenzene	26.07	146	119405	49.43	ppb	# 70
64) 1,2-Dichlorobenzene	26.85	146	122025	49.29	ppb	# 100

Quantitati Report

Data File : C:\HPCHEM\1\DATA\V33548.D

Acq On : 19 Apr 2001 7:30 pm

Sample : LCS WATER

Misc : QBV2041901A

MS Integration Params: rteint.p

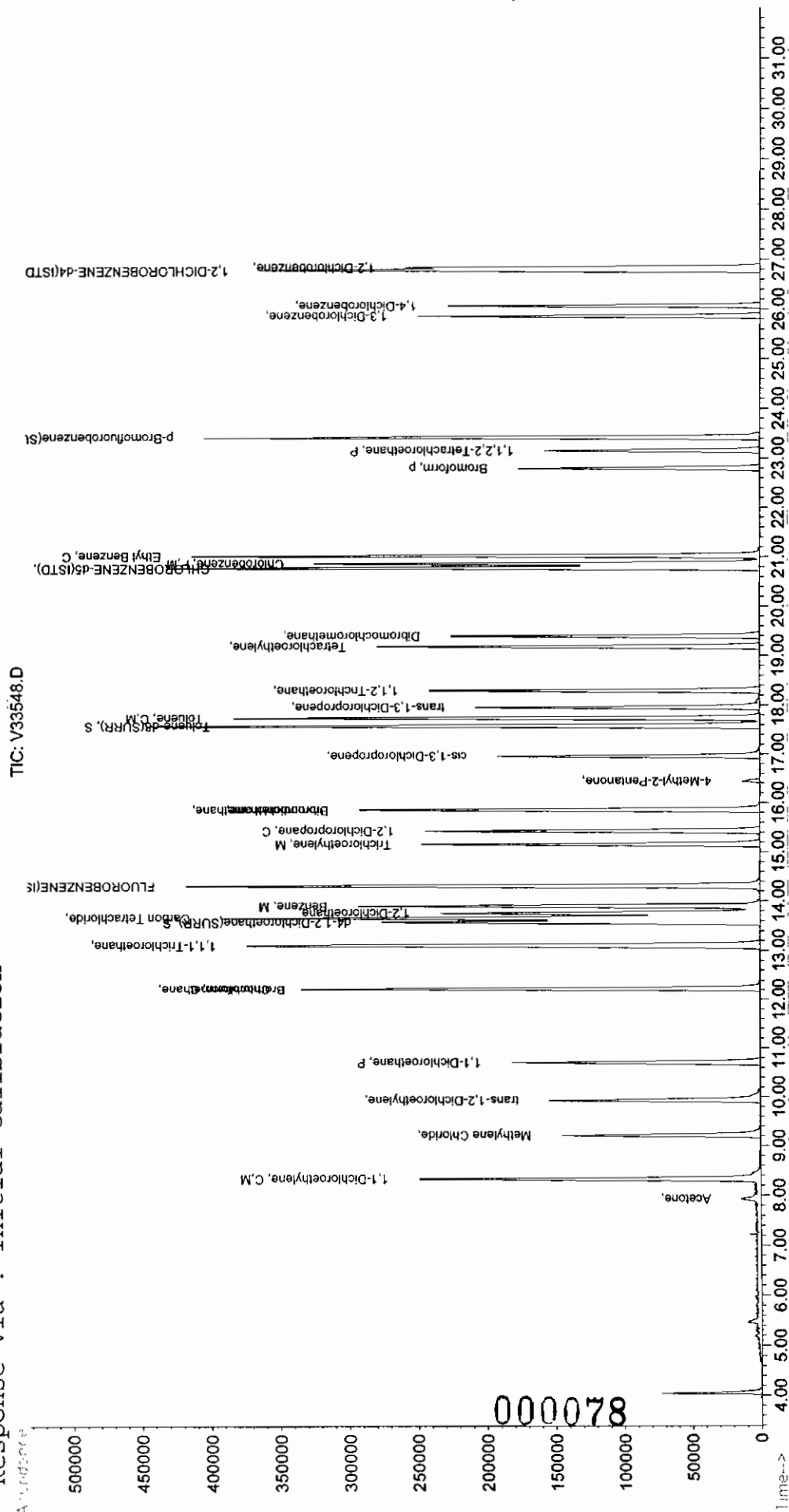
Quant Time: Apr 19 20:03 19101

```
Method
: C:\HPCHEM\1\METHODS\V2C71W.M (RTE Integrator)
```

Title : VOCs BY GC/MS 8240/8260

Last Update : Mon Apr 16 08:02:01 2001

Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\V33549.D
 Acq On : 19 Apr 2001 8:11 pm
 Sample : MATRIX SPIKE WATER
 Misc : QBV2041901A
 MS Integration Params: rteint.p
 Quant Time: Apr 19 20:43 19101

Vial: 10
 Operator: BB
 Inst : VOA No. 2
 Multiplr: 1.00

Quant Results File: V2C71W.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C71W.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Mon Apr 16 08:02:01 2001
 Response via : Initial Calibration
 DataAcq Meth : V2C71W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.30	70	159651	50.00	ppb	-0.09
26) CHLOROBENZENE-d5(ISTD)	20.78	117	324123	50.00	ppb	-0.08
48) 1,2-DICHLOROBENZENE-d4(IST)	26.78	152	104548	50.00	ppb	-0.07

System Monitoring Compounds

22) d4-1,2-Dichloroethane(SURR)	13.56	65	498946	49.24	ppb	-0.12
Spiked Amount	50.000	Range	67 - 128	Recovery	=	98.48%
33) Toluene-d8(SURR)	17.57	98	515628	53.68	ppb	-0.09
Spiked Amount	50.000	Range	87 - 113	Recovery	=	107.36%
50) p-Bromofluorobenzene(SURR)	23.43	174	139528	56.70	ppb	-0.07
Spiked Amount	50.000	Range	63 - 166	Recovery	=	113.40%

Target Compounds

						Qvalue
8) 1,1-Dichloroethylene	8.31	61	320734	53.95	ppb	# 92
13) Acetone	7.92	43	34983	31.21	ppb	100
25) Benzene	13.89	78	453322	51.16	ppb	100
27) Trichloroethylene	15.15	95	176573	57.26	ppb	# 98
34) Toluene	17.74	91	515013	60.10	ppb	100
42) Chlorobenzene	20.86	112	269070	55.45	ppb	# 100

Quantitatj Report

Data File : C:\HPCHEM\1\DATA\V33549.D
 Acq On : 19 Apr 2001 8:11 pm
 Sample : MATRIX SPIKE WATER
 Misc : QBV2041901A
 MS Integration Params: rteint.p
 Quant Time: Apr 19 20:43 19101

Vial: 10
 Operator: BB
 Inst : VOA No. 2
 Multiplr: 1.00

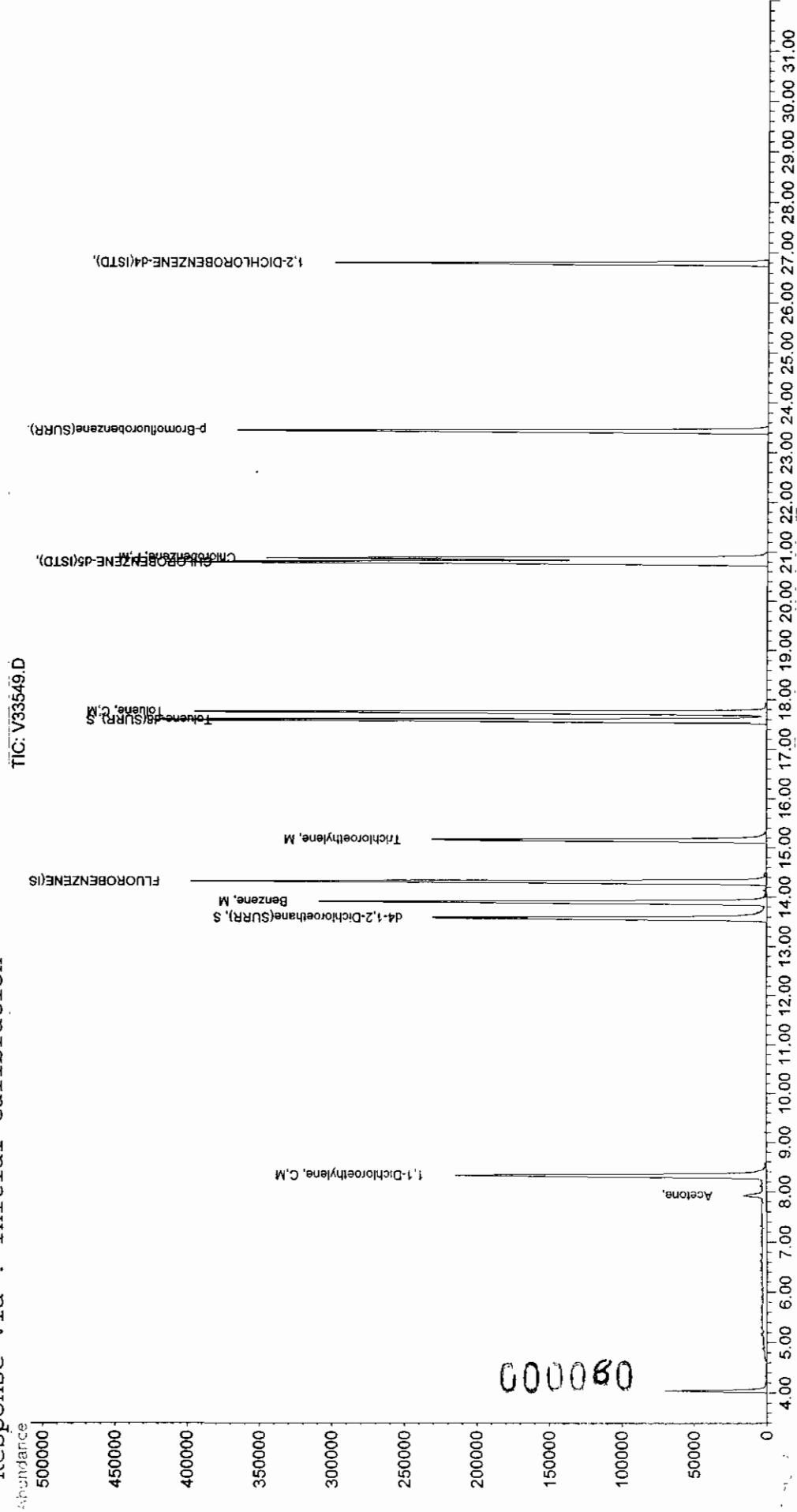
Quant Results File: V2C71W.RES

Method : C:\HPCHEM\1\METHODS\V2C71W.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Mon Apr 16 08:02:01 2001

Response via : Initial Calibration



Quantitation Report

(Not Reviewed)

Data File : C:\HPCHEM\1\DATA\V33550.D

Vial: 11

Acq On : 19 Apr 2001 8:50 pm

Operator: BB

Sample : MATRIX SPIKE DUP WATER

Inst : VOA No. 2

Misc : QBV2041901A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Apr 19 21:23 19101

Quant Results File: V2C71W.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C71W.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Mon Apr 16 08:02:01 2001

Response via : Initial Calibration

DataAcq Meth : V2C71W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.31	70	151305	50.00	ppb	-0.08
26) CHLOROBENZENE-d5(ISTD)	20.78	117	322152	50.00	ppb	-0.08
48) 1,2-DICHLOROBENZENE-d4(IST	26.78	152	109143	50.00	ppb	-0.08

System Monitoring Compounds

22) d4-1,2-Dichloroethane(SURR	13.56	65	482442	50.24	ppb	-0.11
Spiked Amount	50.000	Range	67 - 128	Recovery	=	100.48%
33) Toluene-d8(SURR)	17.57	98	494245	51.76	ppb	-0.08
Spiked Amount	50.000	Range	87 - 113	Recovery	=	103.52%
50) p-Bromofluorobenzene(SURR)	23.42	174	139606	54.34	ppb	-0.08
Spiked Amount	50.000	Range	63 - 166	Recovery	=	108.68%

Target Compounds

						Qvalue
8) 1,1-Dichloroethylene	8.32	61	290872	51.62	ppb	# 92
13) Acetone	7.94	43	34185	32.18	ppb	100
25) Benzene	13.89	78	429449	51.14	ppb	100
27) Trichloroethylene	15.15	95	163211	53.25	ppb	# 99
34) Toluene	17.73	91	484109	56.84	ppb	100
42) Chlorobenzene	20.87	112	255068	52.89	ppb	# 100

000081

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

Quantitatj Report

Data File : C:\HPCHEM\1\DATA\V33550.D
 Acq On : 19 Apr 2001 8:50 pm
 Sample : MATRIX SPIKE DUP WATER
 Misc : QBV2041901A

Vial: 11
 Operator: BB
 Inst : VOA No. 2
 Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Apr 19 21:23 19101

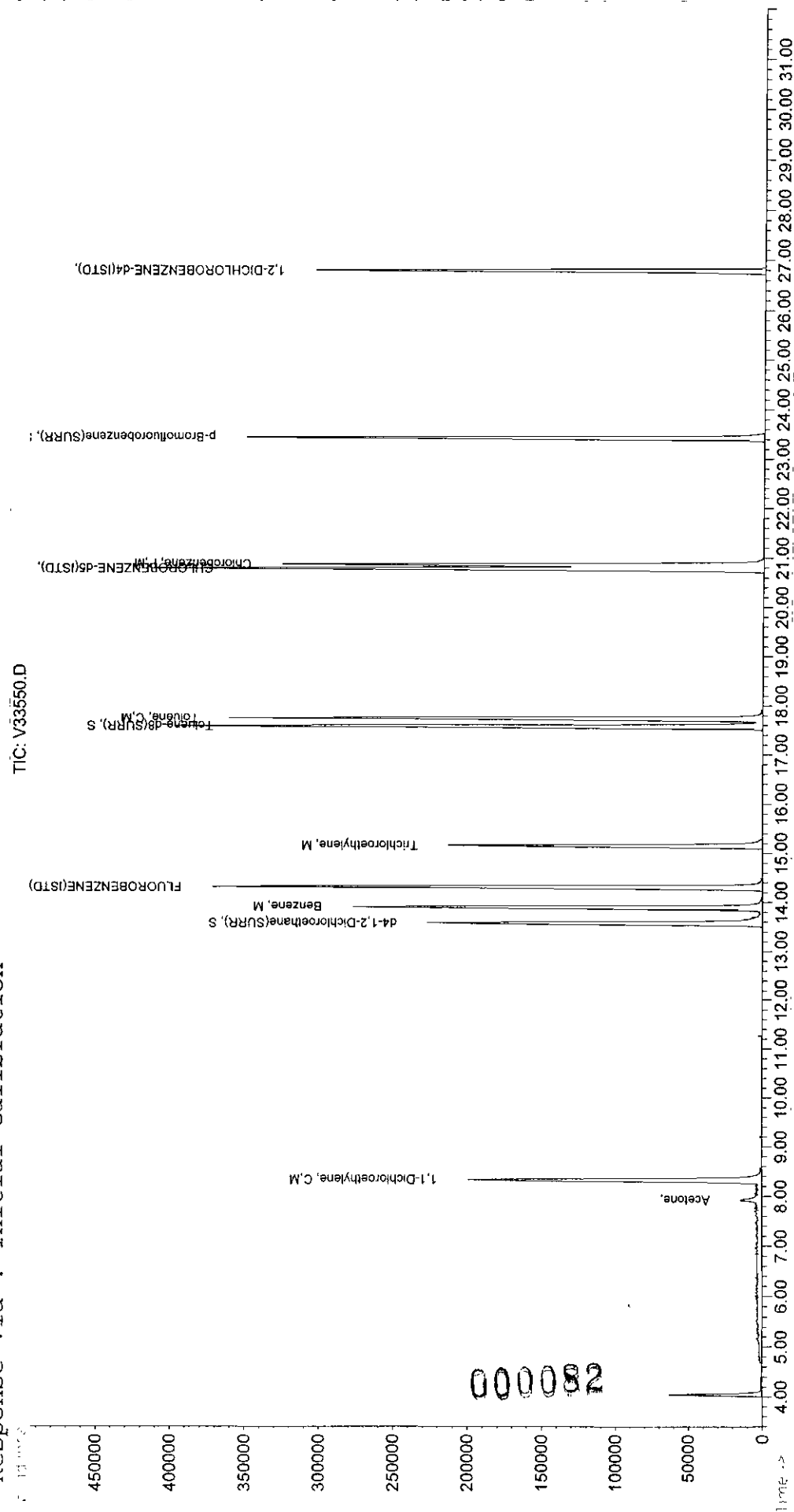
Quant Results File: V2C71W.RES

Method : C:\HPCHEM\1\METHODS\V2C71W.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Mon Apr 16 08:02:01 2001

Response via : Initial Calibration



BFB

Data File : C:\HPCHEM\1\DATA\VO3681.D

Acq On : 19 Apr 2001 7:39 pm

Sample : 50ppb VOA CAL CHECK WATER

Misc : QBV1041901A

MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\V1C60W.M (RTE Integrator)

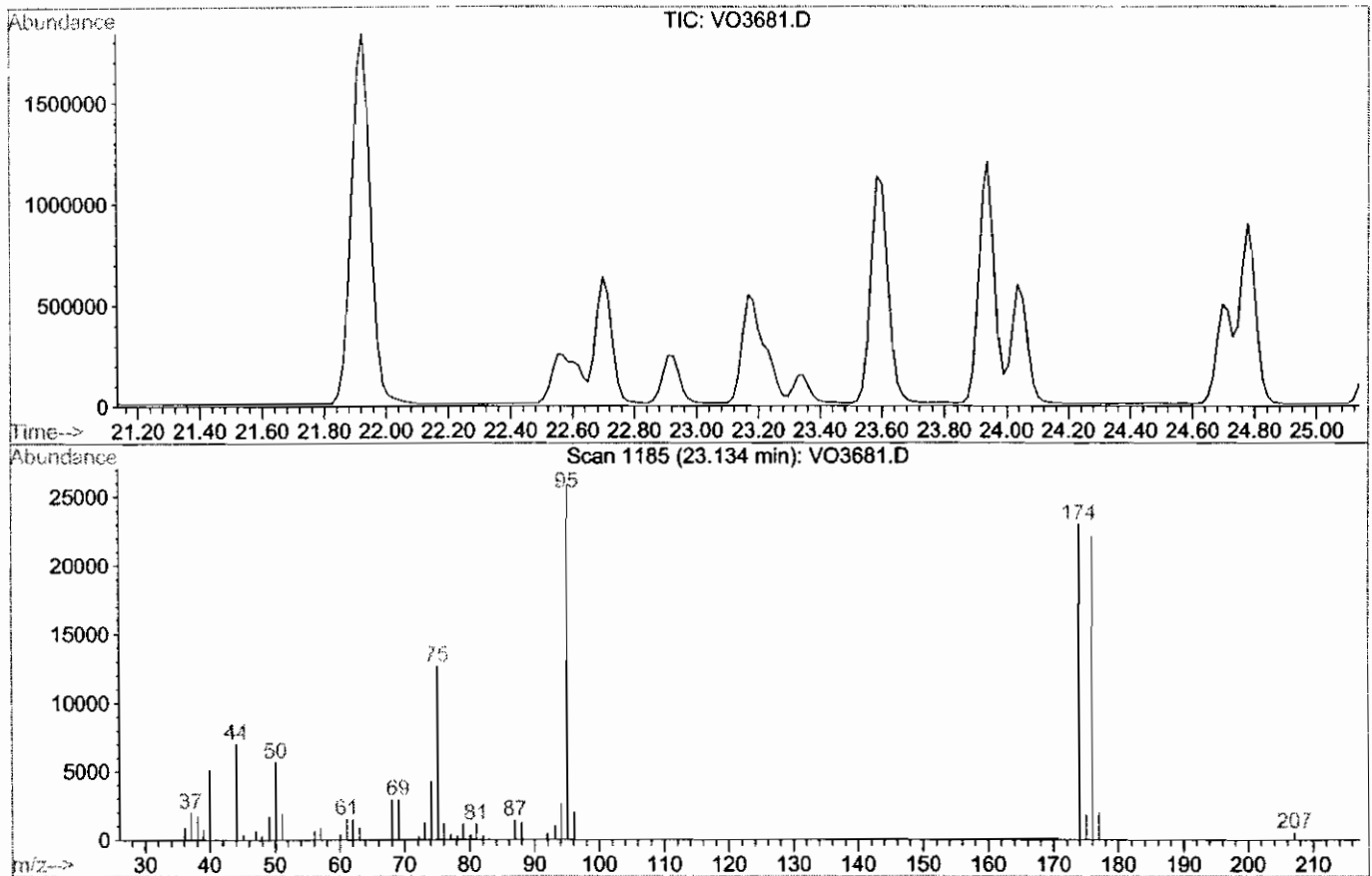
Title : VOCs BY GC/MS 8240/8260

Vial: 14

Operator: SS

Inst : VOA No.1

Multiplr: 1.00



Spectrum Information: Scan 1185

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	10	40	21.9	5654	PASS
75	95	30	60	48.9	12595	PASS
95	95	100	100	100.0	25768	PASS
96	95	5	9	7.6	1965	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	89.0	22944	PASS
175	174	5	9	7.7	1759	PASS
176	174	90	105	95.9	21992	PASS
177	176	5	9	8.9	1950	PASS

000083

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\VO3681.D
 Acq On : 19 Apr 2001 7:39 pm
 Sample : 50ppb VOA CAL CHECK WATER
 Misc : QBV1041901A
 MS Integration Params: rteint.p

Vial: 14
 Operator: SS
 Inst : VOA No.1
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\V1C60W.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Wed Apr 18 08:12:40 2001
 Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	FLUOROBENZENE(ISTD)	1.000	1.000	0.0	104	-0.10
2	Dichlorodifluoromethane	1.449	1.383	4.6	92	-0.07
3 P	Chloromethane	1.373	1.425	-3.8	111	-0.07
4 C	Vinyl Chloride	0.611	0.499	18.3	74	-0.08
5	Bromomethane	1.213	1.065	12.2	89	-0.07
6	Chloroethane	0.736	0.770	-4.6	102	-0.07
7	Trichlorofluoromethane	1.543	1.487	3.6	94	-0.08
8 C,M	1,1-Dichloroethylene	1.316	1.286	2.3	95	-0.08
9	trans-1,2-Dichloroethylene	2.019	2.123	-5.2	106	-0.08
	Carbon Disulfide	0.728	0.777	-6.7	111	-0.07
11	Methylene Chloride	2.297	2.198	4.3	107	-0.08
12	tert-Butyl Methyl Ether (MT	3.939	3.392	13.9	89	-0.08
13	Acetone	0.462	0.390	15.6	95	-0.07
14 P	1,1-Dichloroethane	2.617	2.720	-3.9	106	-0.08
15	cis-1,2-Dichloroethylene	1.640	1.596	2.7	100	-0.08
16	2-Butanone	0.121	0.112	7.4	95	-0.08
17	2,2-Dichloropropane	1.387	1.563	-12.7	123	-0.08
18	Bromochloromethane	1.328	1.404	-5.7	110	-0.08
19 C	Chloroform	2.674	2.486	7.0	95	-0.08
20	1,1,1-Trichloroethane	1.948	1.700	12.7	90	-0.08
21	1,1-Dichloropropylene	1.754	1.759	-0.3	103	-0.08
22 S	d4-1,2-Dichloroethane(SURR)	1.370	1.158	15.5	89	-0.08
23	Carbon Tetrachloride	1.474	1.273	13.6	89	-0.08
24	1,2-Dichloroethane	1.954	1.708	12.6	88	-0.08
25 M	Benzene	5.213	5.621	-7.8	110	-0.08
26	CHLOROBENZENE-d5(ISTD)	1.000	1.000	0.0	99	-0.08
27 M	Trichloroethylene	0.526	0.535	-1.7	98	-0.08
28	Dibromomethane	0.437	0.423	3.2	95	-0.10
29	Methyl Methacrylate	0.332	0.326	1.8	95	-0.08
30	Bromodichloromethane	0.772	0.740	4.1	94	-0.10
31 C	1,2-Dichloropropane	0.542	0.626	-15.5	112	-0.08
32	cis-1,3-Dichloropropene	0.809	0.870	-7.5	106	-0.10
33	2-Hexanone	0.266	0.297	-11.7	116	-0.08

(#) = Out of Range

VO3681.D V1C60W.M

Tue May 01 15:21:38 2001

000084

Page 1

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\VO3681.D
 Acq On : 19 Apr 2001 7:39 pm
 Sample : 50ppb VOA CAL CHECK WATER
 Misc : QBV1041901A
 MS Integration Params: rteint.p

Vial: 14
 Operator: SS
 Inst : VOA No.1
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\V1C60W.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Wed Apr 18 08:12:40 2001
 Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
34 S	Toluene-d8 (SURR)	1.302	1.321	-1.5	99	-0.08
35 C,M	Toluene	1.839	1.989	-8.2	104	-0.10
36	trans-1,3-Dichloropropene	0.687	0.698	-1.6	101	-0.08
37	1,1,2-Trichloroethane	0.386	0.408	-5.7	104	-0.08
38	1,3-Dichloropropane	0.738	0.781	-5.8	104	-0.08
39	Tetrachloroethylene	1.041	0.863	17.1	77	-0.08
40	4-Methyl-2-Pentanone	0.417	0.436	-4.6	104	-0.08
41	Dibromochloromethane	0.522	0.467	10.5	89	-0.10
42	1,2-Dibromoethane	0.454	0.439	3.3	97	-0.08
P,M	Chlorobenzene	1.085	1.114	-2.7	100	-0.10
44 C	Ethyl Benzene	1.830	1.963	-7.3	105	-0.08
45	p- & m-Xylenes	1.407	1.491	-6.0	103	-0.08
46	o-Xylene	1.467	1.550	-5.7	103	-0.08
47	Styrene	1.159	1.220	-5.3	104	-0.08
48	1,1,1,2-Tetrachloroethane	0.411	0.379	7.8	92	-0.08
49	1,2-DICHLOROBENZENE-d4 (ISTD)	1.000	1.000	0.0	104	-0.08
50 p	Bromoform	1.091	0.922	15.5	89	-0.08
51 S	p-Bromofluorobenzene (SURR)	1.380	1.261	8.6	95	-0.07
52 P	1,1,2,2-Tetrachloroethane	0.825	0.904	-9.6	113	-0.08
53	1,2,3-Trichloropropane	0.201	0.172	14.4	87	-0.08
54	Isopropylbenzene	2.663	2.713	-1.9	103	-0.08
55	1,2-Dibromo-3-Chloropropane	0.077	0.087	-13.0	123	-0.07
56	Bromobenzene	1.541	1.663	-7.9	109	-0.08
57	n-Propylbenzene	3.250	3.473	-6.9	108	-0.08
58	2-Chlorotoluene	2.410	2.015	16.4	84	0.01
59	4-Chlorotoluene	2.171	2.081	4.1	97	-0.08
60	tert-Butylbenzene	1.873	1.903	-1.6	105	-0.08
61	1,3,5-trimethylbenzene	2.106	2.131	-1.2	103	-0.07
62	1,2,4-trimethylbenzene	2.128	2.153	-1.2	103	-0.08
63	sec-Butylbenzene	2.065	2.158	-4.5	107	-0.07
	1,3-Dichlorobenzene	1.674	1.507	10.0	94	-0.07
	1,4-Dichlorobenzene	1.740	1.640	5.7	98	-0.08
66	1,2-Dichlorobenzene	1.505	1.467	2.5	103	-0.08

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\VO3681.D
 Acq On : 19 Apr 2001 7:39 pm
 Sample : 50ppb VOA CAL CHECK WATER
 Misc : QBV1041901A
 MS Integration Params: rteint.p

Vial: 14
 Operator: SS
 Inst : VOA No.1
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\V1C60W.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Wed Apr 18 08:12:40 2001
 Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev (min)
67	p-Isopropyltoluene	1.646	1.661	-0.9	104	-0.08
68	n-Butylbenzene	1.498	1.634	-9.1	114	-0.08
69	1,2,4-Trichlorobenzene	0.438	0.545	-24.4	142	-0.08
70	Naphthalene	0.402	0.568	-41.3#	170	-0.08
71	Hexachloro-1,3-Butadiene	0.056	0.065	-16.1	135	-0.08
72	1,2,3-Trichlorobenzene	0.228	0.296	-29.8#	156	-0.10

000086

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

VO3681.D V1C60W.M

Tue May 01 15:21:44 2001

Page 3

Quantitation Report

(Not Reviewed)

Data File : C:\HPCHEM\1\DATA\VO3681.D
 Acq On : 19 Apr 2001 7:39 pm
 Sample : 50ppb VOA CAL CHECK WATER
 Misc : QBV1041901A
 MS Integration Params: rteint.p
 Quant Time: Apr 19 20:11 19101

Vial: 14
 Operator: SS
 Inst : VOA No.1
 Multiplr: 1.00

Quant Results File: V1C60W.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C60W.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Wed Apr 18 08:12:40 2001
 Response via : Initial Calibration
 DataAcq Meth : V1C60W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.08	70	246261	50.00	ppb	-0.10
26) CHLOROBENZENE-d5(ISTD)	20.52	117	621629	50.00	ppb	-0.08
49) 1,2-DICHLOROBENZENE-d4(IST	26.53	152	337670	50.00	ppb	-0.08

System Monitoring Compounds

22) d4-1,2-Dichloroethane(SURR	13.35	65	285073	42.25	ppb	-0.08
Spiked Amount	50.000	Range	64 - 122	Recovery	=	84.50%
34) Toluene-d8(SURR)	17.33	98	821050	50.72	ppb	-0.08
Spiked Amount	50.000	Range	83 - 114	Recovery	=	101.44%
51) p-Bromofluorobenzene(SURR)	23.18	174	425884	45.69	ppb	-0.07
Spiked Amount	50.000	Range	71 - 126	Recovery	=	91.38%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	4.36	85	340680	47.74	ppb	100
3) Chloromethane	4.86	50	351041	51.91	ppb	100
4) Vinyl Chloride	5.11	62	122987	40.86	ppb	100
5) Bromomethane	6.08	94	262381	43.91	ppb	100
6) Chloroethane	6.27	64	189509	52.27	ppb	99
7) Trichlorofluoromethane	6.90	101	366208	48.18	ppb	100
8) 1,1-Dichloroethylene	8.14	61	316646	48.85	ppb	99
9) trans-1,2-Dichloroethylene	9.72	61	522708	52.55	ppb	99
10) Carbon Disulfide	8.85	76	191414	53.39	ppb	100
11) Methylene Chloride	9.01	49	541244	47.85	ppb	98
12) tert-Butyl Methyl Ether (M	9.53	73	835211	43.05	ppb	# 100
13) Acetone	7.77	43	96136	42.24	ppb	100
14) 1,1-Dichloroethane	10.50	63	669903	51.98	ppb	100
15) cis-1,2-Dichloroethylene	11.69	96	392928	48.63	ppb	# 100
16) 2-Butanone	11.30	72	27614	46.32	ppb	88
17) 2,2-Dichloropropane	11.67	77	384974	56.34	ppb	100
18) Bromochloromethane	12.27	49	345676	52.84	ppb	# 100
19) Chloroform	12.01	83	612269	46.49	ppb	100
20) 1,1,1-Trichloroethane	12.88	97	418632	43.64	ppb	100
21) 1,1-Dichloropropylene	13.21	75	433224	50.15	ppb	99
23) Carbon Tetrachloride	13.43	117	313379	43.16	ppb	100

(#) = qualifier out of range (m) = manual integration
 VO3681.D V1C60W.M Thu Apr 19 20:11:14 2001

000087

Quantitation Report

(Not Reviewed)

Data File : C:\HPCHEM\1\DATA\VO3681.D

Vial: 14

Acq On : 19 Apr 2001 7:39 pm

Operator: SS

Sample : 50ppb VOA CAL CHECK WATER

Inst : VOA No.1

Misc : QBV1041901A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Apr 19 20:11 19101

Quant Results File: V1C60W.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C60W.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Wed Apr 18 08:12:40 2001

Response via : Initial Calibration

DataAcq Meth : V1C60W

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
24) 1,2-Dichloroethane	13.53	62	420715	43.71	ppb	100
25) Benzene	13.67	78	1384125	53.91	ppb	100
27) Trichloroethylene	14.93	95	332296	50.77	ppb	98
28) Dibromomethane	15.69	93	263181	48.40	ppb	92
29) Methyl Methacrylate	15.28	69	202649	49.17	ppb	99
30) Bromodichloromethane	15.62	83	460195	47.96	ppb	99
31) 1,2-Dichloropropane	15.20	63	389219	57.76	ppb	97
32) cis-1,3-Dichloropropene	16.72	75	1081210	107.54	ppb	100
33) 2-Hexanone	18.14	43	184534	55.78	ppb	99
35) Toluene	17.49	91	1236440	54.09	ppb	100
36) trans-1,3-Dichloropropene	17.72	75	868266	101.66	ppb	100
37) 1,1,2-Trichloroethane	18.06	83	253608	52.82	ppb	98
38) 1,3-Dichloropropane	18.57	76	485254	52.89	ppb #	100
39) Tetrachloroethylene	18.93	166	536415	41.44	ppb #	100
40) 4-Methyl-2-Pentanone	16.35	43	270785	52.22	ppb	99
41) Dibromochloromethane	19.15	129	290593	44.76	ppb	100
42) 1,2-Dibromoethane	19.60	107	273011	48.37	ppb	100
43) Chlorobenzene	20.60	112	692753	51.34	ppb #	100
44) Ethyl Benzene	20.76	91	1220284	53.64	ppb	100
45) p- & m-Xylenes	20.96	91	1853634	105.95	ppb	100
46) o-Xylene	21.89	91	963495	52.83	ppb	100
47) Styrene	21.93	104	1517260	105.31	ppb	100
48) 1,1,1,2-Tetrachloroethane	20.68	131	235509	46.07	ppb	97
50) Bromoform	22.55	173	311276	42.25	ppb #	100
52) 1,1,2,2-Tetrachloroethane	22.91	83	305360	54.84	ppb	100
53) 1,2,3-Trichloropropane	23.23	110	58087	42.73	ppb #	94
54) Isopropylbenzene	22.70	105	916185	50.94	ppb #	100
55) 1,2-Dibromo-3-Chloropropan	28.13	75	29481	56.87	ppb	99
56) Bromobenzene	23.60	77	561704	53.98	ppb	93
57) n-Propylbenzene	23.59	91	1172741	53.44	ppb	100
58) 2-Chlorotoluene	24.04	91	680372	41.81	ppb #	88
59) 4-Chlorotoluene	24.04	91	702655	47.92	ppb #	93
60) tert-Butylbenzene	24.70	119	642660	50.80	ppb #	100
61) 1,3,5-trimethylbenzene	23.94	105	719581	50.60	ppb	100

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

Quantitation Report

(Not Reviewed)

Data File : C:\HPCHEM\1\DATA\VO3681.D
Acq On : 19 Apr 2001 7:39 pm
Sample : 50ppb VOA CAL CHECK WATER
Misc : QBV1041901A
MS Integration Params: rteint.p
Quant Time: Apr 19 20:11 19101

Vial: 14
Operator: SS
Inst : VOA No.1
Multiplr: 1.00

Quant Results File: V1C60W.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C60W.M (RTE Integrator)
Title : VOCs BY GC/MS 8240/8260
Last Update : Wed Apr 18 08:12:40 2001
Response via : Initial Calibration
DataAcq Meth : V1C60W

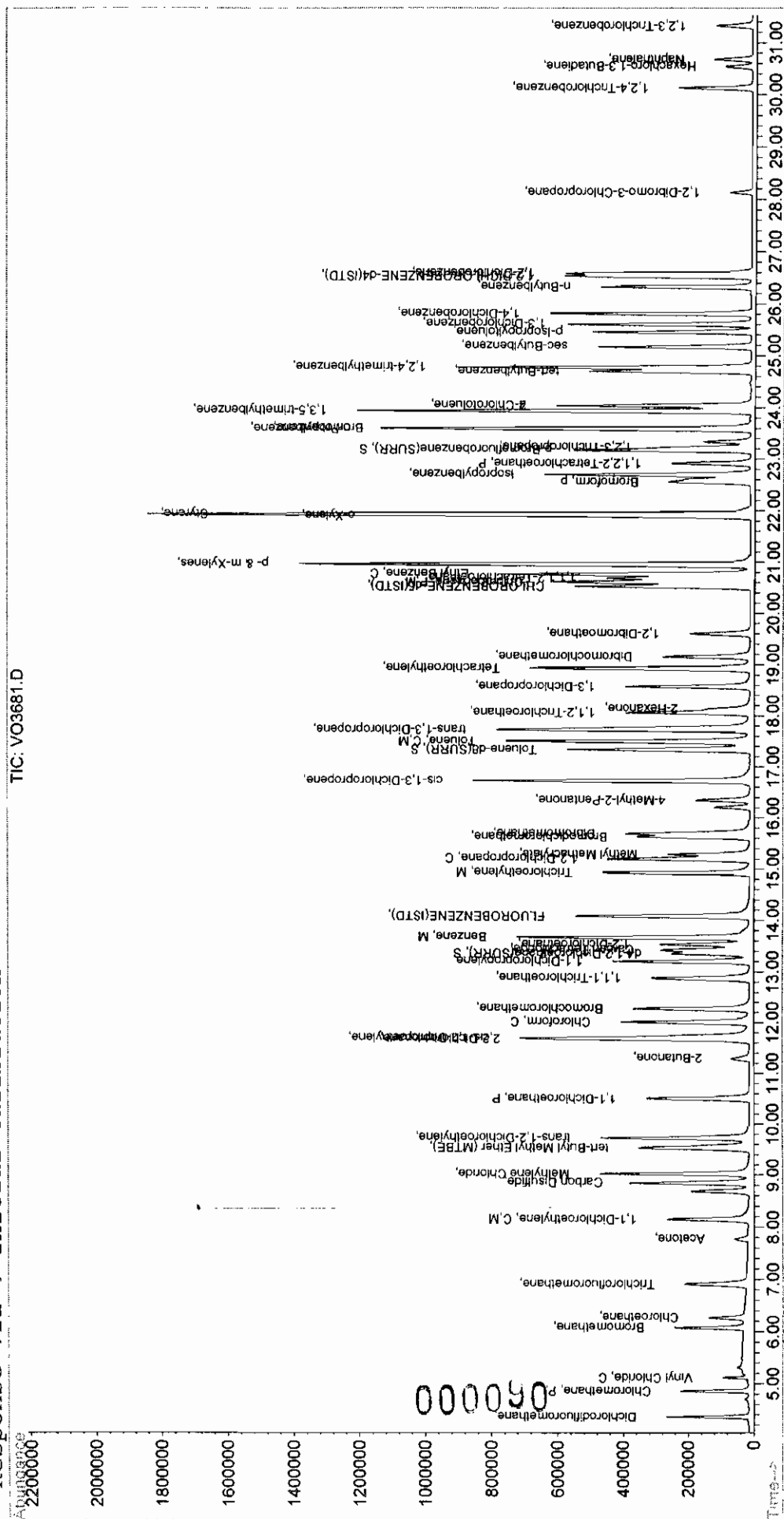
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
62) 1,2,4-trimethylbenzene	24.78	105	726838	50.58	ppb	99
63) sec-Butylbenzene	25.18	105	728650	52.24	ppb #	100
64) 1,3-Dichlorobenzene	25.62	146	508780	45.01	ppb #	95
65) 1,4-Dichlorobenzene	25.81	146	553835	47.14	ppb #	99
66) 1,2-Dichlorobenzene	26.58	146	495377	48.75	ppb #	99
67) p-Isopropyltoluene	25.46	119	560966	50.48	ppb #	100
68) n-Butylbenzene	26.33	91	551615	54.52	ppb	99
69) 1,2,4-Trichlorobenzene	30.13	180	184134	62.23	ppb	99
70) Naphthalene	30.68	128	191846	70.58	ppb #	97
71) Hexachloro-1,3-Butadiene	30.55	225	22073	58.85	ppb #	76
72) 1,2,3-Trichlorobenzene	31.32	182	100075	64.97	ppb	99

Quantitati Report

Vial: 14
Operator: SS
Inst : VOA No.1
Multiplr: 1.00

Quant Results File: V1C60W.RES

(RTE Integrator)



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\VO3682.D
 Acq On : 19 Apr 2001 8:19 pm
 Sample : METHOD BLANK WATER
 Misc : QBV1041901A
 MS Integration Params: rteint.p
 Quant Time: Apr 19 20:50 19101

Vial: 15
 Operator: SS
 Inst : VOA No.1
 Multiplr: 1.00

Quant Results File: V1C60W.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C60W.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Wed Apr 18 08:12:40 2001
 Response via : Initial Calibration
 DataAcq Meth : V1C60W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.07	70	244379	50.00	ppb	-0.10
26) CHLOROBENZENE-d5(ISTD)	20.52	117	585009	50.00	ppb	-0.09
49) 1,2-DICHLOROBENZENE-d4(IST	26.53	152	294567	50.00	ppb	-0.09

System Monitoring Compounds

22) d4-1,2-Dichloroethane(SURR	13.35	65	289301	43.20	ppb	-0.09
Spiked Amount	50.000	Range	64 - 122	Recovery	=	86.40%
34) Toluene-d8(SURR)	17.33	98	822714	54.00	ppb	-0.09
Spiked Amount	50.000	Range	83 - 114	Recovery	=	108.00%
51) p-Bromofluorobenzene(SURR)	23.18	174	373394	45.92	ppb	-0.07
Spiked Amount	50.000	Range	71 - 126	Recovery	=	91.84%

Target Compounds

						Qvalue
13) Acetone	7.77	43	42407	18.78	ppb	99
55) 1,2-Dibromo-3-Chloropropan	28.13	75	543	~~1.20~~	ppb	# 74
68) n-Butylbenzene	26.32	91	12519	1.42	ppb	# 97
69) 1,2,4-Trichlorobenzene	30.12	180	20655	8.00	ppb	97
70) Naphthalene	30.67	128	41856	17.65	ppb	100
71) Hexachloro-1,3-Butadiene	30.54	225	2678	8.19	ppb	# 73
72) 1,2,3-Trichlorobenzene	31.33	182	26231	19.52	ppb	99

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

VO3682.D V1C60W.M

Thu Apr 19 20:50:53 2001

000091

Page 1

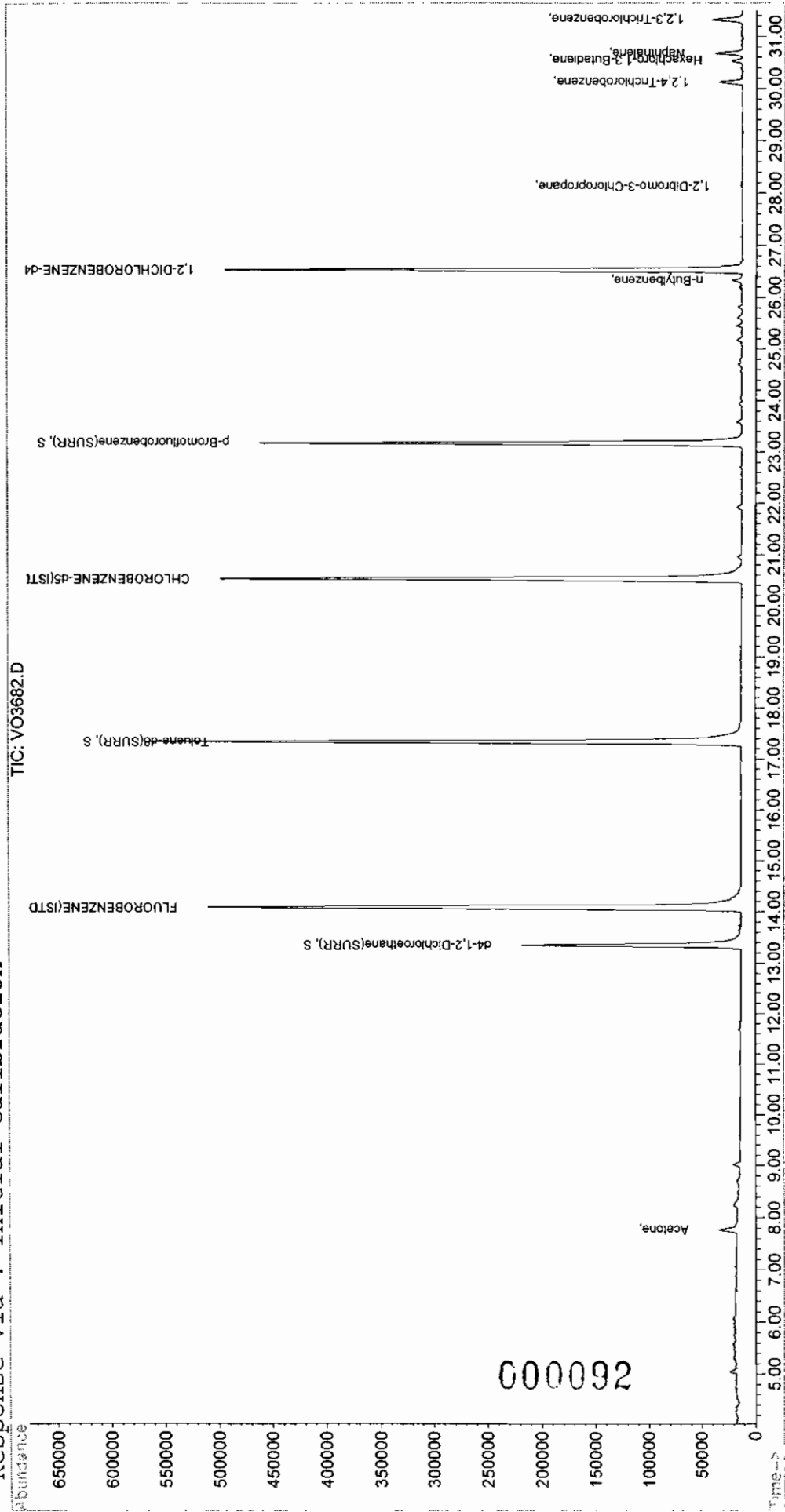
Quantitati Report

Data File : C:\HPCHEM\1\DATA\VO3682.D
 Acq On : 19 Apr 2001 8:19 pm
 Sample : METHOD BLANK WATER
 Misc : QBV1041901A
 MS Integration Params: rteint.p
 Quant Time: Apr 19 20:50 19101

Vial: 15
 Operator: SS
 Inst : VOA No.1
 Multiplr: 1.00

Quant Results File: V1C60W.RES

Method : C:\HPCHEM\1\METHODS\V1C60W.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Wed Apr 18 08:12:40 2001
 Response via : Initial Calibration



GC/MS QA-QC Check Report

Tune File : C:\HPCHEM\1\DATA\VO3681.D

Tune Time : 19 Apr 2001 7:39 pm

Daily Calibration File : C:\HPCHEM\1\DATA\VO3681.D

File	Sample	Surrogate	Recovery %	Internal Standard	Responses
VO3682.D	METHOD B	86 108 92	244379	585009	294567
VO3683.D	01040165	85 104 90	248547	615024	337195
VO3684.D	01040165	82 105 96	249748	615830	293936
VO3685.D	t01040193	84 110 96	252120	594473	286875
VO3686.D	t01040171	86 108 89	244562	594536	305280
VO3687.D	t01040174	86 103 86	251041	627557	346932
VO3688.D	t01040189	85 109 92	260312	634945	336419
VO3689.D	t01040237	83 104 95	258468	645858	320581
VO3690.D	t01040237	83 108 91	255029	613135	323398
VO3691.D	t01040237	81 108 95	256793	623570	297766
VO3692.D	t01040257	82 108 94	251223	612053	302169
VO3693.D	t01040257	81 106 93	260543	620741	296870
VO3694.D	t01040240	82 104 96	249724	617430	285197
VO3695.D	t01040212	80 109 92	253228	594530	291879
VO3696.D	t01040212	82 107 96	252451	611637	280158
VO3697.D	t01040211	81 110 95	253178	589808	278359
VO3698.D	t01040261	85 105 86	249408	599609	334954
VO3699.D	t01040261	82 108 95	270678	657025	319053

t - fails 12hr time check * - fails criteria

Created: Tue May 01 15:24:40 2001 VOA No.1

000093

BFB

Data File : C:\HPCHEM\1\DATA\VO3757.D

Vial: 1

Acq On : 22 Apr 2001 8:46 am

Operator: BB

Sample : 50 ppb VOA CAL CHK WATER

Inst : VOA No.1

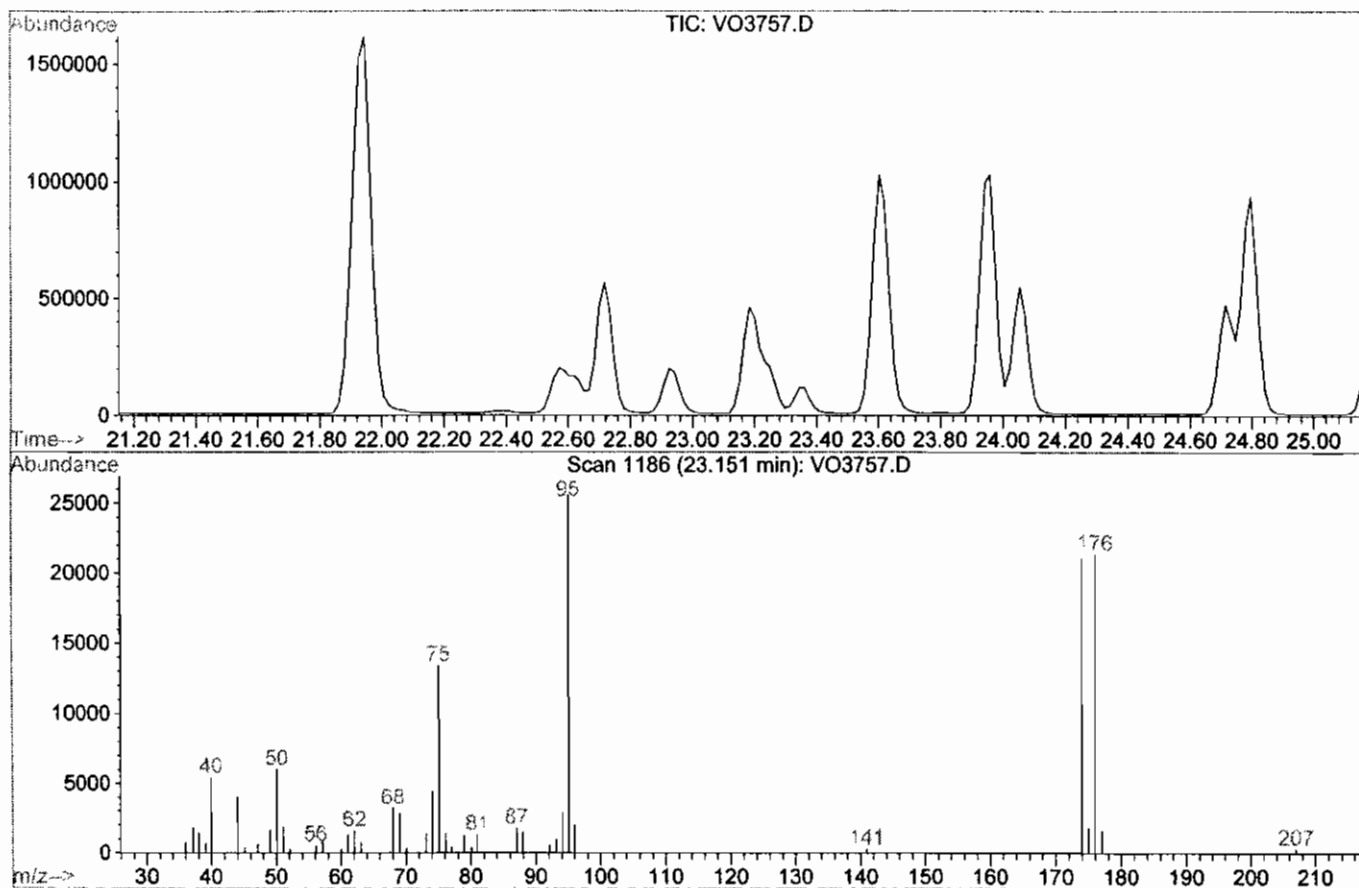
Misc : QBV1042201A

Multiplr: 1.00

MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\V1C60W.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260



Spectrum Information: Scan 1186

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	10	40	23.4	5974	PASS
75	95	30	60	52.2	13360	PASS
95	95	100	100	100.0	25584	PASS
96	95	5	9	7.7	1968	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	82.5	21096	PASS
175	174	5	9	8.4	1764	PASS
176	174	90	105	101.2	21344	PASS
177	176	5	9	7.6	1614	PASS

000094

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\VO3757.D
 Acq On : 22 Apr 2001 8:46 am
 Sample : 50 ppb VOA CAL CHK WATER
 Misc : QBV1042201A
 MS Integration Params: rteint.p

Vial: 1
 Operator: BB
 Inst : VOA No.1
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\V1C60W.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Wed Apr 18 08:12:40 2001
 Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	FLUOROBENZENE(ISTD)	1.000	1.000	0.0	92	-0.08
2	Dichlorodifluoromethane	1.449	1.234	14.8	73	-0.06
3 P	Chloromethane	1.373	1.341	2.3	93	-0.06
4 C	Vinyl Chloride	0.611	0.462	24.4	60	-0.08
5	Bromomethane	1.213	0.828	31.7#	61	-0.06
6	Chloroethane	0.736	0.801	-8.8	94	-0.06
7	Trichlorofluoromethane	1.543	1.612	-4.5	90	-0.06
8 C,M	1,1-Dichloroethylene	1.316	1.397	-6.2	91	-0.08
9	trans-1,2-Dichloroethylene	2.019	2.207	-9.3	97	-0.06
	Carbon Disulfide	0.728	0.826	-13.5	104	-0.06
11	Methylene Chloride	2.297	2.326	-1.3	100	-0.06
12	tert-Butyl Methyl Ether (MT	3.939	3.059	22.3	71	-0.06
13	Acetone	0.462	0.363	21.4	78	-0.06
14 P	1,1-Dichloroethane	2.617	2.881	-10.1	99	-0.06
15	cis-1,2-Dichloroethylene	1.640	1.665	-1.5	93	-0.06
16	2-Butanone	0.121	0.098	19.0	73	-0.08
17	2,2-Dichloropropane	1.387	1.898	-36.8#	132	-0.06
18	Bromochloromethane	1.328	1.470	-10.7	102	-0.06
19 C	Chloroform	2.674	2.596	2.9	87	-0.06
20	1,1,1-Trichloroethane	1.948	1.728	11.3	81	-0.08
21	1,1-Dichloropropylene	1.754	1.817	-3.6	94	-0.06
22 S	d4-1,2-Dichloroethane(SURR)	1.370	1.082	21.0	74	-0.06
23	Carbon Tetrachloride	1.474	1.318	10.6	81	-0.08
24	1,2-Dichloroethane	1.954	1.637	16.2	75	-0.06
25 M	Benzene	5.213	5.848	-12.2	101	-0.06
26	CHLOROBENZENE-d5(ISTD)	1.000	1.000	0.0	84	-0.06
27 M	Trichloroethylene	0.526	0.563	-7.0	87	-0.08
28	Dibromomethane	0.437	0.418	4.3	80	-0.08
29	Methyl Methacrylate	0.332	0.297	10.5	73	-0.06
30	Bromodichloromethane	0.772	0.786	-1.8	85	-0.08
31 C	1,2-Dichloropropane	0.542	0.700	-29.2#	106	-0.08
32	cis-1,3-Dichloropropene	0.809	0.931	-15.1	96	-0.08
33	2-Hexanone	0.266	0.258	3.0	85	-0.08

(#) = Out of Range

VO3757.D V1C60W.M

Thu Apr 26 08:06:08 2001

000095

Page 1

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\VO3757.D
 Acq On : 22 Apr 2001 8:46 am
 Sample : 50 ppb VOA CAL CHK WATER
 Misc : QBV1042201A
 MS Integration Params: rteint.p

Vial: 1
 Operator: BB
 Inst : VOA No.1
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\V1C60W.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Wed Apr 18 08:12:40 2001
 Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev (min)
34 S	Toluene-d8 (SURR)	1.302	1.349	-3.6	86	-0.06
35 C,M	Toluene	1.839	2.106	-14.5	93	-0.08
36	trans-1,3-Dichloropropene	0.687	0.713	-3.8	87	-0.06
37	1,1,2-Trichloroethane	0.386	0.400	-3.6	86	-0.06
38	1,3-Dichloropropane	0.738	0.764	-3.5	86	-0.06
39	Tetrachloroethylene	1.041	0.648	37.8#	49#	-0.06
40	4-Methyl-2-Pentanone	0.417	0.401	3.8	81	-0.06
41	Dibromochloromethane	0.522	0.449	14.0	73	-0.08
42	1,2-Dibromoethane	0.454	0.403	11.2	75	-0.06
P,M	Chlorobenzene	1.085	1.143	-5.3	87	-0.08
44 C	Ethyl Benzene	1.830	2.064	-12.8	94	-0.06
45	p- & m-Xylenes	1.407	1.550	-10.2	90	-0.06
46	o-Xylene	1.467	1.616	-10.2	91	-0.06
47	Styrene	1.159	1.269	-9.5	91	-0.06
48	1,1,1,2-Tetrachloroethane	0.411	0.390	5.1	80	-0.06
49	1,2-DICHLOROBENZENE-d4 (ISTD)	1.000	1.000	0.0	86	-0.06
50 p	Bromoform	1.091	0.848	22.3	67	-0.06
51 S	p-Bromofluorobenzene (SURR)	1.380	1.217	11.8	76	-0.06
52 P	1,1,2,2-Tetrachloroethane	0.825	0.865	-4.8	90	-0.06
53	1,2,3-Trichloropropane	0.201	0.173	13.9	72	-0.06
54	Isopropylbenzene	2.663	2.878	-8.1	90	-0.06
55	1,2-Dibromo-3-Chloropropane	0.077	0.087	-13.0	102	-0.05
56	Bromobenzene	1.541	1.753	-13.8	95	-0.06
57	n-Propylbenzene	3.250	3.793	-16.7	97	-0.06
58	2-Chlorotoluene	2.410	1.817	24.6	63	0.03
59	4-Chlorotoluene	2.171	2.377	-9.5	91	-0.06
60	tert-Butylbenzene	1.873	2.238	-19.5	102	-0.06
61	1,3,5-trimethylbenzene	2.106	2.298	-9.1	91	-0.05
62	1,2,4-trimethylbenzene	2.128	2.315	-8.8	92	-0.06
63	sec-Butylbenzene	2.065	2.394	-15.9	98	-0.06
	1,3-Dichlorobenzene	1.674	1.675	-0.1	86	-0.06
	1,4-Dichlorobenzene	1.740	1.764	-1.4	87	-0.06
66	1,2-Dichlorobenzene	1.505	1.509	-0.3	88	-0.06

(#) = Out of Range

VO3757.D V1C60W.M

Thu Apr 26 08:06:14 2001

000096

Page 2

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\VO3757.D
 Acq On : 22 Apr 2001 8:46 am
 Sample : 50 ppb VOA CAL CHK WATER
 Misc : QBV1042201A
 MS Integration Params: rteint.p

Vial: 1
 Operator: BB
 Inst : VOA No.1
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\V1C60W.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Wed Apr 18 08:12:40 2001
 Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
67	p-Isopropyltoluene	1.646	1.826	-10.9	94	-0.06
68	n-Butylbenzene	1.498	1.943	-29.7#	112	-0.06
69	1,2,4-Trichlorobenzene	0.438	0.655	-49.5#	141	-0.06
70	Naphthalene	0.402	0.690	-71.6#	170	-0.06
71	Hexachloro-1,3-Butadiene	0.056	0.093	-66.1#	159	-0.08
72	1,2,3-Trichlorobenzene	0.228	0.381	-67.1#	166	-0.08

000097

Data File : C:\HPCHEM\1\DATA\VO3757.D

Vial: 1

Acq On : 22 Apr 2001 8:46 am

Operator: BB

Sample : 50 ppb VOA CAL CHK WATER

Inst : VOA No.1

Misc : QBV1042201A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Apr 22 9:18 19101

Quant Results File: V1C60W.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C60W.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Wed Apr 18 08:12:40 2001

Response via : Initial Calibration

DataAcq Meth : V1C60W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) FLUOROBENZENE (ISTD)	14.09	70	217911	50.00	ppb	-0.08
26) CHLOROBENZENE-d5 (ISTD)	20.54	117	525655	50.00	ppb	-0.06
49) 1,2-DICHLOROBENZENE-d4 (IST)	26.55	152	279018	50.00	ppb	-0.06

System Monitoring Compounds

22) d4-1,2-Dichloroethane (SURR)	13.37	65	235853	39.50	ppb	-0.06
Spiked Amount	50.000	Range	64 - 122	Recovery	=	79.00%
34) Toluene-d8 (SURR)	17.35	98	709049	51.80	ppb	-0.06
Spiked Amount	50.000	Range	83 - 114	Recovery	=	103.60%
51) p-Bromofluorobenzene (SURR)	23.18	174	339598	44.09	ppb	-0.06
Spiked Amount	50.000	Range	71 - 126	Recovery	=	88.18%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	4.36	85	269004	42.60	ppb	100
3) Chloromethane	4.86	50	292244	48.83	ppb	100
4) Vinyl Chloride	5.11	62	100736	37.82	ppb	99
5) Bromomethane	6.08	94	180484	34.13	ppb	100
6) Chloroethane	6.28	64	174584	54.42	ppb	99
7) Trichlorofluoromethane	6.92	101	351336	52.24	ppb	100
8) 1,1-Dichloroethylene	8.15	61	304364	53.07	ppb	95
9) trans-1,2-Dichloroethylene	9.74	61	480878	54.64	ppb	98
10) Carbon Disulfide	8.85	76	180001	56.74	ppb	99
11) Methylene Chloride	9.03	49	506816	50.63	ppb	97
12) tert-Butyl Methyl Ether (M	9.55	73	666578	38.83	ppb	# 100
13) Acetone	7.77	43	79010	39.23	ppb	98
14) 1,1-Dichloroethane	10.51	63	627752	55.05	ppb	100
15) cis-1,2-Dichloroethylene	11.71	96	362890	50.76	ppb	# 99
16) 2-Butanone	11.30	72	21284	40.35	ppb	86
17) 2,2-Dichloropropane	11.69	77	413530	68.40	ppb	100
18) Bromochloromethane	12.29	49	320403	55.35	ppb	# 100
19) Chloroform	12.03	83	565736	48.55	ppb	100
20) 1,1,1-Trichloroethane	12.88	97	376554	44.36	ppb	100
21) 1,1-Dichloropropylene	13.22	75	395953	51.80	ppb	99
23) Carbon Tetrachloride	13.43	117	287217	44.70	ppb	100

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

000098

Quantitation Report

(Not Reviewed)

Data File : C:\HPCHEM\1\DATA\VO3757.D

Vial: 1

Acq On : 22 Apr 2001 8:46 am

Operator: BB

Sample : 50 ppb VOA CAL CHK WATER

Inst : VOA No.1

Misc : QBV1042201A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Apr 22 9:18 19101

Quant Results File: V1C60W.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C60W.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Wed Apr 18 08:12:40 2001

Response via : Initial Calibration

DataAcq Meth : V1C60W

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
24) 1,2-Dichloroethane	13.54	62	356827	41.89	ppb	100
25) Benzene	13.69	78	1274278	56.09	ppb	100
27) Trichloroethylene	14.93	95	295726	53.43	ppb	97
28) Dibromomethane	15.70	93	219868	47.82	ppb	89
29) Methyl Methacrylate	15.30	69	156211	44.82	ppb	99
30) Bromodichloromethane	15.64	83	413340	50.94	ppb	99
31) 1,2-Dichloropropane	15.20	63	367856	64.56	ppb	# 96
32) cis-1,3-Dichloropropene	16.74	75	978819	115.13	ppb	99
33) 2-Hexanone	18.14	43	135502	48.44	ppb	100
35) Toluene	17.51	91	1107003	57.27	ppb	100
36) trans-1,3-Dichloropropene	17.74	75	749747	103.81	ppb	100
37) 1,1,2-Trichloroethane	18.07	83	210383	51.82	ppb	97
38) 1,3-Dichloropropane	18.59	76	401623	51.77	ppb	# 100
39) Tetrachloroethylene	18.94	166	340866	31.14	ppb	# 100
40) 4-Methyl-2-Pentanone	16.37	43	210615	48.04	ppb	99
41) Dibromochloromethane	19.17	129	236018	42.99	ppb	100
42) 1,2-Dibromoethane	19.62	107	211962	44.41	ppb	100
43) Chlorobenzene	20.62	112	600623	52.64	ppb	# 100
44) Ethyl Benzene	20.78	91	1085083	56.41	ppb	100
45) p- & m-Xylenes	20.98	91	1629429	110.14	ppb	100
46) o-Xylene	21.91	91	849593	55.08	ppb	100
47) Styrene	21.94	104	1334564	109.55	ppb	99
48) 1,1,1,2-Tetrachloroethane	20.70	131	205259	47.49	ppb	97
50) Bromoform	22.57	173	236633	38.87	ppb	# 100
52) 1,1,2,2-Tetrachloroethane	22.93	83	241241	52.43	ppb	100
53) 1,2,3-Trichloropropane	23.25	110	48293	43.00	ppb	# 94
54) Isopropylbenzene	22.72	105	802941	54.03	ppb	# 100
55) 1,2-Dibromo-3-Chloropropan	28.15	75	24338	56.81	ppb	97
56) Bromobenzene	23.62	77	489097	56.88	ppb	91
57) n-Propylbenzene	23.60	91	1058416	58.37	ppb	100
58) 2-Chlorotoluene	24.05	91	507002	37.70	ppb	# 88
59) 4-Chlorotoluene	24.05	91	663353	54.74	ppb	# 93
60) tert-Butylbenzene	24.71	119	624525	59.74	ppb	# 99
61) 1,3,5-trimethylbenzene	23.96	105	641271	54.57	ppb	100

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

VO3757.D V1C60W.M

Sun Apr 22 09:18:10 2001

000099

Page 2

Data File : C:\HPCHEM\1\DATA\VO3757.D

Vial: 1

Acq On : 22 Apr 2001 8:46 am

Operator: BB

Sample : 50 ppb VOA CAL CHK WATER

Inst : VOA No.1

Misc : QBV1042201A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Apr 22 9:18 19101

Quant Results File: V1C60W.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C60W.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Wed Apr 18 08:12:40 2001

Response via : Initial Calibration

DataAcq Meth : V1C60W

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
62) 1,2,4-trimethylbenzene	24.80	105	645891	54.39	ppb	99
63) sec-Butylbenzene	25.18	105	668005	57.96	ppb	# 100
64) 1,3-Dichlorobenzene	25.62	146	467359	50.04	ppb	# 95
65) 1,4-Dichlorobenzene	25.83	146	492174	50.70	ppb	# 100
66) 1,2-Dichlorobenzene	26.60	146	421069	50.14	ppb	# 100
67) p-Isopropyltoluene	25.47	119	509408	55.47	ppb	# 100
68) n-Butylbenzene	26.34	91	542216	64.86	ppb	99
69) 1,2,4-Trichlorobenzene	30.15	180	182751	74.74	ppb	99
70) Naphthalene	30.69	128	192533	85.72	ppb	# 97
71) Hexachloro-1,3-Butadiene	30.55	225	25934	83.68	ppb	# 77
72) 1,2,3-Trichlorobenzene	31.34	182	106246	83.47	ppb	98

Quantitat; Report

Data File : C:\HPCHEM\1\DATA\VO3757.D
 Acq On : 22 Apr 2001 8:46 am
 Sample : 50 ppb VOA CAL CHK WATER
 Misc : QBV1042201A

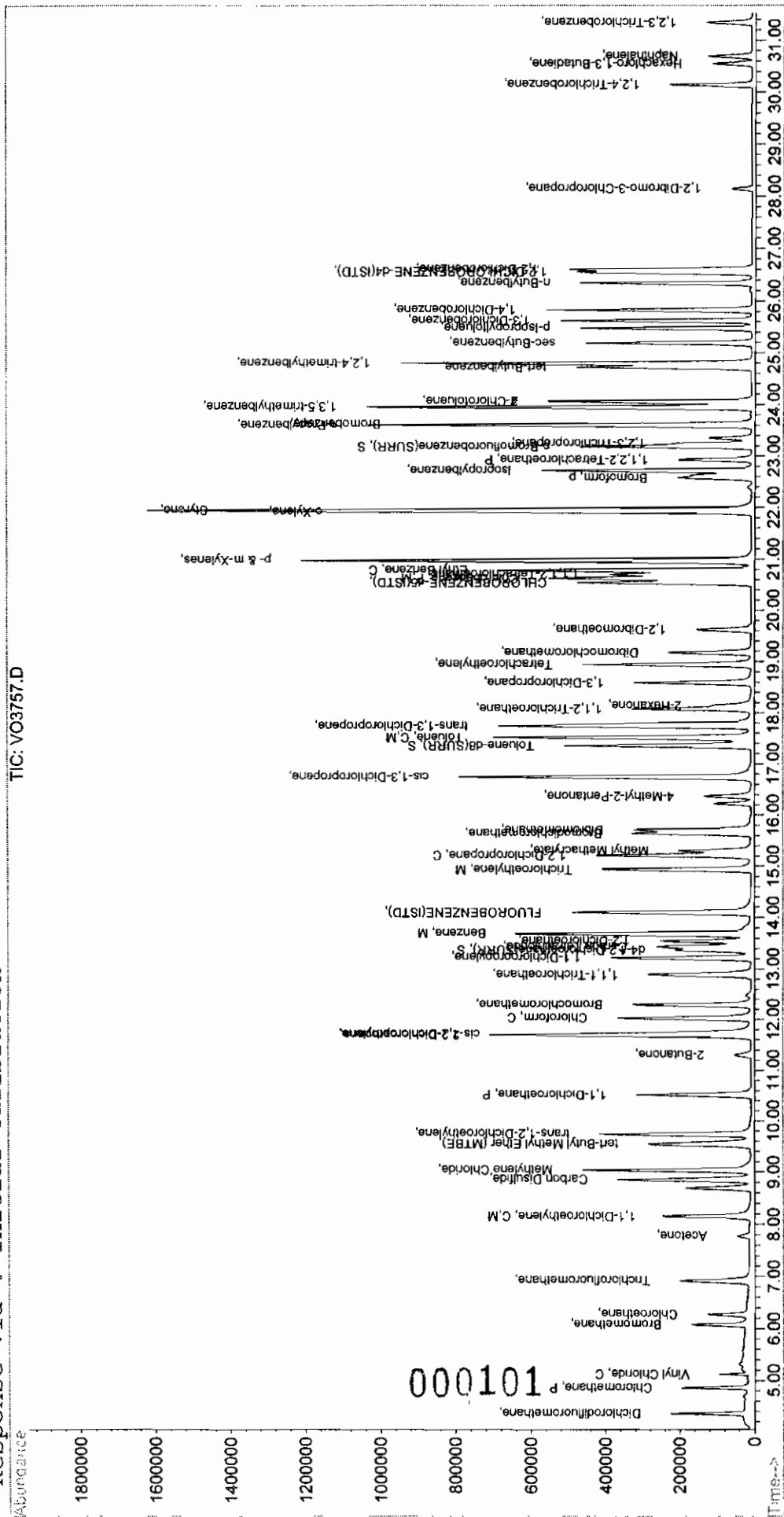
Vial: 1
 Operator: BB
 Inst : VOA No.1
 Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Apr 22 9:18 19101

Quant Results File: V1C60W.RES

Method : C:\HPCHEM\1\METHODS\V1C60W.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Wed Apr 18 08:12:40 2001
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\VO3758.D

Vial: 2

Acq On : 22 Apr 2001 9:24 am

Operator: BB

Sample : MBLK VOA WATER

Inst : VOA No.1

Misc : QBV1042201A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Apr 22 9:56 19101

Quant Results File: V1C60W.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C60W.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Wed Apr 18 08:12:40 2001

Response via : Initial Calibration

DataAcq Meth : V1C60W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) FLUOROBENZENE (ISTD)	14.09	70	216443	50.00	ppb	-0.09
26) CHLOROBENZENE-d5 (ISTD)	20.53	117	525119	50.00	ppb	-0.07
49) 1,2-DICHLOROBENZENE-d4 (ISTD)	26.53	152	240000	50.00	ppb	-0.09

System Monitoring Compounds

22) d4-1,2-Dichloroethane (SURR)	13.36	65	249586	42.08	ppb	-0.07
Spiked Amount	50.000	Range	64 - 122	Recovery	=	84.16%
34) Toluene-d8 (SURR)	17.34	98	713262	52.16	ppb	-0.07
Spiked Amount	50.000	Range	83 - 114	Recovery	=	104.32%
51) p-Bromofluorobenzene (SURR)	23.18	174	310461	46.86	ppb	-0.07
Spiked Amount	50.000	Range	71 - 126	Recovery	=	93.72%

Target Compounds

						Qvalue
13) Acetone	7.79	43	42976	21.48	ppb	97
68) n-Butylbenzene	26.34	91	8694	1.21	ppb	# 95
69) 1,2,4-Trichlorobenzene	30.14	180	16576	7.88	ppb	# 89
70) Naphthalene	30.69	128	36233	18.76	ppb	# 96
71) Hexachloro-1,3-Butadiene	30.54	225	1123	4.21	ppb	# 55
72) 1,2,3-Trichlorobenzene	31.33	182	20134	18.39	ppb	# 50

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

000102

VO3758.D V1C60W.M

Sun Apr 22 09:56:45 2001

Page 1

Quantitati Report

Data File : C:\HPCHEM\1\DATA\VO3758.D

Acq On : 22 Apr 2001 9:24 am

Sample : MBLK VOA WATER

Misc : QBV1042201A

MS Integration Params: rteint.p

Quant Time: Apr 22 9:56 19101

Vial: 2
Operator: BB
Inst : VOA No.1
Multiplr: 1.00

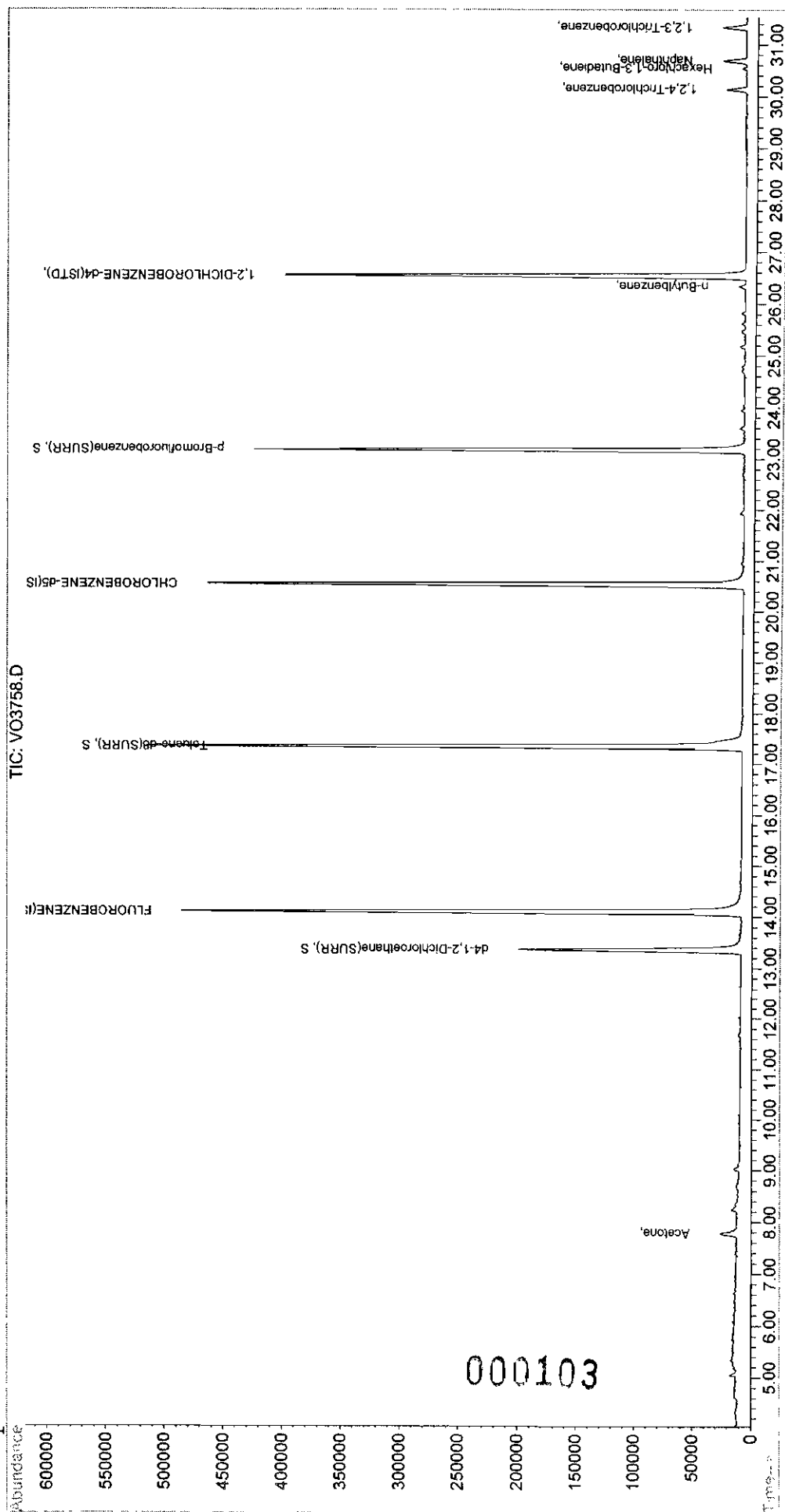
Quant Results File: V1C60W.RES

Method : C:\HPCHEM\1\METHODS\V1C60W.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Wed Apr 18 08:12:40 2001

Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\VO3759.D

Vial: 3

Acq On : 22 Apr 2001 10:05 am

Operator: BB

Sample : LCS VOA WATER

Inst : VOA No.1

Misc : QBV1042201A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Apr 22 10:37 19101

Quant Results File: V1C60W.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C60W.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Wed Apr 18 08:12:40 2001

Response via : Initial Calibration

DataAcq Meth : V1C60W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.09	70	222424	50.00	ppb	-0.08
26) CHLOROBENZENE-d5(ISTD)	20.52	117	526823	50.00	ppb	-0.08
49) 1,2-DICHLOROBENZENE-d4(IST	26.54	152	241662	50.00	ppb	-0.08

System Monitoring Compounds

22) d4-1,2-Dichloroethane(SURR	13.35	65	243472	39.95	ppb	-0.08
Spiked Amount	50.000	Range	64 - 122	Recovery	=	79.90%
34) Toluene-d8(SURR)	17.33	98	729238	53.16	ppb	-0.08
Spiked Amount	50.000	Range	83 - 114	Recovery	=	106.32%
51) p-Bromofluorobenzene(SURR)	23.18	174	309439	46.39	ppb	-0.07
Spiked Amount	50.000	Range	71 - 126	Recovery	=	92.78%

Target Compounds

						Qvalue
8) 1,1-Dichloroethylene	8.14	61	229729	39.24	ppb	94
9) trans-1,2-Dichloroethylene	9.72	61	380726	42.38	ppb	98
11) Methylene Chloride	9.03	49	405305	39.67	ppb	96
13) Acetone	7.77	43	47863	23.28	ppb	98
14) 1,1-Dichloroethane	10.51	63	493144	42.37	ppb	100
18) Bromochloromethane	12.01	49	40671	6.88	ppb	# 100
19) Chloroform	12.01	83	453349	38.11	ppb	99
20) 1,1,1-Trichloroethane	12.88	97	289963	33.46	ppb	100
23) Carbon Tetrachloride	13.43	117	213671	32.58	ppb	99
24) 1,2-Dichloroethane	13.53	62	305096	35.09	ppb	100
25) Benzene	13.67	78	1026858	44.28	ppb	100
27) Trichloroethylene	14.93	95	235764	42.50	ppb	97
28) Dibromomethane	15.64	93	9296	2.02	ppb	# 24
30) Bromodichloromethane	15.64	83	308383	37.92	ppb	99
31) 1,2-Dichloropropane	15.20	63	300217	52.57	ppb	# 96
32) cis-1,3-Dichloropropene	16.74	75	349221	40.98	ppb	99
35) Toluene	17.49	91	925377	47.77	ppb	100
36) trans-1,3-Dichloropropene	17.72	75	296175	40.92	ppb	99
37) 1,1,2-Trichloroethane	18.06	83	168313	41.36	ppb	95
39) Tetrachloroethylene	18.93	166	255608	23.30	ppb	# 100
40) 4-Methyl-2-Pentanone	16.22	43	32021	7.29	ppb	# 84

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

VO3759.D V1C60W.M

Sun Apr 22 10:37:11 2001

000104

Page 1

Data File : C:\HPCHEM\1\DATA\VO3759.D

Vial: 3

Acq On : 22 Apr 2001 10:05 am

Operator: BB

Sample : LCS VOA WATER

Inst : VOA No.1

Misc : QBV1042201A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Apr 22 10:37 19101

Quant Results File: V1C60W.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C60W.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Wed Apr 18 08:12:40 2001

Response via : Initial Calibration

DataAcq Meth : V1C60W

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
41) Dibromochloromethane	19.17	129	187205	34.03	ppb	100
43) Chlorobenzene	20.62	112	494349	43.23	ppb #	100
44) Ethyl Benzene	20.77	91	854105	44.30	ppb	100
50) Bromoform	22.57	173	185364	35.15	ppb #	100
52) 1,1,2,2-Tetrachloroethane	22.92	83	197485	49.56	ppb	100
64) 1,3-Dichlorobenzene	25.62	146	324852	40.16	ppb #	95
65) 1,4-Dichlorobenzene	25.83	146	351531	41.81	ppb #	100
66) 1,2-Dichlorobenzene	26.60	146	299597	41.19	ppb #	100
69) 1,2,4-Trichlorobenzene	30.15	180	2496	1.18	ppb #	50
70) Naphthalene	30.69	128	5558	2.86	ppb #	94
72) 1,2,3-Trichlorobenzene	31.34	182	3586	3.25	ppb #	48

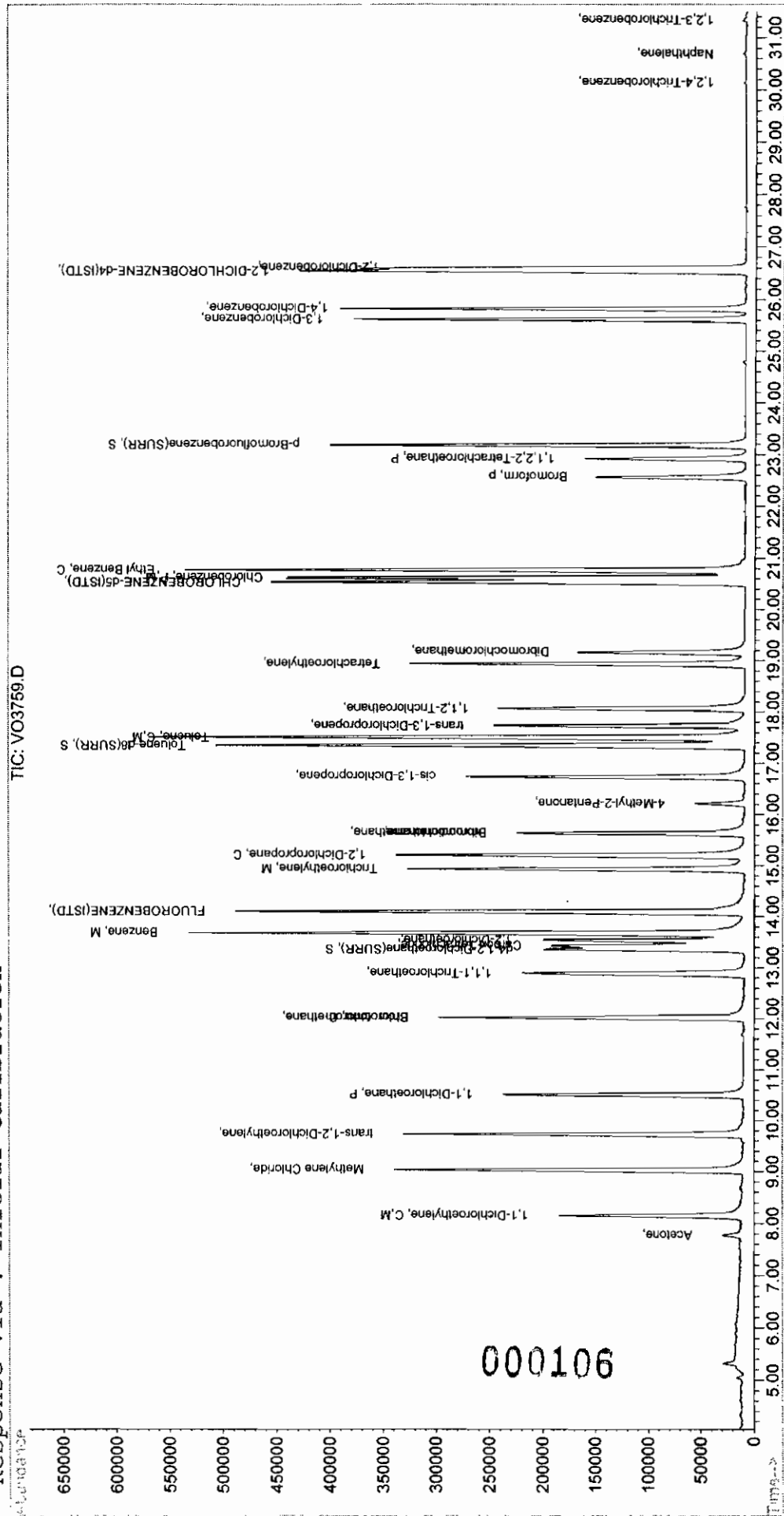
Quantitat: Report

Data File : C:\HPCHEM\1\DATA\VO3759.D
 Acq On : 22 Apr 2001 10:05 am
 Sample : LCS VOA WATER
 Misc : QBV1042201A
 MS Integration Params: rteint.p
 Quant Time: Apr 22 10:37 19101

Vial: 3
 Operator: BB
 Inst : VOA No.1
 Multiplr: 1.00

Quant Results File: V1C60W.RES

Method : C:\HPCHEM\1\METHODS\V1C60W.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Wed Apr 18 08:12:40 2001
 Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\VO3760.D

Vial: 4

Acq On : 22 Apr 2001 10:45 am

Operator: BB

Sample : MS VOA WATER

Inst : VOA No.1

Misc : QBV1042201A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Apr 22 11:16 19101

Quant Results File: V1C60W.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C60W.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Wed Apr 18 08:12:40 2001

Response via : Initial Calibration

DataAcq Meth : V1C60W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.09	70	217975	50.00	ppb	-0.08
26) CHLOROBENZENE-d5(ISTD)	20.54	117	519295	50.00	ppb	-0.06
49) 1,2-DICHLOROBENZENE-d4(IST	26.54	152	235685	50.00	ppb	-0.08

System Monitoring Compounds

22) d4-1,2-Dichloroethane(SURR	13.35	65	250079	41.87	ppb	-0.08
Spiked Amount	50.000	Range	64 - 122	Recovery	=	83.74%
34) Toluene-d8(SURR)	17.35	98	697063	51.55	ppb	-0.06
Spiked Amount	50.000	Range	83 - 114	Recovery	=	103.10%
51) p-Bromofluorobenzene(SURR)	23.18	174	300483	46.19	ppb	-0.06
Spiked Amount	50.000	Range	71 - 126	Recovery	=	92.38%

Target Compounds

						Qvalue
8) 1,1-Dichloroethylene	8.15	61	298597	52.05	ppb	95
13) Acetone	7.77	43	44971	22.32	ppb	97
24) 1,2-Dichloroethane	13.67	62	9071	1.06	ppb	# 94
25) Benzene	13.67	78	1326857	58.38	ppb	100
27) Trichloroethylene	14.93	95	307731	56.28	ppb	97
35) Toluene	17.51	91	1161400	60.82	ppb	100
36) trans-1,3-Dichloropropene	17.51	75	7195	1.01	ppb	# 43
43) Chlorobenzene	20.62	112	621841	55.16	ppb	# 100

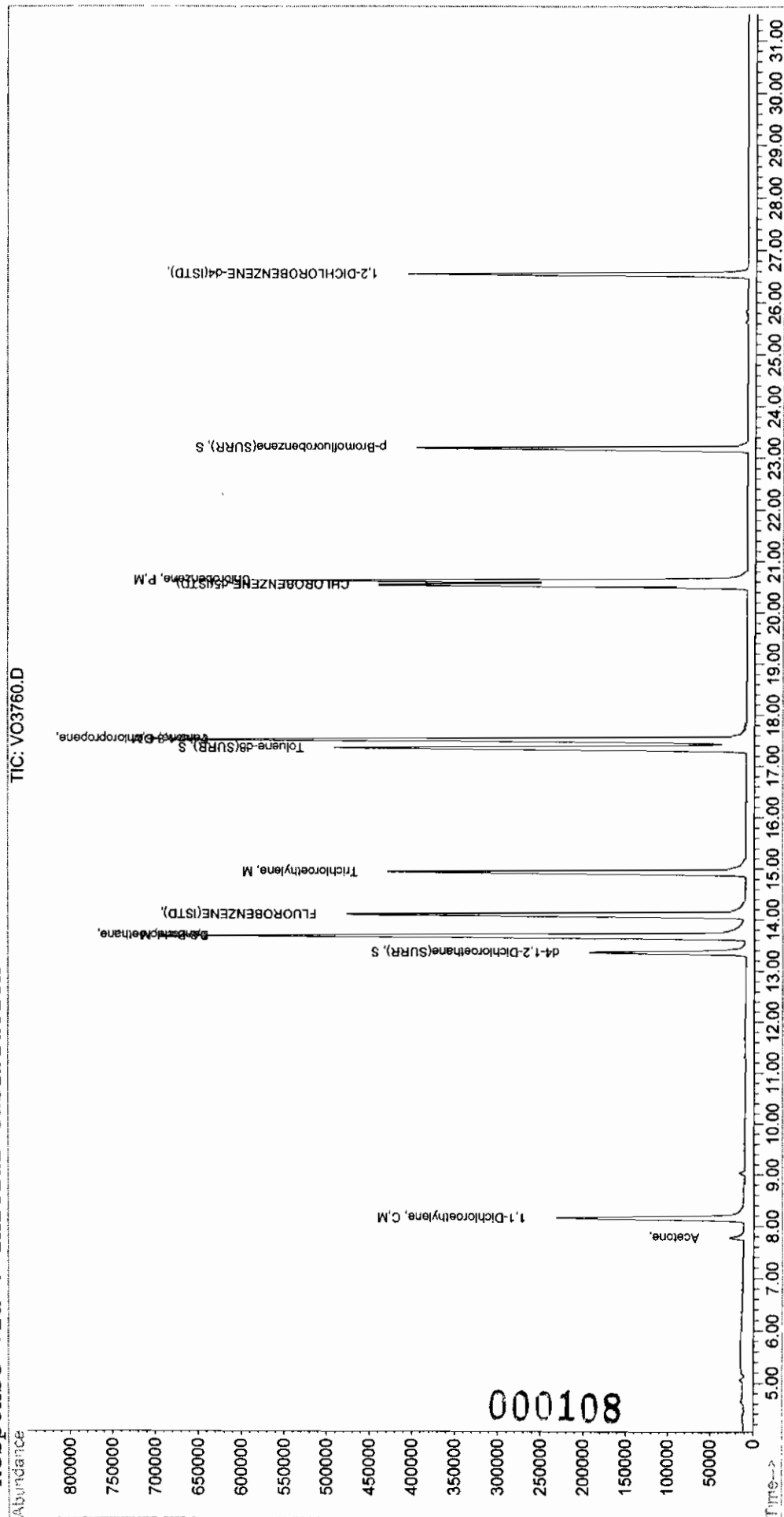
Quantitat' Report

Data File : C:\HPCHEM\1\DATA\VO3760.D
 Acq On : 22 Apr 2001 10:45 am
 Sample : MS VOA WATER
 Misc : QBV1042201A
 MS Integration Params: rteint.p
 Quant Time: Apr 22 11:16 19101

Vial: 4
 Operator: BB
 Inst : VOA No.1
 Multiplr: 1.00

Quant Results File: V1C60W.RES

Method : C:\HPCHEM\1\METHODS\V1C60W.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Wed Apr 18 08:12:40 2001
 Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\VO3761.D
 Acq On : 22 Apr 2001 11:24 am
 Sample : MSD VOA WATER
 Misc : QBV1042201A
 MS Integration Params: rteint.p
 Quant Time: Apr 22 11:55 19101

Vial: 5
 Operator: BB
 Inst : VOA No.1
 Multiplr: 1.00

Quant Results File: V1C60W.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C60W.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Wed Apr 18 08:12:40 2001
 Response via : Initial Calibration
 DataAcq Meth : V1C60W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.09	70	211099	50.00	ppb	-0.09
26) CHLOROBENZENE-d5(ISTD)	20.54	117	498974	50.00	ppb	-0.07
49) 1,2-DICHLOROBENZENE-d4(ISTD)	26.53	152	230695	50.00	ppb	-0.09

System Monitoring Compounds

22) d4-1,2-Dichloroethane(SURR)	13.36	65	237455	41.05	ppb	-0.07
Spiked Amount	50.000	Range	64 - 122	Recovery	=	82.10%
34) Toluene-d8(SURR)	17.34	98	673078	51.80	ppb	-0.07
Spiked Amount	50.000	Range	83 - 114	Recovery	=	103.60%
51) p-Bromofluorobenzene(SURR)	23.18	174	292433	45.92	ppb	-0.07
Spiked Amount	50.000	Range	71 - 126	Recovery	=	91.84%

Target Compounds

						Qvalue
8) 1,1-Dichloroethylene	8.16	61	293047	52.74	ppb	95
13) Acetone	7.79	43	43845	22.47	ppb	99
25) Benzene	13.67	78	1280684	58.19	ppb	100
27) Trichloroethylene	14.93	95	290894	55.37	ppb	97
35) Toluene	17.51	91	1108708	60.43	ppb	100
36) trans-1,3-Dichloropropene	17.51	75	6920	1.01	ppb	# 43
43) Chlorobenzene	20.62	112	604117	55.77	ppb	# 100

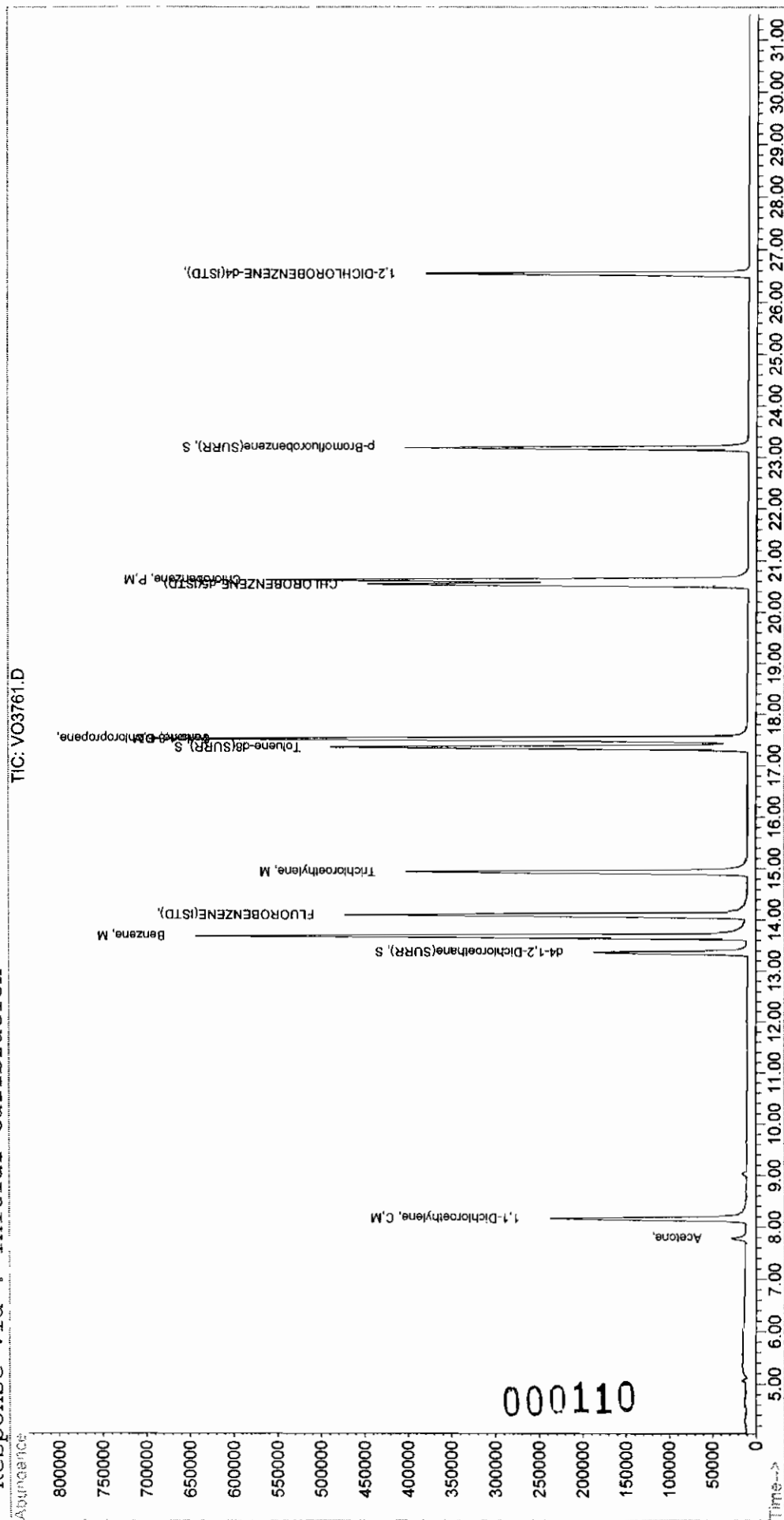
Quantitat: Report

Data File : C:\HPCHEM\1\DATA\VO3761.D
 Acq On : 22 Apr 2001 11:24 am
 Sample : MSD VOA WATER
 Misc : QBV1042201A
 MS Integration Params: rteint.p
 Quant Time: Apr 22 11:55 19101

Vial: 5
 Operator: BB
 Inst : VOA No.1
 Multiplr: 1.00

Quant Results File: V1C60W.RES

Method : C:\HPCHEM\1\METHODS\V1C60W.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Wed Apr 18 08:12:40 2001
 Response via : Initial Calibration



Response Factor Report VOA No.1

Method : C:\HPCHEM\1\METHODS\V1C58S.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Wed Apr 18 07:10:16 2001
 Response via : Initial Calibration

Calibration Files

20 =VO3615.D 50 =VO3616.D 100 =VO3617.D
 150 =VO3618.D 200 =VO3619.D 10 =VO3614.D

Compound	20	50	100	150	200	10	Avg	%RSD
-----ISTD-----								
1) FLUOROBENZENE(ISTD)								
2) Dichlorodifluoromet	2.061	1.993	2.063	1.765	1.623	1.741	1.875	10.05
3) P Chloromethane	1.479	1.502	1.325	1.118	1.388	1.463	1.379	10.42
4) C Vinyl Chloride	1.516	1.593	1.654	1.333	1.347	1.553	1.499	8.78#
5) Bromomethane	1.444	1.502	1.450	1.105	1.149	1.734	1.397	16.84
6) Chloroethane	0.875	0.909	0.925	0.729	0.799	1.059	0.883	12.86
7) Trichlorofluorometh	2.036	2.100	2.230	1.874	1.924	1.856	2.004	7.29
8) C,M 1,1-Dichloroethylen	1.721	1.681	1.732	1.510	1.605	1.819	1.678	6.43#
9) trans-1,2-Dichloroe	2.591	2.513	2.618	2.344	2.456	2.797	2.553	6.06
10) Carbon Disulfide	0.889	0.900	0.939	0.858	0.934	0.959	0.913	4.11
11) Methylene Chloride	2.808	2.961	2.594	2.274	2.307	3.945	2.815	21.90
12) tert-Butyl Methyl E	4.163	3.997	4.146	3.823	3.924	4.515	4.095	5.95
13) Acetone	0.729	0.465	0.415	0.292	0.297	0.551	0.458	36.16
14) P 1,1-Dichloroethane	3.210	3.170	3.246	2.951	3.095	3.502	3.196	5.73
15) cis-1,2-Dichloroeth	2.096	1.882	1.980	1.803	1.936	2.120	1.970	6.24
16) 2-Butanone	0.117	0.106	0.124	0.109	0.105	0.122	0.114	7.10
17) 2,2-Dichloropropane	2.567	2.327	2.568	2.313	2.357	2.807	2.490	7.79
18) Bromochloromethane	1.411	1.336	1.365	1.229	1.280	1.580	1.367	8.95
19) C Chloroform	3.350	3.187	3.240	2.940	3.084	3.797	3.266	9.03#
20) 1,1,1-Trichloroetha	2.585	2.553	2.569	2.341	2.476	2.835	2.560	6.34
21) 1,1-Dichloropropyle	2.310	2.279	2.315	2.103	2.213	2.426	2.274	4.78
22) S d4-1,2-Dichloroetha	1.153	1.107	1.144	1.099	1.095	1.131	1.121	2.18
23) Carbon Tetrachlorid	2.008	1.982	2.069	1.888	2.020	2.119	2.014	3.90
24) 1,2-Dichloroethane	1.946	1.947	2.033	1.843	1.801	2.219	1.965	7.60
25) M Benzene	6.317	6.253	6.414	5.842	6.296	6.935	6.343	5.54
-----ISTD-----								
26) CHLOROBENZENE-d5(ISTD								
27) M Trichloroethylene	0.721	0.725	0.698	0.636	0.716	0.799	0.716	7.33
28) Dibromomethane	0.457	0.446	0.448	0.416	0.451	0.490	0.451	5.25
29) Methyl Methacrylate	0.339	0.331	0.324	0.307	0.322	0.372	0.333	6.63
30) Bromodichloromethan	0.914	0.898	0.880	0.815	0.901	1.018	0.905	7.28
31) C 1,2-Dichloropropane	0.635	0.638	0.623	0.576	0.647	0.697	0.636	6.10#
32) cis-1,3-Dichloropro	0.939	0.929	0.948	0.872	0.965	1.050	0.950	6.13
33) 2-Hexanone	0.307	0.311	0.321	0.288	0.270	0.358	0.309	9.70
34) S Toluene-d8(SURR)	1.367	1.376	1.369	1.358	1.390	1.374	1.372	0.79
35) C,M Toluene	2.508	2.463	2.455	2.267	2.468	2.810	2.495	7.05#
36) trans-1,3-Dichlorop	0.775	0.744	0.781	0.725	0.770	0.866	0.777	6.27
37) 1,1,2-Trichloroetha	0.420	0.401	0.399	0.373	0.392	0.476	0.410	8.75
38) 1,3-Dichloropropane	0.769	0.766	0.761	0.715	0.759	0.836	0.768	5.09
39) Tetrachloroethylene	1.370	1.710	1.530	1.263	1.439	1.340	1.442	11.08
40) 4-Methyl-2-Pentanon	0.486	0.446	0.460	0.428	0.414	0.510	0.458	7.88
41) Dibromochloromethan	0.567	0.561	0.577	0.540	0.576	0.623	0.574	4.84
42) 1,2-Dibromoethane	0.456	0.452	0.458	0.433	0.447	0.498	0.457	4.74

Response Factor Report VOA No.1

Method : C:\HPCHEM\1\METHODS\V1C58S.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Wed Apr 18 07:10:16 2001
 Response via : Initial Calibration

Calibration Files

20 =VO3615.D 50 =VO3616.D 100 =VO3617.D
 150 =VO3618.D 200 =VO3619.D 10 =VO3614.D

	Compound	20	50	100	150	200	10	Avg	%RSD
43)	P,M Chlorobenzene	1.360	1.349	1.396	1.294	1.360	1.511	1.378	5.30
44)	C Ethyl Benzene	2.528	2.502	2.559	2.362	2.480	2.838	2.545	6.24#
45)	p- & m-Xylenes	1.950	1.952	1.989	1.826	1.870	2.310	1.983	8.63
46)	o-Xylene	1.967	1.940	1.995	1.841	1.841	2.239	1.970	7.43
47)	Styrene	1.402	1.393	1.466	1.370	1.391	1.539	1.427	4.48
48)	1,1,1,2-Tetrachloro	0.506	0.501	0.510	0.473	0.513	0.541	0.507	4.32
49)	1,2-DICHLOROBENZENE-d	-----ISTD-----							
50)	p Bromoform	1.105	1.085	1.090	1.009	1.050	1.176	1.086	5.17
51)	S p-Bromofluorobenzen	1.251	1.236	1.211	1.195	1.210	1.247	1.225	1.86
52)	P 1,1,2,2-Tetrachloro	0.899	0.824	0.836	0.785	0.780	1.048	0.862	11.71
53)	1,2,3-Trichloroprop	0.219	0.206	0.204	0.188	0.187	0.245	0.208	10.54
54)	Isopropylbenzene	3.841	3.785	3.717	3.394	3.678	4.183	3.766	6.81
55)	1,2-Dibromo-3-Chlor	0.149	0.143	0.140	0.133	0.131	0.167	0.144	9.13
56)	Bromobenzene	1.814	1.737	1.718	1.541	1.641	1.998	1.742	8.97
57)	n-Propylbenzene	4.914	4.798	4.763	4.315	4.556	5.430	4.796	7.83
58)	2-Chlorotoluene	3.118	3.097	3.042	2.859	2.991	3.510	3.103	7.08
59)	4-Chlorotoluene	2.793	2.724	2.713	2.377	2.532	3.061	2.700	8.65
60)	tert-Butylbenzene	3.060	2.871	2.939	2.804	2.951	3.406	3.005	7.12
61)	1,3,5-trimethylbenz	3.103	3.033	3.005	2.718	2.940	3.473	3.045	8.12
62)	1,2,4-trimethylbenz	3.009	2.935	2.918	2.659	2.882	3.507	2.985	9.44
63)	sec-Butylbenzene	3.892	3.826	3.816	3.513	3.686	4.005	3.790	4.52
64)	1,3-Dichlorobenzene	2.135	2.127	2.144	1.993	2.129	2.366	2.149	5.60
65)	1,4-Dichlorobenzene	2.166	2.100	2.164	2.014	2.140	2.427	2.169	6.40
66)	1,2-Dichlorobenzene	1.953	1.941	1.983	1.852	1.949	2.101	1.963	4.11
67)	p-Isopropyltoluene	2.962	2.926	2.926	2.695	2.889	3.059	2.910	4.12
68)	n-Butylbenzene	3.096	3.021	3.075	2.869	3.021	3.100	3.030	2.86
69)	1,2,4-Trichlorobenz	1.691	1.622	1.646	1.601	1.773	1.745	1.680	4.10
70)	Naphthalene	1.764	1.648	1.671	1.668	1.737	1.828	1.720	4.05
71)	Hexachloro-1,3-Buta	0.336	0.303	0.312	0.304	0.334	0.266	0.309	8.27
72)	1,2,3-Trichlorobenz	1.397	1.328	1.311	1.307	1.440	1.374	1.359	3.93

BFB

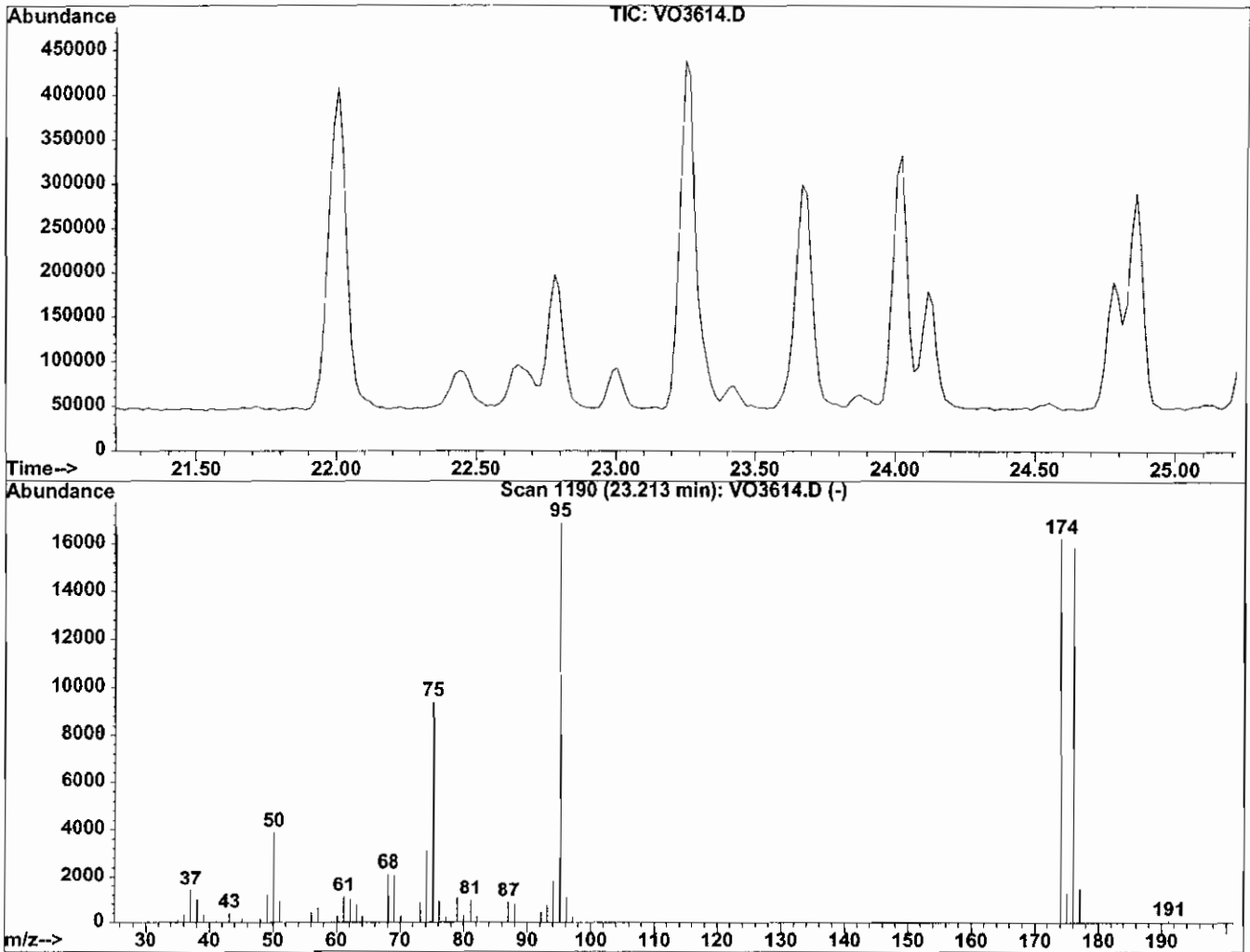
Data File : C:\HPCHEM\1\DATA\VO3614.D
 Acq On : 17 Apr 2001 11:00 pm
 Sample : 10ppb CALIBRATION STD SOIL
 Misc : QBV1041701A

Vial: 7
 Operator: SS
 Inst : VOA No.1
 Multiplr: 1.00

MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\V1C58S.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260



Spectrum Information: Scan 1190

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	10	40	23.1	3896	PASS
75	95	30	60	55.6	9388	PASS
95	95	100	100	100.0	16896	PASS
96	95	5	9	6.5	1091	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	96.1	16236	PASS
175	174	5	9	8.1	1308	PASS
176	174	90	104	97.9	15899	PASS
177	176	5	10	9.5	1509	PASS

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\VO3614.D
 Acq On : 17 Apr 2001 11:00 pm
 Sample : 10ppb CALIBRATION STD SOIL
 Misc : QBV1041701A
 MS Integration Params: rteint.p
 Quant Time: Apr 18 7:18 19101

Vial: 7
 Operator: SS
 Inst : VOA No.1
 Multiplr: 1.00

Quant Results File: V1C57S.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C57S.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Wed Mar 28 08:01:01 2001
 Response via : Initial Calibration
 DataAcq Meth : V1C57S

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.17	70	185729	50.00	ppb	0.11
26) CHLOROBENZENE-d5(ISTD)	20.62	117	465811	50.00	ppb	0.10
49) 1,2-DICHLOROBENZENE-d4(IST	26.61	152	266931	50.00	ppb	0.10

System Monitoring Compounds

22) d4-1,2-Dichloroethane(SURR	13.44	65	209969	32.96	ppb	0.11
Spiked Amount	50.000	Range	58 - 124	Recovery	=	65.92%
34) Toluene-d8(SURR)	17.43	98	639887	51.62	ppb	0.10
Spiked Amount	50.000	Range	70 - 134	Recovery	=	103.24%
51) p-Bromofluorobenzene(SURR)	23.26	174	332937	69.97	ppb	0.10
Spiked Amount	50.000	Range	59 - 145	Recovery	=	139.94%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	4.42	85	64687	6.08	ppb	100
3) Chloromethane	4.92	50	54335	14.05	ppb	99
4) Vinyl Chloride	5.19	62	57703	11.24	ppb	98
5) Bromomethane	6.14	94	64424	13.01	ppb	99
6) Chloroethane	6.34	64	39348	12.46	ppb	100
8) 1,1-Dichloroethylene	8.22	61	67568	6.01	ppb	# 79
9) trans-1,2-Dichloroethylene	9.80	61	103901	7.97	ppb	97
10) Carbon Disulfide	8.93	76	35623	7.58	ppb	100
11) Methylene Chloride	9.09	49	146554m	12.36	ppb	
12) tert-Butyl Methyl Ether (M	9.62	73	167724	8.70	ppb	# 100
13) Acetone	7.88	43	20475m	8.72	ppb	
14) 1,1-Dichloroethane	10.59	63	130086	8.48	ppb	100
15) cis-1,2-Dichloroethylene	11.77	96	78755	9.07	ppb	# 99
16) 2-Butanone	11.40	72	4530	6.76	ppb	# 1
17) 2,2-Dichloropropane	11.77	77	104260	8.80	ppb	100
18) Bromochloromethane	12.35	49	58687m	10.51	ppb	
19) Chloroform	12.09	83	141029	8.68	ppb	99
20) 1,1,1-Trichloroethane	12.96	97	105319	8.19	ppb	98
21) 1,1-Dichloropropylene	13.28	75	90123	9.70	ppb	98
23) Carbon Tetrachloride	13.51	117	78696	6.76	ppb	99
24) 1,2-Dichloroethane	13.61	62	82417	7.26	ppb	98
25) Benzene	13.75	78	257609	10.52	ppb	100
27) Trichloroethylene	15.01	95	74459	11.28	ppb	99
28) Dibromomethane	15.78	93	45662	8.52	ppb	# 82
29) Methyl Methacrylate	15.36	69	34658	10.36	ppb	98
30) Bromodichloromethane	15.72	83	94863	10.04	ppb	# 99
31) 1,2-Dichloropropane	15.28	63	64916	11.68	ppb	96
32) cis-1,3-Dichloropropene	16.81	75	195688	22.33	ppb	99

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\VO3614.D
 Acq On : 17 Apr 2001 11:00 pm
 Sample : 10ppb CALIBRATION STD SOIL
 Misc : QBV1041701A
 MS Integration Params: rteint.p
 Quant Time: Apr 18 7:18 19101

Vial: 7
 Operator: SS
 Inst : VOA No.1
 Multiplr: 1.00

Quant Results File: V1C57S.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C57S.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Wed Mar 28 08:01:01 2001
 Response via : Initial Calibration
 DataAcq Meth : V1C57S

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
33) 2-Hexanone	18.23	43	33315	11.62	ppb	97
35) Toluene	17.59	91	261782	11.77	ppb	100
36) trans-1,3-Dichloropropene	17.81	75	161375	19.42	ppb	99
37) 1,1,2-Trichloroethane	18.15	83	44384	9.68	ppb	94
38) 1,3-Dichloropropane	18.67	76	77909	9.29	ppb	# 86
39) Tetrachloroethylene	19.02	166	124803	16.45	ppb	# 91
40) 4-Methyl-2-Pentanone	16.44	43	47526	11.39	ppb	99
41) Dibromochloromethane	19.25	129	58078	8.52	ppb	99
42) 1,2-Dibromoethane	19.68	107	46368	7.93	ppb	100
43) Chlorobenzene	20.70	112	140814	10.28	ppb	# 100
44) Ethyl Benzene	20.84	91	264378	11.87	ppb	99
45) p- & m-Xylenes	21.04	91	430399m	24.23	ppb	
46) o-Xylene	21.99	91	208568	12.33	ppb	100
47) Styrene	22.02	104	286821	22.82	ppb	97
48) 1,1,1,2-Tetrachloroethane	20.78	131	50440	9.33	ppb	89
50) Bromoform	22.65	173	62800	11.50	ppb	# 100
52) 1,1,2,2-Tetrachloroethane	22.99	83	55973	8.54	ppb	# 67
53) 1,2,3-Trichloropropane	23.31	110	13090m	6.54	ppb	
54) Isopropylbenzene	22.78	105	223341	9.80	ppb	# 100
55) 1,2-Dibromo-3-Chloropropan	28.19	75	8920	6.34	ppb	# 36
56) Bromobenzene	23.68	77	106688	10.26	ppb	# 86
57) n-Propylbenzene	23.66	91	289900	11.07	ppb	99
58) 2-Chlorotoluene	24.02	91	187360m	15.43	ppb	
59) 4-Chlorotoluene	24.12	91	163438m	13.46	ppb	
60) tert-Butylbenzene	24.78	119	181825	9.21	ppb	# 99
61) 1,3,5-trimethylbenzene	24.02	105	185397	10.13	ppb	99
62) 1,2,4-trimethylbenzene	24.86	105	187251	9.81	ppb	99
63) sec-Butylbenzene	25.24	105	213824	9.00	ppb	# 94
64) 1,3-Dichlorobenzene	25.69	146	126296m	11.01	ppb	
65) 1,4-Dichlorobenzene	25.89	146	129574	11.13	ppb	# 99
66) 1,2-Dichlorobenzene	26.66	146	112171	9.62	ppb	# 97
67) p-Isopropyltoluene	25.53	119	163330	8.54	ppb	# 99
68) n-Butylbenzene	26.40	91	165519	8.05	ppb	99
69) 1,2,4-Trichlorobenzene	30.21	180	93137	12.84	ppb	99
70) Naphthalene	30.77	128	97615	6.80	ppb	# 100
72) 1,2,3-Trichlorobenzene	31.42	182	73358m	11.28	ppb	

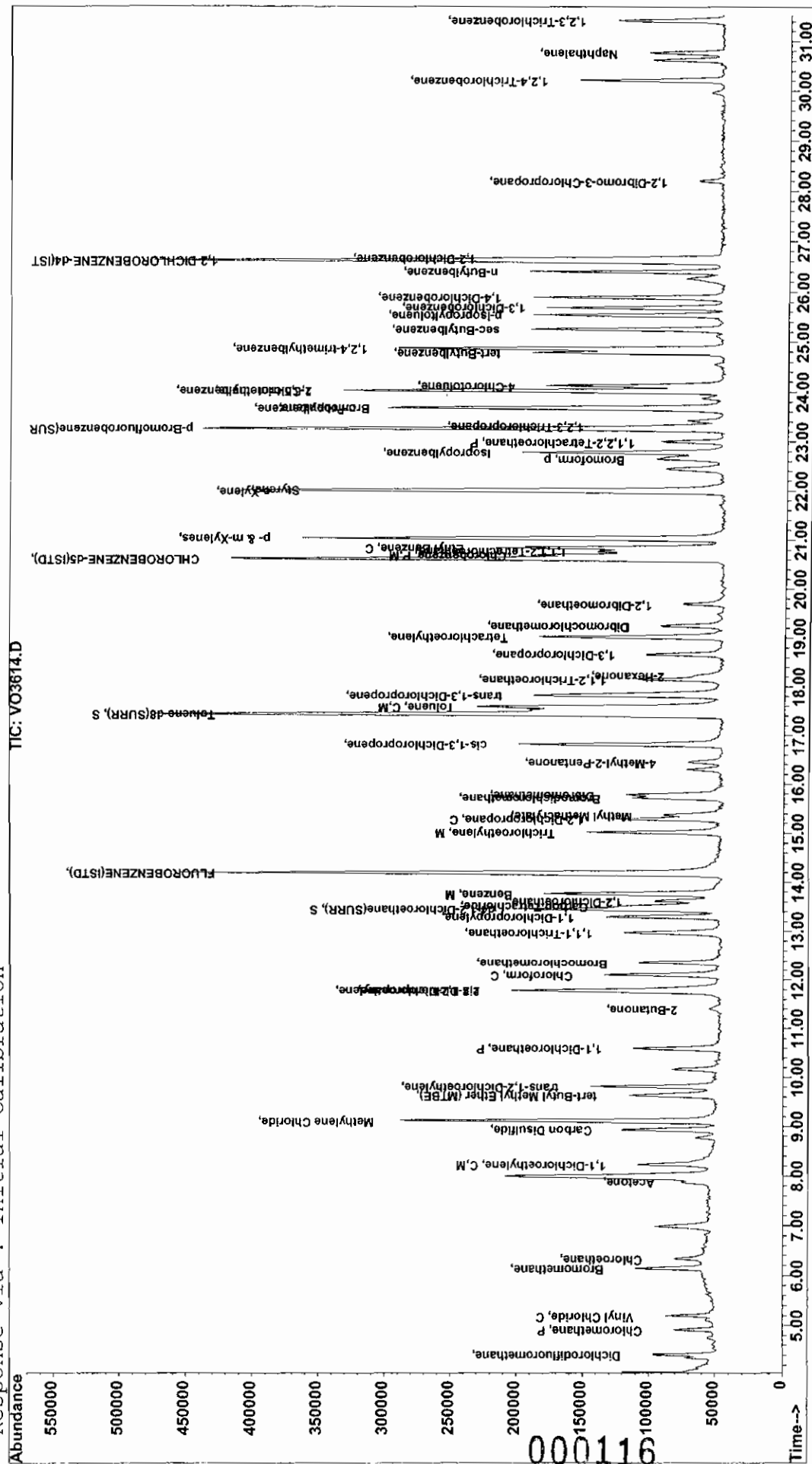
Quantitative Report

Data File : C:\HPCHEM\1\DATA\VO3614.D
 Acq On : 17 Apr 2001 11:00 pm
 Sample : 10ppb CALIBRATION STD SOIL
 Misc : QBV1041701A
 MS Integration Params: rteint.p
 Quant Time: Apr 18 7:18 19101

Vial: 7
 Operator: SS
 Inst : VOA No.1
 Multiplr: 1.00

Quant Results File: VIC57S.RES

Method : C:\HPCHEM\1\METHODS\V1C58S.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Wed Apr 18 07:10:16 2001
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\VO3615.D
 Acq On : 17 Apr 2001 11:41 pm
 Sample : 20ppb CALIBRATION STD SOIL
 Misc : QBV1041701A
 MS Integration Params: rteint.p
 Quant Time: Apr 18 7:18 19101

Vial: 8
 Operator: SS
 Inst : VOA No.1
 Multiplr: 1.00

Quant Results File: V1C57S.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C57S.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Wed Mar 28 08:01:01 2001
 Response via : Initial Calibration
 DataAcq Meth : V1C57S

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.17	70	198087	50.00	ppb	0.11
26) CHLOROBENZENE-d5(ISTD)	20.62	117	497928	50.00	ppb	0.10
49) 1,2-DICHLOROBENZENE-d4(ISTD)	26.61	152	278716	50.00	ppb	0.10

System Monitoring Compounds

22) d4-1,2-Dichloroethane(SURR)	13.45	65	228297	33.61	ppb	0.11
Spiked Amount	50.000	Range	58 - 124	Recovery	=	67.22%
34) Toluene-d8(SURR)	17.43	98	680679	51.36	ppb	0.11
Spiked Amount	50.000	Range	70 - 134	Recovery	=	102.72%
51) p-Bromofluorobenzene(SURR)	23.26	174	348769	70.20	ppb	0.10
Spiked Amount	50.000	Range	59 - 145	Recovery	=	140.40%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	4.42	85	163311	14.40	ppb	100
3) Chloromethane	4.92	50	117171	28.41	ppb	99
4) Vinyl Chloride	5.19	62	120087	21.94	ppb	99
5) Bromomethane	6.14	94	114436	21.67	ppb	99
6) Chloroethane	6.34	64	69334	20.59	ppb	100
7) Trichlorofluoromethane	6.98	101	161341	8.27	ppb	99
8) 1,1-Dichloroethylene	8.22	61	136371	11.37	ppb	# 80
9) trans-1,2-Dichloroethylene	9.80	61	205264	14.77	ppb	96
10) Carbon Disulfide	8.93	76	70407	14.04	ppb	100
11) Methylene Chloride	9.11	49	222496m	17.60	ppb	
12) tert-Butyl Methyl Ether (M	9.63	73	329836	16.05	ppb	# 100
13) Acetone	7.87	43	57729m	23.07	ppb	
14) 1,1-Dichloroethane	10.59	63	254368	15.54	ppb	100
15) cis-1,2-Dichloroethylene	11.77	96	166101m	17.93	ppb	
16) 2-Butanone	11.38	72	9232	12.91	ppb	53
17) 2,2-Dichloropropane	11.75	77	203427	16.09	ppb	100
18) Bromochloromethane	12.35	49	111776	18.77	ppb	# 37
19) Chloroform	12.09	83	265447	15.32	ppb	100
20) 1,1,1-Trichloroethane	12.96	97	204802	14.94	ppb	99
21) 1,1-Dichloropropylene	13.30	75	183034	18.48	ppb	# 87
23) Carbon Tetrachloride	13.51	117	159141	12.82	ppb	100
24) 1,2-Dichloroethane	13.62	62	154228	12.73	ppb	99
25) Benzene	13.75	78	500549	19.16	ppb	100
27) Trichloroethylene	15.01	95	143615	20.35	ppb	100
28) Dibromomethane	15.78	93	90922	15.88	ppb	# 81
29) Methyl Methacrylate	15.38	69	67466	18.86	ppb	99
30) Bromodichloromethane	15.72	83	182129	18.04	ppb	100
31) 1,2-Dichloropropane	15.28	63	126528	21.30	ppb	97

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\VO3615.D
 Acq On : 17 Apr 2001 11:41 pm
 Sample : 20ppb CALIBRATION STD SOIL
 Misc : QBV1041701A
 MS Integration Params: rteint.p
 Quant Time: Apr 18 7:18 19101

Vial: 8
 Operator: SS
 Inst : VOA No.1
 Multiplr: 1.00

Quant Results File: V1C57S.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C57S.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Wed Mar 28 08:01:01 2001
 Response via : Initial Calibration
 DataAcq Meth : V1C57S

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
32) cis-1,3-Dichloropropene	16.81	75	373850	39.90	ppb	99
33) 2-Hexanone	18.22	43	61233	19.98	ppb	98
35) Toluene	17.59	91	499509	21.02	ppb	100
36) trans-1,3-Dichloropropene	17.81	75	308620	34.74	ppb	100
37) 1,1,2-Trichloroethane	18.15	83	83615	17.06	ppb	96
38) 1,3-Dichloropropane	18.67	76	153161	17.08	ppb	# 86
39) Tetrachloroethylene	19.02	166	272804	33.63	ppb	# 50
40) 4-Methyl-2-Pentanone	16.44	43	96865	21.72	ppb	97
41) Dibromochloromethane	19.25	129	112946	15.50	ppb	99
42) 1,2-Dibromoethane	19.70	107	90776	14.53	ppb	98
43) Chlorobenzene	20.70	112	270854	18.50	ppb	# 100
44) Ethyl Benzene	20.84	91	503598	21.15	ppb	99
45) p- & m-Xylenes	21.04	91	776774	40.91	ppb	100
46) o-Xylene	21.99	91	391793	21.67	ppb	100
47) Styrene	22.02	104	558615	41.57	ppb	97
48) 1,1,1,2-Tetrachloroethane	20.78	131	100814	17.45	ppb	94
50) Bromoform	22.65	173	123162	21.61	ppb	# 100
52) 1,1,2,2-Tetrachloroethane	23.00	83	100224	14.64	ppb	100
53) 1,2,3-Trichloropropane	23.31	110	24465m	11.71	ppb	
54) Isopropylbenzene	22.78	105	428275	17.99	ppb	# 100
55) 1,2-Dibromo-3-Chloropropan	28.19	75	16598	11.30	ppb	# 36
56) Bromobenzene	23.68	77	202190	18.62	ppb	# 85
57) n-Propylbenzene	23.67	91	547808	20.04	ppb	100
58) 2-Chlorotoluene	24.02	91	347582m	27.42	ppb	
59) 4-Chlorotoluene	24.12	91	311363m	24.56	ppb	
60) tert-Butylbenzene	24.78	119	341149	16.56	ppb	# 99
61) 1,3,5-trimethylbenzene	24.02	105	345896	18.10	ppb	99
62) 1,2,4-trimethylbenzene	24.86	105	335423	16.83	ppb	98
63) sec-Butylbenzene	25.26	105	433930	17.50	ppb	# 94
64) 1,3-Dichlorobenzene	25.70	146	238003m	19.87	ppb	
65) 1,4-Dichlorobenzene	25.89	146	241506	19.87	ppb	# 99
66) 1,2-Dichlorobenzene	26.66	146	217733	17.88	ppb	# 98
67) p-Isopropyltoluene	25.53	119	330201	16.54	ppb	# 99
68) n-Butylbenzene	26.41	91	345193	16.08	ppb	99
69) 1,2,4-Trichlorobenzene	30.21	180	188574	24.89	ppb	100
70) Naphthalene	30.77	128	196644	13.12	ppb	# 100
71) Hexachloro-1,3-Butadiene	30.63	225	37430	7.69	ppb	# 98
72) 1,2,3-Trichlorobenzene	31.42	182	155733m	22.94	ppb	

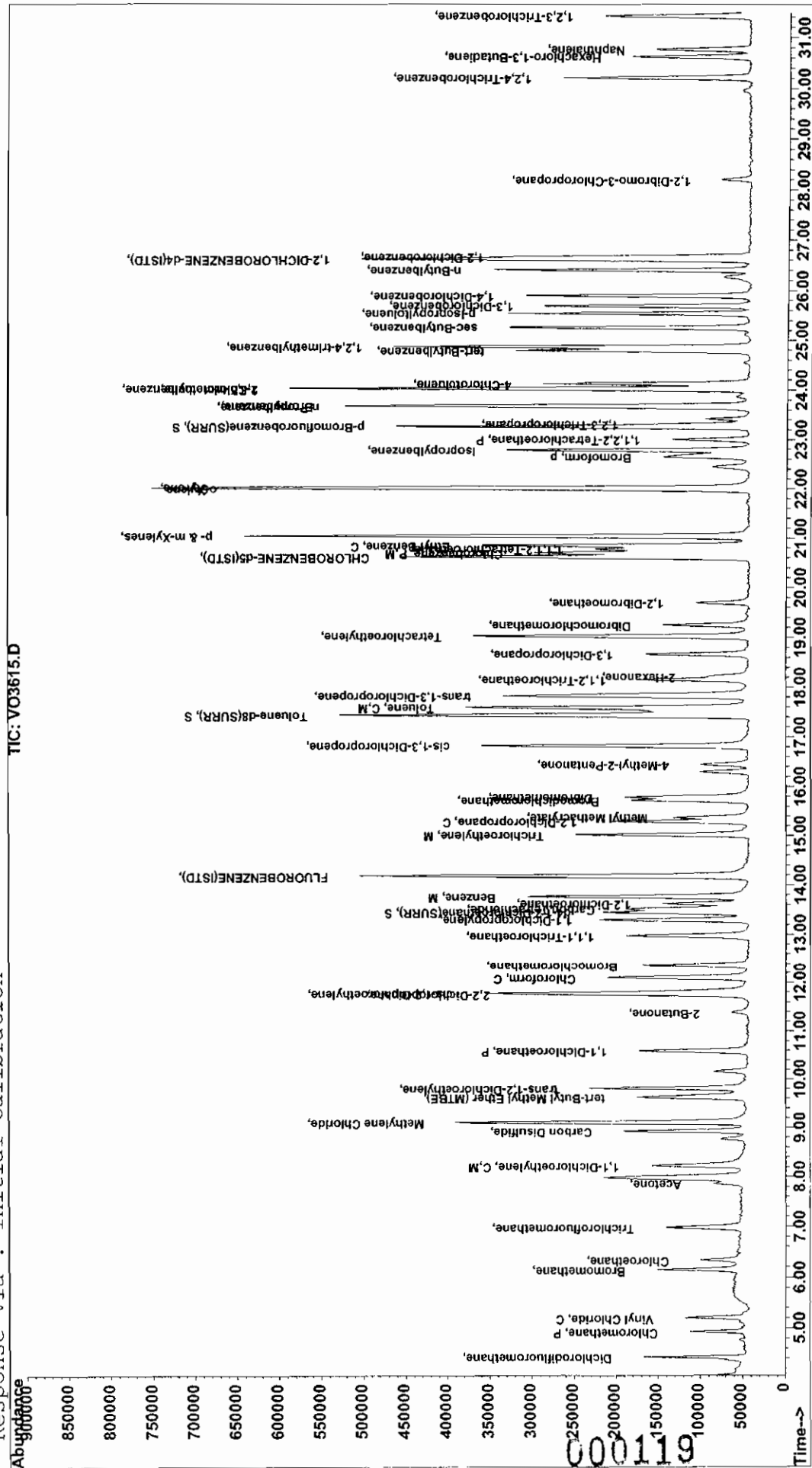
Quantitative Report

Data File : C:\HPCHEM\1\DATA\VO3615.D
 Acq On : 17 Apr 2001 11:41 pm
 Sample : 20ppb CALIBRATION STD SOIL
 Misc : QBV1041701A
 MS Integration Params: rteint.p
 Quant Time: Apr 18 7:18 19101

Vial: 8
 Operator: SS
 Inst : VOA No.1
 Multiplr: 1.00

Quant Results File: VIC57S.RES

Method : C:\HPCHEM\1\METHODS\V1C58S.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Wed Apr 18 07:10:16 2001
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\VO3616.D
 Acq On : 18 Apr 2001 12:23 am
 Sample : 50ppb CALIBRATION STD SOIL
 Misc : QBV1041701A

Vial: 9
 Operator: SS
 Inst : VOA No.1
 Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Apr 18 7:12 19101

Quant Results File: V1C57S.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C57S.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Wed Mar 28 08:01:01 2001

Response via : Initial Calibration

DataAcq Meth : V1C57S

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.17	70	190569	50.00	ppb	0.11
26) CHLOROBENZENE-d5(ISTD)	20.62	117	471673	50.00	ppb	0.10
49) 1,2-DICHLOROBENZENE-d4(IST	26.61	152	270020	50.00	ppb	0.10

System Monitoring Compounds

22) d4-1,2-Dichloroethane(SURR	13.44	65	210917	32.27	ppb	0.11
Spiked Amount	50.000	Range	58 - 124	Recovery	=	64.54%
34) Toluene-d8(SURR)	17.43	98	649196	51.72	ppb	0.10
Spiked Amount	50.000	Range	70 - 134	Recovery	=	103.44%
51) p-Bromofluorobenzene(SURR)	23.26	174	333613	69.31	ppb	0.10
Spiked Amount	50.000	Range	59 - 145	Recovery	=	138.62%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	4.42	85	379775	34.81	ppb	100
3) Chloromethane	4.92	50	286148	72.11	ppb	100
4) Vinyl Chloride	5.21	62	303494	57.64	ppb	100
5) Bromomethane	6.14	94	286316	56.35	ppb	99
6) Chloroethane	6.34	64	173178	53.46	ppb	99
7) Trichlorofluoromethane	6.98	101	400261	21.34	ppb	100
8) 1,1-Dichloroethylene	8.22	61	320392	27.76	ppb	# 81
9) trans-1,2-Dichloroethylene	9.80	61	478814	35.80	ppb	97
10) Carbon Disulfide	8.93	76	171450	35.54	ppb	100
11) Methylene Chloride	9.11	49	564370	46.40	ppb	90
12) tert-Butyl Methyl Ether (M	9.62	73	761641	38.52	ppb	# 100
13) Acetone	7.87	43	88663	36.82	ppb	# 95
14) 1,1-Dichloroethane	10.59	63	604129	38.37	ppb	100
15) cis-1,2-Dichloroethylene	11.77	96	358728	40.26	ppb	# 99
16) 2-Butanone	11.38	72	20247	29.44	ppb	55
17) 2,2-Dichloropropane	11.75	77	443465	36.46	ppb	100
18) Bromochloromethane	12.35	49	254561	44.44	ppb	# 37
19) Chloroform	12.09	83	607321	36.42	ppb	100
20) 1,1,1-Trichloroethane	12.96	97	486451	36.89	ppb	99
21) 1,1-Dichloropropylene	13.28	75	434307	45.58	ppb	98
23) Carbon Tetrachloride	13.51	117	377683	31.62	ppb	99
24) 1,2-Dichloroethane	13.62	62	371007	31.84	ppb	99
25) Benzene	13.75	78	1191567	47.42	ppb	100
27) Trichloroethylene	15.01	95	342037	51.16	ppb	99
28) Dibromomethane	15.78	93	210433	38.79	ppb	# 81
29) Methyl Methacrylate	15.36	69	156326	46.14	ppb	100
30) Bromodichloromethane	15.72	83	423572	44.29	ppb	99
31) 1,2-Dichloropropane	15.28	63	301048	53.50	ppb	96

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

VO3616.D V1C58S.M Wed Apr 18 07:20:15 2001

000120

Page 1

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\VO3616.D
 Acq On : 18 Apr 2001 12:23 am
 Sample : 50ppb CALIBRATION STD SOIL
 Misc : QBV1041701A
 MS Integration Params: rteint.p
 Quant Time: Apr 18 7:12 19101

Vial: 9
 Operator: SS
 Inst : VOA No.1
 Multiplr: 1.00

Quant Results File: V1C57S.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C57S.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Wed Mar 28 08:01:01 2001
 Response via : Initial Calibration
 DataAcq Meth : V1C57S

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
32) cis-1,3-Dichloropropene	16.81	75	876359	98.75	ppb	99
33) 2-Hexanone	18.22	43	146542	50.47	ppb	96
35) Toluene	17.59	91	1161516	51.59	ppb	100
36) trans-1,3-Dichloropropene	17.81	75	701502	83.36	ppb	100
37) 1,1,2-Trichloroethane	18.15	83	189134	40.74	ppb	96
38) 1,3-Dichloropropane	18.67	76	361075	42.52	ppb	# 86
39) Tetrachloroethylene	19.02	166	806660	104.97	ppb	# 50
40) 4-Methyl-2-Pentanone	16.44	43	210547	49.84	ppb	98
41) Dibromochloromethane	19.25	129	264424	38.31	ppb	100
42) 1,2-Dibromoethane	19.68	107	213262	36.03	ppb	100
43) Chlorobenzene	20.70	112	636231	45.87	ppb	# 100
44) Ethyl Benzene	20.84	91	1180023	52.32	ppb	99
45) p- & m-Xylenes	21.04	91	1841208	102.38	ppb	100
46) o-Xylene	21.99	91	914943	53.43	ppb	100
47) Styrene	22.02	104	1313697	103.20	ppb	97
48) 1,1,1,2-Tetrachloroethane	20.78	131	236298	43.17	ppb	95
50) Bromoform	22.65	173	292939	53.05	ppb	# 100
52) 1,1,2,2-Tetrachloroethane	23.00	83	222455	33.55	ppb	100
53) 1,2,3-Trichloropropane	23.31	110	55496m	27.41	ppb	
54) Isopropylbenzene	22.78	105	1021923	44.32	ppb	# 100
55) 1,2-Dibromo-3-Chloropropan	28.19	75	38488	27.05	ppb	# 36
56) Bromobenzene	23.68	77	469158	44.61	ppb	# 83
57) n-Propylbenzene	23.66	91	1295606	48.92	ppb	100
58) 2-Chlorotoluene	24.02	91	836370m	68.11	ppb	
59) 4-Chlorotoluene	24.12	91	735403m	59.89	ppb	
60) tert-Butylbenzene	24.78	119	775258	38.84	ppb	# 99
61) 1,3,5-trimethylbenzene	24.02	105	818916	44.24	ppb	98
62) 1,2,4-trimethylbenzene	24.86	105	792473	41.05	ppb	98
63) sec-Butylbenzene	25.26	105	1033037	42.99	ppb	# 94
64) 1,3-Dichlorobenzene	25.69	146	574403m	49.50	ppb	
65) 1,4-Dichlorobenzene	25.89	146	567139m	48.17	ppb	
66) 1,2-Dichlorobenzene	26.66	146	524032	44.41	ppb	# 99
67) p-Isopropyltoluene	25.53	119	790136	40.86	ppb	# 99
68) n-Butylbenzene	26.40	91	815677	39.23	ppb	99
69) 1,2,4-Trichlorobenzene	30.21	180	437950	59.67	ppb	99
70) Naphthalene	30.77	128	445045	30.64	ppb	# 100
71) Hexachloro-1,3-Butadiene	30.63	225	81834	17.35	ppb	# 100
72) 1,2,3-Trichlorobenzene	31.42	182	358547m	54.52	ppb	

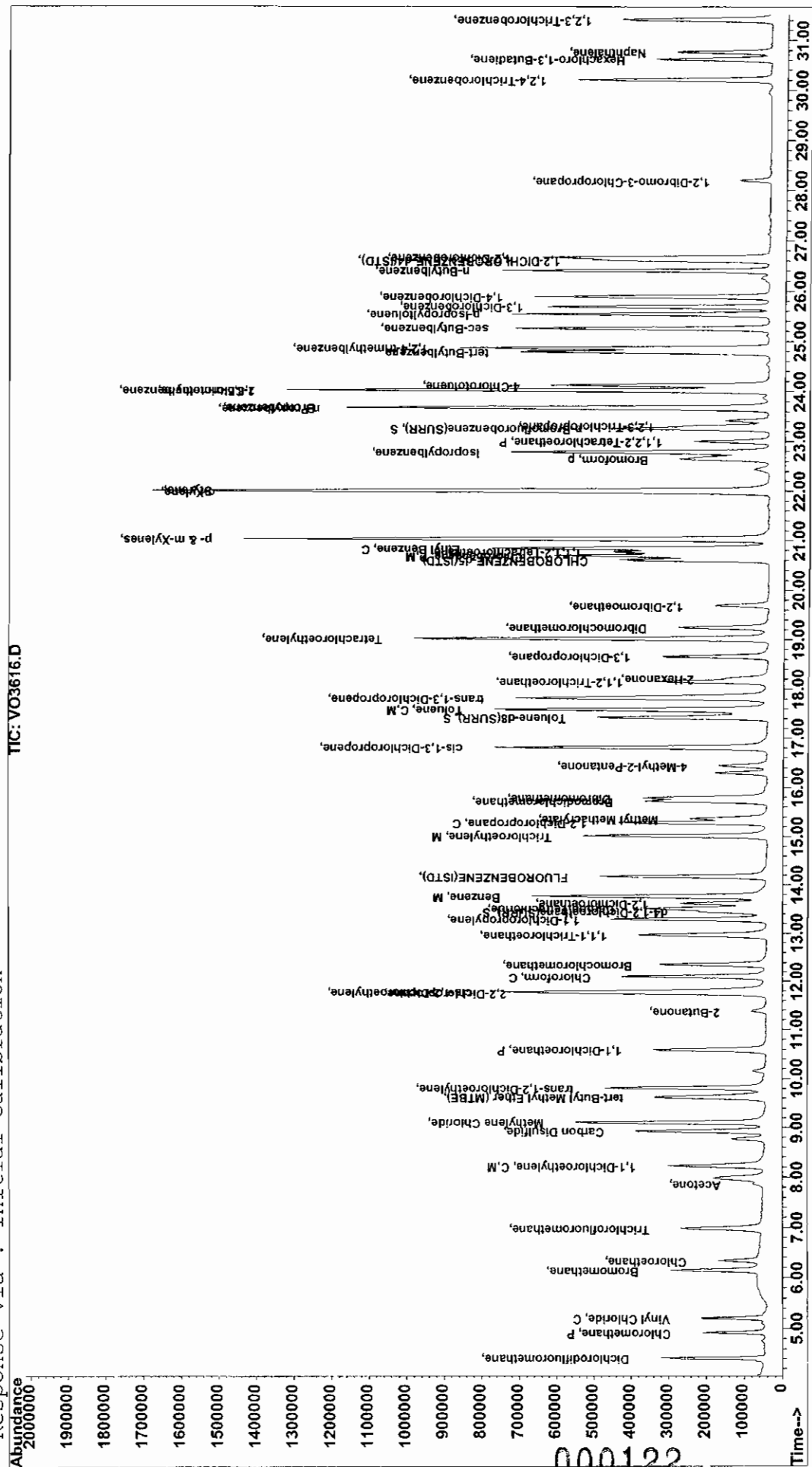
Quantitati Report

Data File : C:\HPCHEM\1\DATA\VO3616.D
 Acq On : 18 Apr 2001 12:23 am
 Sample : 50ppb CALIBRATION STD SOIL
 Misc : QBV1041701A
 MS Integration Params: rteint.p
 Quant Time: Apr 18 7:12 19101

Vial: 9
 Operator: SS
 Inst : VOA No.1
 Multiplr: 1.00

Quant Results File: VIC57S.RES

Method : C:\HPCHEM\1\METHODS\VIC58S.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Wed Apr 18 07:10:16 2001
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\VO3617.D
 Acq On : 18 Apr 2001 1:06 am
 Sample : 100ppb CALIBRATION STD SOIL
 Misc : QBV1041701A
 MS Integration Params: rteint.p
 Quant Time: Apr 18 7:14 19101

Vial: 10
 Operator: SS
 Inst : VOA No.1
 Multiplr: 1.00

Quant Results File: V1C57S.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C57S.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Wed Mar 28 08:01:01 2001
 Response via : Initial Calibration
 DataAcq Meth : V1C57S

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.17	70	187007	50.00	ppb	0.11
26) CHLOROBENZENE-d5(ISTD)	20.62	117	484269	50.00	ppb	0.11
49) 1,2-DICHLOROBENZENE-d4(ISTD)	26.62	152	290867	50.00	ppb	0.10

System Monitoring Compounds

22) d4-1,2-Dichloroethane(SURR)	13.43	65	214022	33.37	ppb	0.09
Spiked Amount	50.000	Range	58 - 124	Recovery	=	66.74%
34) Toluene-d8(SURR)	17.43	98	662921	51.44	ppb	0.11
Spiked Amount	50.000	Range	70 - 134	Recovery	=	102.88%
51) p-Bromofluorobenzene(SURR)	23.26	174	352332	67.96	ppb	0.11
Spiked Amount	50.000	Range	59 - 145	Recovery	=	135.92%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	4.41	85	771760	72.08	ppb	100
3) Chloromethane	4.92	50	495481	127.23	ppb	100
4) Vinyl Chloride	5.20	62	618617	119.73	ppb	100
5) Bromomethane	6.15	94	542421	108.78	ppb	99
6) Chloroethane	6.34	64	345946	108.83	ppb	99
7) Trichlorofluoromethane	6.98	101	834148	45.31	ppb	100
8) 1,1-Dichloroethylene	8.23	61	647803	57.19	ppb	# 80
9) trans-1,2-Dichloroethylene	9.81	61	979026	74.60	ppb	97
10) Carbon Disulfide	8.92	76	351101	74.16	ppb	100
11) Methylene Chloride	9.10	49	970245	81.29	ppb	91
12) tert-Butyl Methyl Ether (M	9.61	73	1550836	79.94	ppb	# 100
13) Acetone	7.86	43	155347	65.75	ppb	# 95
14) 1,1-Dichloroethane	10.58	63	1213985	78.58	ppb	100
15) cis-1,2-Dichloroethylene	11.77	96	740421	84.67	ppb	# 100
16) 2-Butanone	11.38	72	46426	68.79	ppb	70
17) 2,2-Dichloropropane	11.76	77	960583	80.49	ppb	100
18) Bromochloromethane	12.35	49	510389	90.80	ppb	# 37
19) Chloroform	12.09	83	1211852	74.06	ppb	100
20) 1,1,1-Trichloroethane	12.96	97	960693	74.24	ppb	100
21) 1,1-Dichloropropylene	13.29	75	865786	92.59	ppb	98
23) Carbon Tetrachloride	13.51	117	773730	66.01	ppb	100
24) 1,2-Dichloroethane	13.63	62	760274	66.49	ppb	100
25) Benzene	13.75	78	2398968	97.28	ppb	100
27) Trichloroethylene	15.01	95	675786	98.45	ppb	99
28) Dibromomethane	15.79	93	433821	77.89	ppb	# 81
29) Methyl Methacrylate	15.37	69	313868	90.22	ppb	100
30) Bromodichloromethane	15.72	83	852743	86.85	ppb	99
31) 1,2-Dichloropropane	15.29	63	603730	104.51	ppb	96

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\VO3617.D
 Acq On : 18 Apr 2001 1:06 am
 Sample : 100ppb CALIBRATION STD SOIL
 Misc : QBV1041701A
 MS Integration Params: rteint.p
 Quant Time: Apr 18 7:14 19101

Vial: 10
 Operator: SS
 Inst : VOA No.1
 Multiplr: 1.00

Quant Results File: V1C57S.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C57S.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Wed Mar 28 08:01:01 2001
 Response via : Initial Calibration
 DataAcq Meth : V1C57S

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
32) cis-1,3-Dichloropropene	16.82	75	1835627	201.46	ppb	99
33) 2-Hexanone	18.20	43	310663	104.22	ppb	97
35) Toluene	17.59	91	2378163	102.89	ppb	100
36) trans-1,3-Dichloropropene	17.82	75	1512543	175.06	ppb	100
37) 1,1,2-Trichloroethane	18.15	83	386513	81.08	ppb	97
38) 1,3-Dichloropropane	18.67	76	736946	84.52	ppb #	86
39) Tetrachloroethylene	19.02	166	1482147	187.86	ppb #	92
40) 4-Methyl-2-Pentanone	16.43	43	445745	102.76	ppb	98
41) Dibromochloromethane	19.25	129	558665	78.84	ppb	100
42) 1,2-Dibromoethane	19.69	107	443721	73.01	ppb	99
43) Chlorobenzene	20.70	112	1351797	94.93	ppb #	100
44) Ethyl Benzene	20.85	91	2478504	107.04	ppb	99
45) p- & m-Xylenes	21.04	91	3853260	208.68	ppb	100
46) o-Xylene	21.99	91	1931966	109.88	ppb	100
47) Styrene	22.01	104	2839625	217.27	ppb	97
48) 1,1,1,2-Tetrachloroethane	20.78	131	494050	87.92	ppb	96
50) Bromoform	22.65	173	634222	106.62	ppb #	100
52) 1,1,2,2-Tetrachloroethane	23.01	83	486233	68.07	ppb	100
53) 1,2,3-Trichloropropane	23.31	110	118493m	54.33	ppb	
54) Isopropylbenzene	22.78	105	2162128	87.04	ppb #	100
55) 1,2-Dibromo-3-Chloropropan	28.21	75	81194	52.97	ppb #	64
56) Bromobenzene	23.68	77	999292	88.20	ppb #	82
57) n-Propylbenzene	23.67	91	2771029	97.12	ppb	100
58) 2-Chlorotoluene	24.02	91	1769899m	133.80	ppb	
59) 4-Chlorotoluene	24.12	91	1578308m	119.31	ppb	
60) tert-Butylbenzene	24.78	119	1709746	79.52	ppb #	99
61) 1,3,5-trimethylbenzene	24.02	105	1748084	87.67	ppb	98
62) 1,2,4-trimethylbenzene	24.86	105	1697388	81.62	ppb	98
63) sec-Butylbenzene	25.25	105	2219684	85.75	ppb #	99
64) 1,3-Dichlorobenzene	25.68	146	1247108m	99.76	ppb	
65) 1,4-Dichlorobenzene	25.89	146	1258861	99.25	ppb #	98
66) 1,2-Dichlorobenzene	26.66	146	1153357	90.73	ppb #	99
67) p-Isopropyltoluene	25.54	119	1702170	81.71	ppb #	99
68) n-Butylbenzene	26.41	91	1788900	79.87	ppb	99
69) 1,2,4-Trichlorobenzene	30.21	180	957806	121.15	ppb	99
70) Naphthalene	30.76	128	972150	62.13	ppb #	100
71) Hexachloro-1,3-Butadiene	30.63	225	181634	35.76	ppb #	99
72) 1,2,3-Trichlorobenzene	31.42	182	762712m	107.66	ppb	

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

VO3617.D V1C58S.M Wed Apr 18 07:20:21 2001

000124

Page 2

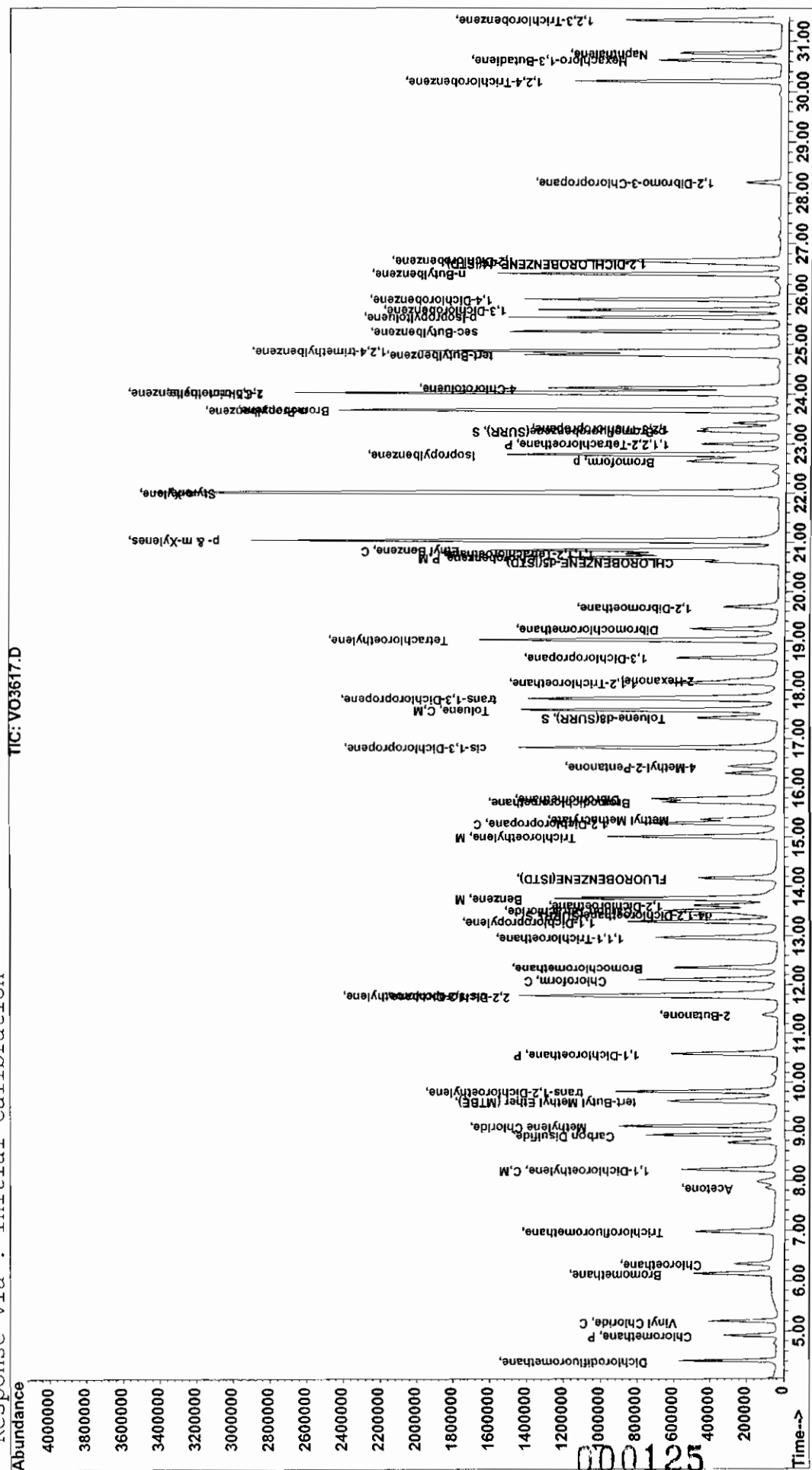
Quantitative Report

Data File : C:\HPCHEM\1\DATA\VO3617.D
 Acq On : 18 Apr 2001 1:06 am
 Sample : 100ppb CALIBRATION STD SOIL
 Misc : QBV1041701A
 MS Integration Params: rteint.p
 Quant Time: Apr 18 7:14 19101

Vial: 10
 Operator: SS
 Inst : VOA No.1
 Multiplr: 1.00

Quant Results File: V1C57S.RES

Method : C:\HPCHEM\1\METHODS\V1C58S.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Wed Apr 18 07:10:16 2001
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\VO3618.D
 Acq On : 18 Apr 2001 1:48 am
 Sample : 150ppb CALIBRATION STD SOIL
 Misc : QBV1041701A
 MS Integration Params: rteint.p
 Quant Time: Apr 18 7:15 19101

Vial: 11
 Operator: SS
 Inst : VOA No.1
 Multiplr: 1.00

Quant Results File: V1C57S.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C57S.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Wed Mar 28 08:01:01 2001
 Response via : Initial Calibration
 DataAcq Meth : V1C57S

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE (ISTD)	14.17	70	192590	50.00	ppb	0.10
26) CHLOROBENZENE-d5 (ISTD)	20.61	117	490186	50.00	ppb	0.10
49) 1,2-DICHLOROBENZENE-d4 (ISTD)	26.61	152	302857	50.00	ppb	0.10

System Monitoring Compounds

22) d4-1,2-Dichloroethane (SURR)	13.44	65	211621	32.04	ppb	0.10
Spiked Amount	50.000	Range	58 - 124	Recovery	=	64.08%
34) Toluene-d8 (SURR)	17.42	98	665721	51.03	ppb	0.10
Spiked Amount	50.000	Range	70 - 134	Recovery	=	102.06%
51) p-Bromofluorobenzene (SURR)	23.26	174	362007	67.06	ppb	0.10
Spiked Amount	50.000	Range	59 - 145	Recovery	=	134.12%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	4.42	85	1019931	92.50	ppb	100
3) Chloromethane	4.91	50	645838	161.04	ppb	100
4) Vinyl Chloride	5.20	62	770315	144.77	ppb	100
5) Bromomethane	6.14	94	638213	124.28	ppb	99
6) Chloroethane	6.33	64	421151	128.65	ppb	99
7) Trichlorofluoromethane	6.98	101	1082644	57.10	ppb	100
8) 1,1-Dichloroethylene	8.22	61	872410	74.79	ppb	# 80
9) trans-1,2-Dichloroethylene	9.80	61	1354548	100.22	ppb	98
10) Carbon Disulfide	8.93	76	495650	101.66	ppb	100
11) Methylene Chloride	9.11	49	1313606	106.87	ppb	91
12) tert-Butyl Methyl Ether (M	9.61	73	2208918	110.56	ppb	# 100
13) Acetone	7.86	43	168941	69.43	ppb	# 94
14) 1,1-Dichloroethane	10.59	63	1704801	107.15	ppb	100
15) cis-1,2-Dichloroethylene	11.78	96	1041435	115.64	ppb	# 68
16) 2-Butanone	11.38	72	63179	90.90	ppb	69
17) 2,2-Dichloropropane	11.76	77	1336334	108.73	ppb	100
18) Bromochloromethane	12.36	49	709977	122.65	ppb	# 86
19) Chloroform	12.10	83	1698548	100.80	ppb	99
20) 1,1,1-Trichloroethane	12.97	97	1352429	101.48	ppb	100
21) 1,1-Dichloropropylene	13.30	75	1214830	126.16	ppb	99
23) Carbon Tetrachloride	13.51	117	1090893	90.38	ppb	100
24) 1,2-Dichloroethane	13.62	62	1064585	90.41	ppb	100
25) Benzene	13.76	78	3375405	132.91	ppb	100
27) Trichloroethylene	15.00	95	935215	134.60	ppb	99
28) Dibromomethane	15.78	93	611986	108.56	ppb	# 39
29) Methyl Methacrylate	15.38	69	451452	128.21	ppb	100
30) Bromodichloromethane	15.71	83	1198378	120.58	ppb	100
31) 1,2-Dichloropropane	15.28	63	847600	144.95	ppb	96

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\VO3618.D
 Acq On : 18 Apr 2001 1:48 am
 Sample : 150ppb CALIBRATION STD SOIL
 Misc : QBV1041701A
 MS Integration Params: rteint.p
 Quant Time: Apr 18 7:15 19101

Vial: 11
 Operator: SS
 Inst : VOA No.1
 Multiplr: 1.00

Quant Results File: V1C57S.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C57S.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Wed Mar 28 08:01:01 2001
 Response via : Initial Calibration
 DataAcq Meth : V1C57S

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
32) cis-1,3-Dichloropropene	16.81	75	2563891	277.99	ppb	99
33) 2-Hexanone	18.21	43	423872	140.48	ppb	97
35) Toluene	17.58	91	3334375	142.52	ppb	100
36) trans-1,3-Dichloropropene	17.81	75	2131727	243.75	ppb	100
37) 1,1,2-Trichloroethane	18.15	83	548014	113.57	ppb	97
38) 1,3-Dichloropropane	18.66	76	1050988	119.08	ppb	# 100
39) Tetrachloroethylene	19.02	166	1856788	232.50	ppb	# 50
40) 4-Methyl-2-Pentanone	16.44	43	629797	143.44	ppb	97
41) Dibromochloromethane	19.24	129	793683	110.65	ppb	100
42) 1,2-Dibromoethane	19.70	107	637065	103.55	ppb	99
43) Chlorobenzene	20.69	112	1903268	132.04	ppb	# 100
44) Ethyl Benzene	20.86	91	3472790	148.17	ppb	99
45) p- & m-Xylenes	21.03	91	5370061	287.31	ppb	100
46) o-Xylene	21.98	91	2707250	152.12	ppb	100
47) Styrene	22.02	104	4029402	304.59	ppb	96
48) 1,1,1,2-Tetrachloroethane	20.77	131	695917	122.35	ppb	97
50) Bromoform	22.64	173	916529	147.98	ppb	# 100
52) 1,1,2,2-Tetrachloroethane	23.00	83	713005	95.87	ppb	100
53) 1,2,3-Trichloropropane	23.31	110	170688m	75.17	ppb	
54) Isopropylbenzene	22.79	105	3083460	119.22	ppb	# 100
55) 1,2-Dibromo-3-Chloropropan	28.21	75	120683	75.62	ppb	# 62
56) Bromobenzene	23.68	77	1400526	118.72	ppb	# 55
57) n-Propylbenzene	23.66	91	3920933	131.99	ppb	100
58) 2-Chlorotoluene	24.01	91	2597700m	188.60	ppb	
59) 4-Chlorotoluene	24.13	91	2159553m	156.79	ppb	
60) tert-Butylbenzene	24.79	119	2547910	113.81	ppb	# 99
61) 1,3,5-trimethylbenzene	24.01	105	2469579	118.94	ppb	98
62) 1,2,4-trimethylbenzene	24.85	105	2416117	111.58	ppb	98
63) sec-Butylbenzene	25.26	105	3191367	118.41	ppb	# 99
64) 1,3-Dichlorobenzene	25.69	146	1810811m	139.12	ppb	
65) 1,4-Dichlorobenzene	25.90	146	1829442	138.53	ppb	# 68
66) 1,2-Dichlorobenzene	26.67	146	1682827	127.14	ppb	# 68
67) p-Isopropyltoluene	25.55	119	2448996	112.90	ppb	# 99
68) n-Butylbenzene	26.40	91	2606287	111.75	ppb	99
69) 1,2,4-Trichlorobenzene	30.22	180	1454591	176.71	ppb	99
70) Naphthalene	30.77	128	1515641	93.03	ppb	# 100
71) Hexachloro-1,3-Butadiene	30.62	225	276492	52.28	ppb	# 99
72) 1,2,3-Trichlorobenzene	31.41	182	1187241m	160.96	ppb	

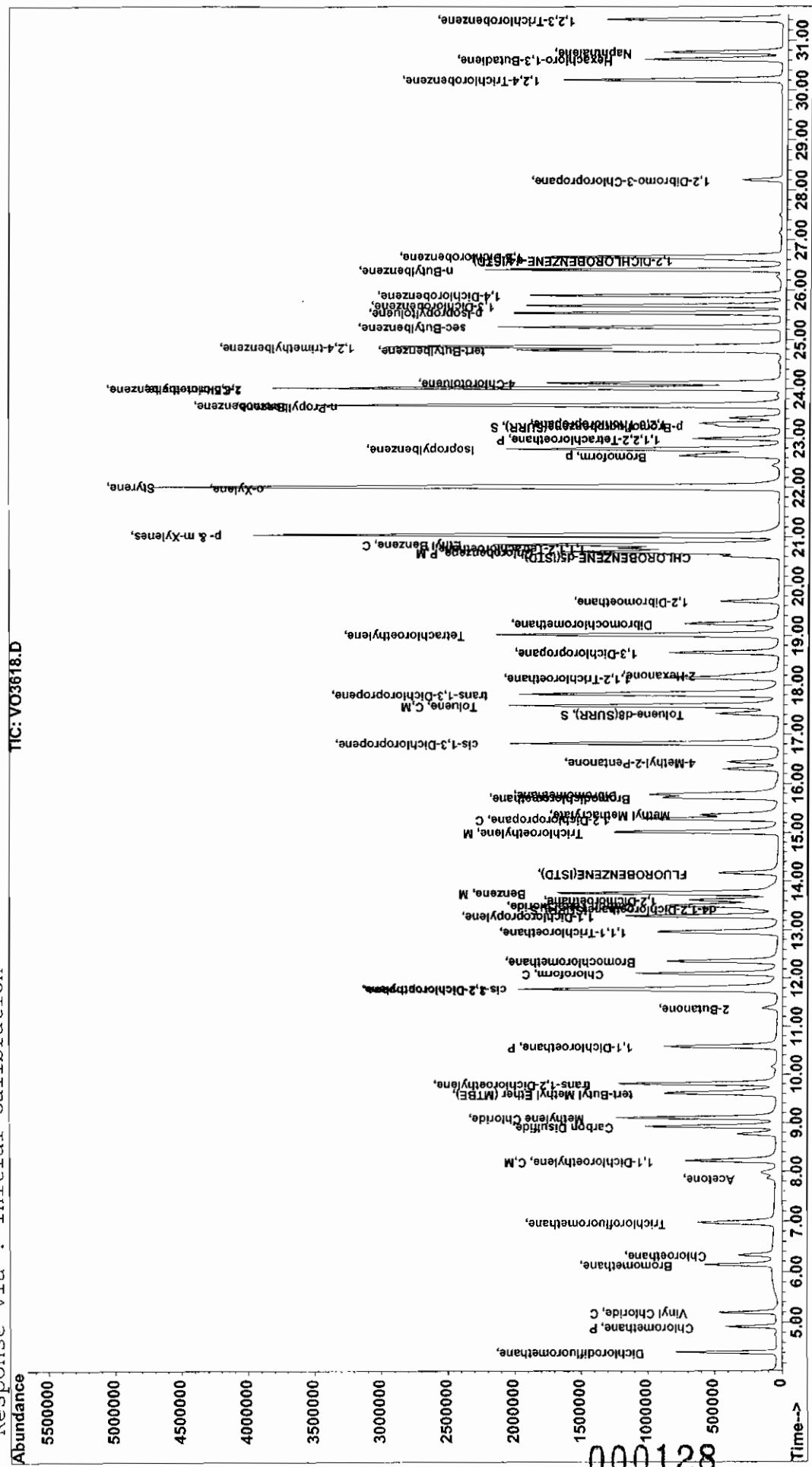
Quantitati Report

Data File : C:\HPCHEM\1\DATA\VO3618.D
 Acq On : 18 Apr 2001 1:48 am
 Sample : 150ppb CALIBRATION STD SOIL
 Misc : QBV1041701A
 MS Integration Params: rteint.p
 Quant Time: Apr 18 7:15 19101

Vial: 11
 Operator: SS
 Inst : VOA No.1
 Multiplr: 1.00

Quant Results File: V1C57S.RES

Method : C:\HPCHEM\1\METHODS\V1C58S.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Wed Apr 18 07:10:16 2001
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\VO3619.D
 Acq On : 18 Apr 2001 2:29 am
 Sample : 200ppb CALIBRATION STD SOIL
 Misc : QBV1041701A
 MS Integration Params: rteint.p
 Quant Time: Apr 18 7:16 19101

Vial: 12
 Operator: SS
 Inst : VOA No.1
 Multiplr: 1.00

Quant Results File: V1C57S.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C57S.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Wed Mar 28 08:01:01 2001
 Response via : Initial Calibration
 DataAcq Meth : V1C57S

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.17	70	217881	50.00	ppb	0.10
26) CHLOROBENZENE-d5(ISTD)	20.61	117	521817	50.00	ppb	0.10
49) 1,2-DICHLOROBENZENE-d4(ISTD)	26.61	152	299190	50.00	ppb	0.10

System Monitoring Compounds

22) d4-1,2-Dichloroethane(SURR)	13.44	65	238627	31.94	ppb	0.10
Spiked Amount	50.000	Range	58 - 124	Recovery	=	63.88%
34) Toluene-d8(SURR)	17.42	98	725468	52.24	ppb	0.10
Spiked Amount	50.000	Range	70 - 134	Recovery	=	104.48%
51) p-Bromofluorobenzene(SURR)	23.26	174	362133	67.90	ppb	0.10
Spiked Amount	50.000	Range	59 - 145	Recovery	=	135.80%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	4.42	85	1414624	113.40	ppb	100
3) Chloromethane	4.93	50	1209395	266.55	ppb	100
4) Vinyl Chloride	5.21	62	1173751	194.98	ppb	100
5) Bromomethane	6.14	94	1001319	172.35	ppb	100
6) Chloroethane	6.33	64	696122	187.97	ppb	100
7) Trichlorofluoromethane	6.98	101	1677108	78.19	ppb	99
8) 1,1-Dichloroethylene	8.22	61	1398508	105.97	ppb	# 80
9) trans-1,2-Dichloroethylene	9.82	61	2140771	140.01	ppb	98
10) Carbon Disulfide	8.93	76	813934	147.57	ppb	100
11) Methylene Chloride	9.11	49	2010357	144.57	ppb	92
12) tert-Butyl Methyl Ether (M	9.61	73	3419863	151.30	ppb	# 100
13) Acetone	7.85	43	258424	93.87	ppb	# 94
14) 1,1-Dichloroethane	10.59	63	2697399	149.86	ppb	100
15) cis-1,2-Dichloroethylene	11.78	96	1687564	165.64	ppb	# 68
16) 2-Butanone	11.38	72	91895	116.87	ppb	76
17) 2,2-Dichloropropane	11.77	77	2054566	147.76	ppb	100
18) Bromochloromethane	12.36	49	1115664	170.36	ppb	# 87
19) Chloroform	12.10	83	2687412	140.97	ppb	100
20) 1,1,1-Trichloroethane	12.97	97	2158139	143.13	ppb	100
21) 1,1-Dichloropropylene	13.30	75	1929017	177.07	ppb	99
23) Carbon Tetrachloride	13.51	117	1760739	128.94	ppb	100
24) 1,2-Dichloroethane	13.62	62	1569756	117.84	ppb	99
25) Benzene	13.76	78	5486864	190.97	ppb	100
27) Trichloroethylene	15.01	95	1495387	202.17	ppb	98
28) Dibromomethane	15.78	93	942380	157.03	ppb	# 39
29) Methyl Methacrylate	15.38	69	672619	179.43	ppb	100
30) Bromodichloromethane	15.71	83	1880516	177.74	ppb	100
31) 1,2-Dichloropropane	15.28	63	1350402	216.93	ppb	96

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\VO3619.D
 Acq On : 18 Apr 2001 2:29 am
 Sample : 200ppb CALIBRATION STD SOIL
 Misc : QBV1041701A
 MS Integration Params: rteint.p
 Quant Time: Apr 18 7:16 19101

Vial: 12
 Operator: SS
 Inst : VOA No.1
 Multiplr: 1.00

Quant Results File: V1C57S.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C57S.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Wed Mar 28 08:01:01 2001
 Response via : Initial Calibration
 DataAcq Meth : V1C57S

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
32) cis-1,3-Dichloropropene	16.81	75	4027737	410.24	ppb	99
33) 2-Hexanone	18.21	43	562697	175.19	ppb	97
35) Toluene	17.58	91	5151355	206.83	ppb	100
36) trans-1,3-Dichloropropene	17.81	75	3212851	345.10	ppb	100
37) 1,1,2-Trichloroethane	18.15	83	817702	159.19	ppb	97
38) 1,3-Dichloropropane	18.66	76	1585233	168.73	ppb #	100
39) Tetrachloroethylene	19.02	166	3002879	353.21	ppb #	50
40) 4-Methyl-2-Pentanone	16.44	43	863705	184.80	ppb	98
41) Dibromochloromethane	19.24	129	1203243	157.58	ppb	100
42) 1,2-Dibromoethane	19.70	107	932600	142.40	ppb	99
43) Chlorobenzene	20.70	112	2838912	185.01	ppb #	100
44) Ethyl Benzene	20.86	91	5175875	207.45	ppb	99
45) p- & m-Xylenes	21.03	91	7806234	392.34	ppb	100
46) o-Xylene	21.98	91	3842723	202.83	ppb	99
47) Styrene	22.02	104	5808087	412.43	ppb	95
48) 1,1,1,2-Tetrachloroethane	20.78	131	1070189	176.74	ppb	97
50) Bromoform	22.65	173	1257096	205.45	ppb #	100
52) 1,1,2,2-Tetrachloroethane	23.00	83	933487	127.05	ppb	99
53) 1,2,3-Trichloropropane	23.32	110	223323m	99.55	ppb	
54) Isopropylbenzene	22.79	105	4401317	172.26	ppb #	100
55) 1,2-Dibromo-3-Chloropropan	28.21	75	157245	99.73	ppb #	63
56) Bromobenzene	23.68	77	1963715	168.51	ppb #	55
57) n-Propylbenzene	23.66	91	5452293	185.78	ppb	100
58) 2-Chlorotoluene	24.02	91	3579796m	263.09	ppb	
59) 4-Chlorotoluene	24.13	91	3030271m	222.70	ppb	
60) tert-Butylbenzene	24.79	119	3531921	159.69	ppb #	99
61) 1,3,5-trimethylbenzene	24.02	105	3517880	171.51	ppb	98
62) 1,2,4-trimethylbenzene	24.87	105	3448912	161.23	ppb	98
63) sec-Butylbenzene	25.26	105	4411111	165.68	ppb #	99
64) 1,3-Dichlorobenzene	25.69	146	2547548m	198.12	ppb	
65) 1,4-Dichlorobenzene	25.90	146	2561192	196.31	ppb #	99
66) 1,2-Dichlorobenzene	26.68	146	2332168	178.36	ppb #	99
67) p-Isopropyltoluene	25.55	119	3457260	161.34	ppb #	98
68) n-Butylbenzene	26.40	91	3615390	156.92	ppb	99
69) 1,2,4-Trichlorobenzene	30.22	180	2121666	260.91	ppb	99
70) Naphthalene	30.77	128	2079102	129.18	ppb #	100
71) Hexachloro-1,3-Butadiene	30.62	225	399749	76.51	ppb #	99
72) 1,2,3-Trichlorobenzene	31.41	182	1723505m	236.52	ppb	

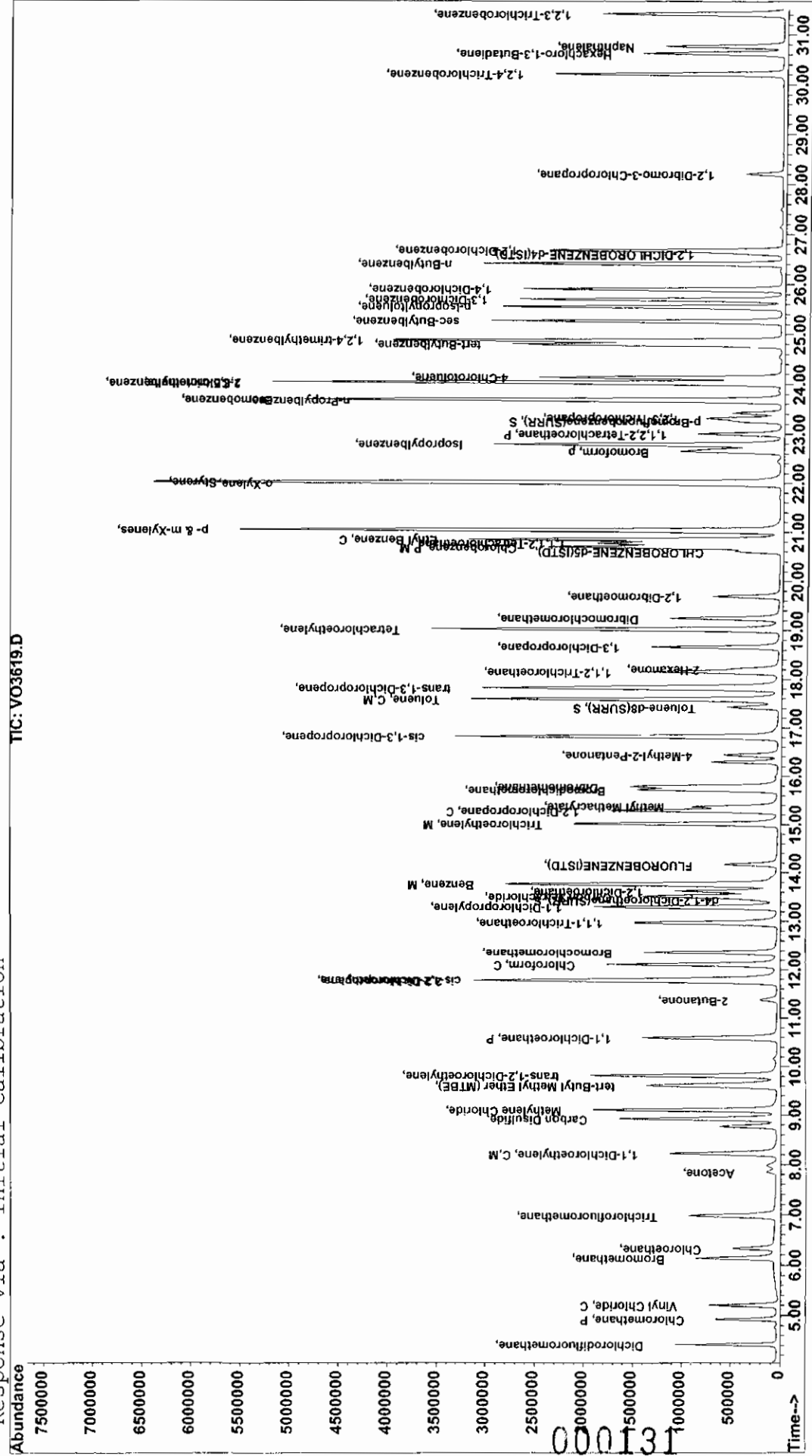
Quantitative Report

Data File : C:\HPCHEM\1\DATA\VO3619.D
 Acq On : 18 Apr 2001 2:29 am
 Sample : 200ppb CALIBRATION STD SOIL
 Misc : QBV1041701A
 MS Integration Params: rteint.p
 Quant Time: Apr 18 7:16 19101

Vial: 12
 Operator: SS
 Inst : VOA No.1
 Multiplr: 1.00

Quant Results File: V1C57S.RES

Method : C:\HPCHEM\1\METHODS\V1C58S.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Wed Apr 18 07:10:16 2001
 Response via : Initial Calibration



Response Factor Report VOA No.1

Method : C:\HPCHEM\1\METHODS\V1C61W.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Thu Apr 26 07:45:13 2001
 Response via : Initial Calibration

Calibration Files

20 =VO3870.D 50 =VO3871.D 100 =VO3872.D
 150 =VO3873.D 200 =VO3874.D 10 =VO3869.D

Compound	20	50	100	150	200	10	Avg	%RSD
1) FLUOROBENZENE (ISTD)	-----ISTD-----							
2) Dichlorodifluoromet	2.622	3.020	2.952	2.712	2.423	3.463	2.865	12.74
3) P Chloromethane	1.022	0.993	1.046	0.993	0.833	1.613	1.083	24.94
4) C Vinyl Chloride	0.984	1.402	1.309	1.242	1.138	1.480	1.259	14.31#
5) Bromomethane	0.861	1.018	0.979	1.044	1.060	1.018	0.997	7.22
6) Chloroethane	0.559	0.611	0.619	0.628	0.589	0.772	0.630	11.72
7) Trichlorofluorometh	3.033	3.481	3.435	3.438	3.276	3.660	3.387	6.28
8) C,M 1,1-Dichloroethylen	1.633	2.103	2.225	2.239	2.174	2.378	2.125	12.13#
9) trans-1,2-Dichloroe	1.803	2.215	2.238	2.284	2.185	2.449	2.196	9.74
10) Carbon Disulfide	0.469	0.587	0.595	0.591	0.562	0.695	0.583	12.44
11) Methylene Chloride	1.923	1.883	1.813	1.797	1.698	2.518	1.938	15.17
12) tert-Butyl Methyl E	4.632	4.919	4.937	4.915	4.762	4.994	4.860	2.79
13) Acetone	1.009	0.878	0.676	0.597	0.538	1.267	0.827	33.69
14) P 1,1-Dichloroethane	2.373	2.780	2.817	2.853	2.709	3.151	2.781	9.02
15) cis-1,2-Dichloroeth	1.173	1.343	1.307	1.261	1.189	1.517	1.298	9.67
16) 2-Butanone	0.087	0.096	0.107	0.103	0.105	0.116	0.102	9.71
17) 2,2-Dichloropropane	2.035	2.542	2.674	2.559	2.413	2.890	2.519	11.35
18) Bromochloromethane	1.107	1.208	1.213	1.206	1.152	1.263	1.191	4.55
19) C Chloroform	3.157	3.602	3.673	3.736	3.575	3.957	3.617	7.28#
20) 1,1,1-Trichloroetha	2.431	3.128	3.353	3.338	3.197	3.526	3.162	12.14
21) 1,1-Dichloropropyle	1.499	1.969	2.080	2.080	1.981	2.221	1.972	12.61
22) S d4-1,2-Dichloroetha	2.206	2.329	2.385	2.352	2.304	2.351	2.321	2.69
23) Carbon Tetrachlorid	2.075	2.795	3.010	3.021	2.885	3.070	2.809	13.30
24) 1,2-Dichloroethane	3.270	3.503	3.583	3.609	3.472	3.525	3.494	3.46
25) M Benzene	3.521	4.029	3.938	3.957	3.766	4.635	3.974	9.35
26) CHLOROBENZENE-d5 (ISTD)	-----ISTD-----							
27) M Trichloroethylene	0.490	0.541	0.587	0.546	0.528	0.623	0.553	8.47
28) Dibromomethane	0.531	0.493	0.530	0.500	0.471	0.521	0.508	4.66
29) Methyl Methacrylate	0.335	0.320	0.342	0.309	0.309	0.323	0.323	4.26
30) Bromodichloromethan	1.110	1.077	1.193	1.107	1.065	1.171	1.120	4.57
31) C 1,2-Dichloropropane	0.447	0.444	0.473	0.435	0.415	0.482	0.449	5.46#
32) cis-1,3-Dichloropro	0.933	0.893	0.952	0.868	0.831	0.946	0.904	5.33
33) 2-Hexanone	0.282	0.274	0.313	0.278	0.278	0.258	0.280	6.38
34) S Toluene-d8 (SURR)	1.315	1.159	1.207	1.117	1.144	1.186	1.188	5.87
35) C,M Toluene	1.486	1.527	1.569	1.459	1.425	1.765	1.539	7.93#
36) trans-1,3-Dichlorop	1.005	0.947	1.023	0.959	0.929	0.974	0.973	3.68
37) 1,1,2-Trichloroetha	0.378	0.359	0.390	0.363	0.347	0.386	0.370	4.56
38) 1,3-Dichloropropane	0.858	0.801	0.871	0.808	0.778	0.832	0.825	4.30
39) Tetrachloroethylene	0.474	0.549	0.559	0.545	0.518	0.556	0.533	6.09
40) 4-Methyl-2-Pentanone	0.431	0.409	0.455	0.410	0.406	0.431	0.423	4.51
41) Dibromochloromethan	0.762	0.726	0.814	0.768	0.738	0.752	0.760	4.01
42) 1,2-Dibromoethane	0.591	0.556	0.597	0.572	0.547	0.582	0.574	3.40

Response Factor Report VOA No.1

Method : C:\HPCHEM\1\METHODS\V1C61W.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Thu Apr 26 07:45:13 2001
 Response via : Initial Calibration

Calibration Files

20 =VO3870.D 50 =VO3871.D 100 =VO3872.D
 150 =VO3873.D 200 =VO3874.D 10 =VO3869.D

	Compound	20	50	100	150	200	10	Avg	%RSD
43)	P,M Chlorobenzene	1.101	1.066	1.111	1.060	0.996	1.189	1.087	5.89
44)	C Ethyl Benzene	1.726	1.796	1.927	1.851	1.748	1.943	1.832	4.96#
45)	p- & m-Xylenes	1.430	1.436	1.570	1.497	1.391	1.658	1.497	6.72
46)	o-Xylene	1.530	1.519	1.614	1.647	1.460	1.747	1.586	6.55
47)	Styrene	1.081	1.029	1.061	1.000	0.927	1.162	1.043	7.59
48)	1,1,1,2-Tetrachloro	0.571	0.550	0.600	0.563	0.531	0.609	0.570	5.22
49)	1,2-DICHLOROBENZENE-d	-----ISTD-----							
50)	p Bromoform	1.059	1.076	1.087	1.074	1.069	1.102	1.078	1.40
51)	S p-Bromofluorobenzen	1.090	1.054	1.058	1.047	1.033	1.085	1.061	2.09
52)	P 1,1,2,2-Tetrachloro	1.012	0.992	1.006	0.967	0.964	1.096	1.006	4.80
53)	1,2,3-Trichloroprop	0.412	0.409	0.409	0.394	0.395	0.432	0.408	3.40
54)	Isopropylbenzene	3.195	3.541	3.623	3.558	3.445	4.108	3.579	8.37
55)	1,2-Dibromo-3-Chlor	0.177	0.179	0.190	0.188	0.191	0.216	0.190	7.25
56)	Bromobenzene	2.139	2.169	2.116	2.077	2.016	2.490	2.168	7.68
57)	n-Propylbenzene	3.443	3.733	3.743	3.673	3.556	4.497	3.774	9.87
58)	2-Chlorotoluene	3.145	3.366	3.207	3.299	3.153	3.893	3.344	8.44
59)	4-Chlorotoluene	2.895	3.045	3.106	2.941	2.923	3.666	3.096	9.38
60)	tert-Butylbenzene	2.743	2.808	2.931	2.884	2.781	3.591	2.957	10.77
61)	1,3,5-trimethylbenz	2.740	3.001	2.997	2.995	2.827	3.645	3.034	10.50
62)	1,2,4-trimethylbenz	2.914	3.087	3.080	3.062	2.943	3.700	3.131	9.21
63)	sec-Butylbenzene	2.414	2.695	2.720	2.742	2.629	3.365	2.761	11.55
64)	1,3-Dichlorobenzene	1.554	1.598	1.617	1.622	1.554	1.916	1.643	8.33
65)	1,4-Dichlorobenzene	1.697	1.724	1.688	1.665	1.630	2.156	1.760	11.17
66)	1,2-Dichlorobenzene	1.470	1.520	1.532	1.495	1.450	1.771	1.540	7.61
67)	p-Isopropyltoluene	2.170	2.403	2.479	2.478	2.360	3.106	2.499	12.73
68)	n-Butylbenzene	1.745	1.929	1.981	1.995	1.951	2.527	2.021	13.06
69)	1,2,4-Trichlorobenz	0.446	0.470	0.515	0.513	0.536		0.496	7.43
70)	Naphthalene	0.815	0.736	0.849	0.861	0.891		0.830	7.12
71)	Hexachloro-1,3-Buta	0.223	0.232	0.218	0.249	0.253		0.235	6.52
72)	1,2,3-Trichlorobenz	0.271	0.254	0.292	0.298	0.313		0.286	8.22

BFB

Data File : C:\HPCHEM\1\DATA\VO3869.D

Vial: 8

Acq On : 25 Apr 2001 6:56 pm

Operator: BB

Sample : 10ppb VOA CALIBRATION STD WATER

Inst : VOA No.1

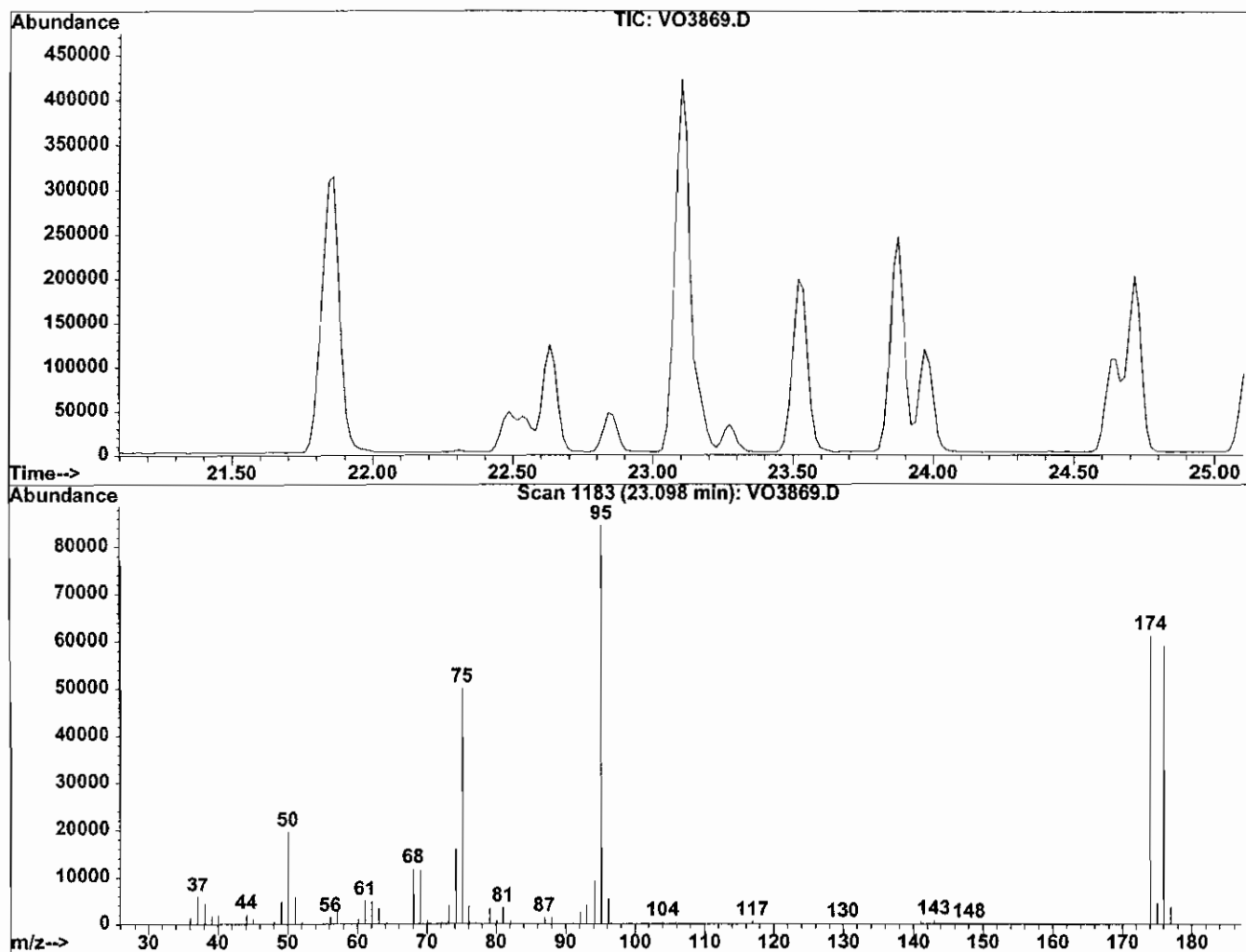
Misc : QBV1042501A

Multiplr: 1.00

MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\V1C60W.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260



Spectrum Information: Scan 1183

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	10	40	23.4	19760	PASS
75	95	30	60	59.2	50096	PASS
95	95	100	100	100.0	84624	PASS
96	95	5	9	6.5	5497	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	72.4	61232	PASS
175	174	5	9	7.4	4560	PASS
176	174	90	105	96.5	59104	PASS
177	176	5	9	6.2	3674	PASS

000134

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\VO3869.D
 Acq On : 25 Apr 2001 6:56 pm
 Sample : 10ppb VOA CALIBRATION STD WATER
 Misc : QBV1042501A
 MS Integration Params: rteint.p
 Quant Time: Apr 26 7:41 19101

Vial: 8
 Operator: BB
 Inst : VOA No.1
 Multiplr: 1.00

Quant Results File: V1C60W.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C60W.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Wed Apr 18 08:12:40 2001
 Response via : Initial Calibration
 DataAcq Meth : V1C60W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.01	70	193879	50.00	ppb	-0.17
26) CHLOROBENZENE-d5(ISTD)	20.45	117	496029	50.00	ppb	-0.15
49) 1,2-DICHLOROBENZENE-d4(IST	26.47	152	204911	50.00	ppb	-0.15

System Monitoring Compounds

22) d4-1,2-Dichloroethane(SURR	13.27	65	455768	85.79	ppb	-0.17
Spiked Amount	50.000	Range	64 - 122	Recovery	=	171.58%#
34) Toluene-d8(SURR)	17.26	98	588314	45.55	ppb	-0.15
Spiked Amount	50.000	Range	83 - 114	Recovery	=	91.10%
51) p-Bromofluorobenzene(SURR)	23.10	174	222309	39.30	ppb	-0.15
Spiked Amount	50.000	Range	71 - 126	Recovery	=	78.60%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	4.30	85	134262	23.90	ppb	100
3) Chloromethane	4.80	50	62554	11.75	ppb	100
4) Vinyl Chloride	5.08	62	57378	24.21	ppb	100
5) Bromomethane	6.01	94	39478	8.39	ppb	96
6) Chloroethane	6.19	64	29916	10.48	ppb	99
7) Trichlorofluoromethane	6.83	101	141914	23.72	ppb	99
8) 1,1-Dichloroethylene	8.06	61	92206	18.07	ppb	# 77
9) trans-1,2-Dichloroethylene	9.64	61	94956	12.13	ppb	94
10) Carbon Disulfide	8.77	76	26952	9.55	ppb	99
11) Methylene Chloride	8.95	49	97619	10.96	ppb	97
12) tert-Butyl Methyl Ether (M	9.46	73	193665	12.68	ppb	# 100
13) Acetone	7.69	43	49119m	27.41	ppb	
14) 1,1-Dichloroethane	10.43	63	122179	12.04	ppb	100
15) cis-1,2-Dichloroethylene	11.61	96	58815	9.25	ppb	# 99
16) 2-Butanone	11.23	72	4506	9.60	ppb	79
17) 2,2-Dichloropropane	11.59	77	112069	20.83	ppb	100
18) Bromochloromethane	12.19	49	48957	9.51	ppb	# 100
19) Chloroform	11.93	83	153433	14.80	ppb	99
20) 1,1,1-Trichloroethane	12.80	97	136741	18.10	ppb	# 99
21) 1,1-Dichloropropylene	13.12	75	86117	12.66	ppb	97
23) Carbon Tetrachloride	13.35	117	119057	20.83	ppb	99
24) 1,2-Dichloroethane	13.46	62	136692	18.04	ppb	# 99
25) Benzene	13.59	78	179722	8.89	ppb	100
27) Trichloroethylene	14.85	95	61844	11.84	ppb	97
28) Dibromomethane	15.62	93	51722	11.92	ppb	# 74
29) Methyl Methacrylate	15.22	69	32036	9.74	ppb	100
30) Bromodichloromethane	15.55	83	116202	15.18	ppb	98
31) 1,2-Dichloropropane	15.12	63	47781	8.89	ppb	# 85

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\VO3869.D
 Acq On : 25 Apr 2001 6:56 pm
 Sample : 10ppb VOA CALIBRATION STD WATER
 Misc : QBV1042501A
 MS Integration Params: rteint.p
 Quant Time: Apr 26 7:41 19101

Vial: 8
 Operator: BB
 Inst : VOA No.1
 Multiplr: 1.00

Quant Results File: V1C60W.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C60W.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Wed Apr 18 08:12:40 2001
 Response via : Initial Calibration
 DataAcq Meth : V1C60W

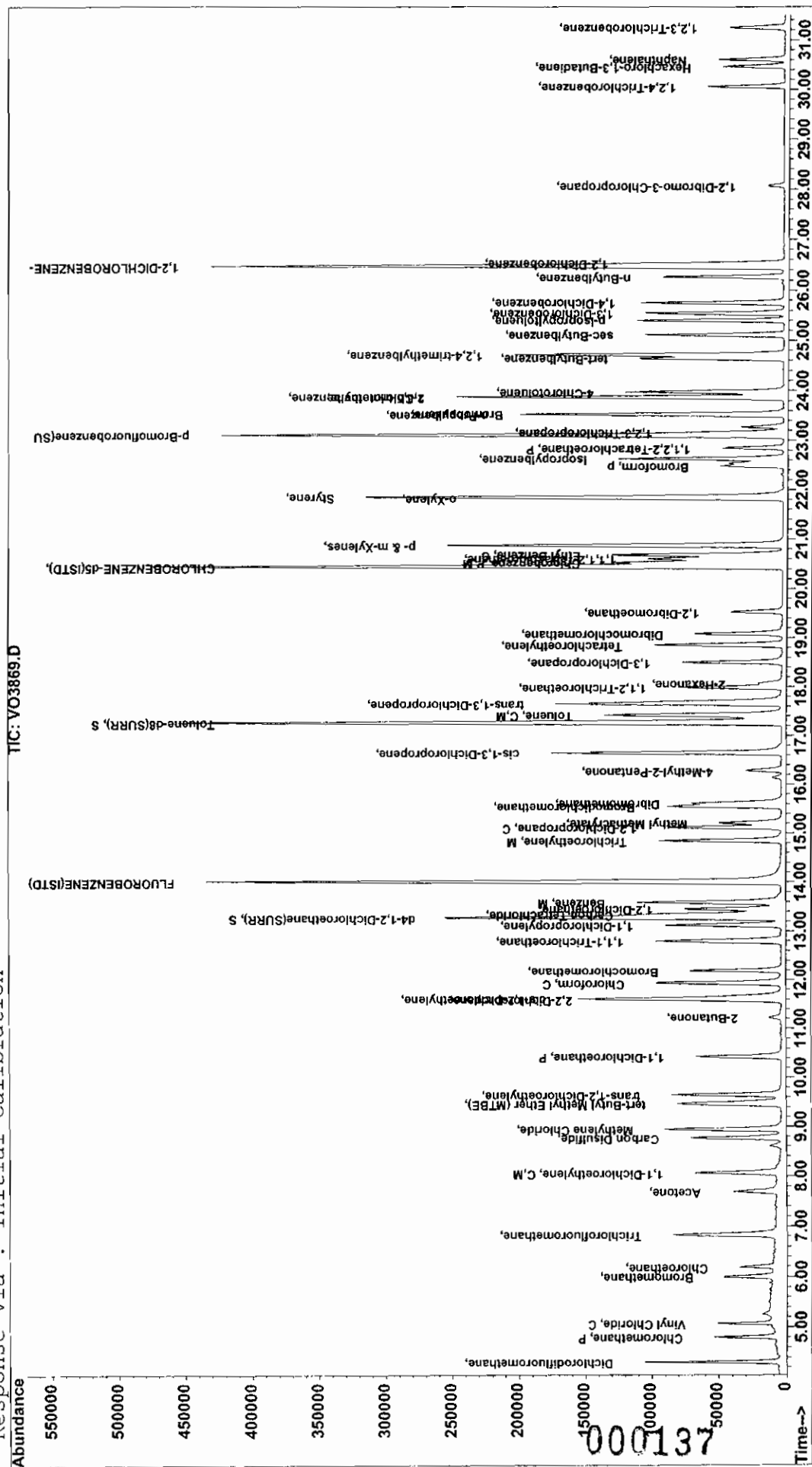
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
32) cis-1,3-Dichloropropene	16.65	75	187712	23.40	ppb	100
33) 2-Hexanone	18.07	43	25579	9.69	ppb	96
35) Toluene	17.42	91	175133	9.60	ppb	99
36) trans-1,3-Dichloropropene	17.65	75	193158	28.34	ppb	# 98
37) 1,1,2-Trichloroethane	17.99	83	38268	9.99	ppb	98
38) 1,3-Dichloropropane	18.50	76	82504	11.27	ppb	# 100
39) Tetrachloroethylene	18.86	166	55113	5.34	ppb	# 100
40) 4-Methyl-2-Pentanone	16.28	43	42754	10.33	ppb	98
41) Dibromochloromethane	19.08	129	74594	14.40	ppb	99
42) 1,2-Dibromoethane	19.52	107	57715	12.82	ppb	99
43) Chlorobenzene	20.53	112	117914	10.95	ppb	# 99
44) Ethyl Benzene	20.70	91	192776	10.62	ppb	100
45) p- & m-Xylenes	20.87	91	328976	23.57	ppb	98
46) o-Xylene	21.82	91	173323	11.91	ppb	98
47) Styrene	21.86	104	230520	20.05	ppb	93
48) 1,1,1,2-Tetrachloroethane	20.62	131	60454	14.82	ppb	90
50) Bromoform	22.49	173	45180	10.10	ppb	# 100
52) 1,1,2,2-Tetrachloroethane	22.84	83	44929	13.30	ppb	# 99
53) 1,2,3-Trichloropropane	23.16	110	17705m	21.46	ppb	
54) Isopropylbenzene	22.63	105	168359	15.43	ppb	# 99
55) 1,2-Dibromo-3-Chloropropan	28.06	75	8842	28.11	ppb	# 59
56) Bromobenzene	23.53	77	102056	16.16	ppb	# 75
57) n-Propylbenzene	23.52	91	184311	13.84	ppb	100
58) 2-Chlorotoluene	23.87	91	159524m	16.15	ppb	
59) 4-Chlorotoluene	23.97	91	150237m	16.88	ppb	
60) tert-Butylbenzene	24.64	119	147167	19.17	ppb	# 98
61) 1,3,5-trimethylbenzene	23.87	105	149395	17.31	ppb	97
62) 1,2,4-trimethylbenzene	24.71	105	151638	17.39	ppb	97
63) sec-Butylbenzene	25.11	105	137903	16.29	ppb	# 100
64) 1,3-Dichlorobenzene	25.55	146	78535m	11.45	ppb	
65) 1,4-Dichlorobenzene	25.76	146	88360	12.39	ppb	# 95
66) 1,2-Dichlorobenzene	26.53	146	72566	11.77	ppb	# 99
67) p-Isopropyltoluene	25.40	119	127303	18.88	ppb	# 98
68) n-Butylbenzene	26.26	91	103568	16.87	ppb	99
69) 1,2,4-Trichlorobenzene	30.06	180	34725	19.34	ppb	99
70) Naphthalene	30.61	128	81508	49.42	ppb	# 97
71) Hexachloro-1,3-Butadiene	30.46	225	19880	87.35	ppb	98
72) 1,2,3-Trichlorobenzene	31.25	182	28504	30.49	ppb	# 48

Data File : C:\HPCHEM\1\DATA\VO3869.D
Acq On : 25 Apr 2001 6:56 pm
Sample : 10ppb VOA CALIBRATION STD WATER
Misc : QBV1042501A
MS Integration Params: rteint.p
Quant Time: Apr 26 7:41 19101
Vial: 8
Operator: BB
Inst : VOA No.1
Multiplr: 1.00
Quant Results File: V1C60W.RES

```

Method      : C:\HPCHEM\1\METHODS\V1C61W.M (RTE Integrator)
Title       : VOCs BY GC/MS 8240/8260
Last Update : Thu Apr 26 07:45:13 2001
Response via : Initial Calibration

```



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\VO3870.D
 Acq On : 25 Apr 2001 7:35 pm
 Sample : 20ppb VOA CALIBRATION STD WATER
 Misc : QBV1042501A
 MS Integration Params: rteint.p
 Quant Time: Apr 26 7:42 19101

Vial: 9
 Operator: BB
 Inst : VOA No.1
 Multiplr: 1.00

Quant Results File: V1C60W.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C60W.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Wed Apr 18 08:12:40 2001
 Response via : Initial Calibration
 DataAcq Meth : V1C60W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.00	70	190014	50.00	ppb	-0.18
26) CHLOROBENZENE-d5(ISTD)	20.44	117	438854	50.00	ppb	-0.16
49) 1,2-DICHLOROBENZENE-d4(ISTD)	26.47	152	201205	50.00	ppb	-0.15

System Monitoring Compounds

22) d4-1,2-Dichloroethane(SURR)	13.27	65	419220	80.52	ppb	-0.16
Spiked Amount	50.000	Range	64 - 122	Recovery	=	161.04%#
34) Toluene-d8(SURR)	17.25	98	577218	50.51	ppb	-0.16
Spiked Amount	50.000	Range	83 - 114	Recovery	=	101.02%
51) p-Bromofluorobenzene(SURR)	23.10	174	219289	39.48	ppb	-0.15
Spiked Amount	50.000	Range	71 - 126	Recovery	=	78.96%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	4.29	85	199296	36.20	ppb	100
3) Chloromethane	4.79	50	77673	14.88	ppb	100
4) Vinyl Chloride	5.07	62	74789	32.20	ppb	100
5) Bromomethane	6.00	94	65441	14.19	ppb	98
6) Chloroethane	6.19	64	42480	15.19	ppb	99
7) Trichlorofluoromethane	6.84	101	230520	39.31	ppb	100
8) 1,1-Dichloroethylene	8.06	61	124087	24.81	ppb	# 76
9) trans-1,2-Dichloroethylene	9.64	61	137026	17.85	ppb	94
10) Carbon Disulfide	8.76	76	35613	12.87	ppb	100
11) Methylene Chloride	8.93	49	146136	16.74	ppb	98
12) tert-Butyl Methyl Ether (M	9.45	73	352049	23.52	ppb	# 100
13) Acetone	7.69	43	76706m	43.68	ppb	
14) 1,1-Dichloroethane	10.42	63	180399	18.14	ppb	100
15) cis-1,2-Dichloroethylene	11.61	96	89175	14.30	ppb	# 99
16) 2-Butanone	11.24	72	6627	14.41	ppb	70
17) 2,2-Dichloropropane	11.59	77	154704	29.34	ppb	100
18) Bromochloromethane	12.19	49	84132	16.67	ppb	# 100
19) Chloroform	11.93	83	239913	23.61	ppb	100
20) 1,1,1-Trichloroethane	12.80	97	184779	24.96	ppb	# 99
21) 1,1-Dichloropropylene	13.13	75	113947	17.09	ppb	98
23) Carbon Tetrachloride	13.33	117	157723	28.15	ppb	99
24) 1,2-Dichloroethane	13.45	62	248528	33.46	ppb	# 99
25) Benzene	13.59	78	267633	13.51	ppb	100
27) Trichloroethylene	14.85	95	85941	18.60	ppb	96
28) Dibromomethane	15.61	93	93216	24.28	ppb	# 75
29) Methyl Methacrylate	15.20	69	58863	20.23	ppb	100
30) Bromodichloromethane	15.54	83	194832	28.76	ppb	98
31) 1,2-Dichloropropane	15.11	63	78470	16.49	ppb	# 84

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

VO3870.D V1C61W.M Thu Apr 26 07:45:40 2001

000138

Quantitation Report

(Not Reviewed)

Data File : C:\HPCHEM\1\DATA\VO3870.D
Acq On : 25 Apr 2001 7:35 pm
Sample : 20ppb VOA CALIBRATION STD WATER
Misc : QBV1042501A
MS Integration Params: rteint.p
Quant Time: Apr 26 7:42 19101

Vial: 9
Operator: BB
Inst : VOA No.1
Multiplr: 1.00

Quant Results File: V1C60W.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C60W.M (RTE Integrator)
Title : VOCs BY GC/MS 8240/8260
Last Update : Wed Apr 18 08:12:40 2001
Response via : Initial Calibration
DataAcq Meth : V1C60W

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
32) cis-1,3-Dichloropropene	16.65	75	327519	46.14	ppb	99
33) 2-Hexanone	18.07	43	49464	21.18	ppb	# 94
35) Toluene	17.41	91	260884	16.17	ppb	100
36) trans-1,3-Dichloropropene	17.65	75	352743	58.50	ppb	# 98
37) 1,1,2-Trichloroethane	17.98	83	66334	19.57	ppb	98
38) 1,3-Dichloropropane	18.51	76	150621	23.26	ppb	# 86
39) Tetrachloroethylene	18.85	166	83230	9.11	ppb	# 100
40) 4-Methyl-2-Pentanone	16.28	43	75582	20.65	ppb	98
41) Dibromochloromethane	19.09	129	133788	29.19	ppb	99
42) 1,2-Dibromoethane	19.52	107	103672	26.02	ppb	100
43) Chlorobenzene	20.54	112	193239	20.28	ppb	# 86
44) Ethyl Benzene	20.68	91	302986	18.87	ppb	99
45) p- & m-Xylenes	20.88	91	502219	40.66	ppb	98
46) o-Xylene	21.83	91	268595	20.86	ppb	98
47) Styrene	21.86	104	379495	37.31	ppb	92
48) 1,1,1,2-Tetrachloroethane	20.60	131	100190	27.76	ppb	90
50) Bromoform	22.49	173	85217	19.41	ppb	# 100
52) 1,1,2,2-Tetrachloroethane	22.84	83	81423	24.54	ppb	# 100
53) 1,2,3-Trichloropropane	23.17	110	33161m	40.94	ppb	
54) Isopropylbenzene	22.63	105	257180	24.00	ppb	# 99
55) 1,2-Dibromo-3-Chloropropan	28.07	75	14285	46.24	ppb	# 59
56) Bromobenzene	23.52	77	172149	27.76	ppb	# 75
57) n-Propylbenzene	23.52	91	277083	21.19	ppb	100
58) 2-Chlorotoluene	23.86	91	253100m	26.10	ppb	
59) 4-Chlorotoluene	23.97	91	232988m	26.66	ppb	
60) tert-Butylbenzene	24.63	119	220771	29.28	ppb	# 98
61) 1,3,5-trimethylbenzene	23.86	105	220484	26.02	ppb	97
62) 1,2,4-trimethylbenzene	24.71	105	234539	27.39	ppb	97
63) sec-Butylbenzene	25.10	105	194309m	23.38	ppb	
64) 1,3-Dichlorobenzene	25.54	146	125076m	18.57	ppb	
65) 1,4-Dichlorobenzene	25.75	146	136590m	19.51	ppb	
66) 1,2-Dichlorobenzene	26.52	146	118334	19.54	ppb	# 99
67) p-Isopropyltoluene	25.39	119	174665	26.38	ppb	# 98
68) n-Butylbenzene	26.26	91	140410	23.29	ppb	99
69) 1,2,4-Trichlorobenzene	30.07	180	35910	20.37	ppb	98
70) Naphthalene	30.61	128	65615	40.51	ppb	# 97
71) Hexachloro-1,3-Butadiene	30.47	225	17938	80.27	ppb	# 78
72) 1,2,3-Trichlorobenzene	31.26	182	21799	23.75	ppb	# 48

Quantitative Report

Data File : C:\HPCHEM\1\DATA\VO3870.D
Acq On : 25 Apr 2001 7:35 pm
Sample : 20ppb VOA CALIBRATION STD WATER
Misc : QBV1042501A
MS Integration Params: rteint.p
Quant Time: Apr 26 7:42 19101

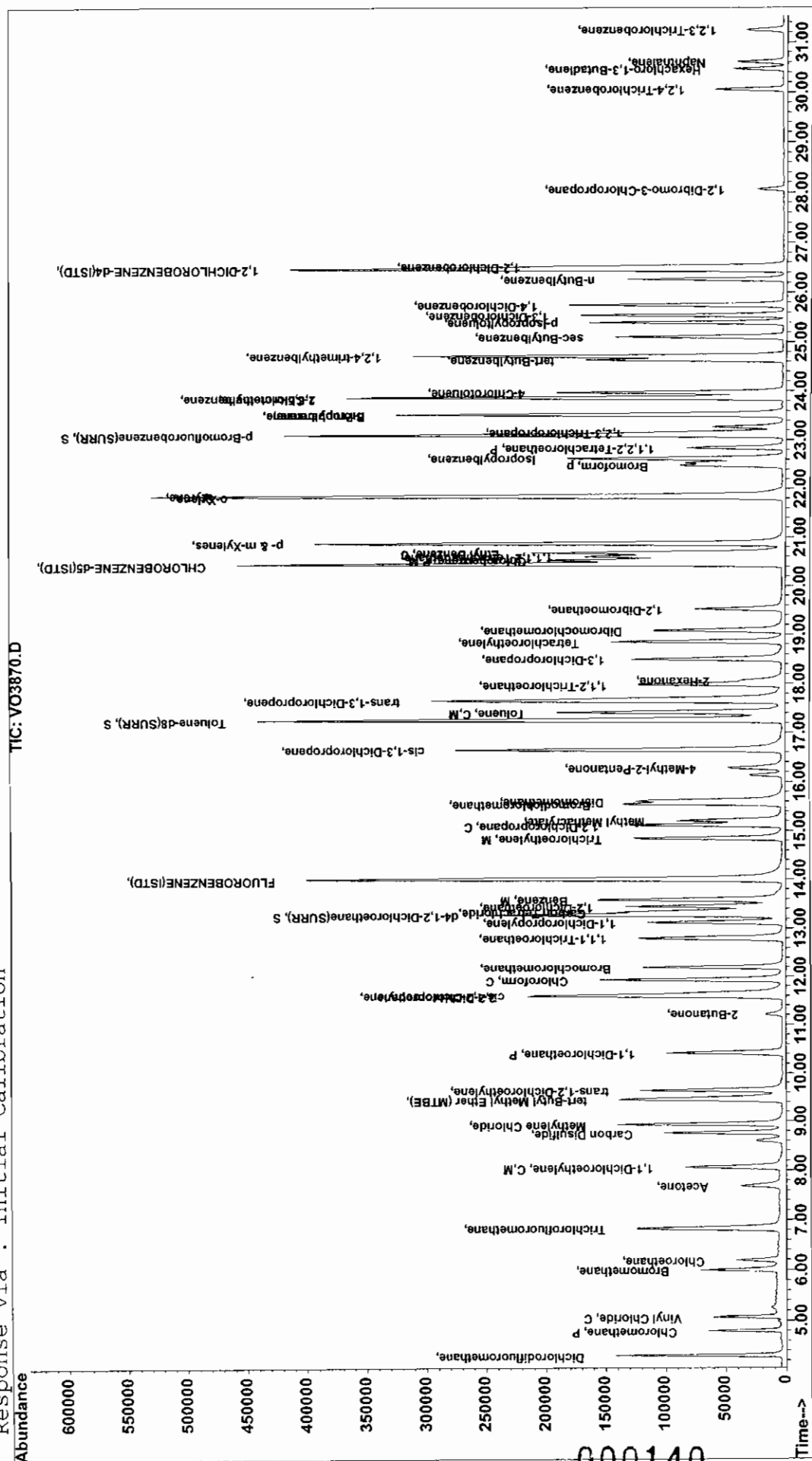
Vial: 9
Operator: BB
Inst : VOA No.1
Multiplr: 1.00

Quant Results File: V1C60W.RES

```

Method      : C:\HPCHEM\1\METHODS\VLC61W.M (RTE Integrator)
Title       : VOCs BY GC/MS 8240/8260
Last Update : Thu Apr 26 07:45:13 2001
Response via : Initial Calibration

```



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\VO3871.D
 Acq On : 25 Apr 2001 8:16 pm
 Sample : 50ppb VOA CALIBRATION STD WATER
 Misc : QBV1042501A
 MS Integration Params: rteint.p
 Quant Time: Apr 26 7:42 19101

Vial: 10
 Operator: BB
 Inst : VOA No.1
 Multiplr: 1.00

Quant Results File: V1C60W.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C60W.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Wed Apr 18 08:12:40 2001
 Response via : Initial Calibration
 DataAcq Meth : V1C60W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) FLUOROBENZENE (ISTD)	13.99	70	185087m	50.00	ppb	-0.18
26) CHLOROBENZENE-d5 (ISTD)	20.44	117	486053m	50.00	ppb	-0.16
49) 1,2-DICHLORO BENZENE-d4 (ISTD)	26.45	152	209020	50.00	ppb	-0.16

System Monitoring Compounds

22) d4-1,2-Dichloroethane (SURR)	13.27	65	431029m	84.99	ppb	-0.16
Spiked Amount	50.000	Range	64 - 122	Recovery	=	169.98%#
34) Toluene-d8 (SURR)	17.25	98	563223	44.50	ppb	-0.16
Spiked Amount	50.000	Range	83 - 114	Recovery	=	89.00%
51) p-Bromofluorobenzene (SURR)	23.10	174	220274	38.18	ppb	-0.15
Spiked Amount	50.000	Range	71 - 126	Recovery	=	76.36%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	4.29	85	559015m	104.23	ppb	
3) Chloromethane	4.79	50	183853m	36.17	ppb	
4) Vinyl Chloride	5.07	62	259573m	114.74	ppb	
5) Bromomethane	6.00	94	188503m	41.97	ppb	
6) Chloroethane	6.19	64	113159m	41.53	ppb	
7) Trichlorofluoromethane	6.82	101	644370m	112.81	ppb	
8) 1,1-Dichloroethylene	8.06	61	389279	79.91	ppb	#
9) trans-1,2-Dichloroethylene	9.64	61	410023	54.85	ppb	
10) Carbon Disulfide	8.76	76	108614	40.31	ppb	
11) Methylene Chloride	8.93	49	348434	40.98	ppb	
12) tert-Butyl Methyl Ether (M	9.45	73	910483	62.44	ppb	#
13) Acetone	7.69	43	162527	95.01	ppb	#
14) 1,1-Dichloroethane	10.42	63	514586	53.13	ppb	
15) cis-1,2-Dichloroethylene	11.61	96	248522	40.93	ppb	#
16) 2-Butanone	11.21	72	17789	39.71	ppb	
17) 2,2-Dichloropropane	11.59	77	470435	91.61	ppb	
18) Bromochloromethane	12.19	49	223652	45.49	ppb	#
19) Chloroform	11.93	83	666647	67.35	ppb	
20) 1,1,1-Trichloroethane	12.79	97	578973	80.29	ppb	
21) 1,1-Dichloropropylene	13.12	75	364499	56.14	ppb	
23) Carbon Tetrachloride	13.33	117	517234	94.77	ppb	
24) 1,2-Dichloroethane	13.45	62	648299	89.61	ppb	#
25) Benzene	13.58	78	745762m	38.65	ppb	
27) Trichloroethylene	14.85	95	262779m	51.35	ppb	
28) Dibromomethane	15.61	93	239632	56.36	ppb	#
29) Methyl Methacrylate	15.20	69	155297	48.19	ppb	
30) Bromodichloromethane	15.54	83	523362	69.76	ppb	
31) 1,2-Dichloropropane	15.12	63	215728	40.94	ppb	#

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\VO3871.D
 Acq On : 25 Apr 2001 8:16 pm
 Sample : 50ppb VOA CALIBRATION STD WATER
 Misc : QBV1042501A
 MS Integration Params: rteint.p
 Quant Time: Apr 26 7:42 19101

Vial: 10
 Operator: BB
 Inst : VOA No.1
 Multiplr: 1.00

Quant Results File: V1C60W.RES

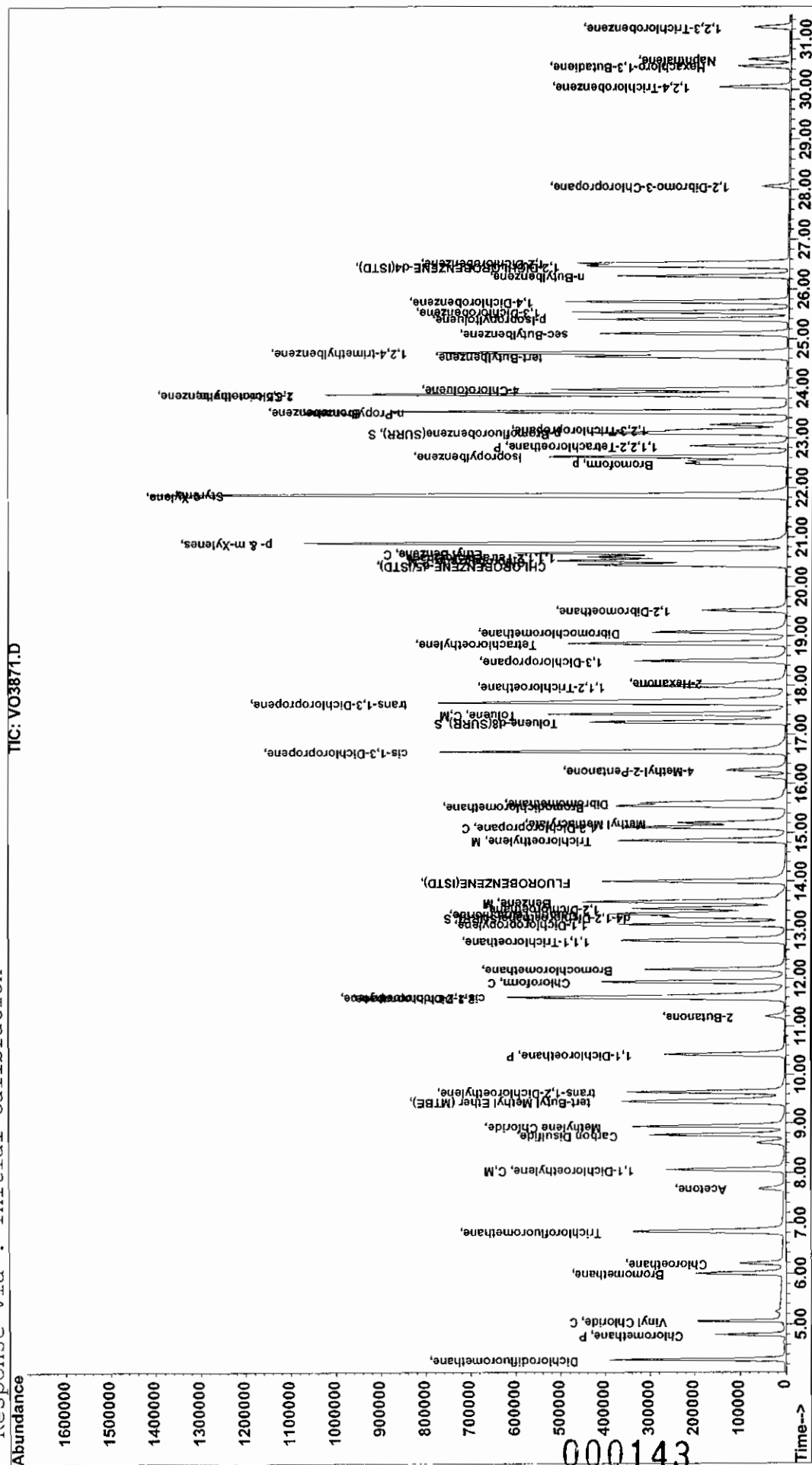
Quant Method : C:\HPCHEM\1\METHODS\V1C60W.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Wed Apr 18 08:12:40 2001
 Response via : Initial Calibration
 DataAcq Meth : V1C60W

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
32) cis-1,3-Dichloropropene	16.64	75	868078	110.42	ppb	
33) 2-Hexanone	18.06	43	133362	51.56	ppb	
35) Toluene	17.41	91	742437	41.54	ppb	
36) trans-1,3-Dichloropropene	17.64	75	920495	137.83	ppb	#
37) 1,1,2-Trichloroethane	17.98	83	174314	46.43	ppb	
38) 1,3-Dichloropropane	18.49	76	389499	54.30	ppb	#
39) Tetrachloroethylene	18.85	166	266691	26.35	ppb	#
40) 4-Methyl-2-Pentanone	16.27	43	198568	48.98	ppb	
41) Dibromochloromethane	19.07	129	353059	69.55	ppb	
42) 1,2-Dibromoethane	19.52	107	270354	61.26	ppb	
43) Chlorobenzene	20.52	112	518152	49.11	ppb	#
44) Ethyl Benzene	20.68	91	873048	49.08	ppb	
45) p- & m-Xylenes	20.88	91	1395727m	102.03	ppb	
46) o-Xylene	21.83	91	738521	51.78	ppb	
47) Styrene	21.86	104	1000197	88.79	ppb	
48) 1,1,1,2-Tetrachloroethane	20.60	131	267211	66.86	ppb	#
50) Bromoform	22.49	173	224946	49.32	ppb	# 100
52) 1,1,2,2-Tetrachloroethane	22.84	83	207340	60.15	ppb	# 99
53) 1,2,3-Trichloropropane	23.17	110	85434m	101.53	ppb	
54) Isopropylbenzene	22.63	105	740229	66.49	ppb	# 99
55) 1,2-Dibromo-3-Chloropropan	28.07	75	37375	116.47	ppb	# 61
56) Bromobenzene	23.52	77	453279	70.37	ppb	# 75
57) n-Propylbenzene	23.50	91	780338	57.44	ppb	100
58) 2-Chlorotoluene	23.86	91	703583m	69.84	ppb	
59) 4-Chlorotoluene	23.97	91	636457m	70.11	ppb	
60) tert-Butylbenzene	24.63	119	586969	74.95	ppb	# 99
61) 1,3,5-trimethylbenzene	23.86	105	627190	71.25	ppb	96
62) 1,2,4-trimethylbenzene	24.71	105	645298	72.54	ppb	97
63) sec-Butylbenzene	25.10	105	563321m	65.25	ppb	
64) 1,3-Dichlorobenzene	25.54	146	334052m	47.75	ppb	
65) 1,4-Dichlorobenzene	25.74	146	360276	49.54	ppb	# 98
66) 1,2-Dichlorobenzene	26.52	146	317763	50.51	ppb	# 99
67) p-Isopropyltoluene	25.39	119	502376	73.03	ppb	# 98
68) n-Butylbenzene	26.26	91	403176	64.38	ppb	99
69) 1,2,4-Trichlorobenzene	30.06	180	98209	53.62	ppb	100
70) Naphthalene	30.60	128	153913	91.48	ppb	# 97
71) Hexachloro-1,3-Butadiene	30.47	225	48594	209.31	ppb	# 77
72) 1,2,3-Trichlorobenzene	31.24	182	53048	55.63	ppb	# 48

Quantitative Report

Data File : C:\HPCHEM\1\DATA\VO3871.D
 Acq On : 25 Apr 2001 8:16 pm
 Sample : 50ppb VOA CALIBRATION STD WATER
 Misc : QBV1042501A
 MS Integration Params: rteint.p
 Quant Time: Apr 26 7:42 19101
 Quant Results File: VIC60W.RES

Method : C:\HPCHEM\1\METHODS\VIC61W.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Thu Apr 26 07:45:13 2001
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\VO3872.D
 Acq On : 25 Apr 2001 8:56 pm
 Sample : 100ppb VOA CALIBRATION STD WATER
 Misc : QBV1042501A
 MS Integration Params: rteint.p
 Quant Time: Apr 26 7:36 19101

Vial: 11
 Operator: BB
 Inst : VOA No.1
 Multiplr: 1.00

Quant Results File: V1C60W.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C60W.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Wed Apr 18 08:12:40 2001
 Response via : Initial Calibration
 DataAcq Meth : V1C60W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.00	70	177254	50.00	ppb	-0.18
26) CHLOROBENZENE-d5(ISTD)	20.44	117	441768	50.00	ppb	-0.16
49) 1,2-DICHLOROBENZENE-d4(ISTD)	26.46	152	207566	50.00	ppb	-0.16

System Monitoring Compounds

22) d4-1,2-Dichloroethane(SURR)	13.27	65	422794	87.05	ppb	-0.16
Spiked Amount	50.000	Range	64 - 122	Recovery	=	174.10%#
34) Toluene-d8(SURR)	17.25	98	533356	46.36	ppb	-0.16
Spiked Amount	50.000	Range	83 - 114	Recovery	=	92.72%
51) p-Bromofluorobenzene(SURR)	23.10	174	219572	38.32	ppb	-0.15
Spiked Amount	50.000	Range	71 - 126	Recovery	=	76.64%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	4.29	85	1046367	203.72	ppb	100
3) Chloromethane	4.79	50	370783	76.17	ppb	100
4) Vinyl Chloride	5.05	62	464146	214.24	ppb	100
5) Bromomethane	6.00	94	347149	80.71	ppb	100
6) Chloroethane	6.19	64	219556	84.14	ppb	99
7) Trichlorofluoromethane	6.82	101	1217909	222.63	ppb	100
8) 1,1-Dichloroethylene	8.06	61	788781	169.07	ppb	# 76
9) trans-1,2-Dichloroethylene	9.64	61	793350	110.82	ppb	93
10) Carbon Disulfide	8.76	76	211068	81.80	ppb	99
11) Methylene Chloride	8.93	49	642887	78.96	ppb	97
12) tert-Butyl Methyl Ether (M	9.45	73	1750246	125.33	ppb	# 100
13) Acetone	7.68	43	239579	146.25	ppb	# 89
14) 1,1-Dichloroethane	10.42	63	998650	107.66	ppb	100
15) cis-1,2-Dichloroethylene	11.61	96	463358	79.68	ppb	# 100
16) 2-Butanone	11.21	72	38066	88.72	ppb	83
17) 2,2-Dichloropropane	11.59	77	948003	192.76	ppb	100
18) Bromochloromethane	12.19	49	429862	91.29	ppb	# 100
19) Chloroform	11.93	83	1302219	137.38	ppb	100
20) 1,1,1-Trichloroethane	12.79	97	1188833	172.16	ppb	# 99
21) 1,1-Dichloropropylene	13.13	75	737328	118.58	ppb	98
23) Carbon Tetrachloride	13.34	117	1067061	204.16	ppb	99
24) 1,2-Dichloroethane	13.45	62	1270107	183.32	ppb	# 99
25) Benzene	13.58	78	1396099	75.54	ppb	100
27) Trichloroethylene	14.83	95	518594	111.49	ppb	96
28) Dibromomethane	15.61	93	468023	121.11	ppb	# 74
29) Methyl Methacrylate	15.20	69	302603	103.31	ppb	99
30) Bromodichloromethane	15.54	83	1053850	154.55	ppb	99
31) 1,2-Dichloropropane	15.11	63	417539	87.19	ppb	# 83

(#) = qualifier out of range (m) = manual integration
 VO3872.D V1C61W.M Thu Apr 26 07:45:51 2001

000144

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\VO3872.D
 Acq On : 25 Apr 2001 8:56 pm
 Sample : 100ppb VOA CALIBRATION STD WATER
 Misc : QBV1042501A
 MS Integration Params: rteint.p
 Quant Time: Apr 26 7:36 19101

Vial: 11
 Operator: BB
 Inst : VOA No.1
 Multiplr: 1.00

Quant Results File: V1C60W.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C60W.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Wed Apr 18 08:12:40 2001
 Response via : Initial Calibration
 DataAcq Meth : V1C60W

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
32) cis-1,3-Dichloropropene	16.64	75	1681534	235.34	ppb	99
33) 2-Hexanone	18.04	43	276260	117.52	ppb	96
35) Toluene	17.41	91	1385874	85.31	ppb	99
36) trans-1,3-Dichloropropene	17.64	75	1808316	297.92	ppb #	98
37) 1,1,2-Trichloroethane	17.98	83	344226	100.88	ppb	99
38) 1,3-Dichloropropane	18.49	76	769147	117.97	ppb #	100
39) Tetrachloroethylene	18.85	166	494032	53.71	ppb #	100
40) 4-Methyl-2-Pentanone	16.27	43	401968	109.09	ppb	99
41) Dibromochloromethane	19.07	129	719086	155.86	ppb	100
42) 1,2-Dibromoethane	19.52	107	527695	131.56	ppb	99
43) Chlorobenzene	20.52	112	981455	102.35	ppb #	100
44) Ethyl Benzene	20.69	91	1702619	105.32	ppb	99
45) p- & m-Xylenes	20.88	91	2774268m	223.14	ppb	
46) o-Xylene	21.81	91	1426460	110.05	ppb	97
47) Styrene	21.85	104	1874468	183.08	ppb	91
48) 1,1,1,2-Tetrachloroethane	20.60	131	529718	145.83	ppb #	87
50) Bromoform	22.47	173	451064	99.59	ppb #	100
52) 1,1,2,2-Tetrachloroethane	22.84	83	417784	122.06	ppb #	100
53) 1,2,3-Trichloropropane	23.15	110	169888m	203.32	ppb	
54) Isopropylbenzene	22.62	105	1504154	136.05	ppb #	99
55) 1,2-Dibromo-3-Chloropropan	28.05	75	78776	247.20	ppb #	61
56) Bromobenzene	23.52	77	878505	137.33	ppb #	75
57) n-Propylbenzene	23.51	91	1553841	115.18	ppb	100
58) 2-Chlorotoluene	23.86	91	1331426m	133.10	ppb	
59) 4-Chlorotoluene	23.97	91	1289475m	143.05	ppb	
60) tert-Butylbenzene	24.63	119	1216734	156.45	ppb #	98
61) 1,3,5-trimethylbenzene	23.86	105	1244002	142.31	ppb	96
62) 1,2,4-trimethylbenzene	24.71	105	1278469	144.72	ppb	97
63) sec-Butylbenzene	25.10	105	1129139m	131.70	ppb	
64) 1,3-Dichlorobenzene	25.54	146	671217m	96.61	ppb	
65) 1,4-Dichlorobenzene	25.75	146	700668	97.02	ppb #	99
66) 1,2-Dichlorobenzene	26.52	146	636110	101.83	ppb #	98
67) p-Isopropyltoluene	25.39	119	1028923	150.61	ppb #	98
68) n-Butylbenzene	26.26	91	822256	132.22	ppb	99
69) 1,2,4-Trichlorobenzene	30.05	180	213809	117.55	ppb	98
70) Naphthalene	30.60	128	352397	210.91	ppb #	97
71) Hexachloro-1,3-Butadiene	30.47	225	90653	393.21	ppb #	75
72) 1,2,3-Trichlorobenzene	31.24	182	121193	127.99	ppb #	48

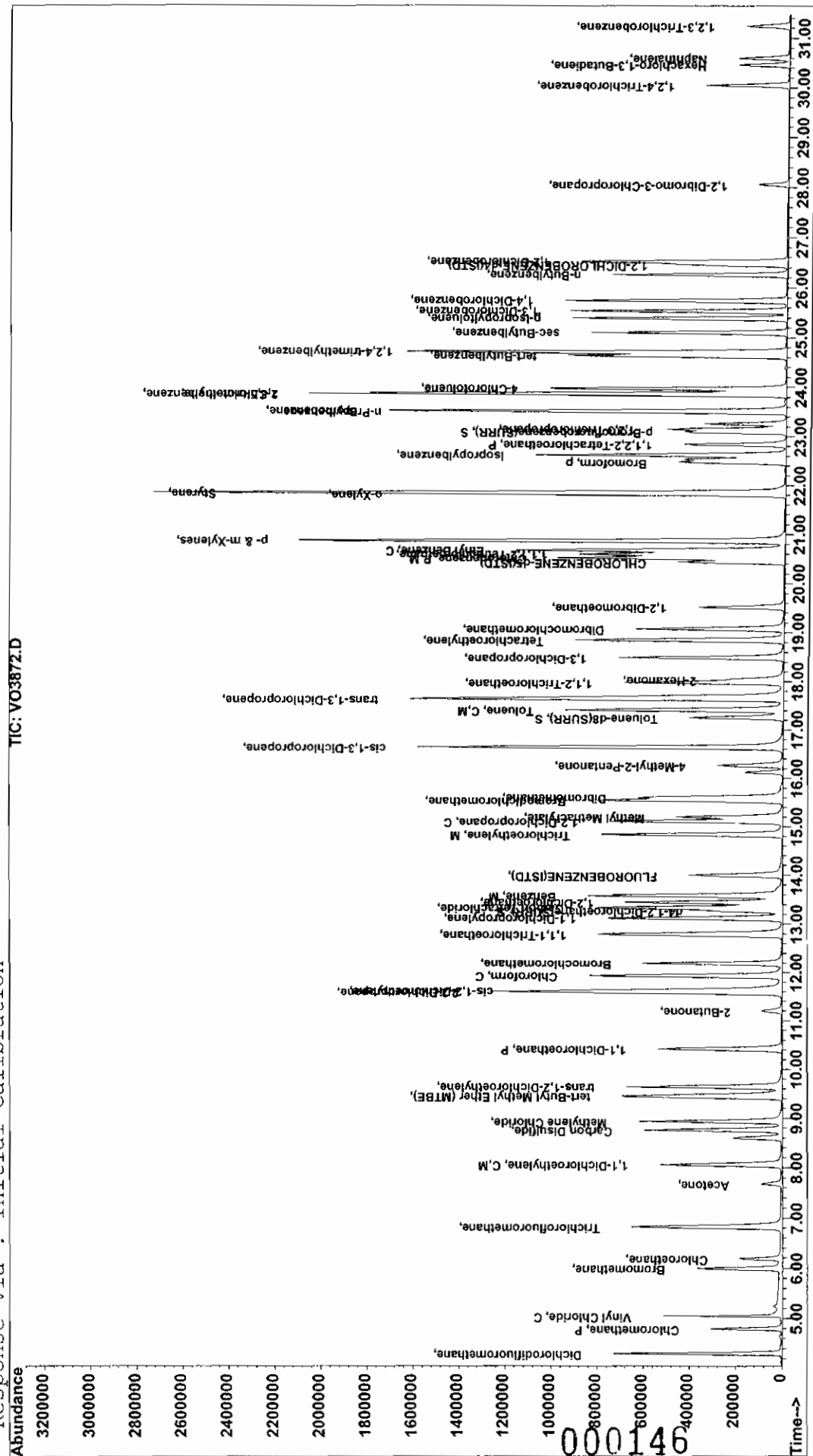
Quantitative report

Data File : C:\HPCHEM\1\DATA\VO3872.D
Acq On : 25 Apr 2001 8:56 pm
Sample : 100ppb VOA CALIBRATION STD WATER
Misc : QBV1042501A
MS Integration Params: rteint.p
Quant Time: Apr 26 7:36 19101
Vial: 11
Operator: BB
Inst : VOA No.1
Multiplr: 1.00
Quant Results File: V1C60W.RES

```

: C:\HPCHEM\1\METHODS\V1C61W.M (RTE Integrator)
: VOCs BY GC/MS 8240/8260
: Thu Apr 26 07:45:13 2001
: Initial Calibration

```



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\VO3873.D
 Acq On : 25 Apr 2001 9:35 pm
 Sample : 150ppb VOA CALIBRATION STD WATER
 Misc : QBV1042501A
 MS Integration Params: rteint.p
 Quant Time: Apr 26 7:38 19101

Vial: 12
 Operator: BB
 Inst : VOA No.1
 Multiplr: 1.00

Quant Results File: V1C60W.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C60W.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Wed Apr 18 08:12:40 2001
 Response via : Initial Calibration
 DataAcq Meth : V1C60W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.00	70	175397m	50.00	ppb	-0.18
26) CHLOROBENZENE-d5(ISTD)	20.44	117	468837m	50.00	ppb	-0.16
49) 1,2-DICHLOROBENZENE-d4(IST	26.46	152	214916	50.00	ppb	-0.16

System Monitoring Compounds

22) d4-1,2-Dichloroethane(SURR	13.27	65	412578m	85.84	ppb	-0.16
Spiked Amount	50.000	Range	64 - 122	Recovery	=	171.68%#
34) Toluene-d8(SURR)	17.25	98	523843	42.91	ppb	-0.16
Spiked Amount	50.000	Range	83 - 114	Recovery	=	85.82%
51) p-Bromofluorobenzene(SURR)	23.10	174	225100	37.94	ppb	-0.15
Spiked Amount	50.000	Range	71 - 126	Recovery	=	75.88%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	4.29	85	1426956m	280.77	ppb	
3) Chloromethane	4.79	50	522567m	108.49	ppb	
4) Vinyl Chloride	5.05	62	653568m	304.87	ppb	
5) Bromomethane	6.00	94	549276m	129.05	ppb	
6) Chloroethane	6.19	64	330189m	127.87	ppb	
7) Trichlorofluoromethane	6.82	101	1809013m	334.19	ppb	
8) 1,1-Dichloroethylene	8.06	61	1178290m	255.24	ppb	
9) trans-1,2-Dichloroethylene	9.64	61	1201815	169.65	ppb	
10) Carbon Disulfide	8.76	76	310745	121.70	ppb	
11) Methylene Chloride	8.93	49	945344	117.33	ppb	
12) tert-Butyl Methyl Ether (M	9.43	73	2586116m	187.15	ppb	
13) Acetone	7.68	43	313879m	193.63	ppb	
14) 1,1-Dichloroethane	10.42	63	1501309	163.56	ppb	
15) cis-1,2-Dichloroethylene	11.61	96	663692	115.34	ppb	#
16) 2-Butanone	11.21	72	54033	127.27	ppb	
17) 2,2-Dichloropropane	11.59	77	1346483	276.68	ppb	
18) Bromochloromethane	12.19	49	634605	136.20	ppb	#
19) Chloroform	11.93	83	1965839	209.59	ppb	
20) 1,1,1-Trichloroethane	12.79	97	1756568m	257.07	ppb	
21) 1,1-Dichloropropylene	13.13	75	1094521	177.88	ppb	
23) Carbon Tetrachloride	13.33	117	1589403	307.32	ppb	
24) 1,2-Dichloroethane	13.45	62	1899045	277.01	ppb	#
25) Benzene	13.59	78	2082220	113.86	ppb	
27) Trichloroethylene	14.83	95	768311	155.64	ppb	
28) Dibromomethane	15.61	93	703418	171.52	ppb	#
29) Methyl Methacrylate	15.20	69	433950	139.60	ppb	
30) Bromodichloromethane	15.54	83	1557014	215.15	ppb	
31) 1,2-Dichloropropane	15.11	63	611589	120.33	ppb	#

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\VO3873.D
 Acq On : 25 Apr 2001 9:35 pm
 Sample : 150ppb VOA CALIBRATION STD WATER
 Misc : QBV1042501A
 MS Integration Params: rteint.p
 Quant Time: Apr 26 7:38 19101

Vial: 12
 Operator: BB
 Inst : VOA No.1
 Multiplr: 1.00

Quant Results File: V1C60W.RES

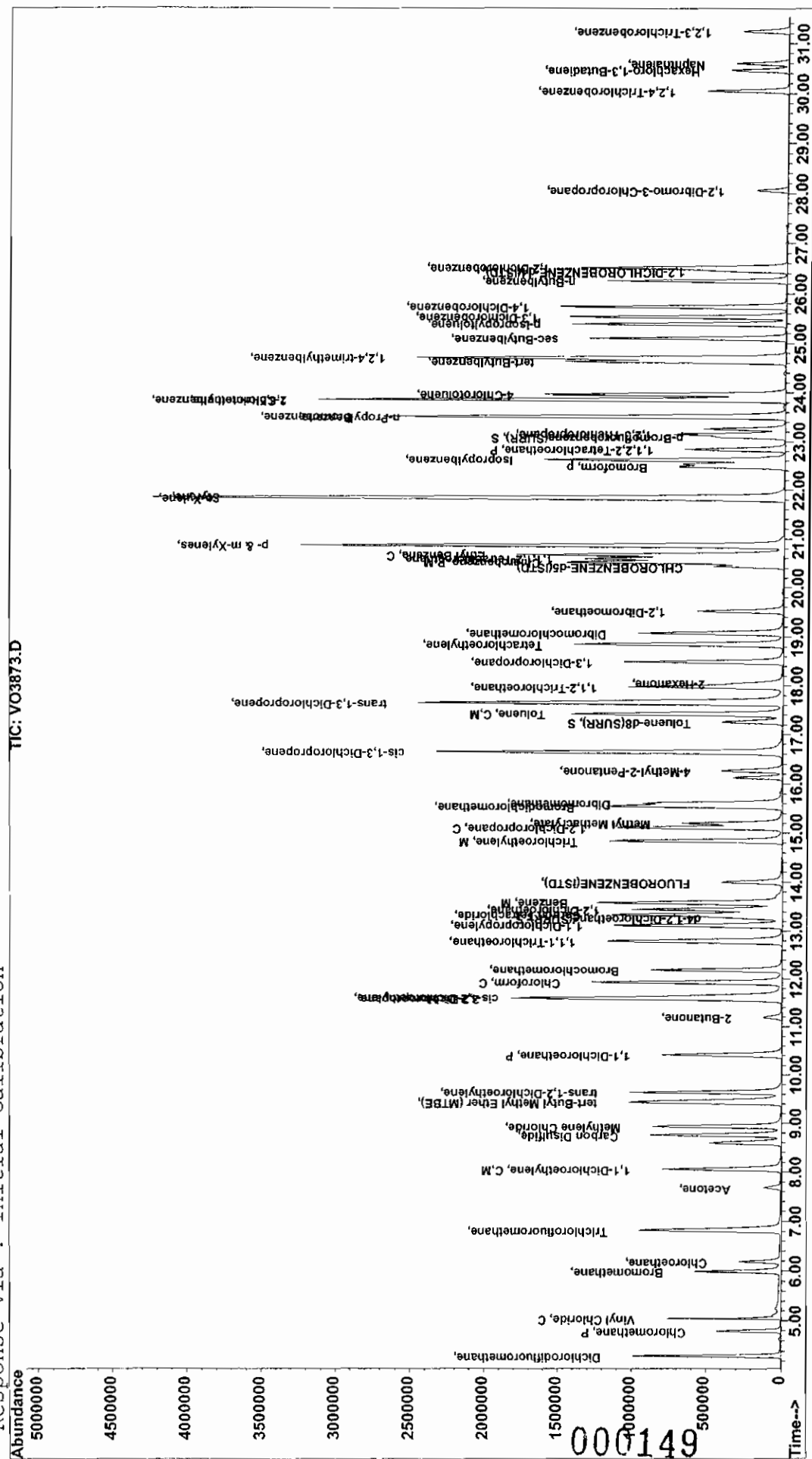
Quant Method : C:\HPCHEM\1\METHODS\V1C60W.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Wed Apr 18 08:12:40 2001
 Response via : Initial Calibration
 DataAcq Meth : V1C60W

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
32) cis-1,3-Dichloropropene	16.64	75	2441587	321.98	ppb	
33) 2-Hexanone	18.06	43	391216	156.81	ppb	
35) Toluene	17.43	91	2052473	119.05	ppb	
36) trans-1,3-Dichloropropene	17.64	75	2697435	418.75	ppb	#
37) 1,1,2-Trichloroethane	17.98	83	510073	140.86	ppb	
38) 1,3-Dichloropropane	18.49	76	1136565	164.26	ppb	#
39) Tetrachloroethylene	18.85	166	766612	78.53	ppb	#
40) 4-Methyl-2-Pentanone	16.27	43	576089	147.31	ppb	
41) Dibromochloromethane	19.07	129	1080154	220.60	ppb	
42) 1,2-Dibromoethane	19.52	107	804655	189.03	ppb	
43) Chlorobenzene	20.54	112	1491272	146.53	ppb	#
44) Ethyl Benzene	20.68	91	2603214	151.73	ppb	
45) p- & m-Xylenes	20.88	91	4210784m	319.13	ppb	
46) o-Xylene	21.83	91	2316514	168.40	ppb	
47) Styrene	21.86	104	2813557	258.94	ppb	#
48) 1,1,1,2-Tetrachloroethane	20.60	131	791575	205.33	ppb	#
50) Bromoform	22.49	173	692193	147.61	ppb	# 100
52) 1,1,2,2-Tetrachloroethane	22.84	83	623227	175.85	ppb	# 99
53) 1,2,3-Trichloropropane	23.17	110	253999m	293.59	ppb	
54) Isopropylbenzene	22.64	105	2293995	200.39	ppb	# 99
55) 1,2-Dibromo-3-Chloropropan	28.07	75	121292	367.59	ppb	# 63
56) Bromobenzene	23.52	77	1339448	202.23	ppb	# 75
57) n-Propylbenzene	23.51	91	2367940	169.52	ppb	100
58) 2-Chlorotoluene	23.86	91	2126909m	205.35	ppb	
59) 4-Chlorotoluene	23.97	91	1896310m	203.17	ppb	
60) tert-Butylbenzene	24.63	119	1859665	230.94	ppb	# 98
61) 1,3,5-trimethylbenzene	23.86	105	1931290	213.38	ppb	96
62) 1,2,4-trimethylbenzene	24.71	105	1974428	215.86	ppb	97
63) sec-Butylbenzene	25.10	105	1767683m	199.12	ppb	
64) 1,3-Dichlorobenzene	25.54	146	1045522m	145.34	ppb	
65) 1,4-Dichlorobenzene	25.75	146	1073360	143.54	ppb	# 99
66) 1,2-Dichlorobenzene	26.52	146	964132	149.06	ppb	# 99
67) p-Isopropyltoluene	25.39	119	1597724	225.88	ppb	# 98
68) n-Butylbenzene	26.26	91	1285997	199.71	ppb	99
69) 1,2,4-Trichlorobenzene	30.05	180	330706	175.60	ppb	100
70) Naphthalene	30.60	128	555223	320.94	ppb	# 97
71) Hexachloro-1,3-Butadiene	30.47	225	160308	671.55	ppb	# 77
72) 1,2,3-Trichlorobenzene	31.24	182	192253	196.09	ppb	# 48

Quantitative Report

Data File : C:\HPCHEM\1\DATA\VO3873.D
 Acq On : 25 Apr 2001 9:35 pm
 Sample : 150ppb VOA CALIBRATION STD WATER
 Misc : QBV1042501A
 MS Integration Params: rteint.p
 Quant Time: Apr 26 7:38 19101
 Quant Results File: VIC60W.RES

Method : C:\HPCHEM\1\METHODS\VIC61W.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Thu Apr 26 07:45:13 2001
 Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\VO3874.D
 Acq On : 25 Apr 2001 10:16 pm
 Sample : 200ppb VOA CALIBRATION STD WATER
 Misc : QBV1042501A
 MS Integration Params: rteint.p
 Quant Time: Apr 26 7:39 19101

Vial: 13
 Operator: BB
 Inst : VOA No.1
 Multiplr: 1.00

Quant Results File: V1C60W.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C60W.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Wed Apr 18 08:12:40 2001
 Response via : Initial Calibration
 DataAcq Meth : V1C60W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE (ISTD)	13.99	70	188489m	50.00	ppb	-0.18
26) CHLOROBENZENE-d5 (ISTD)	20.44	117	502932m	50.00	ppb	-0.17
49) 1,2-DICHLOROBENZENE-d4 (ISTD)	26.47	152	221289	50.00	ppb	-0.15

System Monitoring Compounds

22) d4-1,2-Dichloroethane (SURR)	13.26	65	434339m	84.09	ppb	-0.17
Spiked Amount	50.000	Range	64 - 122	Recovery	=	168.18%#
34) Toluene-d8 (SURR)	17.25	98	575598	43.95	ppb	-0.17
Spiked Amount	50.000	Range	83 - 114	Recovery	=	87.90%
51) p-Bromofluorobenzene (SURR)	23.10	174	228527	37.41	ppb	-0.15
Spiked Amount	50.000	Range	71 - 126	Recovery	=	74.82%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	4.29	85	1826934m	334.50	ppb	
3) Chloromethane	4.79	50	627933m	121.31	ppb	
4) Vinyl Chloride	5.04	62	858201m	372.52	ppb	
5) Bromomethane	6.00	94	799145m	174.71	ppb	
6) Chloroethane	6.19	64	444115m	160.05	ppb	
7) Trichlorofluoromethane	6.83	101	2470253	424.65	ppb	
8) 1,1-Dichloroethylene	8.06	61	1639014	330.38	ppb	#
9) trans-1,2-Dichloroethylene	9.64	61	1647129	216.36	ppb	
10) Carbon Disulfide	8.75	76	424031	154.54	ppb	
11) Methylene Chloride	8.93	49	1280153	147.85	ppb	
12) tert-Butyl Methyl Ether (M)	9.44	73	3590411	241.78	ppb	#
13) Acetone	7.67	43	405825m	232.96	ppb	
14) 1,1-Dichloroethane	10.41	63	2042693	207.09	ppb	
15) cis-1,2-Dichloroethylene	11.60	96	896296	144.94	ppb	#
16) 2-Butanone	11.20	72	79428	174.09	ppb	
17) 2,2-Dichloropropane	11.59	77	1819286	347.87	ppb	
18) Bromochloromethane	12.19	49	868614	173.48	ppb	#
19) Chloroform	11.93	83	2695284	267.40	ppb	
20) 1,1,1-Trichloroethane	12.80	97	2410271	328.23	ppb	#
21) 1,1-Dichloropropylene	13.12	75	1493398	225.85	ppb	
23) Carbon Tetrachloride	13.33	117	2175151	391.37	ppb	
24) 1,2-Dichloroethane	13.44	62	2617475	355.28	ppb	#
25) Benzene	13.59	78	2839125	144.47	ppb	
27) Trichloroethylene	14.84	95	1062617	200.67	ppb	
28) Dibromomethane	15.60	93	948460	215.59	ppb	#
29) Methyl Methacrylate	15.20	69	621818	186.48	ppb	
30) Bromodichloromethane	15.55	83	2141994	275.92	ppb	#
31) 1,2-Dichloropropane	15.12	63	834789	153.12	ppb	#

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

VO3874.D V1C61W.M Thu Apr 26 07:46:06 2001

000150 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\VO3874.D
 Acq On : 25 Apr 2001 10:16 pm
 Sample : 200ppb VOA CALIBRATION STD WATER
 Misc : QBV1042501A
 MS Integration Params: rteint.p
 Quant Time: Apr 26 7:39 19101

Vial: 13
 Operator: BB
 Inst : VOA No.1
 Multiplr: 1.00

Quant Results File: V1C60W.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C60W.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Wed Apr 18 08:12:40 2001
 Response via : Initial Calibration
 DataAcq Meth : V1C60W

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
32) cis-1,3-Dichloropropene	16.65	75	3344112	411.10	ppb	
33) 2-Hexanone	18.05	43	558917	208.84	ppb	
35) Toluene	17.42	91	2865864	154.96	ppb	
36) trans-1,3-Dichloropropene	17.63	75	3735815	540.63	ppb	#
37) 1,1,2-Trichloroethane	17.99	83	697324	179.51	ppb	
38) 1,3-Dichloropropane	18.49	76	1564334	210.75	ppb	#
39) Tetrachloroethylene	18.84	166	1041344	99.44	ppb	#
40) 4-Methyl-2-Pentanone	16.26	43	816584	194.65	ppb	
41) Dibromochloromethane	19.07	129	1484987	282.72	ppb	
42) 1,2-Dibromoethane	19.52	107	1101015	241.12	ppb	
43) Chlorobenzene	20.53	112	2003701	183.53	ppb	#
44) Ethyl Benzene	20.68	91	3517211	191.10	ppb	
45) p- & m-Xylenes	20.87	91	5597714m	395.48	ppb	
46) o-Xylene	21.82	91	2936472	198.99	ppb	
47) Styrene	21.86	104	3730034	320.01	ppb	#
48) 1,1,1,2-Tetrachloroethane	20.60	131	1067600	258.16	ppb	#
50) Bromoform	22.48	173	946544	196.03	ppb	# 100
52) 1,1,2,2-Tetrachloroethane	22.84	83	853477	233.88	ppb	# 99
53) 1,2,3-Trichloropropane	23.16	110	349527m	392.37	ppb	
54) Isopropylbenzene	22.63	105	3049690	258.74	ppb	# 99
55) 1,2-Dibromo-3-Chloropropan	28.06	75	169414m	498.65	ppb	
56) Bromobenzene	23.52	77	1784587	261.67	ppb	# 75
57) n-Propylbenzene	23.52	91	3147531	218.85	ppb	100
58) 2-Chlorotoluene	23.85	91	2790935m	261.69	ppb	
59) 4-Chlorotoluene	23.97	91	2587435m	269.24	ppb	
60) tert-Butylbenzene	24.63	119	2462021	296.94	ppb	# 98
61) 1,3,5-trimethylbenzene	23.85	105	2502457	268.53	ppb	96
62) 1,2,4-trimethylbenzene	24.71	105	2604627	276.56	ppb	97
63) sec-Butylbenzene	25.10	105	2327314m	254.61	ppb	
64) 1,3-Dichlorobenzene	25.53	146	1375344m	185.68	ppb	
65) 1,4-Dichlorobenzene	25.74	146	1442601	187.36	ppb	# 99
66) 1,2-Dichlorobenzene	26.51	146	1283145	192.67	ppb	# 99
67) p-Isopropyltoluene	25.39	119	2089157	286.85	ppb	# 98
68) n-Butylbenzene	26.26	91	1726982	260.47	ppb	99
69) 1,2,4-Trichlorobenzene	30.06	180	474628	244.76	ppb	99
70) Naphthalene	30.59	128	788373	442.59	ppb	# 97
71) Hexachloro-1,3-Butadiene	30.46	225	223976	911.25	ppb	# 77
72) 1,2,3-Trichlorobenzene	31.24	182	277453	274.85	ppb	# 48

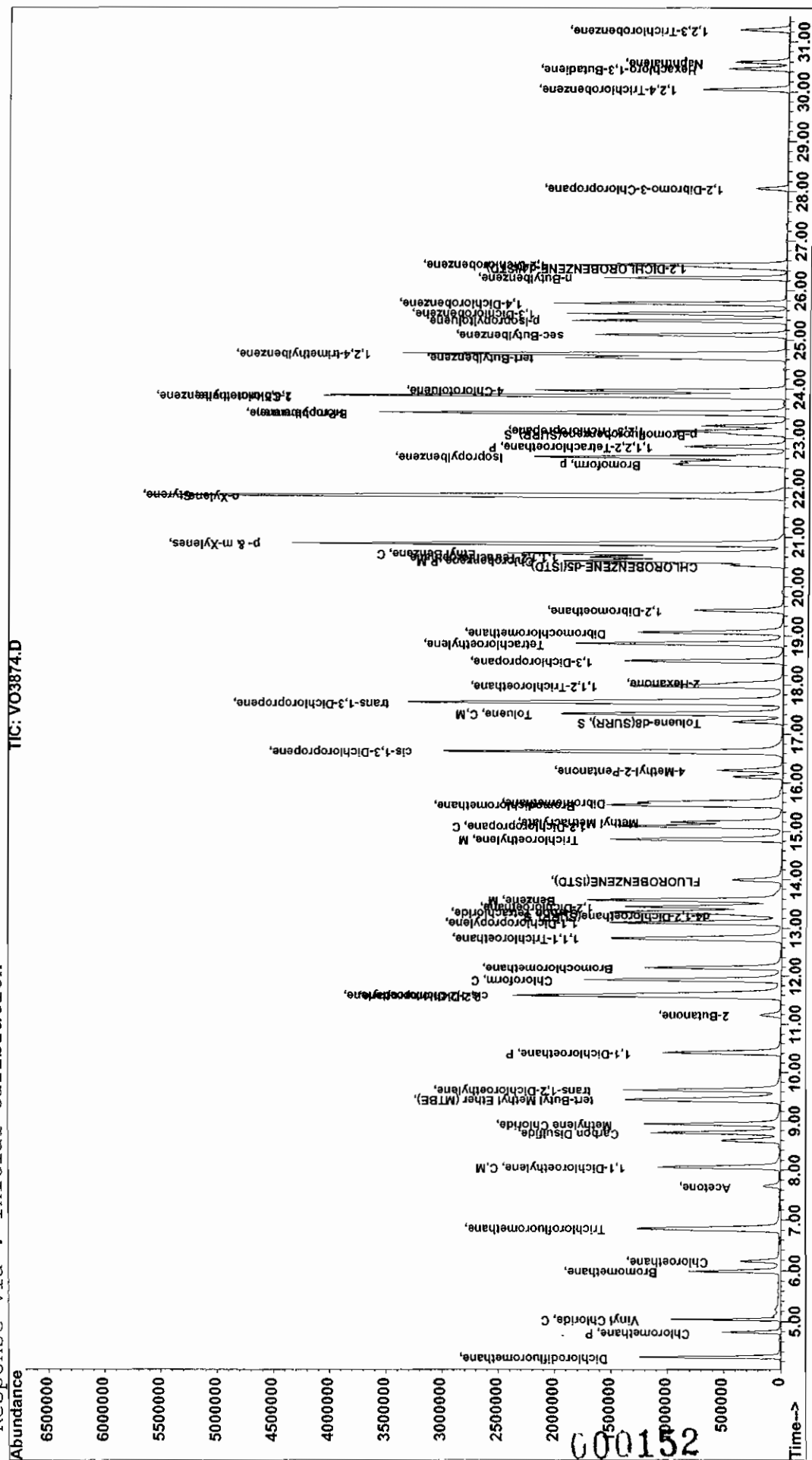
Quantitati Report

Data File : C:\HPCHEM\1\DATA\VO3874.D
Acq On : 25 Apr 2001 10:16 pm
Sample : 200ppb VOA CALIBRATION STD WATER
Misc : QBV1042501A
MMS Integration Params: rteint.p
Quant Time: Apr 26 7:39 19101
Vial: 13
Operator: BB
Inst : VOA No.1
Multiplr: 1.00
Quant Results File: V1C60W.RES

```

: C:\HPCHEM\1\METHODS\V1C61W.M (RTE Integrator)
: VOCs BY GC/MS 8240/8260
Last Update : Thu Apr 26 07:45:13 2001
Response via : Initial Calibration

```



Data File : C:\HPCHEM\1\DATA\VO3762.D

Vial: 6

Acq On : 22 Apr 2001 12:04 pm

Operator: BB

Sample : 01040168-01 RE 25x ASPB

Inst : VOA No.1

Misc : QBV1042201A

Multiplr: 25.00

MS Integration Params: rteint.p

Quant Time: Apr 22 12:36 19101

Quant Results File: V1C60W.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C60W.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Wed Apr 18 08:12:40 2001

Response via : Initial Calibration

DataAcq Meth : V1C60W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) FLUOROBENZENE (ISTD)	14.09	70	208258	50.00	ppb	-0.08
26) CHLOROBENZENE-d5 (ISTD)	20.54	117	484519	50.00	ppb	-0.07
49) 1,2-DICHLOROBENZENE-d4 (ISTD)	26.54	152	222243	50.00	ppb	-0.08

System Monitoring Compounds

22) d4-1,2-Dichloroethane (SURR)	13.37	65	242051	42.42	ppb	-0.07
Spiked Amount	50.000	Range	64 - 122	Recovery	=	84.84%
34) Toluene-d8 (SURR)	17.35	98	671800	53.24	ppb	-0.07
Spiked Amount	50.000	Range	83 - 114	Recovery	=	106.48%
51) p-Bromofluorobenzene (SURR)	23.18	174	283215	46.17	ppb	-0.07
Spiked Amount	50.000	Range	71 - 126	Recovery	=	92.34%

Target Compounds

						Qvalue
4) Vinyl Chloride	5.15	62	6173	60.63	ppb	100
8) 1,1-Dichloroethylene	8.16	61	1806	8.24	ppb	84
9) trans-1,2-Dichloroethylene	9.72	61	1435	4.27	ppb	72
11) Methylene Chloride	9.03	49	21731	56.79	ppb	97
13) Acetone	7.77	43	46977	610.18	ppb	100
14) 1,1-Dichloroethane	10.51	63	1030	2.36	ppb	86
15) cis-1,2-Dichloroethylene	11.71	96	20564	75.24	ppb	68
20) 1,1,1-Trichloroethane	12.90	97	7799	24.03	ppb	95
25) Benzene	13.67	78	1523	1.75	ppb	100
27) Trichloroethylene	14.93	95	60621	297.08	ppb	96
35) Toluene	17.51	91	4060	5.70	ppb	98
39) Tetrachloroethylene	18.94	166	294806	730.54	ppb	100
41) Dibromochloromethane	18.94	129	140803	695.64	ppb	61
43) Chlorobenzene	20.64	112	1947	4.63	ppb	86
44) Ethyl Benzene	20.78	91	1957	2.76	ppb	88
45) p- & m-Xylenes	20.96	91	1597	2.93	ppb	79
46) o-Xylene	21.91	91	1006	1.77	ppb	80
54) Isopropylbenzene	22.73	105	515	1.09	ppb	91
57) n-Propylbenzene	23.59	91	1423	2.46	ppb	93
60) tert-Butylbenzene	24.78	119	359	1.08	ppb	92
61) 1,3,5-trimethylbenzene	23.94	105	4109	10.98	ppb	94

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

Data File : C:\HPCHEM\1\DATA\VO3762.D

Vial: 6

Acq On : 22 Apr 2001 12:04 pm

Operator: BB

Sample : 01040168-01 RE 25x ASPB

Inst : VOA No.1

Misc : QBV1042201A

Multiplr: 25.00

MS Integration Params: rteint.p

Quant Time: Apr 22 12:36 19101

Quant Results File: V1C60W.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C60W.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Wed Apr 18 08:12:40 2001

Response via : Initial Calibration

DataAcq Meth : V1C60W

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
62) 1,2,4-trimethylbenzene	24.79	105	10819	28.60	ppb	# 76
63) sec-Butylbenzene	24.79	105	6478	17.64	ppb	# 94
67) p-Isopropyltoluene	25.36	119	496	1.70	ppb	# 89

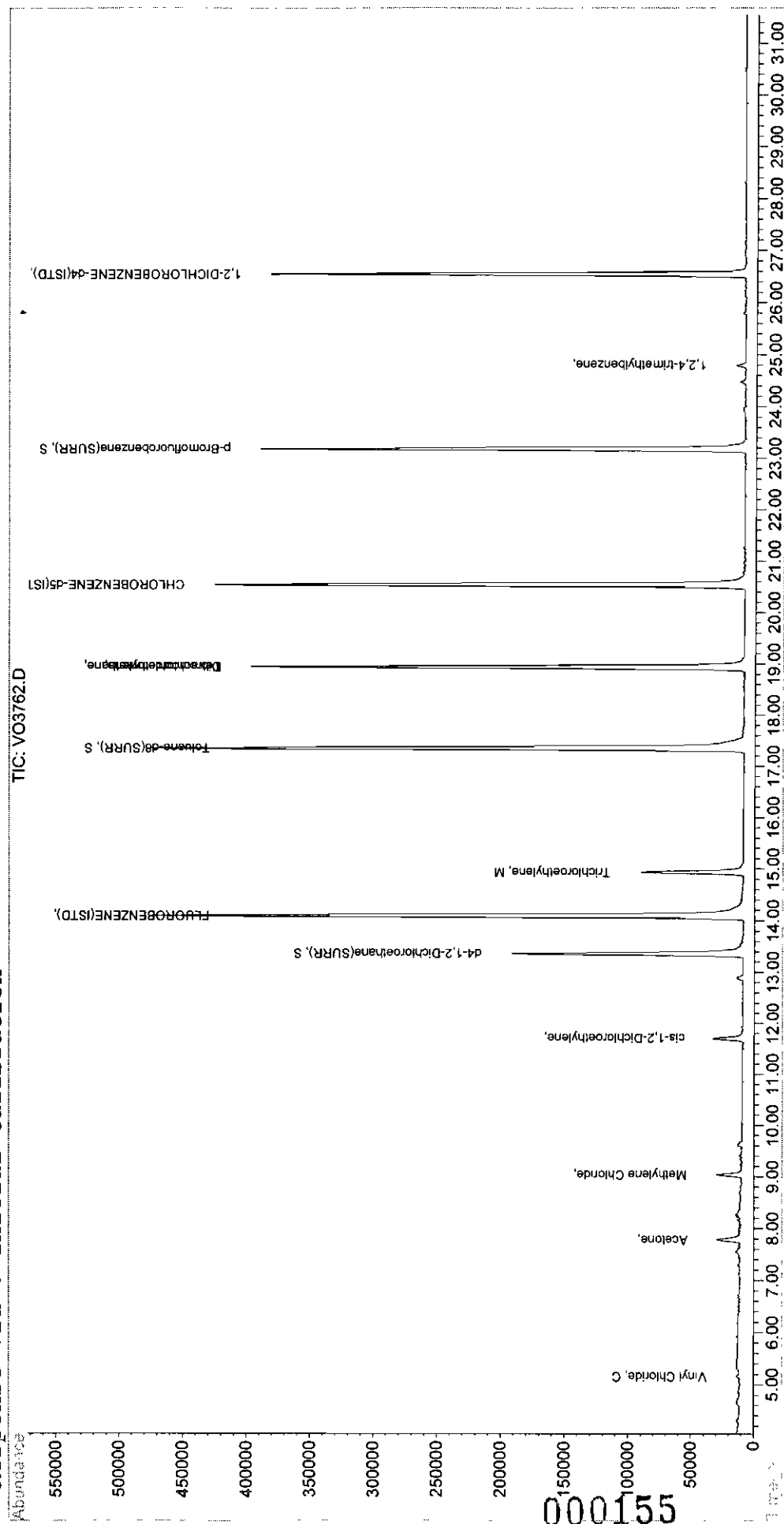
Quantitat' Report

Data File : C:\HPCHEM\1\DATA\VO3762.D
 Acq On : 22 Apr 2001 12:04 pm
 Sample : 01040168-01 RE 25x ASPB
 Misc : QBV1042201A
 MS Integration Params: rteint.p
 Quant Time: Apr 22 12:36 19101

Vial: 6
 Operator: BB
 Inst : VOA No.1
 Multiplr: 25.00

Quant Results File: V1C60W.RES

Method : C:\HPCHEM\1\METHODS\V1C60W.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Wed Apr 18 08:12:40 2001
 Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\VO3763.D
Acq On : 22 Apr 2001 12:44 pm
Sample : 01040168-02 RE 25x ASPB
Misc : QBV1042201A
MS Integration Params: rteint.p
Quant Time: Apr 22 13:15 19101

Vial: 7
Operator: BB
Inst : VOA No.1
Multiplr: 25.00

Quant Results File: V1C60W.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C60W.M (RTE Integrator)
Title : VOCs BY GC/MS 8240/8260
Last Update : Wed Apr 18 08:12:40 2001
Response via : Initial Calibration
DataAcq Meth : V1C60W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.09	70	203393	50.00	ppb	-0.08
26) CHLOROBENZENE-d5(ISTD)	20.54	117	479862	50.00	ppb	-0.06
49) 1,2-DICHLOROBENZENE-d4(IST	26.54	152	216282	50.00	ppb	-0.08

System Monitoring Compounds

22) d4-1,2-Dichloroethane(SURR	13.37	65	242902	43.58	ppb	-0.06
Spiked Amount	50.000	Range	64 - 122	Recovery	=	87.16%
34) Toluene-d8(SURR)	17.35	98	670642	53.67	ppb	-0.06
Spiked Amount	50.000	Range	83 - 114	Recovery	=	107.34%
51) p-Bromofluorobenzene(SURR)	23.18	174	280865	47.05	ppb	-0.06
Spiked Amount	50.000	Range	71 - 126	Recovery	=	94.10%

Target Compounds

						Qvalue
③ Chloromethane	4.87	50	3733	16.71	ppb	99
④ Vinyl Chloride	5.15	62	9116	91.68	ppb	92 99
5) Bromomethane	6.08	94	3846	~~19.48~~	ppb	92
⑥ Chloroethane	6.29	64	2157	18.01	ppb	# 87
⑧ 1,1-Dichloroethylene	8.16	61	3856	18.01	ppb	185 98
⑨ trans-1,2-Dichloroethylene	9.74	61	6890	20.97	ppb	98
10) Carbon Disulfide	8.85	76	1389	11.73	ppb	# 85
11) Methylene Chloride	9.03	49	23411	~~62.64~~	ppb	96
⑫ tert-Butyl Methyl Ether (M	9.58	73	2366	3.69	ppb	# 100
13) Acetone	7.79	43	42746	~~568.51~~	ppb	99
⑭ 1,1-Dichloroethane	10.51	63	9616	22.59	ppb	235 97
⑮ cis-1,2-Dichloroethylene	11.71	96	23271	87.19	ppb	# 98
17) 2,2-Dichloropropane	11.69	77	3175	~~14.07~~	ppb	# 90
18) Bromochloromethane	12.29	49	2188	~~10.12~~	ppb	# 100
⑰ Chloroform	12.03	83	6294	14.47	ppb	96
⑱ 1,1,1-Trichloroethane	12.90	97	9500	29.97	ppb	# 95
21) 1,1-Dichloropropylene	13.24	75	2498	~~8.75~~	ppb	# 81
23) Carbon Tetrachloride	13.45	117	1402	5.84	ppb	# 89
⑳ 1,2-Dichloroethane	13.54	62	1792	5.64	ppb	# 91
⑲ Benzene	13.67	78	15962	18.82	ppb	100
⑳ Trichloroethylene	14.93	95	59004	291.96	ppb	290 95

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

Data File : C:\HPCHEM\1\DATA\VO3763.D
Acq On : 22 Apr 2001 12:44 pm
Sample : 01040168-02 RE 25x ASPB
Misc : QBV1042201A
MS Integration Params: rteint.p
Quant Time: Apr 22 13:15 19101

Vial: 7
Operator: BB
Inst : VOA No.1
Multiplr: 25.00

Quant Results File: V1C60W.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C60W.M (RTE Integrator)
Title : VOCs BY GC/MS 8240/8260
Last Update : Wed Apr 18 08:12:40 2001
Response via : Initial Calibration
DataAcq Meth : V1C60W

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
28) Dibromomethane	15.70	93	286	~~1.70~~ ppb	# 63
30) Bromodichloromethane	15.64	83	3402	~~11.48~~ ppb	# 96
31) 1,2-Dichloropropane	15.22	63	3418	~~16.43~~ ppb	# 73
32) cis-1,3-Dichloropropene	16.74	75	6852	~~22.07~~ ppb	# 93
(35) Toluene	17.51	91	14471	20.50 ppb	215 100
36) trans-1,3-Dichloropropene	17.74	75	3314	~~12.57~~ ppb	# 88
37) 1,1,2-Trichloroethane	18.07	83	246	~~1.66~~ ppb	# 78
38) 1,3-Dichloropropane	18.59	76	1099	~~3.88~~ ppb	# 96
(39) Tetrachloroethylene	18.94	166	268546	- 671.93 ppb	# 670 100
41) Dibromochloromethane	19.19	129	1521	~~7.59~~ ppb	# 61
(43) Chlorobenzene	20.64	112	6822	16.37 ppb	# 165 86
(44) Ethyl Benzene	20.78	91	13377	19.04 ppb	195 98
(45) p- & m-Xylenes	20.96	91	18623	34.47 ppb	355 98
(46) o-Xylene	21.91	91	9248	16.42 ppb	165 98
47) Styrene	21.94	104	9626	21.64 ppb	98
48) 1,1,1,2-Tetrachloroethane	20.70	131	1153	~~7.31~~ ppb	# 43
(54) Isopropylbenzene	22.72	105	6781	14.72 ppb	# 155 91
56) Bromobenzene	23.62	77	3980	~~14.93~~ ppb	# 86
(57) n-Propylbenzene	23.60	91	10338	18.39 ppb	# 85 97
58) 2-Chlorotoluene	24.05	91	4795	~~11.50~~ ppb	# 89
59) 4-Chlorotoluene	24.05	91	6786	~~18.06~~ ppb	# 88
(60) tert-Butylbenzene	24.78	119	2820	8.70 ppb	# 95 92
(61) 1,3,5-trimethylbenzene	23.94	105	8710	23.91 ppb	# 245 95
(62) 1,2,4-trimethylbenzene	24.79	105	15869	43.10 ppb	435 97
(63) sec-Butylbenzene	25.18	105	4619	135 12.93 ppb	# 94
64) 1,3-Dichlorobenzene	25.63	146	4159	~~14.36~~ ppb	# 64
65) 1,4-Dichlorobenzene	25.84	146	4190	~~13.92~~ ppb	# 67
66) 1,2-Dichlorobenzene	26.60	146	3148	~~12.09~~ ppb	# 96
(67) p-Isopropyltoluene	25.47	119	3582	12.58 ppb	# 135 95
(68) n-Butylbenzene	26.33	91	4480	175 17.28 ppb	# 90
(69) 1,2,4-Trichlorobenzene	30.15	180	1003	135 13.23 ppb	# 89

Quantitation Report

Data File : C:\HPCHEM\1\DATA\VO3763.D
 Acq On : 22 Apr 2001 12:44 pm
 Sample : 01040168-02 RE 25x ASPB
 Misc : QBV1042201A

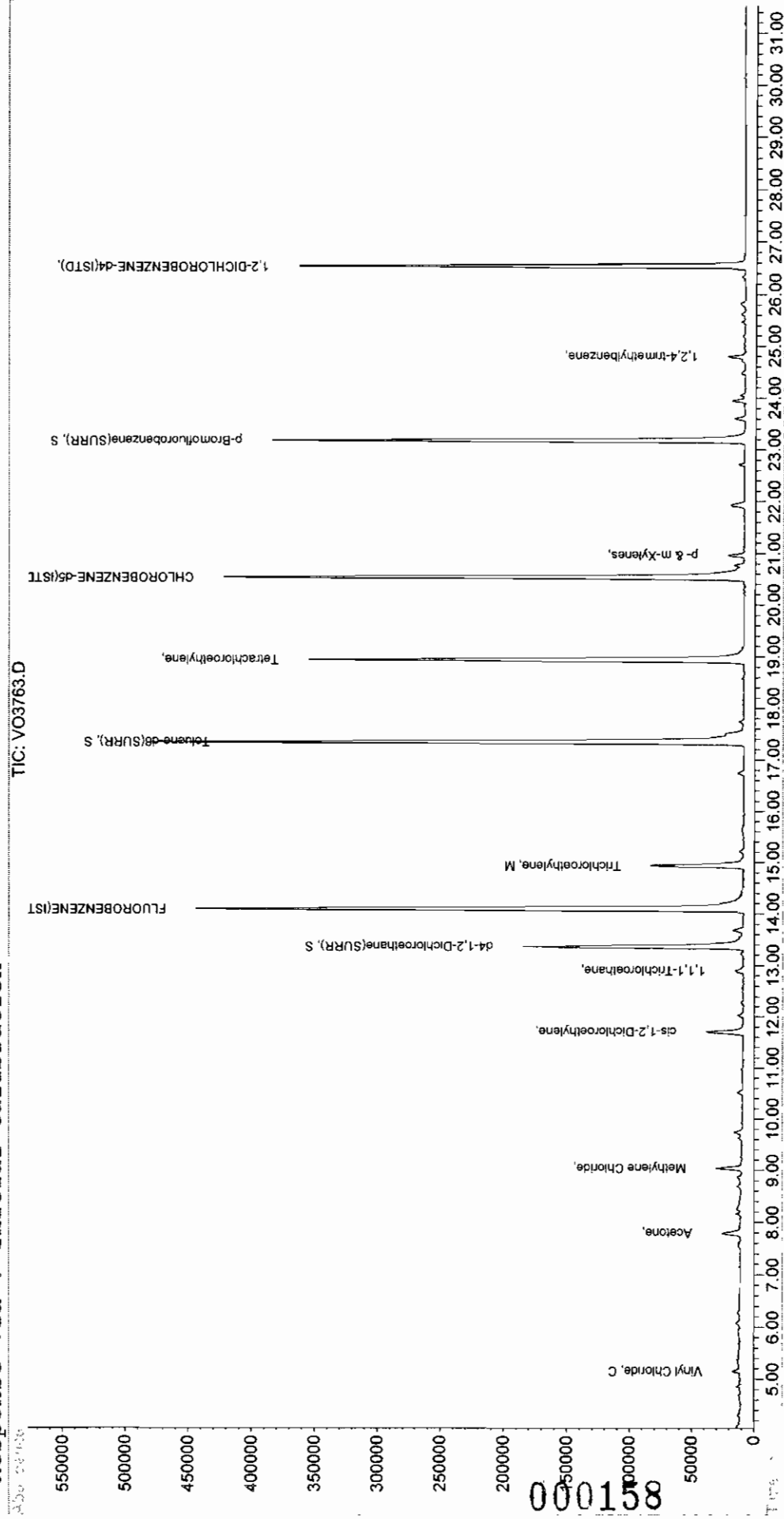
Vial: 7
 Operator: BB
 Inst : VOA No.1
 Multiplr: 25.00

MS Integration Params: reint.p

Quant Time: Apr 22 13:15 19101

Quant Results File: VIC60W.RES

Method : C:\HPCHEM\1\METHODS\VIC60W.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Wed Apr 18 08:12:40 2001
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\VO3762.D
 Acq On : 22 Apr 2001 12:04 pm
 Sample : 01040168-01 RE 25x ASPB
 Misc : QBV1042201A
 MS Integration Params: rteint.p
 Quant Time: Aug 15 9:13 19101

Vial: 6
 Operator: BB
 Inst : VOA No.1
 Multiplr: 25.00

Quant Results File: V1C60W.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C60W.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Wed Apr 18 08:12:40 2001
 Response via : Initial Calibration
 DataAcq Meth : V1C60W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.09	70	208258	50.00	ppb	-0.08
26) CHLOROBENZENE-d5(ISTD)	20.54	117	484519	50.00	ppb	-0.07
49) 1,2-DICHLOROBENZENE-d4(IST)	26.54	152	222243	50.00	ppb	-0.08

System Monitoring Compounds

22) d4-1,2-Dichloroethane(SURR)	13.37	65	242051	42.42	ppb	-0.07
Spiked Amount	50.000	Range	64 - 122	Recovery	=	84.84%
34) Toluene-d8(SURR)	17.35	98	671800	53.24	ppb	-0.07
Spiked Amount	50.000	Range	83 - 114	Recovery	=	106.48%
51) p-Bromofluorobenzene(SURR)	23.18	174	283215	46.17	ppb	-0.07
Spiked Amount	50.000	Range	71 - 126	Recovery	=	92.34%

Target Compounds

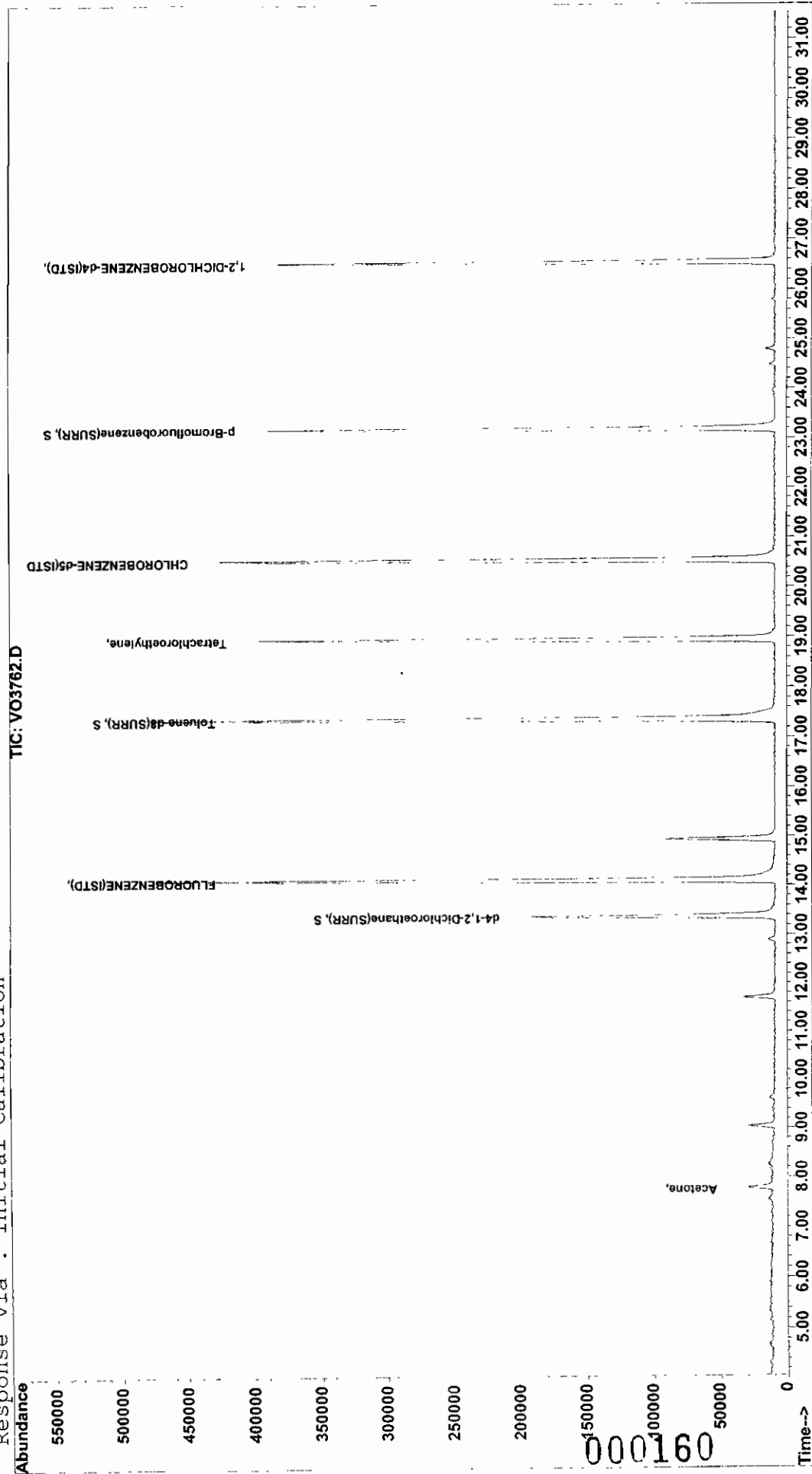
						Qvalue
4) Vinyl Chloride	5.15	62	6173	60.63	ppb	100
11) Methylene Chloride	9.03	49	21731	56.79	ppb	97
13) Acetone	7.77	43	46977	610.18	ppb	100
15) cis-1,2-Dichloroethylene	11.71	96	20564	75.24	ppb	# 68
20) 1,1,1-Trichloroethane	12.90	97	7799	24.03	ppb	# 95
27) Trichloroethylene	14.93	95	60621	297.08	ppb	96
39) Tetrachloroethylene	18.94	166	294806	730.54	ppb	# 100
62) 1,2,4-trimethylbenzene	24.79	105	10819	28.60	ppb	# 76

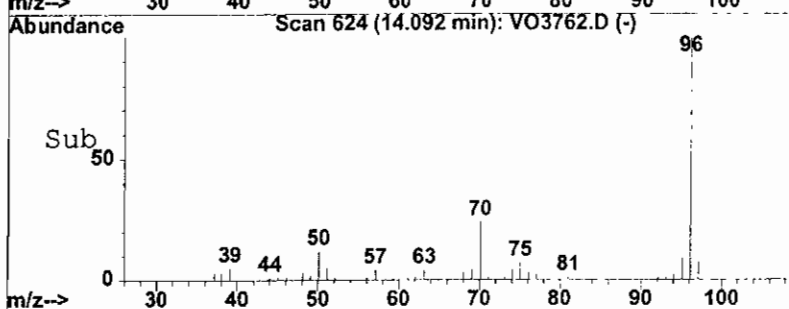
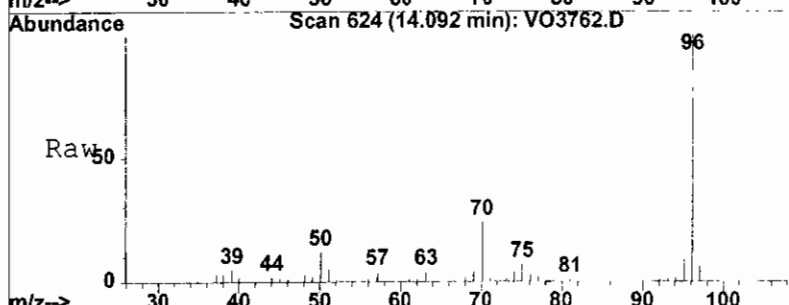
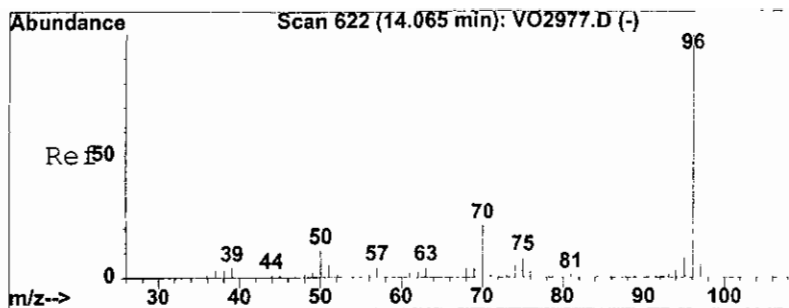
Data File : C:\HPCHEM\1\DATA\VO3762.D
 Acq On : 22 Apr 2001 12:04 pm
 Sample : 01040168-01 RE 25x ASPB
 Misc : QBV1042201A
 MS Integration Params: rteint.p
 Quant Time: Aug 15 9:13 19101

Vial: 6
 Operator: BB
 Inst : VOA No.1
 Multiplr: 25.00

Quant Results File: V1C60W.RES

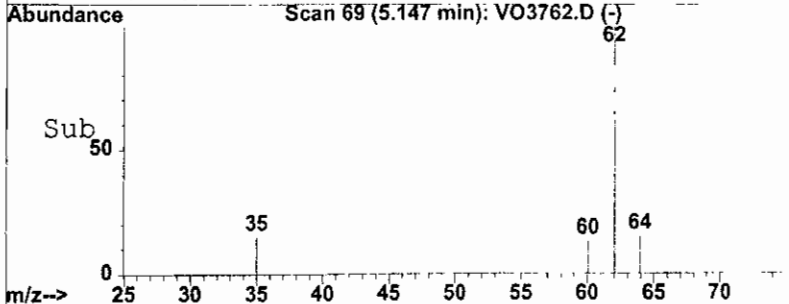
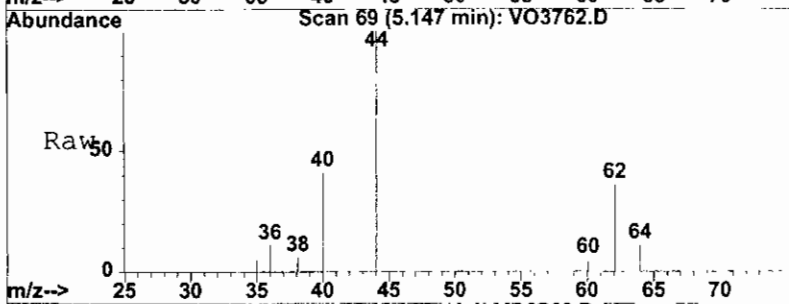
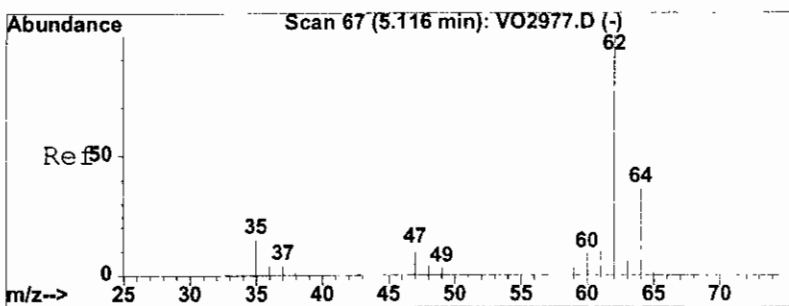
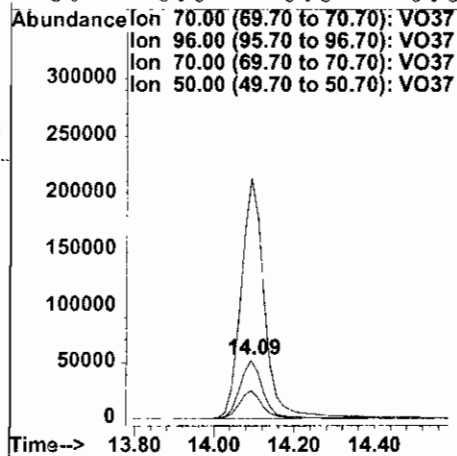
Method : C:\HPCHEM\1\METHODS\V1C58S.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Wed Apr 18 07:10:16 2001
 Response via : Initial Calibration





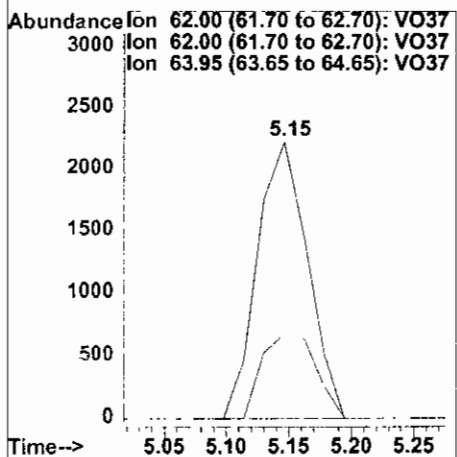
#1
 FLUOROBENZENE (ISTD)
 Concen: 50.00 ppb
 RT: 14.09 min Scan# 624
 Delta R.T. -0.08 min
 Lab File: VO3762.D
 Acq: 22 Apr 2001 12:04 pm

Tgt Ion: 70 Resp: 208258
 Ion Ratio Lower Upper
 70 100
 96 420.8 352.9 529.3
 70 100.0 80.0 120.0
 50 0.0 0.0 0.0

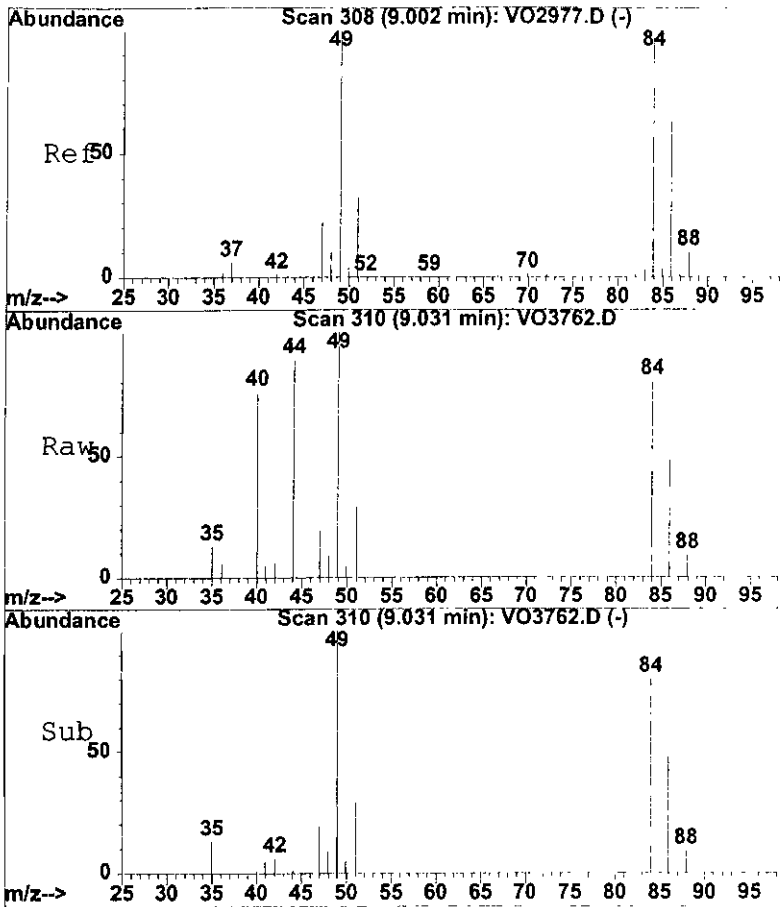


#4
 Vinyl Chloride
 Concen: 60.63 ppb
 RT: 5.15 min Scan# 69
 Delta R.T. -0.05 min
 Lab File: VO3762.D
 Acq: 22 Apr 2001 12:04 pm

Tgt Ion: 62 Resp: 6173
 Ion Ratio Lower Upper
 62 100
 62 100.0 80.0 120.0
 64 32.8 25.4 38.0



000161



#11
Methylene Chloride
Concen: 56.79 ppb
RT: 9.03 min Scan# 310
Delta R.T. -0.07 min
Lab File: VO3762.D
Acq: 22 Apr 2001 12:04 pm

Tgt Ion:	49	Resp:	21731
Ion	Ratio	Lower	Upper
49	100		
49	100.0	80.0	120.0
84	78.6	62.1	93.1
86	44.4	40.9	61.3

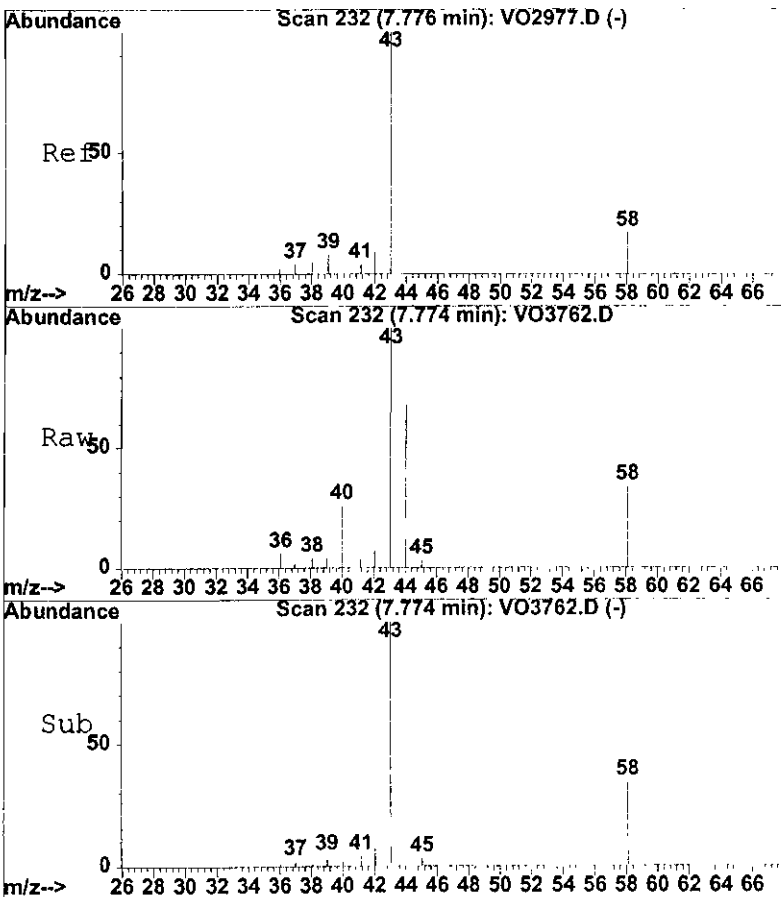
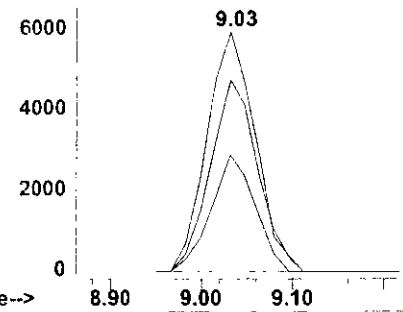
Abundance

Ion 48.95 (48.65 to 49.65): VO37

Ion 48.95 (48.65 to 49.65): VO37

Ion 83.95 (83.65 to 84.65): VO37

Ion 85.90 (85.60 to 86.60): VO37



#13
Acetone
Concen: 610.18 ppb
RT: 7.77 min Scan# 232
Delta R.T. -0.07 min
Lab File: VO3762.D
Acq: 22 Apr 2001 12:04 pm

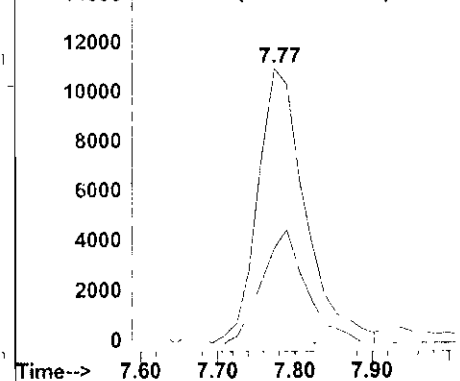
Tgt Ion:	43	Resp:	46977
Ion	Ratio	Lower	Upper
43	100		
43	100.0	80.0	120.0
58	37.9	29.5	44.3

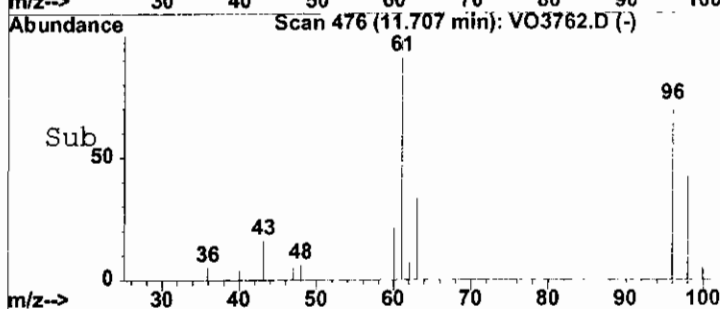
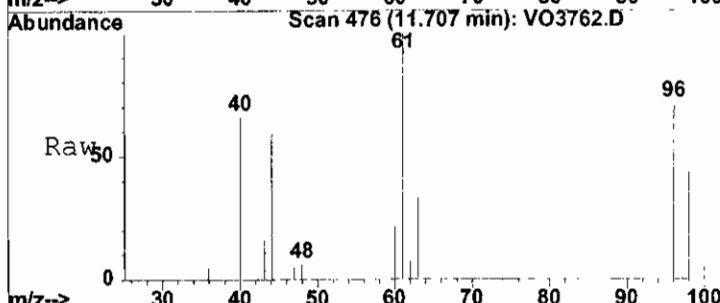
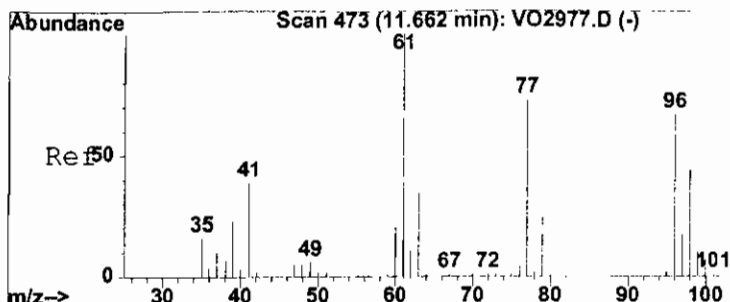
Abundance

Ion 43.00 (42.70 to 43.70): VO37

Ion 43.00 (42.70 to 43.70): VO37

Ion 58.00 (57.70 to 58.70): VO37

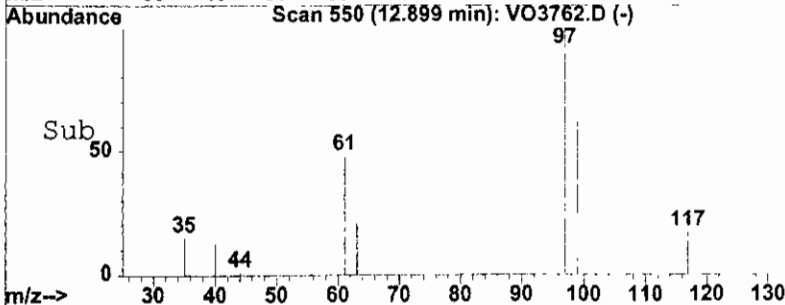
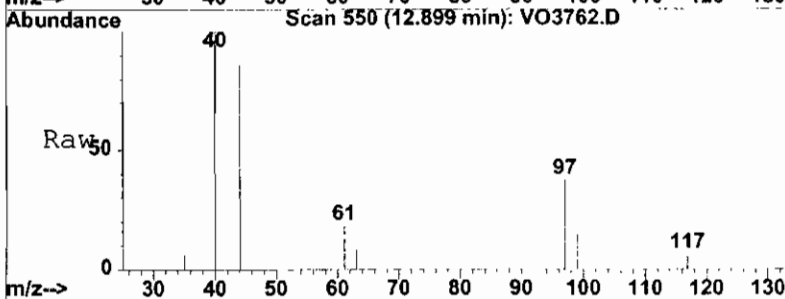
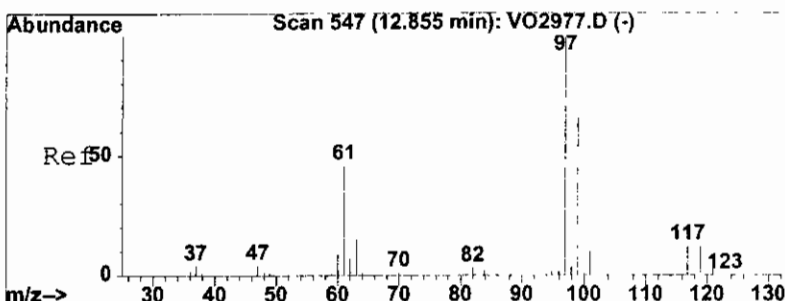
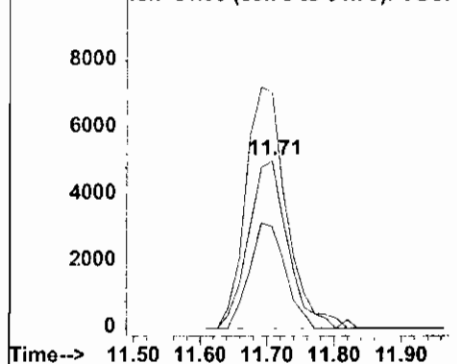




#15
 cis-1,2-Dichloroethylene
 Concen: 75.24 ppb
 RT: 11.71 min Scan# 476
 Delta R.T. -0.07 min
 Lab File: VO3762.D
 Acq: 22 Apr 2001 12:04 pm

Tgt Ion: 96 Resp: 20564
 Ion Ratio Lower Upper
 96 100
 96 100.0 80.0 120.0
 98 0.0 51.7 77.5#
 61 0.0 0.0 0.0

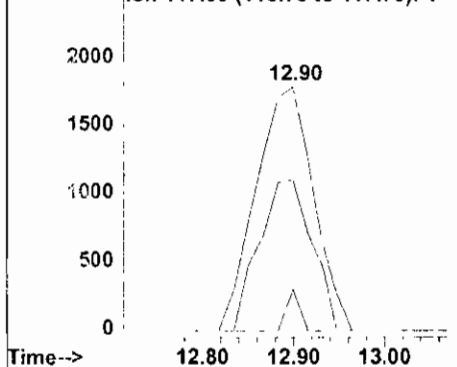
Abundance Ion 95.95 (95.65 to 96.65): VO37
 Ion 95.95 (95.65 to 96.65): VO37
 Ion 97.95 (97.65 to 98.65): VO37
 Ion 61.00 (60.70 to 61.70): VO37

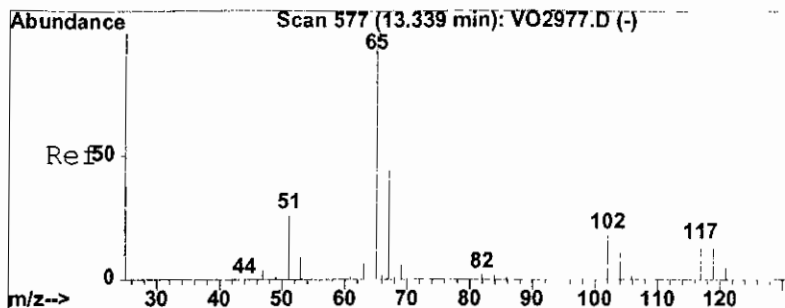


#20
 1,1,1-Trichloroethane
 Concen: 24.03 ppb
 RT: 12.90 min Scan# 550
 Delta R.T. -0.07 min
 Lab File: VO3762.D
 Acq: 22 Apr 2001 12:04 pm

Tgt Ion: 97 Resp: 7799
 Ion Ratio Lower Upper
 97 100
 97 100.0 80.0 120.0
 99 56.5 51.0 76.4
 117 3.7 10.4 15.6#

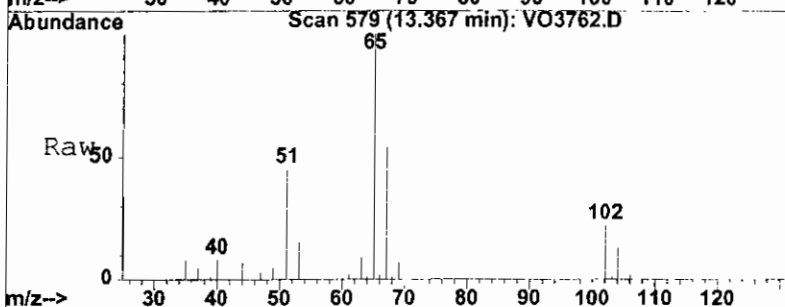
Abundance Ion 96.95 (96.65 to 97.65): VO37
 Ion 96.95 (96.65 to 97.65): VO37
 Ion 98.90 (98.60 to 99.60): VO37
 Ion 117.00 (116.70 to 117.70): V



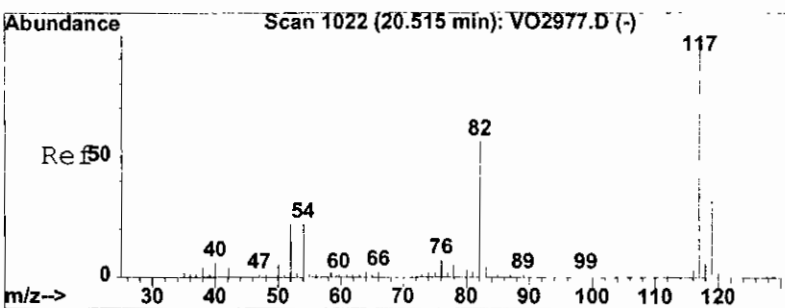
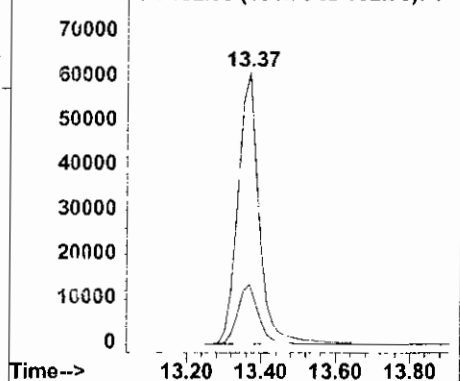
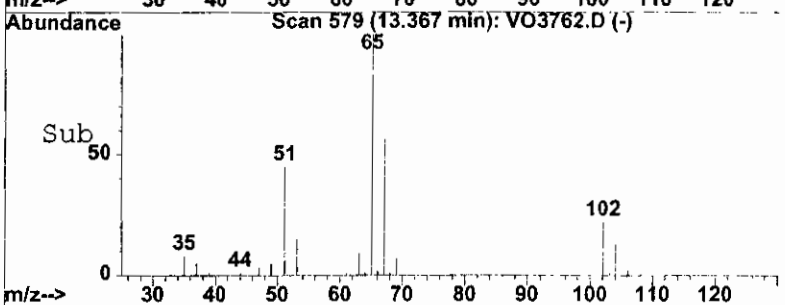


#22
d4-1,2-Dichloroethane (SURR)
Concen: 42.42 ppb
RT: 13.37 min Scan# 579
Delta R.T. -0.07 min
Lab File: VO3762.D
Acq: 22 Apr 2001 12:04 pm

Tgt Ion: 65 Resp: 242051
Ion Ratio Lower Upper
65 100
65 100.0 80.0 120.0
102 21.1 15.8 23.6

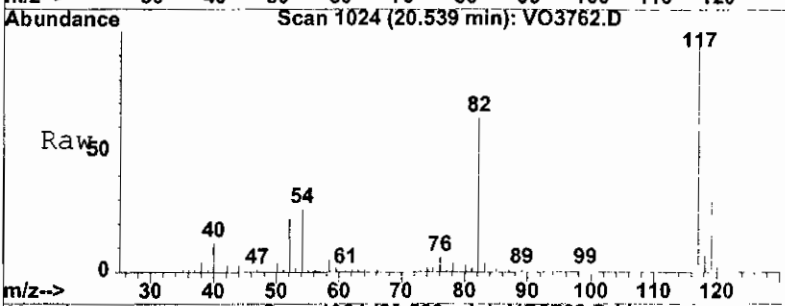


Abundance Ion 65.00 (64.70 to 65.70): VO37
Ion 65.00 (64.70 to 65.70): VO37
Ion 102.00 (101.70 to 102.70): V

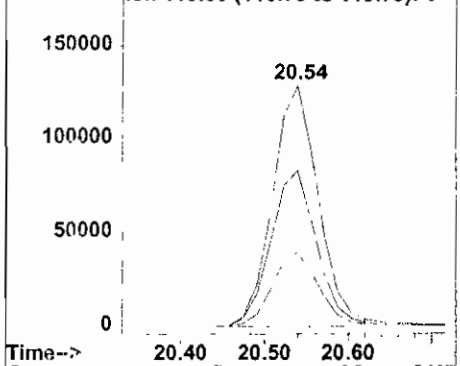
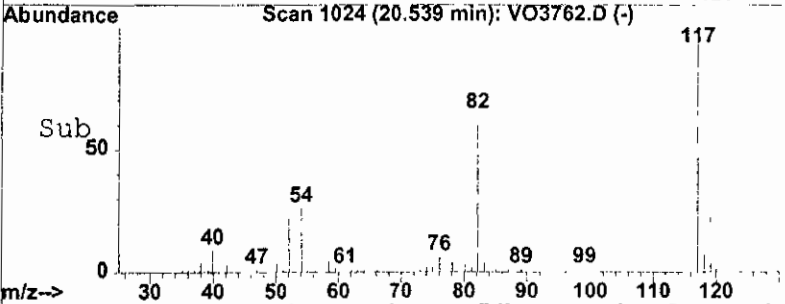


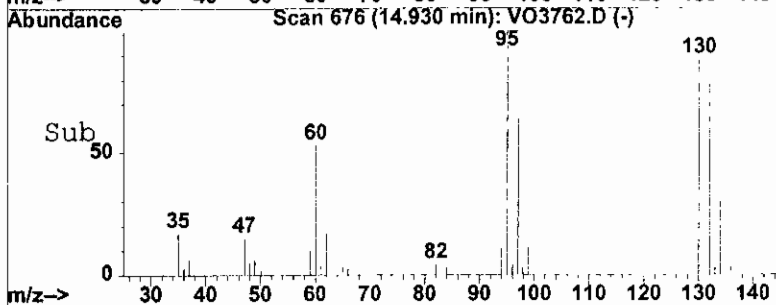
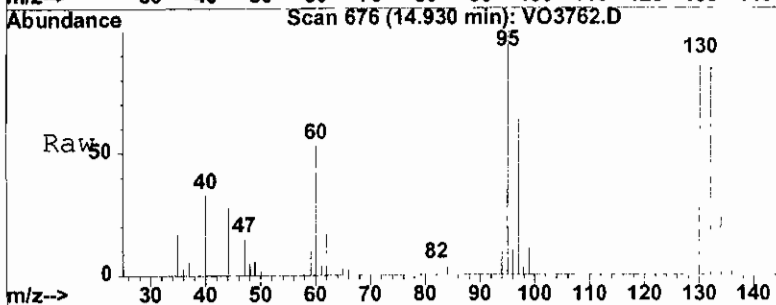
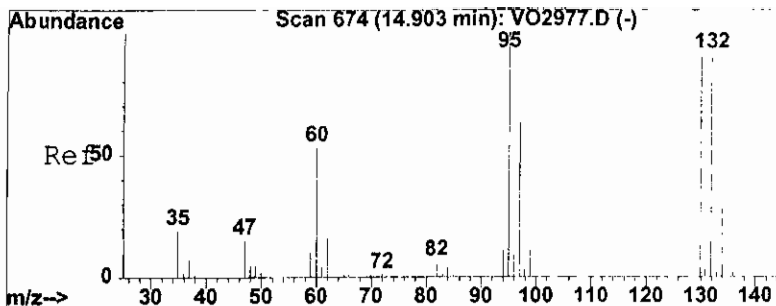
#26
CHLOROBENZENE-d5 (ISTD)
Concen: 50.00 ppb
RT: 20.54 min Scan# 1024
Delta R.T. -0.07 min
Lab File: VO3762.D
Acq: 22 Apr 2001 12:04 pm

Tgt Ion: 117 Resp: 484519
Ion Ratio Lower Upper
117 100
117 100.0 80.0 120.0
82 0.0 0.0 0.0
119 31.0 25.0 37.4



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VO37
Ion 119.00 (118.70 to 119.70): V

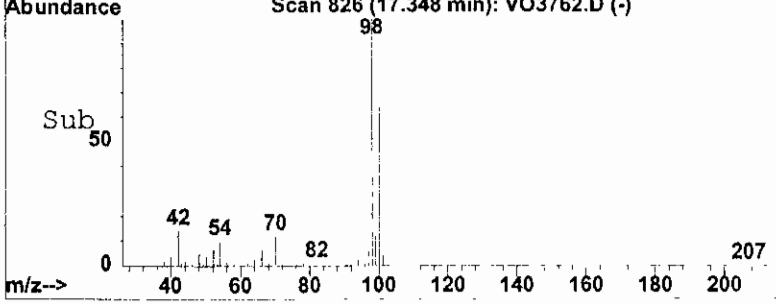
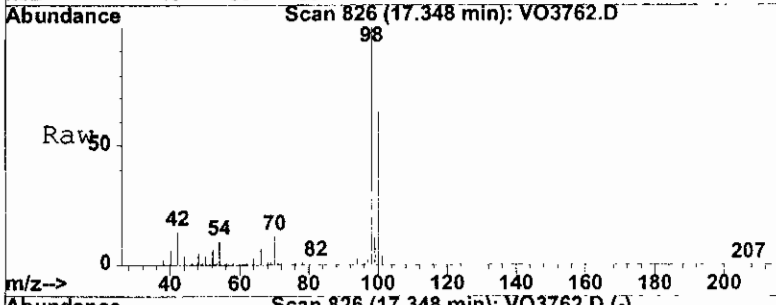
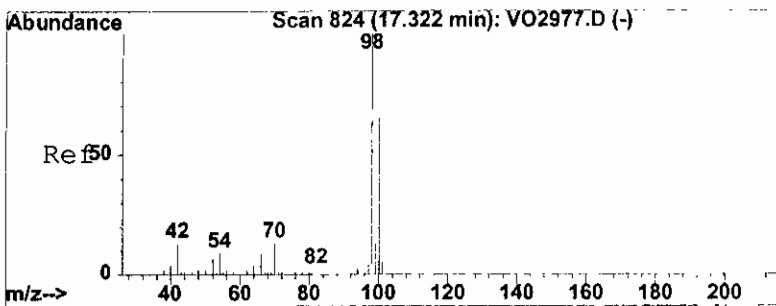
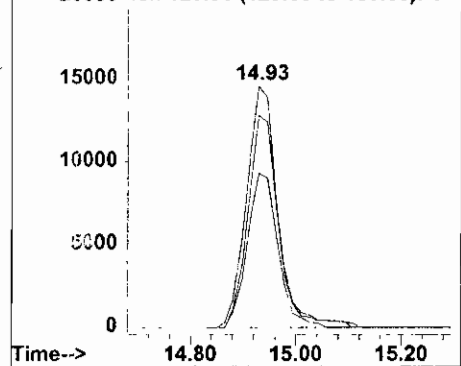




#27
 Trichloroethylene
 Concen: 297.08 ppb
 RT: 14.93 min Scan# 676
 Delta R.T. -0.08 min
 Lab File: VO3762.D
 Acq: 22 Apr 2001 12:04 pm

Tgt Ion: 95 Resp: 60621
 Ion Ratio Lower Upper
 95 100
 95 100.0 80.0 120.0
 97 62.3 51.2 76.8
 130 85.3 75.3 112.9

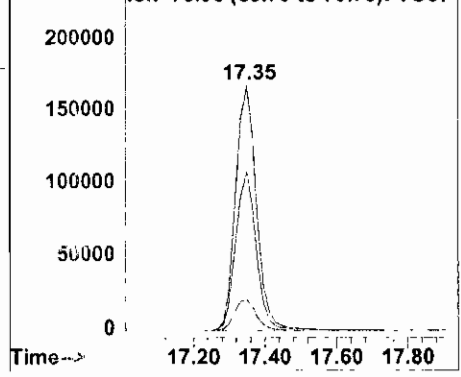
Abundance Ion 94.85 (94.55 to 95.55): VO37
 Ion 94.85 (94.55 to 95.55): VO37
 Ion 96.95 (96.65 to 97.65): VO37
 Ion 129.90 (129.60 to 130.60): V



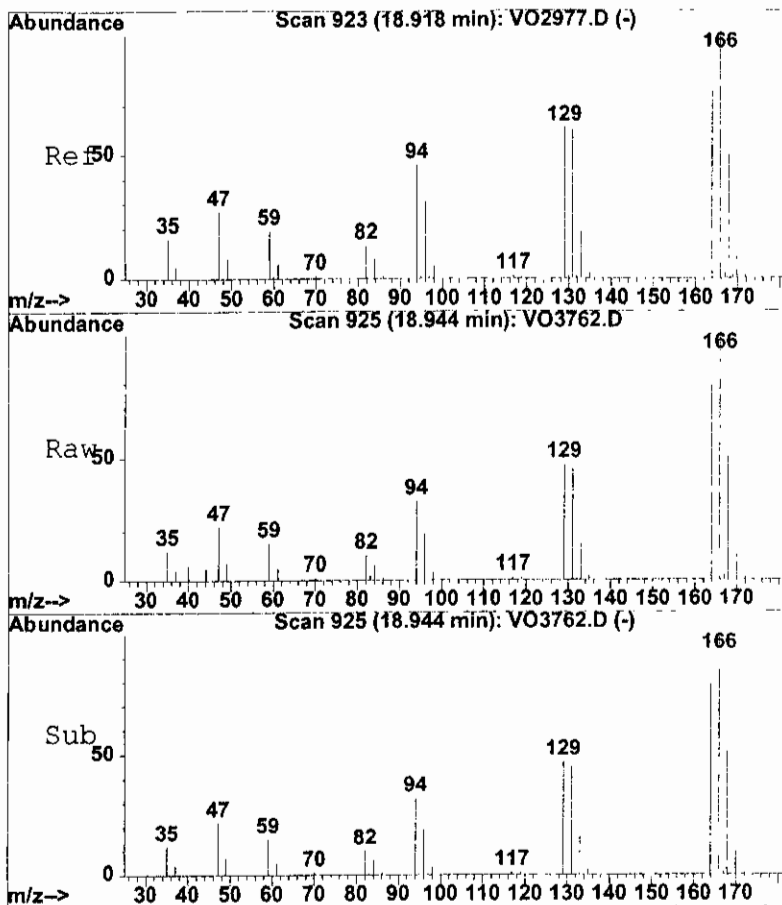
#34
 Toluene-d8 (SURR)
 Concen: 53.24 ppb
 RT: 17.35 min Scan# 826
 Delta R.T. -0.07 min
 Lab File: VO3762.D
 Acq: 22 Apr 2001 12:04 pm

Tgt Ion: 98 Resp: 671800
 Ion Ratio Lower Upper
 98 100
 98 100.0 80.0 120.0
 100 63.3 51.6 77.4
 70 0.0 0.0 0.0

Abundance Ion 98.00 (97.70 to 98.70): VO37
 Ion 98.00 (97.70 to 98.70): VO37
 Ion 100.00 (99.70 to 100.70): VO
 Ion 70.00 (69.70 to 70.70): VO37

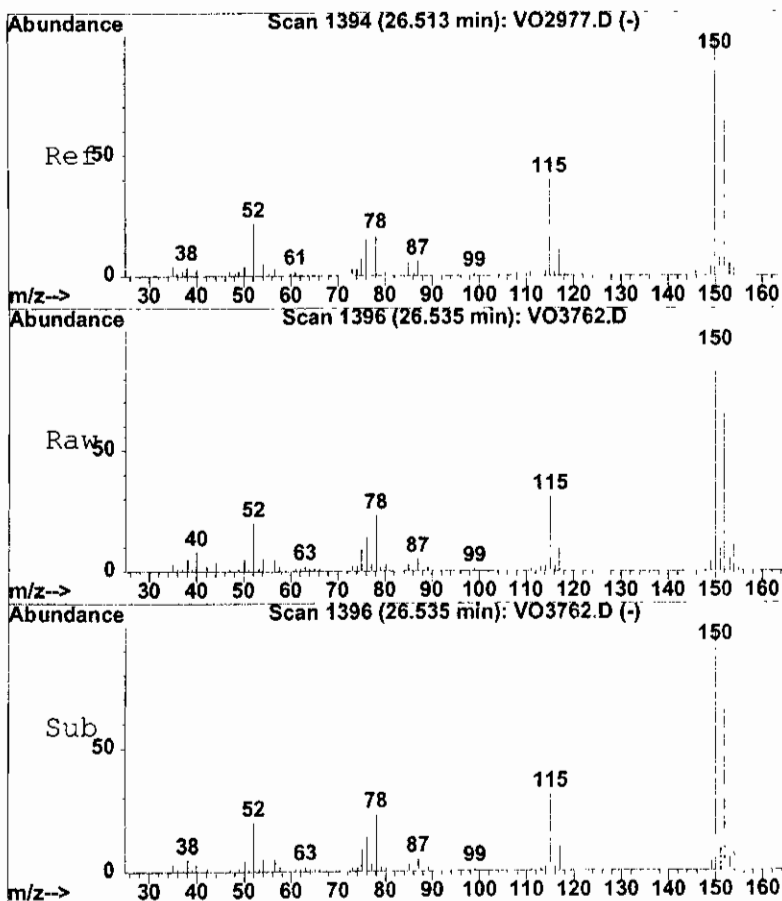
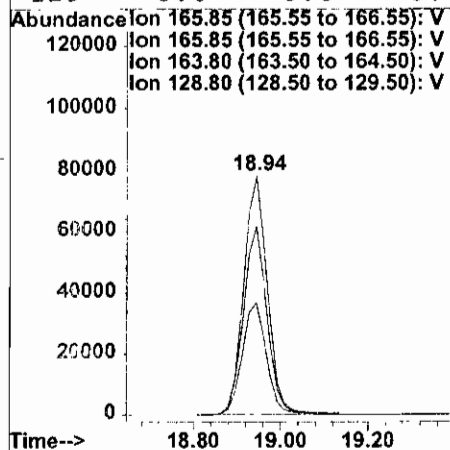


000165



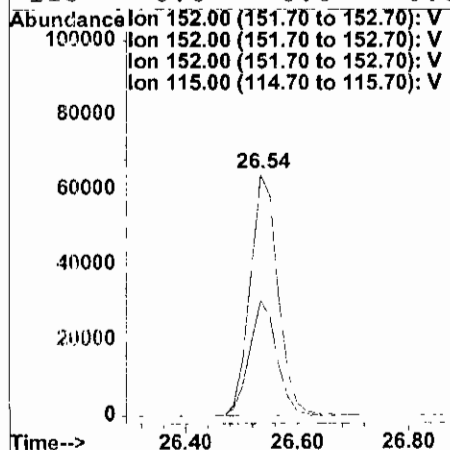
#39
Tetrachloroethylene
Concen: 730.54 ppb
RT: 18.94 min Scan# 925
Delta R.T. -0.07 min
Lab File: VO3762.D
Acq: 22 Apr 2001 12:04 pm

Tgt Ion:166 Resp: 294806
Ion Ratio Lower Upper
166 100
166 100.0 80.0 120.0
164 0.0 0.0 0.0
129 0.0 0.0 0.0

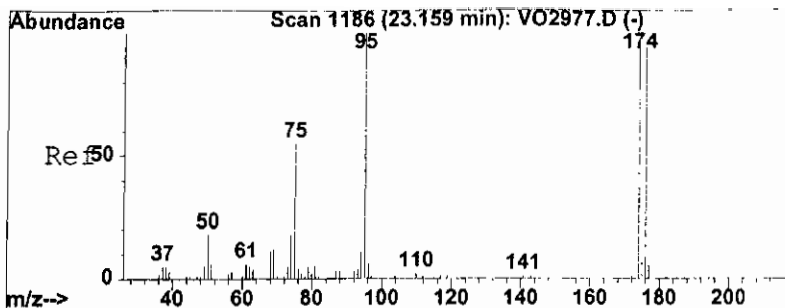


#49
1,2-DICHLORO BENZENE-d4 (ISTD)
Concen: 50.00 ppb
RT: 26.54 min Scan# 1396
Delta R.T. -0.08 min
Lab File: VO3762.D
Acq: 22 Apr 2001 12:04 pm

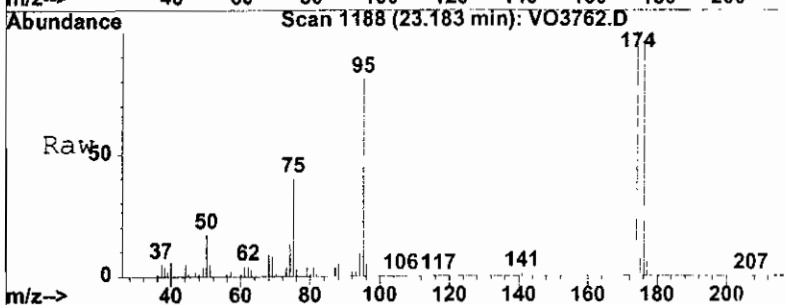
Tgt Ion:152 Resp: 222243
Ion Ratio Lower Upper
152 100
152 100.0 80.0 120.0
152 100.0 80.0 120.0
115 0.0 0.0 0.0



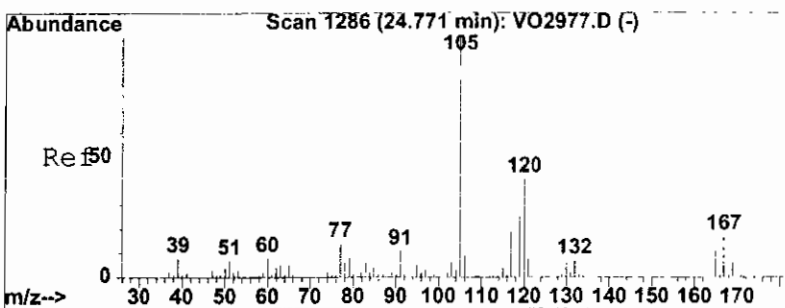
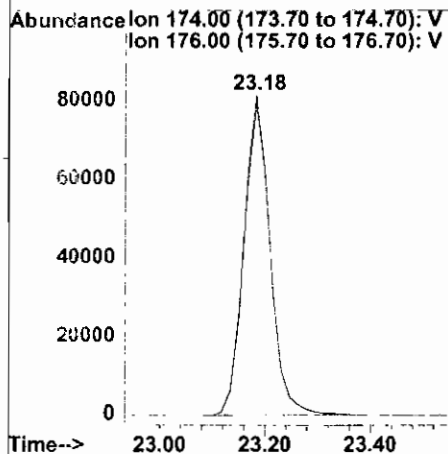
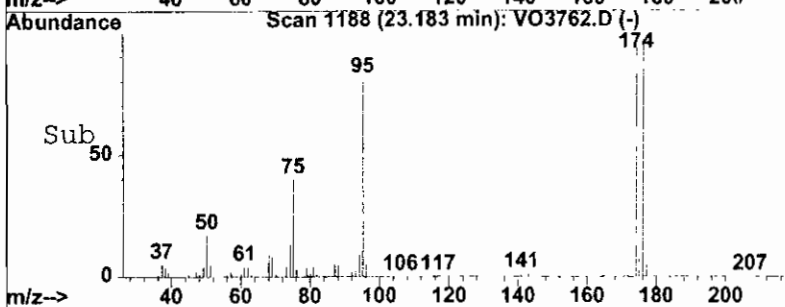
000166



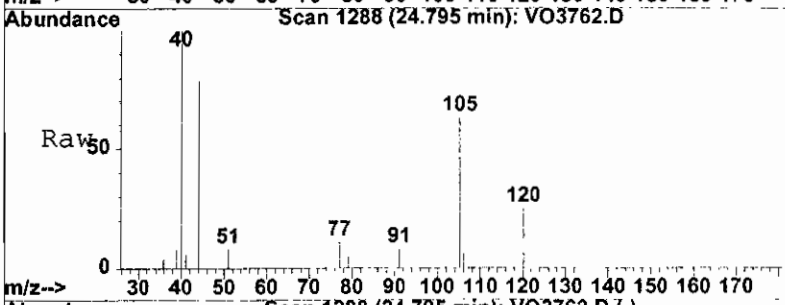
#51
p-Bromofluorobenzene (SURR)
Concen: 46.17 ppb
RT: 23.18 min Scan# 1188
Delta R.T. -0.07 min
Lab File: VO3762.D
Acq: 22 Apr 2001 12:04 pm



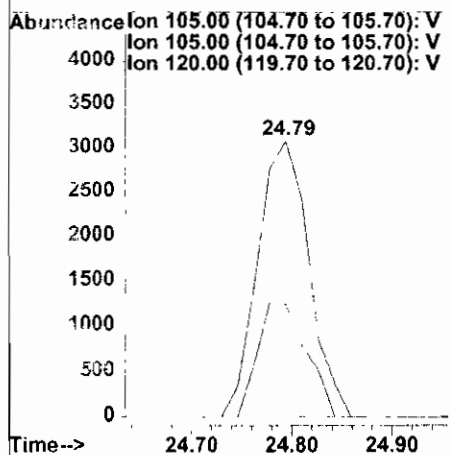
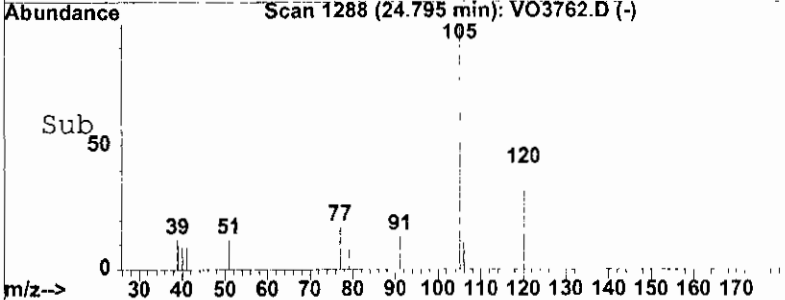
Tgt Ion: 174 Resp: 283215
Ion Ratio Lower Upper
174 100
176 98.2 79.8 119.8



#62
1,2,4-trimethylbenzene
Concen: 28.60 ppb
RT: 24.79 min Scan# 1288
Delta R.T. -0.07 min
Lab File: VO3762.D
Acq: 22 Apr 2001 12:04 pm



Tgt Ion: 105 Resp: 10819
Ion Ratio Lower Upper
105 100
105 100.0 80.0 120.0
120 0.0 39.0 58.6#



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\VO3763.D
 Acq On : 22 Apr 2001 12:44 pm
 Sample : 01040168-02 RE 25x ASPB
 Misc : QBV1042201A
 MS Integration Params: rteint.p
 Quant Time: Apr 22 13:15 19101

Vial: 7
 Operator: BB
 Inst : VOA No.1
 Multiplr: 25.00

Quant Results File: V1C60W.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C60W.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Wed Apr 18 08:12:40 2001
 Response via : Initial Calibration
 DataAcq Meth : V1C60W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.09	70	203393	50.00	ppb	-0.08
26) CHLOROBENZENE-d5(ISTD)	20.54	117	479862	50.00	ppb	-0.06
49) 1,2-DICHLOROBENZENE-d4(IST	26.54	152	216282	50.00	ppb	-0.08

System Monitoring Compounds

22) d4-1,2-Dichloroethane(SURR	13.37	65	242902	43.58	ppb	-0.06
Spiked Amount	50.000	Range	64 - 122	Recovery	=	87.16%
34) Toluene-d8(SURR)	17.35	98	670642	53.67	ppb	-0.06
Spiked Amount	50.000	Range	83 - 114	Recovery	=	107.34%
51) p-Bromofluorobenzene(SURR)	23.18	174	280865	47.05	ppb	-0.06
Spiked Amount	50.000	Range	71 - 126	Recovery	=	94.10%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	5.15	62	9116	91.68	ppb	99
11) Methylene Chloride	9.03	49	23411	62.64	ppb	96
13) Acetone	7.79	43	42746	568.51	ppb	99
15) cis-1,2-Dichloroethylene	11.71	96	23271	87.19	ppb	# 98
20) 1,1,1-Trichloroethane	12.90	97	9500	29.97	ppb	# 95
27) Trichloroethylene	14.93	95	59004	291.96	ppb	95
39) Tetrachloroethylene	18.94	166	268546	671.93	ppb	# 100
45) p- & m-Xylenes	20.96	91	18623	34.47	ppb	98
62) 1,2,4-trimethylbenzene	24.79	105	15869	43.10	ppb	97

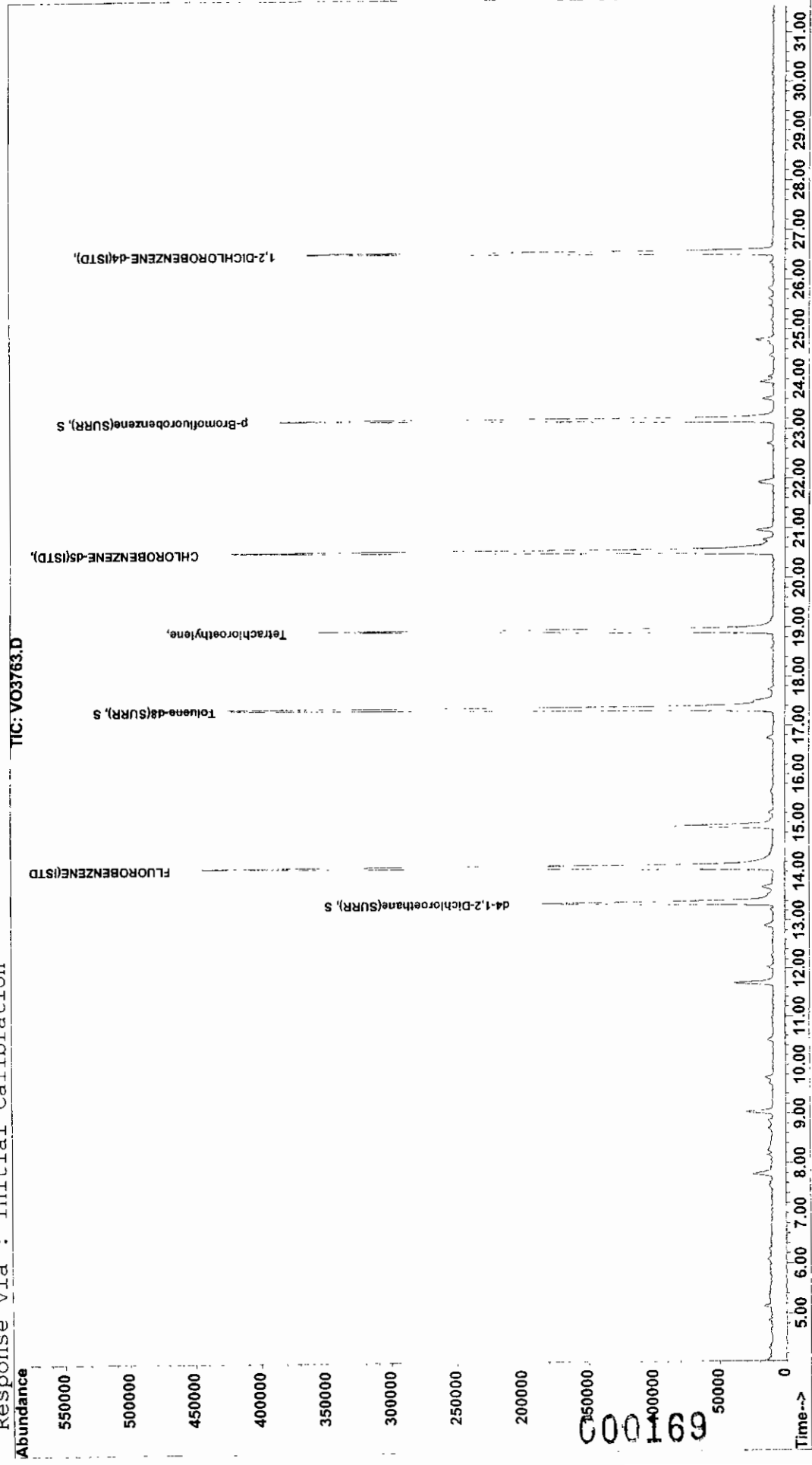
Quantitati Report

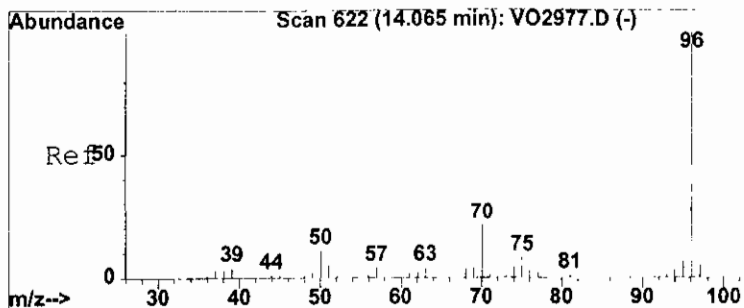
Data File : C:\HPCHEM\1\DATA\VO3763.D
 Acq On : 22 Apr 2001 12:44 pm
 Sample : 01040168-02 RE 25x ASPB
 Misc : QBV1042201A
 MS Integration Params: rteint.p
 Quant Time: Apr 22 13:15 19101

Vial: 7
 Operator: BB
 Inst : VOA No.1
 Multiplr: 25.00

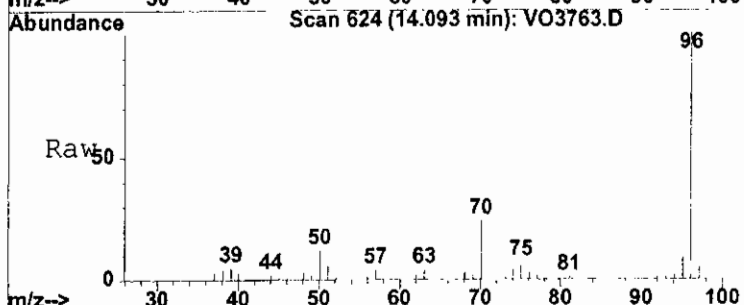
Quant Results File: V1C60W.RES

Method : C:\HPCHEM\1\METHODS\V1C58S.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Wed Apr 18 07:10:16 2001
 Response via : Initial Calibration



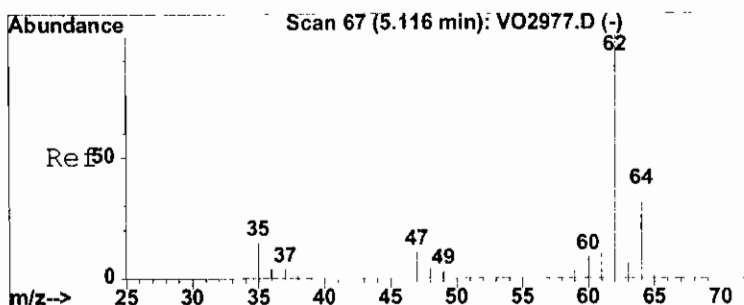
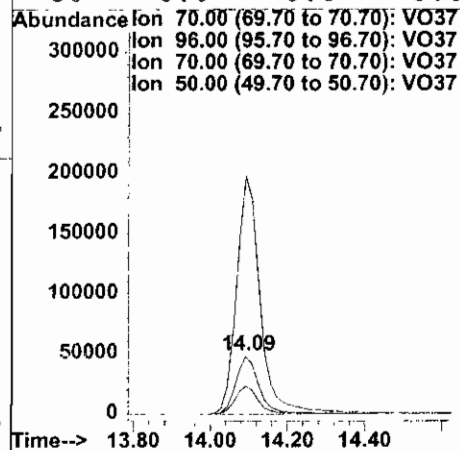
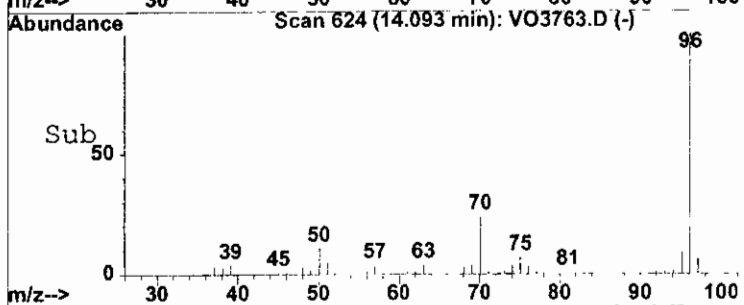


#1
 FLUOROBENZENE (ISTD)
 Concen: 50.00 ppb
 RT: 14.09 min Scan# 624
 Delta R.T. -0.08 min
 Lab File: VO3763.D
 Acq: 22 Apr 2001 12:44 pm

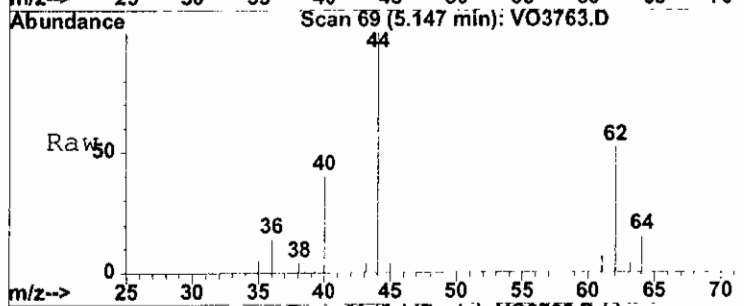


Tgt Ion: 70 Resp: 203393

Ion	Ratio	Lower	Upper
70	100		
96	418.0	352.9	529.3
70	100.0	80.0	120.0
50	0.0	0.0	0.0

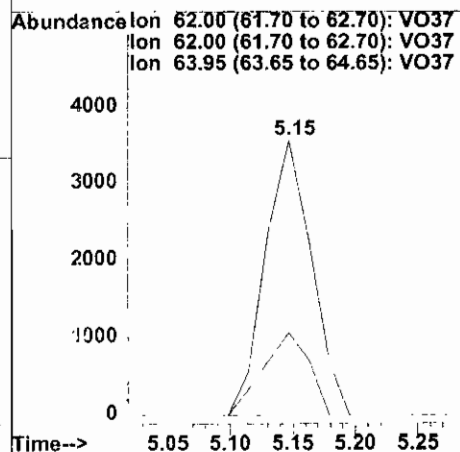
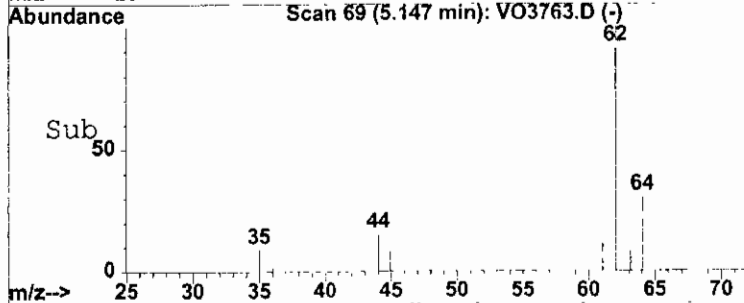


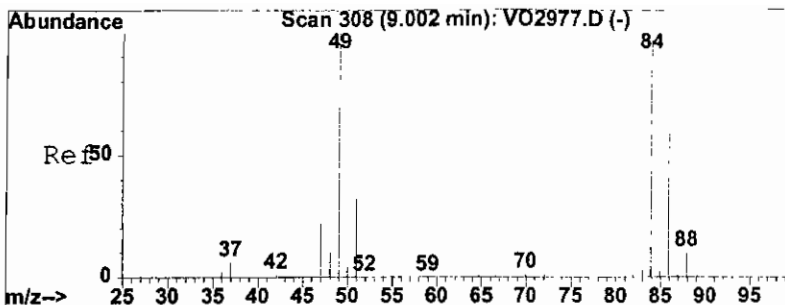
#4
 Vinyl Chloride
 Concen: 91.68 ppb
 RT: 5.15 min Scan# 69
 Delta R.T. -0.05 min
 Lab File: VO3763.D
 Acq: 22 Apr 2001 12:44 pm



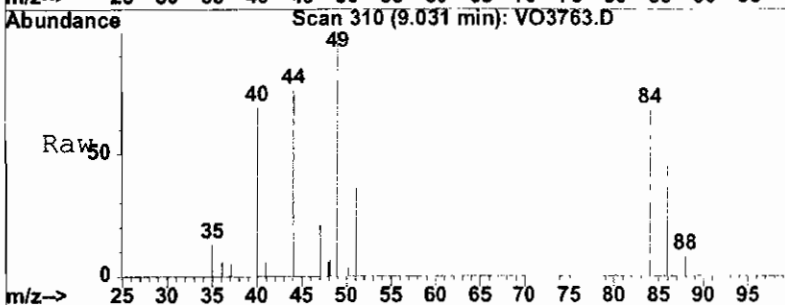
Tgt Ion: 62 Resp: 9116

Ion	Ratio	Lower	Upper
62	100		
62	100.0	80.0	120.0
64	29.6	25.4	38.0

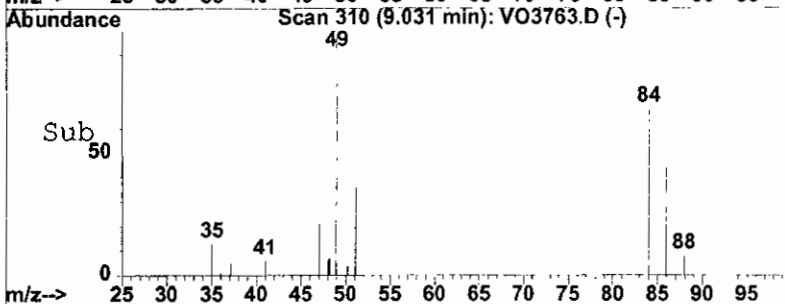




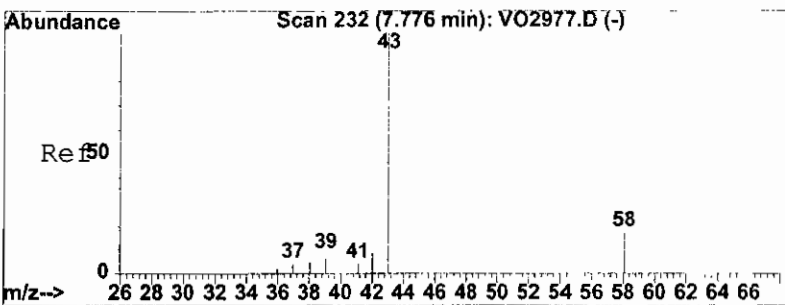
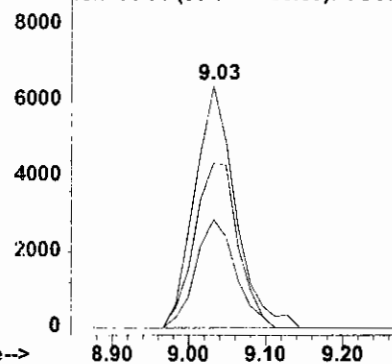
#11
Methylene Chloride
Concen: 62.64 ppb
RT: 9.03 min Scan# 310
Delta R.T. -0.06 min
Lab File: VO3763.D
Acq: 22 Apr 2001 12:44 pm



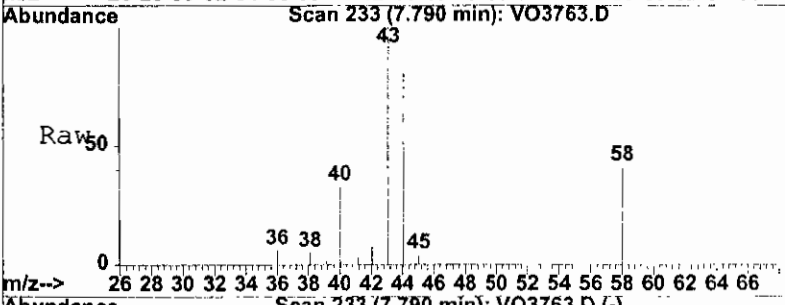
Tgt Ion: 49 Resp: 23411
Ion Ratio Lower Upper
49 100
49 100.0 80.0 120.0
84 72.7 62.1 93.1
86 44.1 40.9 61.3



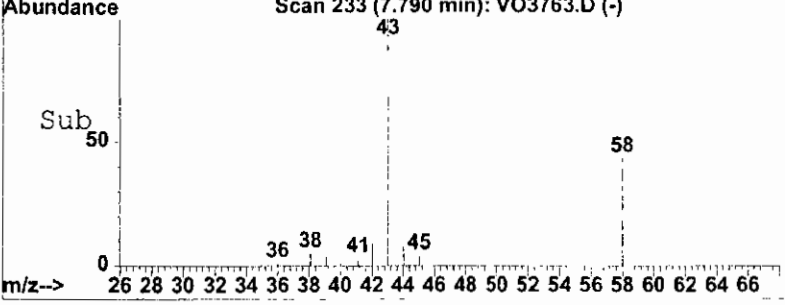
Abundance Ion 48.95 (48.65 to 49.65): VO37
10000 Ion 48.95 (48.65 to 49.65): VO37
Ion 83.95 (83.65 to 84.65): VO37
Ion 85.90 (85.60 to 86.60): VO37



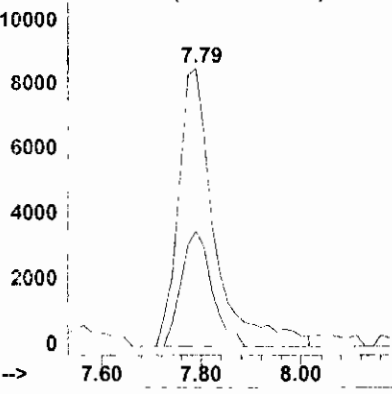
#13
Acetone
Concen: 568.51 ppb
RT: 7.79 min Scan# 233
Delta R.T. -0.05 min
Lab File: VO3763.D
Acq: 22 Apr 2001 12:44 pm

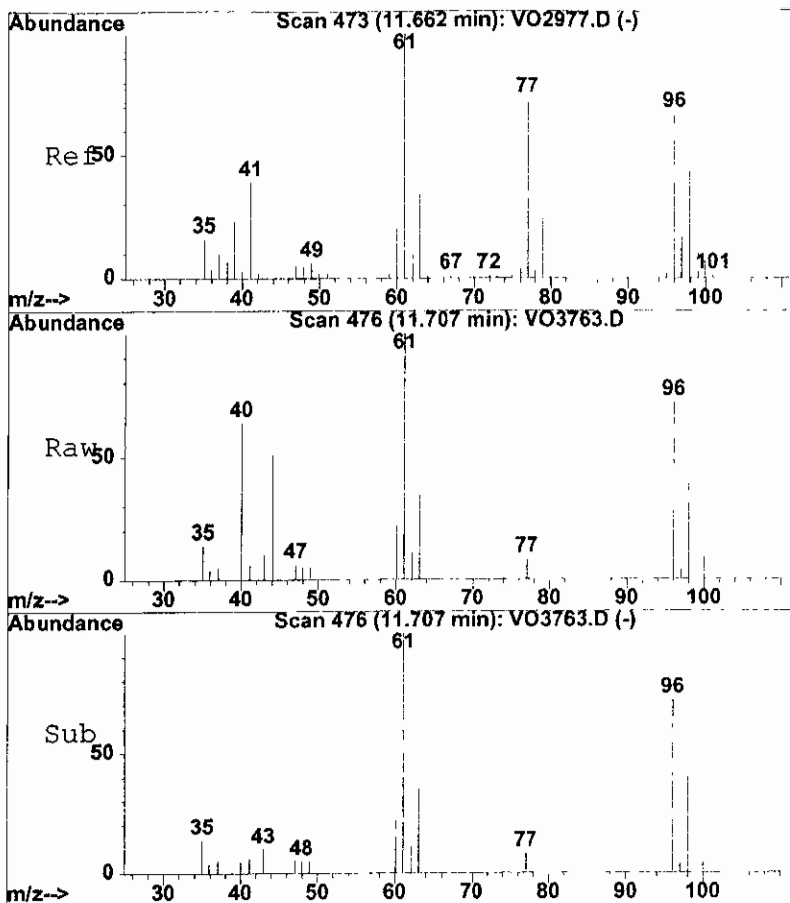


Tgt Ion: 43 Resp: 42746
Ion Ratio Lower Upper
43 100
43 100.0 80.0 120.0
58 35.0 29.5 44.3



Abundance Ion 43.00 (42.70 to 43.70): VO37
10000 Ion 43.00 (42.70 to 43.70): VO37
Ion 58.00 (57.70 to 58.70): VO37





#15
 cis-1,2-Dichloroethylene
 Concen: 87.19 ppb
 RT: 11.71 min Scan# 476
 Delta R.T. -0.06 min
 Lab File: VO3763.D
 Acq: 22 Apr 2001 12:44 pm

Tgt Ion: 96 Resp: 23271

Ion	Ratio	Lower	Upper
96	100		
96	100.0	80.0	120.0
98	60.3	51.7	77.5
61	0.0	0.0	0.0

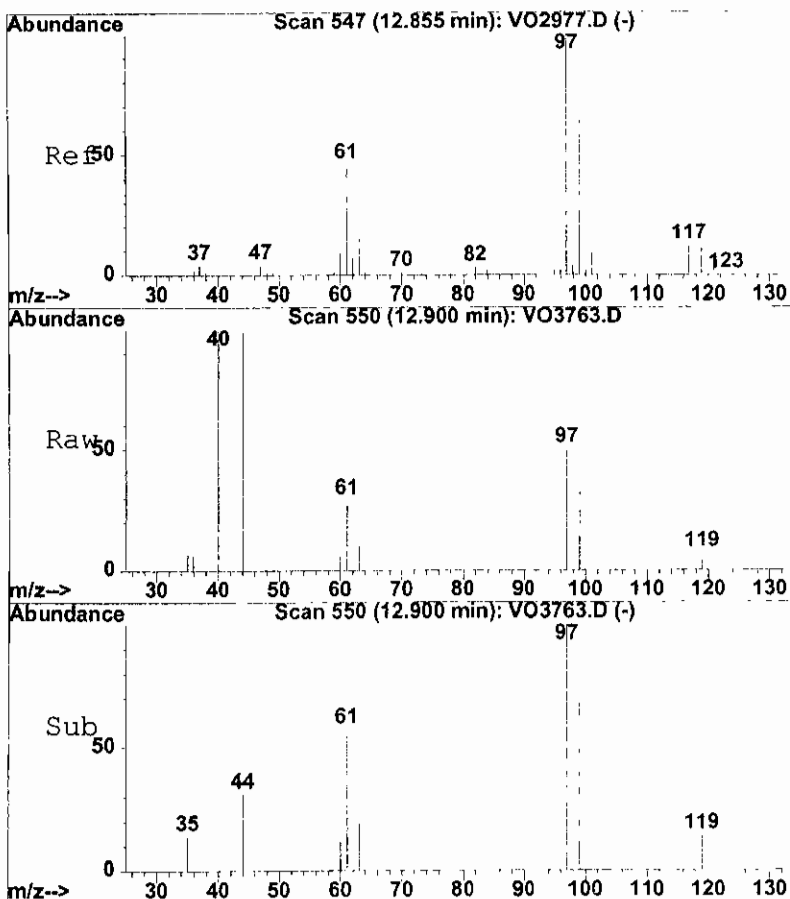
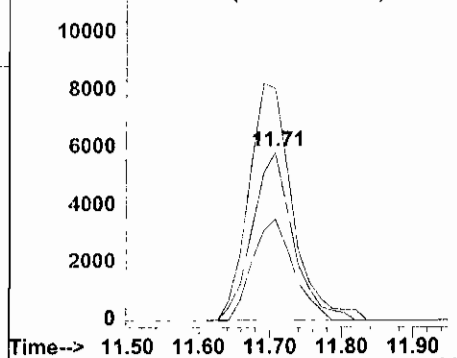
Abundance

Ion 95.95 (95.65 to 96.65): VO37

Ion 95.95 (95.65 to 96.65): VO37

12000 Ion 97.95 (97.65 to 98.65): VO37

Ion 61.00 (60.70 to 61.70): VO37



#20
 1,1,1-Trichloroethane
 Concen: 29.97 ppb
 RT: 12.90 min Scan# 550
 Delta R.T. -0.06 min
 Lab File: VO3763.D
 Acq: 22 Apr 2001 12:44 pm

Tgt Ion: 97 Resp: 9500

Ion	Ratio	Lower	Upper
97	100		
97	100.0	80.0	120.0
99	69.4	51.0	76.4
117	2.8	10.4	15.6#

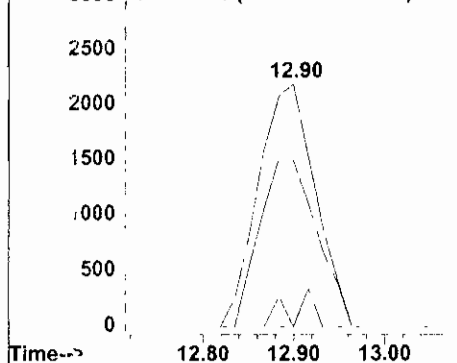
Abundance

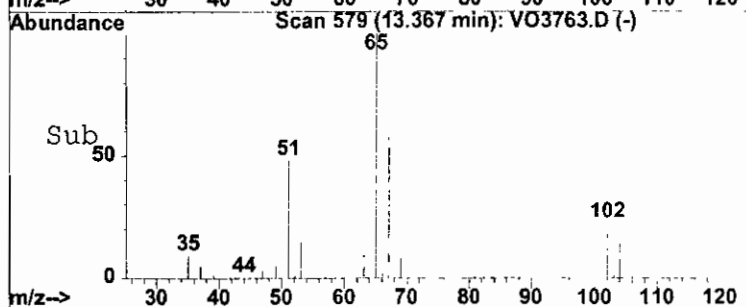
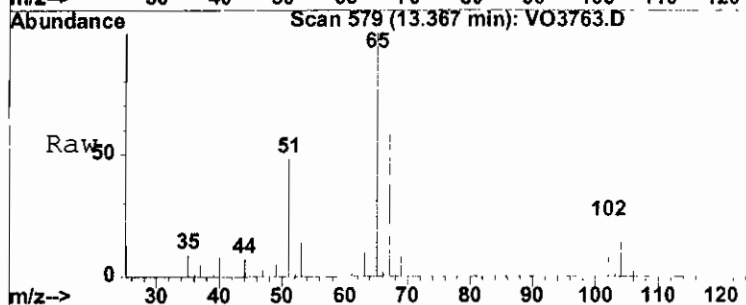
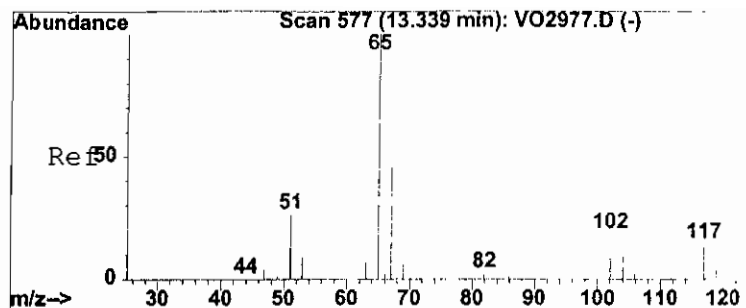
Ion 96.95 (96.65 to 97.65): VO37

Ion 96.95 (96.65 to 97.65): VO37

Ion 98.90 (98.60 to 99.60): VO37

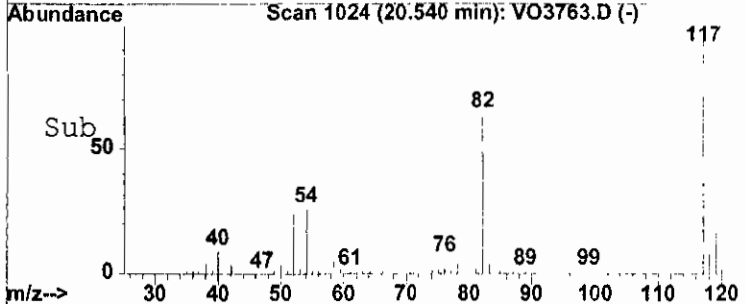
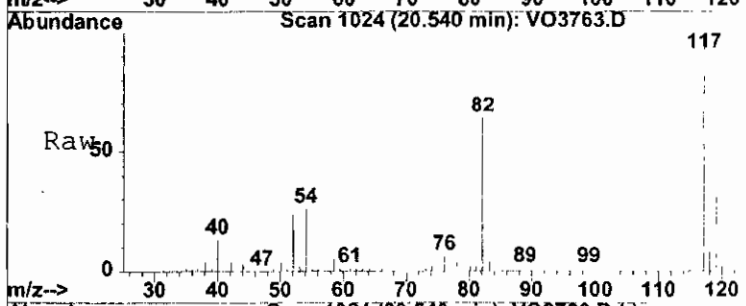
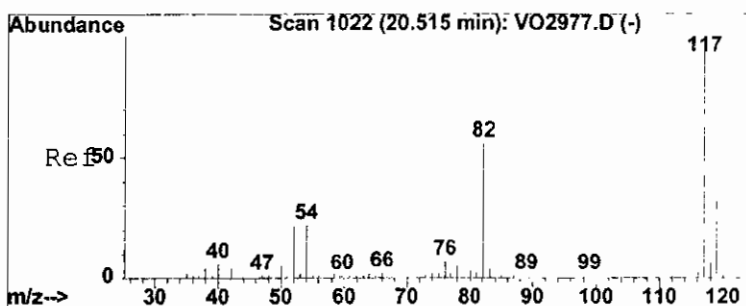
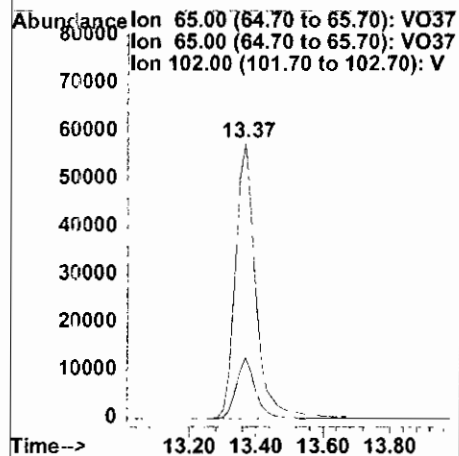
Ion 117.00 (116.70 to 117.70): V





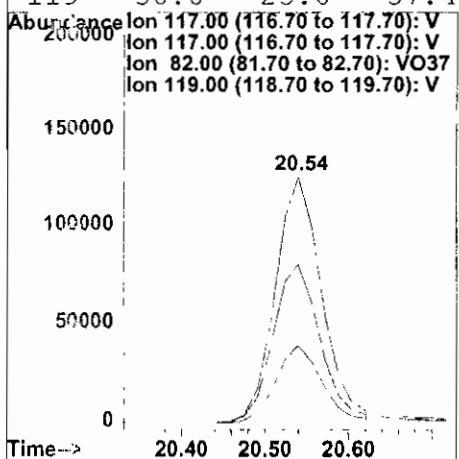
#22
d4-1,2-Dichloroethane (SURR)
Concen: 43.58 ppb
RT: 13.37 min Scan# 579
Delta R.T. -0.06 min
Lab File: VO3763.D
Acq: 22 Apr 2001 12:44 pm

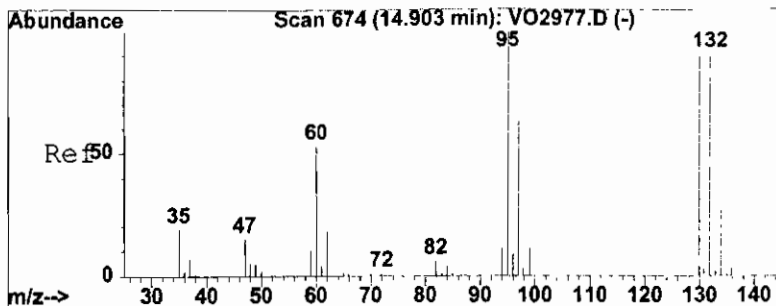
Tgt Ion: 65 Resp: 242902
Ion Ratio Lower Upper
65 100
65 100.0 80.0 120.0
102 20.4 15.8 23.6



#26
CHLOROBENZENE-d5 (ISTD)
Concen: 50.00 ppb
RT: 20.54 min Scan# 1024
Delta R.T. -0.06 min
Lab File: VO3763.D
Acq: 22 Apr 2001 12:44 pm

Tgt Ion: 117 Resp: 479862
Ion Ratio Lower Upper
117 100
117 100.0 80.0 120.0
82 0.0 0.0 0.0
119 30.8 25.0 37.4





#27

Trichloroethylene

Concen: 291.96 ppb

RT: 14.93 min Scan# 676

Delta R.T. -0.08 min

Lab File: VO3763.D

Acq: 22 Apr 2001 12:44 pm

Tgt Ion: 95 Resp: 59004

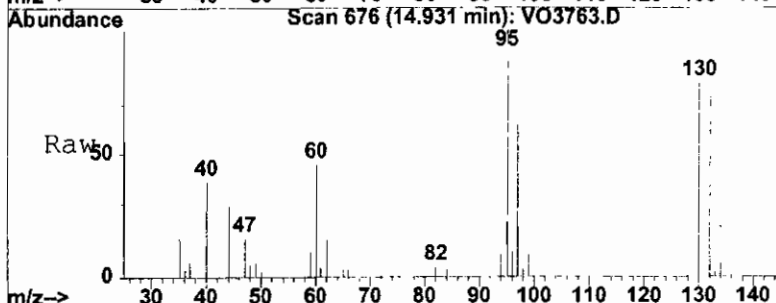
Ion Ratio Lower Upper

95 100

95 100.0 80.0 120.0

97 61.8 51.2 76.8

130 83.6 75.3 112.9

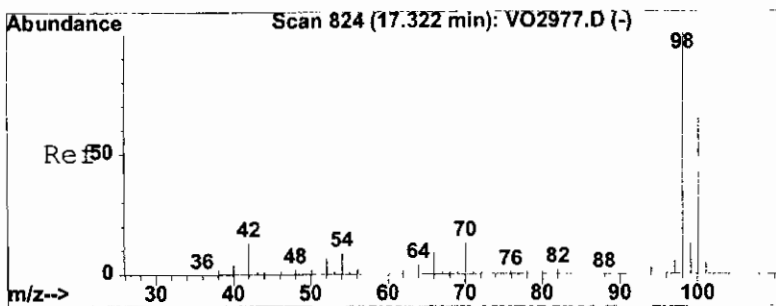
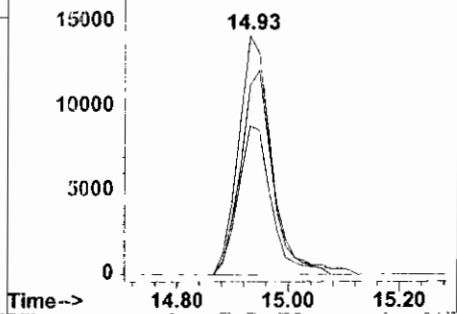
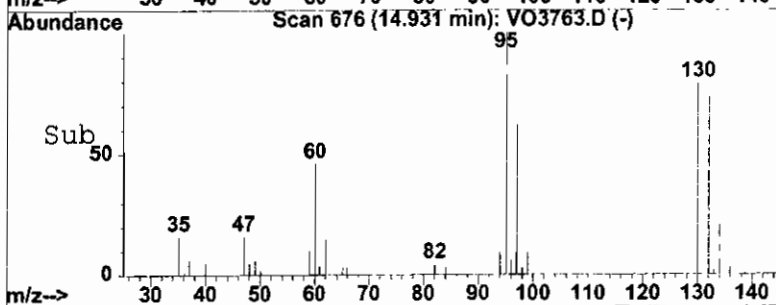


Abundance Ion 94.85 (94.55 to 95.55): VO37

Ion 94.85 (94.55 to 95.55): VO37

20000 Ion 96.95 (96.65 to 97.65): VO37

Ion 129.90 (129.60 to 130.60): V



#34

Toluene-d8 (SURR)

Concen: 53.67 ppb

RT: 17.35 min Scan# 826

Delta R.T. -0.06 min

Lab File: VO3763.D

Acq: 22 Apr 2001 12:44 pm

Tgt Ion: 98 Resp: 670642

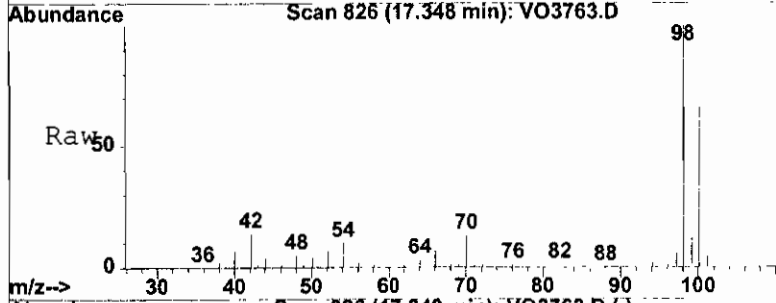
Ion Ratio Lower Upper

98 100

98 100.0 80.0 120.0

100 64.4 51.6 77.4

70 0.0 0.0 0.0

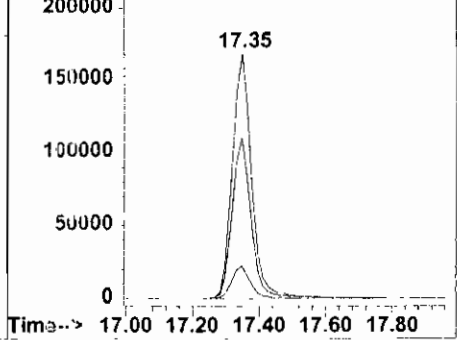
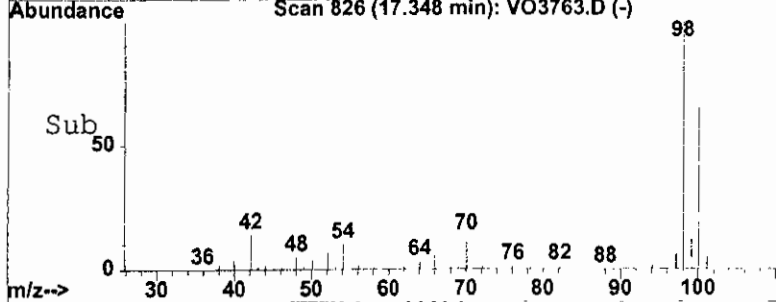


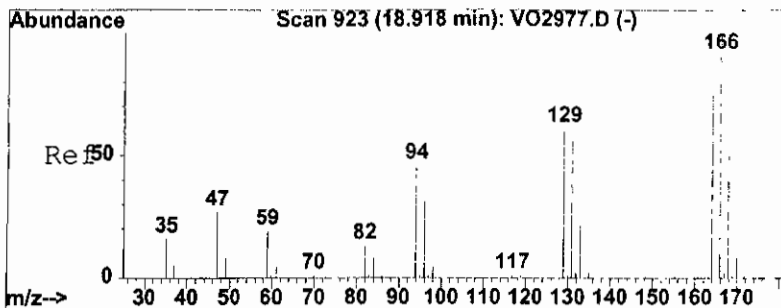
Abundance Ion 98.00 (97.70 to 98.70): VO37

Ion 98.00 (97.70 to 98.70): VO37

250000 Ion 100.00 (99.70 to 100.70): VO

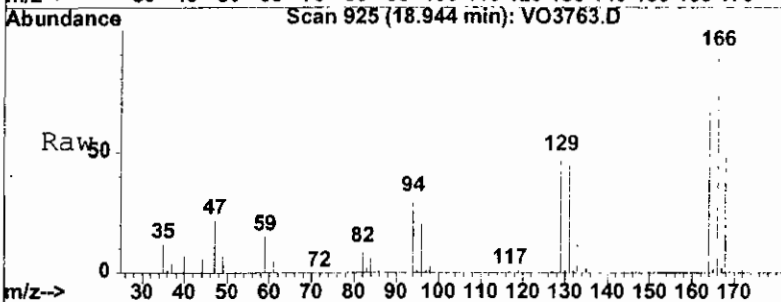
Ion 70.00 (69.70 to 70.70): VO37



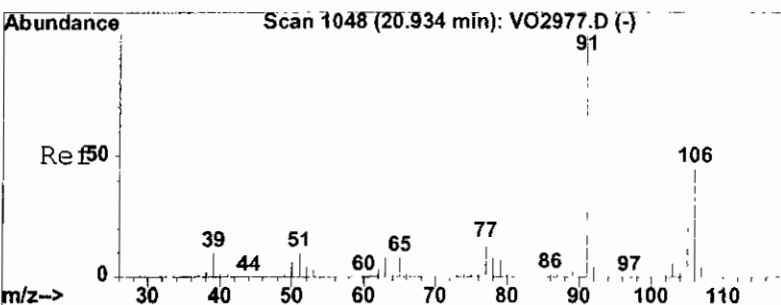
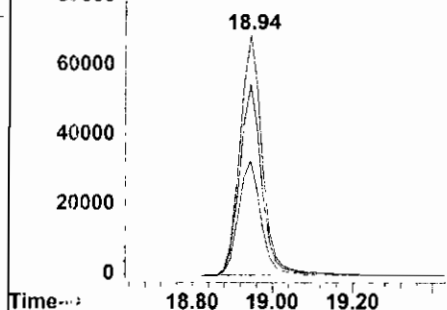
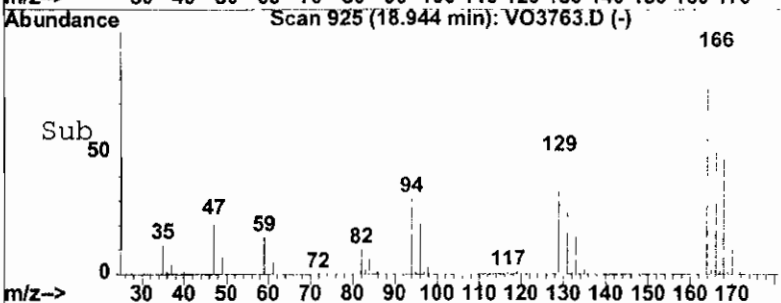


#39
Tetrachloroethylene
Concen: 671.93 ppb
RT: 18.94 min Scan# 925
Delta R.T. -0.06 min
Lab File: VO3763.D
Acq: 22 Apr 2001 12:44 pm

Tgt Ion: 166 Resp: 268546
Ion Ratio Lower Upper
166 100
136 100.0 80.0 120.0
164 0.0 0.0 0.0
129 0.0 0.0 0.0

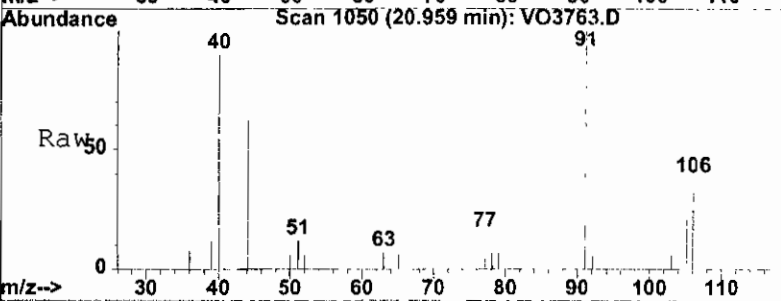


Abundance Ion 165.85 (165.55 to 166.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 163.80 (163.50 to 164.50): V
Ion 128.80 (128.50 to 129.50): V

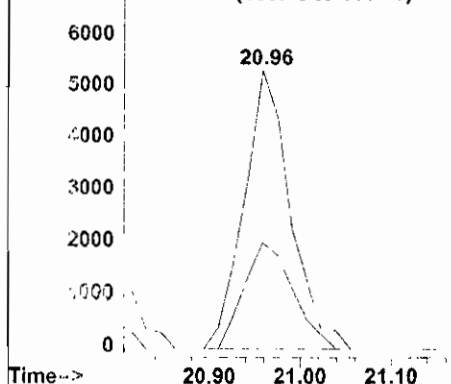
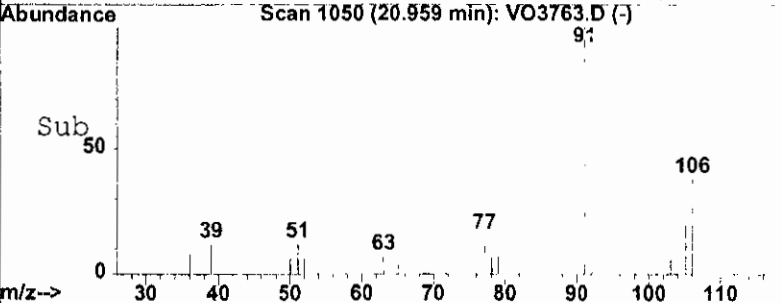


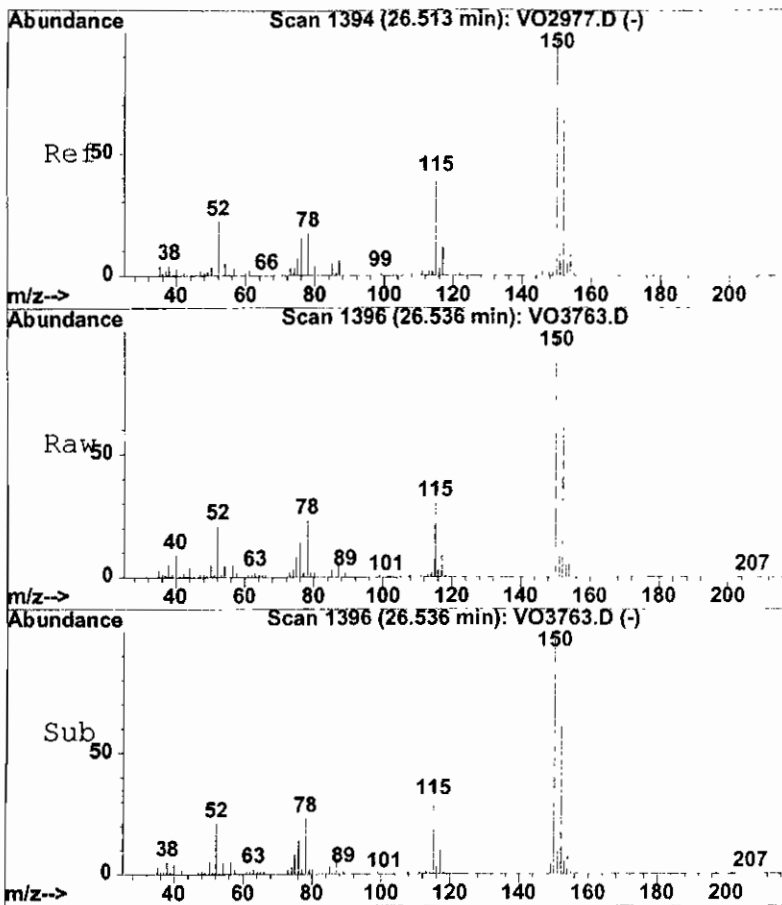
#45
p- & m-Xylenes
Concen: 34.47 ppb
RT: 20.96 min Scan# 1050
Delta R.T. -0.08 min
Lab File: VO3763.D
Acq: 22 Apr 2001 12:44 pm

Tgt Ion: 91 Resp: 18623
Ion Ratio Lower Upper
91 100
91 100.0 80.0 120.0
106 40.0 36.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VO37
Ion 91.00 (90.70 to 91.70): VO37
Ion 106.05 (105.75 to 106.75): V

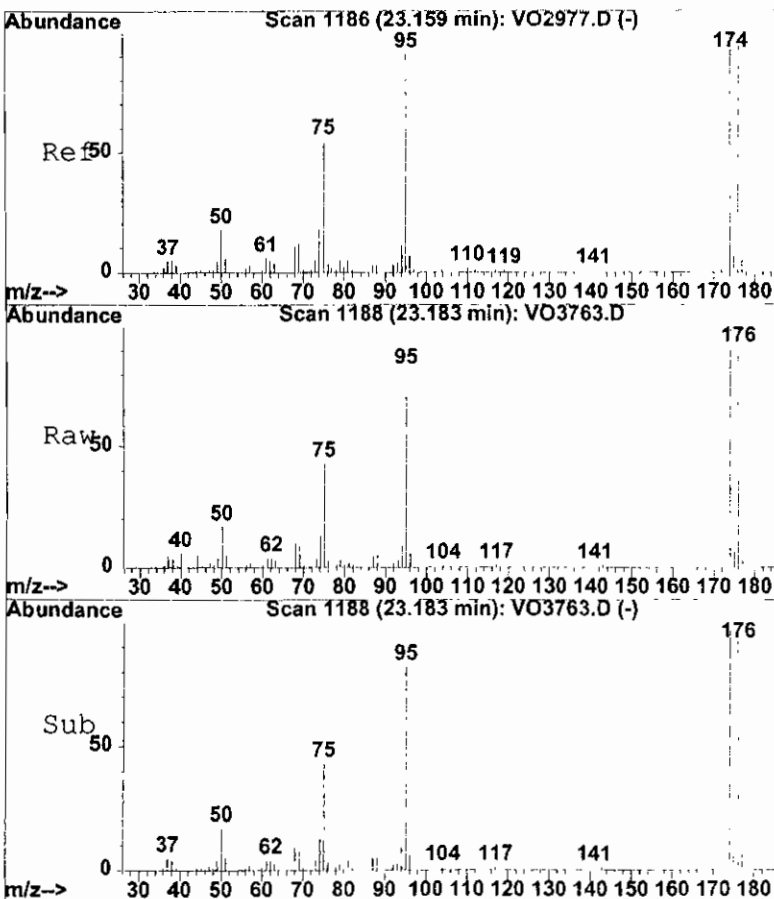
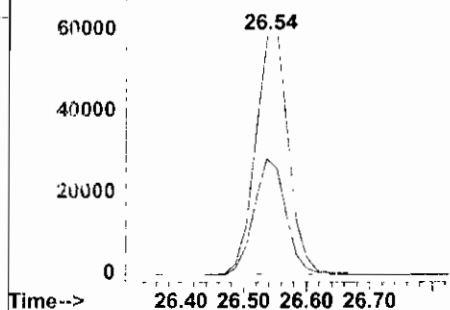




#49
1,2-DICHLOROBENZENE-d4 (ISTD)
Concen: 50.00 ppb
RT: 26.54 min Scan# 1396
Delta R.T. -0.08 min
Lab File: VO3763.D
Acq: 22 Apr 2001 12:44 pm

Tgt Ion: 152 Resp: 216282
Ion Ratio Lower Upper
152 100
152 100.0 80.0 120.0
152 100.0 80.0 120.0
115 0.0 0.0 0.0

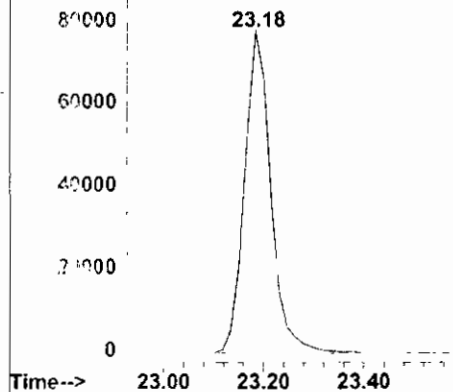
Abundance Ion 152.00 (151.70 to 152.70): V
Ion 152.00 (151.70 to 152.70): V
Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V



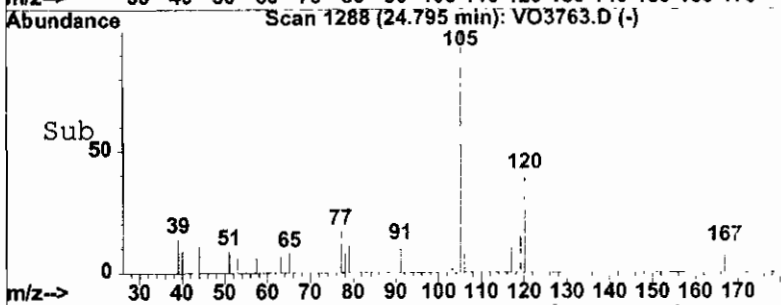
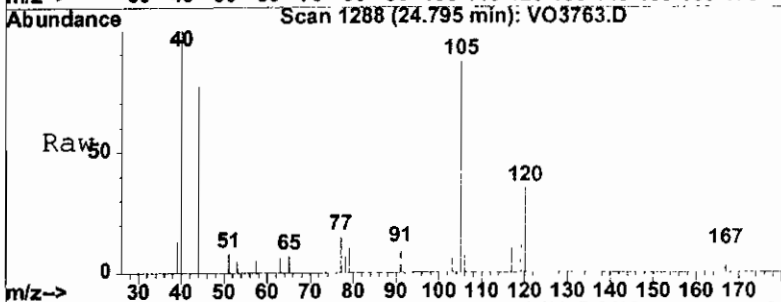
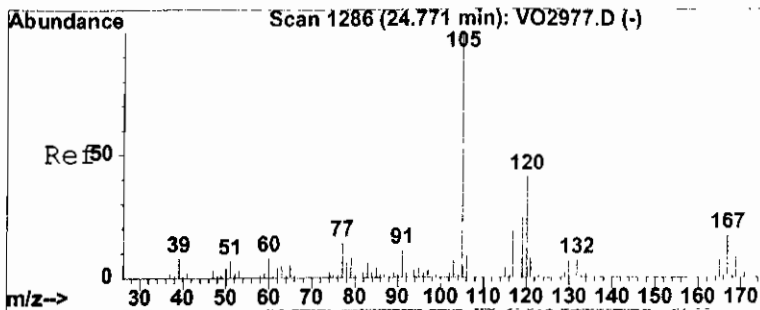
#51
p-Bromofluorobenzene (SURR)
Concen: 47.05 ppb
RT: 23.18 min Scan# 1188
Delta R.T. -0.06 min
Lab File: VO3763.D
Acq: 22 Apr 2001 12:44 pm

Tgt Ion: 174 Resp: 280865
Ion Ratio Lower Upper
174 100
176 100.3 79.8 119.8

Abundance Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V

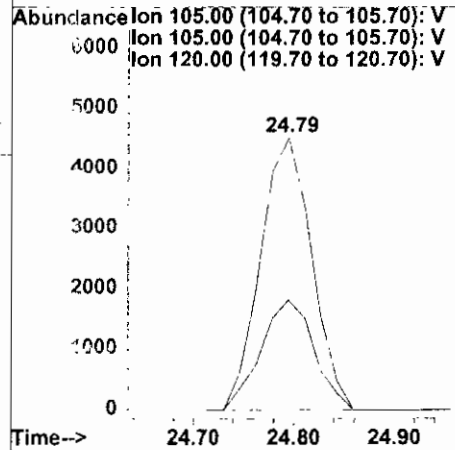


000176



#62
 1,2,4-trimethylbenzene
 Corcen: 43.10 ppb
 RT: 24.79 min Scan# 1288
 Delta R.T. -0.06 min
 Lab File: VO3763.D
 Acq: 22 Apr 2001 12:44 pm

Tgt Ion: 105 Resp: 15869
 Ion Ratio Lower Upper
 105 100
 105 100.0 80.0 120.0
 120 41.8 39.0 58.6



Data File : C:\HPCHEM\1\DATA\V33552.D

Vial: 13

Acq On : 19 Apr 2001 10:11 pm

Operator: BB

Sample : 01040168-02 \$8260W ASPB

Inst : VOA No. 2

Misc : QBV2041901A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Apr 19 22:43 19101

Quant Results File: V2C71W.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C71W.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Mon Apr 16 08:02:01 2001

Response via : Initial Calibration

DataAcq Meth : V2C71W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) FLUOROBENZENE (ISTD)	14.29	70	167263	50.00	ppb	-0.09
26) CHLOROBENZENE-d5 (ISTD)	20.76	117	327421	50.00	ppb	-0.10
48) 1,2-DICHLOROBENZENE-d4 (IST)	26.78	152	119494	50.00	ppb	-0.08

System Monitoring Compounds

22) d4-1,2-Dichloroethane (SURR)	13.56	65	517199	48.72	ppb	-0.12
Spiked Amount	50.000	Range	67 - 128	Recovery	=	97.44%
33) Toluene-d8 (SURR)	17.56	98	523283	53.92	ppb	-0.10
Spiked Amount	50.000	Range	87 - 113	Recovery	=	107.84%
50) p-Bromofluorobenzene (SURR)	23.41	174	143564	51.04	ppb	-0.09
Spiked Amount	50.000	Range	63 - 166	Recovery	=	102.08%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride ✓	5.26	62	90599	19.72	ppb	99
8) 1,1-Dichloroethylene ✓	8.30	61	42865	6.88	ppb	# 92
9) trans-1,2-Dichloroethylene ✓	9.91	61	6736	1.46	ppb	# 100
13) Acetone	7.93	43	3045	~~2.59~~	ppb	# 96
14) 1,1-Dichloroethane ✓	10.68	63	9236	1.42	ppb	98
15) cis-1,2-Dichloroethylene ✓	11.88	96	183163	69.79	ppb	# 99
20) 1,1,1-Trichloroethane ✓	13.08	97	313550	26.85	ppb	# 99
27) Trichloroethylene ✓	15.14	95	1095866	351.80	ppb	350E 99
30) 1,2-Dichloropropane ✓	15.13	63	2725	~~1.39~~	ppb	# 100
38) Tetrachloroethylene ✓	19.17	166	3672217	1750.51	ppb	1800E 99
40) Dibromochloromethane	19.17	129	3180123	~~822.31~~	ppb	# 63
43) Ethyl Benzene ✓	21.01	91	20514	1.76	ppb	# 100
44) p- & m-Xylenes ✓	21.20	91	11359	1.13	ppb	# 95
53) Isopropylbenzene ✓	22.95	105	10399	1.24	ppb	# 96
56) 2-Chlorotoluene	24.19	91	10387	1.19	ppb	# 92
58) tert-Butylbenzene	25.03	119	15890	2.70	ppb	# 100
59) 1,3,5-trimethylbenzene ✓	24.19	105	76841	10.61	ppb	# 100
60) 1,2,4-trimethylbenzene ✓	25.04	105	244061	34.22	ppb	99
61) sec-Butylbenzene	25.44	105	9281	1.50	ppb	# 98

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

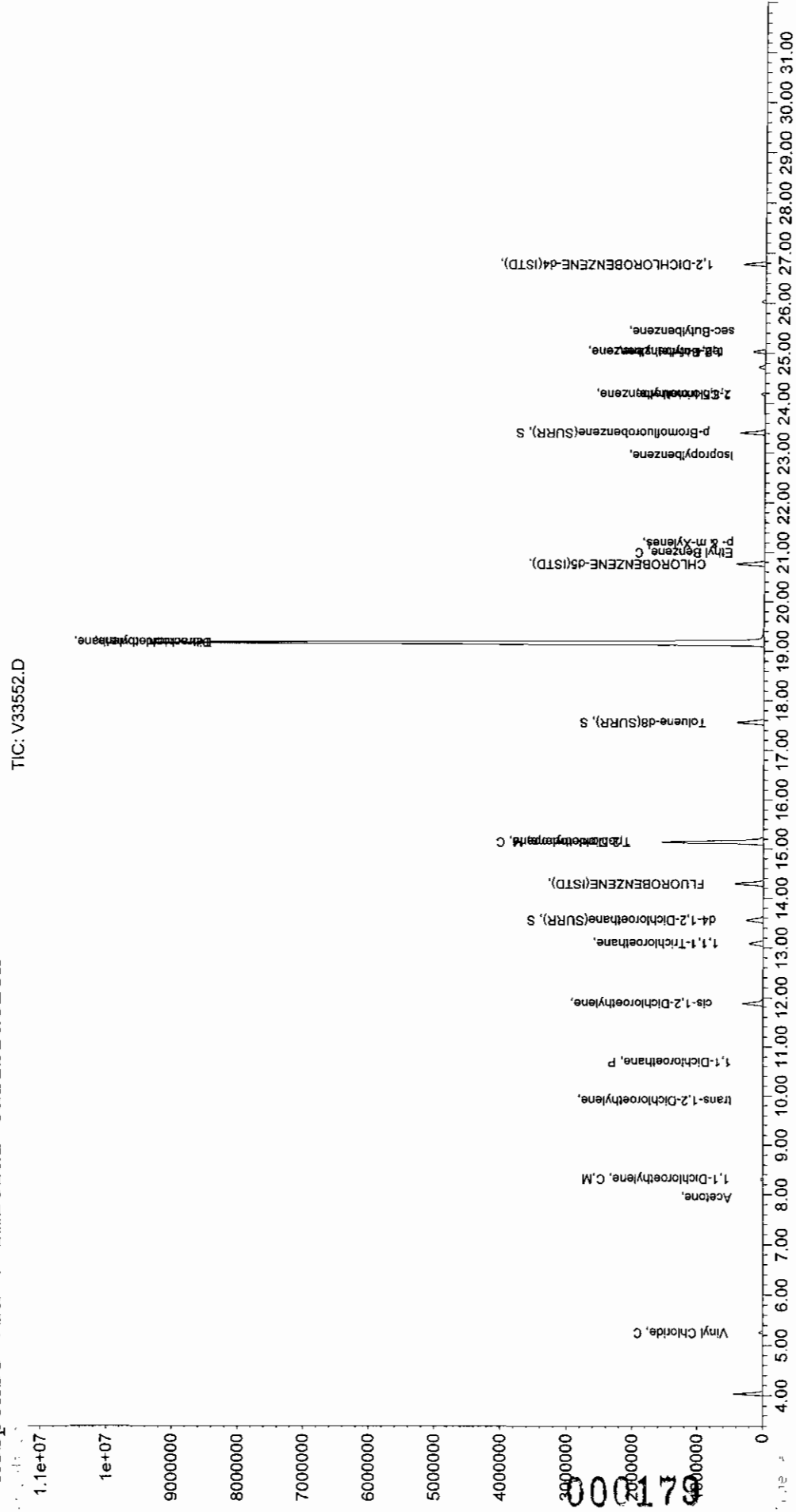
000178

Quantitation Report

Data File : C:\HPCHEM\1\DATA\V33552.D
 Acq On : 19 Apr 2001 10:11 pm
 Sample : 01040168-02 \$8260W ASPB
 Misc : QBV2041901A
 MS Integration Params: rteint.p
 Quant Time: Apr 19 22:43 19101
 Quant Results File: V2C71W.RES

Vial: 13
 Operator: BB
 Inst : VOA No. 2
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\V2C71W.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Mon Apr 16 08:02:01 2001
 Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\V33553.D

Vial: 14

Acq On : 19 Apr 2001 10:51 pm

Operator: BB

Sample : 01040168-03 \$8260W ASPB

Inst : VOA No. 2

Misc : QBV2041901A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Apr 19 23:23 19101

Quant Results File: V2C71W.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C71W.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Mon Apr 16 08:02:01 2001

Response via : Initial Calibration

DataAcq Meth : V2C71W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.30	70	140985	50.00	ppb	-0.09
26) CHLOROBENZENE-d5(ISTD)	20.78	117	312017	50.00	ppb	-0.08
48) 1,2-DICHLOROBENZENE-d4(IST	26.78	152	90979	50.00	ppb	-0.08

System Monitoring Compounds

22) d4-1,2-Dichloroethane(SURR	13.56	65	454344	50.77	ppb	-0.11
Spiked Amount	50.000	Range	67 - 128	Recovery	=	101.54%
33) Toluene-d8(SURR)	17.56	98	476272	51.50	ppb	-0.09
Spiked Amount	50.000	Range	87 - 113	Recovery	=	103.00%
50) p-Bromofluorobenzene(SURR)	23.42	174	133729	62.45	ppb	-0.08
Spiked Amount	50.000	Range	63 - 166	Recovery	=	124.90%

Target Compounds

						Qvalue
13) Acetone	7.93	43	1911	~~1.93~~	ppb	# 96
15) cis-1,2-Dichloroethylene	11.90	96	6928	3	3.13	ppb # 83
20) 1,1,1-Trichloroethane	13.09	97	48920	5	4.97	ppb # 99
27) Trichloroethylene	15.15	95	26890	9	9.06	ppb # 99
38) Tetrachloroethylene	19.17	166	87006	44	43.52	ppb # 98
40) Dibromochloromethane	19.17	129	79847	~~21.67~~	ppb	# 63

B

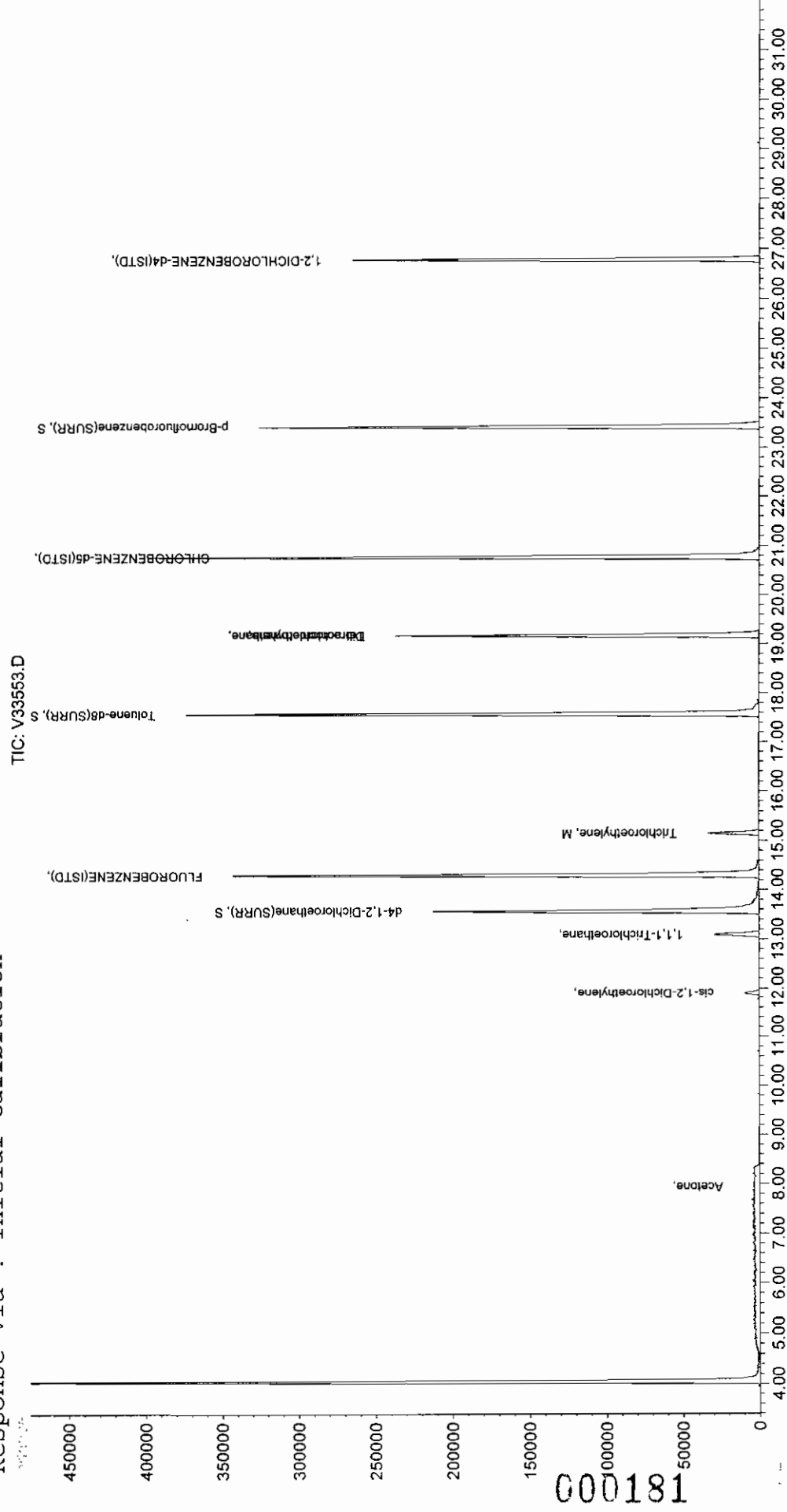
Quantitation Report

Data File : C:\HPCHEM\1\DATA\V33553.D
 Acq On : 19 Apr 2001 10:51 pm
 Sample : 01040168-03 \$8260W ASPB
 Misc : QBV2041901A
 MS Integration Params: rteint.p
 Quant Time: Apr 19 23:23 19101

Vial: 14
 Operator: BB
 Inst : VOA No. 2
 Multiplr: 1.00

Quant Results File: V2C71W.RES

Method : C:\HPCHEM\1\METHODS\V2C71W.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Mon Apr 16 08:02:01 2001
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\V33553.D
Acq On : 19 Apr 2001 10:51 pm
Sample : 01040168-03 \$8260W ASPB
Misc : QBV2041901A
MS Integration Params: rteint.p
Quant Time: Apr 19 23:23 19101

Vial: 14
Operator: BB
Inst : VOA No. 2
Multiplr: 1.00

Quant Results File: V2C71W.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C71W.M (RTE Integrator)
Title : VOCs BY GC/MS 8240/8260
Last Update : Mon Apr 16 08:02:01 2001
Response via : Initial Calibration
DataAcq Meth : V2C71W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.30	70	140985	50.00	ppb	-0.09
26) CHLOROBENZENE-d5(ISTD)	20.78	117	312017	50.00	ppb	-0.08
48) 1,2-DICHLOROBENZENE-d4(IST	26.78	152	90979	50.00	ppb	-0.08

System Monitoring Compounds

22) d4-1,2-Dichloroethane(SURR	13.56	65	454344	50.77	ppb	-0.11
Spiked Amount	50.000	Range	67 - 128	Recovery	=	101.54%
33) Toluene-d8(SURR)	17.56	98	476272	51.50	ppb	-0.09
Spiked Amount	50.000	Range	87 - 113	Recovery	=	103.00%
50) p-Bromofluorobenzene(SURR)	23.42	174	133729	62.45	ppb	-0.08
Spiked Amount	50.000	Range	63 - 166	Recovery	=	124.90%

Target Compounds

						Qvalue
13) Acetone	7.93	43	1911	1.93	ppb	# 96
15) cis-1,2-Dichloroethylene	11.90	96	6928	3.13	ppb	# 83
20) 1,1,1-Trichloroethane	13.09	97	48920	4.97	ppb	# 99
27) Trichloroethylene	15.15	95	26890	9.06	ppb	# 99
38) Tetrachloroethylene	19.17	166	87006	43.52	ppb	# 98
40) Dibromochloromethane	19.17	129	79847	21.67	ppb	# 63

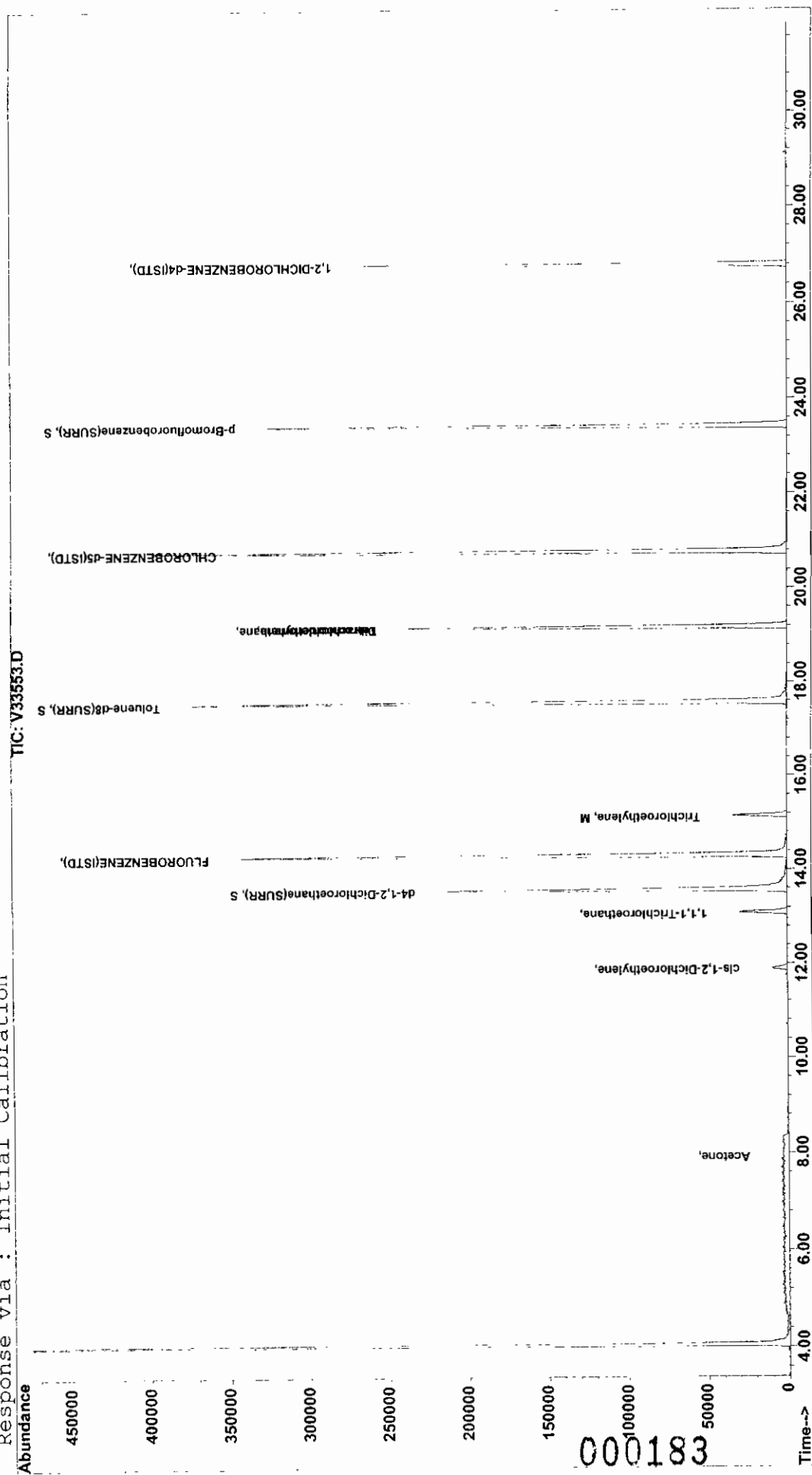
Quantitati Report

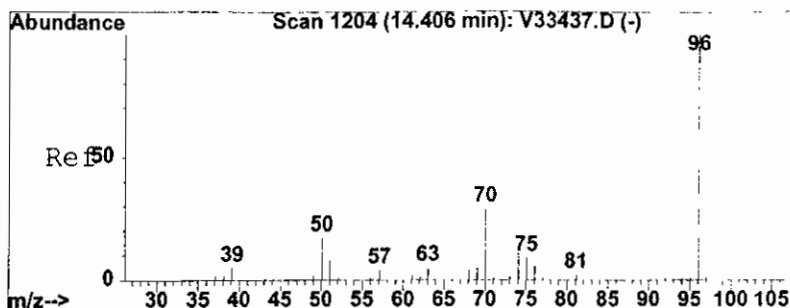
Data File : C:\HPCHEM\1\DATA\V33553.D
 Acq On : 19 Apr 2001 10:51 pm
 Sample : 01040168-03 \$8260W ASPB
 Misc : QBV2041901A
 MS Integration Params: rteint.p
 Quant Time: Apr 19 23:23 19101

Vial: 14
 Operator: BB
 Inst : VOA No. 2
 Multiplr: 1.00

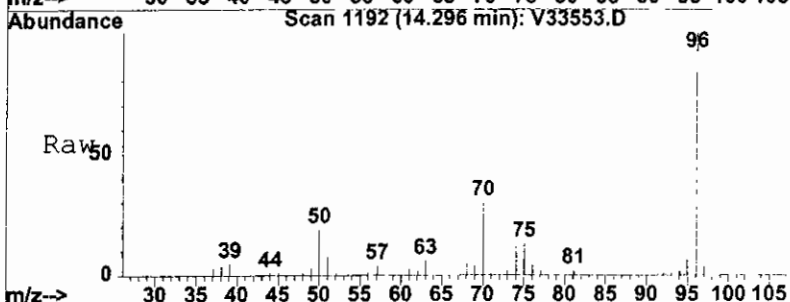
Quant Results File: V2C71W.RES

Method : C:\HPCHEM\1\METHODS\V2C71W.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Mon Apr 16 08:02:01 2001
 Response via : Initial Calibration

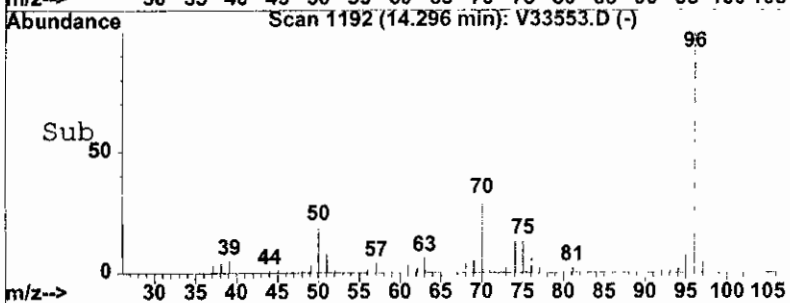




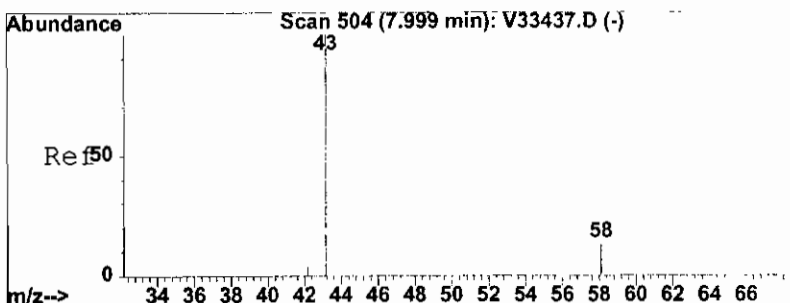
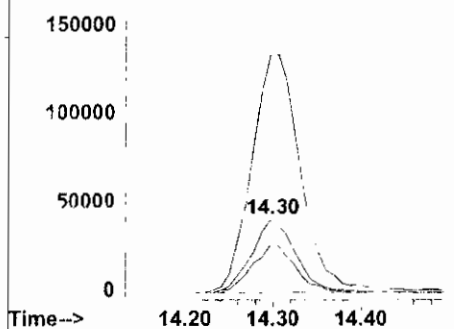
#1
 FLUOROBENZENE (ISTD)
 Concen: 50.00 ppb
 RT: 14.30 min Scan# 1192
 Delta R.T. -0.09 min
 Lab File: V33553.D
 Acq: 19 Apr 2001 10:51 pm



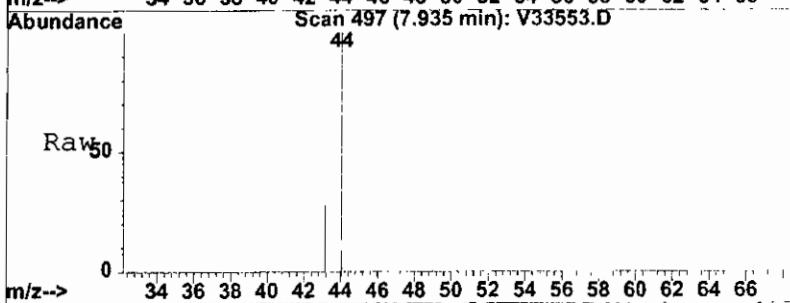
Tgt Ion: 70 Resp: 140985
 Ion Ratio Lower Upper
 70 100
 96 366.2 300.1 450.1
 70 100.0 80.0 120.0
 50 64.0 50.2 75.2



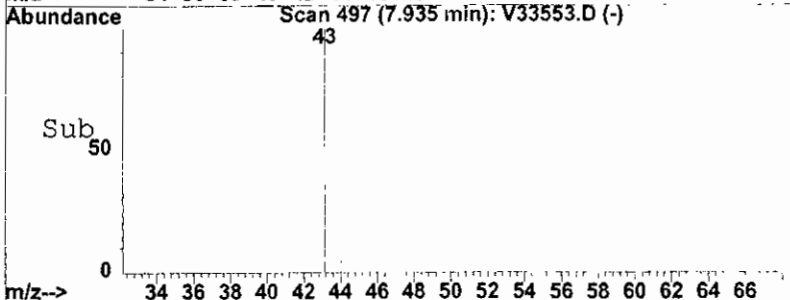
Abundance Ion 70.00 (69.70 to 70.70): V335
 200000 Ion 96.00 (95.70 to 96.70): V335
 Ion 70.00 (69.70 to 70.70): V335
 Ion 50.00 (49.70 to 50.70): V335



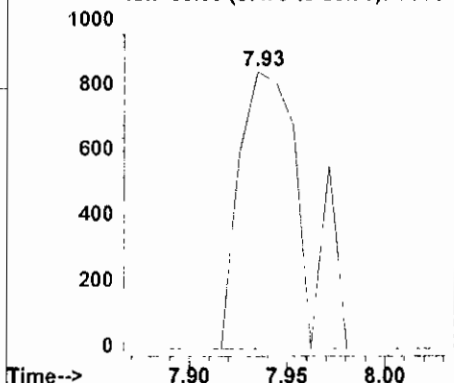
#13
 Acetone
 Concen: 1.93 ppb
 RT: 7.93 min Scan# 497
 Delta R.T. -0.05 min
 Lab File: V33553.D
 Acq: 19 Apr 2001 10:51 pm

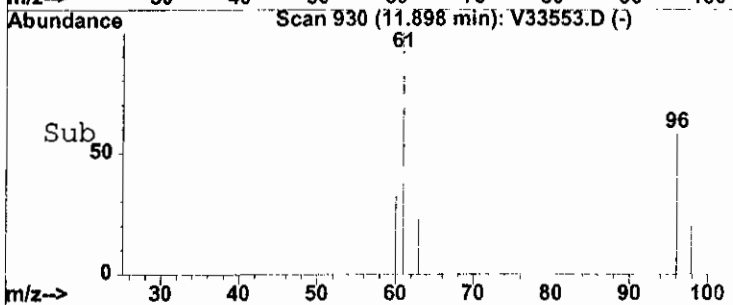
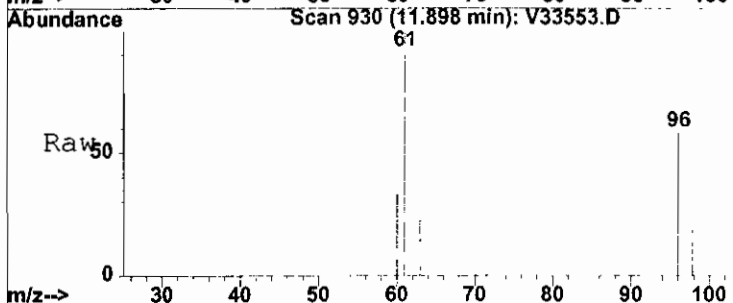
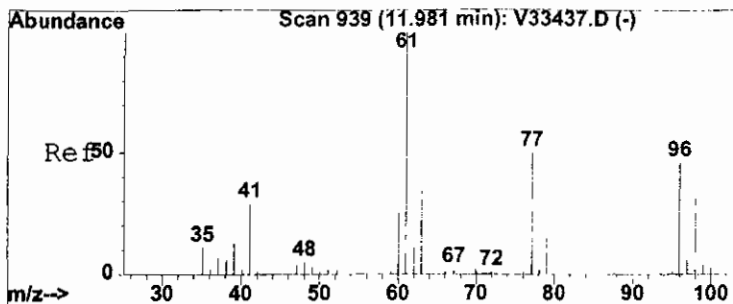


Tgt Ion: 43 Resp: 1911
 Ion Ratio Lower Upper
 43 100
 43 100.0 80.0 120.0
 58 0.0 10.8 16.2#



Abundance Ion 43.00 (42.70 to 43.70): V335
 Ion 43.00 (42.70 to 43.70): V335
 Ion 58.00 (57.70 to 58.70): V335

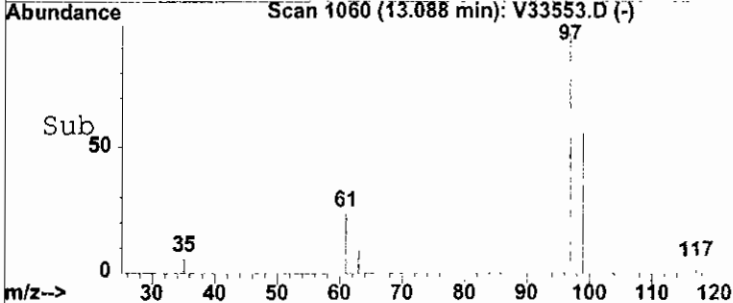
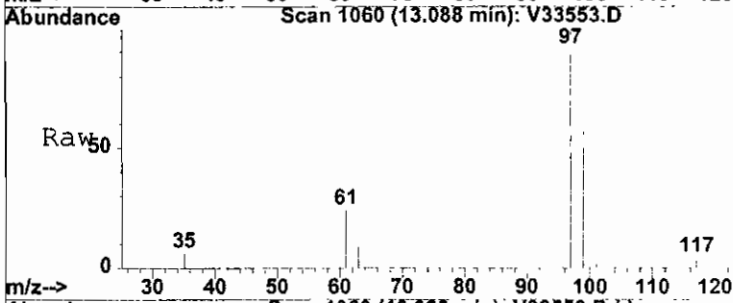
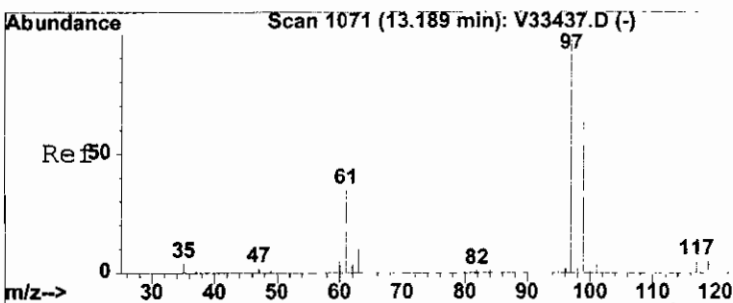
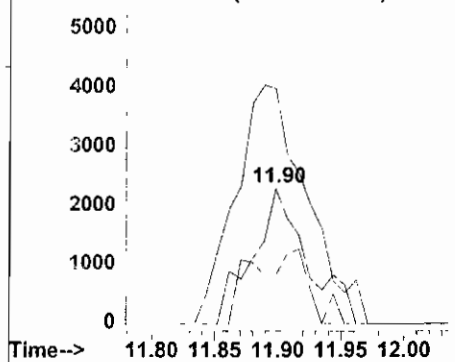




#15
 cis-1,2-Dichloroethylene
 Concen: 3.13 ppb
 RT: 11.90 min Scan# 930
 Delta R.T. -0.08 min
 Lab File: V33553.D
 Acq: 19 Apr 2001 10:51 pm

Tgt Ion: 96 Resp: 6928
 Ion Ratio Lower Upper
 96 100
 61 0.0 0.0 0.0
 98 28.1 30.9 92.7#
 96 100.0 50.0 150.0

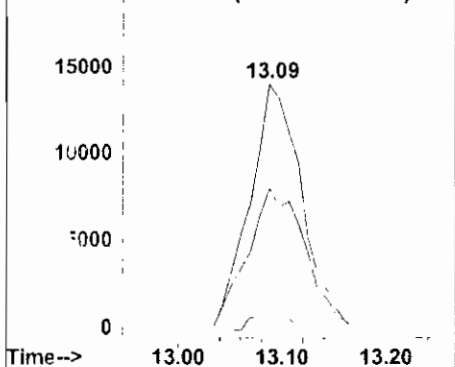
Abundance Ion 95.95 (95.65 to 96.65): V335
 Ion 61.00 (60.70 to 61.70): V335
 Ion 97.95 (97.65 to 98.65): V335
 Ion 95.95 (95.65 to 96.65): V335

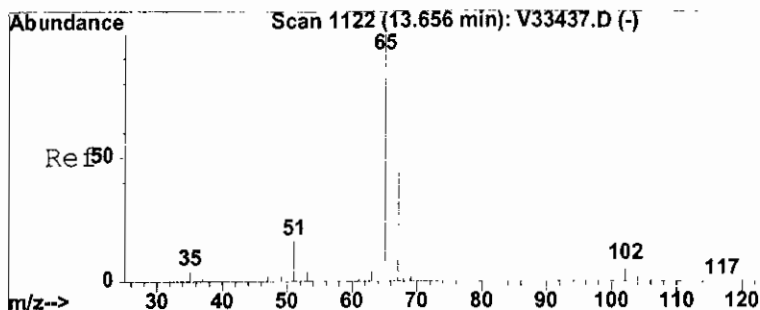


#20
 1,1,1-Trichloroethane
 Concen: 4.97 ppb
 RT: 13.09 min Scan# 1060
 Delta R.T. -0.09 min
 Lab File: V33553.D
 Acq: 19 Apr 2001 10:51 pm

Tgt Ion: 97 Resp: 48920
 Ion Ratio Lower Upper
 97 100
 97 100.0 80.0 120.0
 99 64.2 52.3 78.5
 117 0.0 4.6 6.8#

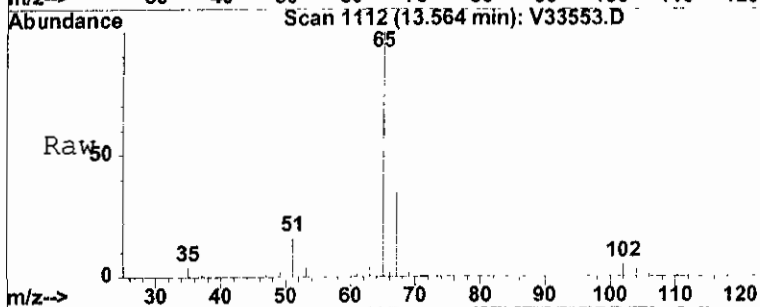
Abundance Ion 96.95 (96.65 to 97.65): V335
 Ion 96.95 (96.65 to 97.65): V335
 Ion 98.90 (98.60 to 99.60): V335
 Ion 117.00 (116.70 to 117.70): V3



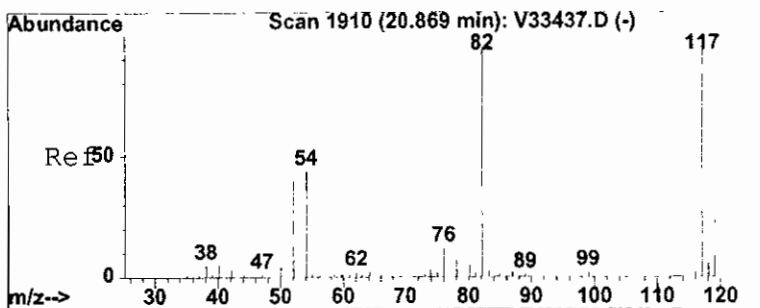
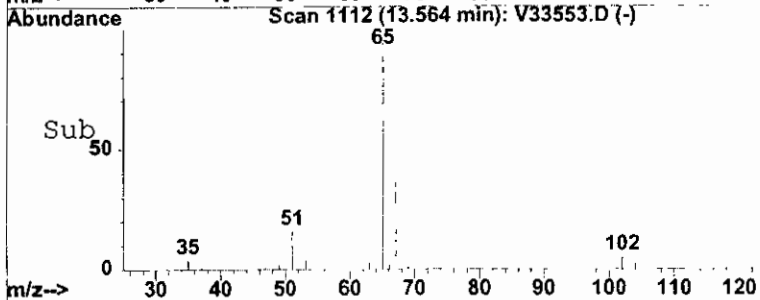
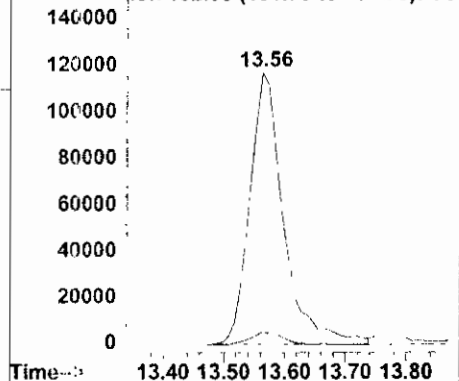


#22
d4-1,2-Dichloroethane (SURR)
Concen: 50.77 ppb
RT: 13.56 min Scan# 1112
Delta R.T. -0.11 min
Lab File: V33553.D
Acq: 19 Apr 2001 10:51 pm

Tgt Ion: 65 Resp: 454344
Ion Ratio Lower Upper
65 100
65 100.0 80.0 120.0
102 4.1 4.2 6.4#



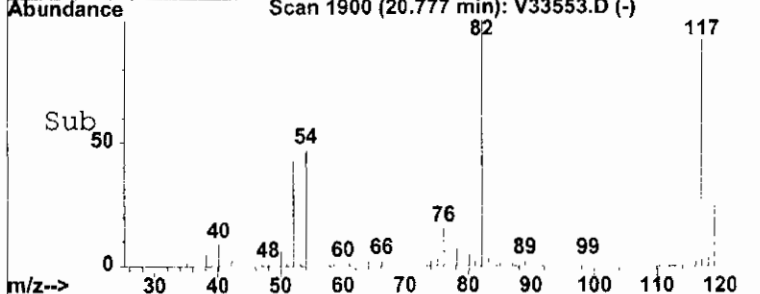
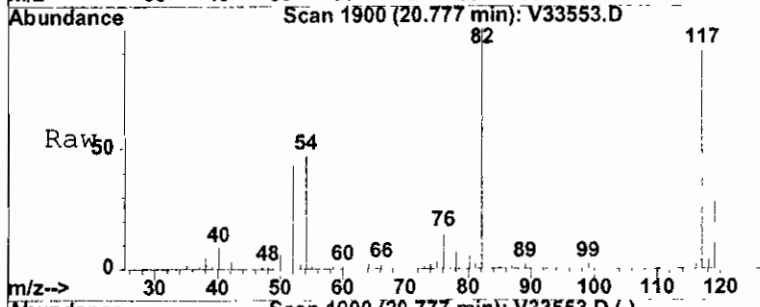
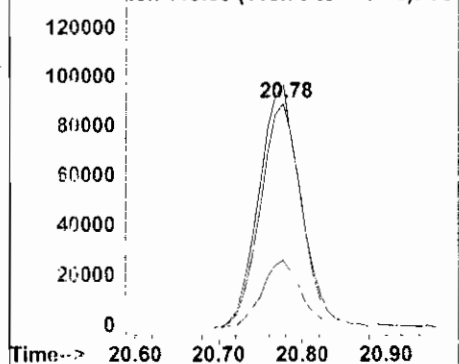
Abundance Ion 65.00 (64.70 to 65.70): V335
160000 Ion 65.00 (64.70 to 65.70): V335
Ion 102.00 (101.70 to 102.70): V3



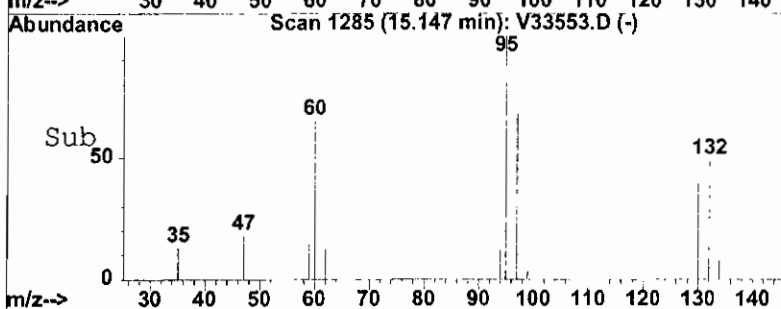
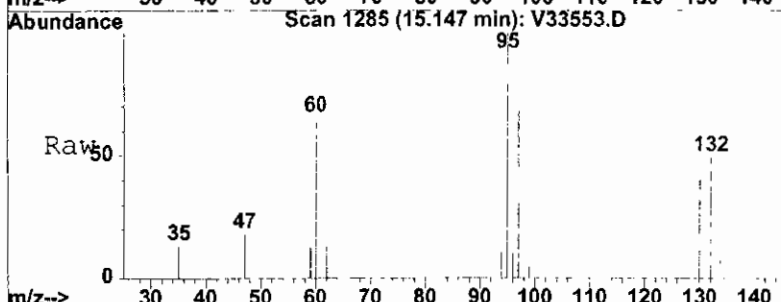
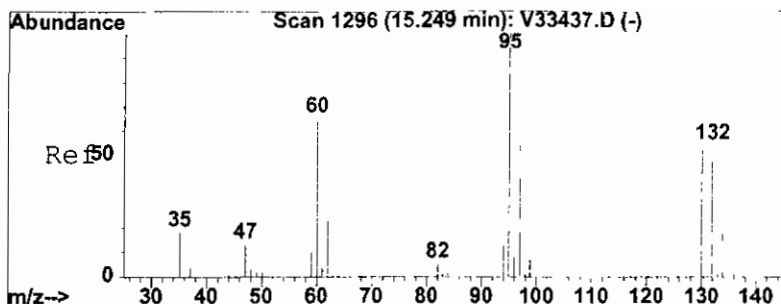
#26
CHLOROBENZENE-d5 (ISTD)
Concen: 50.00 ppb
RT: 20.78 min Scan# 1900
Delta R.T. -0.08 min
Lab File: V33553.D
Acq: 19 Apr 2001 10:51 pm

Tgt Ion: 117 Resp: 312017
Ion Ratio Lower Upper
117 100
117 100.0 80.0 120.0
82 0.0 0.0 0.0
119 28.0 22.8 34.2

Abundance Ion 117.00 (116.70 to 117.70): V3
Ion 117.00 (116.70 to 117.70): V3
Ion 82.00 (81.70 to 82.70): V335
Ion 119.00 (118.70 to 119.70): V3



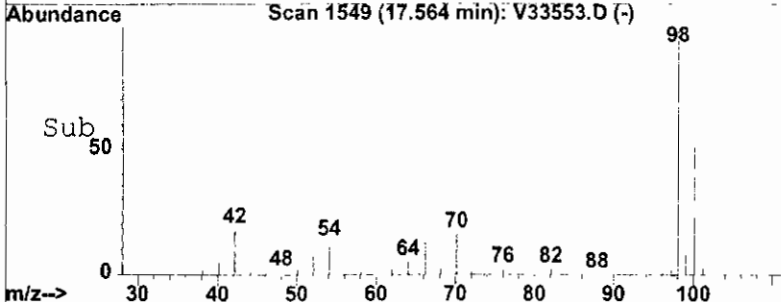
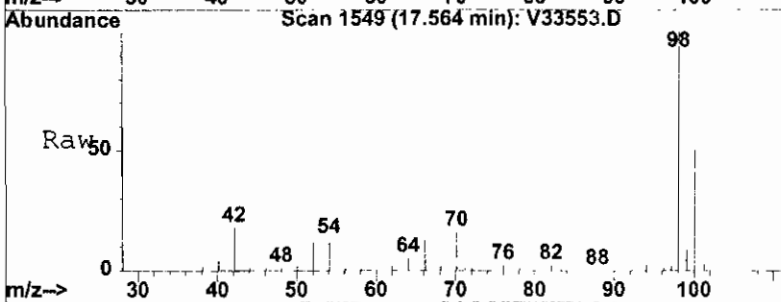
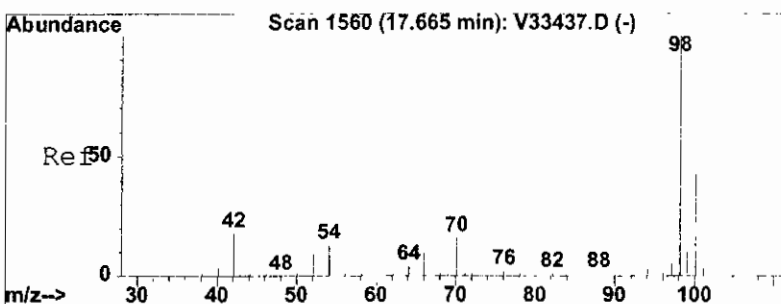
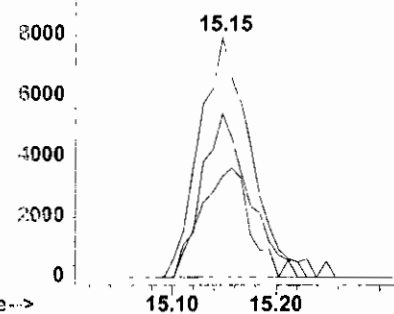
000186



#27
Trichloroethylene
Concen: 9.06 ppb
RT: 15.15 min Scan# 1285
Delta R.T. -0.08 min
Lab File: V33553.D
Acq: 19 Apr 2001 10:51 pm

Tgt Ion: 95 Resp: 26890
Ion Ratio Lower Upper
95 100
95 100.0 80.0 120.0
97 66.0 50.6 75.8
130 44.7 0.0 0.0#

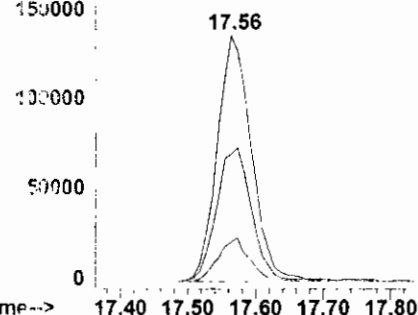
Abundance Ion 94.85 (94.55 to 95.55): V335
12000 Ion 94.85 (94.55 to 95.55): V335
10000 Ion 96.95 (96.65 to 97.65): V335
8000 Ion 129.90 (129.60 to 130.60): V3



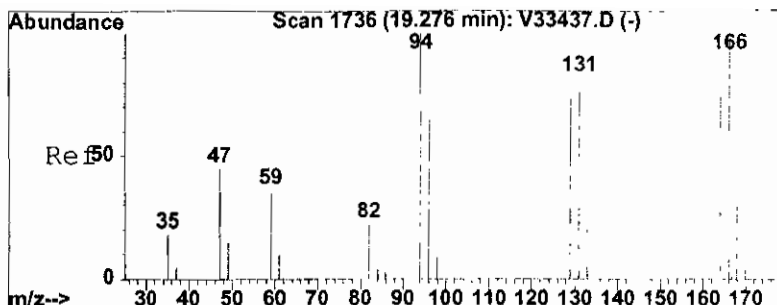
#33
Toluene-d8 (Surr)
Concen: 51.50 ppb
RT 17.56 min Scan# 1549
Delta R.T. -0.09 min
Lab File: V33553.D
Acq: 19 Apr 2001 10:51 pm

Tgt Ion: 98 Resp: 476272
Ion Ratio Lower Upper
98 100
98 100.0 80.0 120.0
100 55.2 45.0 67.4
70 16.0 0.0 0.0#

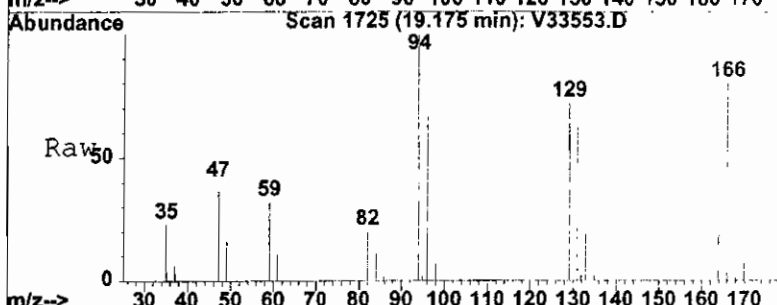
Abundance Ion 98.00 (97.70 to 98.70): V335
200000 Ion 98.00 (97.70 to 98.70): V335
150000 Ion 100.00 (99.70 to 100.70): V33
100000 Ion 70.00 (69.70 to 70.70): V335



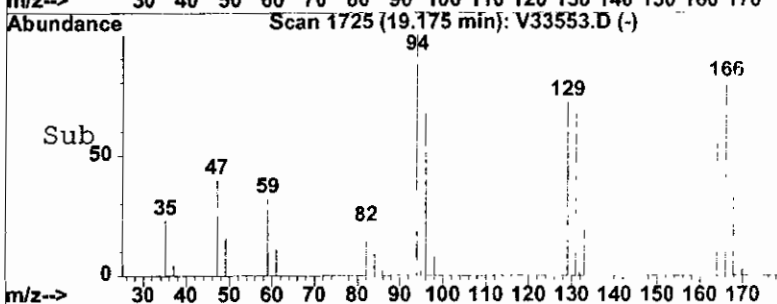
000187



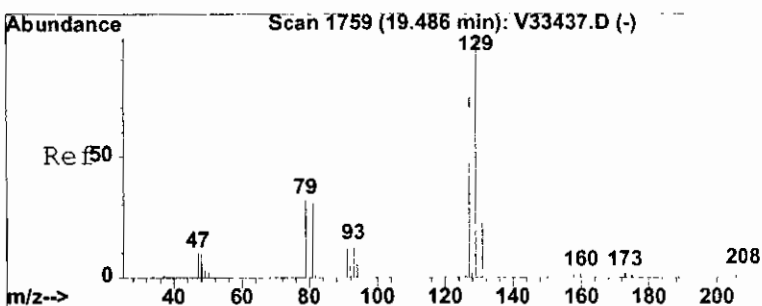
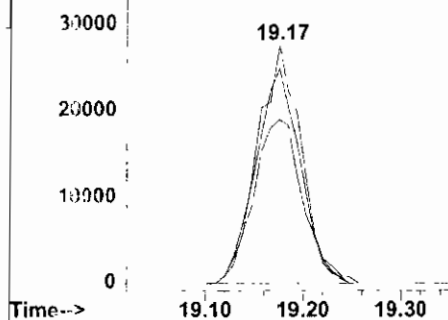
#38
Tetrachloroethylene
Concen: 43.52 ppb
RT: 19.17 min Scan# 1725
Delta R.T. -0.09 min
Lab File: V33553.D
Acq: 19 Apr 2001 10:51 pm



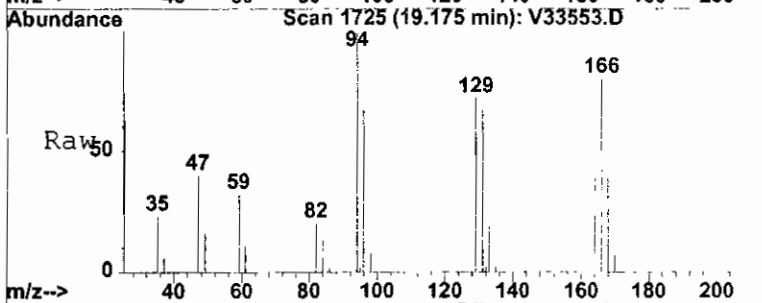
Tgt Ion:166 Resp: 87006
Ion Ratio Lower Upper
166 100
166 100.0 80.0 120.0
164 75.6 61.5 92.3
129 91.8 71.0 106.6



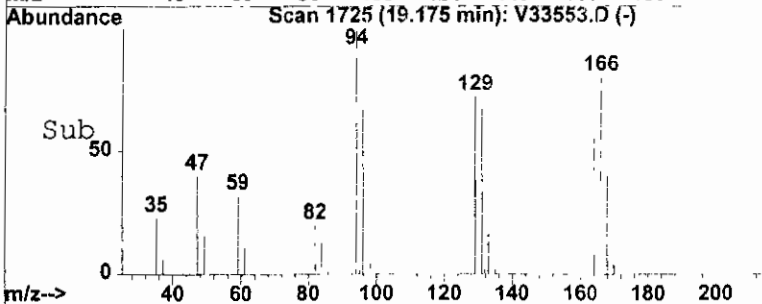
Abundance Ion 165.85 (165.55 to 166.55): V3
Ion 165.85 (165.55 to 166.55): V3
Ion 163.80 (163.50 to 164.50): V3
Ion 128.80 (128.50 to 129.50): V3



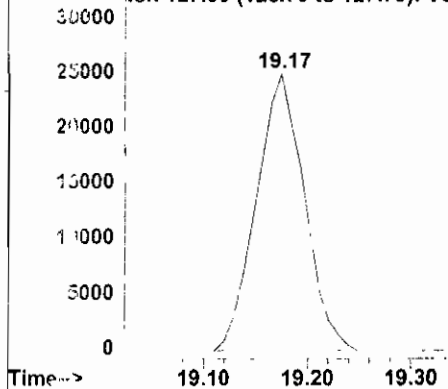
#40
Dibromochloromethane
Concen: 21.67 ppb
RT: 19.17 min Scan# 1725
Delta R.T. -0.30 min
Lab File: V33553.D
Acq: 19 Apr 2001 10:51 pm

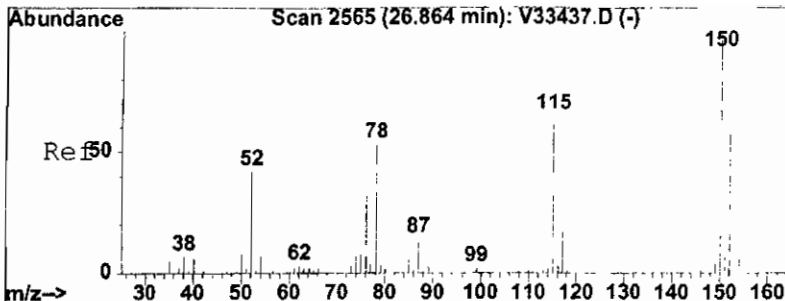


Tgt Ion:129 Resp: 79847
Ion Ratio Lower Upper
129 100
129 100.0 80.0 120.0
127 0.0 59.6 89.4#

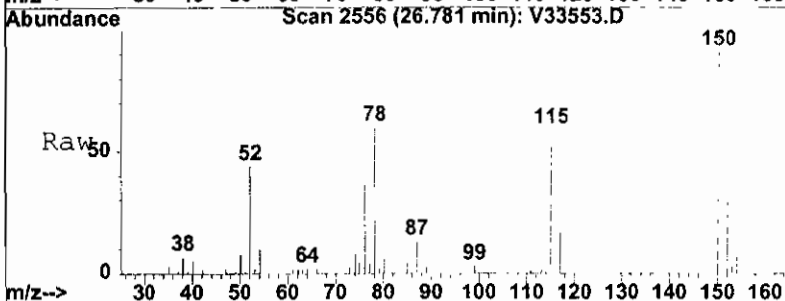


Abundance Ion 129.00 (128.70 to 129.70): V3
Ion 129.00 (128.70 to 129.70): V3
Ion 127.00 (126.70 to 127.70): V3





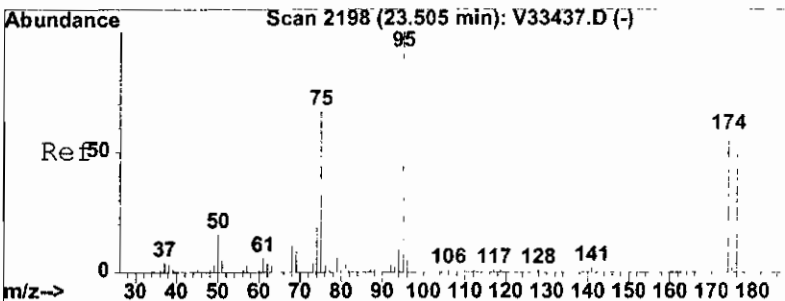
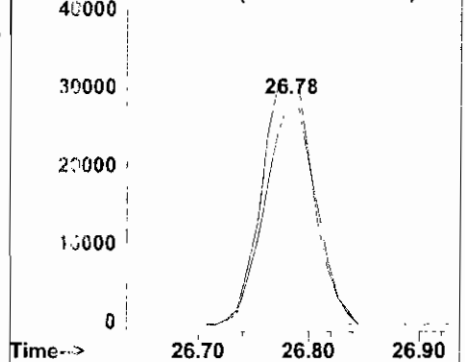
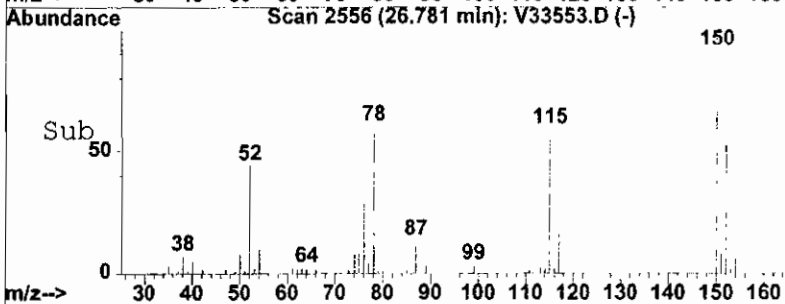
#43
1,2-DICHLOROBENZENE-d4 (ISTD)
Concen: 50.00 ppb
RT: 26.78 min Scan# 2556
Delta R.T. -0.08 min
Lab File: V33553.D
Acq: 19 Apr 2001 10:51 pm



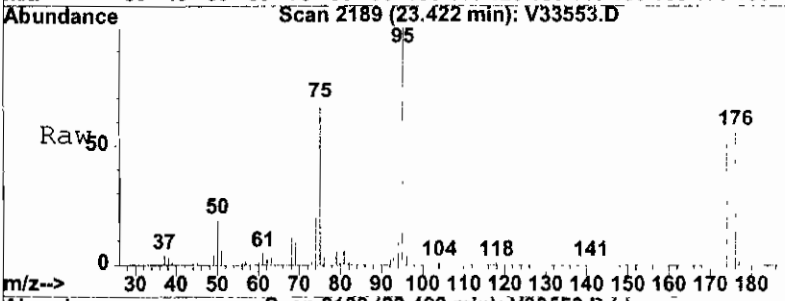
Tgt Ion: 152 Resp: 90979

Ion	Ratio	Lower	Upper
152	100		
152	100.0	80.0	120.0
152	100.0	80.0	120.0
115	0.0	0.0	0.0

Abundance Ion 152.00 (151.70 to 152.70): V3
Ion 152.00 (151.70 to 152.70): V3
Ion 152.00 (151.70 to 152.70): V3
Ion 115.00 (114.70 to 115.70): V3



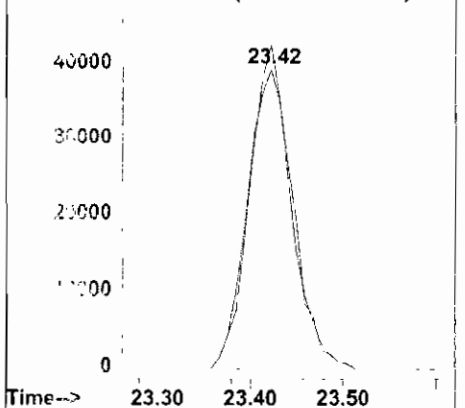
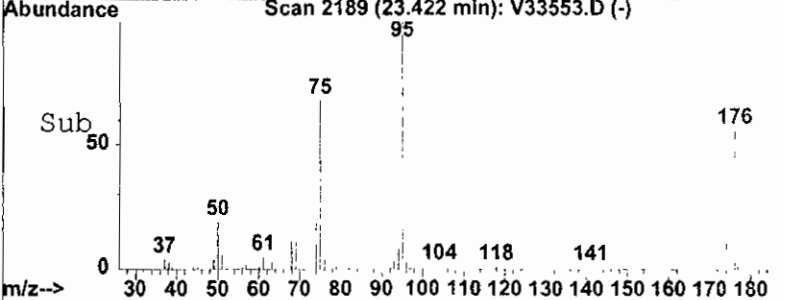
#50
p-Bromofluorobenzene (SURRE)
Concen: 62.45 ppb
RT: 23.42 min Scan# 2189
Delta R.T. -0.08 min
Lab File: V33553.D
Acq: 19 Apr 2001 10:51 pm



Tgt Ion: 174 Resp: 133729

Ion	Ratio	Lower	Upper
174	100		
174	108.4	74.0	111.0

Abundance Ion 174.00 (173.70 to 174.70): V3
Ion 176.00 (175.70 to 176.70): V3



Data File : C:\HPCHEM\1\DATA\V33554.D

Vial: 15

Acq On : 19 Apr 2001 11:31 pm

Operator: BB

Sample : 01040168-04 \$8260W ASPB

Inst : VOA No. 2

Misc : QBV2041901A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Apr 20 0:03 19101

Quant Results File: V2C71W.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C71W.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Mon Apr 16 08:02:01 2001

Response via : Initial Calibration

DataAcq Meth : V2C71W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.31	70	142078	50.00	ppb	-0.08
26) CHLOROBENZENE-d5(ISTD)	20.78	117	307309	50.00	ppb	-0.08
48) 1,2-DICHLOROBENZENE-d4(IST	26.78	152	94299	50.00	ppb	-0.08

System Monitoring Compounds

22) d4-1,2-Dichloroethane(SURR	13.57	65	468322	51.93	ppb	-0.10
Spiked Amount	50.000	Range	67 - 128	Recovery	=	103.86%
33) Toluene-d8(SURR)	17.57	98	489704	53.77	ppb	-0.08
Spiked Amount	50.000	Range	87 - 113	Recovery	=	107.54%
50) p-Bromofluorobenzene(SURR)	23.43	174	131880	59.42	ppb	-0.07
Spiked Amount	50.000	Range	63 - 166	Recovery	=	118.84%

Target Compounds

						Qvalue
12) tert-Butyl Methyl Ether (M	9.73	73	79119	~~6.65~~	ppb	99
13) Acetone	7.93	43	1900	~~1.90~~	ppb	# 96

G

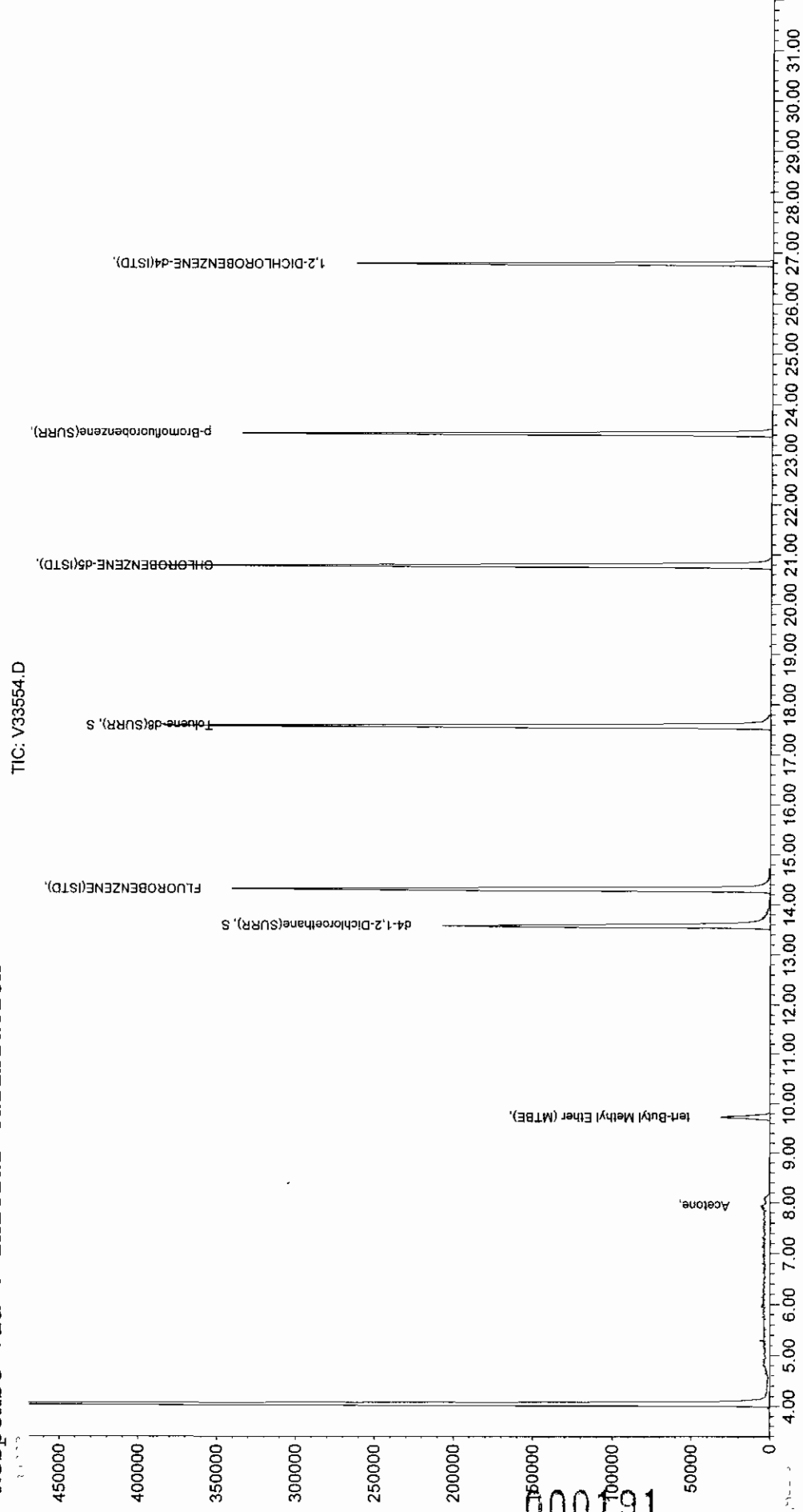
Quantitat' n Report

Data File : C:\HPCHEM\1\DATA\V33554.D
 Acq On : 19 Apr 2001 11:31 pm
 Sample : 01040168-04 \$8260W ASPB
 Misc : QBV2041901A
 MS Integration Params: rteint.p
 Quant Time: Apr 20 0:03 19101

Vial: 15
 Operator: BB
 Inst : VOA No. 2
 Multiplr: 1.00

Quant Results File: V2C71W.RES

Method : C:\HPCHEM\1\METHODS\V2C71W.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Mon Apr 16 08:02:01 2001
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\V33554.D
 Acq On : 19 Apr 2001 11:31 pm
 Sample : 01040168-04 \$8260W ASPB
 Misc : QBV2041901A
 MS Integration Params: rteint.p
 Quant Time: Apr 20 0:03 19101

Vial: 15
 Operator: BB
 Inst : VOA No. 2
 Multiplr: 1.00

Quant Results File: V2C71W.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C71W.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Mon Apr 16 08:02:01 2001
 Response via : Initial Calibration
 DataAcq Meth : V2C71W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.31	70	142078	50.00	ppb	-0.08
26) CHLOROBENZENE-d5(ISTD)	20.78	117	307309	50.00	ppb	-0.08
48) 1,2-DICHLOROBENZENE-d4(ISTD)	26.78	152	94299	50.00	ppb	-0.08

System Monitoring Compounds

22) d4-1,2-Dichloroethane(SURR)	13.57	65	468322	51.93	ppb	-0.10
Spiked Amount	50.000	Range	67 - 128	Recovery	=	103.86%
33) Toluene-d8(SURR)	17.57	98	489704	53.77	ppb	-0.08
Spiked Amount	50.000	Range	87 - 113	Recovery	=	107.54%
50) p-Bromofluorobenzene(SURR)	23.43	174	131850	59.42	ppb	-0.07
Spiked Amount	50.000	Range	63 - 166	Recovery	=	118.84%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
12) tert-Butyl Methyl Ether (M)	9.73	73	79119	6.65	ppb	99
13) Acetone	7.93	43	1900	1.90	ppb	# 96

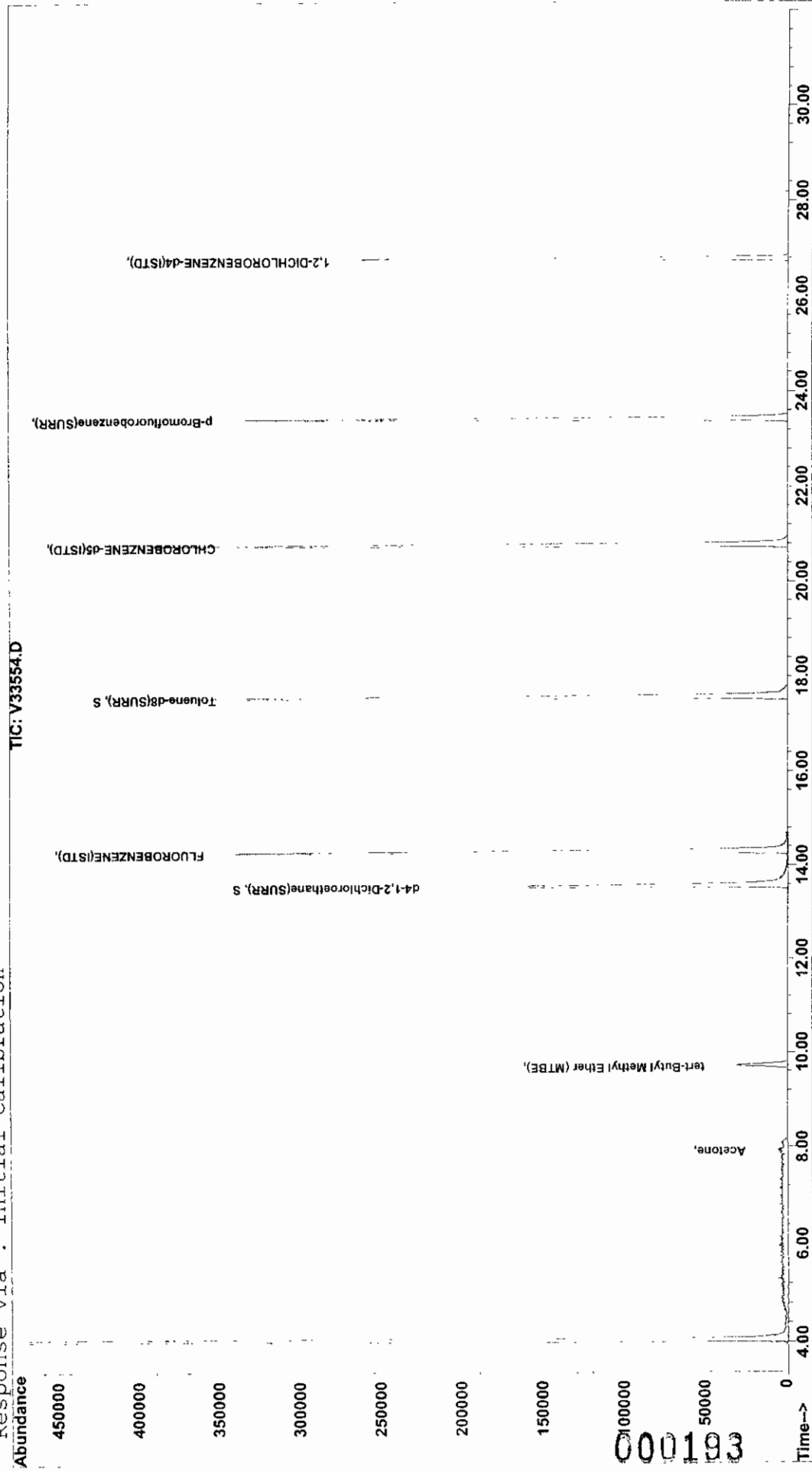
Quantitative Report

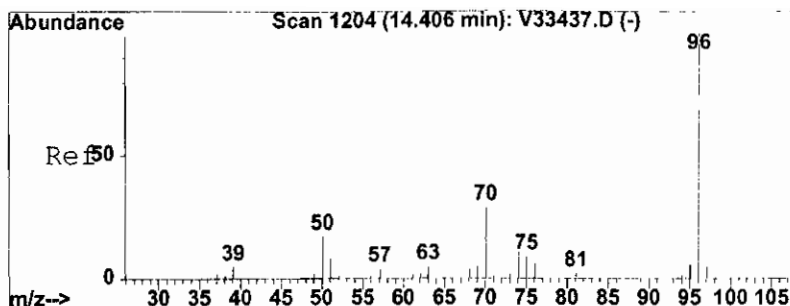
Data File : C:\HPCHEM\1\DATA\V33554.D
 Acq On : 19 Apr 2001 11:31 pm
 Sample : 01040168-04 \$8260W ASPB
 Misc : QBV2041901A
 MS Integration Params: rteint.p
 Quant Time: Apr 20 0:03 19101

Vial: 15
 Operator: BB
 Inst : VOA No. 2
 Multiplr: 1.00

Quant Results File: V2C71W.RES

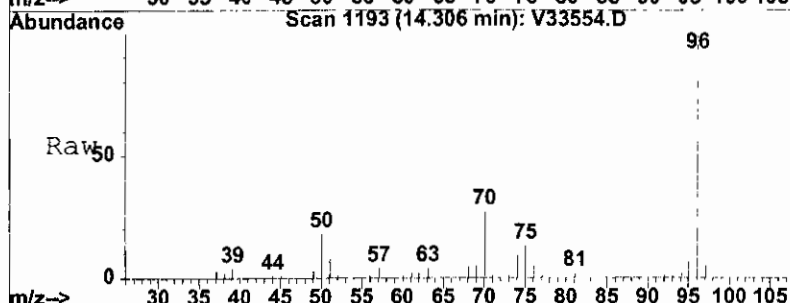
Method : C:\HPCHEM\1\METHODS\V2C71W.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Mon Apr 16 08:02:01 2001
 Response via : Initial Calibration



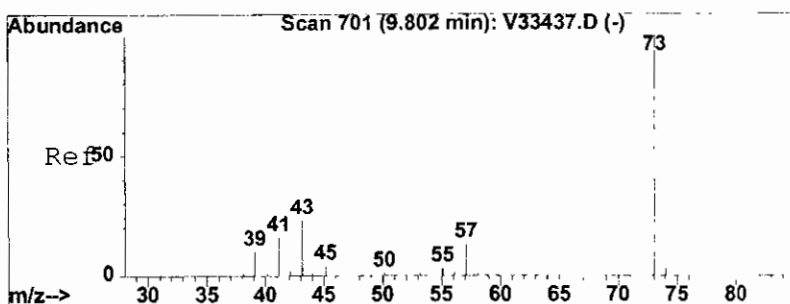
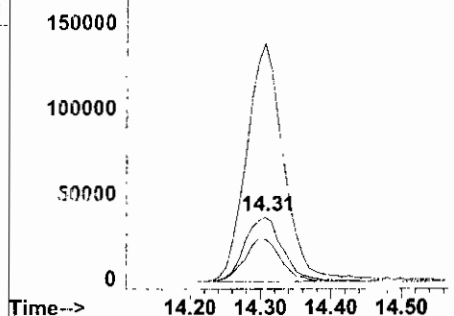
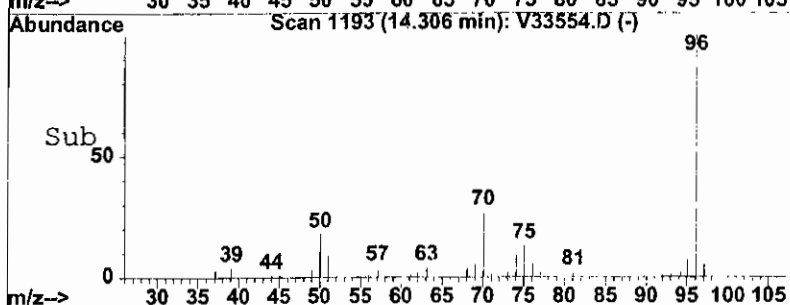


#1
 FLUOROBENZENE (ISTD)
 Concen: 50.00 ppb
 RT: 14.31 min Scan# 1193
 Delta R.T. -0.08 min
 Lab File: V33554.D
 Acq: 19 Apr 2001 11:31 pm

Tgt Ion: 70 Resp: 142078
 Ion Ratio Lower Upper
 70 100
 96 362.6 300.1 450.1
 70 100.0 80.0 120.0
 50 0.0 50.2 75.2 #

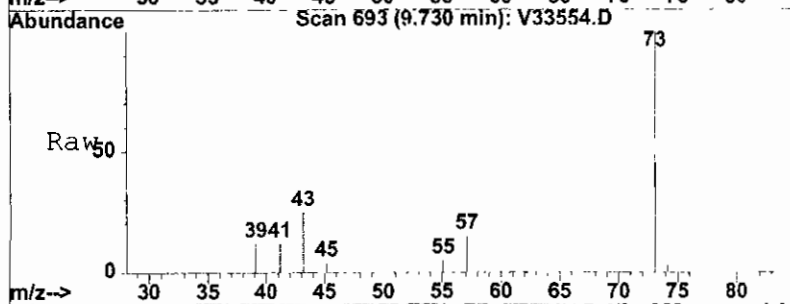


Abundance Ion 70.00 (69.70 to 70.70): V335
 Ion 96.00 (95.70 to 96.70): V335
 200000 Ion 70.00 (69.70 to 70.70): V335
 Ion 50.00 (49.70 to 50.70): V335

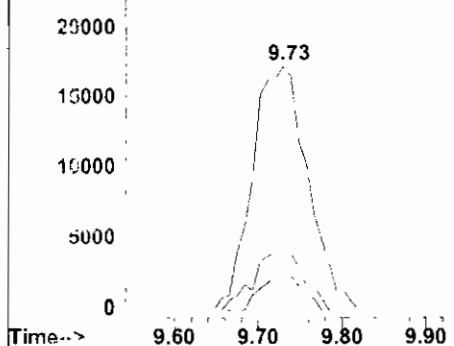
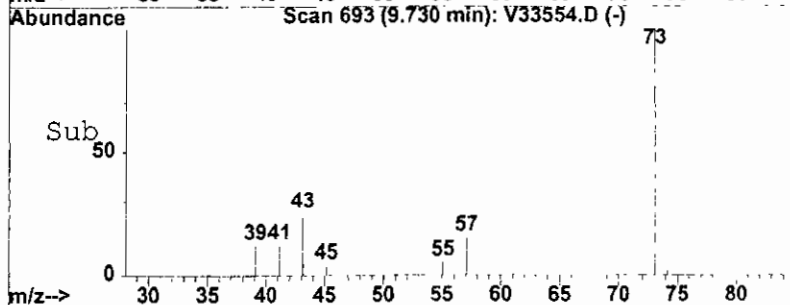


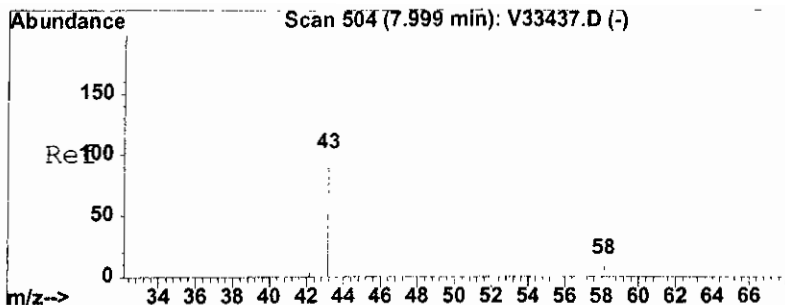
#12
 tert-Butyl Methyl Ether (MTBE)
 Concen: 6.65 ppb
 RT 9.73 min Scan# 693
 Delta R.T. -0.07 min
 Lab File: V33554.D
 Acq: 19 Apr 2001 11:31 pm

Tgt Ion: 73 Resp: 79119
 Ion Ratio Lower Upper
 73 100
 73 100.0 80.0 120.0
 43 22.2 19.2 28.8
 57 10.7 9.6 14.4



Abundance Ion 73.00 (72.70 to 73.70): V335
 Ion 73.00 (72.70 to 73.70): V335
 25000 Ion 43.00 (42.70 to 43.70): V335
 Ion 57.00 (56.70 to 57.70): V335

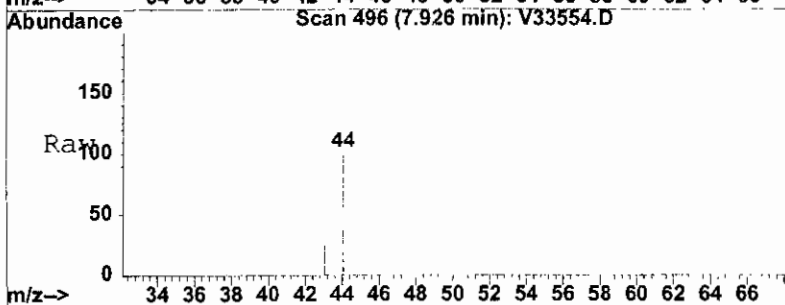




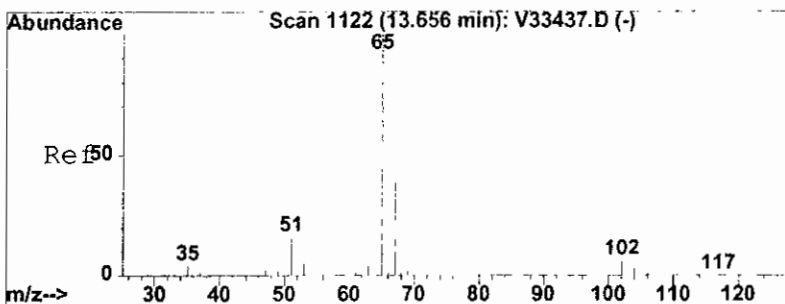
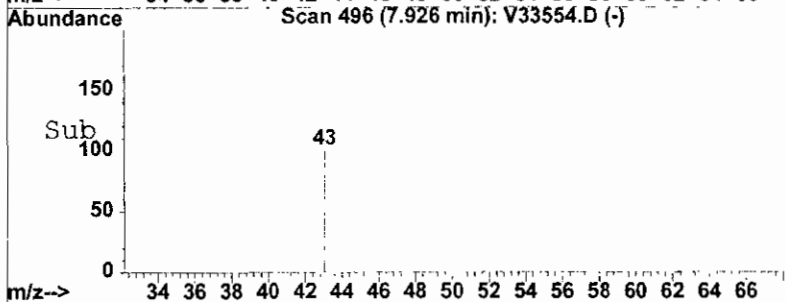
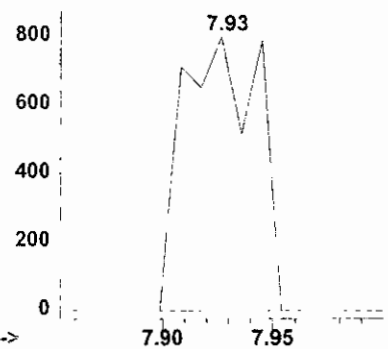
#13
Acetone
Concen: 1.90 ppb
RT: 7.93 min Scan# 496
Delta R.T. -0.06 min
Lab File: V33554.D
Acq: 19 Apr 2001 11:31 pm

Tgt Ion: 43 Resp: 1900

Ion	Ratio	Lower	Upper
43	100		
43	100.0	80.0	120.0
58	0.0	10.8	16.2#



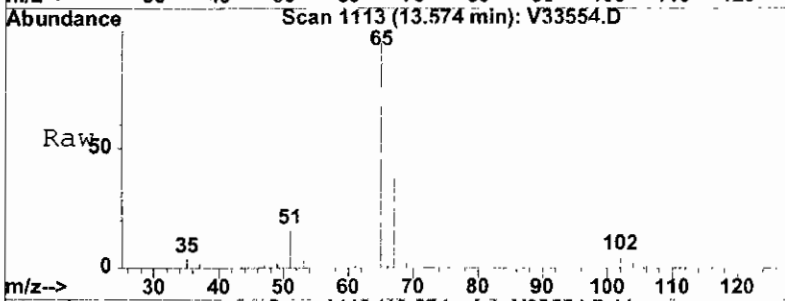
Abundance Ion 43.00 (42.70 to 43.70): V335
Ion 43.00 (42.70 to 43.70): V335
Ion 58.00 (57.70 to 58.70): V335



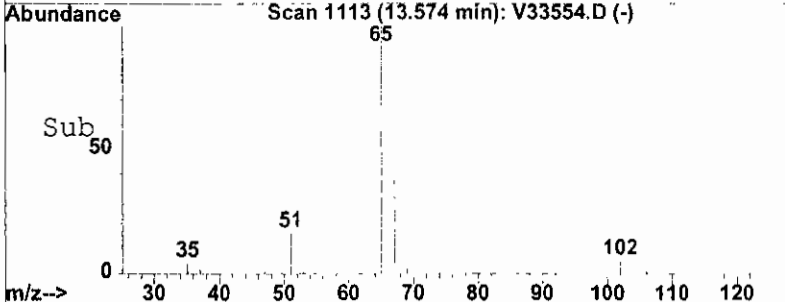
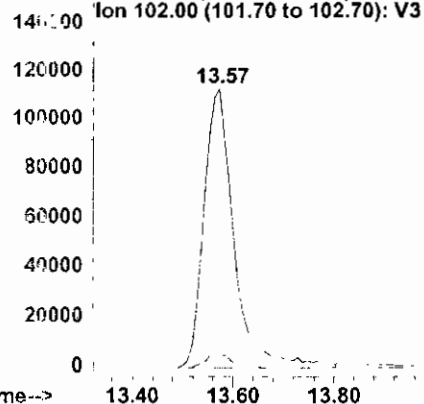
#22
d4-1,2-Dichloroethane (SURR)
Concen: 51.93 ppb
RT: 13.57 min Scan# 1113
Delta R.T. -0.10 min
Lab File: V33554.D
Acq: 19 Apr 2001 11:31 pm

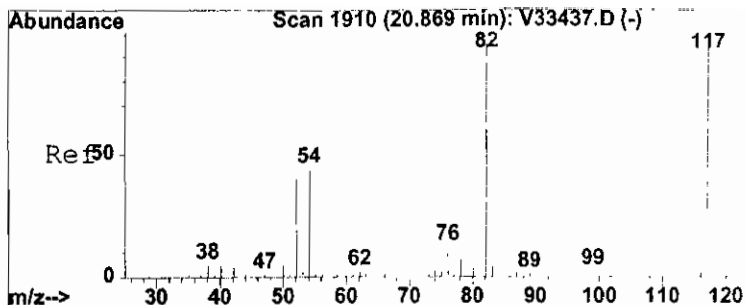
Tgt Ion: 65 Resp: 468322

Ion	Ratio	Lower	Upper
65	100		
65	100.0	80.0	120.0
102	4.3	4.2	6.4

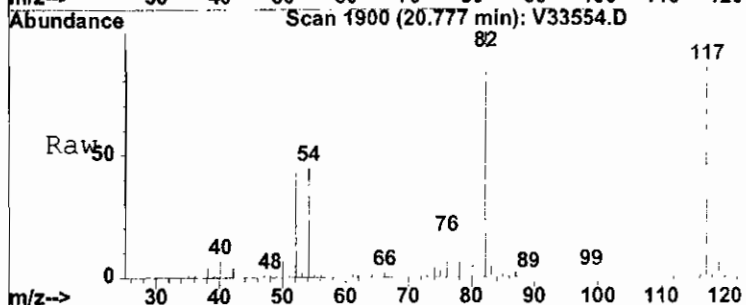


Abundance Ion 65.00 (64.70 to 65.70): V335
Ion 65.00 (64.70 to 65.70): V335
Ion 102.00 (101.70 to 102.70): V3



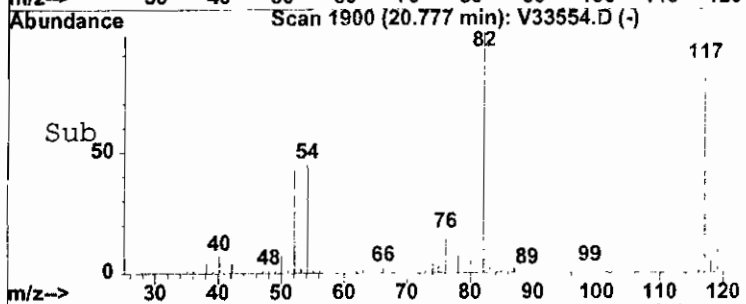


#26
 CHLOROBENZENE-d5 (ISTD)
 Concen: 50.00 ppb
 RT: 20.78 min Scan# 1900
 Delta R.T. -0.08 min
 Lab File: V33554.D
 Acq: 19 Apr 2001 11:31 pm



Tgt Ion: 117 Resp: 307309

Ion	Ratio	Lower	Upper
117	100		
117	100.0	80.0	120.0
82	0.0	0.0	0.0
119	28.5	22.8	34.2



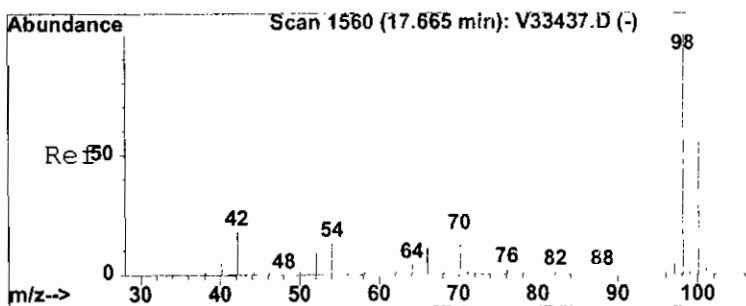
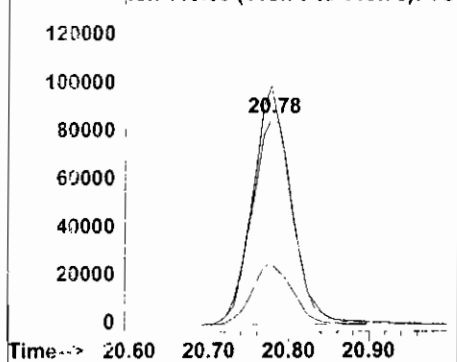
Abundance

Ion 117.00 (116.70 to 117.70): V3

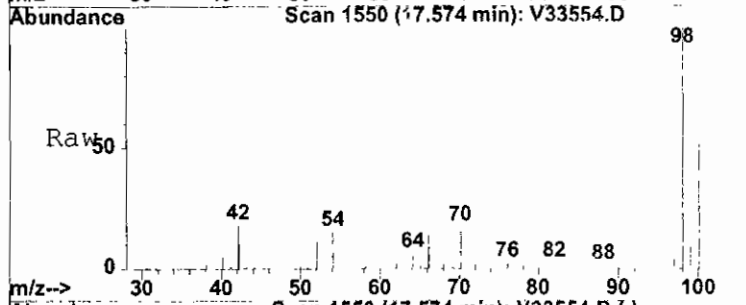
Ion 117.00 (116.70 to 117.70): V3

Ion 82.00 (81.70 to 82.70): V335

Ion 119.00 (118.70 to 119.70): V3

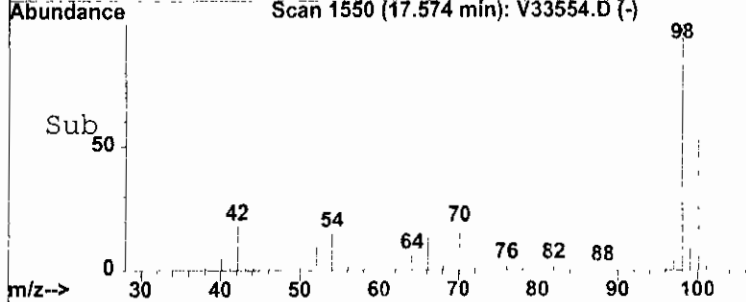


#30
 Toluene-d8 (SURR)
 Concen: 53.77 ppb
 RT: 17.57 min Scan# 1550
 Delta R.T. -0.08 min
 Lab File: V33554.D
 Acq: 19 Apr 2001 11:31 pm



Tgt Ion: 98 Resp: 489704

Ion	Ratio	Lower	Upper
98	100		
98	100.0	80.0	120.0
100	55.0	45.0	67.4
70	0.0	0.0	0.0



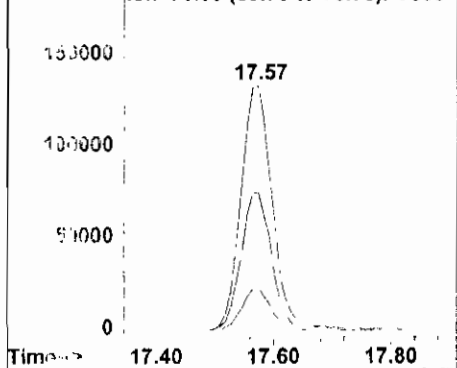
Abundance

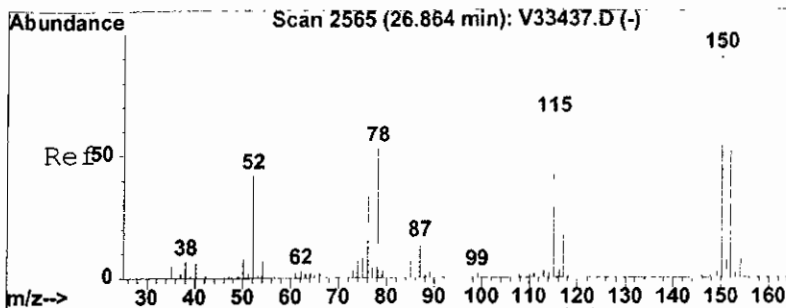
Ion 98.00 (97.70 to 98.70): V335

Ion 98.00 (97.70 to 98.70): V335

Ion 100.00 (99.70 to 100.70): V33

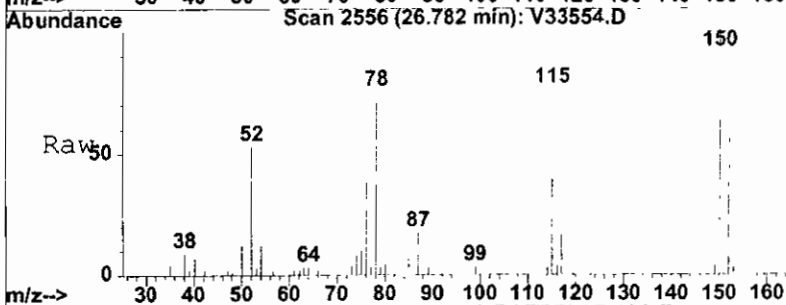
Ion 70.00 (69.70 to 70.70): V335



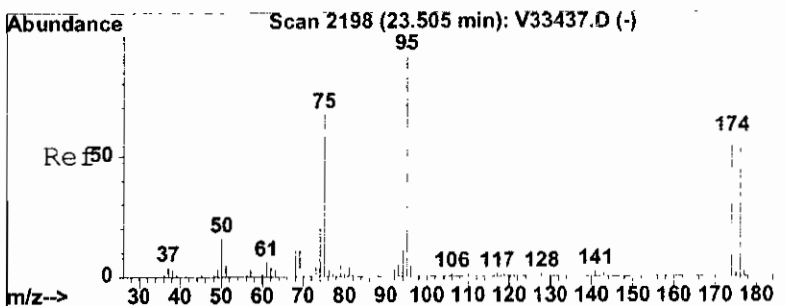
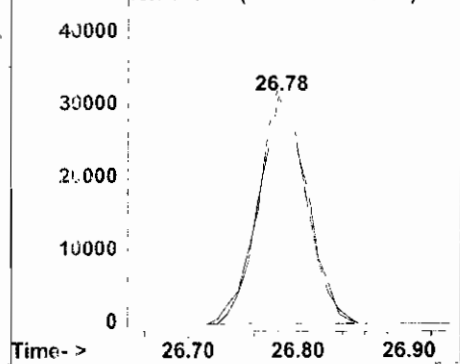
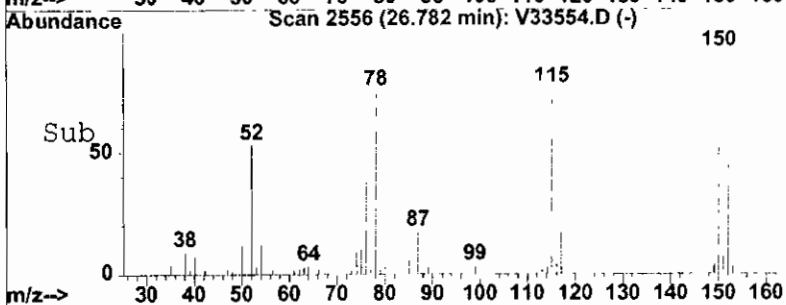


#48
1,2-DICHLOROBENZENE-d4 (ISTD)
Concen: 50.00 ppb
RT: 26.78 min Scan# 2556
Delta R.T. -0.08 min
Lab File: V33554.D
Acq: 19 Apr 2001 11:31 pm

Tgt Ion: 152 Resp: 94299
Ion Ratio Lower Upper
152 100
132 100.0 80.0 120.0
152 100.0 80.0 120.0
115 0.0 0.0 0.0

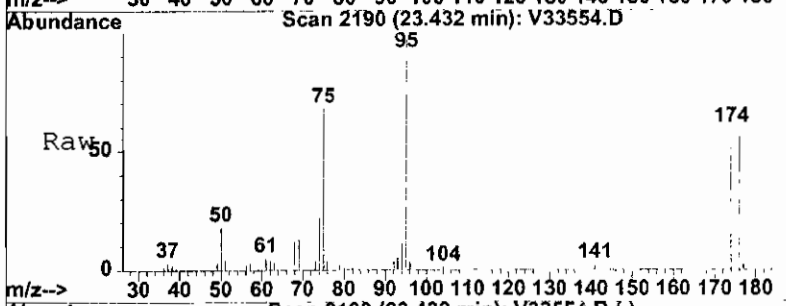


Abundance Ion 152.00 (151.70 to 152.70): V3
50000 Ion 152.00 (151.70 to 152.70): V3
Ion 152.00 (151.70 to 152.70): V3
Ion 115.00 (114.70 to 115.70): V3

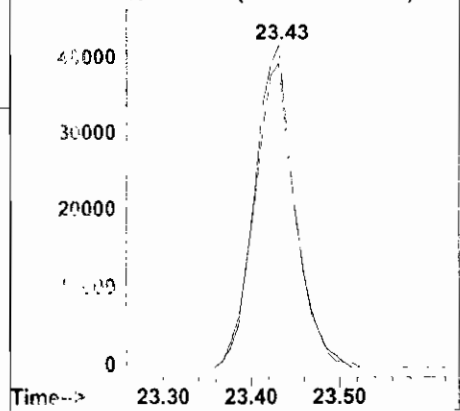
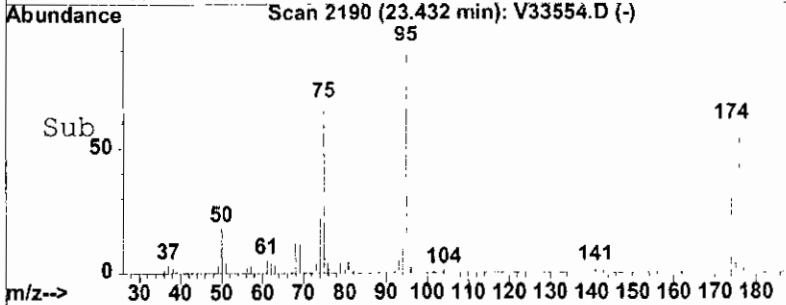


#50
p-Bromofluorobenzene (SURR)
Concen: 59.42 ppb
RT: 23.43 min Scan# 2190
Delta R.T. -0.07 min
Lab File: V33554.D
Acq: 19 Apr 2001 11:31 pm

Tgt Ion: 174 Resp: 131880
Ion Ratio Lower Upper
174 100
176 94.3 74.0 111.0



Abundance Ion 174.00 (173.70 to 174.70): V3
50000 Ion 176.00 (175.70 to 176.70): V3



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\V33555.D
Acq On : 20 Apr 2001 12:11 am
Sample : 01040168-05 \$8260W ASPB
Misc : QBV2041901A
MS Integration Params: rteint.p
Quant Time: Apr 20 7:33 19101

Vial: 16
Operator: BB
Inst : VOA No. 2
Multiplr: 1.00

Quant Results File: V2C71W.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C71W.M (RTE Integrator)
Title : VOCs BY GC/MS 8240/8260
Last Update : Mon Apr 16 08:02:01 2001
Response via : Initial Calibration
DataAcq Meth : V2C71W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.29	70	137503m	50.00	ppb	-0.10
26) CHLOROBENZENE-d5(ISTD)	20.76	117	308627m	50.00	ppb	-0.10
48) 1,2-DICHLOROBENZENE-d4(IST	26.77	152	90126	50.00	ppb	-0.09

System Monitoring Compounds

22) d4-1,2-Dichloroethane(SURR	13.56	65	463193m	53.05	ppb	-0.12
Spiked Amount	50.000	Range	67 - 128	Recovery	=	106.10%
33) Toluene-d8(SURR)	17.56	98	467434	51.10	ppb	-0.10
Spiked Amount	50.000	Range	87 - 113	Recovery	=	102.20%
50) p-Bromofluorobenzene(SURR)	23.41	174	134831	63.56	ppb	-0.08
Spiked Amount	50.000	Range	63 - 166	Recovery	=	127.12%

Target Compounds

Qvalue

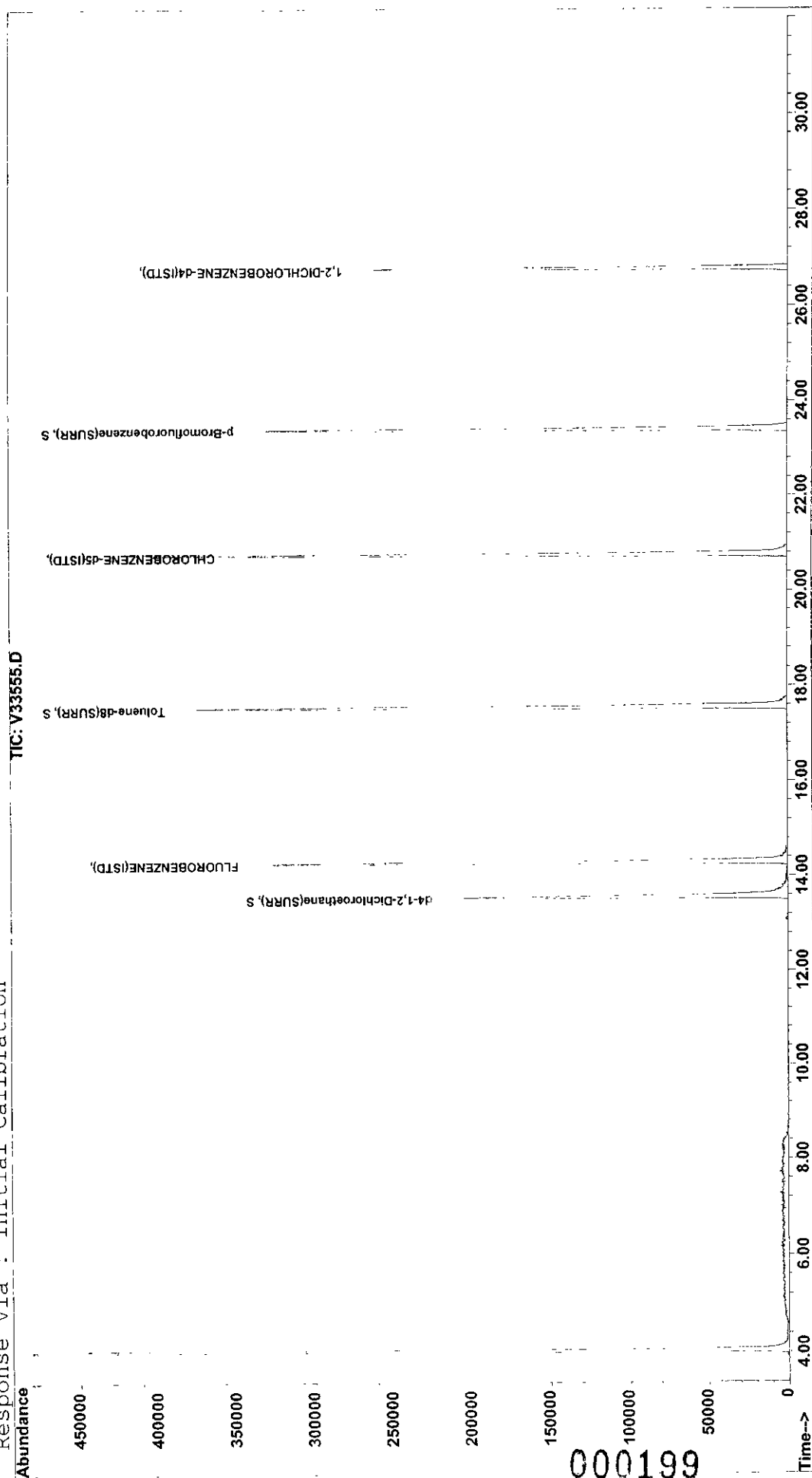
Quantitati Report

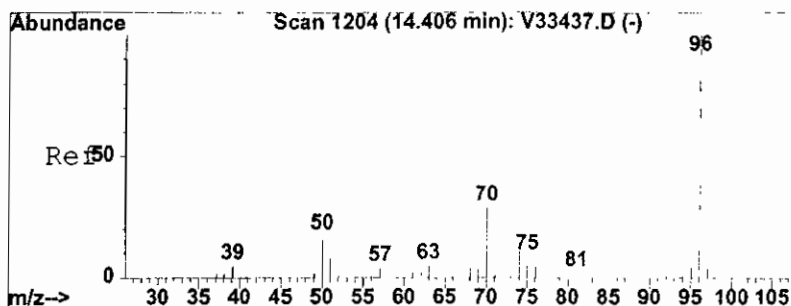
Data File : C:\HPCHEM\1\DATA\V33555.D
 Acq On : 20 Apr 2001 12:11 am
 Sample : 01040168-05 \$8260W ASPB
 Misc : QBV2041901A
 MS Integration Params: rteint.p
 Quant Time: Apr 20 7:33 19101

Vial: 16
 Operator: BB
 Inst : VOA No. 2
 Multiplr: 1.00

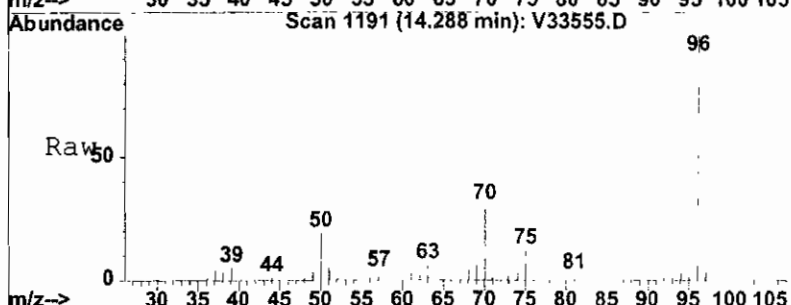
Quant Results File: V2C71W.RES

Method : C:\HPCHEM\1\METHODS\V2C71W.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Mon Apr 16 08:02:01 2001
 Response via : Initial Calibration

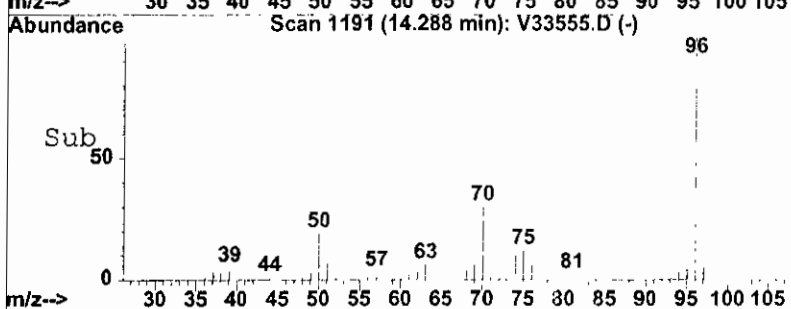




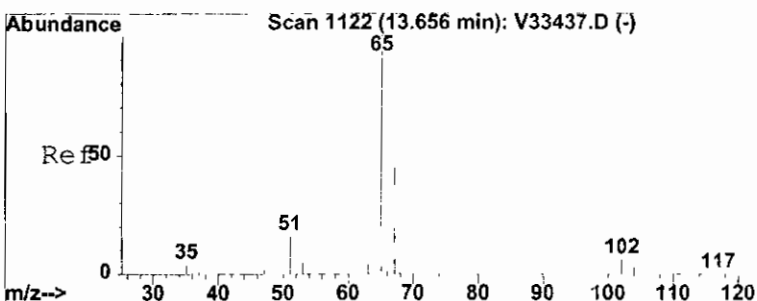
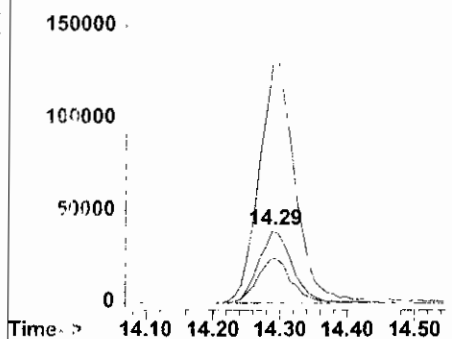
#1
 FLUOROBENZENE (ISTD)
 Concen: 50.00 ppb m
 RT: 14.29 min Scan# 1191
 Delta R.T. -0.10 min
 Lab File: V33555.D
 Acq: 20 Apr 2001 12:11 am



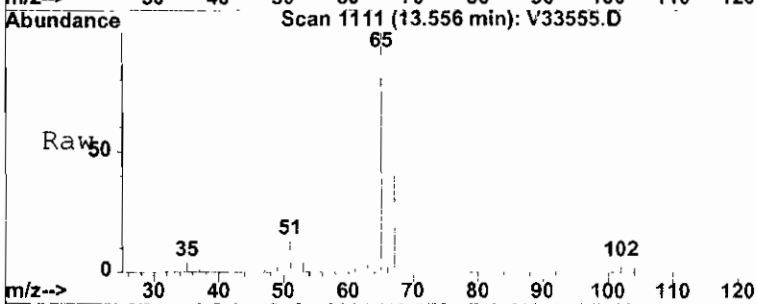
Tgt Ion: 70 Resp: 137569
 Ion Ratio Lower Upper
 70 100
 96 0.0 300.1 450.1#
 70 0.6 80.0 120.0#
 50 0.0 50.2 75.2#



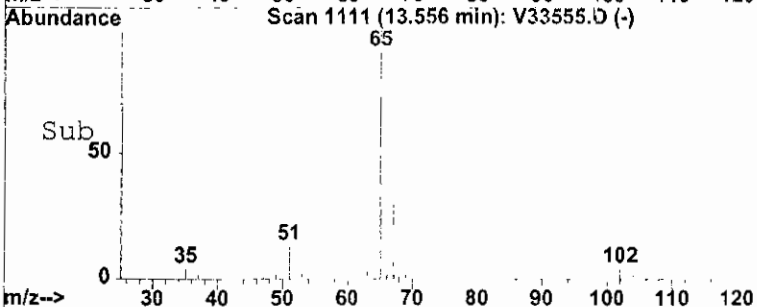
Abundance Ion 70.00 (69.70 to 70.70): V335
 200000 Ion 96.00 (95.70 to 96.70): V335
 Ion 70.00 (69.70 to 70.70): V335
 Ion 50.00 (49.70 to 50.70): V335



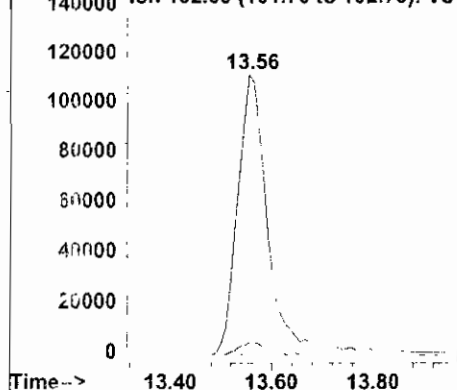
#22
 d4-1,2-Dichloroethane (SURR)
 Concen: 53.05 ppb m
 RT: 13.56 min Scan# 1111
 Delta R.T. -0.12 min
 Lab File: V33555.D
 Acq: 20 Apr 2001 12:11 am

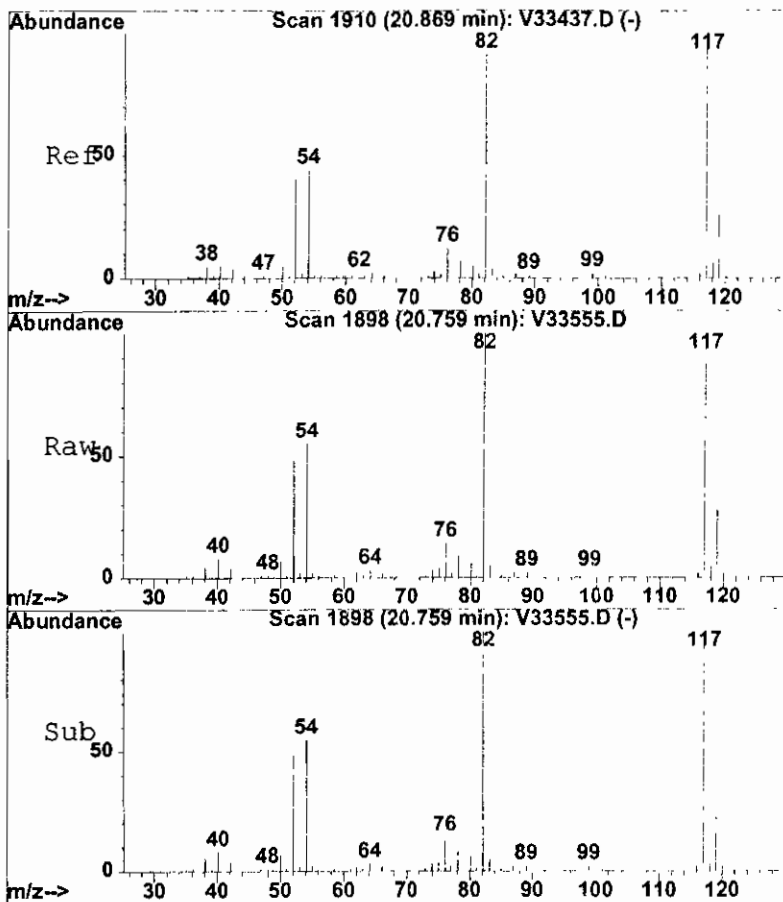


Tgt Ion: 65 Resp: 463193
 Ion Ratio Lower Upper
 65 100
 65 0.6 80.0 120.0#
 102 0.0 4.2 6.4#



Abundance Ion 65.00 (64.70 to 65.70): V335
 Ion 65.00 (64.70 to 65.70): V335
 Ion 102.00 (101.70 to 102.70): V3

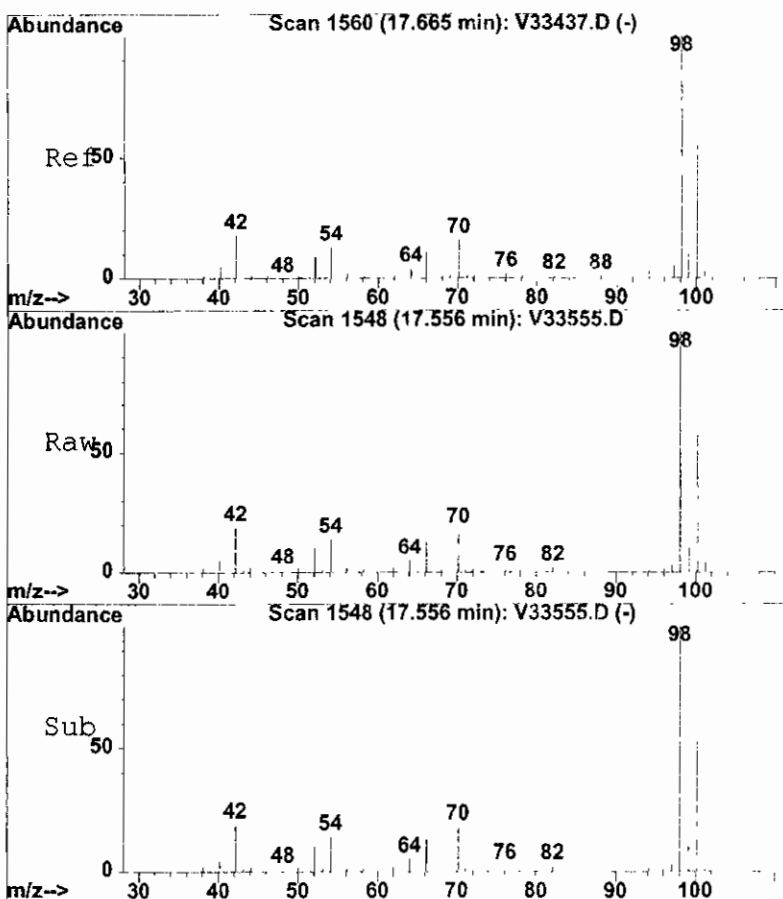
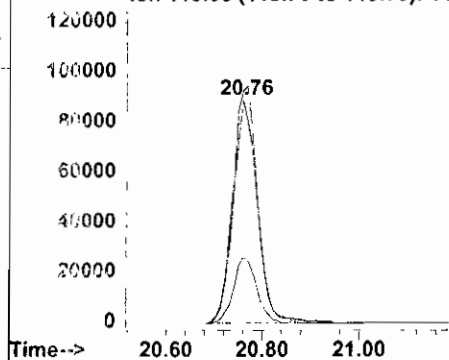




#26
 CHLOROBENZENE-d5 (ISTD)
 Concen: 50.00 ppb m
 RT: 20.76 min Scan# 1898
 Delta R.T. -0.10 min
 Lab File: V33555.D
 Acq: 20 Apr 2001 12:11 am

Tgt Ion: 117 Resp: 308627
 Ion Ratio Lower Upper
 117 100
 117 67.2 80.0 120.0#
 82 69.5 0.0 0.0#
 119 19.3 22.8 34.2#

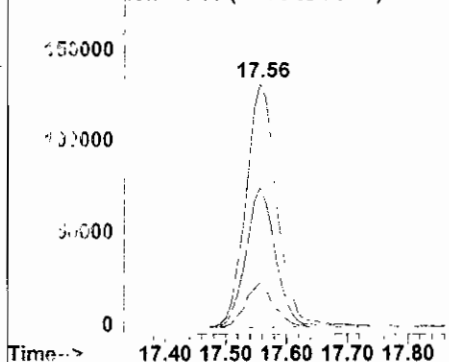
Abundance Ion 117.00 (116.70 to 117.70): V3
 Ion 117.00 (116.70 to 117.70): V3
 140000 Ion 82.00 (81.70 to 82.70): V335
 Ion 119.00 (118.70 to 119.70): V3

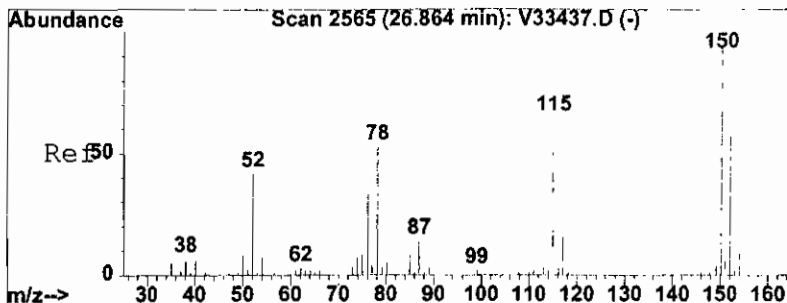


#32
 Toluene-d8 (SURRE)
 Concen: 51.10 ppb
 RT: 17.56 min Scan# 1548
 Delta R.T. -0.10 min
 Lab File: V33555.D
 Acq: 20 Apr 2001 12:11 am

Tgt Ion: 98 Resp: 467434
 Ion Ratio Lower Upper
 98 100
 98 100.0 80.0 120.0
 100 54.0 45.0 67.4
 70 0.0 0.0 0.0

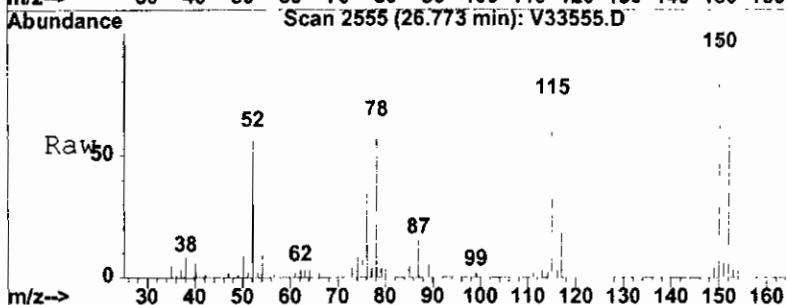
Abundance Ion 98.00 (97.70 to 98.70): V335
 Ion 98.00 (97.70 to 98.70): V335
 200000 Ion 100.00 (99.70 to 100.70): V33
 Ion 70.00 (69.70 to 70.70): V335



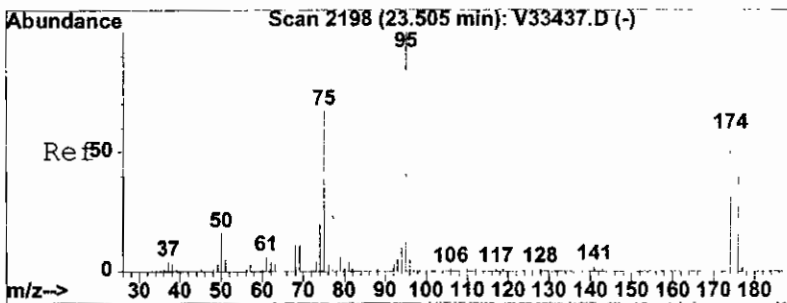
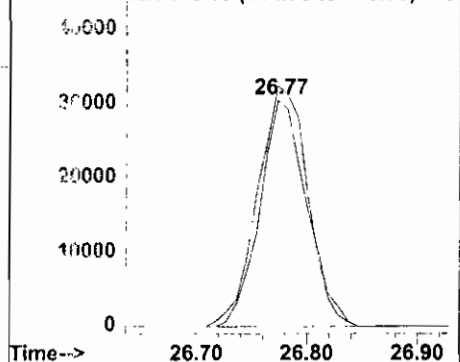
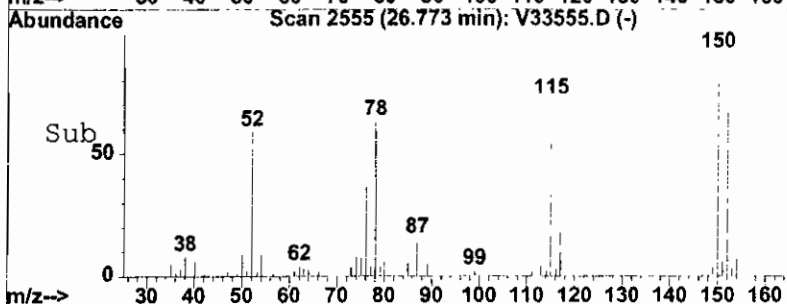


#18
1,2-DICHLOROBENZENE-d4 (ISTD)
Concen: 50.00 ppb
RT 26.77 min Scan# 2555
Delta R.T. -0.09 min
Lab File: V33555.D
Acq: 20 Apr 2001 12:11 am

Tgt Ion:152 Resp: 90126
Ion Ratio Lower Upper
152 100
152 100.0 80.0 120.0
152 100.0 80.0 120.0
115 0.0 0.0 0.0

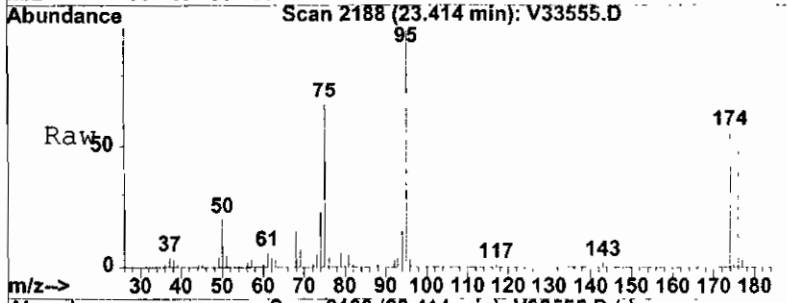


Abundance Ion 152.00 (151.70 to 152.70): V3
50000 Ion 152.00 (151.70 to 152.70): V3
Ion 152.00 (151.70 to 152.70): V3
Ion 115.00 (114.70 to 115.70): V3

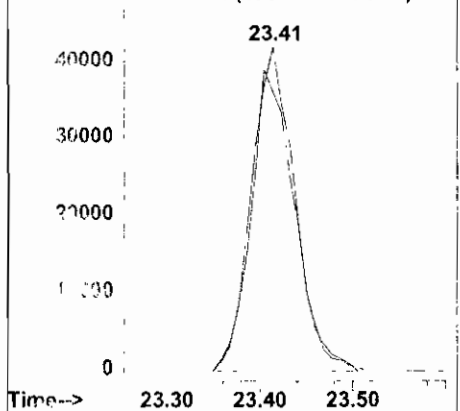
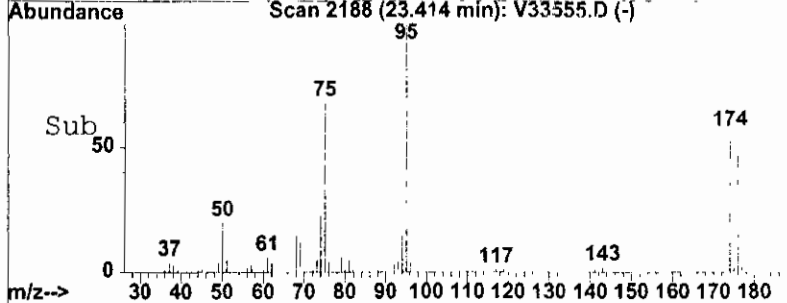


#5
p-Bromofluorobenzene (SURR)
Concen: 63.56 ppb
RT 23.41 min Scan# 2188
Delta R.T. -0.08 min
Lab File: V33555.D
Acq: 20 Apr 2001 12:11 am

Tgt Ion:174 Resp: 134831
Ion Ratio Lower Upper
174 100
174 85.7 74.0 111.0



Abundance Ion 174.00 (173.70 to 174.70): V3
50000 Ion 176.00 (175.70 to 176.70): V3



Data File : C:\HPCHEM\1\DATA\V33556.D

Vial: 17

Acq On : 20 Apr 2001 12:51 am

Operator: BB

Sample : 01040168-06 \$8260W ASPB

Inst : VOA No. 2

Misc : QBV2041901A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Apr 20 1:23 19101

Quant Results File: V2C71W.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C71W.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Mon Apr 16 08:02:01 2001

Response via : Initial Calibration

DataAcq Meth : V2C71W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.30	70	137292	50.00	ppb	-0.09
26) CHLOROBENZENE-d5(ISTD)	20.76	117	294157	50.00	ppb	-0.10
48) 1,2-DICHLOROBENZENE-d4(ISTD)	26.77	152	93334	50.00	ppb	-0.09

System Monitoring Compounds

22) d4-1,2-Dichloroethane(SURR)	13.56	65	440889	50.59	ppb	-0.12
Spiked Amount	50.000	Range	67 - 128	Recovery	=	101.18%
33) Toluene-d8(SURR)	17.56	98	445773	51.13	ppb	-0.09
Spiked Amount	50.000	Range	87 - 113	Recovery	=	102.26%
50) p-Bromofluorobenzene(SURR)	23.40	174	123267	56.11	ppb	-0.09
Spiked Amount	50.000	Range	63 - 166	Recovery	=	112.22%

Target Compounds

						Qvalue
8) 1,1-Dichloroethylene	8.33	61	7852	2	1.54 ppb	# 84
13) Acetone	7.92	43	2178	~~2~~	~~2.26~~ ppb	# 96
14) 1,1-Dichloroethane	10.69	63	9089	2	1.70 ppb	# 94
20) 1,1,1-Trichloroethane	13.08	97	33522	4	3.50 ppb	# 99

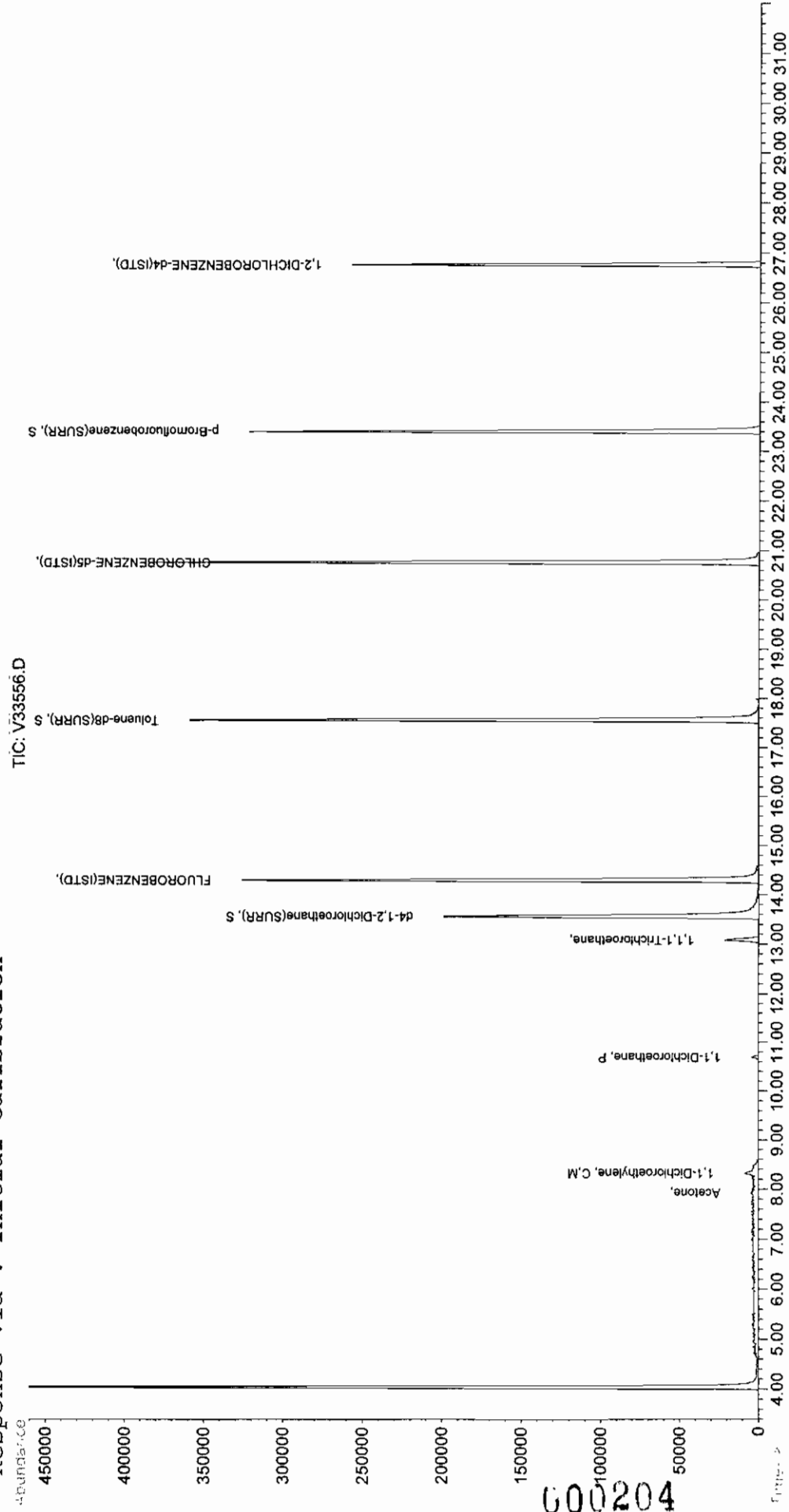
Quantitat' Report

Data File : C:\HPCHEM\1\DATA\V33556.D
 Acq On : 20 Apr 2001 12:51 am
 Sample : 01040168-06 \$8260W ASPB
 Misc : QBV2041901A
 MS Integration Params: rteint.p
 Quant Time: Apr 20 1:23 19101

Vial: 17
 Operator: BB
 Inst : VOA No. 2
 Multiplr: 1.00

Quant Results File: V2C71W.RES

Method : C:\HPCHEM\1\METHODS\V2C71W.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Mon Apr 16 08:02:01 2001
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\V33556.D
 Acq On : 20 Apr 2001 12:51 am
 Sample : 01040168-06 \$8260W ASPB
 Misc : QBV2041901A
 MS Integration Params: rteint.p
 Quant Time: Apr 20 1:23 19101

Vial: 17
 Operator: BB
 Inst : VOA No. 2
 Multiplr: 1.00

Quant Results File: V2C71W.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C71W.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Mon Apr 16 08:02:01 2001
 Response via : Initial Calibration
 DataAcq Meth : V2C71W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.30	70	137282	50.00	ppb	-0.09
26) CHLOROBENZENE-d5(ISTD)	20.76	117	294157	50.00	ppb	-0.10
48) 1,2-DICHLOROBENZENE-d4(ISTD)	26.77	152	93354	50.00	ppb	-0.09

System Monitoring Compounds

22) d4-1,2-Dichloroethane(SURR)	13.56	65	440889	50.59	ppb	-0.12
Spiked Amount	50.000	Range	67 - 128	Recovery	=	101.18%
33) Toluene-d8(SURR)	17.56	98	445773	51.13	ppb	-0.09
Spiked Amount	50.000	Range	87 - 113	Recovery	=	102.26%
50) p-Bromofluorobenzene(SURR)	23.40	174	123267	56.11	ppb	-0.09
Spiked Amount	50.000	Range	63 - 166	Recovery	=	112.22%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
8) 1,1-Dichloroethylene	8.33	61	7852	1.54	ppb	# 84
13) Acetone	7.92	43	2178	2.26	ppb	# 96
14) 1,1-Dichloroethane	10.69	63	9089	1.70	ppb	# 94
20) 1,1,1-Trichloroethane	13.08	97	33522	3.50	ppb	# 99

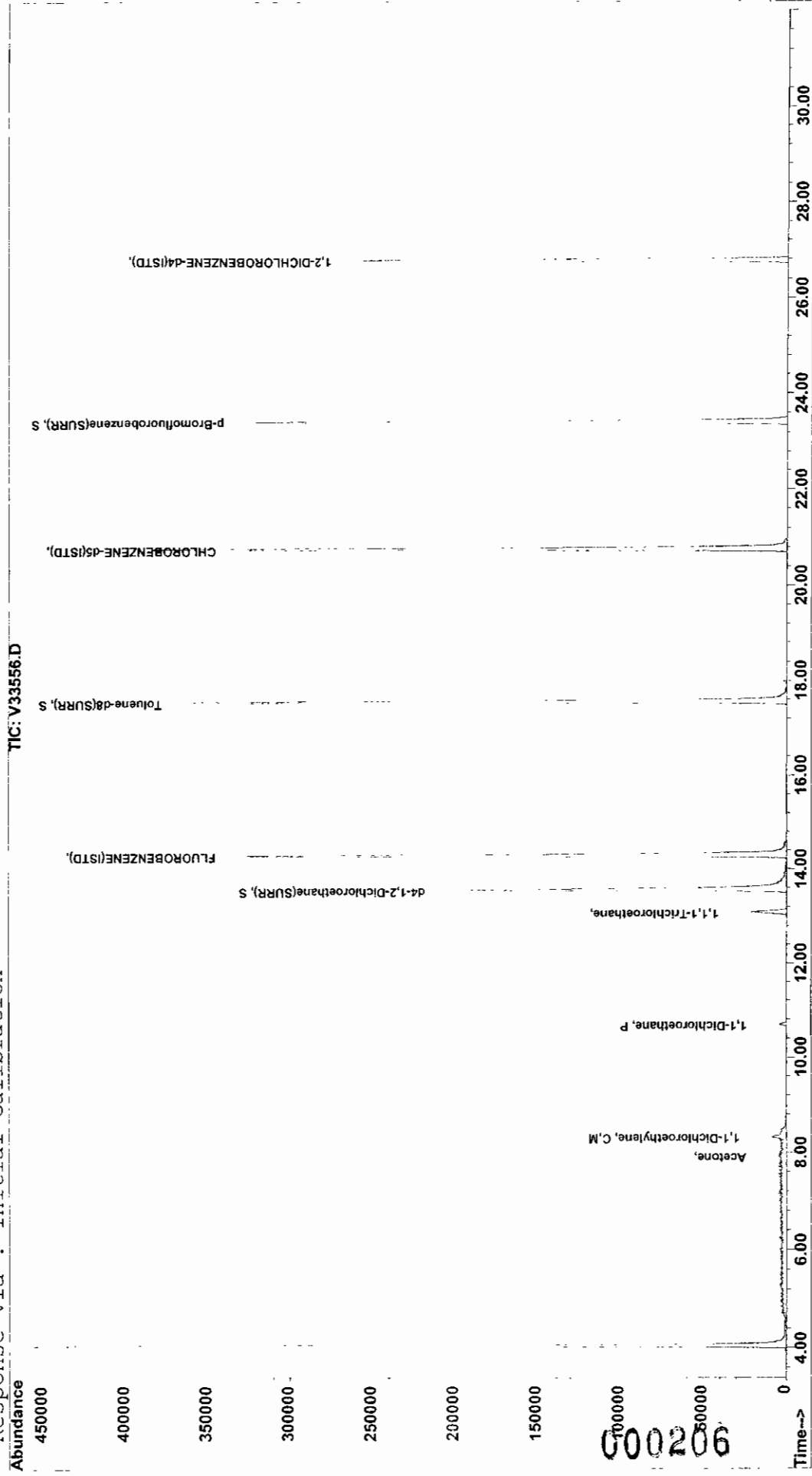
Quantitati Report

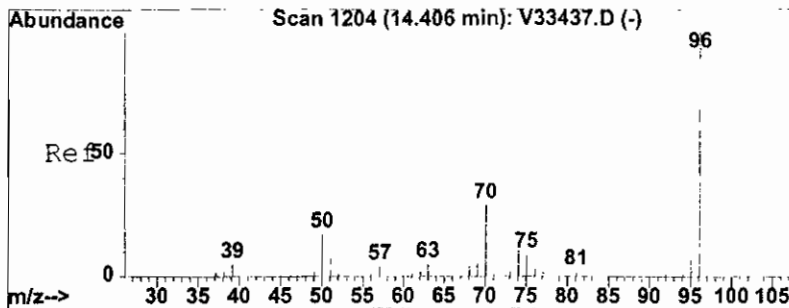
Data File : C:\HPCHEM\1\DATA\V33556.D
 Acq On : 20 Apr 2001 12:51 am
 Sample : 01040168-06 \$8260W ASPB
 Misc : QBV2041901A
 MS Integration Params: rteint.p
 Quant Time: Apr 20 1:23 19101

Vial: 17
 Operator: BB
 Inst : VOA No. 2
 Multiplr: 1.00

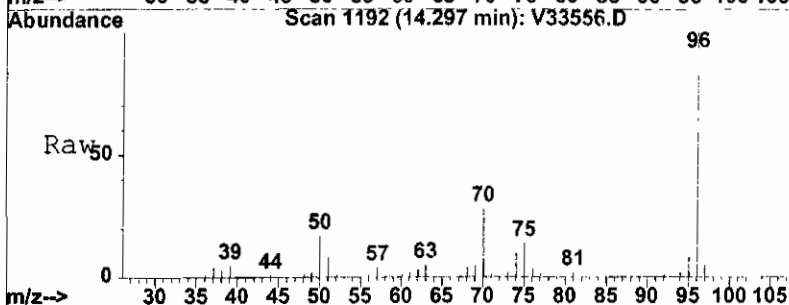
Quant Results File: V2C71W.RES

Method : C:\HPCHEM\1\METHODS\V2C71W.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Mon Apr 16 08:02:01 2001
 Response via : Initial Calibration

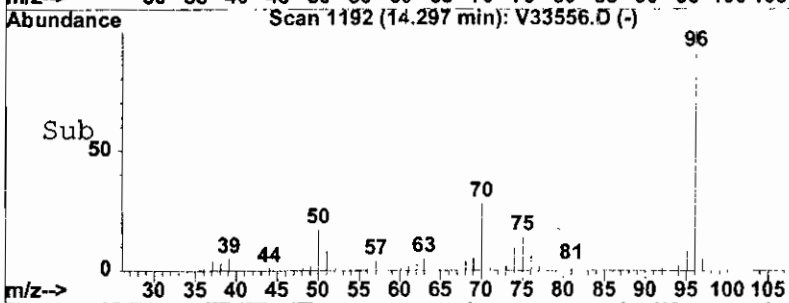




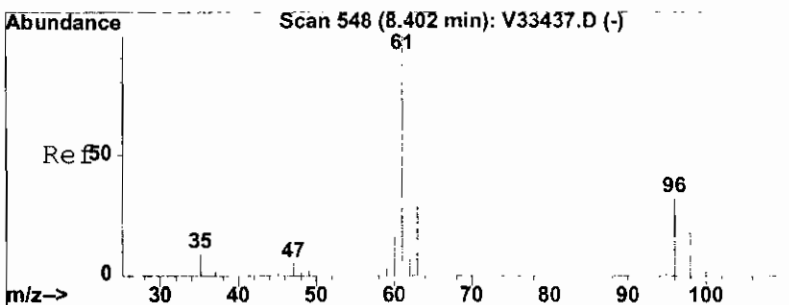
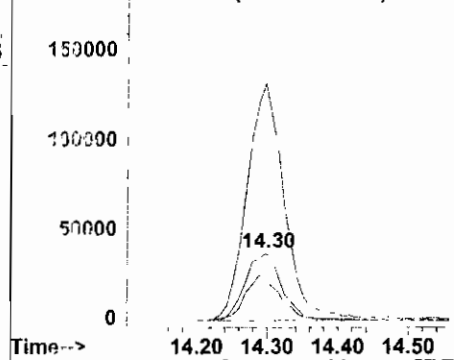
#1
 FLUOROBENZENE (ISTD)
 Concen: 50.00 ppb
 RT: 14.30 min Scan# 1192
 Delta R.T. -0.09 min
 Lab File: V33556.D
 Acq: 20 Apr 2001 12:51 am



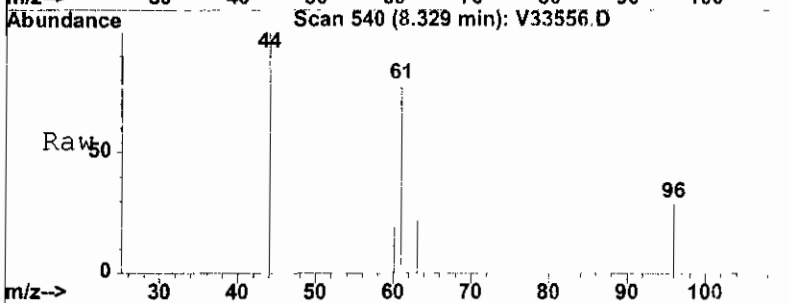
Tgt Ion: 70 Resp: 137292
 Ion Ratio Lower Upper
 70 100
 96 355.9 300.1 450.1
 70 100.0 80.0 120.0
 50 0.0 50.2 75.2#



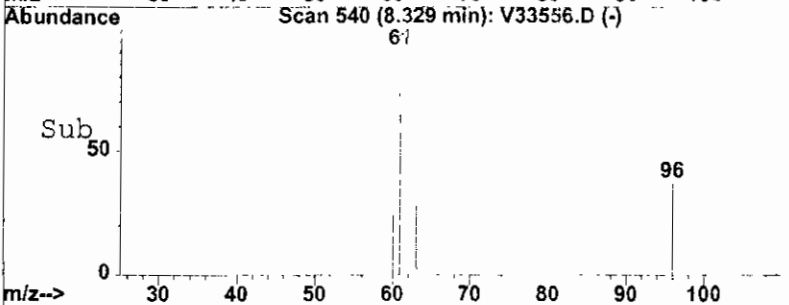
Abundance Ion 70.00 (69.70 to 70.70): V335
 200000 Ion 96.00 (95.70 to 96.70): V335
 150000 Ion 70.00 (69.70 to 70.70): V335
 100000 Ion 50.00 (49.70 to 50.70): V335
 50000
 0



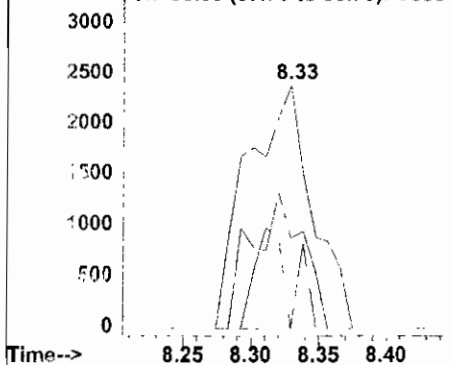
#8
 1,1-Dichloroethylene
 Concen: 1.54 ppb
 RT: 8.33 min Scan# 540
 Delta R.T. -0.07 min
 Lab File: V33556.D
 Acq: 20 Apr 2001 12:51 am

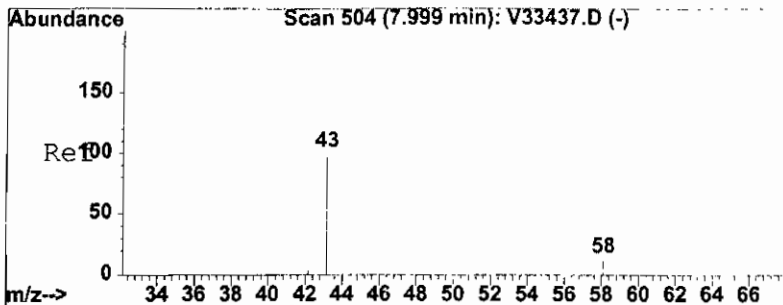


Tgt Ion: 61 Resp: 7852
 Ion Ratio Lower Upper
 61 100
 96 100.0 80.0 120.0
 98 0.0 23.7 35.5#
 98 0.0 14.6 21.8#



Abundance Ion 61.00 (60.70 to 61.70): V335
 3500 Ion 61.00 (60.70 to 61.70): V335
 3000 Ion 96.00 (95.70 to 96.70): V335
 2500 Ion 98.00 (97.70 to 98.70): V335
 2000
 1500
 1000
 500
 0

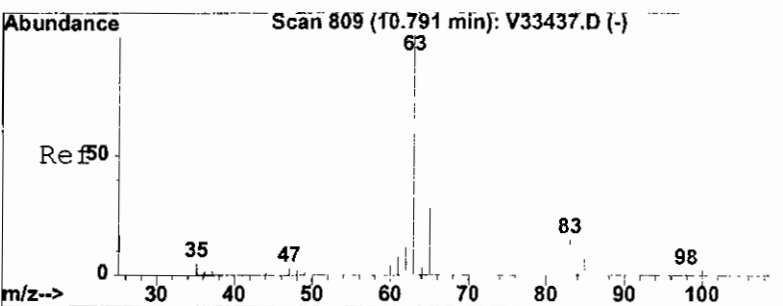
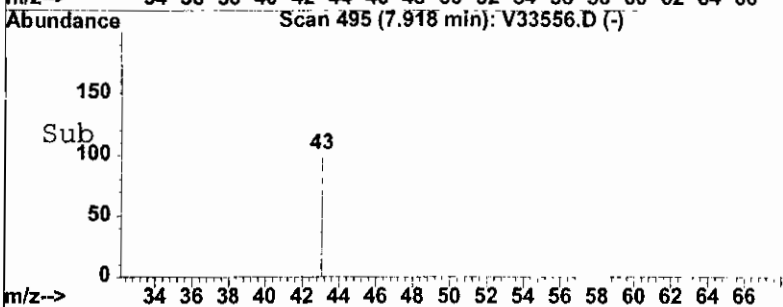
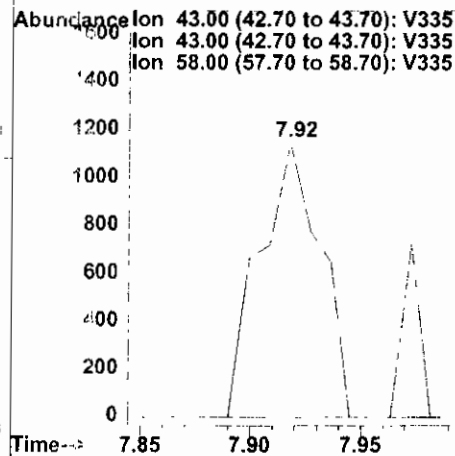
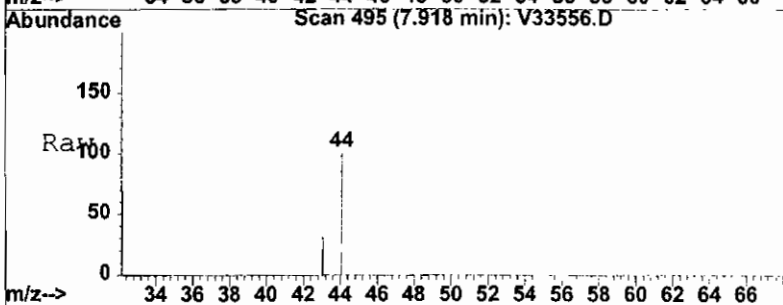




#13
Acetone
Concen: 2.26 ppb
RT: 7.92 min Scan# 495
Delta R.T. -0.07 min
Lab File: V33556.D
Acq: 20 Apr 2001 12:51 am

Tgt Ion: 43 Resp: 2178

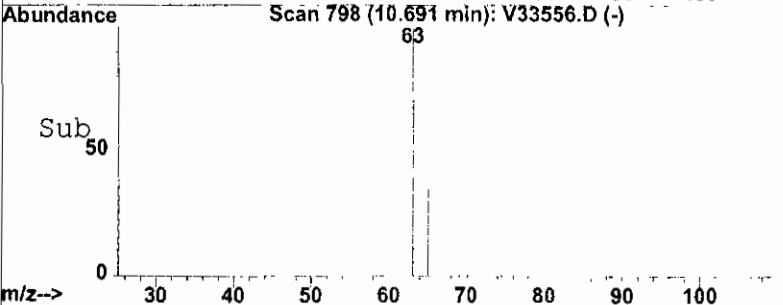
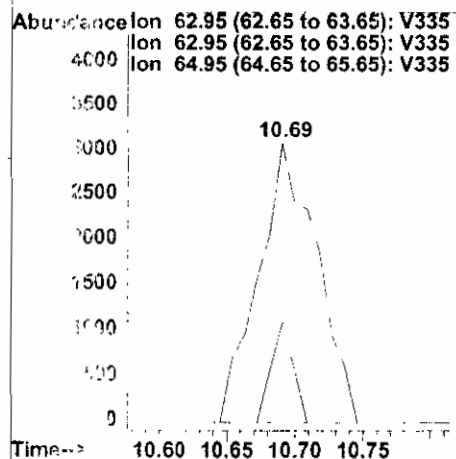
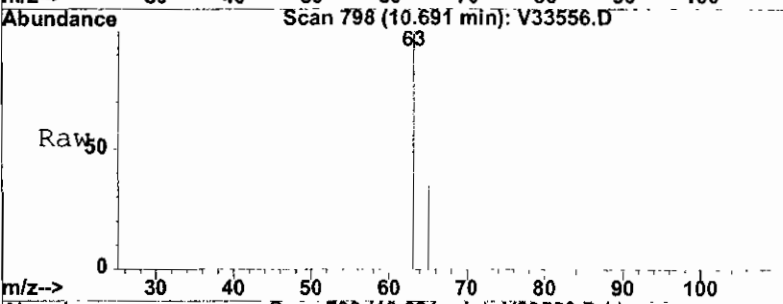
Ion	Ratio	Lower	Upper
43	100		
43	100.0	80.0	120.0
58	0.0	10.8	16.2#



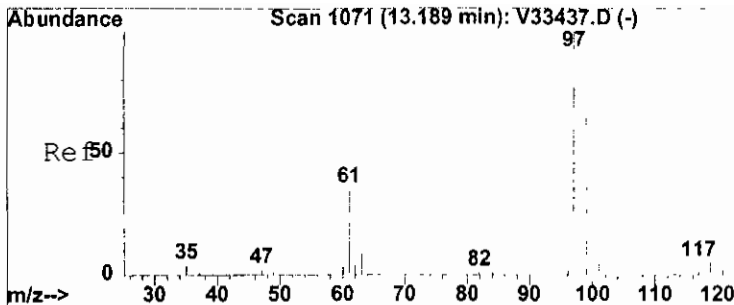
#14
1,1-Dichloroethane
Concen: 1.70 ppb
RT: 10.69 min Scan# 798
Delta R.T. -0.09 min
Lab File: V33556.D
Acq: 20 Apr 2001 12:51 am

Tgt Ion: 63 Resp: 9089

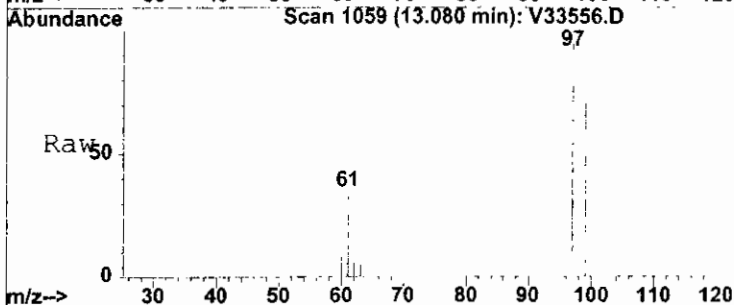
Ion	Ratio	Lower	Upper
63	100		
63	100.0	80.0	120.0
63	13.4	22.5	33.7#



000208



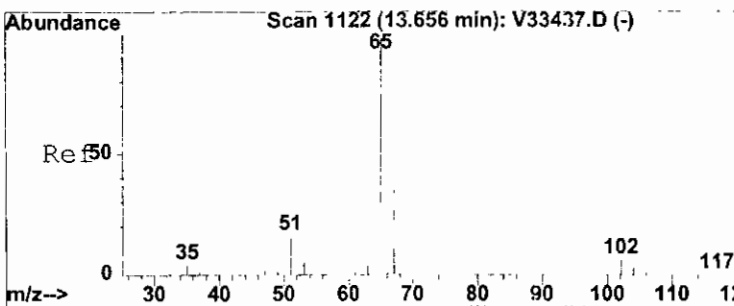
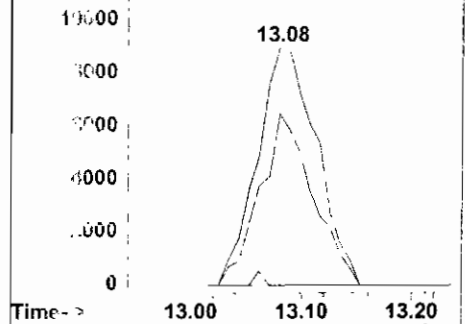
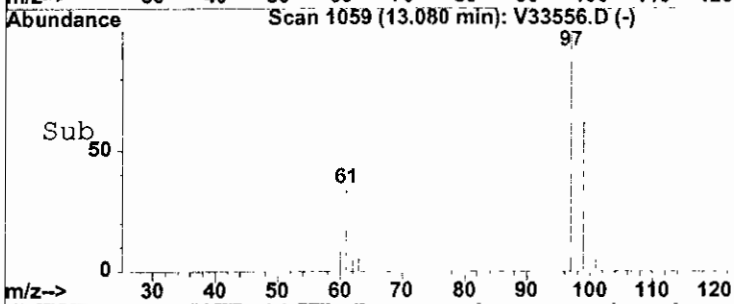
#20
1,1,1-Trichloroethane
Concen: 3.50 ppb
RT: 13.08 min Scan# 1059
Delta R.T. -0.10 min
Lab File: V33556.D
Acq: 20 Apr 2001 12:51 am



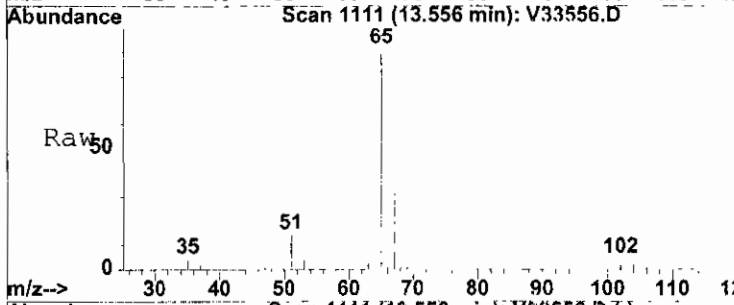
Tgt Ion: 97 Resp: 33522

Ion	Ratio	Lower	Upper
97	100		
97	100.0	80.0	120.0
99	65.0	52.3	78.5
117	0.0	4.6	6.8#

Abundance Ion 96.95 (96.65 to 97.65): V335
1000 Ion 96.95 (96.65 to 97.65): V335
Ion 98.90 (98.60 to 99.60): V335
12000 Ion 117.00 (116.70 to 117.70): V3



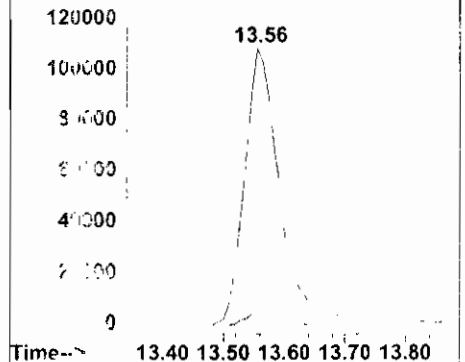
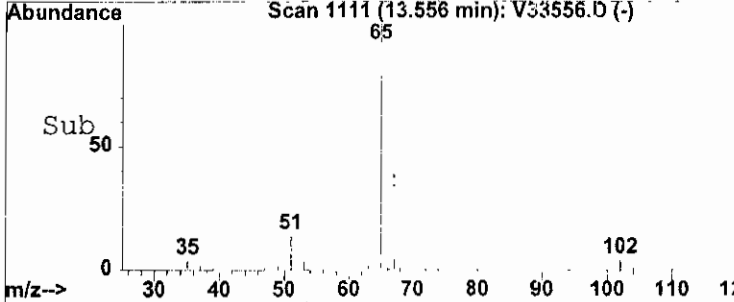
#20
d4 1,2-Dichloroethane (SURR)
Concen: 50.59 ppb
RT: 13.56 min Scan# 1111
Delta R.T. -0.12 min
Lab File: V33556.D
Acq: 20 Apr 2001 12:51 am

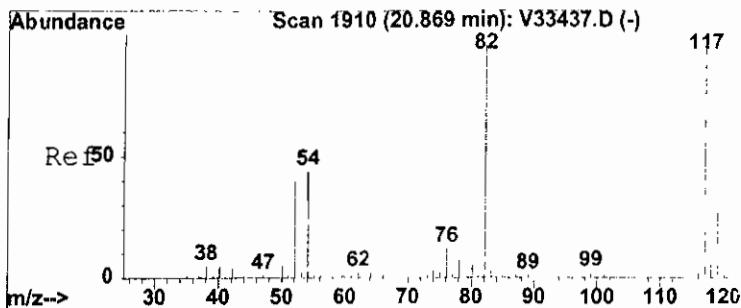


Tgt Ion: 65 Resp: 440889

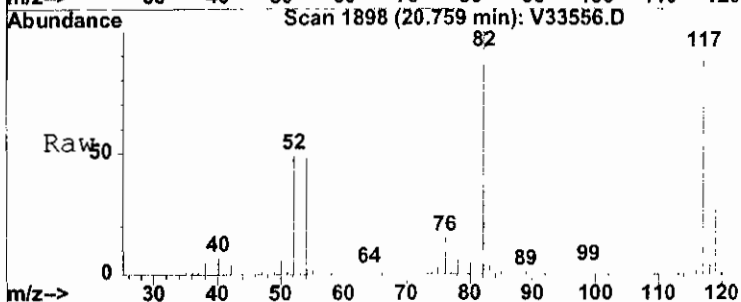
Ion	Ratio	Lower	Upper
65	100		
65	100.0	80.0	120.0
102	4.1	4.2	6.4#

Abundance Ion 65.00 (64.70 to 65.70): V335
140000 Ion 65.00 (64.70 to 65.70): V335
140000 Ion 102.00 (101.70 to 102.70): V3

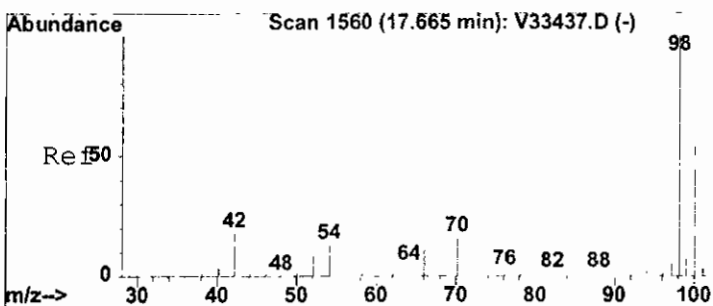
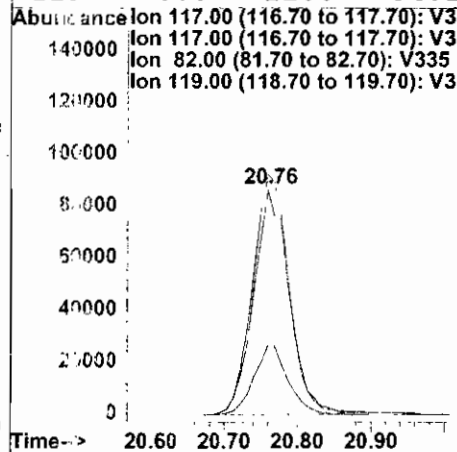
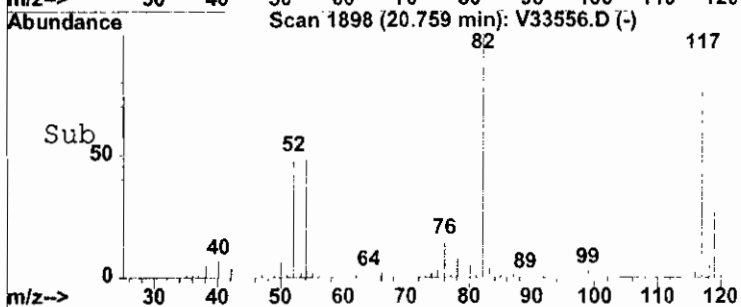




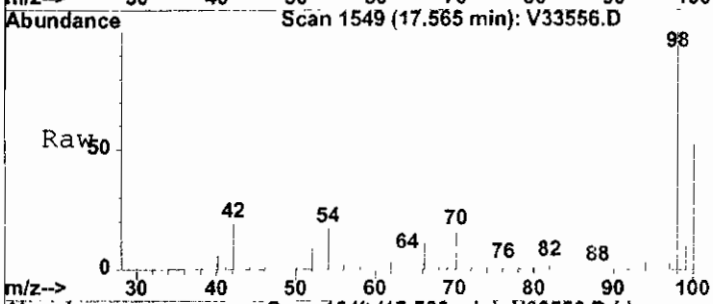
#26
 CHLOROBENZENE-d5 (ISTD)
 Concen: 50.00 ppb
 RT: 20.76 min Scan# 1898
 Delta R.T. -0.10 min
 Lab File: V33556.D
 Acq: 20 Apr 2001 12:51 am



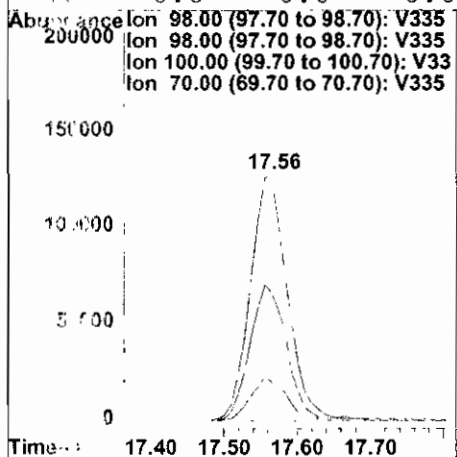
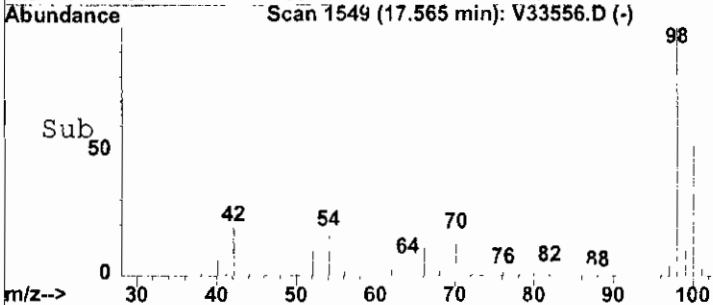
Tgt Ion: 117 Resp: 294157
 Ion Ratio Lower Upper
 117 100
 115 100.0 80.0 120.0
 82 109.9 0.0 0.0#
 119 0.0 22.8 34.2#

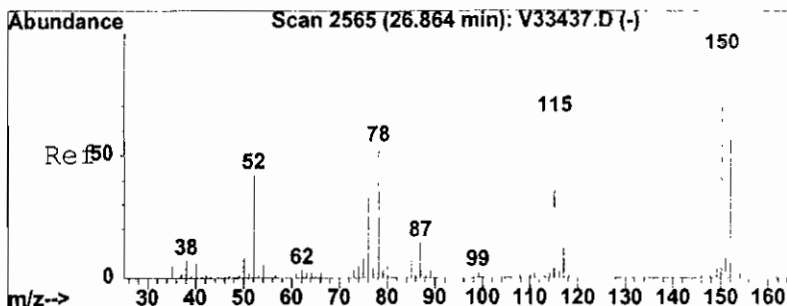


#30
 Toluene-d8 (SURR)
 Concen: 51.13 ppb
 RT: 17.56 min Scan# 1549
 Delta R.T. -0.09 min
 Lab File: V33556.D
 Acq: 20 Apr 2001 12:51 am

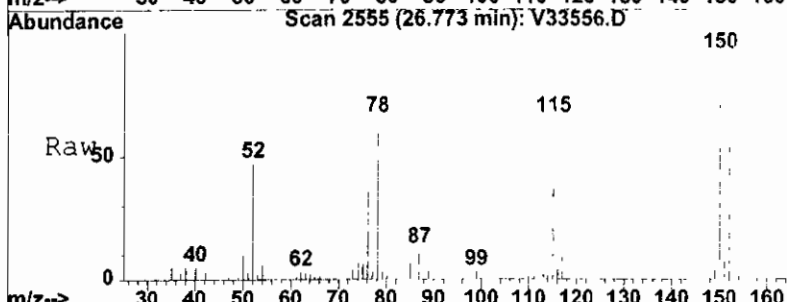


Tgt Ion: 98 Resp: 445773
 Ion Ratio Lower Upper
 98 100
 96 100.0 80.0 120.0
 100 0.0 45.0 67.4#
 70 0.0 0.0 0.0



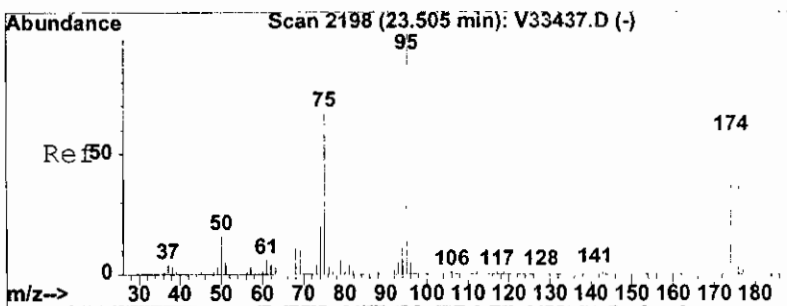
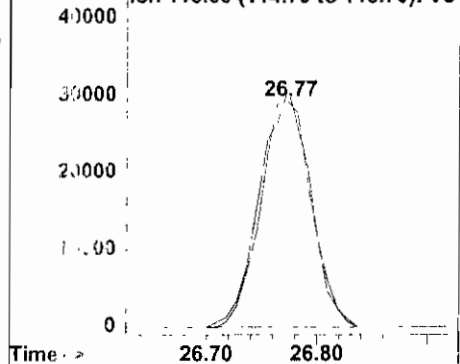
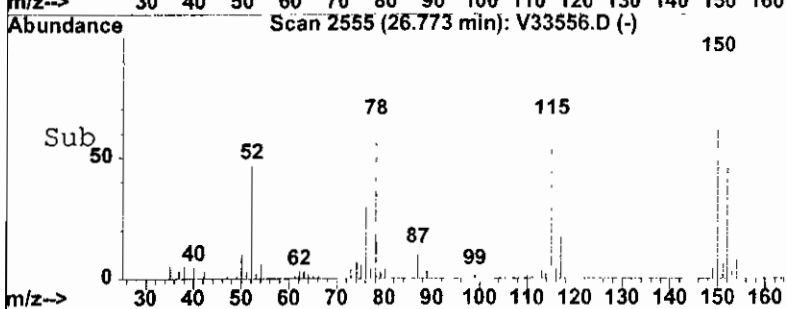


#48
1,4-DICHLOROBENZENE-d4 (ISTD)
Concen: 50.00 ppb
RT: 26.77 min Scan# 2555
Delta R.T. -0.09 min
Lab File: V33556.D
Acq: 20 Apr 2001 12:51 am

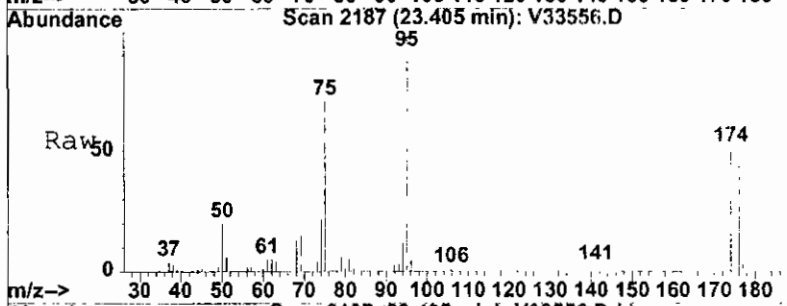


Tgt Ion: 152 Resp: 93334
Ion Ratio Lower Upper
152 100
15 100.0 80.0 120.0
131 100.0 80.0 120.0
115 0.0 0.0 0.0

Abundance on 152.00 (151.70 to 152.70): V3
Ion 152.00 (151.70 to 152.70): V3
Ion 152.00 (151.70 to 152.70): V3
Ion 115.00 (114.70 to 115.70): V3

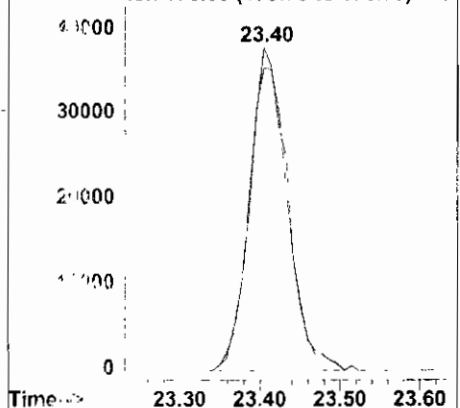
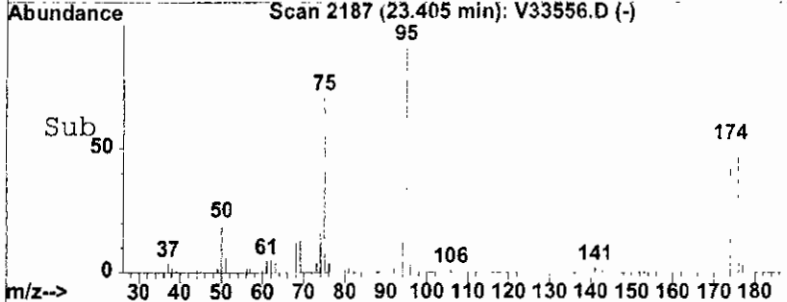


#50
p-bromofluorobenzene (SURR)
Concen: 56.11 ppb
RT: 23.40 min Scan# 2187
Delta R.T. -0.09 min
Lab File: V33556.D
Acq: 20 Apr 2001 12:51 am



Tgt Ion: 174 Resp: 123267
Ion Ratio Lower Upper
174 100
176 93.6 74.0 111.0

Abundance on 174.00 (173.70 to 174.70): V3
Ion 176.00 (175.70 to 176.70): V3



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\V33557.D

Vial: 18

Acq On : 20 Apr 2001 1:31 am

Operator: BB

Sample : 01040168-07 \$8260W ASPB

Inst : VOA No. 2

Misc : QBV2041901A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Apr 20 2:03 19101

Quant Results File: V2C71W.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C71W.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Mon Apr 16 08:02:01 2001

Response via : Initial Calibration

DataAcq Meth : V2C71W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.30	70	143628	50.00	ppb	-0.09
26) CHLOROBENZENE-d5(ISTD)	20.77	117	294405	50.00	ppb	-0.09
48) 1,2-DICHLOROBENZENE-d4(ISTD)	26.77	152	87129	50.00	ppb	-0.09

System Monitoring Compounds

22) d4-1,2-Dichloroethane(SURR)	13.56	65	448811	49.23	ppb	-0.12
Spiked Amount	50.000	Range	67 - 128	Recovery	=	98.46%
33) Toluene-d8(SURR)	17.56	98	476965	54.66	ppb	-0.10
Spiked Amount	50.000	Range	87 - 113	Recovery	=	109.32%
50) p-Bromofluorobenzene(SURR)	23.41	174	123875	60.40	ppb	-0.08
Spiked Amount	50.000	Range	63 - 166	Recovery	=	120.80%

Target Compounds

13) Acetone	7.93	43	11359	11.26	ppb	Qvalue # 96

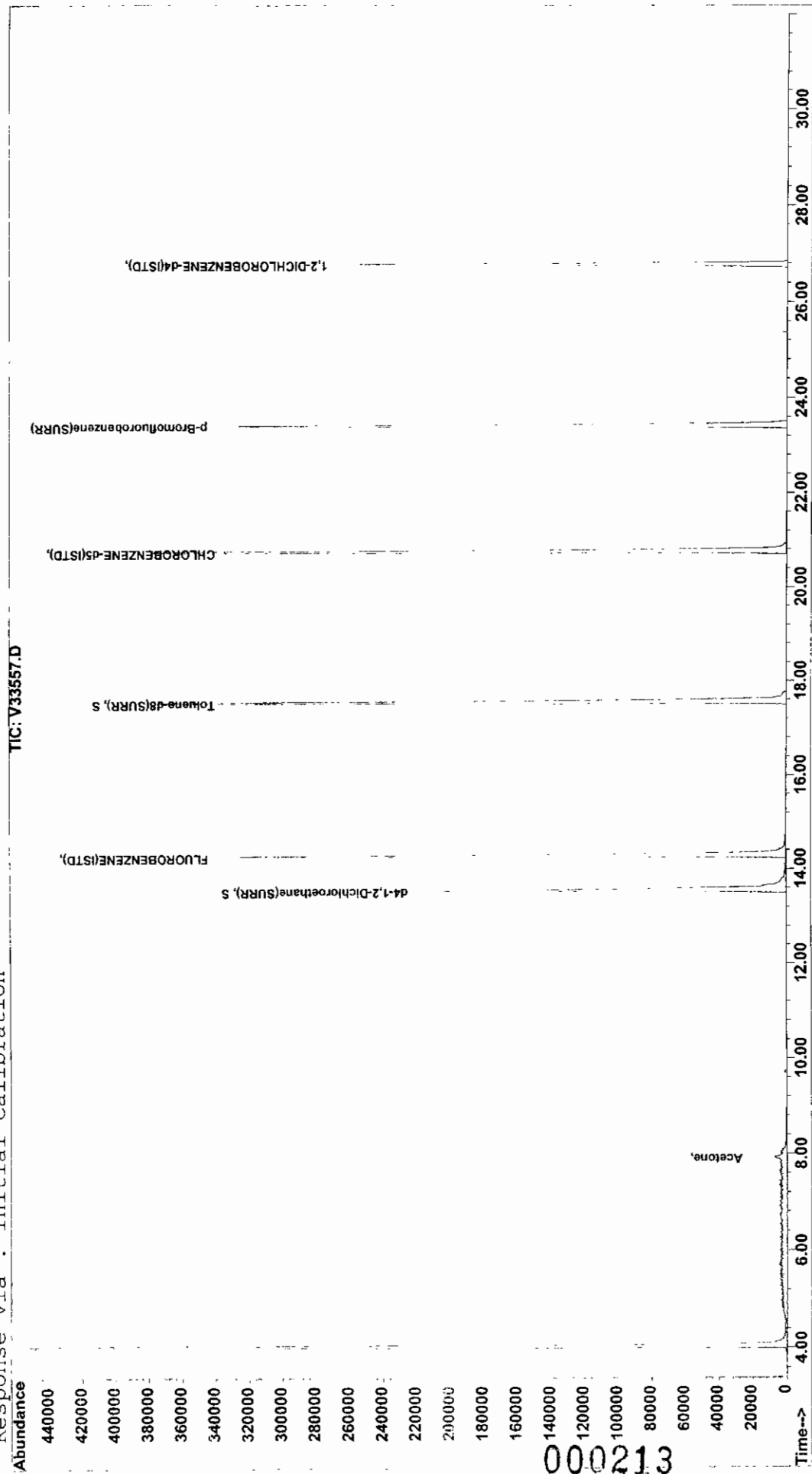
Quantitati Report

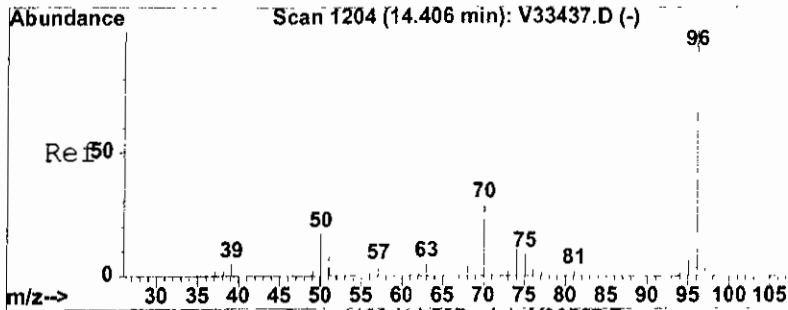
Data File : C:\HPCHEM\1\DATA\V33557.D
 Acq On : 20 Apr 2001 1:31 am
 Sample : 01040168-07 \$8260W ASPB
 Misc : QBV2041901A
 MS Integration Params: rteint.p
 Quant Time: Apr 20 2:03 19101

Vial: 18
 Operator: BB
 Inst : VOA No. 2
 Multiplr: 1.00

Quant Results File: V2C71W.RES

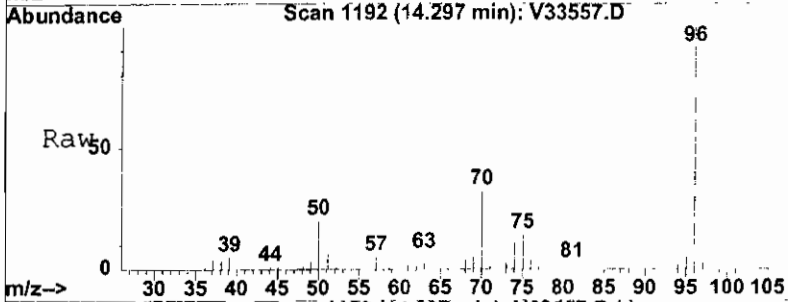
Method : C:\HPCHEM\1\METHODS\V2C71W.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Mon Apr 16 08:02:01 2001
 Response via : Initial Calibration



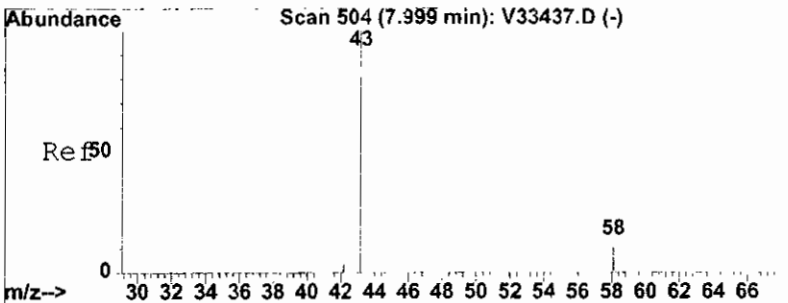
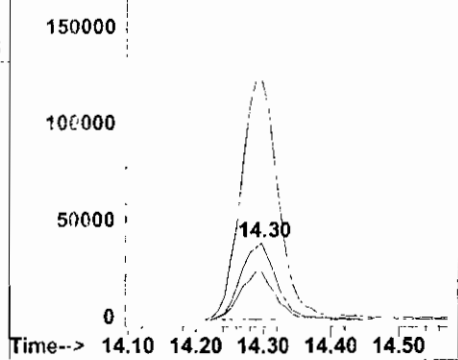
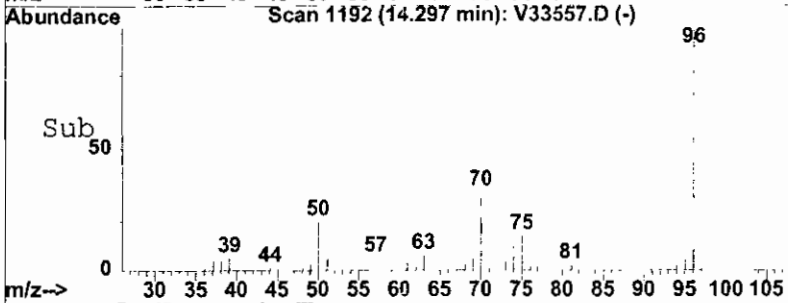


#1
 FLUOROBENZENE (ISTD)
 Concen: 50.00 ppb
 RT: 14.30 min Scan# 1192
 Delta R.T. -0.09 min
 Lab File: V33557.D
 Acq: 20 Apr 2001 1:31 am

Tgt Ion: 70 Resp: 143628
 Ion Ratio Lower Upper
 70 100
 96 338.1 300.1 450.1
 70 100.0 80.0 120.0
 50 61.9 50.2 75.2

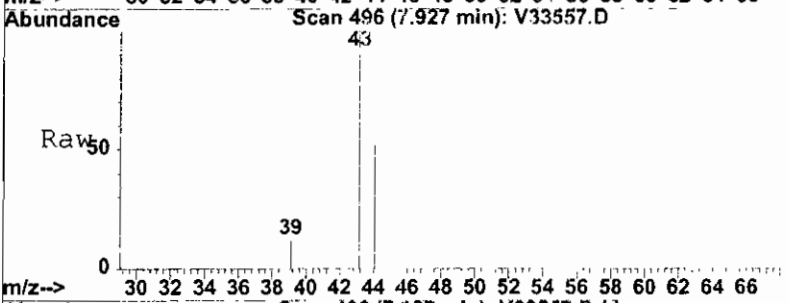


Abundance Ion 70.00 (69.70 to 70.70): V335
 Ion 96.00 (95.70 to 96.70): V335
 Ion 70.00 (69.70 to 70.70): V335
 Ion 50.00 (49.70 to 50.70): V335

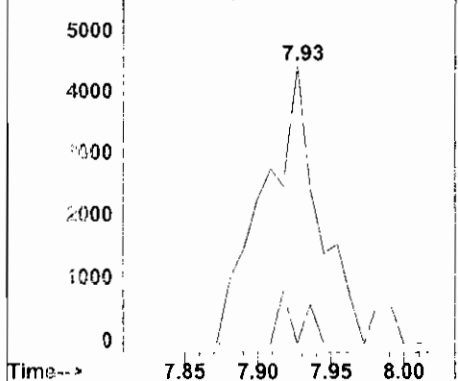
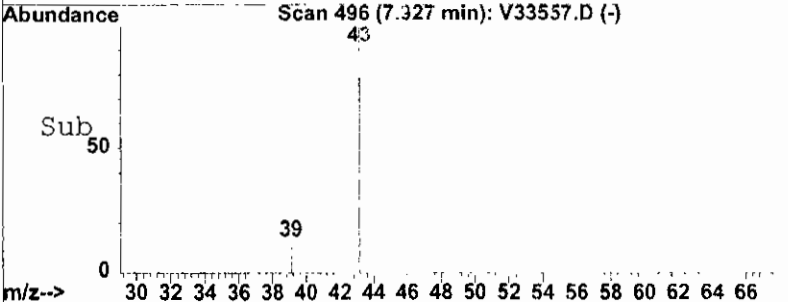


#13
 Acetone
 Concen: 11.26 ppb
 RT: 7.93 min Scan# 496
 Delta R.T. -0.06 min
 Lab File: V33557.D
 Acq: 20 Apr 2001 1:31 am

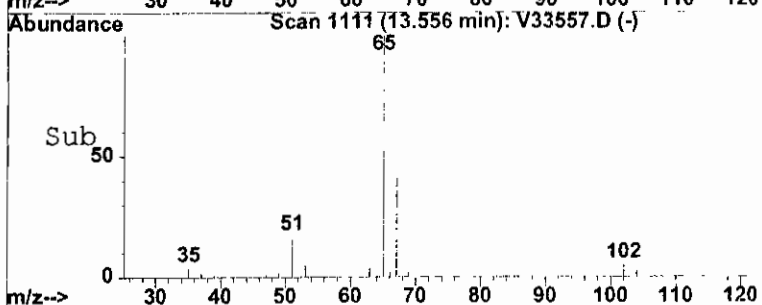
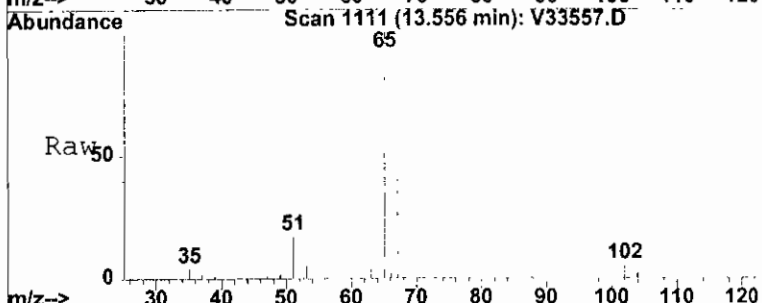
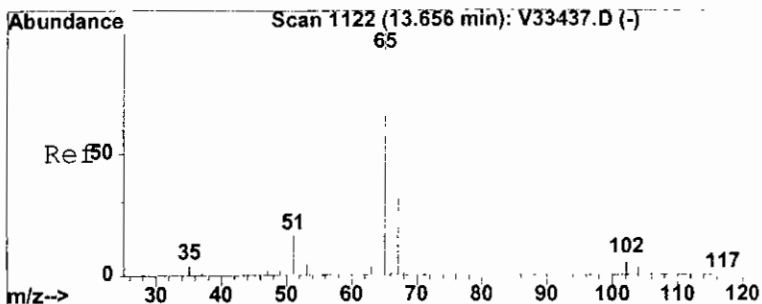
Tgt Ion: 43 Resp: 11359
 Ion Ratio Lower Upper
 43 100
 43 100.0 80.0 120.0
 58 0.0 10.8 16.2#



Abundance Ion 43.00 (42.70 to 43.70): V335
 Ion 43.00 (42.70 to 43.70): V335
 Ion 58.00 (57.70 to 58.70): V335

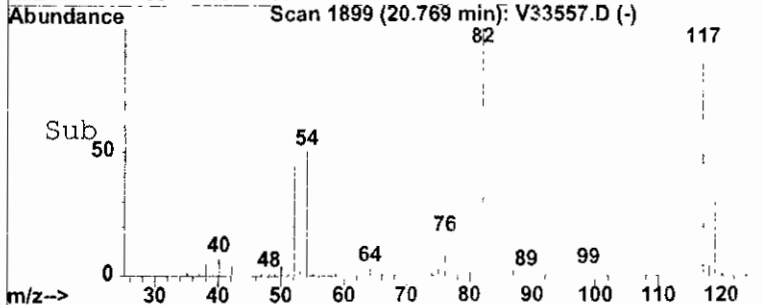
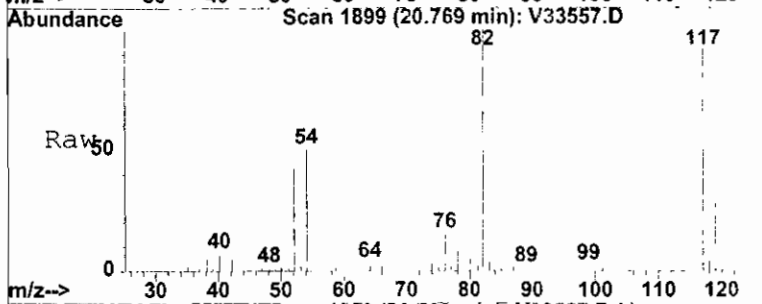
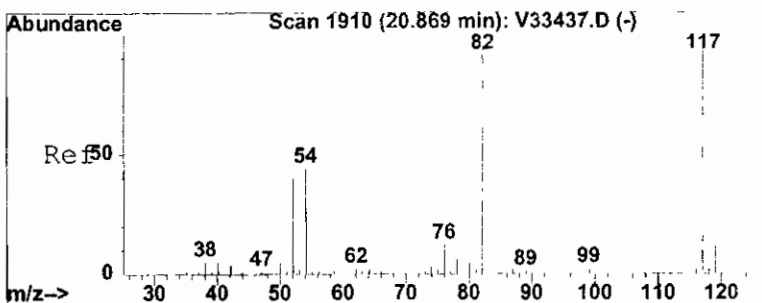
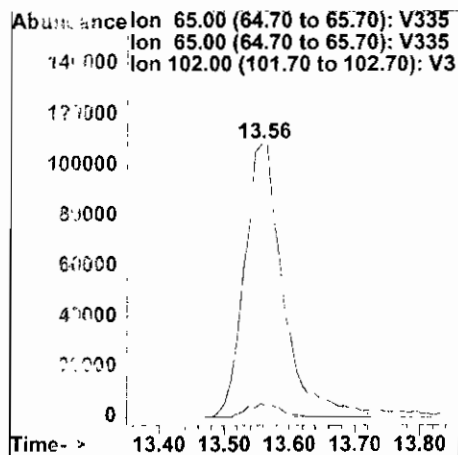


000214



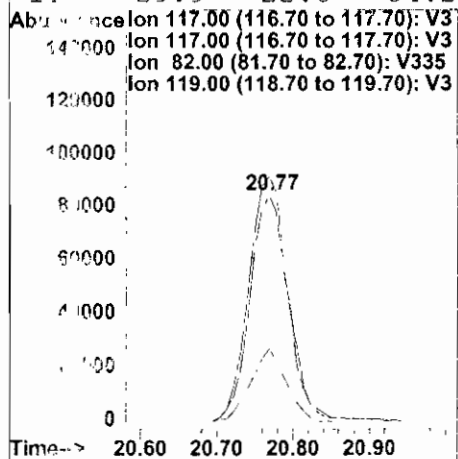
#22
d⁵ 1,2-Dichloroethane (SURR)
Concen: 49.23 ppb
RT: 13.56 min Scan# 1111
De la R.T. -0.12 min
Lab File: V33557.D
Acc. 20 Apr 2001 1:31 am

Tgt Ion: 65 Resp: 448811
Ion Ratio Lower Upper
65 100
35 100.0 80.0 120.0
102 4.1 4.2 6.4#

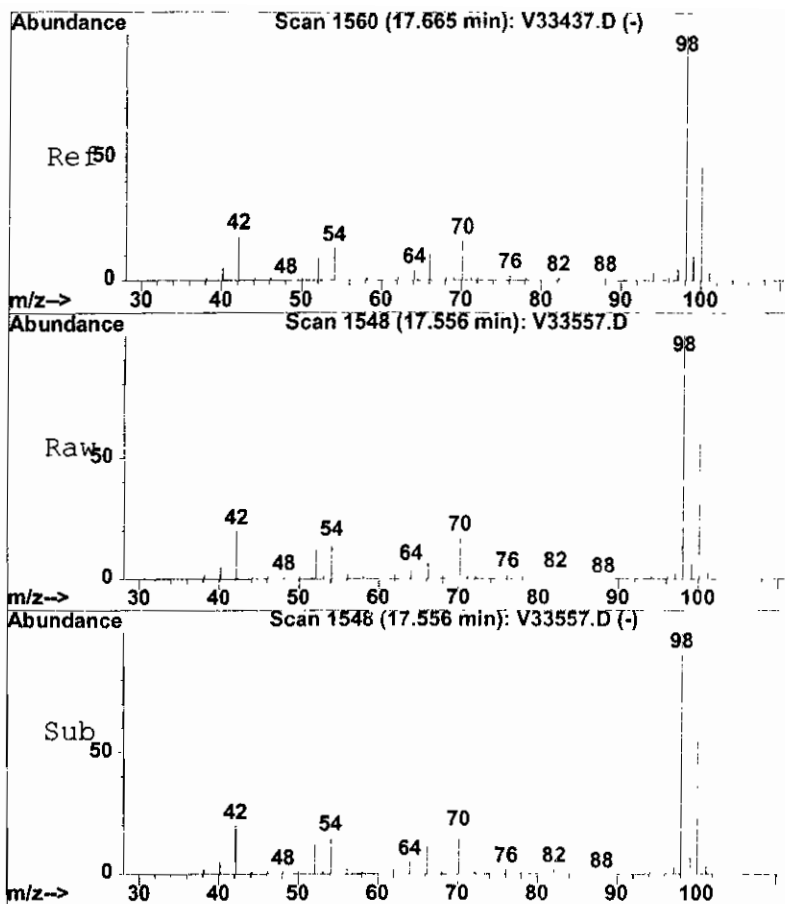


#26
CHLOROBENZENE-d5 (ISTD)
Concen: 50.00 ppb
RT: 20.77 min Scan# 1899
De la R.T. -0.09 min
Lab File: V33557.D
Acc. 20 Apr 2001 1:31 am

Tgt Ion: 117 Resp: 294405
Ion Ratio Lower Upper
117 100
117 100.0 80.0 120.0
82 0.0 0.0 0.0
119 29.9 22.8 34.2



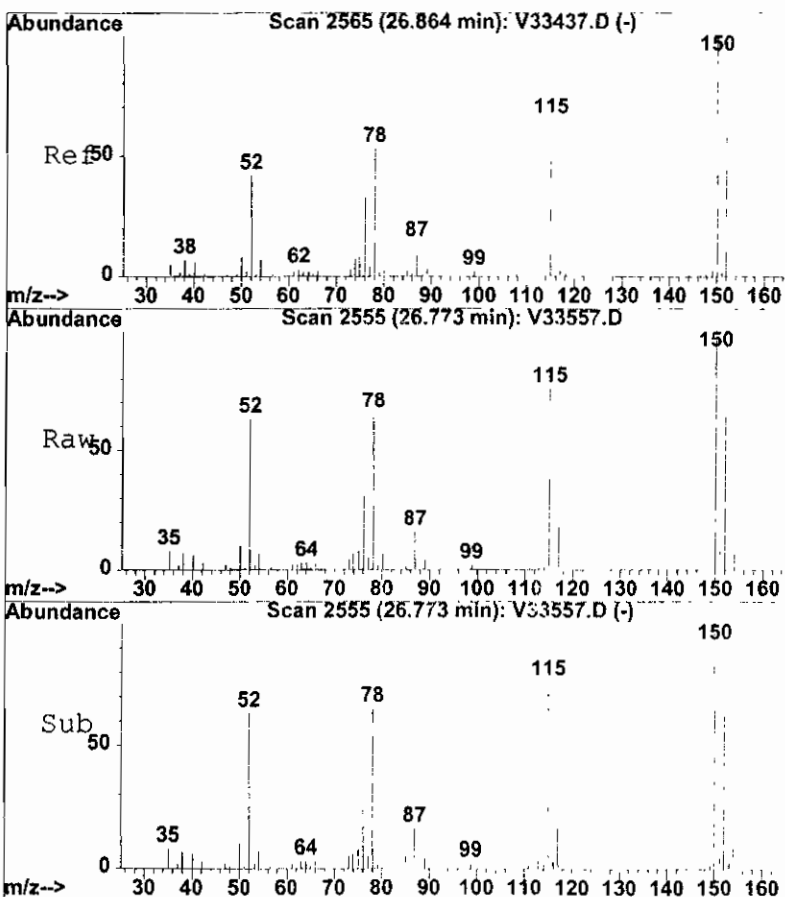
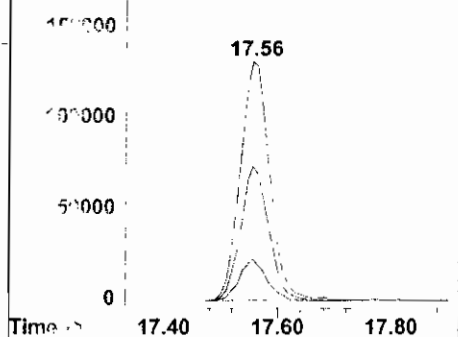
000215



#33
Toluene-d8 (SURR)
Concen: 54.66 ppb
RT 17.56 min Scan# 1548
Delta R.T. -0.10 min
Lab File: V33557.D
Acq: 20 Apr 2001 1:31 am

Tgt Ion: 98 Resp: 476965
Ion Ratio Lower Upper
98 100
54 100.0 80.0 120.0
100 53.5 45.0 67.4
76 0.0 0.0 0.0

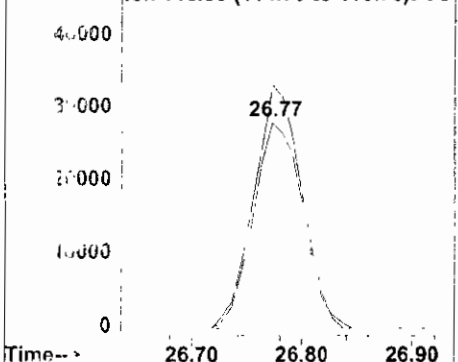
Abundance Ion 98.00 (97.70 to 98.70): V335
20000 Ion 98.00 (97.70 to 98.70): V335
10000 Ion 100.00 (99.70 to 100.70): V335
0 Ion 70.00 (69.70 to 70.70): V335

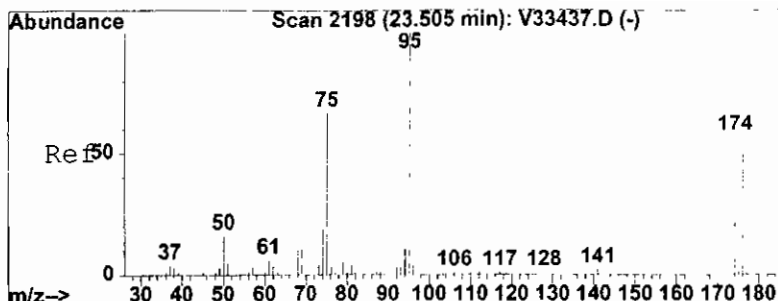


#48
1,2-DICHLOROBENZENE-d4 (ISTD)
Concen: 50.00 ppb
RT 26.77 min Scan# 2555
Delta R.T. -0.09 min
Lab File: V33557.D
Acq: 20 Apr 2001 1:31 am

Tgt Ion: 152 Resp: 87139
Ion Ratio Lower Upper
152 100
131 100.0 80.0 120.0
132 100.0 80.0 120.0
115 0.0 0.0 0.0

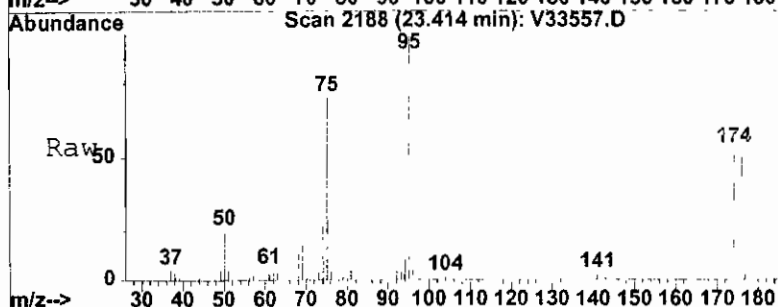
Abundance Ion 152.00 (151.70 to 152.70): V3
5000 Ion 152.00 (151.70 to 152.70): V3
4000 Ion 152.00 (151.70 to 152.70): V3
3000 Ion 115.00 (114.70 to 115.70): V3
2000
1000
0



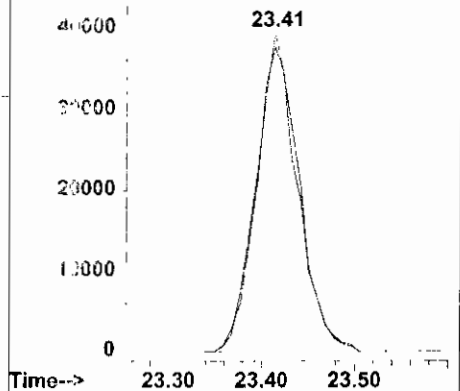
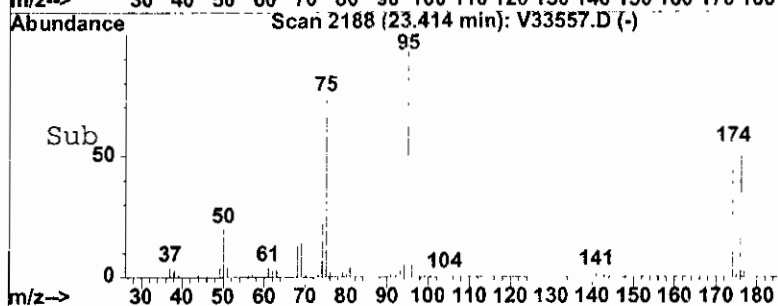


#1
p-Bromofluorobenzene (SURR)
Concen: 60.40 ppb
RT: 23.41 min Scan# 2188
Delta R.T. -0.08 min
Lab File: V33557.D
Acq: 20 Apr 2001 1:31 am

Tgt Ion: 174 Resp: 123875
Ion Ratio Lower Upper
174 100
176 95.5 74.0 111.0



Abundance Ion 174.00 (173.70 to 174.70): V3
Ion 176.00 (175.70 to 176.70): V3



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\V33558.D
Acq On : 20 Apr 2001 2:11 am
Sample : 01040168-08 \$8260W ASPB
Misc : QBV2041901A
MS Integration Params: rteint.p
Quant Time: Apr 20 2:44 19101

Vial: 19
Operator: BB
Inst : VOA No. 2
Multiplr: 1.00

Quant Results File: V2C71W.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C71W.M (RTE Integrator)
Title : VOCs BY GC/MS 8240/8260
Last Update : Mon Apr 16 08:02:01 2001
Response via : Initial Calibration
DataAcq Meth : V2C71W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.28	70	131777	50.00	ppb	-0.10
26) CHLOROBENZENE-d5(ISTD)	20.75	117	292300	50.00	ppb	-0.10
48) 1,2-DICHLOROBENZENE-d4(ISTD)	26.78	152	92743	50.00	ppb	-0.08

System Monitoring Compounds

22) d4-1,2-Dichloroethane(SURR)	13.55	65	452723	54.14	ppb	-0.13
Spiked Amount	50.000	Range	67 - 128	Recovery	=	108.28%
33) Toluene-d8(SURR)	17.55	98	443715	51.22	ppb	-0.10
Spiked Amount	50.000	Range	87 - 113	Recovery	=	102.44%
50) p-Bromofluorobenzene(SURR)	23.41	174	124584	57.07	ppb	-0.09
Spiked Amount	50.000	Range	63 - 166	Recovery	=	114.14%

Target Compounds

						Qvalue
13) Acetone	7.92	43	1332	1.44	ppb	# 96

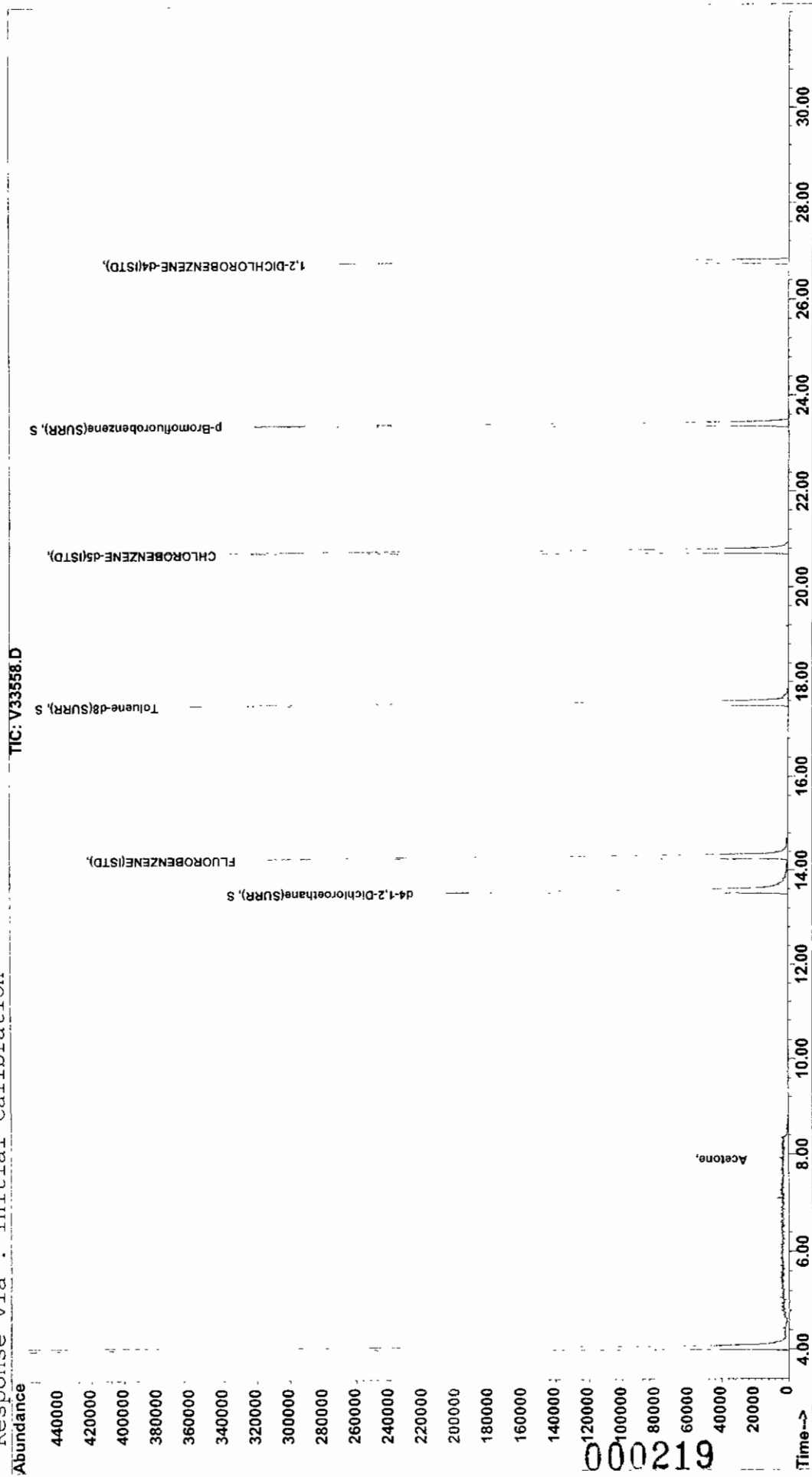
Quantitati Report

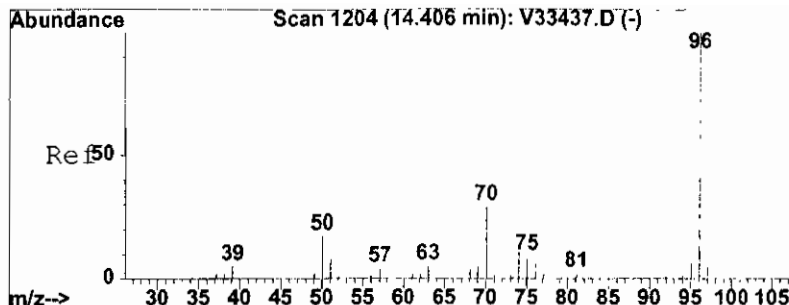
Data File : C:\HPCHEM\1\DATA\V33558.D
 Acq On : 20 Apr 2001 2:11 am
 Sample : 01040168-08 \$8260W ASPB
 Misc : QBV2041901A
 MS Integration Params: rteint.p
 Quant Time: Apr 20 2:44 19101

Vial: 19
 Operator: BB
 Inst : VOA No. 2
 Multiplr: 1.00

Quant Results File: V2C71W.RES

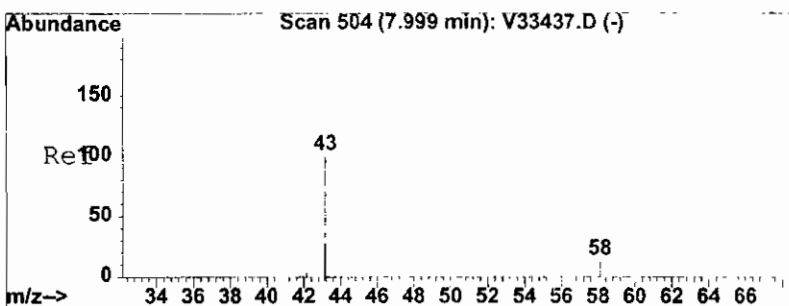
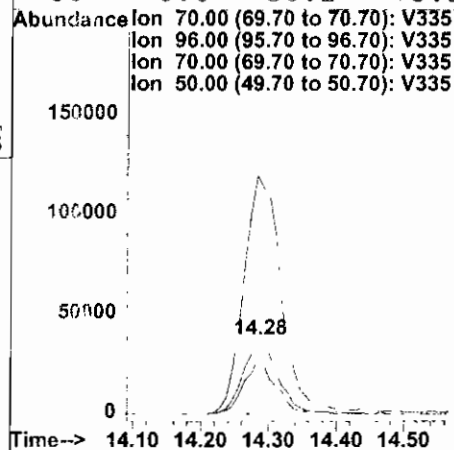
Method : C:\HPCHEM\1\METHODS\V2C71W.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Mon Apr 16 08:02:01 2001
 Response via : Initial Calibration





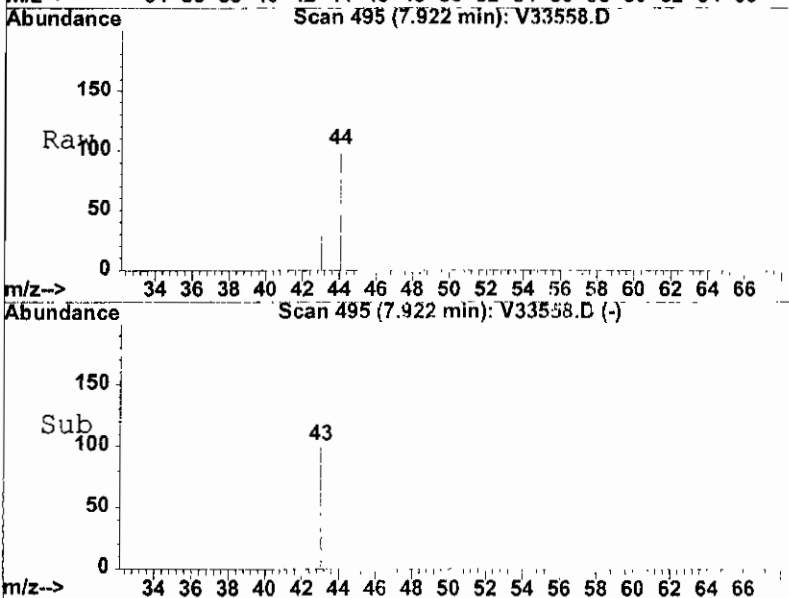
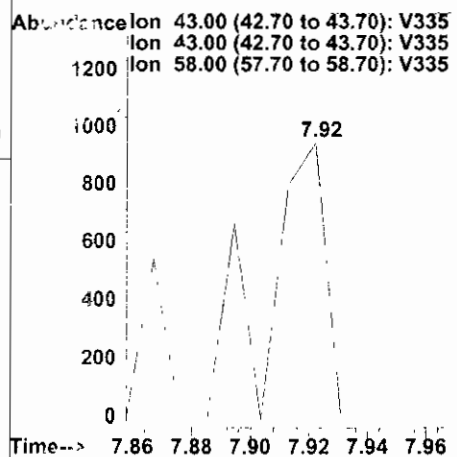
#1
 FLUOROBENZENE (ISTD)
 Concen: 50.00 ppb
 RT: 14.28 min Scan# 1190
 Delta R.T. -0.10 min
 Lab File: V33558.D
 Acq: 20 Apr 2001 2:11 am

Tgt Ion: 70 Resp: 131747
 Ion Ratio Lower Upper
 70 100
 96 353.5 300.1 450.1
 70 100.0 80.0 120.0
 50 0.0 50.2 75.2#

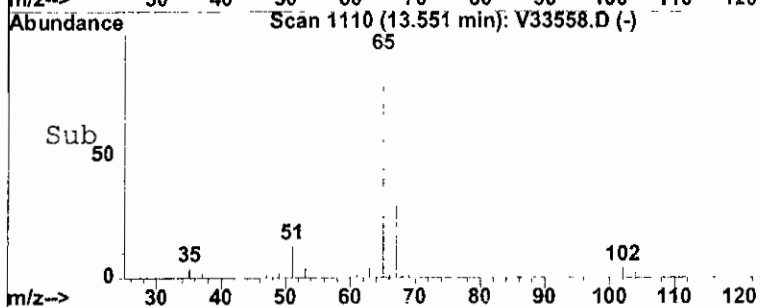
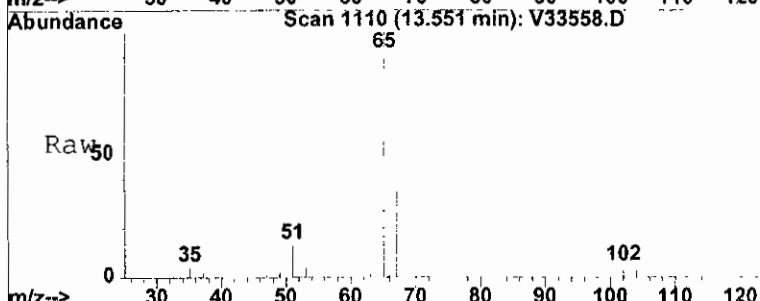
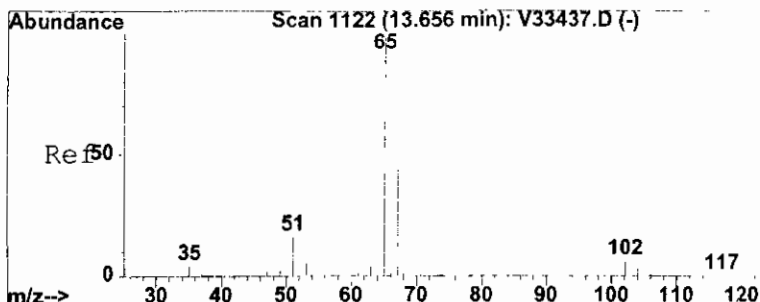


#13
 Acetone
 Concen: 1.44 ppb
 RT: 7.92 min Scan# 495
 Delta R.T. -0.07 min
 Lab File: V33558.D
 Acq: 20 Apr 2001 2:11 am

Tgt Ion: 43 Resp: 1332
 Ion Ratio Lower Upper
 43 100
 43 100.0 80.0 120.0
 58 0.0 10.8 16.2#

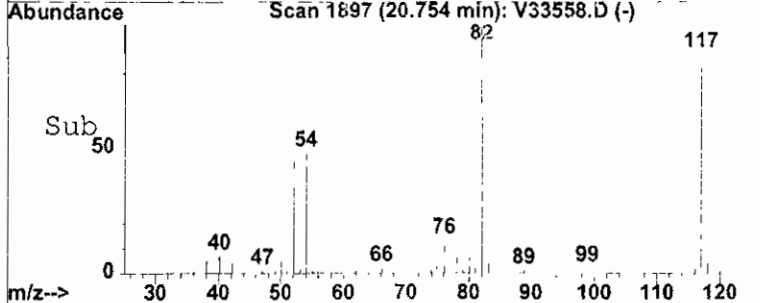
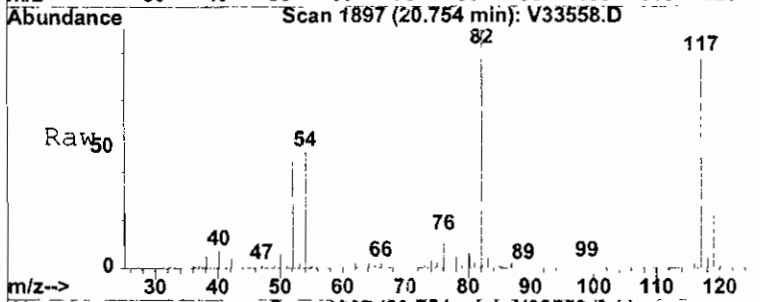
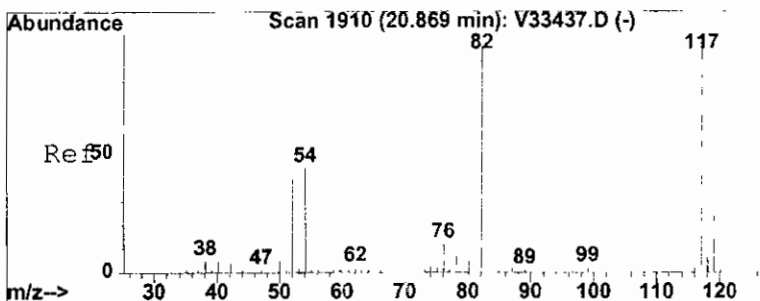
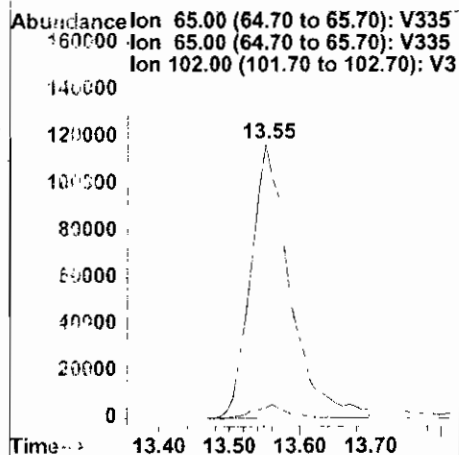


000220



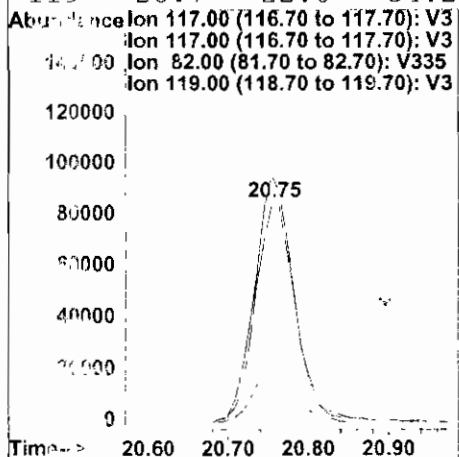
#22
d4-1,2-Dichloroethane (SURR)
Concen: 54.14 ppb
RT: 13.55 min Scan# 1110
Delta R.T. -0.13 min
Lab File: V33558.D
Acq. 20 Apr 2001 2:11 am

Tgt Ion: 65 Resp: 452723
Ion Ratio Lower Upper
65 100
65 100.0 80.0 120.0
102 4.2 4.2 6.4#

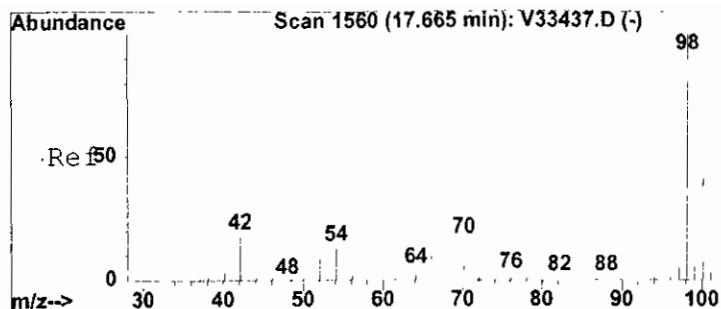


#24
CFLOOROBENZENE-d5 (ISTD)
Concen: 50.00 ppb
RT: 20.75 min Scan# 1897
Delta R.T. -0.10 min
Lab File: V33558.D
Acq. 20 Apr 2001 2:11 am

Tgt Ion: 117 Resp: 292300
Ion Ratio Lower Upper
117 100
117 100.0 80.0 120.0
82 0.0 0.0 0.0
119 28.7 22.8 34.2

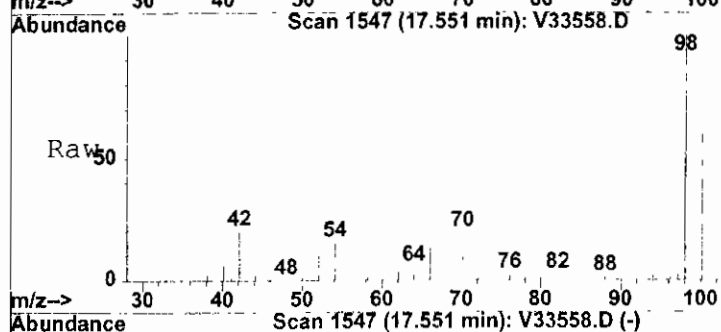


000221

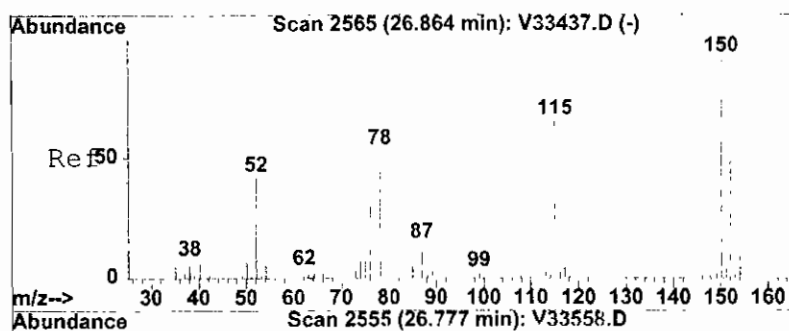
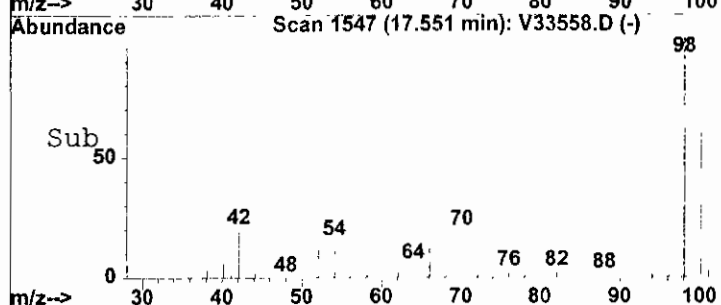
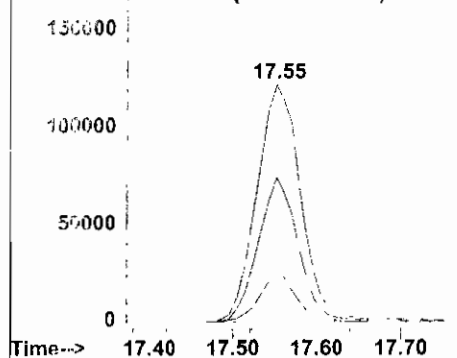


#33
Toluene-d8 (SURR)
Concen: 51.22 ppb
RT: 17.55 min Scan# 1547
Delta R.T. -0.10 min
Lab File: V33558.D
Acq: 20 Apr 2001 2:11 am

Tgt Ion: 98 Resp: 443715
Ion Ratio Lower Upper
98 100
56 100.0 80.0 120.0
100 56.3 45.0 67.4
70 17.0 0.0 0.0#

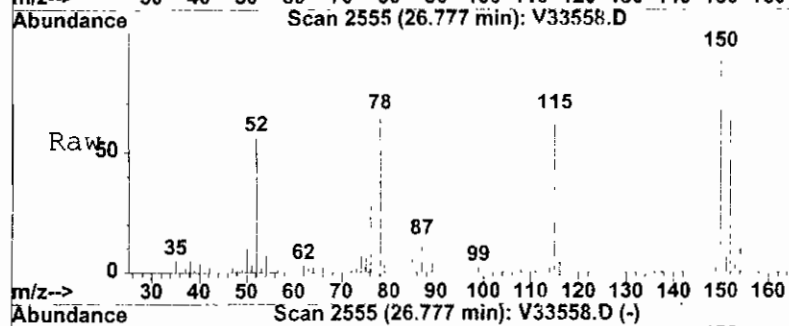


Abundance Ion 98.00 (97.70 to 98.70): V335
Ion 98.00 (97.70 to 98.70): V335
Ion 100.00 (99.70 to 100.70): V33
Ion 70.00 (69.70 to 70.70): V335

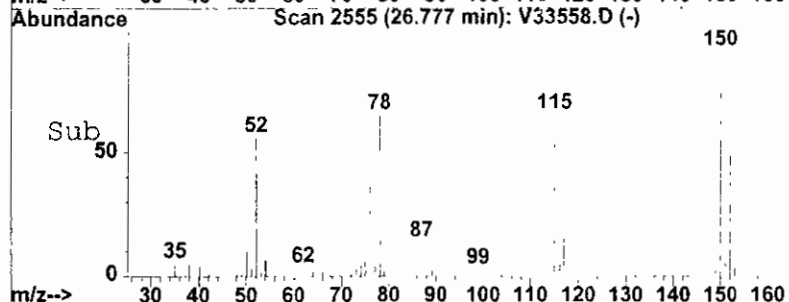
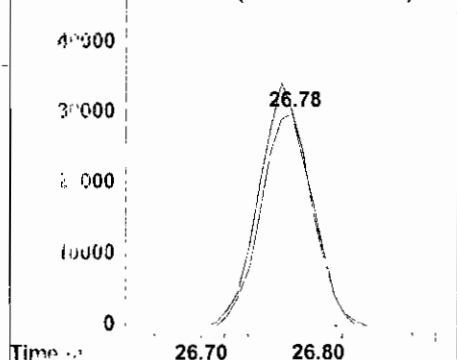


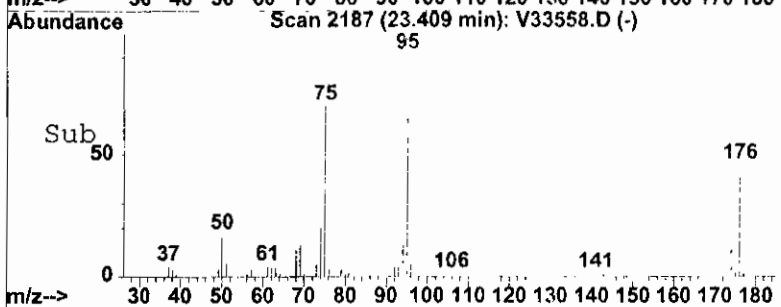
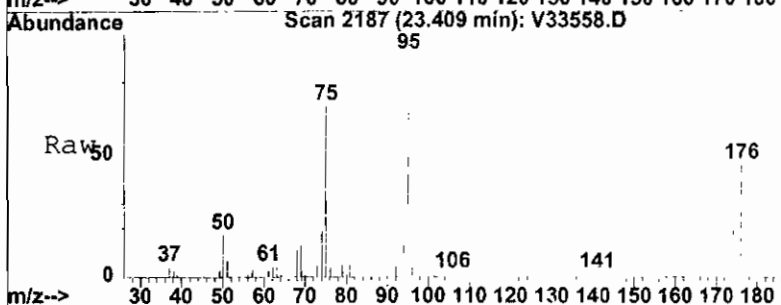
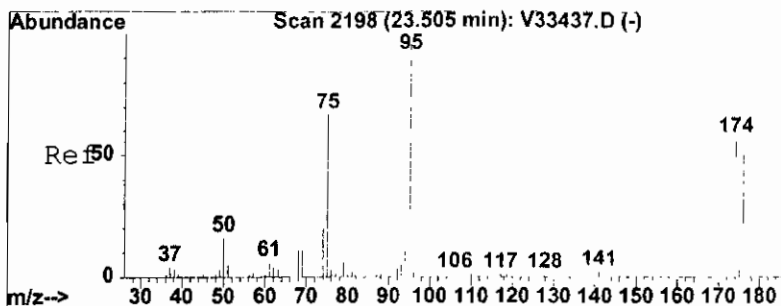
#48
1,4-DICHLOROBENZENE-d4 (ISTD)
Concen: 50.00 ppb
RT: 26.78 min Scan# 2555
Delta R.T. -0.08 min
Lab File: V33558.D
Acq: 20 Apr 2001 2:11 am

Tgt Ion: 152 Resp: 92743
Ion Ratio Lower Upper
152 100
150 100.0 80.0 120.0
134 100.0 80.0 120.0
115 110.6 0.0 0.0#



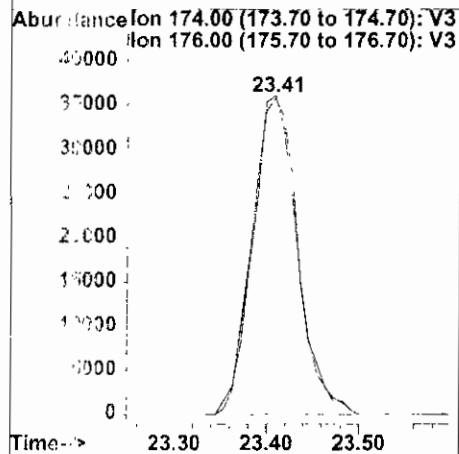
Abundance Ion 152.00 (151.70 to 152.70): V3
Ion 152.00 (151.70 to 152.70): V3
Ion 152.00 (151.70 to 152.70): V3
Ion 115.00 (114.70 to 115.70): V3





p-Bromofluorobenzene (SURR)
Concen: 57.07 ppb
RT: 23.41 min Scan# 2187
Delta R.T. -0.09 min
Lab File: V33558.D
Acq: 20 Apr 2001 2:11 am

Tgt Ion: 174 Resp: 124584
Ion Ratio Lower Upper
174 100
176 100.8 74.0 111.0



000223

Data File : C:\HPCHEM\1\DATA\V33559.D

Vial: 20

Acq On : 20 Apr 2001 2:51 am

Operator: BB

Sample : 01040168-09 \$8260W ASPB

Inst : VOA No. 2

Misc : QBV2041901A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Apr 20 3:24 19101

Quant Results File: V2C71W.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C71W.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Mon Apr 16 08:02:01 2001

Response via : Initial Calibration

DataAcq Meth : V2C71W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.29	70	131802	50.00	ppb	-0.10
26) CHLOROBENZENE-d5(ISTD)	20.77	117	272529	50.00	ppb	-0.09
48) 1,2-DICHLOROBENZENE-d4(IST	26.77	152	82906	50.00	ppb	-0.09

System Monitoring Compounds

22) d4-1,2-Dichloroethane(SURR	13.56	65	449756	53.76	ppb	-0.12
Spiked Amount	50.000	Range	67 - 128	Recovery	=	107.52%
33) Toluene-d8(SURR)	17.56	98	437173	54.12	ppb	-0.09
Spiked Amount	50.000	Range	87 - 113	Recovery	=	108.24%
50) p-Bromofluorobenzene(SURR)	23.41	174	116413	59.66	ppb	-0.09
Spiked Amount	50.000	Range	63 - 166	Recovery	=	119.32%

Target Compounds

						Qvalue
13) Acetone	7.93	43	5040	~~5.45~~	ppb	# 96
14) 1,1-Dichloroethane	10.69	63	5248	1	1.02	ppb # 93
20) 1,1,1-Trichloroethane	13.08	97	29527	3	3.21	ppb # 99

6

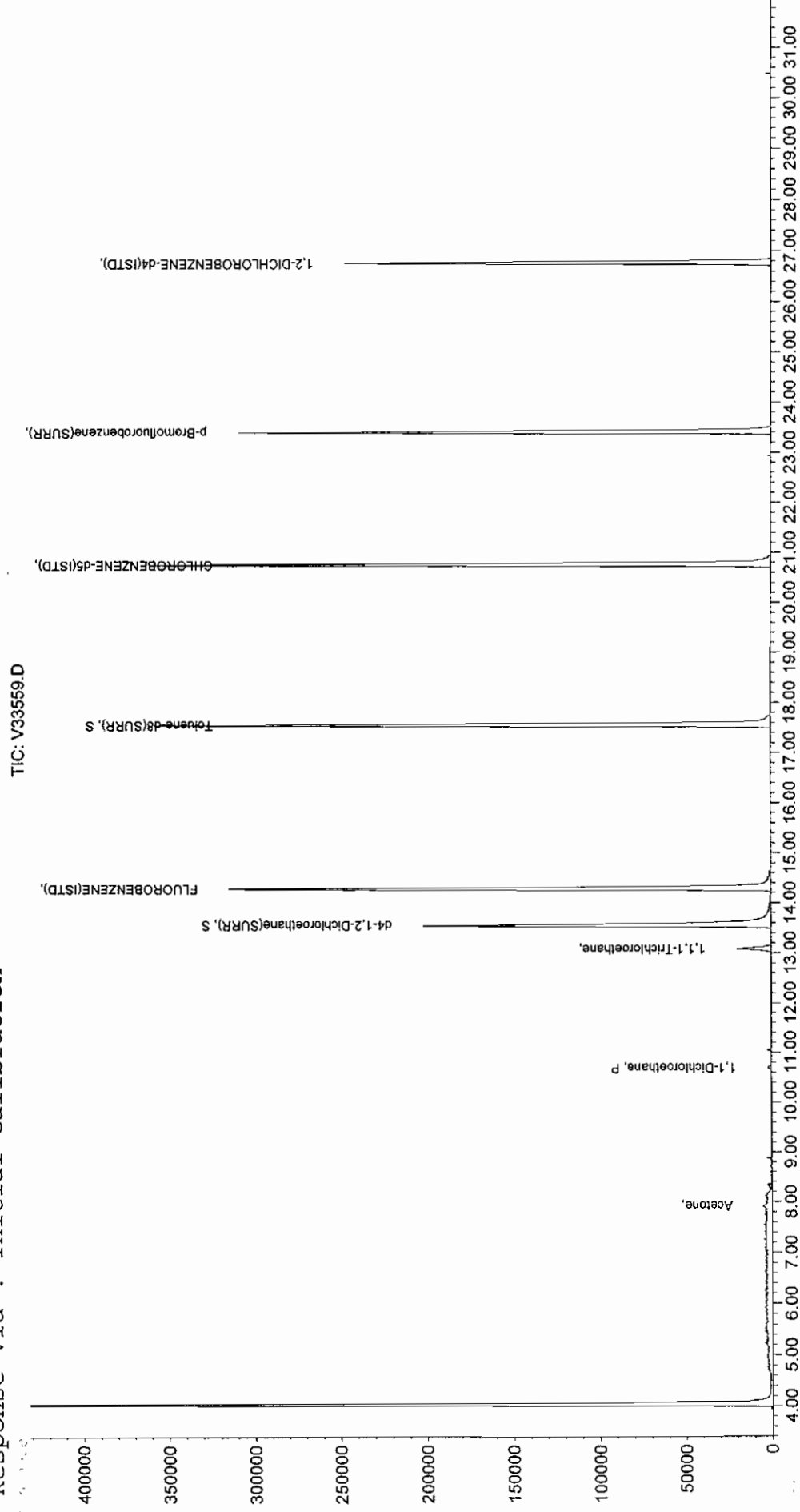
Quantitat: Report

Data File : C:\HPCHEM\1\DATA\V33559.D
 Acq On : 20 Apr 2001 2:51 am
 Sample : 01040168-09 \$8260W ASPB
 Misc : QBV2041901A
 MS Integration Params: rteint.p
 Quant Time: Apr 20 3:24 19101

Vial: 20
 Operator: BB
 Inst : VOA No. 2
 Multiplr: 1.00

Quant Results File: V2C71W.RES

Method : C:\HPCHEM\1\METHODS\V2C71W.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Mon Apr 16 08:02:01 2001
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\V33559.D
Acq On : 20 Apr 2001 2:51 am
Sample : 01040168-09 \$8260W ASPB
Misc : QBV2041901A
MS Integration Params: rteint.p
Quant Time: Apr 20 3:24 19101

Vial: 20
Operator: BB
Inst : VOA No. 2
Multiplr: 1.00

Quant. Results File: V2C71W.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C71W.M (RTF Integrator)
Title : VOCs BY GC/MS 8240/8260
Last Update : Mon Apr 16 08:02:01 2001
Response via : Initial Calibration
DataAcq Meth : V2C71W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.29	70	131802	50.00	ppb	-0.10
26) CHLOROBENZENE-d5(ISTD)	20.77	117	272529	50.00	ppb	-0.09
48) 1,2-DICHLOROBENZENE-d4(IST	26.77	152	82906	50.00	ppb	-0.09

System Monitoring Compounds

22) d4-1,2-Dichloroethane(SURR	13.56	65	449756	53.76	ppb	-0.12
Spiked Amount	50.000	Range	67 - 128	Recovery	=	107.52%
33) Toluene-d8(SURR)	17.56	98	437113	54.12	ppb	-0.09
Spiked Amount	50.000	Range	87 - 113	Recovery	=	108.24%
50) p-Bromofluorobenzene(SURR)	23.41	174	116413	59.66	ppb	-0.09
Spiked Amount	50.000	Range	63 - 166	Recovery	=	119.32%

Target Compounds

						Qvalue
8) 1,1-Dichloroethylene	8.32	61	4866	0.99	ppb	# 84
13) Acetone	7.93	43	5040	5.45	ppb	# 96
14) 1,1-Dichloroethane	10.69	63	5218	1.02	ppb	# 93
20) 1,1,1-Trichloroethane	13.08	97	29527	3.21	ppb	# 99

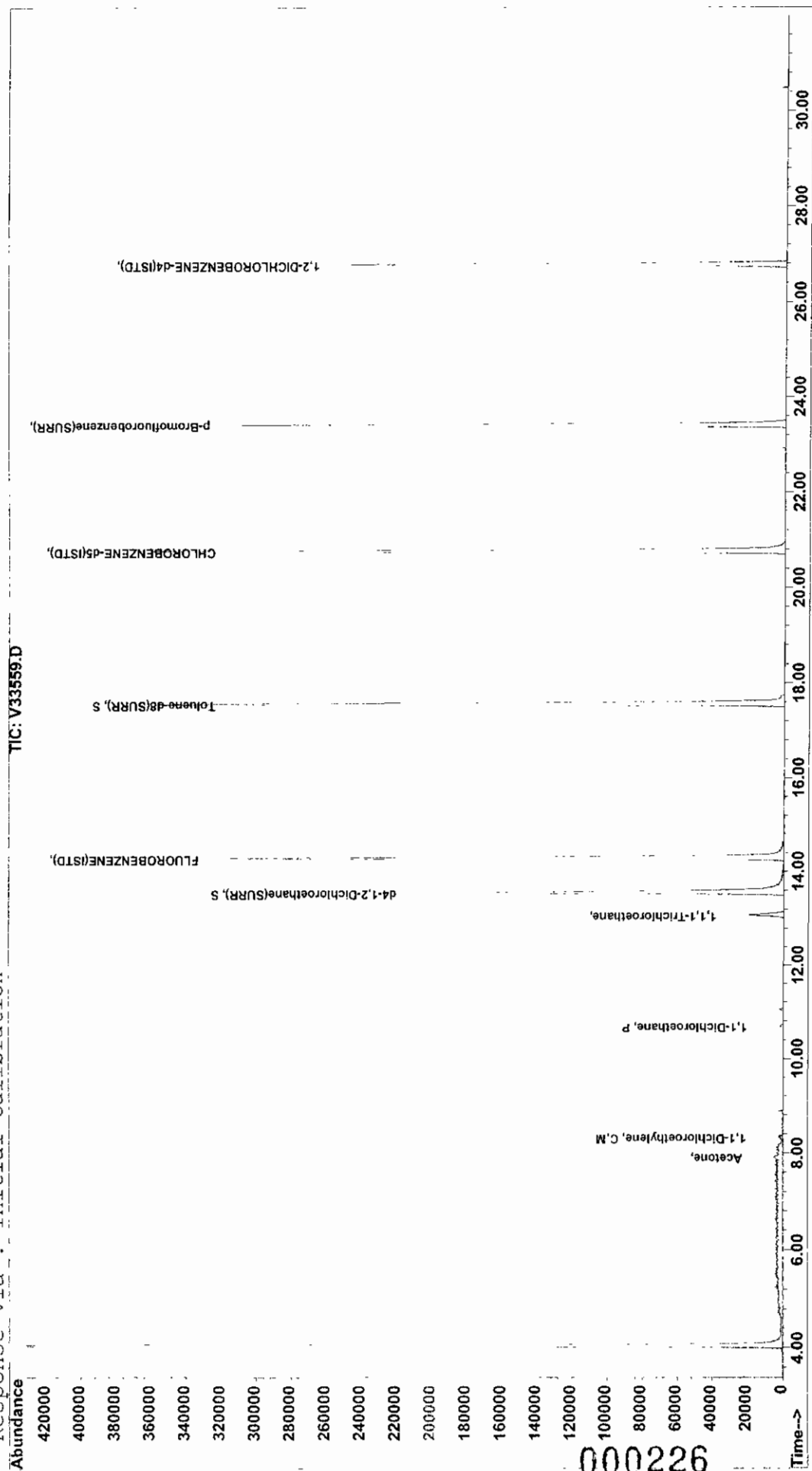
Quantitative Report

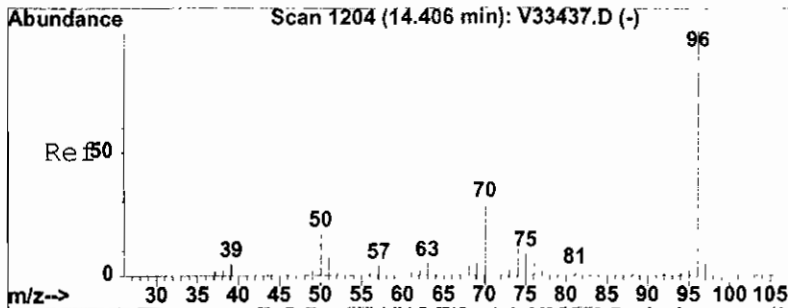
Data File : C:\HPCHEM\1\DATA\V33559.D
 Acq On : 20 Apr 2001 2:51 am
 Sample : 01040168-09 \$8260W ASPB
 Misc : QBV2041901A
 MS Integration Params: rteint.p
 Quant Time: Apr 20 3:24 19101

Vial: 20
 Operator: BB
 Inst : VOA No. 2
 Multiplr: 1.00

Quant Results File: V2C71W.RES

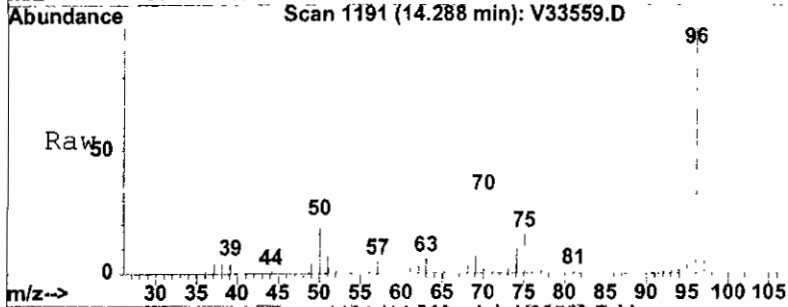
Method : C:\HPCHEM\1\METHODS\V2C71W.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Mon Apr 16 08:02:01 2001
 Response via : Initial Calibration



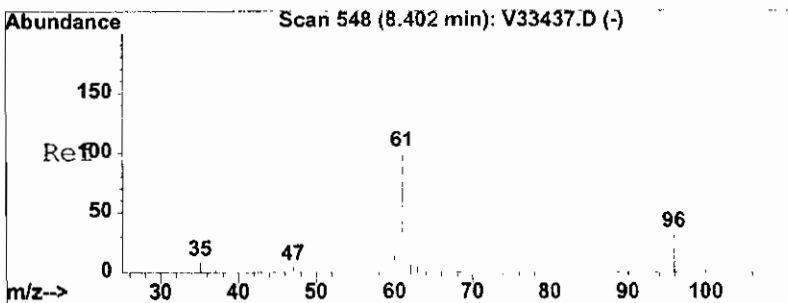
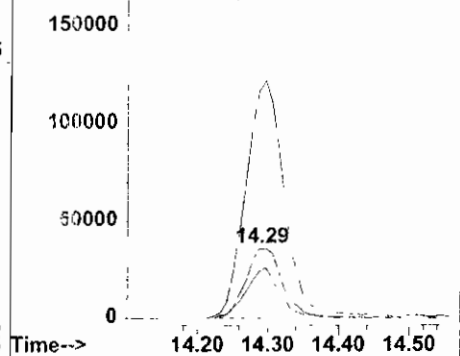
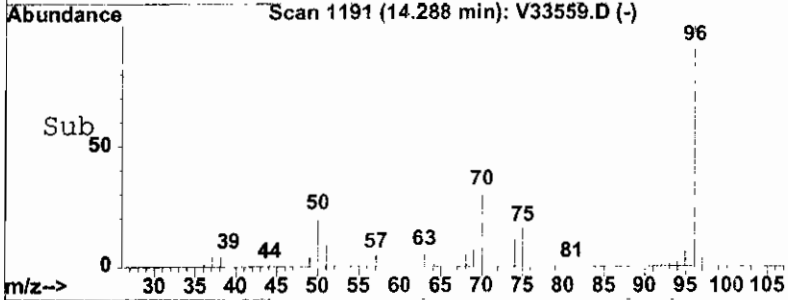


#1
 FLUOROBENZENE (ISTD)
 Concen: 50.00 ppb
 RT: 14.29 min Scan# 1191
 Delta R.T. -0.10 min
 Lab File: V33559.D
 Acq: 20 Apr 2001 2:51 am

Tgt Ion: 70 Resp: 131802
 Ion Ratio Lower Upper
 70 100
 96 351.2 300.1 450.1
 70 100.0 80.0 120.0
 50 65.3 50.2 75.2

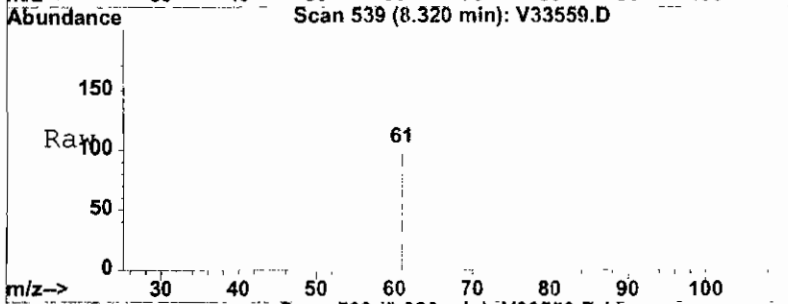


Abundance Ion 70.00 (69.70 to 70.70): V335
 Ion 96.00 (95.70 to 96.70): V335
 Ion 70.00 (69.70 to 70.70): V335
 Ion 50.00 (49.70 to 50.70): V335

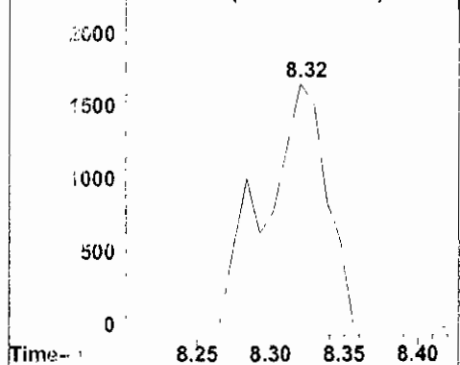
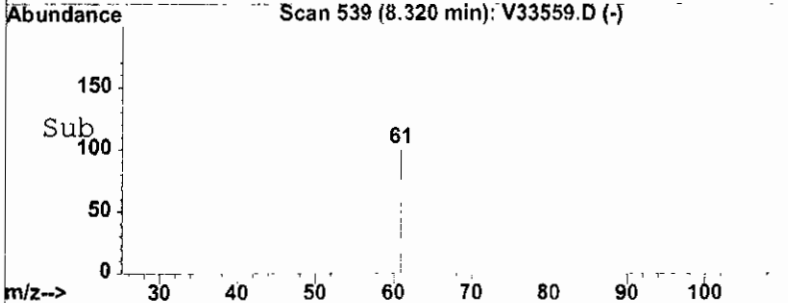


#8
 1,1-Dichloroethylene
 Concen: 0.99 ppb
 RT: 8.32 min Scan# 539
 Delta R.T. -0.08 min
 Lab File: V33559.D
 Acc: 20 Apr 2001 2:51 am

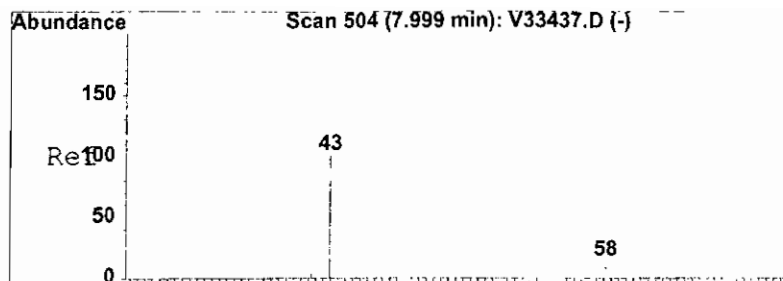
Tgt Ion: 61 Resp: 4866
 Ion Ratio Lower Upper
 61 100
 61 100.0 80.0 120.0
 96 0.0 23.7 35.5#
 98 0.0 14.6 21.8#



Abundance Ion 61.00 (60.70 to 61.70): V335
 Ion 61.00 (60.70 to 61.70): V335
 Ion 96.00 (95.70 to 96.70): V335
 Ion 98.00 (97.70 to 98.70): V335

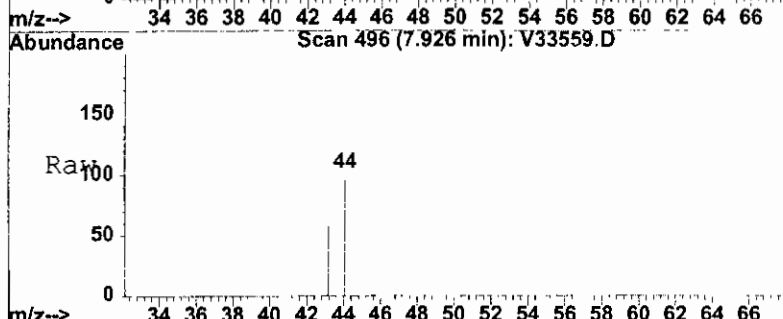


000227

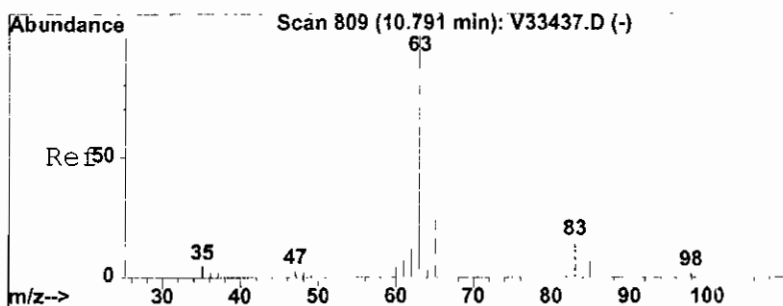
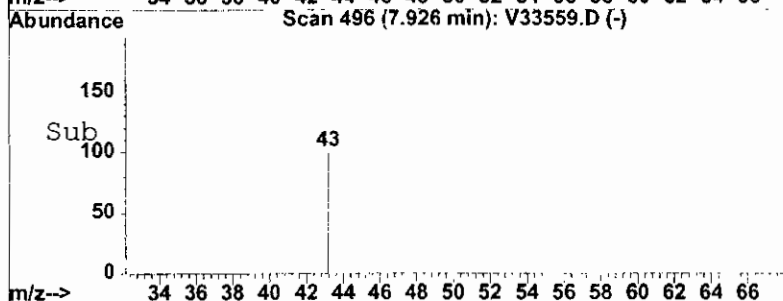
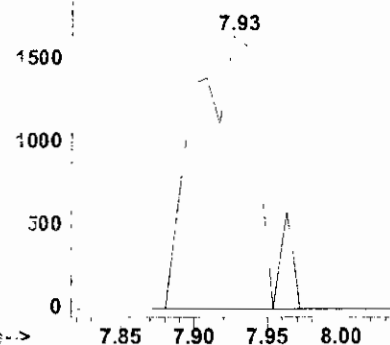


#13
Acetone
Concen: 5.45 ppb
RT: 7.93 min Scan# 496
Delta R.T. -0.06 min
Lab File: V33559.D
Acq: 20 Apr 2001 2:51 am

Tgt Ion: 43 Resp: 5040
Ion Ratio Lower Upper
4 100
43 100.0 80.0 120.0
58 0.0 10.8 16.2#

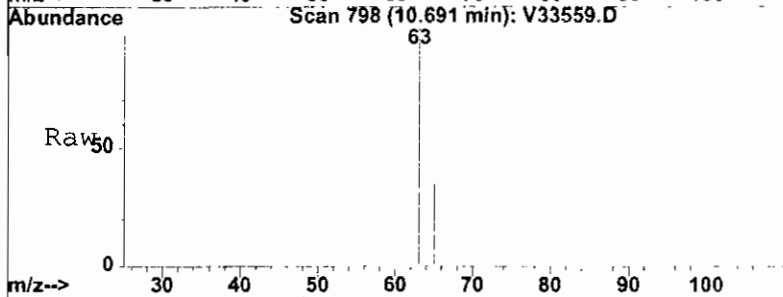


Abundance Ion 43.00 (42.70 to 43.70): V335
Ion 43.00 (42.70 to 43.70): V335
Ion 58.00 (57.70 to 58.70): V335

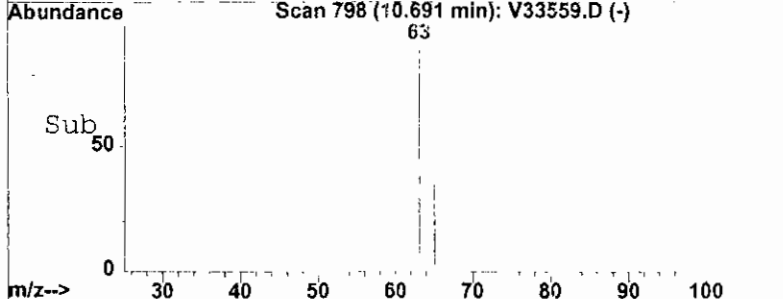
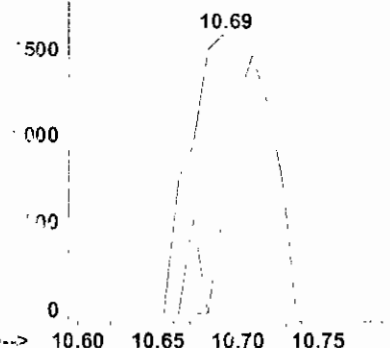


#14
1,1-Dichloroethane
Concen: 1.02 ppb
RT: 10.69 min Scan# 798
Delta R.T. -0.09 min
Lab File: V33559.D
Acq: 20 Apr 2001 2:51 am

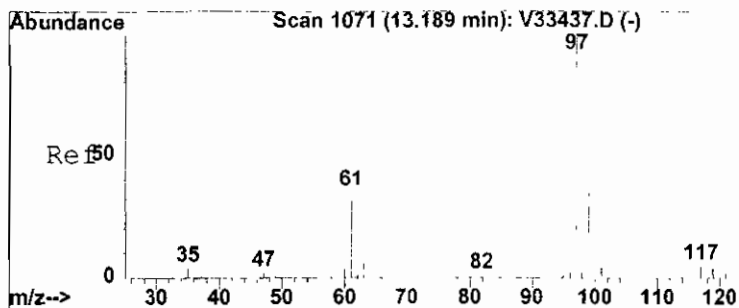
Tgt Ion: 63 Resp: 5248
Ion Ratio Lower Upper
63 100
63 100.0 80.0 120.0
64 11.4 22.5 33.7#



Abundance Ion 62.95 (62.65 to 63.65): V335
Ion 62.95 (62.65 to 63.65): V335
Ion 64.95 (64.65 to 65.65): V335

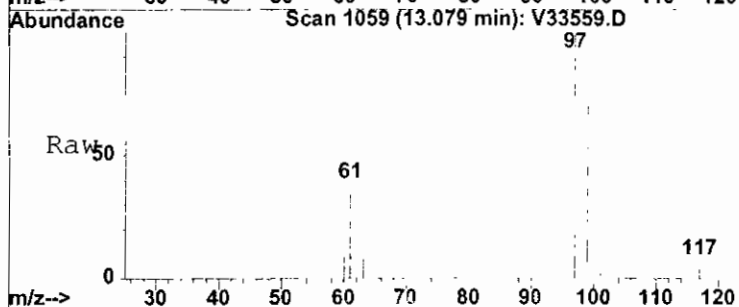


000228

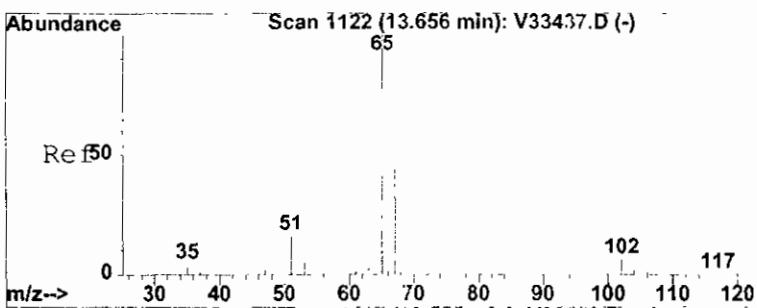
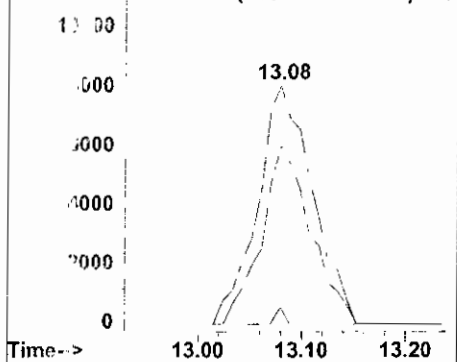
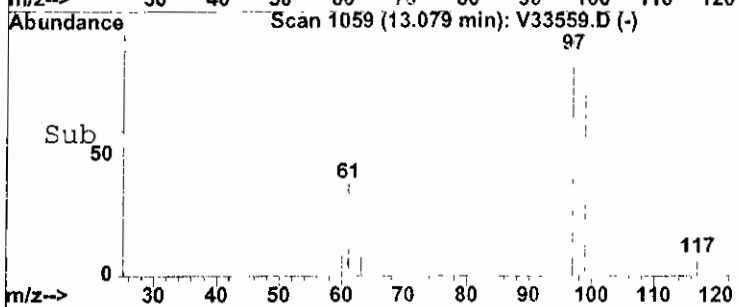


#2
1,1,1-Trichloroethane
Concen: 3.21 ppb
RT: 13.08 min Scan# 1059
Delta R.T. -0.10 min
Lab File: V33559.D
Acq: 20 Apr 2001 2:51 am

Tot Ion: 97 Resp: 29527
Ion Ratio Lower Upper
97 100
61 100.0 80.0 120.0
97 67.2 52.3 78.5
117 1.0 4.6 6.8#

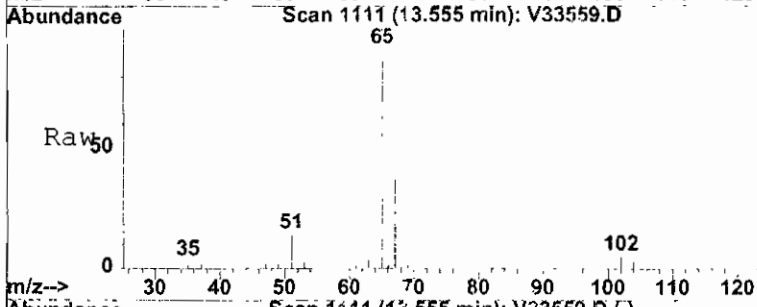


Abundance Ion 96.95 (96.65 to 97.65): V335
Ion 96.95 (96.65 to 97.65): V335
12000 Ion 98.90 (98.60 to 99.60): V335
Ion 117.00 (116.70 to 117.70): V3

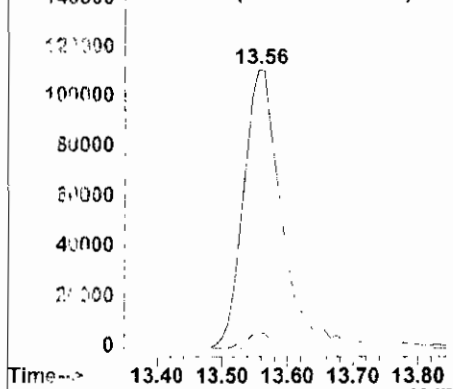
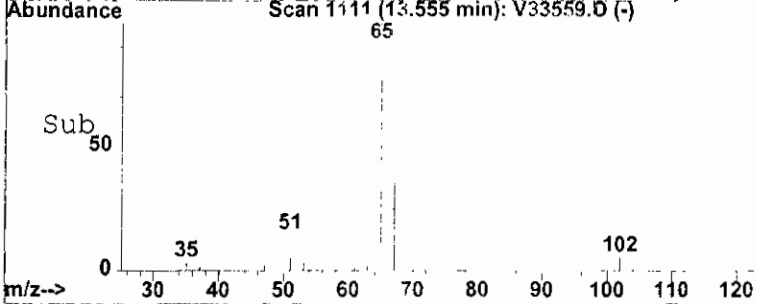


#2
d4-1,2-Dichloroethane (SURR)
Concen: 53.76 ppb
RT: 13.56 min Scan# 1111
Delta R.T. -0.12 min
Lab File: V33559.D
Acq: 20 Apr 2001 2:51 am

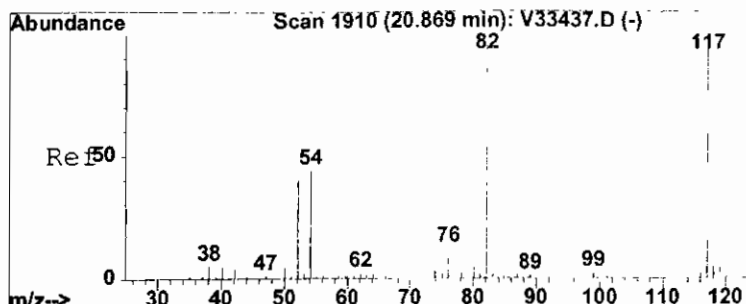
Tot Ion: 65 Resp: 449756
Ion Ratio Lower Upper
65 100
102 100.0 80.0 120.0
102 4.0 4.2 6.4#



Abundance Ion 65.00 (64.70 to 65.70): V335
Ion 65.00 (64.70 to 65.70): V335
140000 Ion 102.00 (101.70 to 102.70): V3



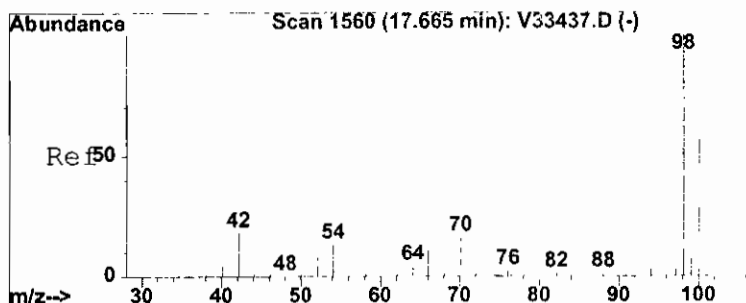
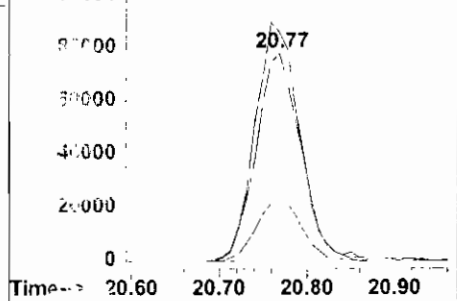
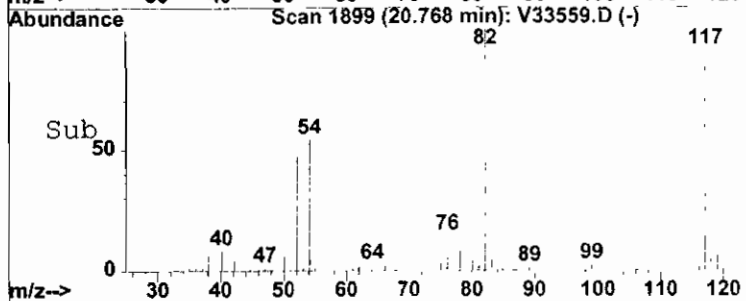
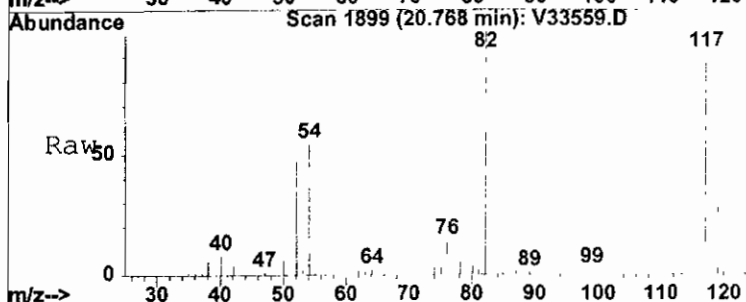
000229



#20
 CHLOROBENZENE-d5 (ISTD)
 Concen: 50.00 ppb
 RT 20.77 min Scan# 1899
 Delta R.T. -0.09 min
 Lab File: V33559.D
 Acq: 20 Apr 2001 2:51 am

Tot Ion: 117 Resp: 272529
 Ion Ratio Lower Upper
 11 100
 11 100.0 80.0 120.0
 8 115.3 0.0 0.0#
 11 0.0 22.8 34.2#

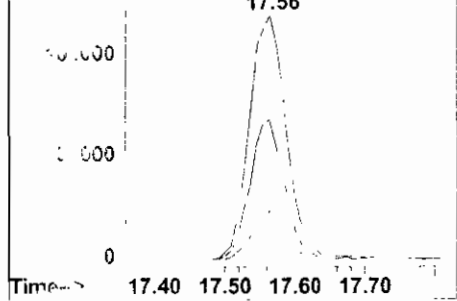
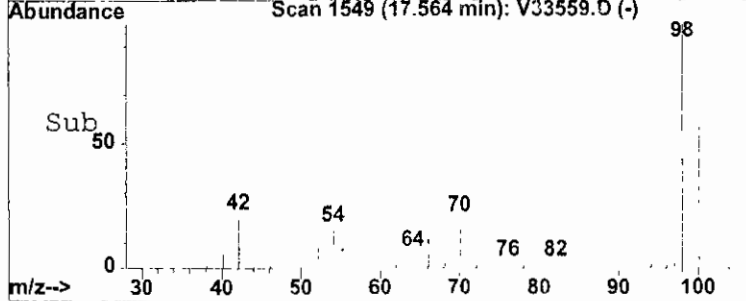
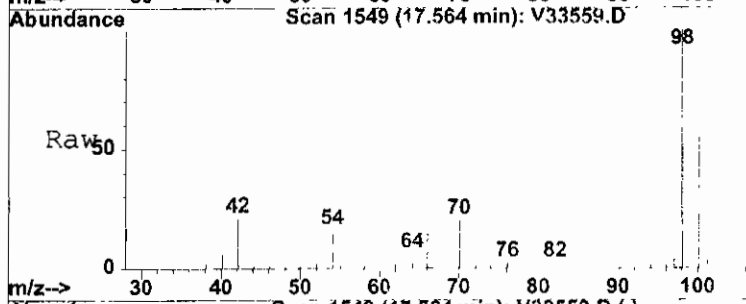
Abundance Ion 117.00 (116.70 to 117.70): V3
 11 100
 Ion 117.00 (116.70 to 117.70): V3
 Ion 82.00 (81.70 to 82.70): V335
 Ion 119.00 (118.70 to 119.70): V3



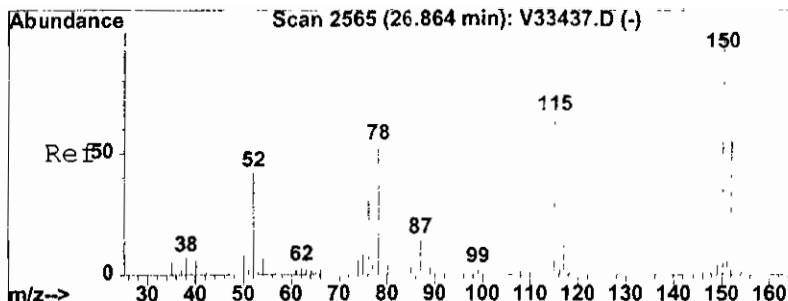
#20
 Toluene-d8 (SURR)
 Concen: 54.12 ppb
 RT 17.56 min Scan# 1549
 Delta R.T. -0.09 min
 Lab File: V33559.D
 Acq: 20 Apr 2001 2:51 am

Tot Ion: 98 Resp: 437173
 Ion Ratio Lower Upper
 98 100
 98 100.0 80.0 120.0
 100 53.1 45.0 67.4
 70 0.0 0.0 0.0

Abundance Ion 98.00 (97.70 to 98.70): V335
 Ion 98.00 (97.70 to 98.70): V335
 Ion 100.00 (99.70 to 100.70): V33
 Ion 70.00 (69.70 to 70.70): V335



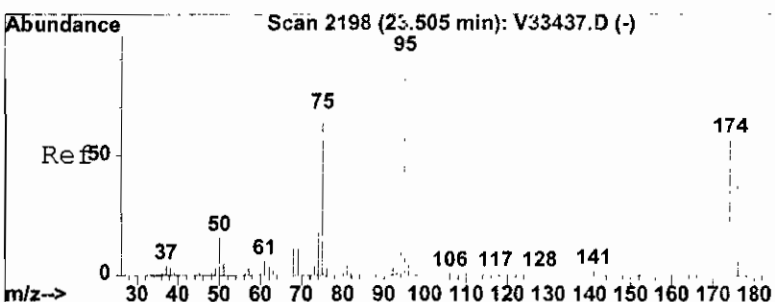
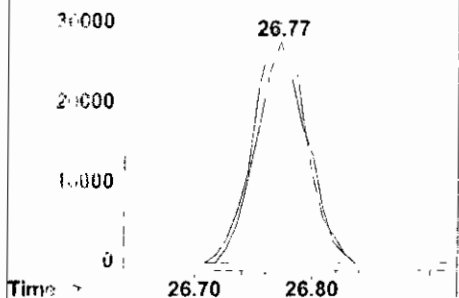
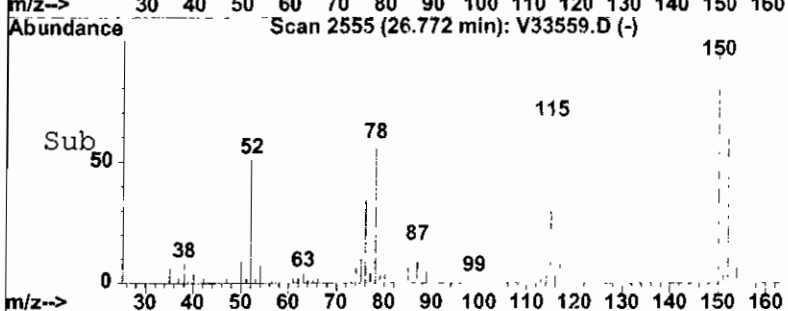
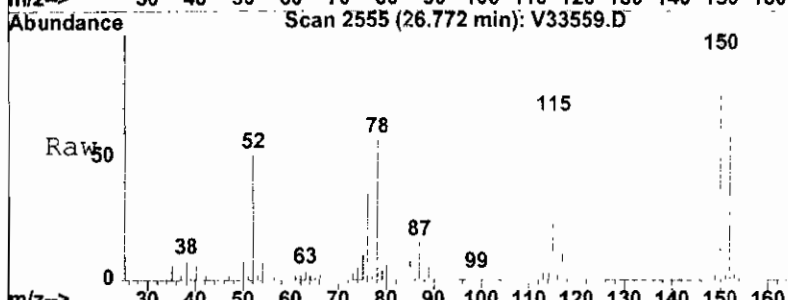
000230



#4
1,4-DICHLOROBENZENE-d4 (ISTD)
Concen: 50.00 ppb
RT 26.77 min Scan# 2555
Delta R.T. -0.09 min
Lab File: V33559.D
Acq: 20 Apr 2001 2:51 am

Tgt Ion: 152 Resp: 82906
Ion Ratio Lower Upper
15 100
15 100.0 80.0 120.0
15 100.0 80.0 120.0
15 0.0 0.0 0.0

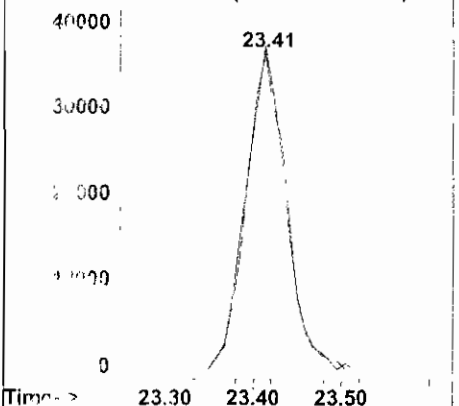
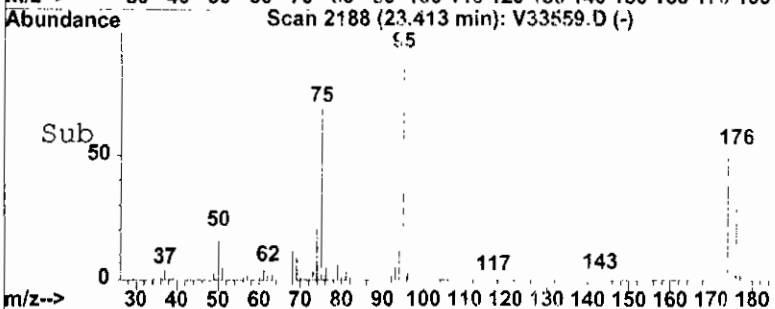
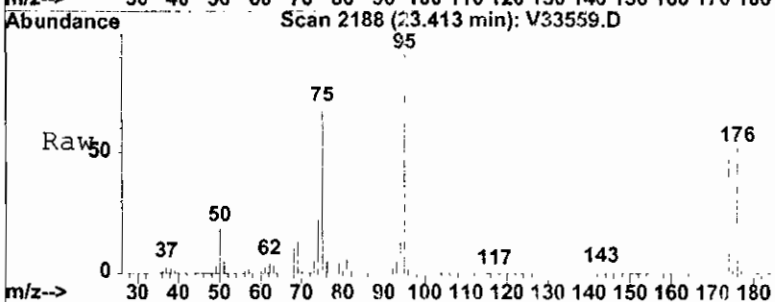
Abundance Ion 152.00 (151.70 to 152.70): V3
Ion 152.00 (151.70 to 152.70): V3
Ion 152.00 (151.70 to 152.70): V3
Ion 115.00 (114.70 to 115.70): V3



#5
p-bromofluorobenzene (SURR)
Concen: 59.66 ppb
RT 23.41 min Scan# 2188
Delta R.T. -0.09 min
Lab File: V33559.D
Acq: 20 Apr 2001 2:51 am

Tgt Ion: 174 Resp: 116413
Ion Ratio Lower Upper
17 100
17 102.6 74.0 111.0

Abundance Ion 174.00 (173.70 to 174.70): V3
Ion 176.00 (175.70 to 176.70): V3



000231

Data File : C:\HPCHEM\1\DATA\V33560.D

Vial: 21

Acq On : 20 Apr 2001 3:32 am

Operator: BB

Sample : 01040168-10 \$8260W ASPB

Inst : VOA No. 2

Misc : QBV2041901A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Apr 20 4:04 19101

Quant Results File: V2C71W.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C71W.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Mon Apr 16 08:02:01 2001

Response via : Initial Calibration

DataAcq Meth : V2C71W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.30	70	131293	50.00	ppb	-0.09
26) CHLOROBENZENE-d5(ISTD)	20.77	117	278268	50.00	ppb	-0.09
48) 1,2-DICHLOROBENZENE-d4(IST	26.77	152	81555	50.00	ppb	-0.09

System Monitoring Compounds

22) d4-1,2-Dichloroethane(SURR	13.55	65	451014	54.12	ppb	-0.13
Spiked Amount	50.000	Range	67 - 128	Recovery	=	108.24%
33) Toluene-d8(SURR)	17.56	98	431501	52.32	ppb	-0.10
Spiked Amount	50.000	Range	87 - 113	Recovery	=	104.64%
50) p-Bromofluorobenzene(SURR)	23.41	174	115869	60.36	ppb	-0.08
Spiked Amount	50.000	Range	63 - 166	Recovery	=	120.72%

Target Compounds

						Qvalue
13) Acetone	7.93	43	1041	~~1.13~~	ppb	# 96
38) Tetrachloroethylene	19.17	166	9115	5	5.11	ppb 96
40) Dibromochloromethane	19.17	129	8395	~~2.55~~	ppb	# 63

6

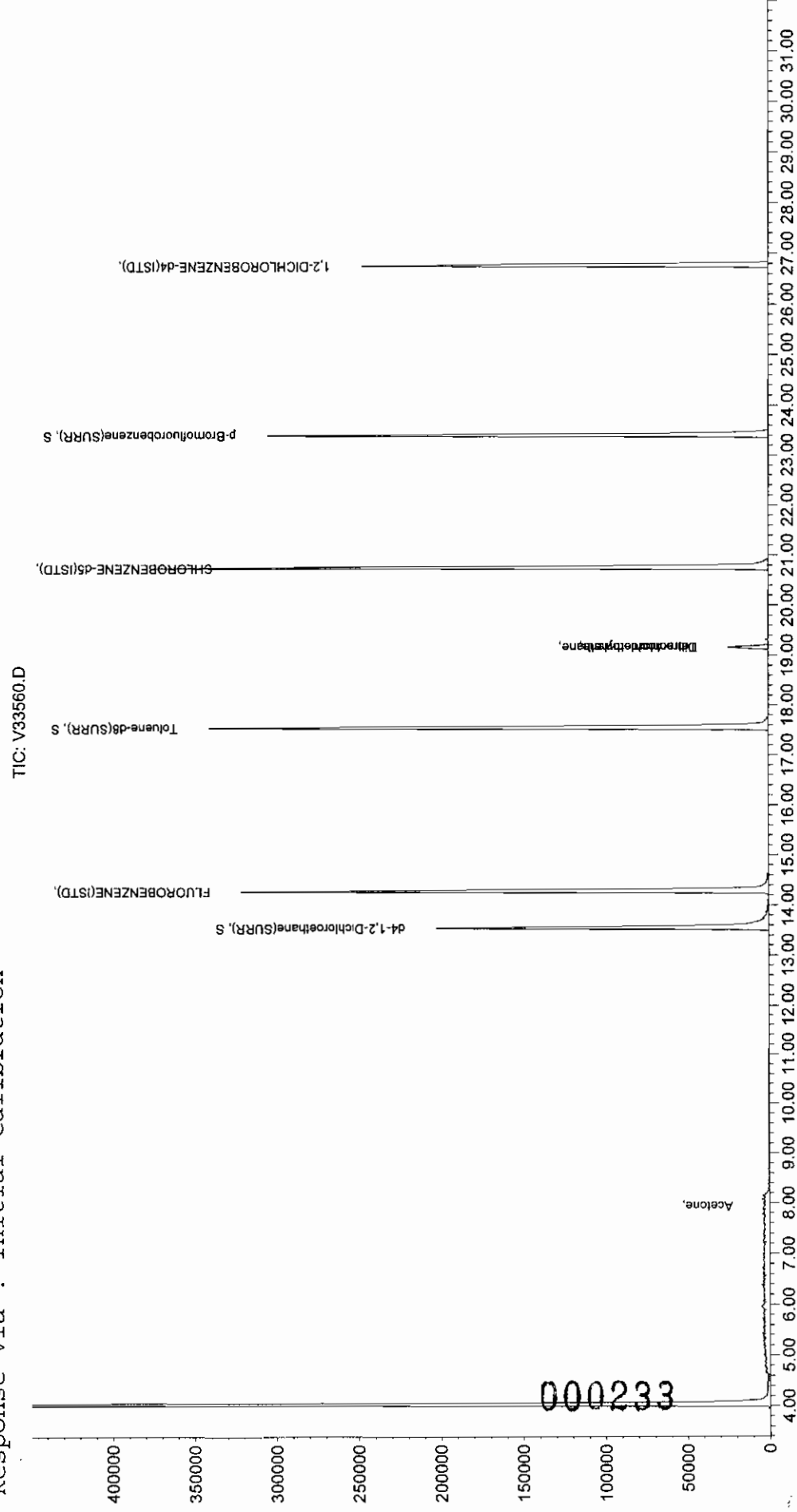
Quantitat: Report

Data File : C:\HPCHEM\1\DATA\V33560.D
 Acq On : 20 Apr 2001 3:32 am
 Sample : 01040168-10 \$8260W ASPB
 Misc : QBV2041901A
 MS Integration Params: rteint.p
 Quant Time: Apr 20 4:04 19101

Vial: 21
 Operator: BB
 Inst : VOA No. 2
 Multiplr: 1.00

Quant Results File: V2C71W.RES

Method : C:\HPCHEM\1\METHODS\V2C71W.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Mon Apr 16 08:02:01 2001
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\V33560.D
 Acq On : 20 Apr 2001 3:32 am
 Sample : 01040168-10 \$8260W ASPB
 Misc : QBV2041901A
 MS Integration Params: rteint.p
 Quant Time: Apr 20 4:04 19101

Vial: 21
 Operator: BB
 Inst : VOA No. 2
 Multiplr: 1.00

Qual Results File: V2C71W.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C71W.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Mon Apr 16 08:02:01 2001
 Response via : Initial Calibration
 DataAcq Meth : V2C71W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.30	70	131293	50.00	ppb	-0.09
26) CHLOROBENZENE-d5(ISTD)	20.77	117	278278	50.00	ppb	-0.09
48) 1,2-DICHLOROBENZENE-d4(ISTD)	26.77	152	81555	50.00	ppb	-0.09

System Monitoring Compounds

22) d4-1,2-Dichloroethane(SURR)	13.55	65	45104	54.12	ppb	-0.13
Spiked Amount	50.000	Range	67 - 128	Recovery	=	108.24%
33) Toluene-d8(SURR)	17.56	98	431501	52.32	ppb	-0.10
Spiked Amount	50.000	Range	87 - 113	Recovery	=	104.64%
50) p-Bromofluorobenzene(SURR)	23.41	174	115869	60.36	ppb	-0.08
Spiked Amount	50.000	Range	63 - 166	Recovery	=	120.72%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acetone	7.93	43	1041	1.13	ppb	# 96
38) Tetrachloroethylene	19.17	166	915	5.11	ppb	# 96
40) Dibromochloromethane	19.17	129	835	2.55	ppb	# 63

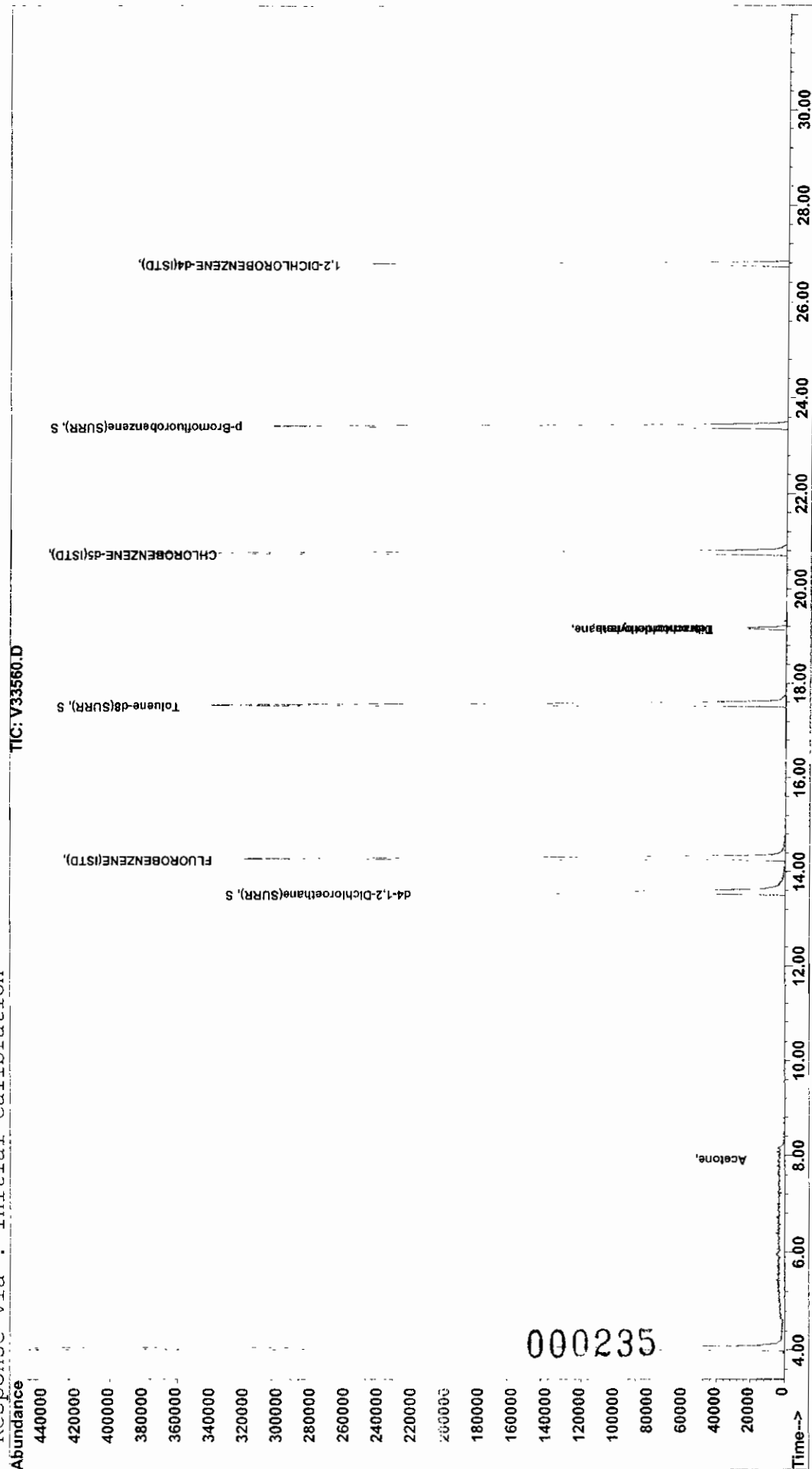
Quantitati Report

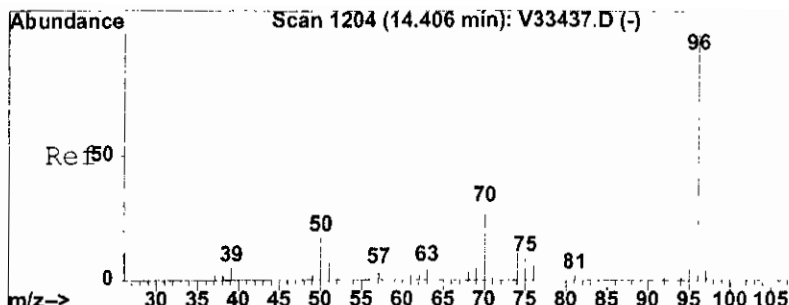
Data File : C:\HPCHEM\1\DATA\V33560.D
 Acq On : 20 Apr 2001 3:32 am
 Sample : 01040168-10 \$8260W ASPB
 Misc : QBV2041901A
 MS Integration Params: rteint.p
 Quant Time: Apr 20 4:04 19101

Vial: 21
 Operator: BB
 Inst : VOA No. 2
 Multiplr: 1.00

Quant Results File: V2C71W.RES

Method : C:\HPCHEM\1\METHODS\V2C71W.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Mon Apr 16 08:02:01 2001
 Response via : Initial Calibration

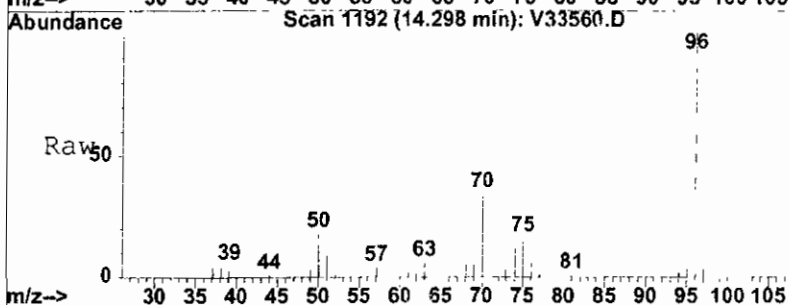




#1
 FLUOROBENZENE (ISTD)
 Concen: 50.00 ppb
 RT: 14.30 min Scan# 1192
 Delta R.T. -0.09 min
 Lab File: V33560.D
 Acq: 20 Apr 2001 3:32 am

Tgt Ion: 70 Resp: 131293

Ion	Ratio	Lower	Upper
70	100		
96	340.1	300.1	450.1
75	100.0	80.0	120.0
50	63.6	50.2	75.2



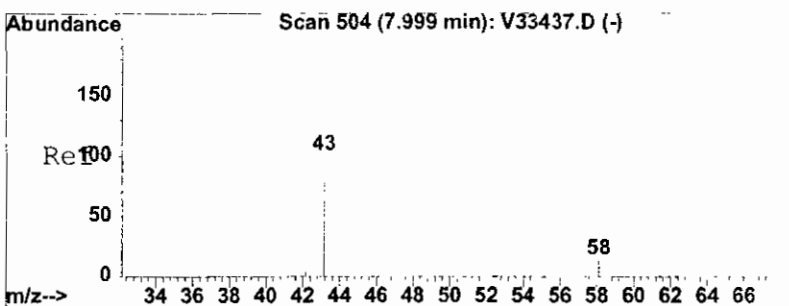
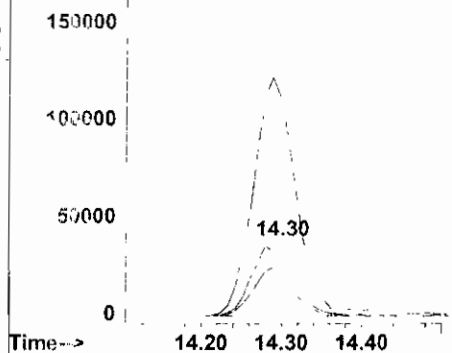
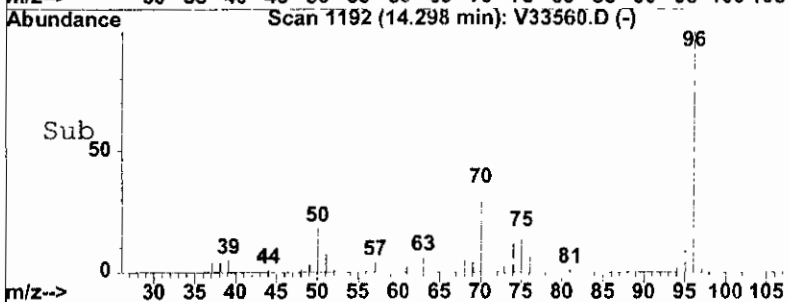
Abundance

Ion 70.00 (69.70 to 70.70): V335

Ion 96.00 (95.70 to 96.70): V335

Ion 70.00 (69.70 to 70.70): V335

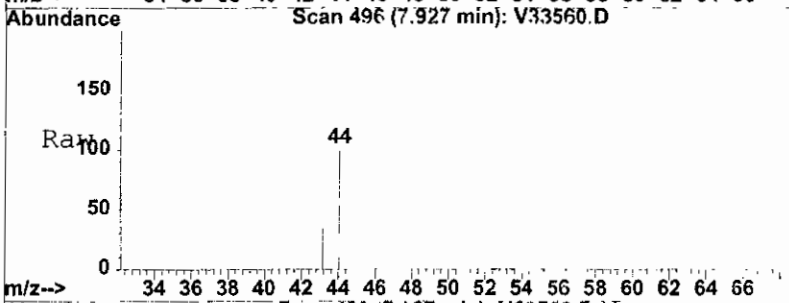
Ion 50.00 (49.70 to 50.70): V335



#13
 Acetone
 Concen: 1.13 ppb
 RT: 7.93 min Scan# 496
 Delta R.T. -0.06 min
 Lab File: V33560.D
 Acq: 20 Apr 2001 3:32 am

Tgt Ion: 43 Resp: 1041

Ion	Ratio	Lower	Upper
43	100		
55	100.0	80.0	120.0
58	0.0	10.8	16.2#

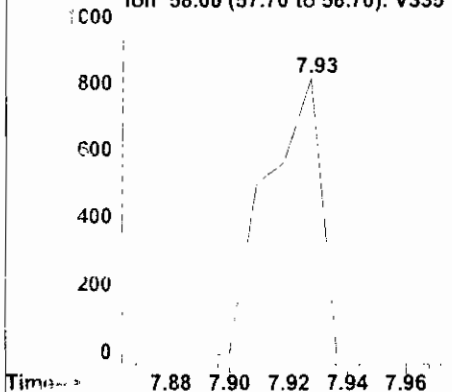
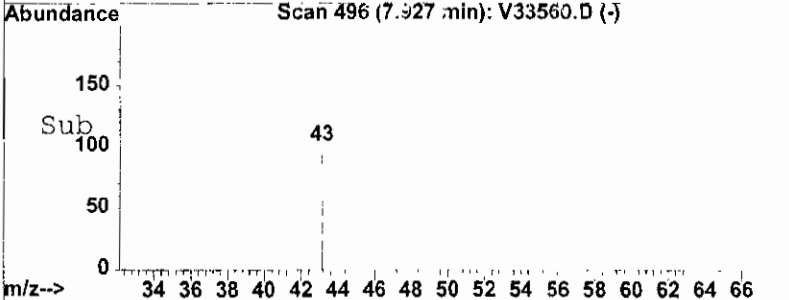


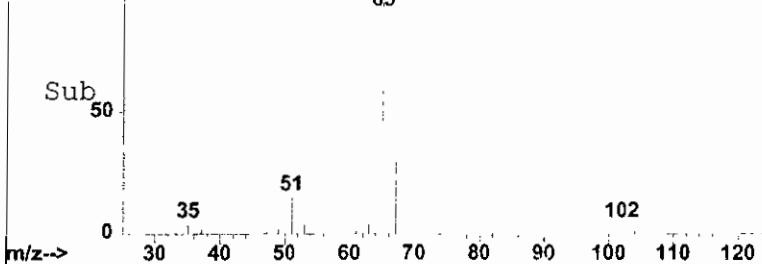
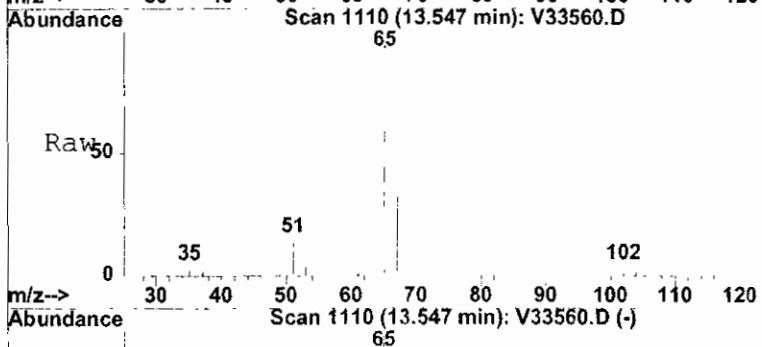
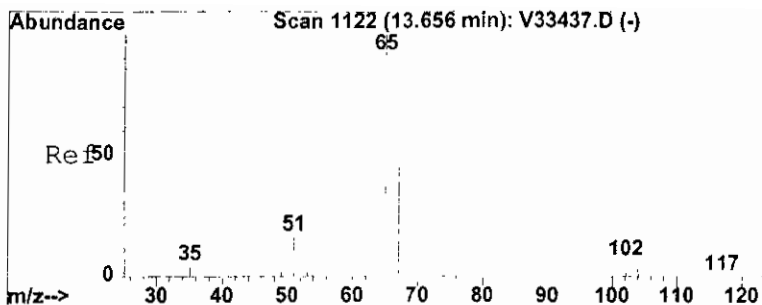
Abundance

Ion 43.00 (42.70 to 43.70): V335

Ion 43.00 (42.70 to 43.70): V335

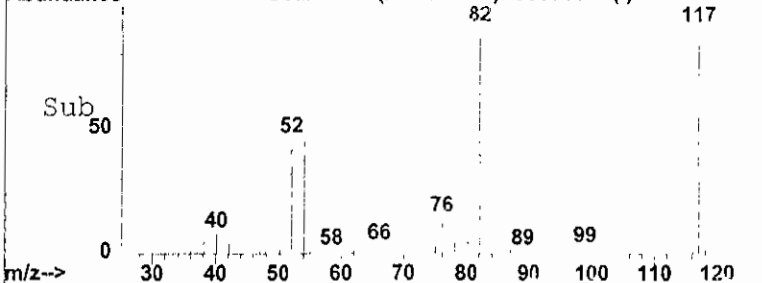
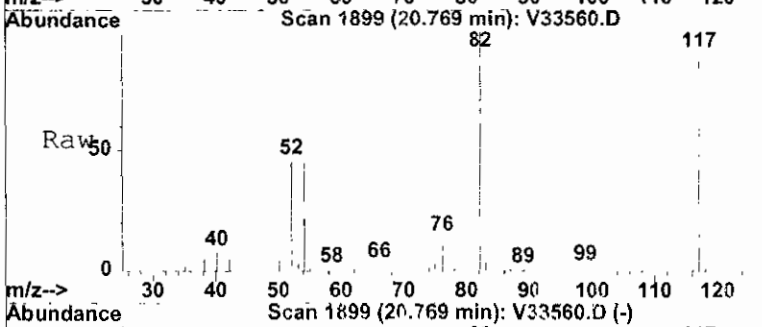
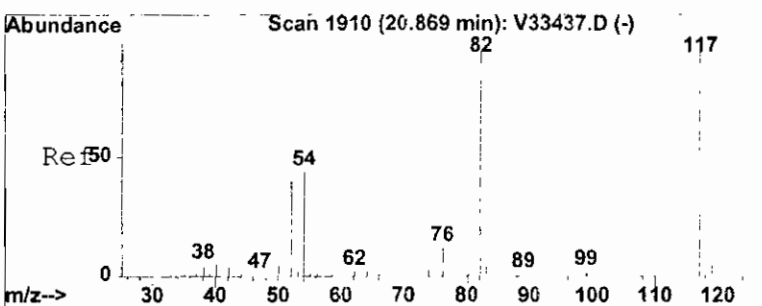
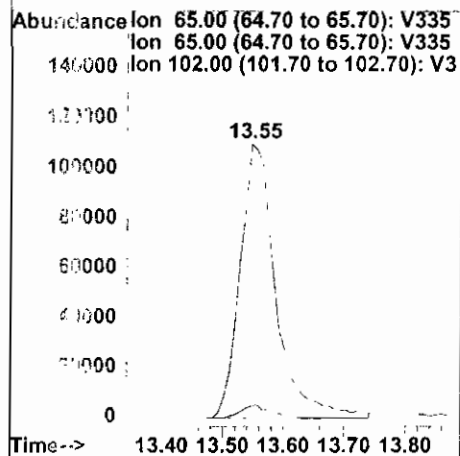
Ion 58.00 (57.70 to 58.70): V335





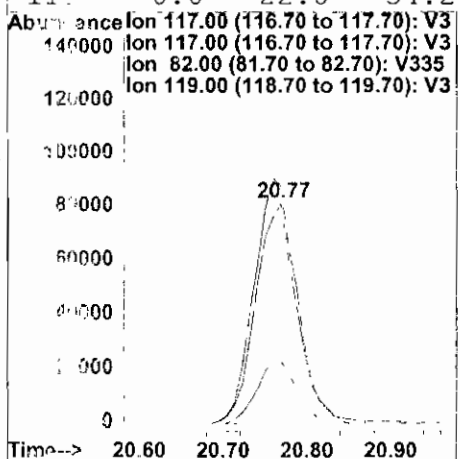
#22
d: 1,2-Dichloroethane (SURR)
Concen: 54.12 ppb
RT: 13.55 min Scan# 1110
Delta R.T. -0.13 min
Lab File: V33560.D
Acq: 20 Apr 2001 3:32 am

Tgt Ion: 65 Resp: 451014
Ion Ratio Lower Upper
65 100
100 100.0 80.0 120.0
102 3.9 4.2 6.4#

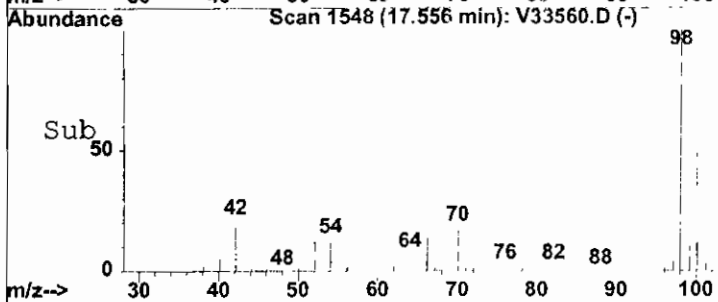
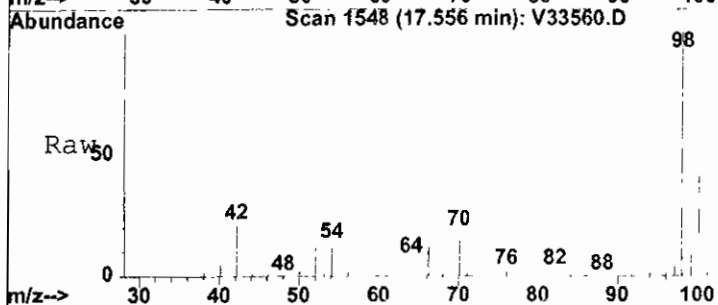
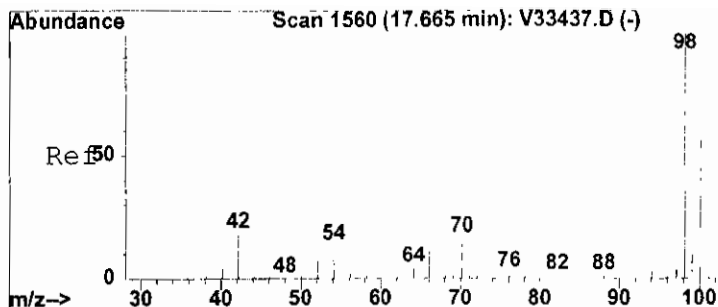


#26
CHLOROBENZENE-d5 (ISTD)
Concen: 50.00 ppb
RT: 20.77 min Scan# 1899
Delta R.T. -0.09 min
Lab File: V33560.D
Acq: 20 Apr 2001 3:32 am

Tgt Ion: 117 Resp: 278268
Ion Ratio Lower Upper
117 100
117 100.0 80.0 120.0
82 114.8 0.0 0.0#
119 0.0 22.8 34.2#



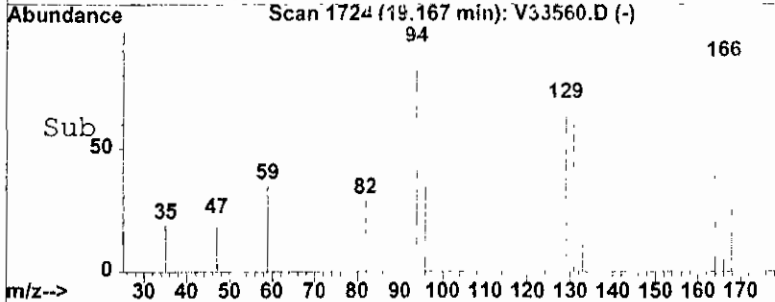
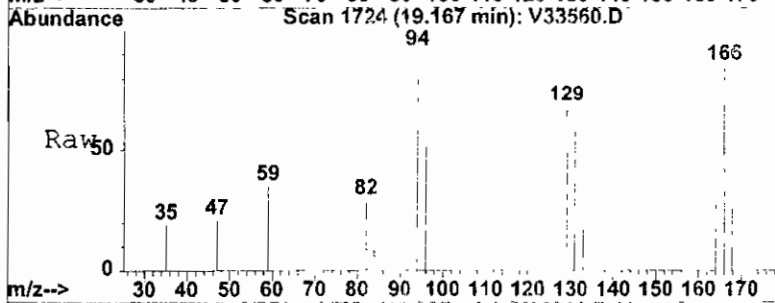
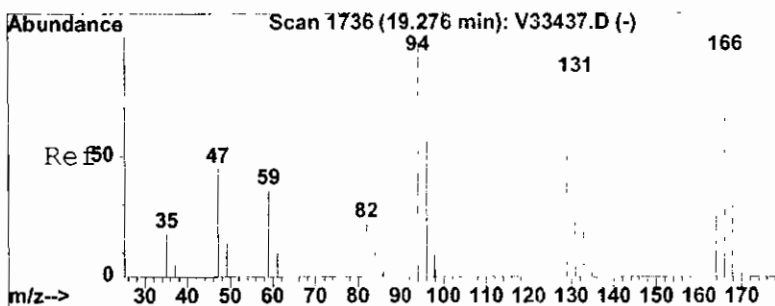
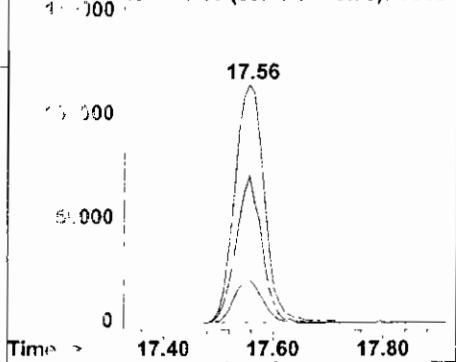
000237



#2
Toluene-d8 (SURR)
Concen: 52.32 ppb
RT 17.56 min Scan# 1548
Delta R.T. -0.10 min
Lab File: V33560.D
Acq: 20 Apr 2001 3:32 am

T₀ Ion: 98 Resp: 431501
Ion Ratio Lower Upper
100 100
100.0 80.0 120.0
54.0 45.0 67.4
0.0 0.0 0.0

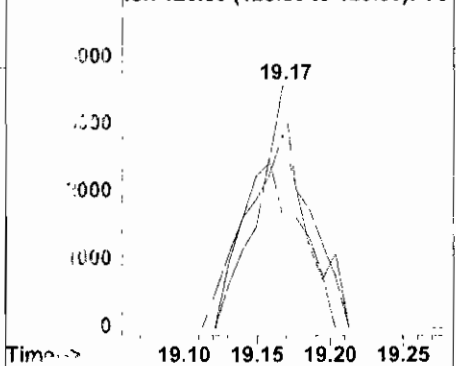
Abundance Ion 98.00 (97.70 to 98.70): V335
Ion 98.00 (97.70 to 98.70): V335
Ion 100.00 (99.70 to 100.70): V335
Ion 70.00 (69.70 to 70.70): V335



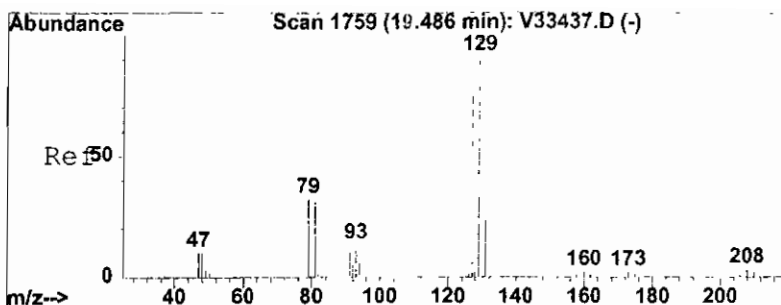
#3
Trachloroethylene
Concen: 5.11 ppb
RT 19.17 min Scan# 1724
Delta R.T. -0.10 min
Lab File: V33560.D
Acq: 20 Apr 2001 3:32 am

T₀ Ion: 166 Resp: 9115
Ion Ratio Lower Upper
100 100
100.0 80.0 120.0
67.0 61.5 92.3
92.1 71.0 106.6

Abundance Ion 165.85 (165.55 to 166.55): V3
Ion 165.85 (165.55 to 166.55): V3
Ion 163.80 (163.50 to 164.50): V3
Ion 128.80 (128.50 to 129.50): V3

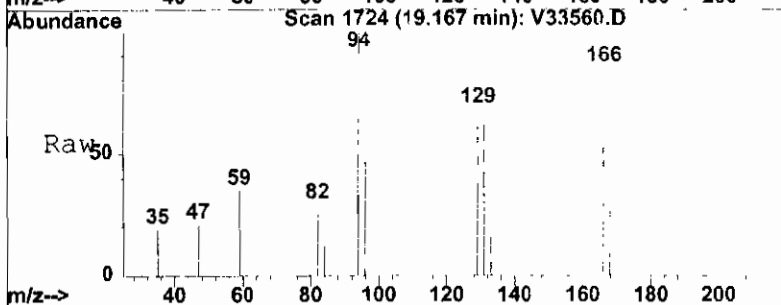


000238

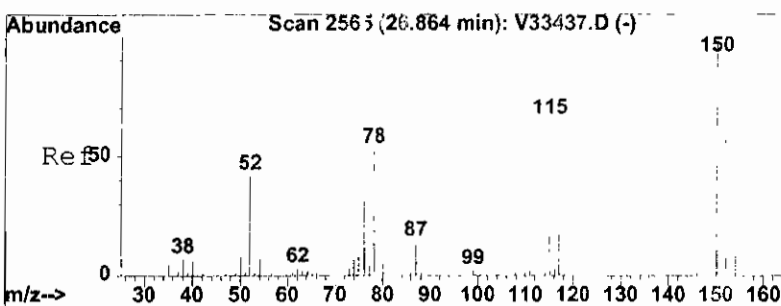
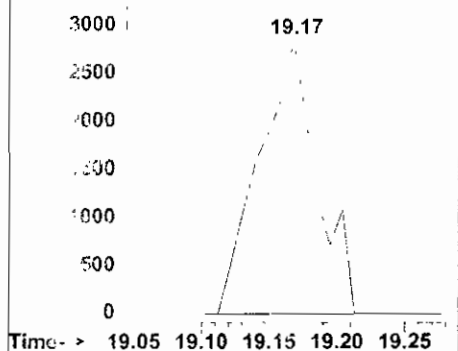
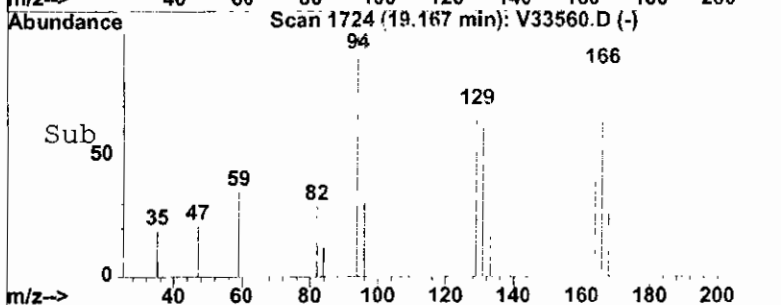


 Dibromochloromethane
 Concn: 2.55 ppb
 RT 19.17 min Scan# 1724
 Delta R.T. -0.31 min
 Lab File: V33560.D
 App 20 Apr 2001 3:32 am

Tgt Ion:129 Resp: 8395
 Ion Ratio Lower Upper
 1 100
 12 100.0 80.0 120.0
 1 0.0 59.6 89.4#

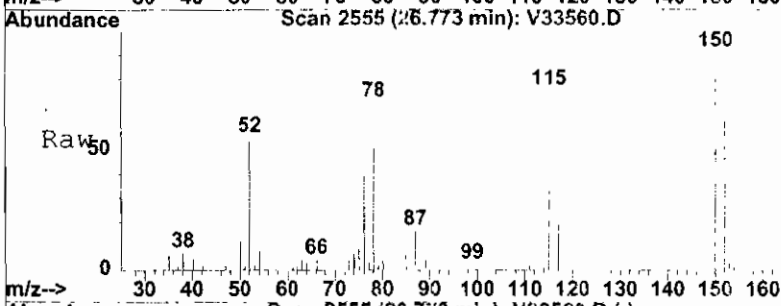


Abundance Ion 129.00 (128.70 to 129.70): V3
 Ion 129.00 (128.70 to 129.70): V3
 Ion 127.00 (126.70 to 127.70): V3

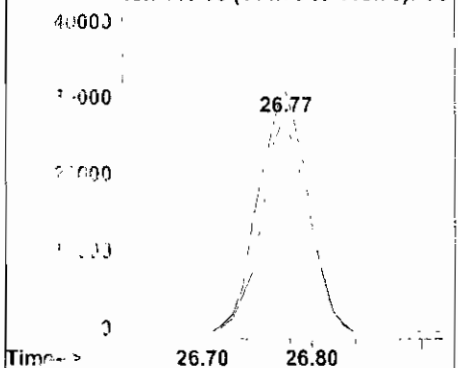
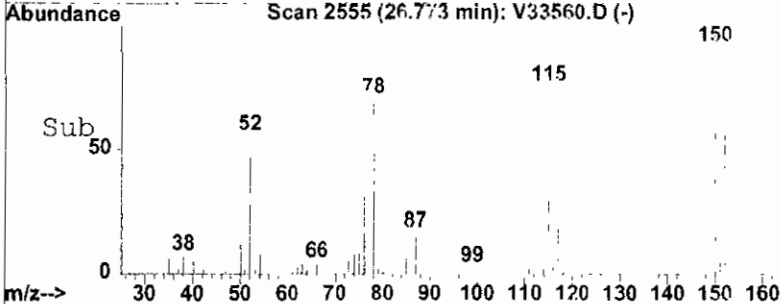


 1,4-DICHLOROBENZENE-d4 (ISTD)
 Concn: 50.00 ppb
 RT 26.77 min Scan# 2555
 Delta R.T. -0.09 min
 Lab File: V33560.D
 App 20 Apr 2001 3:32 am

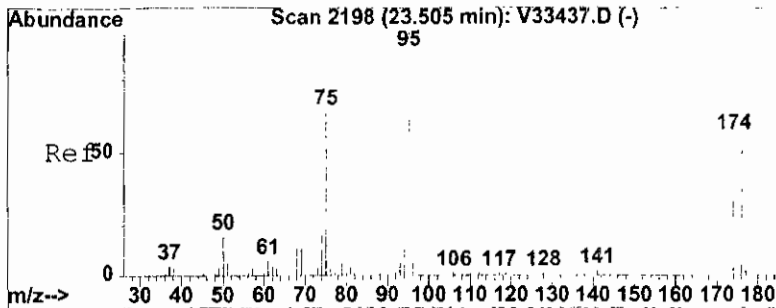
Tgt Ion:152 Resp: 81555
 Ion Ratio Lower Upper
 1 100
 15 100.0 80.0 120.0
 15 100.0 80.0 120.0
 11 0.0 0.0 0.0



Abundance Ion 152.00 (151.70 to 152.70): V3
 Ion 152.00 (151.70 to 152.70): V3
 Ion 152.00 (151.70 to 152.70): V3
 Ion 115.00 (114.70 to 115.70): V3

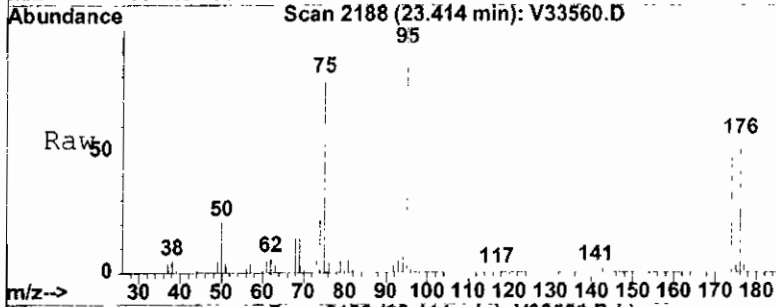


000239

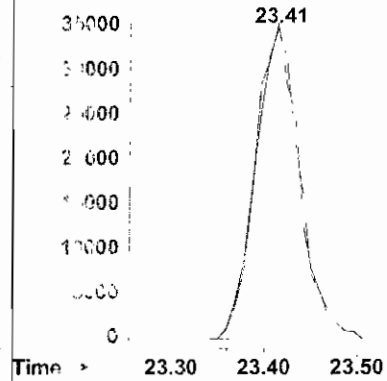
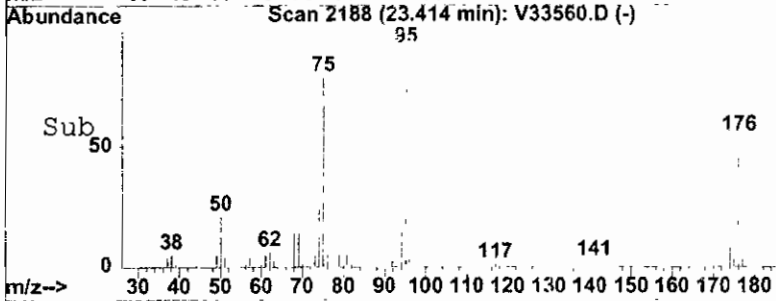


#56
p-Tromofluorobenzene (SURRE)
Concen: 60.36 ppb
Rt: 23.41 min Scan# 2188
Delta R.T. -0.08 min
Lo File: V33560.D
Acq: 20 Apr 2001 3:32 am

Tot Ion: 174 Resp: 115869
Ion Ratio Lower Upper
174 100
176 101.7 74.0 111.0



Abundance Ion 174.00 (173.70 to 174.70): V3
Ion 176.00 (175.70 to 176.70): V3



000240

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\V33561.D
 Acq On : 20 Apr 2001 4:11 am
 Sample : 01040168-11 \$8260W ASPB
 Misc : QBV2041901A
 MS Integration Params: rteint.p
 Quant Time: Apr 20 4:44 19101

Vial: 22
 Operator: BB
 Inst : VOA No. 2
 Multiplr: 1.00

Quant Results File: V2C71W.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C71W.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Mon Apr 16 08:02:01 2001
 Response via : Initial Calibration
 DataAcq Meth : V2C71W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.30	70	132445	50.00	ppb	-0.09
26) CHLOROBENZENE-d5(ISTD)	20.76	117	273113	50.00	ppb	-0.10
48) 1,2-DICHLOROBENZENE-d4(IST)	26.77	152	81969	50.00	ppb	-0.09
System Monitoring Compounds						
22) d4-1,2-Dichloroethane(SURR)	13.55	65	449135	53.42	ppb	-0.12
Spiked Amount 50.000	Range	67 - 128	Recovery	=	106.84%	
33) Toluene-d8(SURR)	17.55	98	430742	53.21	ppb	-0.10
Spiked Amount 50.000	Range	87 - 113	Recovery	=	106.42%	
50) p-Bromofluorobenzene(SURR)	23.41	174	119850	62.12	ppb	-0.09
Spiked Amount 50.000	Range	63 - 166	Recovery	=	124.24%	
Target Compounds						
13) Acetone	7.92	43	1735	1.85	ppb	Qvalue # 96

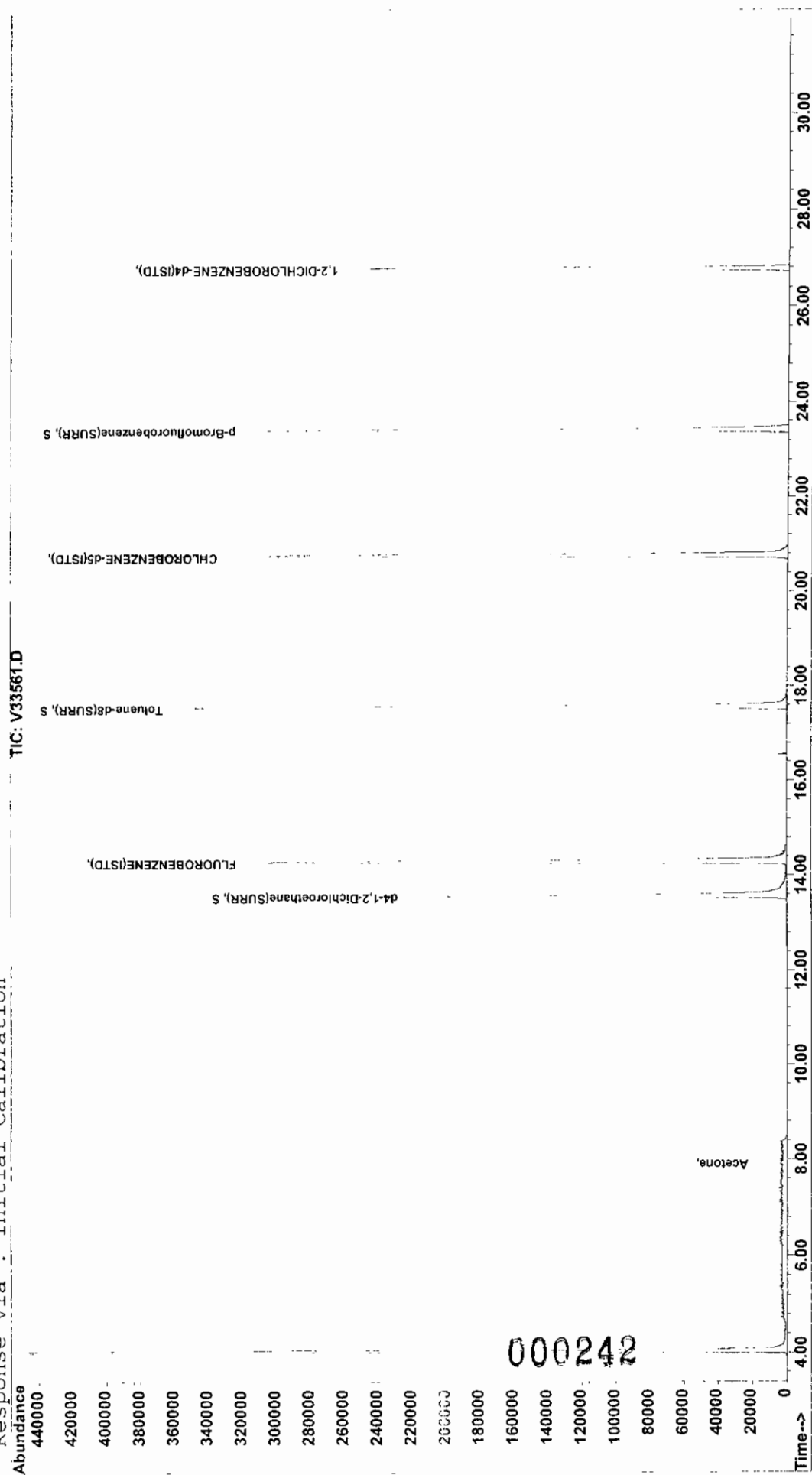
Quantitati Report

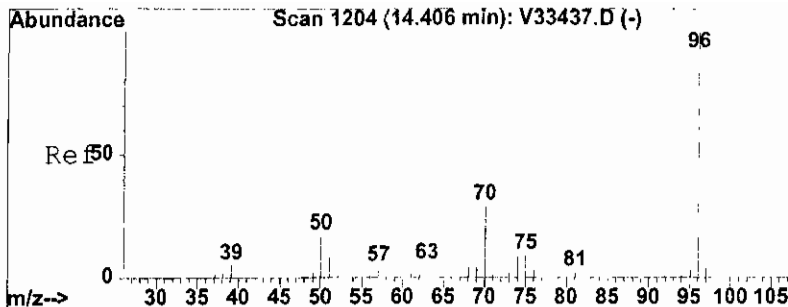
Data File : C:\HPCHEM\1\DATA\V33561.D
 Acq On : 20 Apr 2001 4:11 am
 Sample : 01040168-11 \$8260W ASPB
 Misc : QBV2041901A
 MS Integration Params: rteint.p
 Quant Time: Apr 20 4:44 19101

Vial: 22
 Operator: BB
 Inst : VOA No. 2
 Multiplr: 1.00

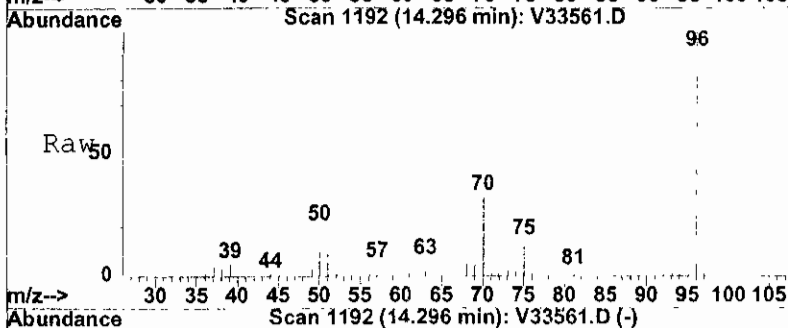
Quant Results File: V2C71W.RES

Method : C:\HPCHEM\1\METHODS\V2C71W.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Mon Apr 16 08:02:01 2001
 Response via : Initial Calibration

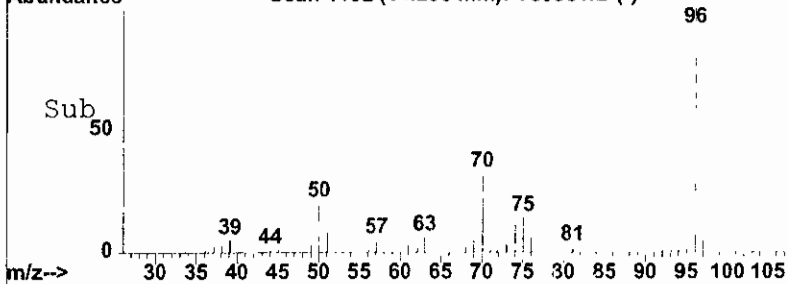




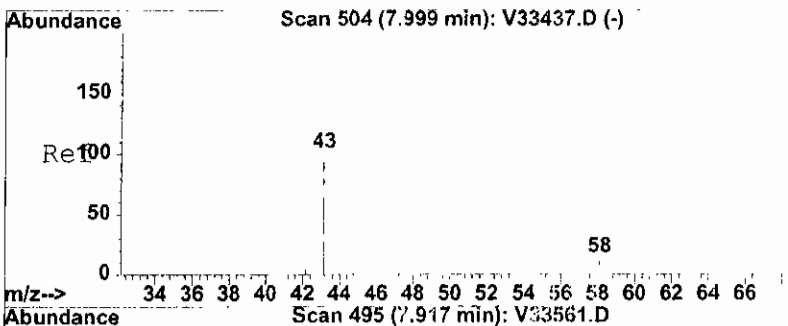
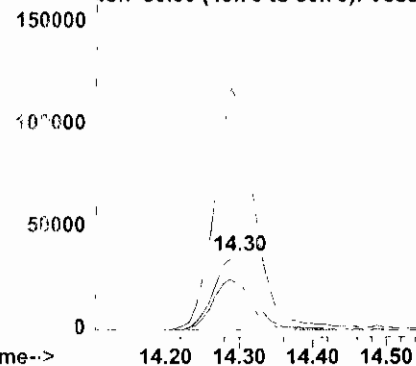
#1
FLUOROBENZENE (ISTD)
Concen: 50.00 ppb
RT: 14.30 min Scan# 1192
Delta R.T. -0.09 min
Lab File: V33561.D
Acq: 20 Apr 2001 4:11 am



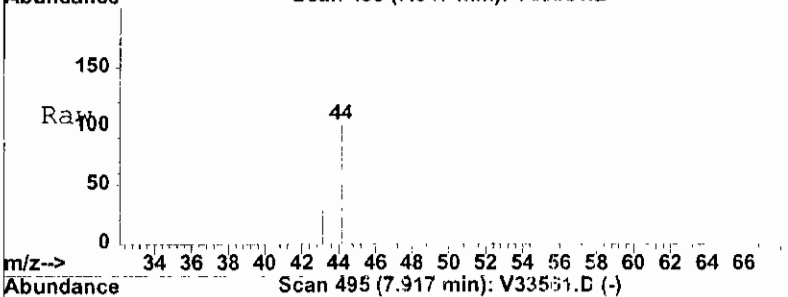
Tgt Ion: 70 Resp: 132465
Ion Ratio Lower Upper
70 100
9 334.5 300.1 450.1
7 100.0 80.0 120.0
50 65.6 50.2 75.2



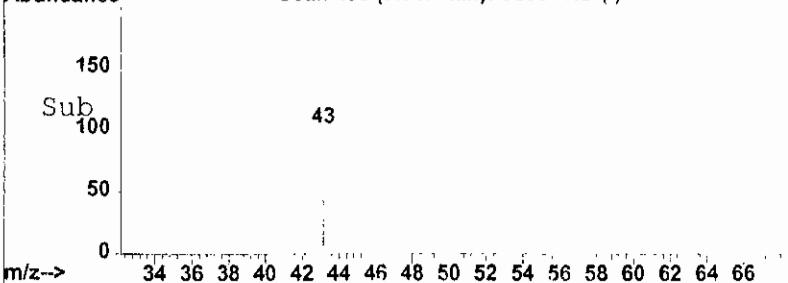
Abundance Ion 70.00 (69.70 to 70.70): V335
Ion 96.00 (95.70 to 96.70): V335
Ion 70.00 (69.70 to 70.70): V335
Ion 50.00 (49.70 to 50.70): V335



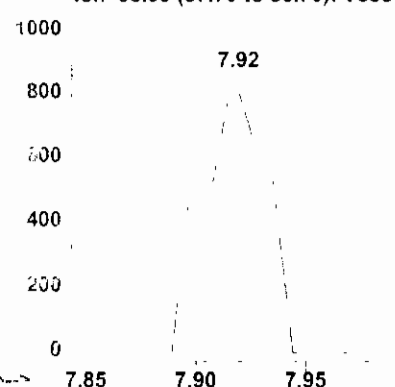
#3
Acetone
Concen: 1.85 ppb
RT: 7.92 min Scan# 495
Delta R.T. -0.07 min
Lab File: V33561.D
Acq: 20 Apr 2001 4:11 am



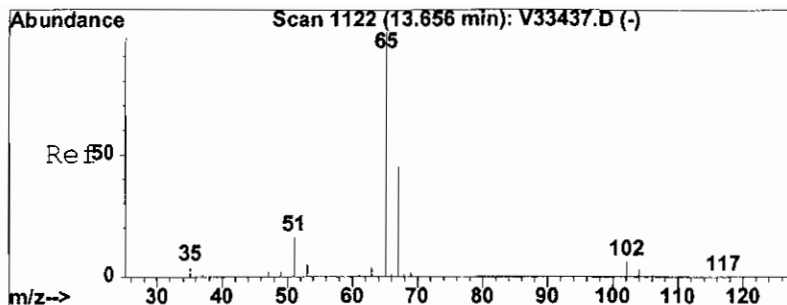
Tgt Ion: 43 Resp: 1725
Ion Ratio Lower Upper
43 100
1 100.0 80.0 120.0
5 0.0 10.8 16.2#



Abundance Ion 43.00 (42.70 to 43.70): V335
Ion 43.00 (42.70 to 43.70): V335
Ion 58.00 (57.70 to 58.70): V335



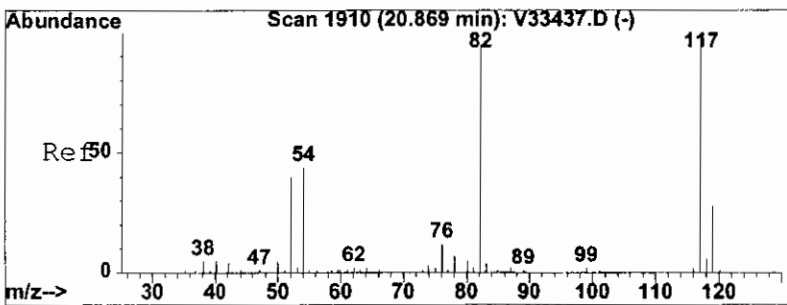
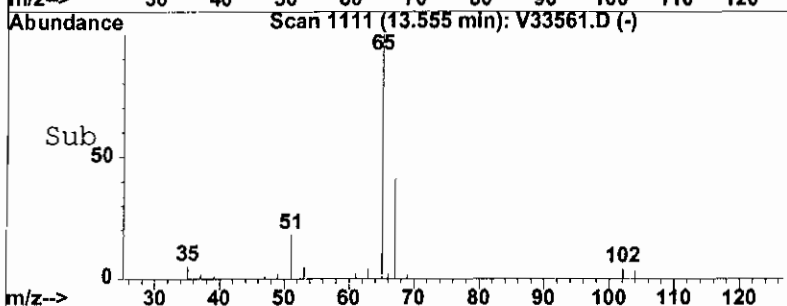
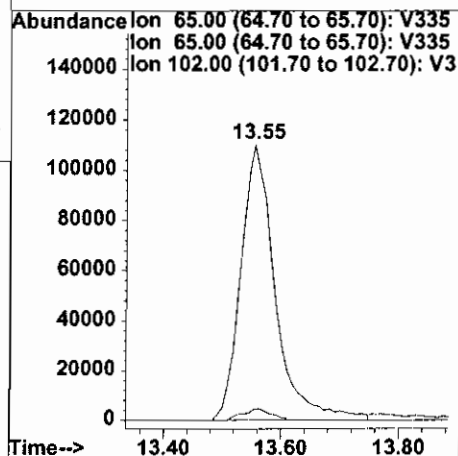
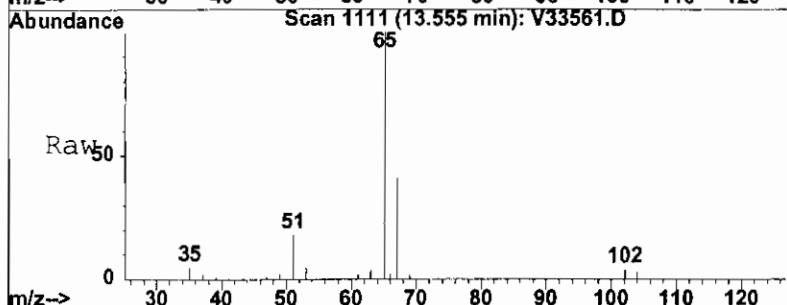
000243



#22
d4-1,2-Dichloroethane (SURR)
Concen: 53.42 ppb
RT: 13.55 min Scan# 1111
Delta R.T. -0.12 min
Lab File: V33561.D
Acq: 20 Apr 2001 4:11 am

Tgt Ion: 65 Resp: 449135

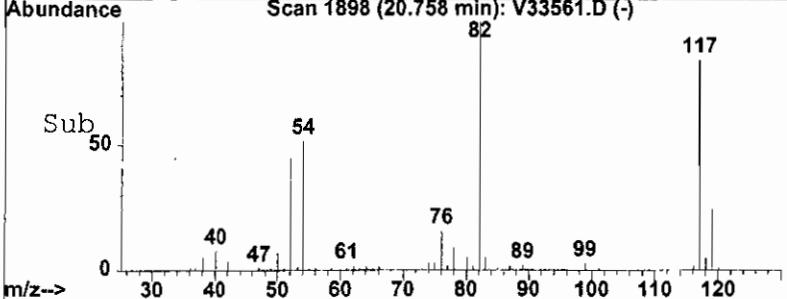
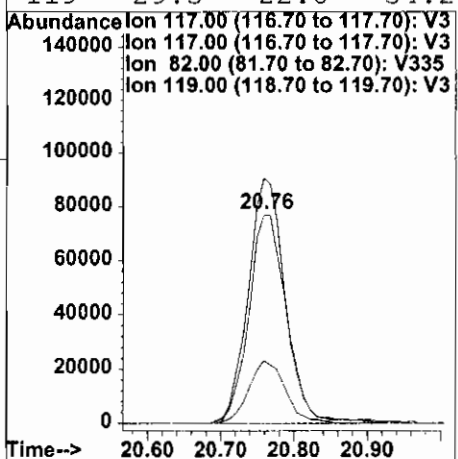
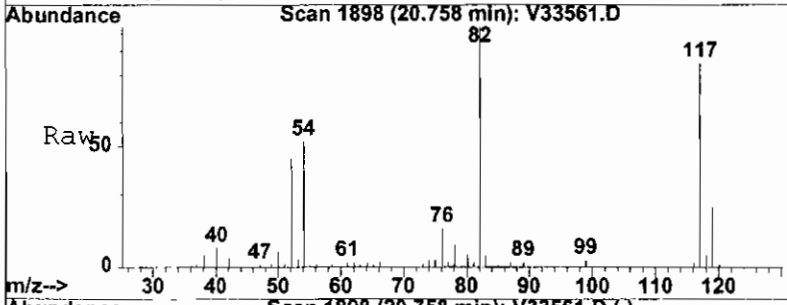
Ion	Ratio	Lower	Upper
65	100		
65	100.0	80.0	120.0
102	3.6	4.2	6.4



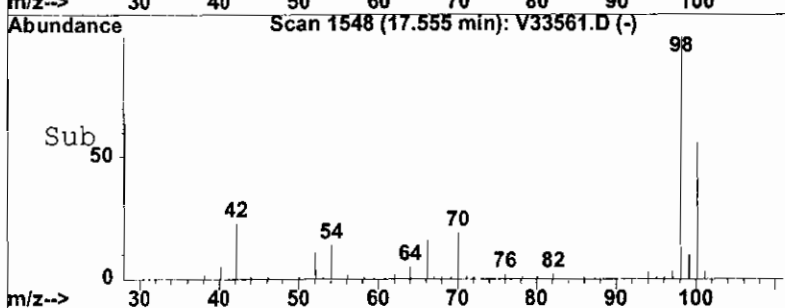
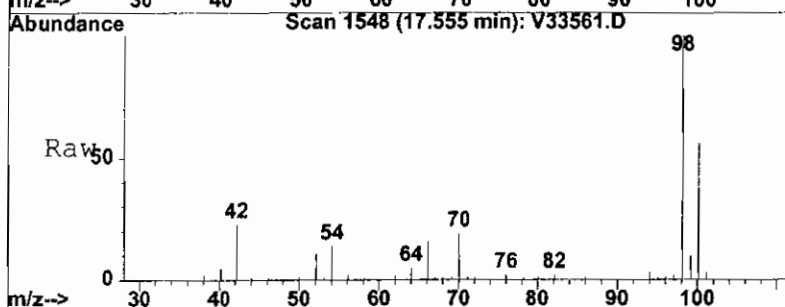
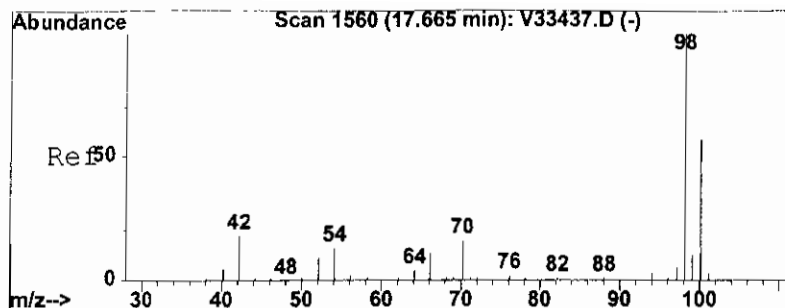
#26
CHLOROBENZENE-d5 (ISTD)
Concen: 50.00 ppb
RT: 20.76 min Scan# 1898
Delta R.T. -0.10 min
Lab File: V33561.D
Acq: 20 Apr 2001 4:11 am

Tgt Ion: 117 Resp: 273118

Ion	Ratio	Lower	Upper
117	100		
117	100.0	80.0	120.0
82	0.0	0.0	0.0
119	29.3	22.8	34.2



000244



#33

Toluene-d8 (SURR)

Concen: 53.21 ppb

RT: 17.55 min Scan# 1548

Delta R.T. -0.10 min

Lab File: V33561.D

Acq: 20 Apr 2001 4:11 am

Tgt Ion: 98 Resp: 430742

Ion Ratio Lower Upper

98 100

98 100.0 80.0 120.0

100 54.5 45.0 67.4

70 0.0 0.0 0.0

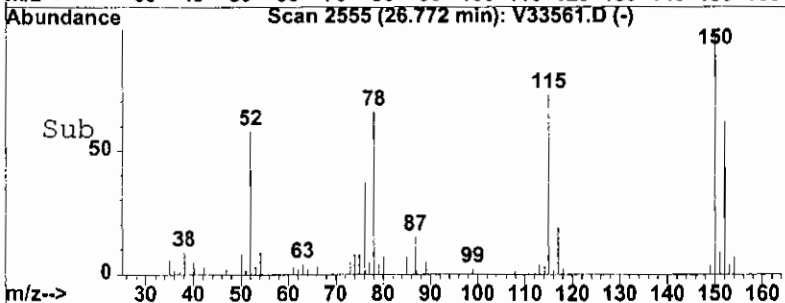
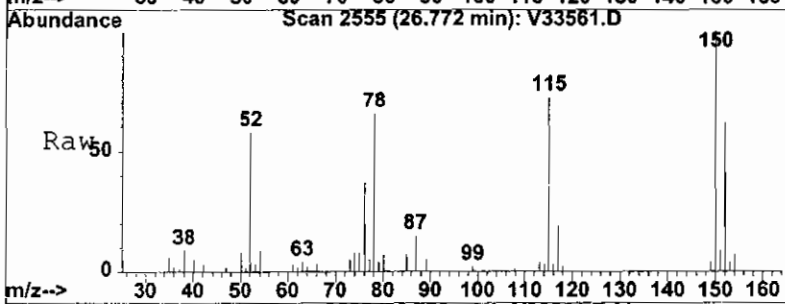
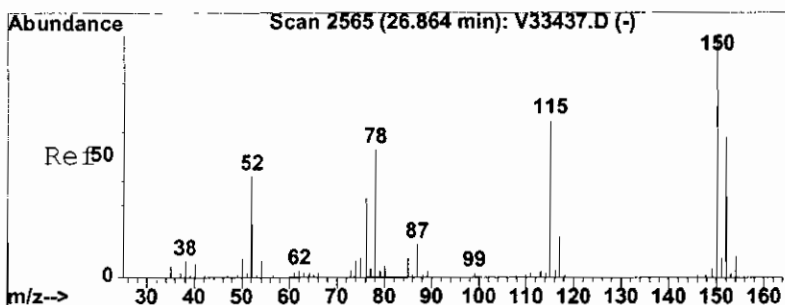
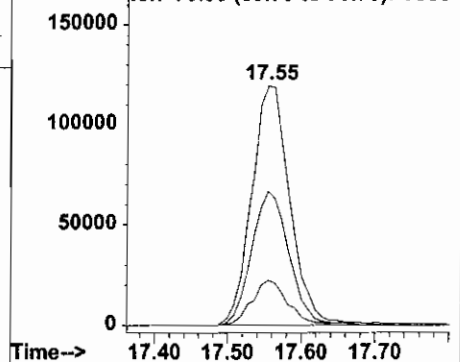
Abundance

Ion 98.00 (97.70 to 98.70): V335

Ion 98.00 (97.70 to 98.70): V335

Ion 100.00 (99.70 to 100.70): V33

Ion 70.00 (69.70 to 70.70): V335



#48

1,2-DICHLOROBENZENE-d4 (ISTD)

Concen: 50.00 ppb

RT: 26.77 min Scan# 2555

Delta R.T. -0.09 min

Lab File: V33561.D

Acq: 20 Apr 2001 4:11 am

Tgt Ion: 152 Resp: 81969

Ion Ratio Lower Upper

152 100

152 100.0 80.0 120.0

152 100.0 80.0 120.0

115 0.0 0.0 0.0

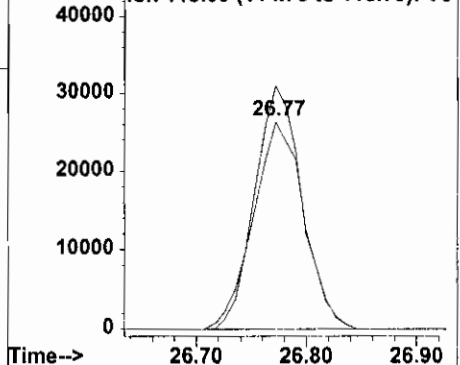
Abundance

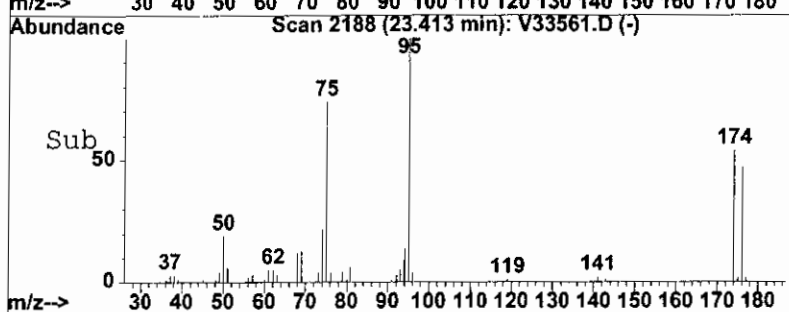
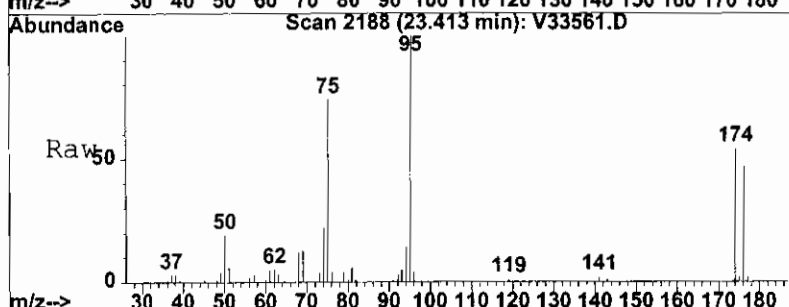
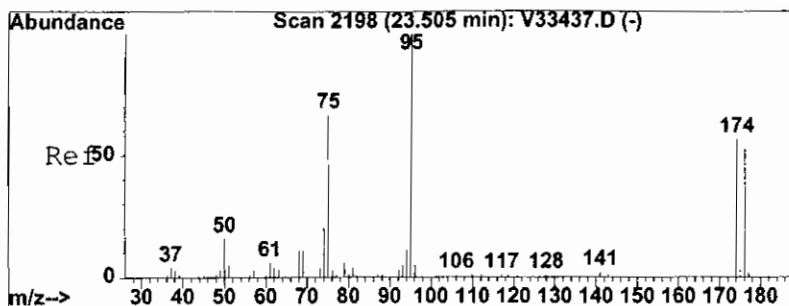
Ion 152.00 (151.70 to 152.70): V3

Ion 152.00 (151.70 to 152.70): V3

Ion 152.00 (151.70 to 152.70): V3

Ion 115.00 (114.70 to 115.70): V3





#50

p-Bromofluorobenzene (SURR)

Concen: 62.12 ppb

RT: 23.41 min Scan# 2188

Delta R.T. -0.09 min

Lab File: V33561.D

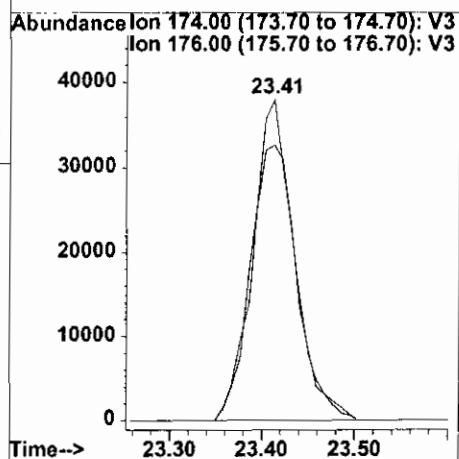
Acq: 20 Apr 2001 4:11 am

Tgt Ion: 174 Resp: 119850

Ion Ratio Lower Upper

174 100

176 86.0 74.0 111.0



Data File : C:\HPCHEM\1\DATA\V33562.D

Vial: 23

Acq On : 20 Apr 2001 4:52 am

Operator: BB

Sample : 01040168-12 \$8260W ASPB

Inst : VOA No. 2

Misc : QBV2041901A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Apr 20 5:24 19101

Quant Results File: V2C71W.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C71W.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Mon Apr 16 08:02:01 2001

Response via : Initial Calibration

DataAcq Meth : V2C71W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.29	70	131338	50.00	ppb	-0.09
26) CHLOROBENZENE-d5(ISTD)	20.76	117	265659	50.00	ppb	-0.09
48) 1,2-DICHLOROBENZENE-d4(IST	26.77	152	80163	50.00	ppb	-0.09

System Monitoring Compounds

22) d4-1,2-Dichloroethane(SURR	13.55	65	455993	54.70	ppb	-0.13
Spiked Amount	50.000	Range	67 - 128	Recovery	=	109.40%
33) Toluene-d8(SURR)	17.56	98	432227	54.90	ppb	-0.09
Spiked Amount	50.000	Range	87 - 113	Recovery	=	109.80%
50) p-Bromofluorobenzene(SURR)	23.42	174	112009	59.36	ppb	-0.08
Spiked Amount	50.000	Range	63 - 166	Recovery	=	118.72%

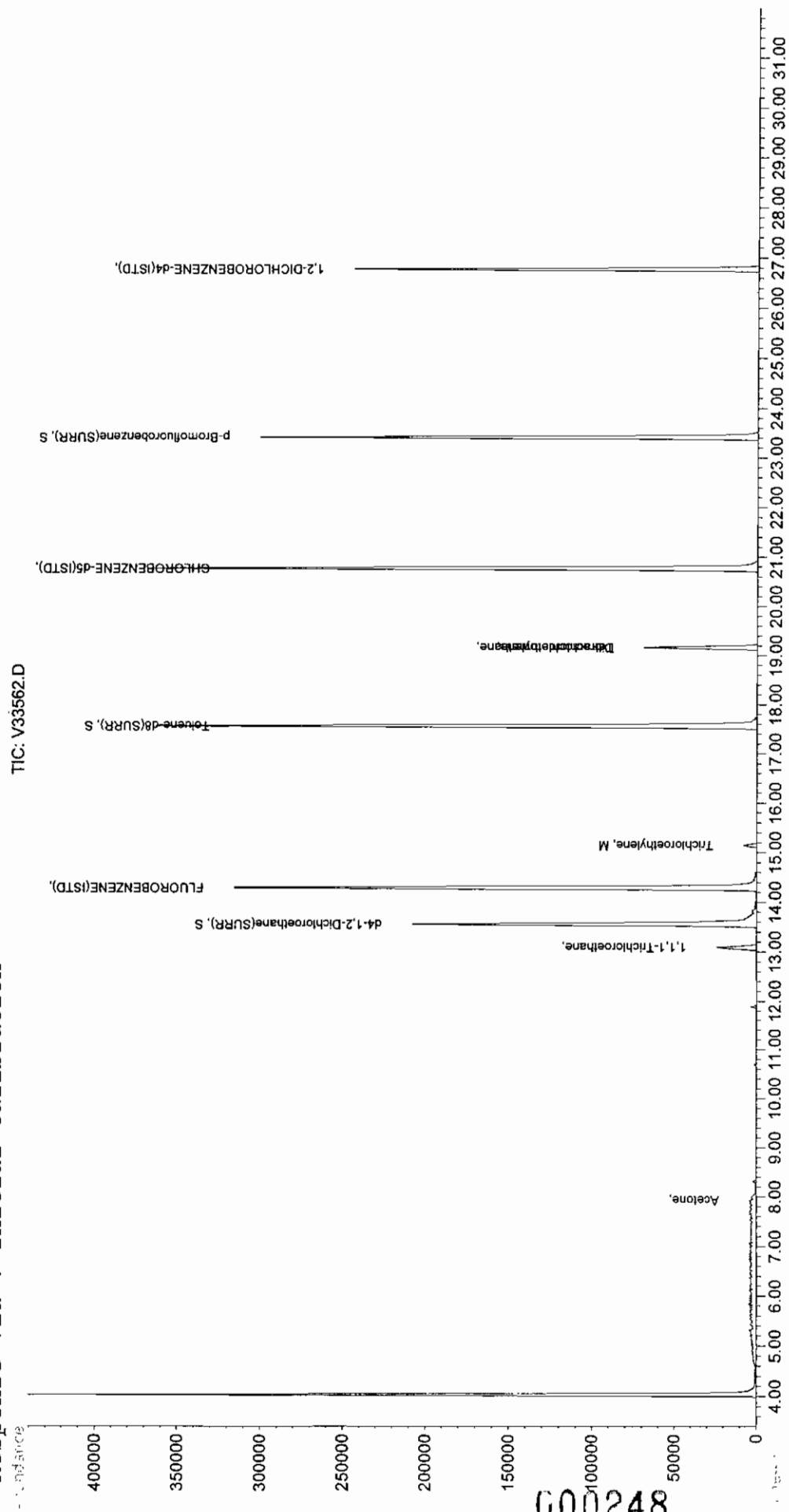
Target Compounds

						Qvalue
13) Acetone	7.92	43	2555	~~2.77~~	ppb	# 96
20) 1,1,1-Trichloroethane	13.09	97	38043	4	4.15	ppb # 68
27) Trichloroethylene	15.14	95	7175	15	2.84	ppb # 100
38) Tetrachloroethylene	19.16	166	25525	15	15.00	ppb 97
40) Dibromochloromethane	19.15	129	22205	~~7.00~~	ppb	# 63

Quantitation Report

Data File : C:\HPCHEM\1\DATA\V33562.D
 Acq On : 20 Apr 2001 4:52 am
 Sample : 01040168-12 \$8260W ASPB
 Misc : QBV2041901A
 MS Integration Params: rteint.p
 Quant Time: Apr 20 5:24 19101
 Vial: 23
 Operator: BB
 Inst : VOA No. 2
 Multiplr: 1.00
 Quant Results File: V2C71W.RES

Method : C:\HPCHEM\1\METHODS\V2C71W.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Mon Apr 16 08:02:01 2001
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\V33562.D
 Acq On : 20 Apr 2001 4:52 am
 Sample : 01040168-12 \$8260W ASPB
 Misc : QBV2041901A
 MS Integration Params: rteint.p
 Quant Time: Apr 20 5:24 19101

Vial: 23
 Operator: BB
 Inst : VOA No. 2
 Multiplr: 1.00

Quant Results File: V2C71W.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C71W.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Mon Apr 16 08:02:01 2001
 Response via : Initial Calibration
 DataAcq Meth : V2C71W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.29	70	131338	50.00	ppb	-0.09
26) CHLOROBENZENE-d5(ISTD)	20.76	117	265659	50.00	ppb	-0.09
48) 1,2-DICHLOROBENZENE-d4(IST	26.77	152	80163	50.00	ppb	-0.09

System Monitoring Compounds

22) d4-1,2-Dichloroethane(SURR	13.55	65	455993	54.70	ppb	-0.13
Spiked Amount	50.000	Range	67 - 128	Recovery	=	109.40%
33) Toluene-d8(SURR)	17.56	98	432227	54.90	ppb	-0.09
Spiked Amount	50.000	Range	87 - 113	Recovery	=	109.80%
50) p-Bromofluorobenzene(SURR)	23.42	174	112009	59.36	ppb	-0.08
Spiked Amount	50.000	Range	63 - 166	Recovery	=	118.72%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acetone	7.92	43	2555	2.77	ppb	# 96
20) 1,1,1-Trichloroethane	13.09	97	38043	4.15	ppb	# 68
27) Trichloroethylene	15.14	95	7175	2.84	ppb	# 100
38) Tetrachloroethylene	19.16	166	25525	15.00	ppb	# 97
40) Dibromochloromethane	19.15	129	22205	7.08	ppb	# 63

Quantitat: Report

Data File : C:\HPCHEM\1\DATA\V33562.D
 Acq On : 20 Apr 2001 4:52 am
 Sample : 01040168-12 \$8260W ASPB
 Misc : QBV2041901A

Vial: 23
 Operator: BB
 Inst : VOA No. 2
 Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Apr 20 5:24 19101

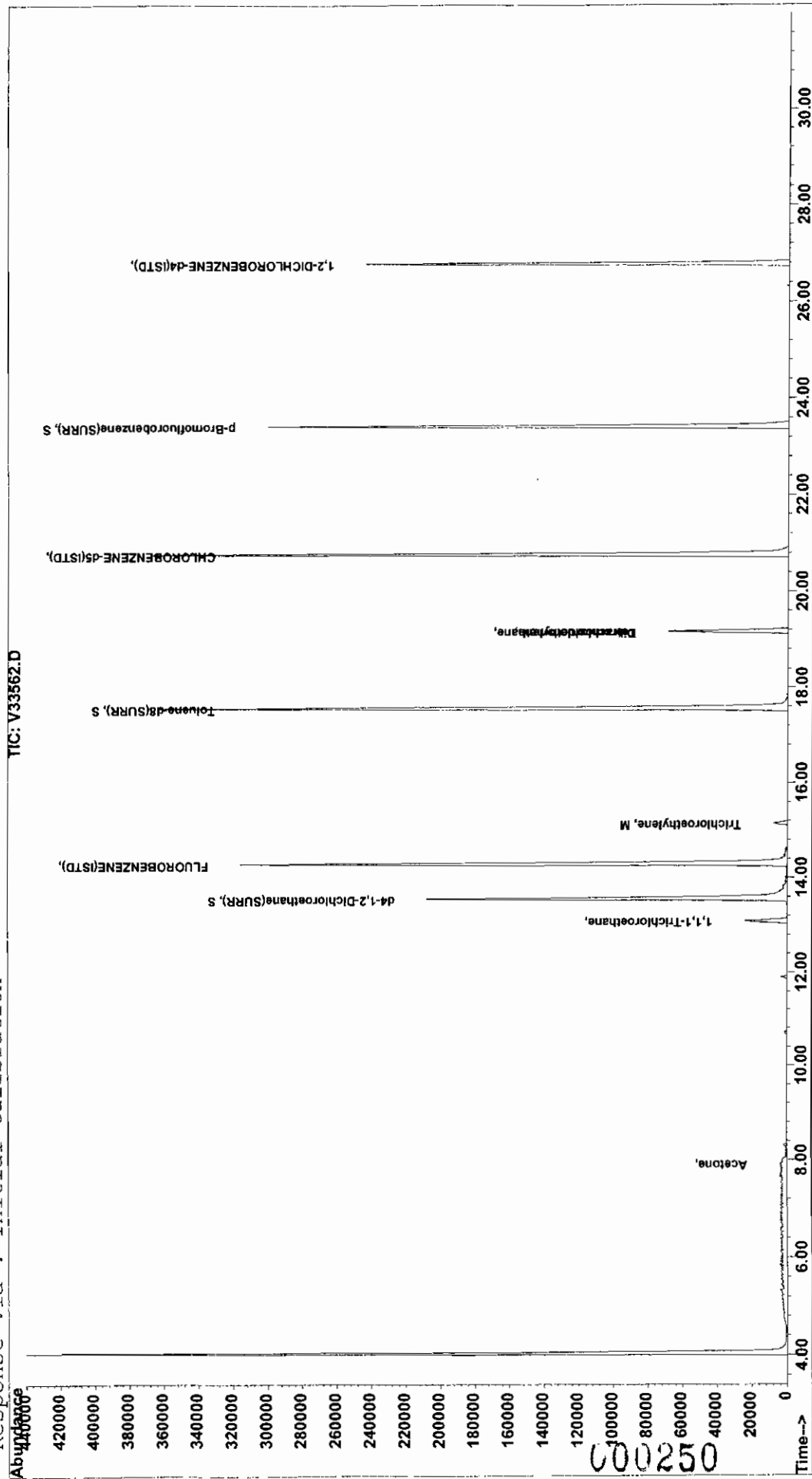
Quant Results File: V2C71W.RES

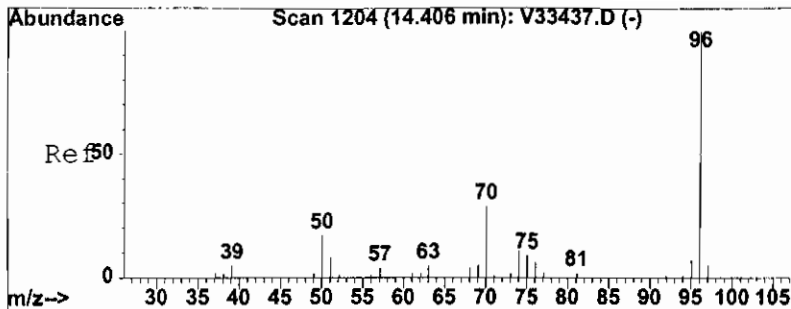
Method : C:\HPCHEM\1\METHODS\V2C71W.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Mon Apr 16 08:02:01 2001

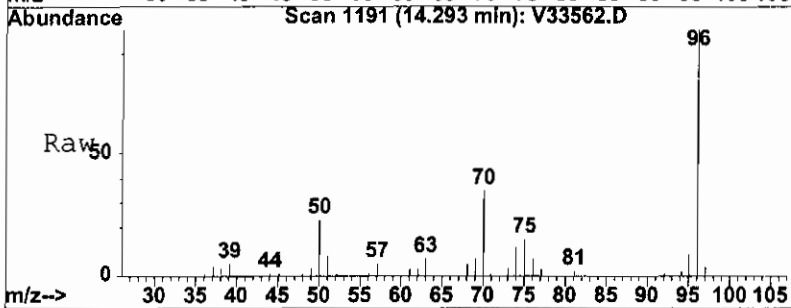
Response via : Initial Calibration





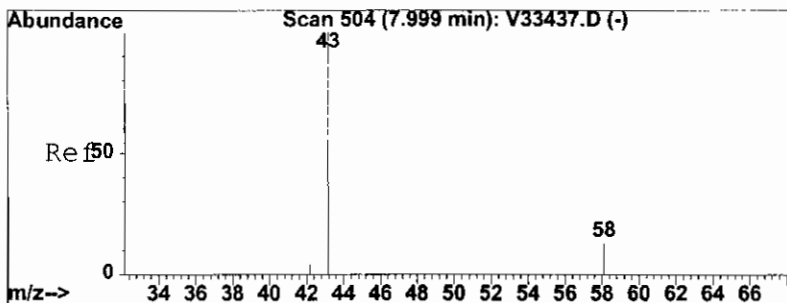
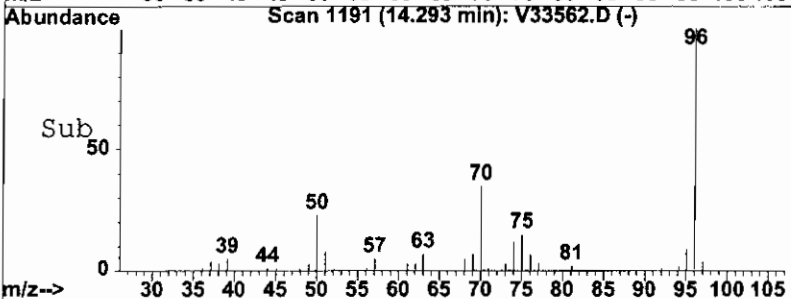
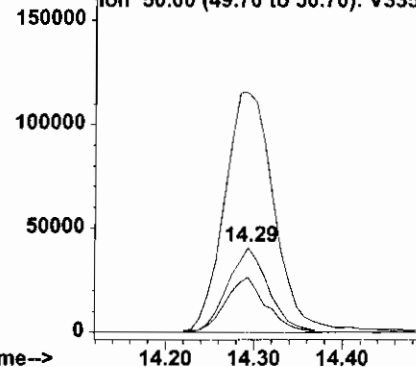
#1
 FLUOROBENZENE (ISTD)
 Concen: 50.00 ppb
 RT: 14.29 min Scan# 1191
 Delta R.T. -0.09 min
 Lab File: V33562.D
 Acq: 20 Apr 2001 4:52 am

Tgt Ion: 70 Resp: 131338
 Ion Ratio Lower Upper
 70 100
 96 345.6 300.1 450.1
 70 100.0 80.0 120.0
 50 65.7 50.2 75.2



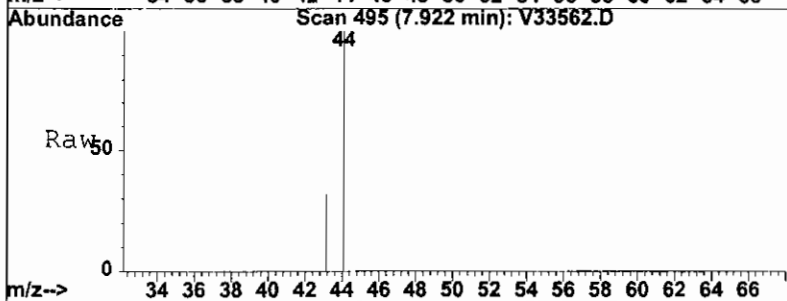
Abundance

Ion 70.00 (69.70 to 70.70): V335
 Ion 96.00 (95.70 to 96.70): V335
 Ion 70.00 (69.70 to 70.70): V335
 Ion 50.00 (49.70 to 50.70): V335



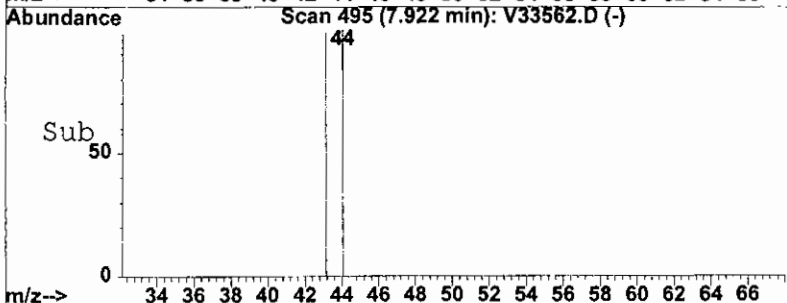
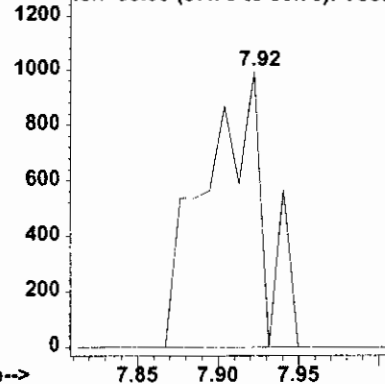
#13
 Acetone
 Concen: 2.77 ppb
 RT: 7.92 min Scan# 495
 Delta R.T. -0.07 min
 Lab File: V33562.D
 Acq: 20 Apr 2001 4:52 am

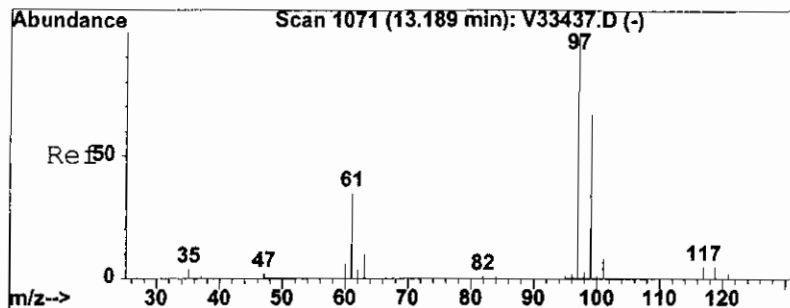
Tgt Ion: 43 Resp: 2555
 Ion Ratio Lower Upper
 43 100
 43 100.0 80.0 120.0
 58 0.0 10.8 16.2#



Abundance

Ion 43.00 (42.70 to 43.70): V335
 Ion 43.00 (42.70 to 43.70): V335
 Ion 58.00 (57.70 to 58.70): V335

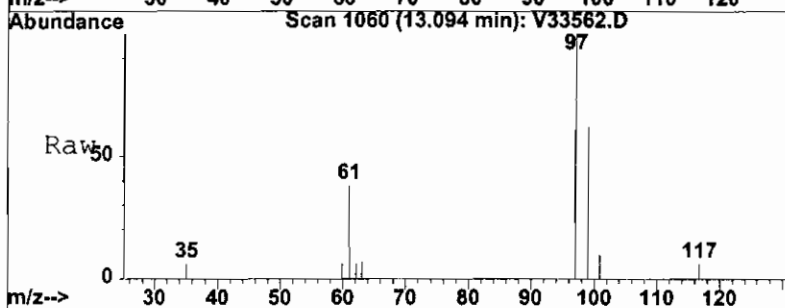




#20
 1,1,1-Trichloroethane
 Concen: 4.15 ppb
 RT: 13.09 min Scan# 1060
 Delta R.T. -0.09 min
 Lab File: V33562.D
 Acq: 20 Apr 2001 4:52 am

Tgt Ion: 97 Resp: 38043

Ion	Ratio	Lower	Upper
97	100		
97	100.0	80.0	120.0
99	0.0	52.3	78.5#
117	0.0	4.6	6.8#



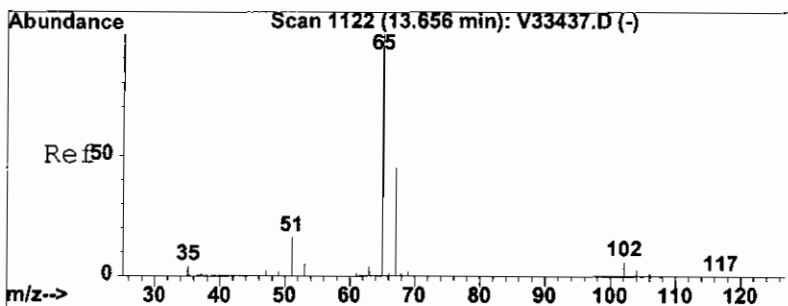
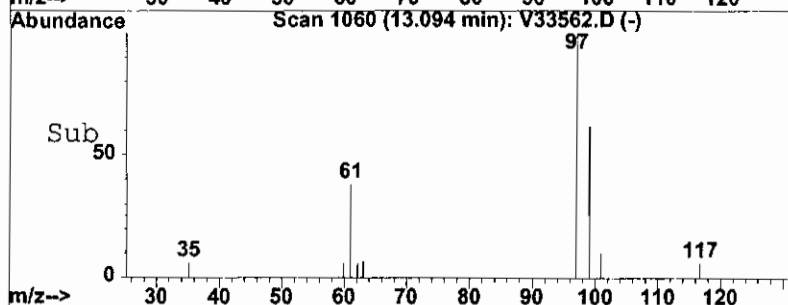
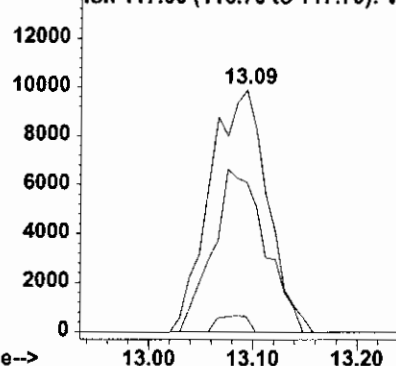
Abundance

Ion 96.95 (96.65 to 97.65): V335

Ion 96.95 (96.65 to 97.65): V335

Ion 98.90 (98.60 to 99.60): V335

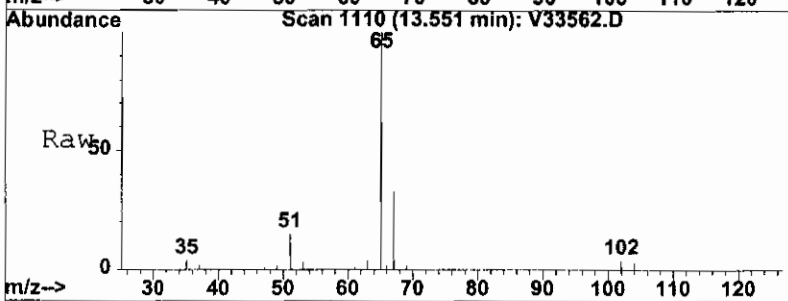
Ion 117.00 (116.70 to 117.70): V3



#22
 d4-1,2-Dichloroethane (SURR)
 Concen: 54.70 ppb
 RT: 13.55 min Scan# 1110
 Delta R.T. -0.13 min
 Lab File: V33562.D
 Acq: 20 Apr 2001 4:52 am

Tgt Ion: 65 Resp: 455993

Ion	Ratio	Lower	Upper
65	100		
65	100.0	80.0	120.0
102	3.8	4.2	6.4#

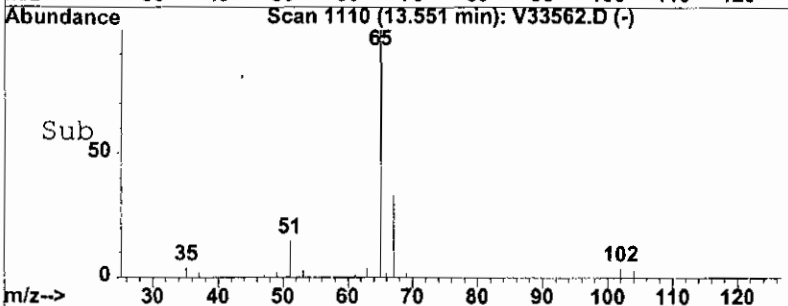
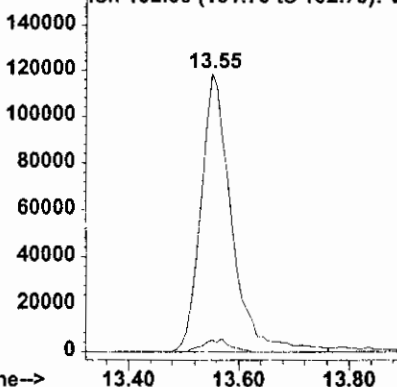


Abundance

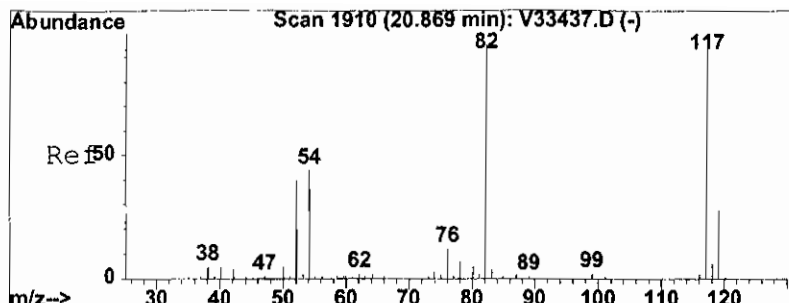
Ion 65.00 (64.70 to 65.70): V335

Ion 65.00 (64.70 to 65.70): V335

Ion 102.00 (101.70 to 102.70): V3

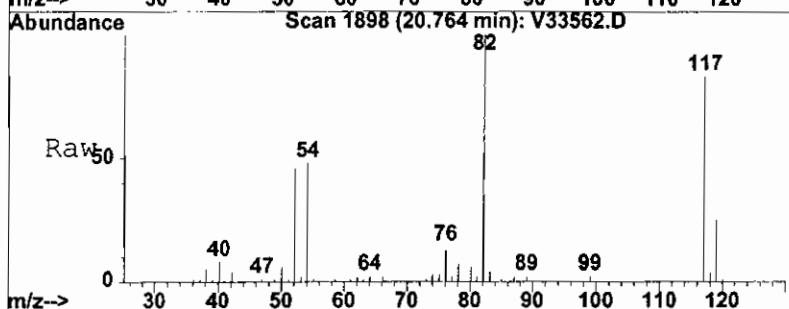


000252



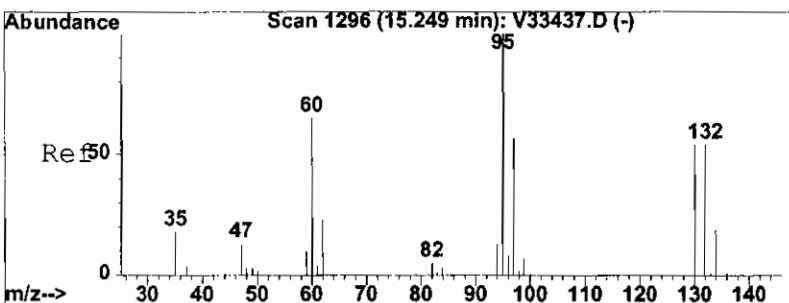
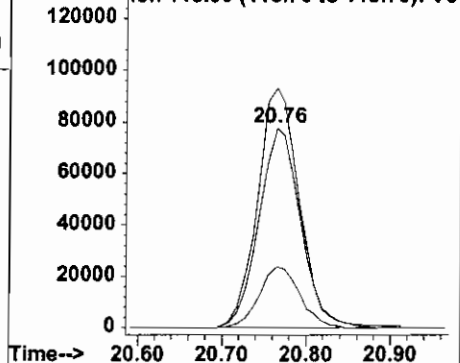
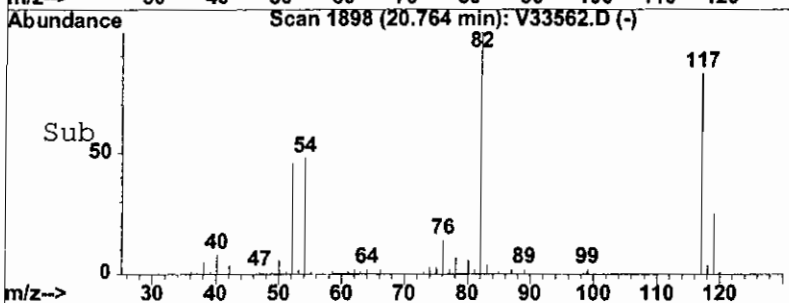
#26
 CHLOROBENZENE-d5 (ISTD)
 Concen: 50.00 ppb
 RT: 20.76 min Scan# 1898
 Delta R.T. -0.09 min
 Lab File: V33562.D
 Acq: 20 Apr 2001 4:52 am

Tgt Ion: 117 Resp: 265659
 Ion Ratio Lower Upper
 117 100
 117 100.0 80.0 120.0
 82 0.0 0.0 0.0
 119 30.0 22.8 34.2



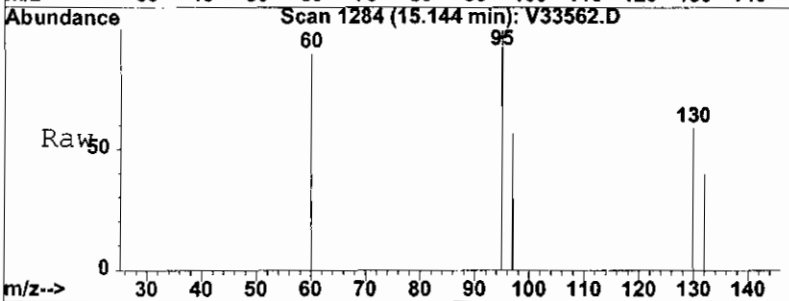
Abundance

Ion 117.00 (116.70 to 117.70): V3



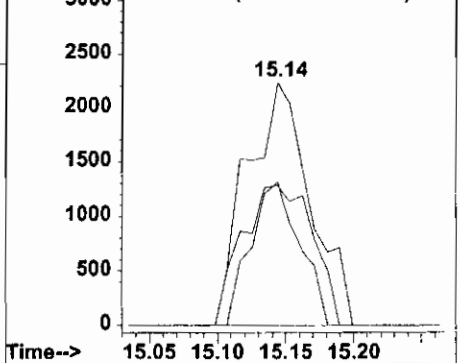
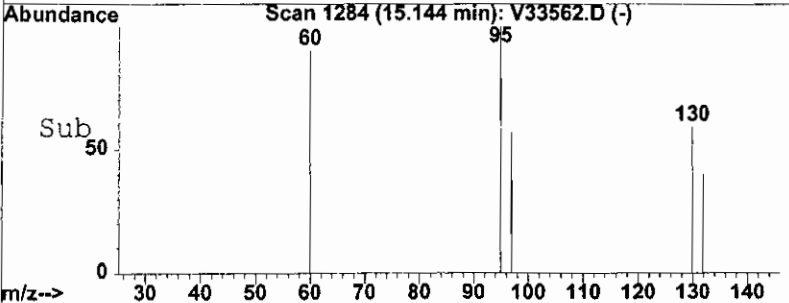
#27
 Trichloroethylene
 Concen: 2.84 ppb
 RT: 15.14 min Scan# 1284
 Delta R.T. -0.09 min
 Lab File: V33562.D
 Acq: 20 Apr 2001 4:52 am

Tgt Ion: 95 Resp: 7175
 Ion Ratio Lower Upper
 95 100
 95 100.0 80.0 120.0
 97 64.1 50.6 75.8
 130 45.9 0.0 0.0#

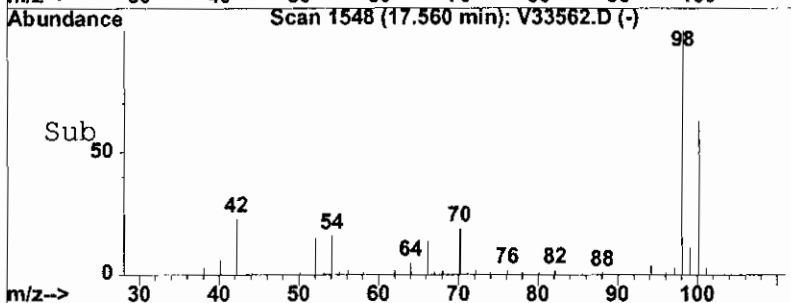
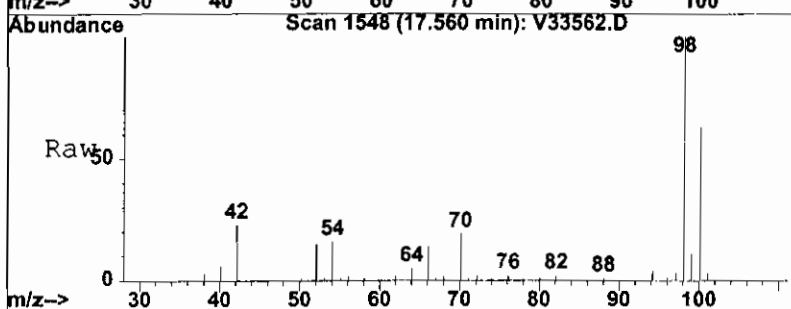
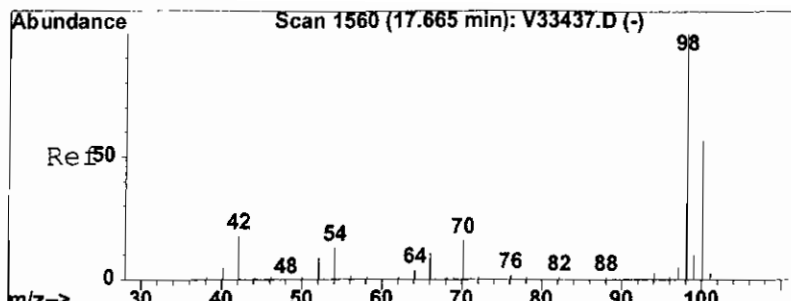


Abundance

Ion 94.85 (94.55 to 95.55): V335



000253



#33

Toluene-d8 (SURRE)

Concen: 54.90 ppb

RT: 17.56 min Scan# 1548

Delta R.T. -0.09 min

Lab File: V33562.D

Acq: 20 Apr 2001 4:52 am

Tgt Ion: 98 Resp: 432227

Ion Ratio Lower Upper

98 100

98 100.0 80.0 120.0

100 55.4 45.0 67.4

70 0.0 0.0 0.0

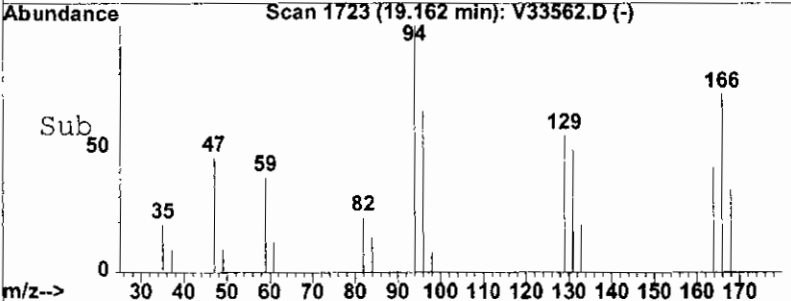
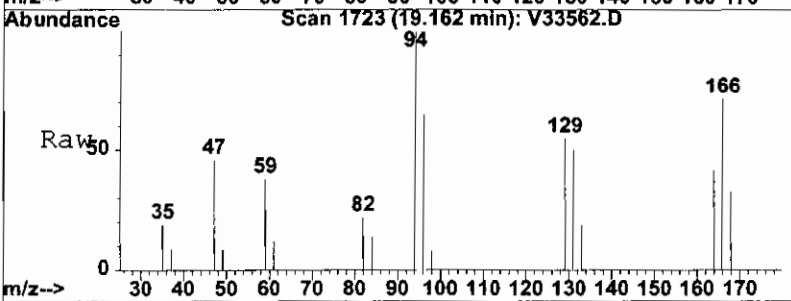
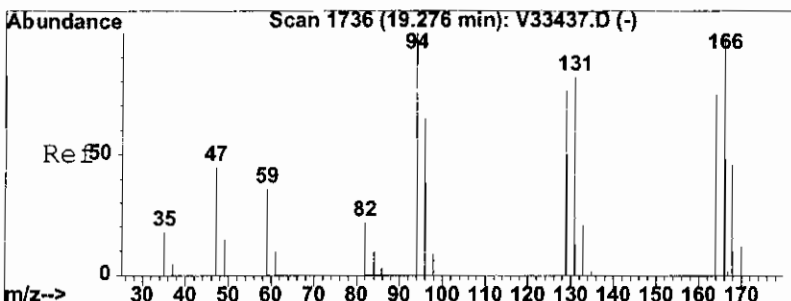
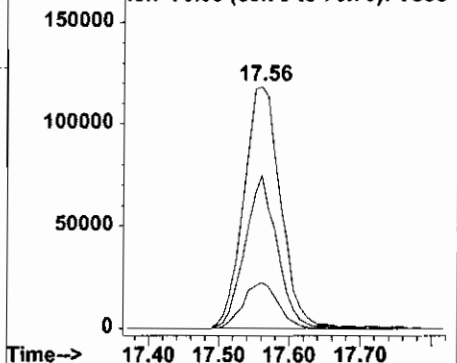
Abundance

Ion 98.00 (97.70 to 98.70): V335

Ion 98.00 (97.70 to 98.70): V335

Ion 100.00 (99.70 to 100.70): V33

Ion 70.00 (69.70 to 70.70): V335



#38

Tetrachloroethylene

Concen: 15.00 ppb

RT: 19.16 min Scan# 1723

Delta R.T. -0.10 min

Lab File: V33562.D

Acq: 20 Apr 2001 4:52 am

Tgt Ion: 166 Resp: 25525

Ion Ratio Lower Upper

166 100

166 100.0 80.0 120.0

164 69.0 61.5 92.3

129 87.0 71.0 106.6

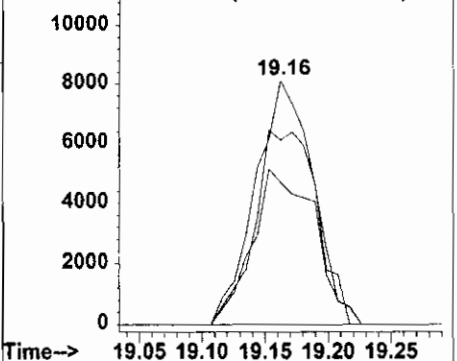
Abundance

Ion 165.85 (165.55 to 166.55): V3

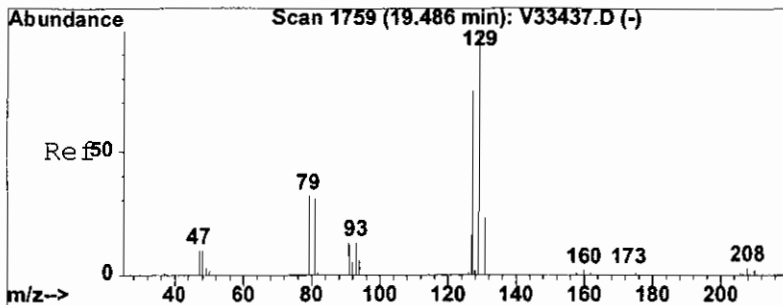
Ion 165.85 (165.55 to 166.55): V3

Ion 163.80 (163.50 to 164.50): V3

Ion 128.80 (128.50 to 129.50): V3

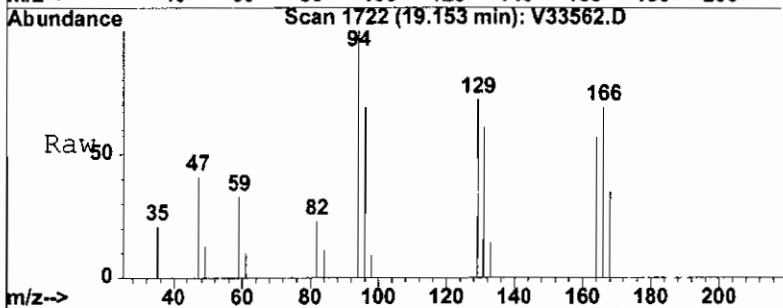


000254



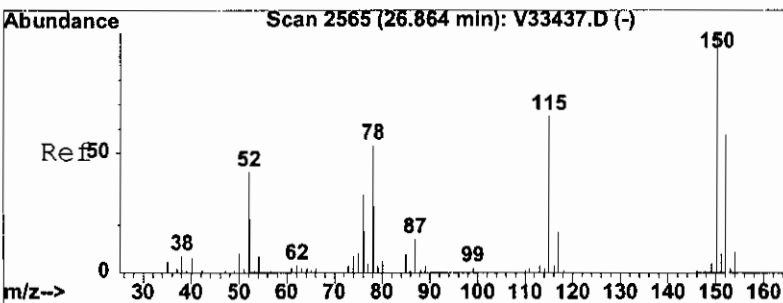
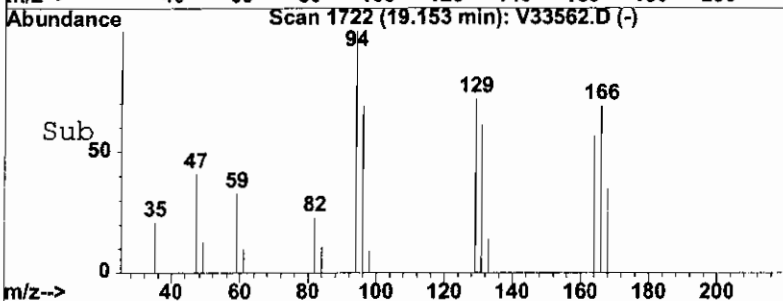
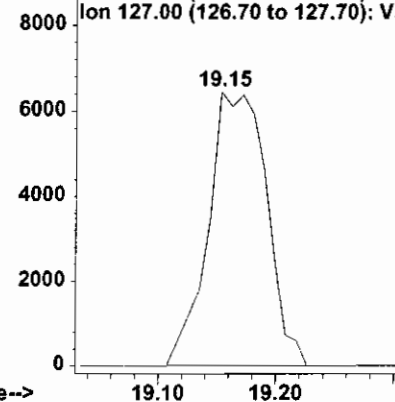
#40
Dibromochloromethane
Concen: 7.08 ppb
RT: 19.15 min Scan# 1722
Delta R.T. -0.32 min
Lab File: V33562.D
Acq: 20 Apr 2001 4:52 am

Tgt Ion:129 Resp: 22205
Ion Ratio Lower Upper
129 100
129 100.0 80.0 120.0
127 0.0 59.6 89.4#



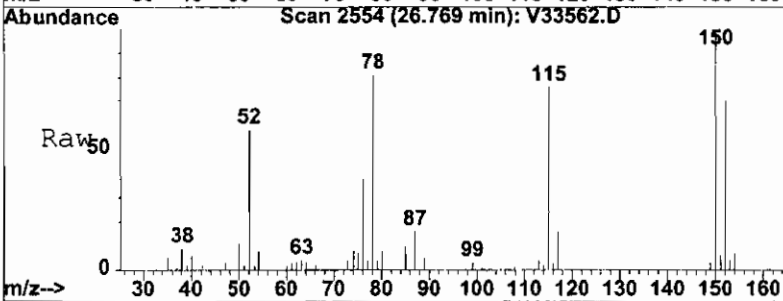
Abundance

Ion 129.00 (128.70 to 129.70): V3
Ion 129.00 (128.70 to 129.70): V3
Ion 127.00 (126.70 to 127.70): V3



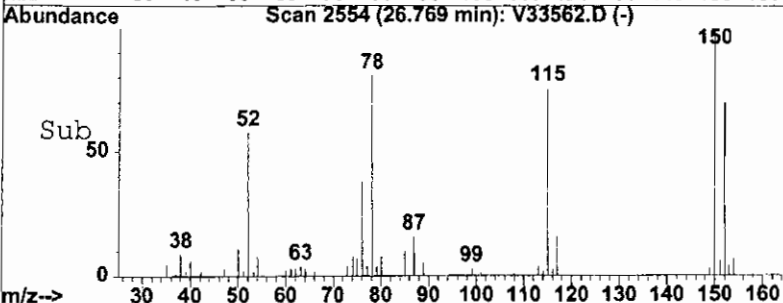
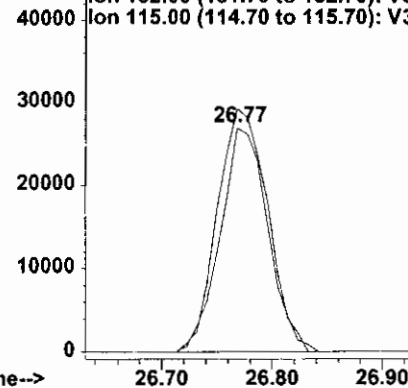
#48
1,2-DICHLOROBNZENE-d4 (ISTD)
Concen: 50.00 ppb
RT: 26.77 min Scan# 2554
Delta R.T. -0.09 min
Lab File: V33562.D
Acq: 20 Apr 2001 4:52 am

Tgt Ion:152 Resp: 80163
Ion Ratio Lower Upper
152 100
152 100.0 80.0 120.0
152 100.0 80.0 120.0
115 0.0 0.0 0.0

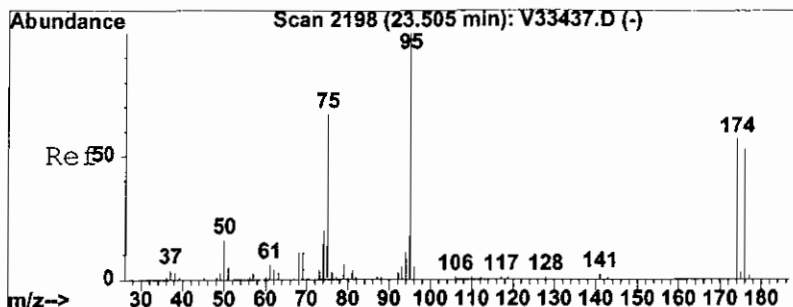


Abundance

Ion 152.00 (151.70 to 152.70): V3
Ion 152.00 (151.70 to 152.70): V3
Ion 152.00 (151.70 to 152.70): V3
Ion 115.00 (114.70 to 115.70): V3



000255



#50

p-Bromofluorobenzene (SURR)

Concen: 59.36 ppb

RT: 23.42 min Scan# 2188

Delta R.T. -0.08 min

Lab File: V33562.D

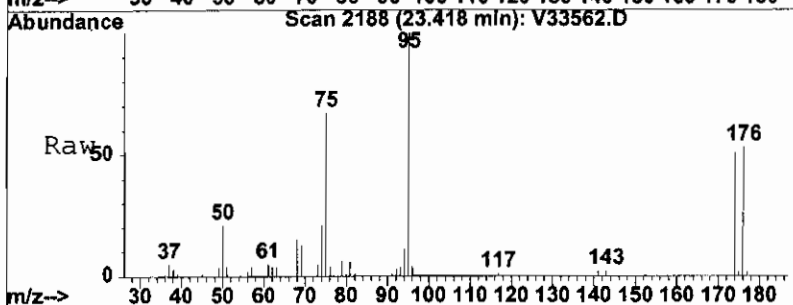
Acq: 20 Apr 2001 4:52 am

Tgt Ion: 174 Resp: 112009

Ion Ratio Lower Upper

174 100

176 104.9 74.0 111.0



Abundance Ion 174.00 (173.70 to 174.70): V3

40000

Ion 176.00 (175.70 to 176.70): V3

35000

30000

25000

20000

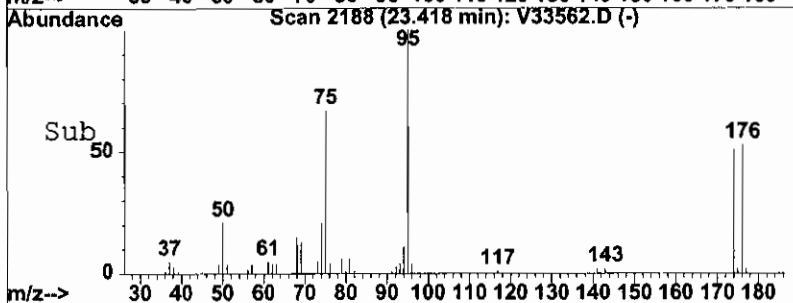
15000

10000

5000

0

23.42



Time-->

23.30 23.40 23.50

000256

Data File : C:\HPCHEM\1\DATA\V33563.D

Vial: 24

Acq On : 20 Apr 2001 5:31 am

Operator: BB

Sample : 01040168-13 \$8260W ASPB

Inst : VOA No. 2

Misc : QBV2041901A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Apr 20 6:04 19101

Quant Results File: V2C71W.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C71W.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Mon Apr 16 08:02:01 2001

Response via : Initial Calibration

DataAcq Meth : V2C71W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) FLUOROBENZENE (ISTD)	14.29	70	130841	50.00	ppb	-0.10
26) CHLOROBENZENE-d5 (ISTD)	20.76	117	259815	50.00	ppb	-0.10
48) 1,2-DICHLOROBENZENE-d4 (ISTD)	26.77	152	81070	50.00	ppb	-0.09

System Monitoring Compounds

22) d4-1,2-Dichloroethane (SURR)	13.56	65	446656	53.78	ppb	-0.12
Spiked Amount	50.000	Range	67 - 128	Recovery	=	107.56%
33) Toluene-d8 (SURR)	17.55	98	422599	54.88	ppb	-0.10
Spiked Amount	50.000	Range	87 - 113	Recovery	=	109.76%
50) p-Bromofluorobenzene (SURR)	23.41	174	117071	61.35	ppb	-0.09
Spiked Amount	50.000	Range	63 - 166	Recovery	=	122.70%

Target Compounds

11) Methylene Chloride	9.20	49	23324	8.61	ppb	#	68
13) Acetone	7.92	43	8400	9.14	ppb	#	97

B

Data File : C:\HPCHEM\1\DATA\V33563.D
Acq On : 20 Apr 2001 5:31 am
Sample : 01040168-13 \$8260W ASPB
Misc : QBV2041901A

MS Integration Params: rteint.p

Quant Time: Apr 20 6:04 19101

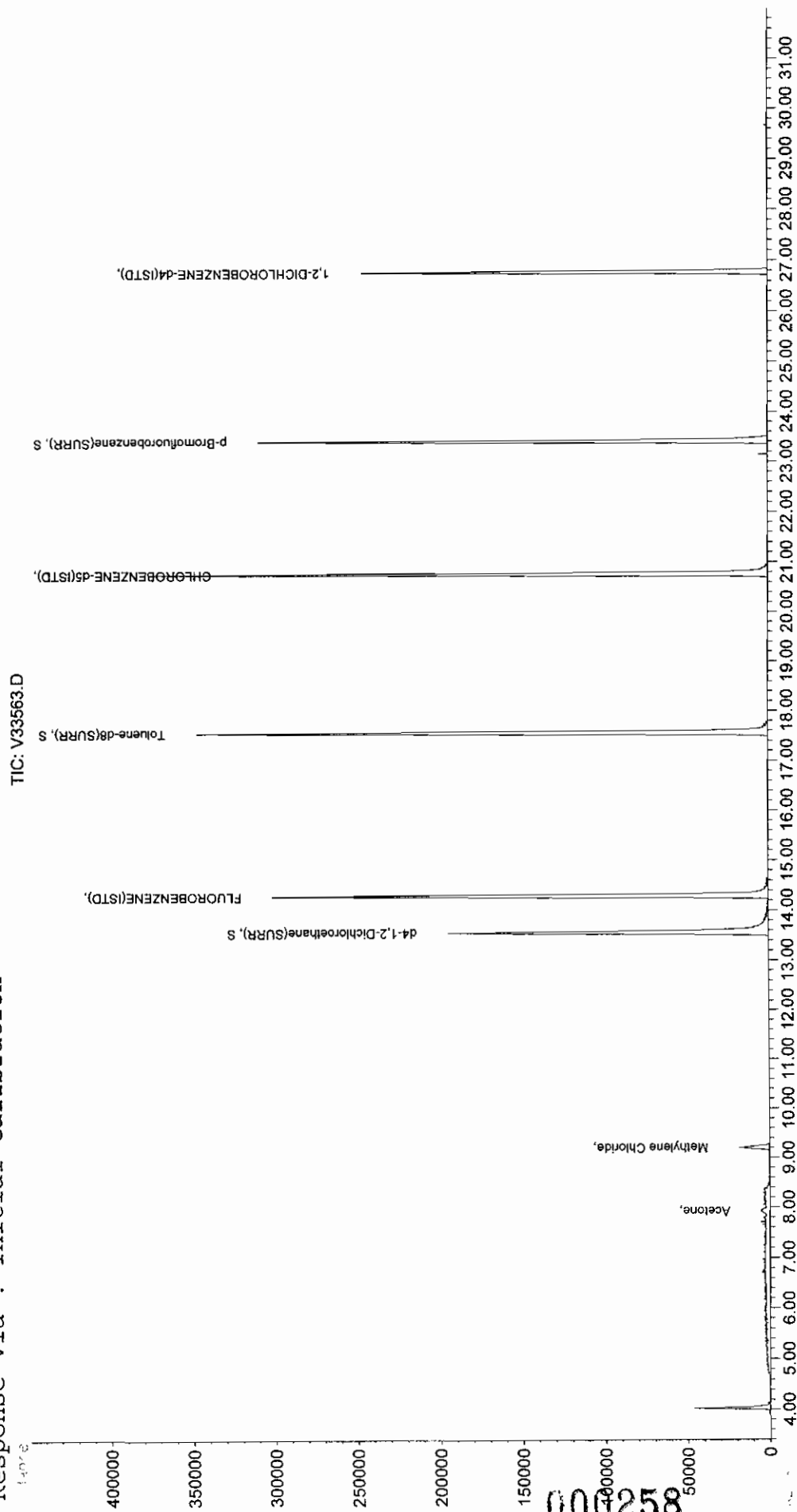
Quant Results File: V2C71W.RES

Method : C:\HPCHEM\1\METHODS\V2C71W.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Mon Apr 16 08:02:01 2001

Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\V33563.D
 Acq On : 20 Apr 2001 5:31 am
 Sample : 01040168-13 \$8260W ASPB
 Misc : QBV2041901A
 MS Integration Params: rteint.p
 Quant Time: Apr 20 6:04 19101

Vial: 24
 Operator: BB
 Inst : VOA No. 2
 Multiplr: 1.00
 Quant Results File: V2C71W.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C71W.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Mon Apr 16 08:02:01 2001
 Response via : Initial Calibration
 DataAcq Meth : V2C71W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.29	70	130841	50.00	ppb	-0.10
26) CHLOROBENZENE-d5(ISTD)	20.76	117	259815	50.00	ppb	-0.10
48) 1,2-DICHLOROBENZENE-d4(IST	26.77	152	81070	50.00	ppb	-0.09

System Monitoring Compounds

22) d4-1,2-Dichloroethane(SURR	13.56	65	446656	53.78	ppb	-0.12
Spiked Amount	50.000	Range	67 - 128	Recovery	=	107.56%
33) Toluene-d8(SURR)	17.55	98	422599	54.88	ppb	-0.10
Spiked Amount	50.000	Range	87 - 113	Recovery	=	109.76%
50) p-Bromofluorobenzene(SURR)	23.41	174	117071	61.35	ppb	-0.09
Spiked Amount	50.000	Range	63 - 166	Recovery	=	122.70%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
11) Methylene Chloride	9.20	49	23324	8.61	ppb	# 68
13) Acetone	7.92	43	8400	9.14	ppb	# 97

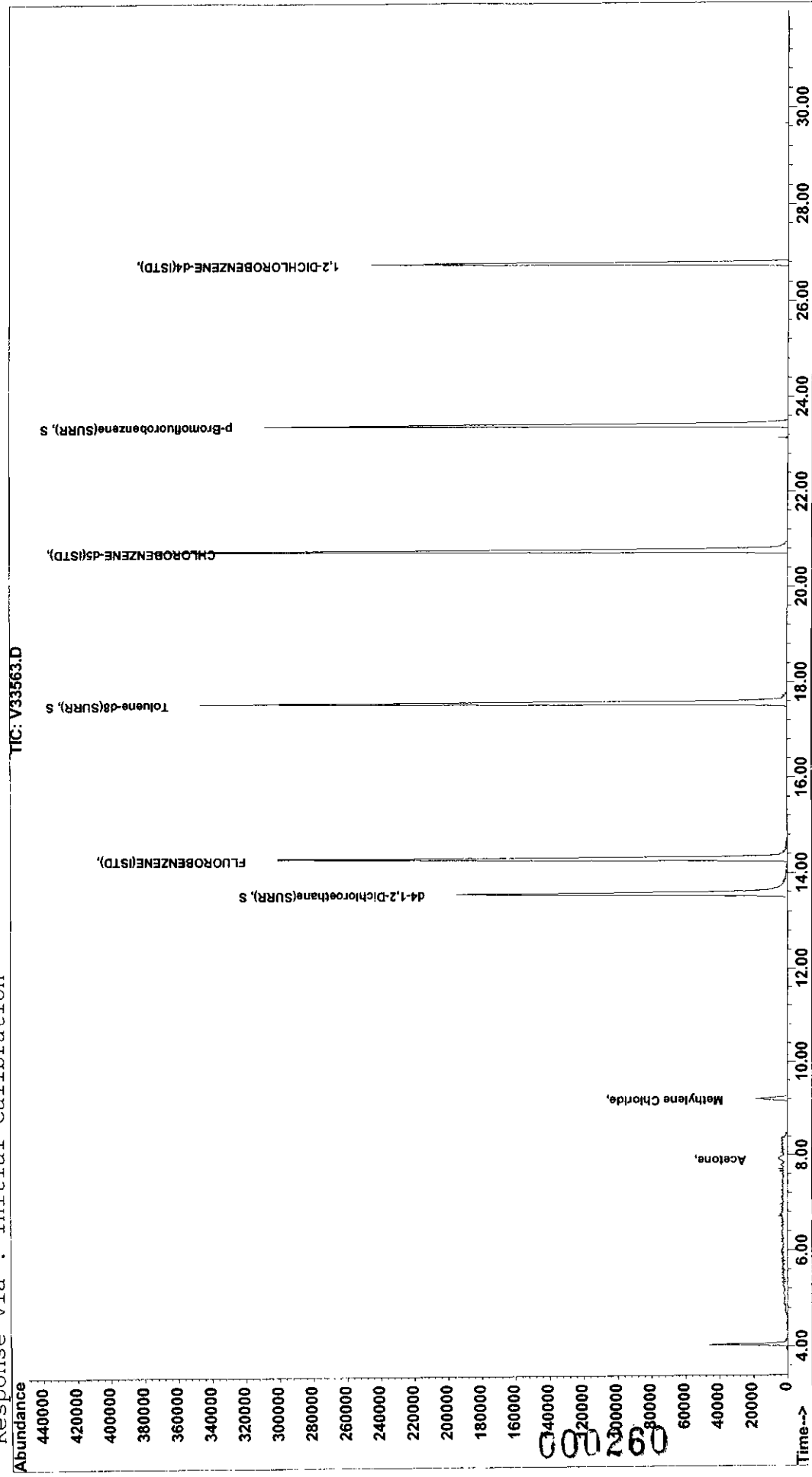
Quantitative Report

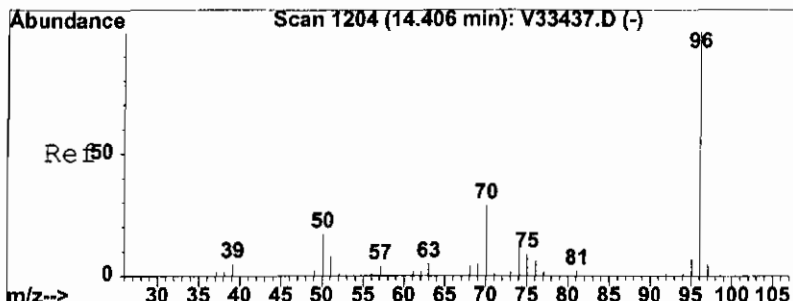
Data File : C:\HPCHEM\1\DATA\V33563.D
 Acq On : 20 Apr 2001 5:31 am
 Sample : 01040168-13 \$8260W ASPB
 Misc : QBV2041901A
 MS Integration Params: rteint.p
 Quant Time: Apr 20 6:04 19101

Vial: 24
 Operator: BB
 Inst : VOA No. 2
 Multiplr: 1.00

Quant Results File: V2C71W.RES

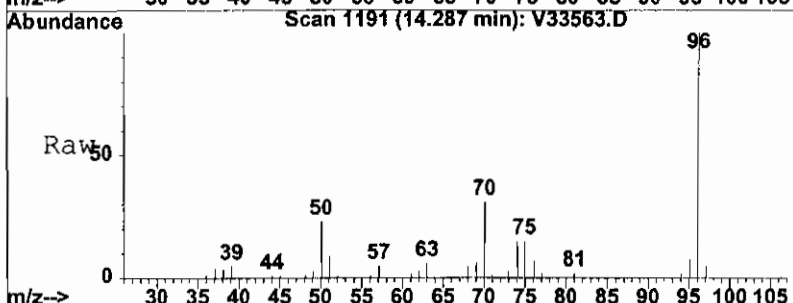
Method : C:\HPCHEM\1\METHODS\V2C71W.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Mon Apr 16 08:02:01 2001
 Response via : Initial Calibration





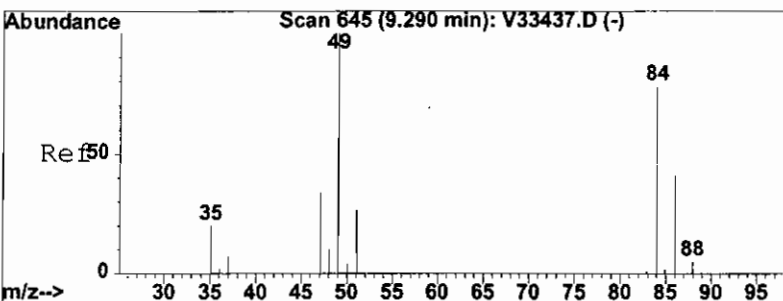
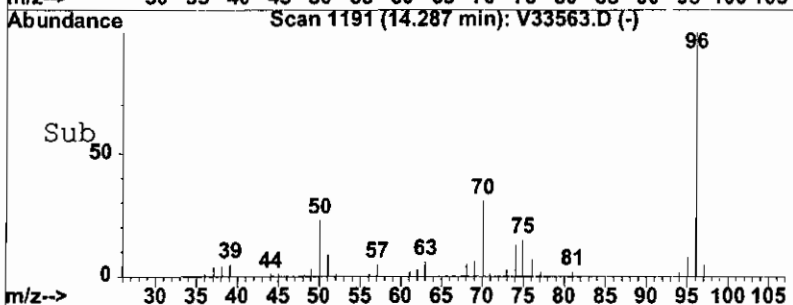
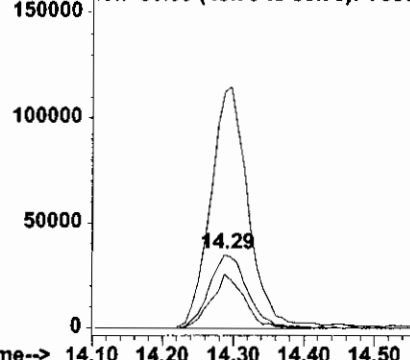
#1
 FLUOROBENZENE (ISTD)
 Concen: 50.00 ppb
 RT: 14.29 min Scan# 1191
 Delta R.T. -0.10 min
 Lab File: V33563.D
 Acq: 20 Apr 2001 5:31 am

Tgt Ion: 70 Resp: 130841
 Ion Ratio Lower Upper
 70 100
 96 325.3 300.1 450.1
 70 100.0 80.0 120.0
 50 0.0 50.2 75.2#



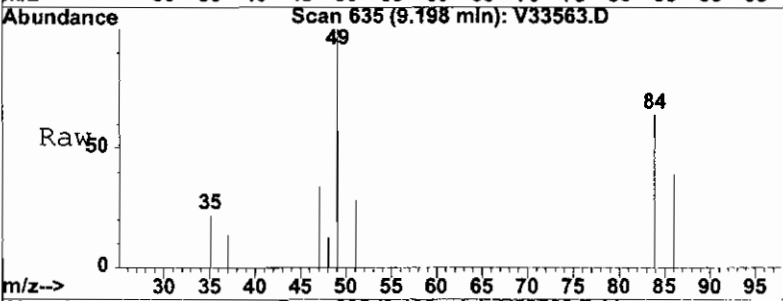
Abundance

Ion 70.00 (69.70 to 70.70): V335
 Ion 96.00 (95.70 to 96.70): V335
 Ion 70.00 (69.70 to 70.70): V335
 Ion 50.00 (49.70 to 50.70): V335



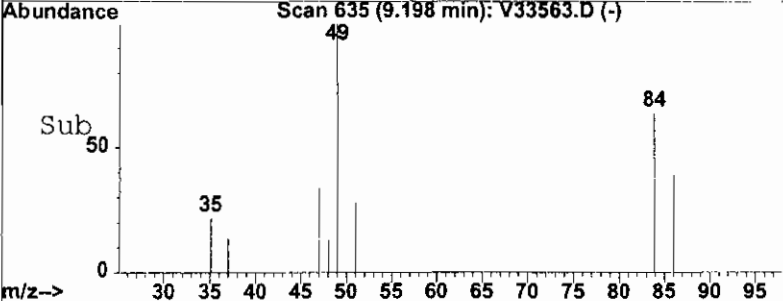
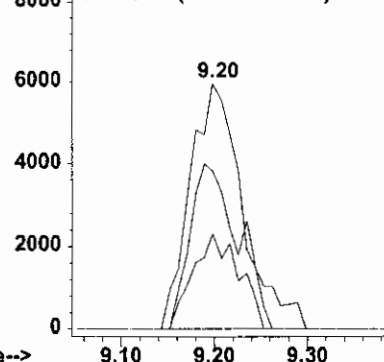
#11
 Methylene Chloride
 Concen: 8.61 ppb
 RT: 9.20 min Scan# 635
 Delta R.T. -0.09 min
 Lab File: V33563.D
 Acq: 20 Apr 2001 5:31 am

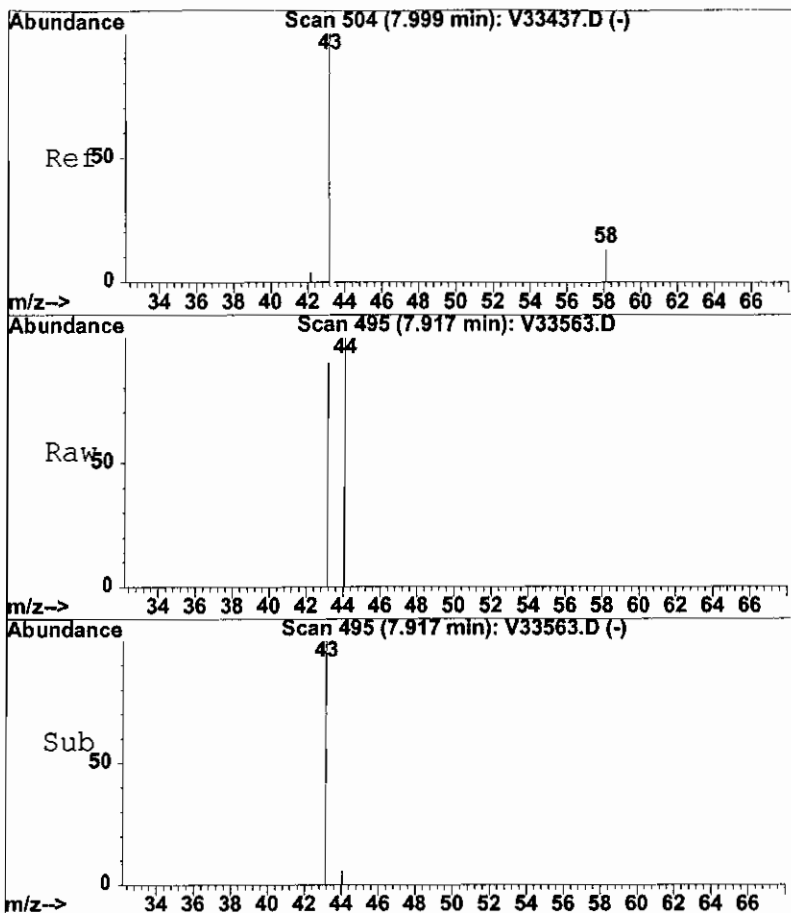
Tgt Ion: 49 Resp: 23324
 Ion Ratio Lower Upper
 49 100
 49 100.0 80.0 120.0
 84 0.0 57.7 86.5#
 86 33.9 33.4 50.2



Abundance

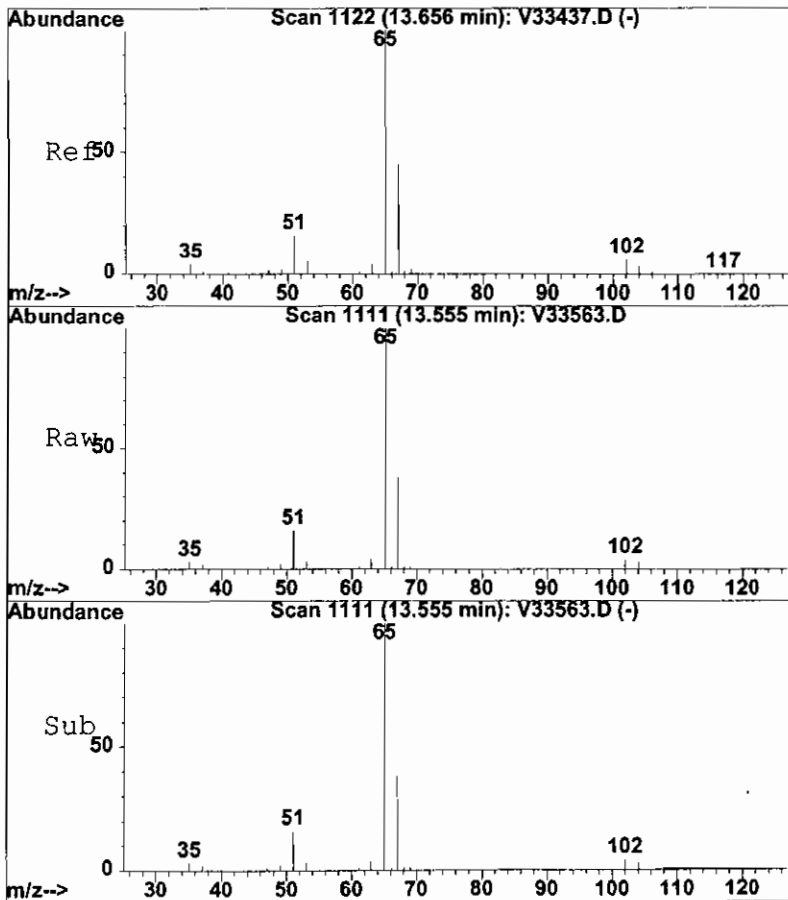
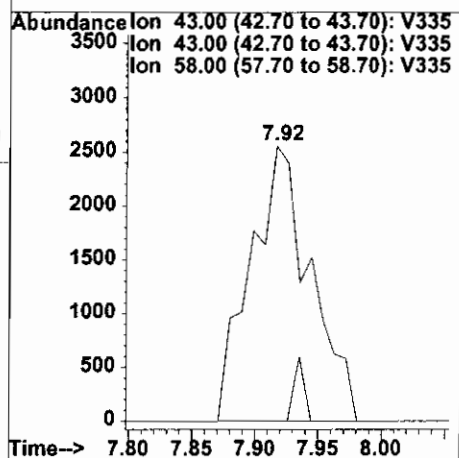
Ion 48.95 (48.65 to 49.65): V335
 Ion 48.95 (48.65 to 49.65): V335
 Ion 83.95 (83.65 to 84.65): V335
 Ion 85.90 (85.60 to 86.60): V335





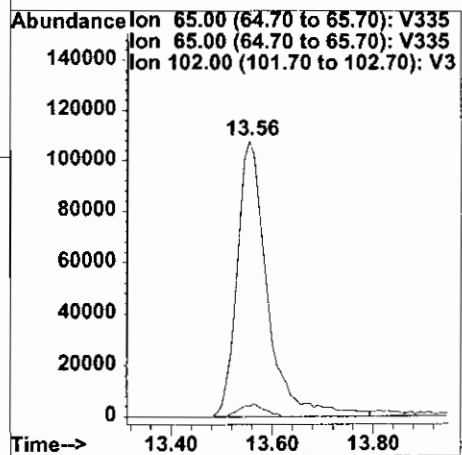
#13
Acetone
Concen: 9.14 ppb
RT: 7.92 min Scan# 495
Delta R.T. -0.07 min
Lab File: V33563.D
Acq: 20 Apr 2001 5:31 am

Tgt Ion: 43 Resp: 8400
Ion Ratio Lower Upper
43 100
43 100.0 80.0 120.0
58 3.9 10.8 16.2#

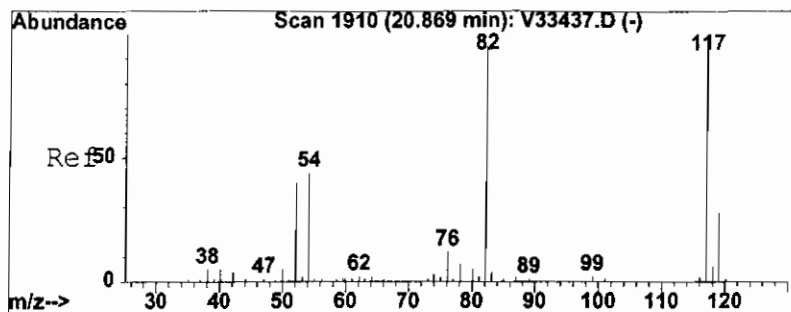


#22
d4-1,2-Dichloroethane (SURR)
Concen: 53.78 ppb
RT: 13.56 min Scan# 1111
Delta R.T. -0.12 min
Lab File: V33563.D
Acq: 20 Apr 2001 5:31 am

Tgt Ion: 65 Resp: 446656
Ion Ratio Lower Upper
65 100
65 100.0 80.0 120.0
102 3.6 4.2 6.4#



000262



#26

CHLOROBENZENE-d5 (ISTD)

Concen: 50.00 ppb

RT: 20.76 min Scan# 1898

Delta R.T. -0.10 min

Lab File: V33563.D

Acq: 20 Apr 2001 5:31 am

Tgt Ion: 117 Resp: 259815

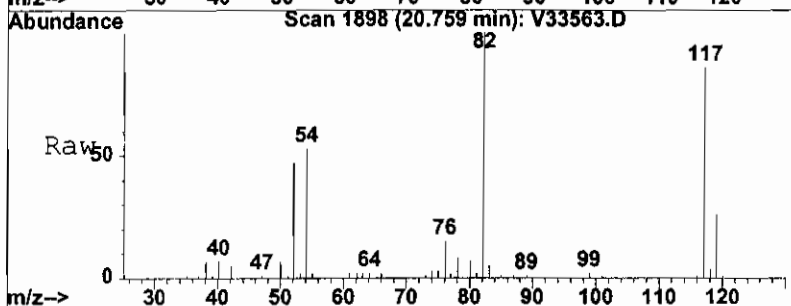
Ion Ratio Lower Upper

117 100

117 100.0 80.0 120.0

82 0.0 0.0 0.0

119 30.0 22.8 34.2



Abundance

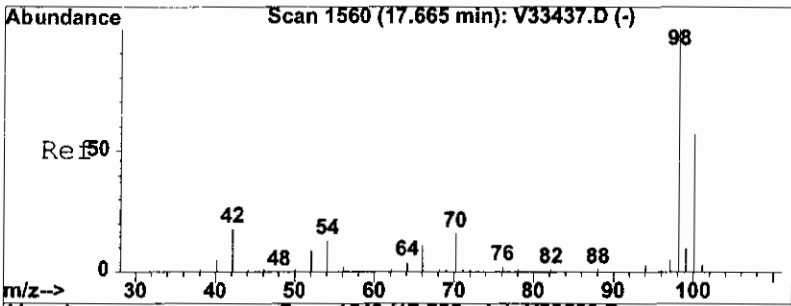
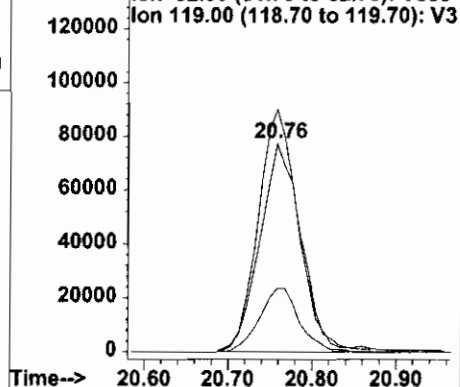
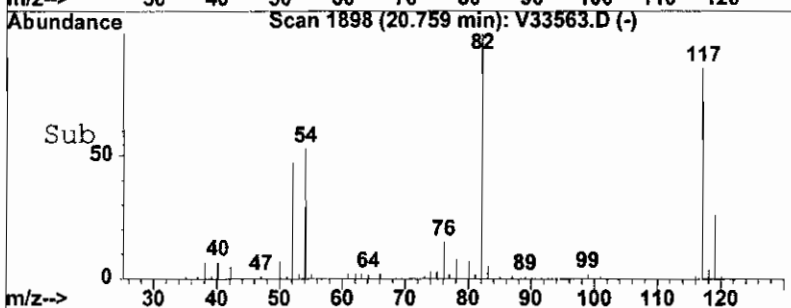
Ion 117.00 (116.70 to 117.70): V3

140000

Ion 117.00 (116.70 to 117.70): V3

Ion 82.00 (81.70 to 82.70): V335

Ion 119.00 (118.70 to 119.70): V3



#33

Toluene-d8 (SURR)

Concen: 54.88 ppb

RT: 17.55 min Scan# 1548

Delta R.T. -0.10 min

Lab File: V33563.D

Acq: 20 Apr 2001 5:31 am

Tgt Ion: 98 Resp: 422599

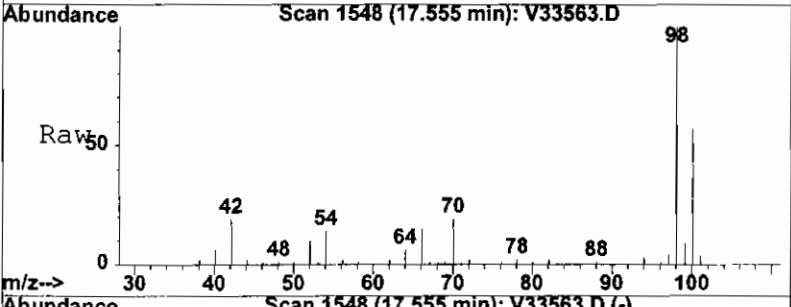
Ion Ratio Lower Upper

98 100

98 100.0 80.0 120.0

100 54.4 45.0 67.4

70 0.0 0.0 0.0



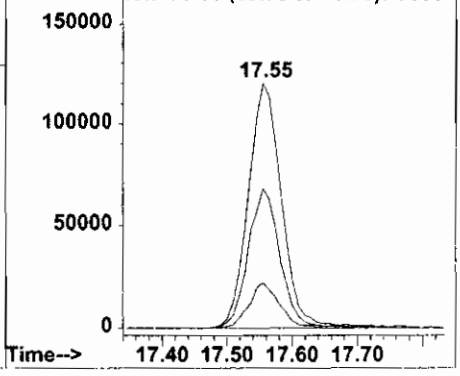
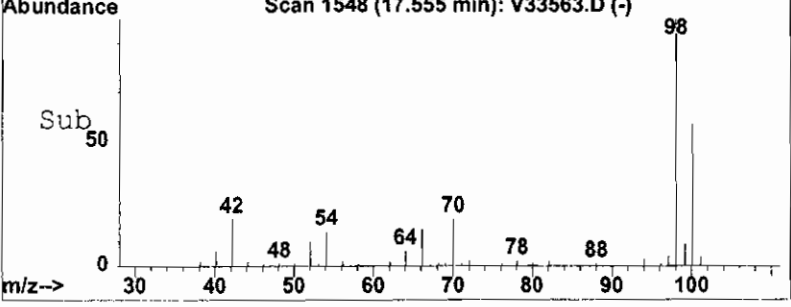
Abundance

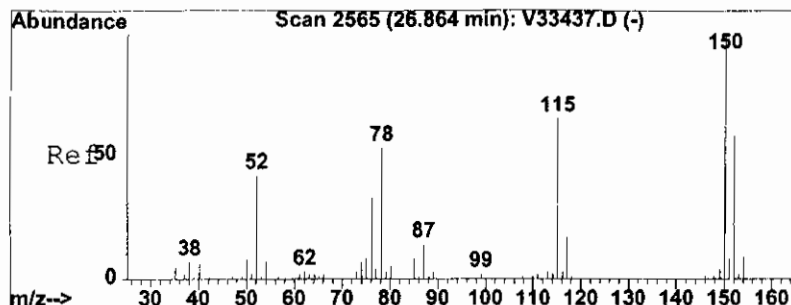
Ion 98.00 (97.70 to 98.70): V335

Ion 98.00 (97.70 to 98.70): V335

Ion 100.00 (99.70 to 100.70): V33

Ion 70.00 (69.70 to 70.70): V335





#48

1,2-DICHLOROBENZENE-d4 (ISTD)

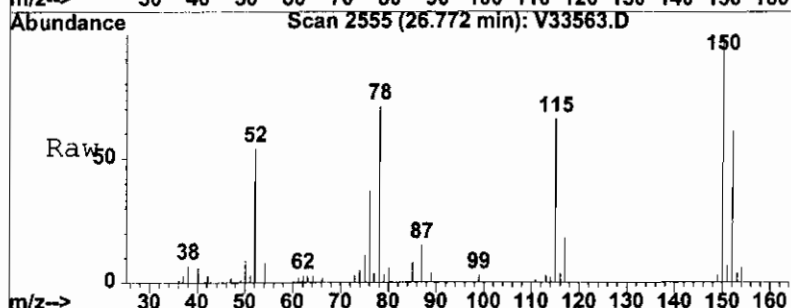
Concen: 50.00 ppb

RT: 26.77 min Scan# 2555

Delta R.T. -0.09 min

Lab File: V33563.D

Acq: 20 Apr 2001 5:31 am



Tgt Ion:152 Resp: 81070

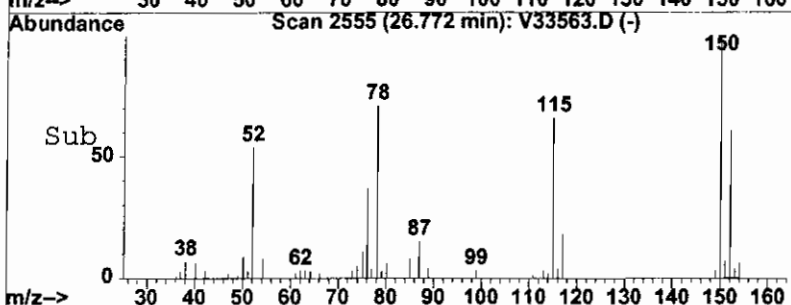
Ion Ratio Lower Upper

152 100

152 100.0 80.0 120.0

152 100.0 80.0 120.0

115 0.0 0.0 0.0

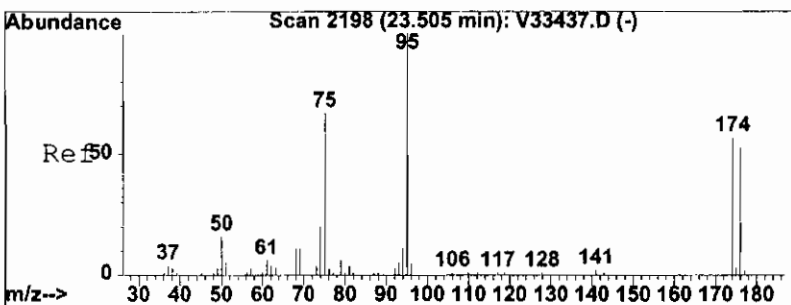
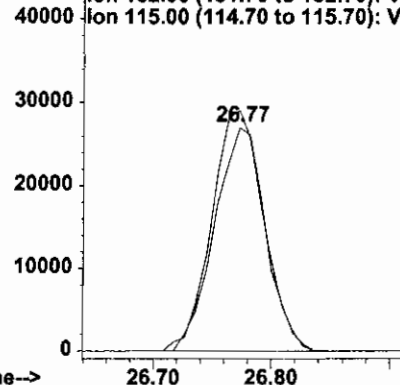


Abundance

Ion 152.00 (151.70 to 152.70): V3

Ion 152.00 (151.70 to 152.70): V3

Ion 115.00 (114.70 to 115.70): V3



#50

p-Bromofluorobenzene (SURR)

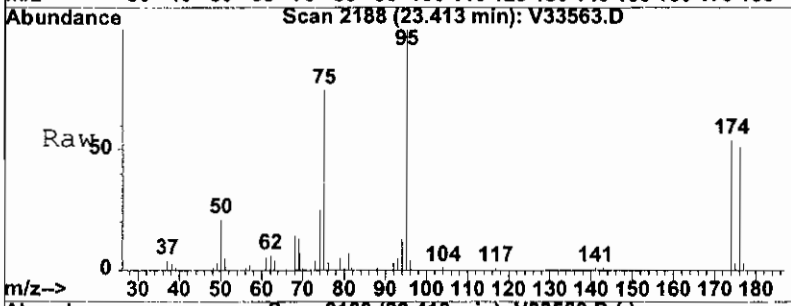
Concen: 61.35 ppb

RT: 23.41 min Scan# 2188

Delta R.T. -0.09 min

Lab File: V33563.D

Acq: 20 Apr 2001 5:31 am

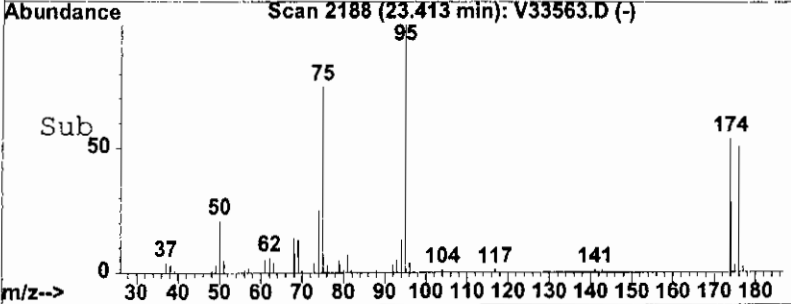


Tgt Ion:174 Resp: 117071

Ion Ratio Lower Upper

174 100

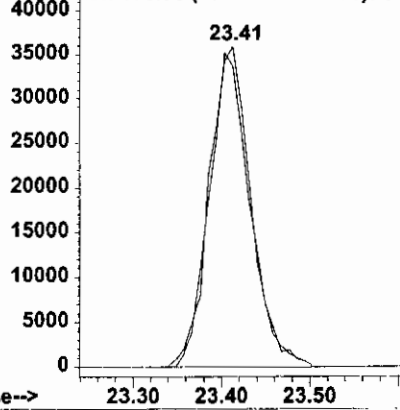
176 93.7 74.0 111.0



Abundance

Ion 174.00 (173.70 to 174.70): V3

Ion 176.00 (175.70 to 176.70): V3



000264

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\V33564.D
 Acq On : 20 Apr 2001 6:12 am
 Sample : 01040168-14 \$8260W ASPB
 Misc : QBV2041901A
 MS Integration Params: rteint.p
 Quant Time: Apr 20 6:44 19101

Vial: 25
 Operator: BB
 Inst : VOA No. 2
 Multiplr: 1.00

Quant Results File: V2C71W.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C71W.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Mon Apr 16 08:02:01 2001
 Response via : Initial Calibration
 DataAcq Meth : V2C71W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.30	70	128728	50.00	ppb	-0.09
26) CHLOROBENZENE-d5(ISTD)	20.77	117	261771	50.00	ppb	-0.09
48) 1,2-DICHLOROBENZENE-d4(IST	26.76	152	75385	50.00	ppb	-0.10

System Monitoring Compounds

22) d4-1,2-Dichloroethane(SURR	13.55	65	442343	54.14	ppb	-0.12
Spiked Amount	50.000	Range	67 - 128	Recovery	=	108.28%
33) Toluene-d8(SURR)	17.55	98	428882	55.28	ppb	-0.10
Spiked Amount	50.000	Range	87 - 113	Recovery	=	110.56%
50) p-Bromofluorobenzene(SURR)	23.41	174	104715	59.01	ppb	-0.09
Spiked Amount	50.000	Range	63 - 166	Recovery	=	118.02%

Target Compounds

13) Acetone	7.92	43	3905	4/32	ppb	Qvalue # 96

3

Quantitati Report

Data File : C:\HPCHEM\1\DATA\V33564.D
 Acq On : 20 Apr 2001 6:12 am
 Sample : 01040168-14 \$8260W ASPB
 Misc : QBV2041901A

Vial: 25
 Operator: BB
 Inst : VOA No. 2
 Multiplr: 1.00

MS Integration Params: rteint.p

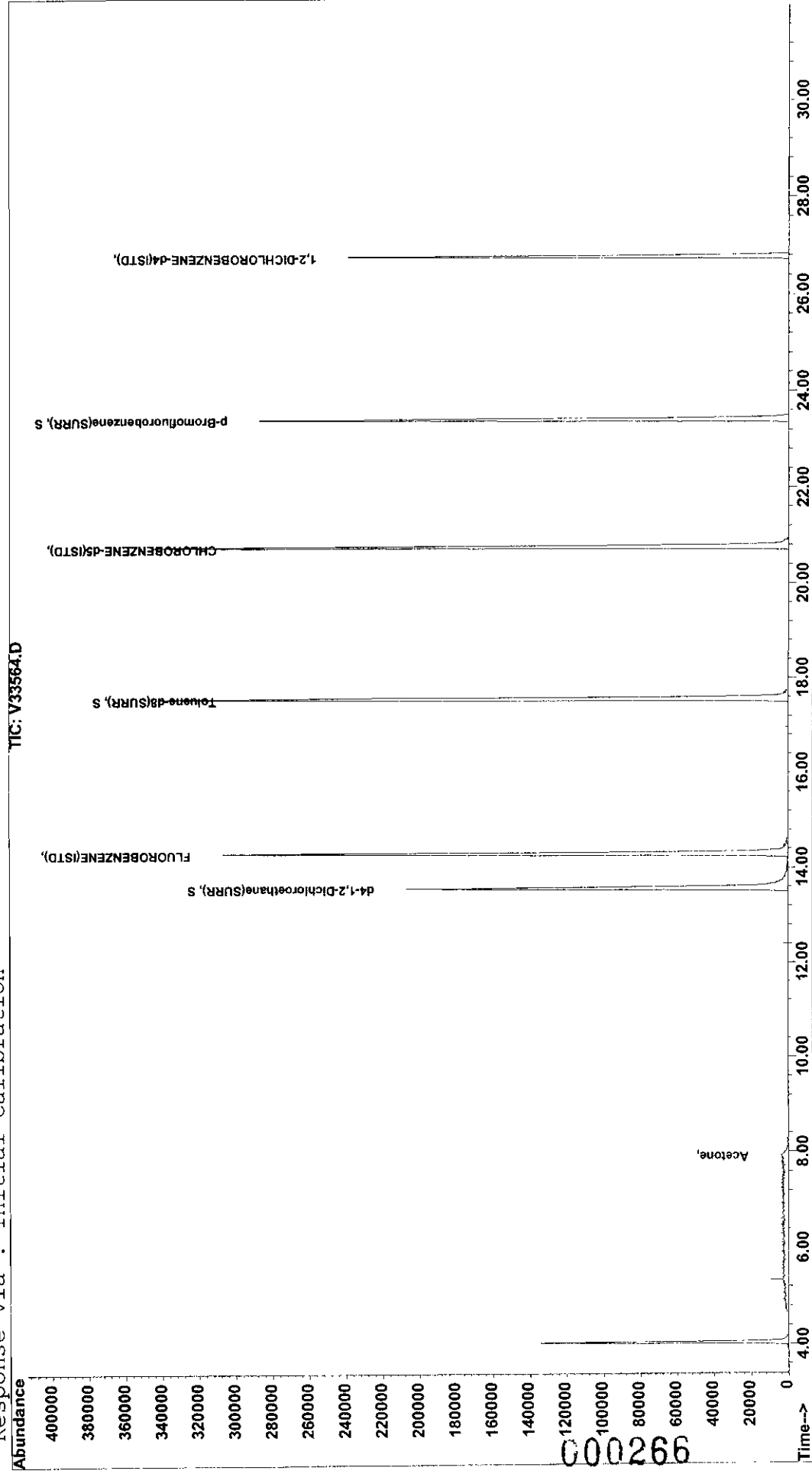
Quant Time: Apr 20 6:44 19101 Quant Results File: V2C71W.RES

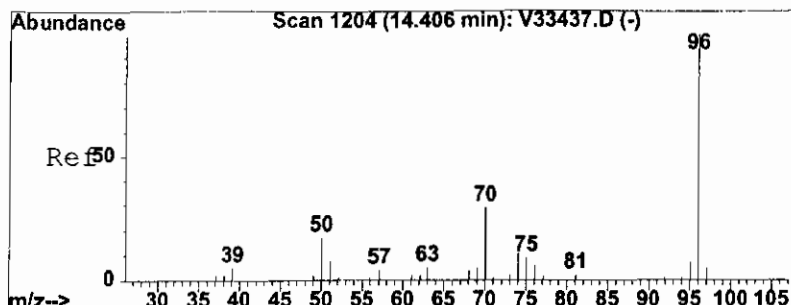
Method : C:\HPCHEM\1\METHODS\V2C71W.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Mon Apr 16 08:02:01 2001

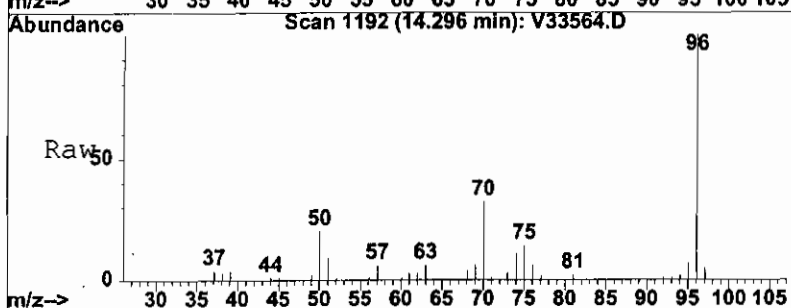
Response via : Initial Calibration



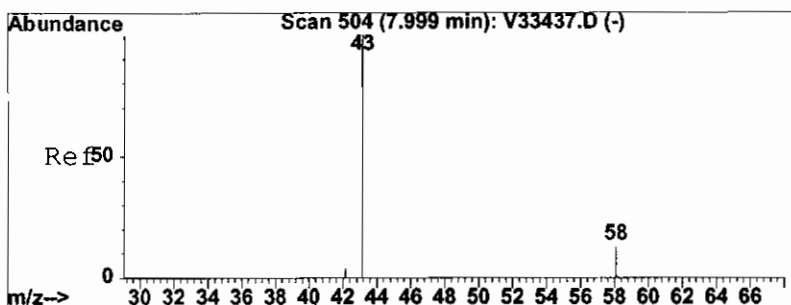
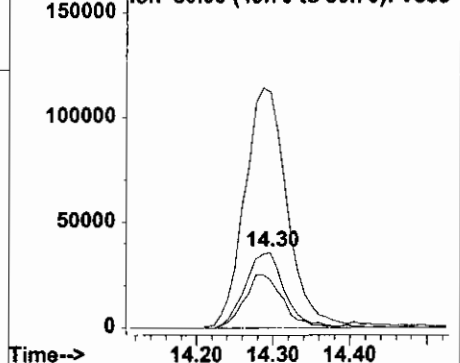
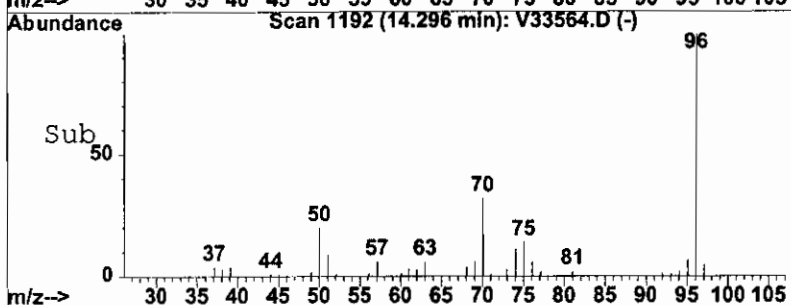


#1
 FLUOROBENZENE (ISTD)
 Concen: 50.00 ppb
 RT: 14.30 min Scan# 1192
 Delta R.T. -0.09 min
 Lab File: V33564.D
 Acq: 20 Apr 2001 6:12 am

Tgt Ion: 70 Resp: 128728
 Ion Ratio Lower Upper
 70 100
 96 339.4 300.1 450.1
 70 100.0 80.0 120.0
 50 67.6 50.2 75.2

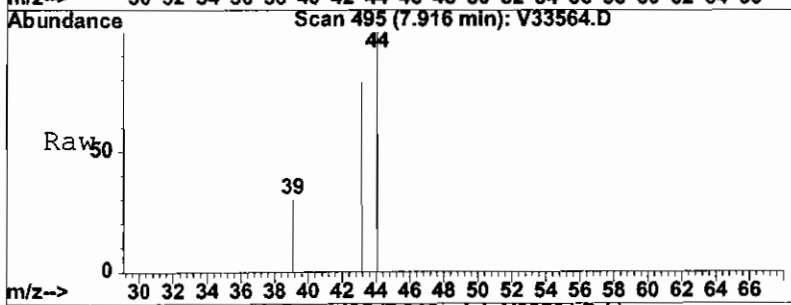


Abundance Ion 70.00 (69.70 to 70.70): V335
 Ion 96.00 (95.70 to 96.70): V335
 Ion 70.00 (69.70 to 70.70): V335
 Ion 50.00 (49.70 to 50.70): V335

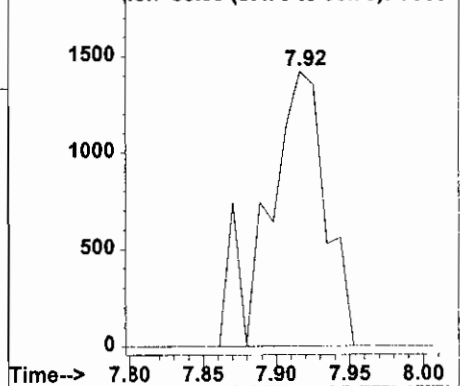
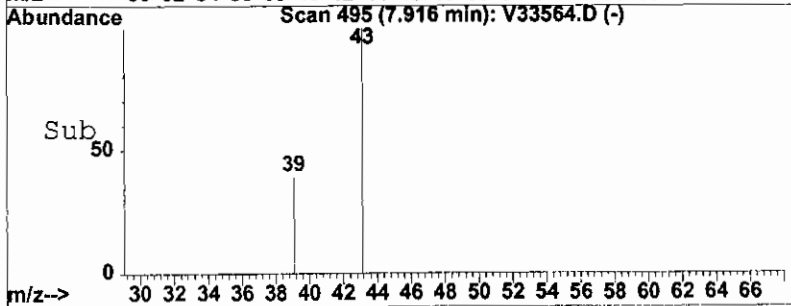


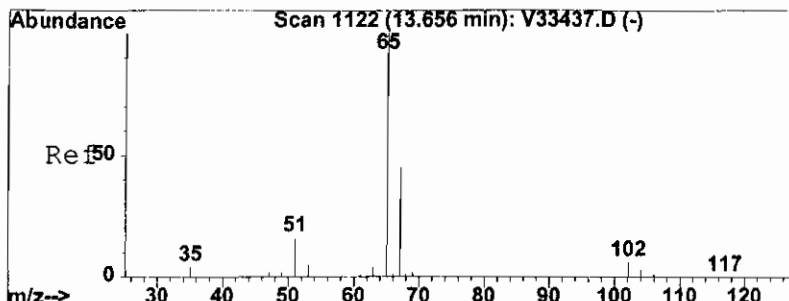
#13
 Acetone
 Concen: 4.32 ppb
 RT: 7.92 min Scan# 495
 Delta R.T. -0.07 min
 Lab File: V33564.D
 Acq: 20 Apr 2001 6:12 am

Tgt Ion: 43 Resp: 3905
 Ion Ratio Lower Upper
 43 100
 43 100.0 80.0 120.0
 58 0.0 10.8 16.2#



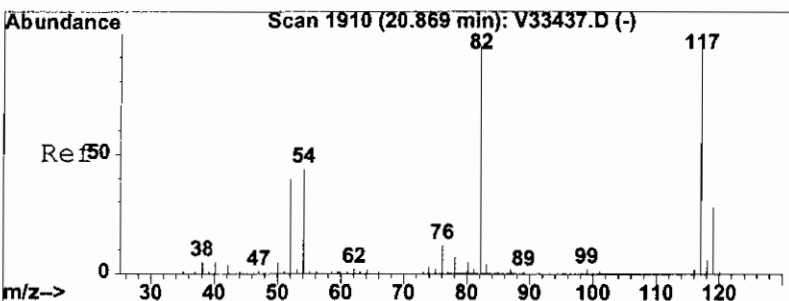
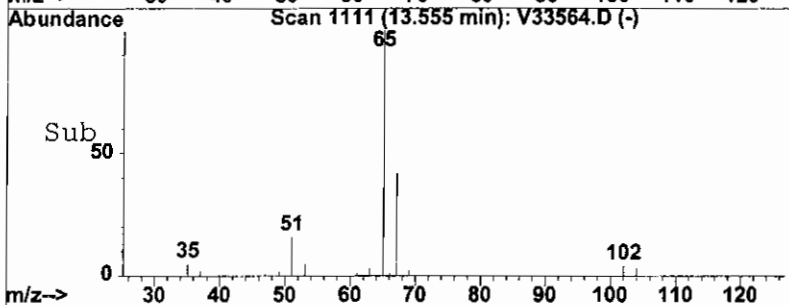
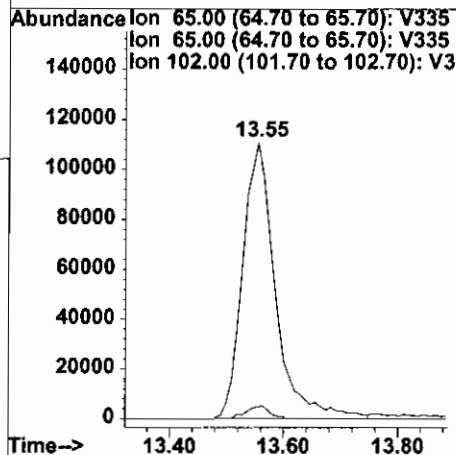
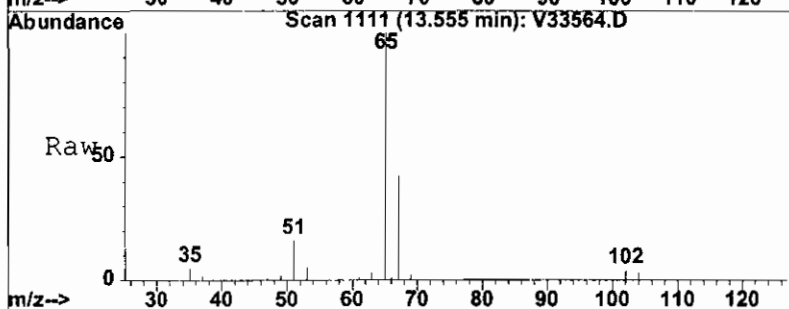
Abundance Ion 43.00 (42.70 to 43.70): V335
 Ion 43.00 (42.70 to 43.70): V335
 Ion 58.00 (57.70 to 58.70): V335





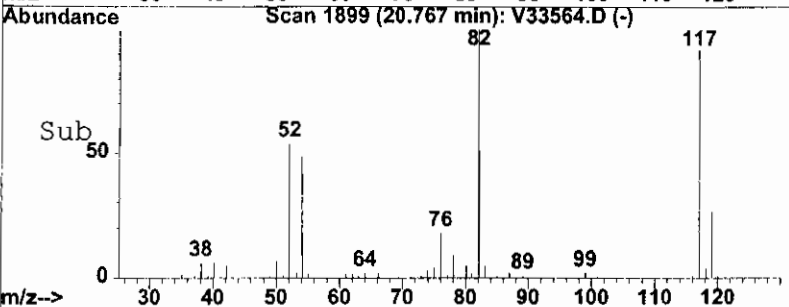
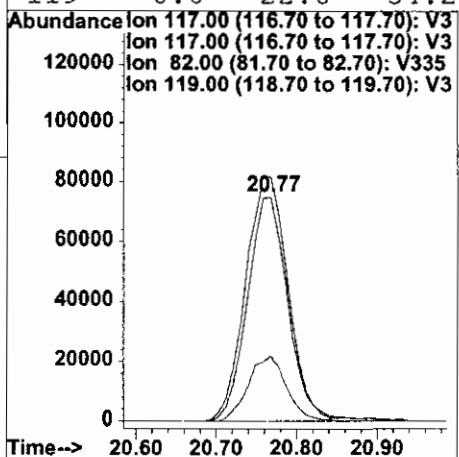
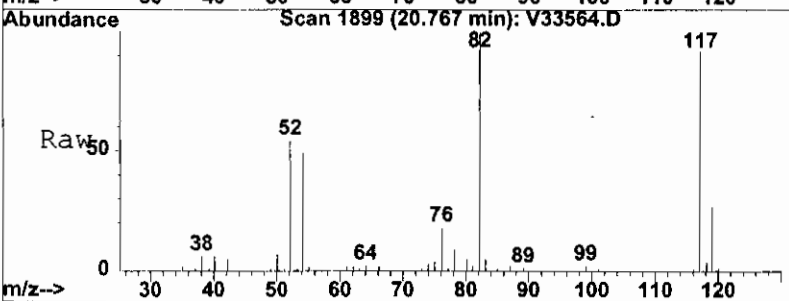
#22
d4-1,2-Dichloroethane (SURRE)
Concen: 54.14 ppb
RT: 13.55 min Scan# 1111
Delta R.T. -0.12 min
Lab File: V33564.D
Acq: 20 Apr 2001 6:12 am

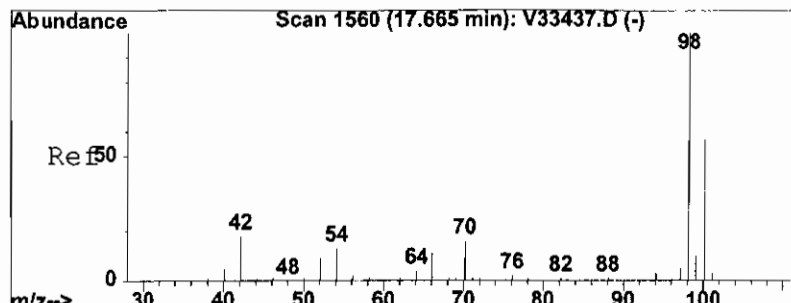
Tgt Ion: 65 Resp: 442343
Ion Ratio Lower Upper
65 100
65 100.0 80.0 120.0
102 3.5 4.2 6.4#



#26
CHLOROBENZENE-d5 (ISTD)
Concen: 50.00 ppb
RT: 20.77 min Scan# 1899
Delta R.T. -0.09 min
Lab File: V33564.D
Acq: 20 Apr 2001 6:12 am

Tgt Ion: 117 Resp: 261771
Ion Ratio Lower Upper
117 100
117 100.0 80.0 120.0
82 114.7 0.0 0.0#
119 0.0 22.8 34.2#





#33

Toluene-d8 (Surr)

Concen: 55.28 ppb

RT: 17.55 min Scan# 1548

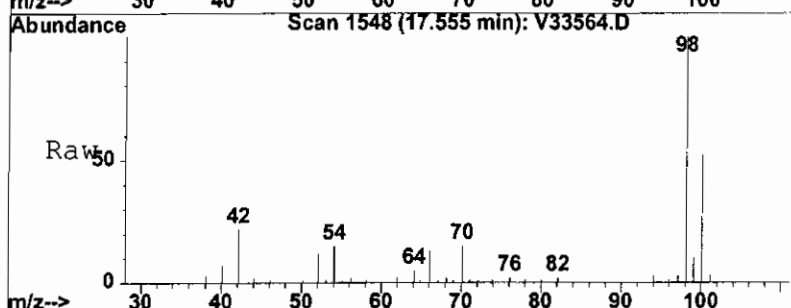
Delta R.T. -0.10 min

Lab File: V33564.D

Acq: 20 Apr 2001 6:12 am

Tgt Ion: 98 Resp: 428882

Ion	Ratio	Lower	Upper
98	100		
98	100.0	80.0	120.0
100	52.8	45.0	67.4
70	0.0	0.0	0.0



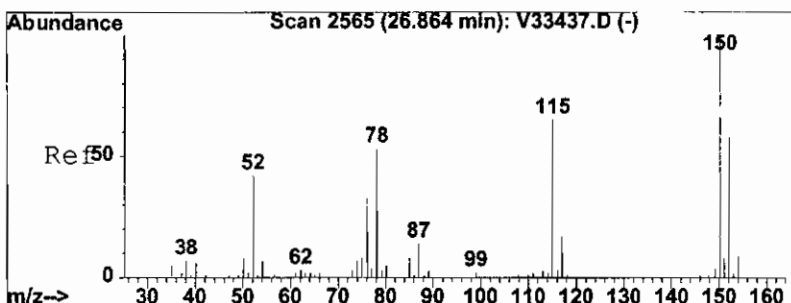
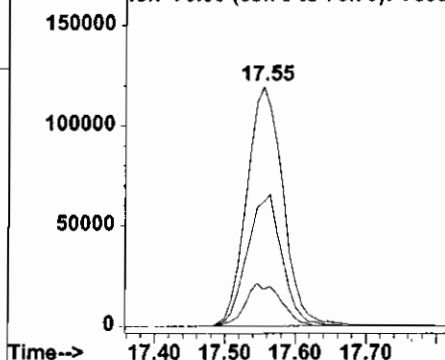
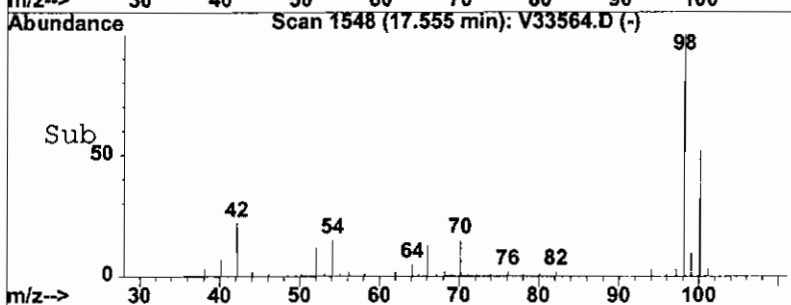
Abundance

Ion 98.00 (97.70 to 98.70): V335

Ion 98.00 (97.70 to 98.70): V335

Ion 100.00 (99.70 to 100.70): V33

Ion 70.00 (69.70 to 70.70): V335



#48

1,2-DICHLOROBENZENE-d4 (ISTD)

Concen: 50.00 ppb

RT: 26.76 min Scan# 2554

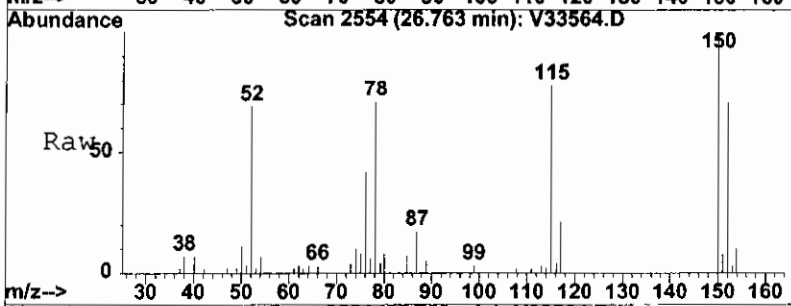
Delta R.T. -0.10 min

Lab File: V33564.D

Acq: 20 Apr 2001 6:12 am

Tgt Ion: 152 Resp: 75385

Ion	Ratio	Lower	Upper
152	100		
152	100.0	80.0	120.0
152	100.0	80.0	120.0
115	0.0	0.0	0.0



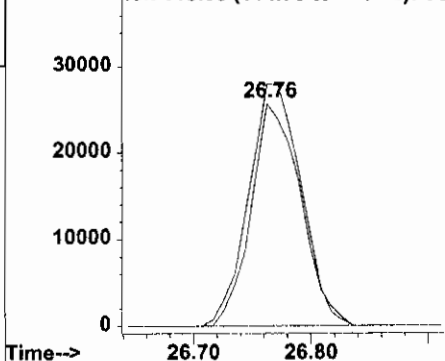
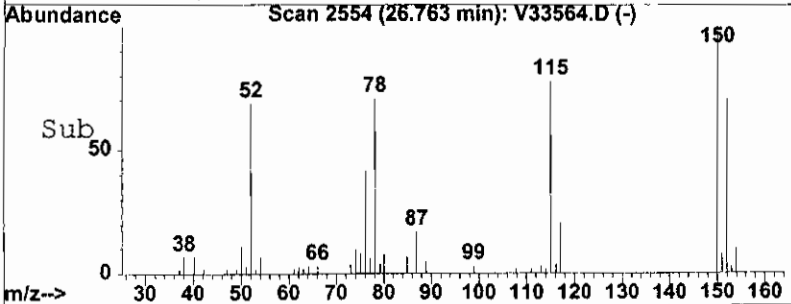
Abundance

Ion 152.00 (151.70 to 152.70): V3

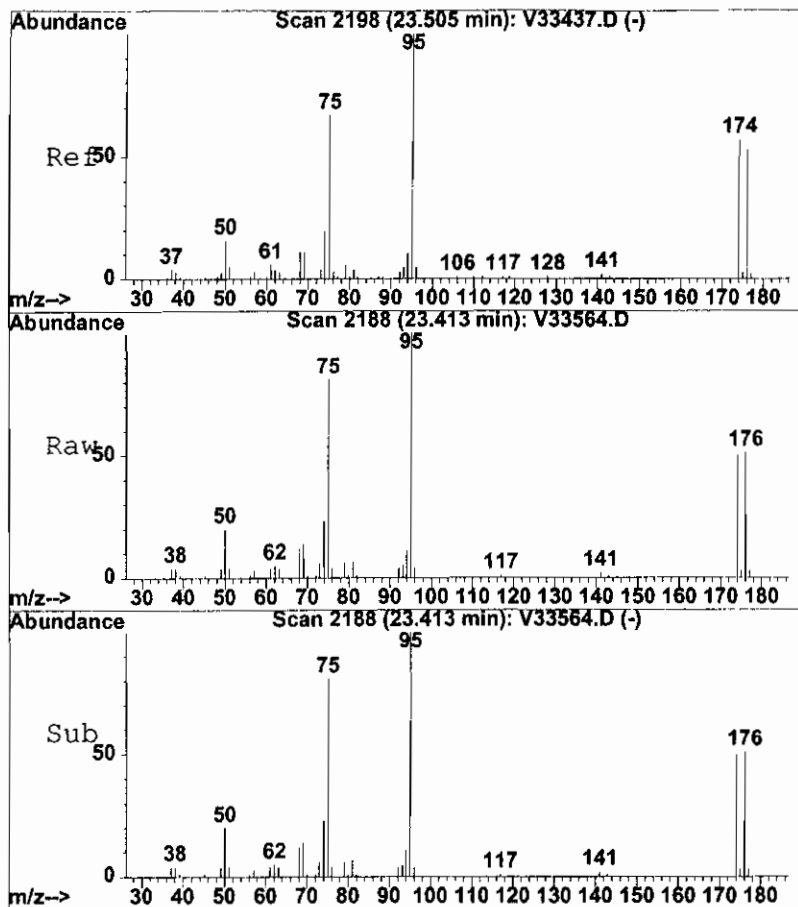
Ion 152.00 (151.70 to 152.70): V3

Ion 152.00 (151.70 to 152.70): V3

Ion 115.00 (114.70 to 115.70): V3



000269



#50

p-Bromofluorobenzene (SURR)

Concen: 59.01 ppb

RT: 23.41 min Scan# 2188

Delta R.T. -0.09 min

Lab File: V33564.D

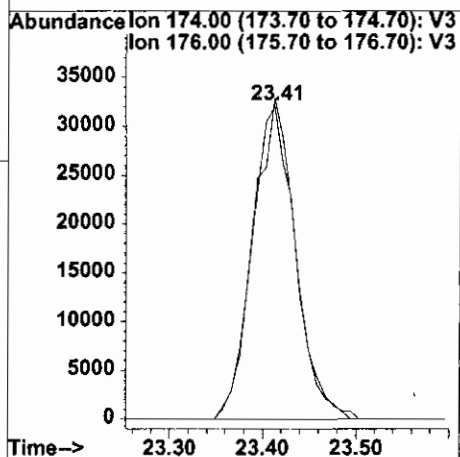
Acq: 20 Apr 2001 6:12 am

Tgt Ion: 174 Resp: 104715

Ion Ratio Lower Upper

174 100

176 102.7 74.0 111.0



000270

Data File : C:\HPCHEM\1\DATA\VO3705.D
Acq On : 20 Apr 2001 11:45 am
Sample : 01040168-15 \$8260S ASPB
Misc : QBV1041901B
MS Integration Params: rteint.p
Quant Time: Apr 20 12:17 19101

Vial: 38
Operator: SS
Inst : VOA No.1
Multiplr: 5.00

Quant Results File: V1C58S.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C58S.M (RTE Integrator)
Title : VOCs BY GC/MS 8240/8260
Last Update : Wed Apr 18 07:10:16 2001
Response via : Initial Calibration
DataAcq Meth : V1C58S

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.06	70	212449	50.00	ppb	-0.11
26) CHLOROBENZENE-d5(ISTD)	20.50	117	502307	50.00	ppb	-0.11
49) 1,2-DICHLOROBENZENE-d4(IST	26.52	152	281630	50.00	ppb	-0.10

System Monitoring Compounds

22) d4-1,2-Dichloroethane(SURR	13.33	65	219613	46.09	ppb	-0.11
Spiked Amount	50.000	Range	58 - 124	Recovery	=	92.18%
34) Toluene-d8(SURR)	17.31	98	702129	50.93	ppb	-0.11
Spiked Amount	50.000	Range	70 - 134	Recovery	=	101.86%
51) p-Bromofluorobenzene(SURR)	23.16	174	312232	45.24	ppb	-0.10
Spiked Amount	50.000	Range	59 - 145	Recovery	=	90.48%

Target Compounds

						Qvalue
11) Methylene Chloride✓	9.00	49	115417	48.25	ppb	96
12) tert-Butyl Methyl Ether (M	9.53	73	84432	24.26	ppb	100
13) Acetone	7.77	43	89814	~~230.65~~	ppb	# 96
16) 2-Butanone	11.30	72	800	~~8.26~~	ppb	# 1
35) Toluene✓	17.47	91	185957	37.09	ppb	100
45) p- & m-Xylenes✓	20.94	91	37290	9.36	ppb	100
46) o-Xylene✓	21.87	91	41516	11.049	ppb	99

B

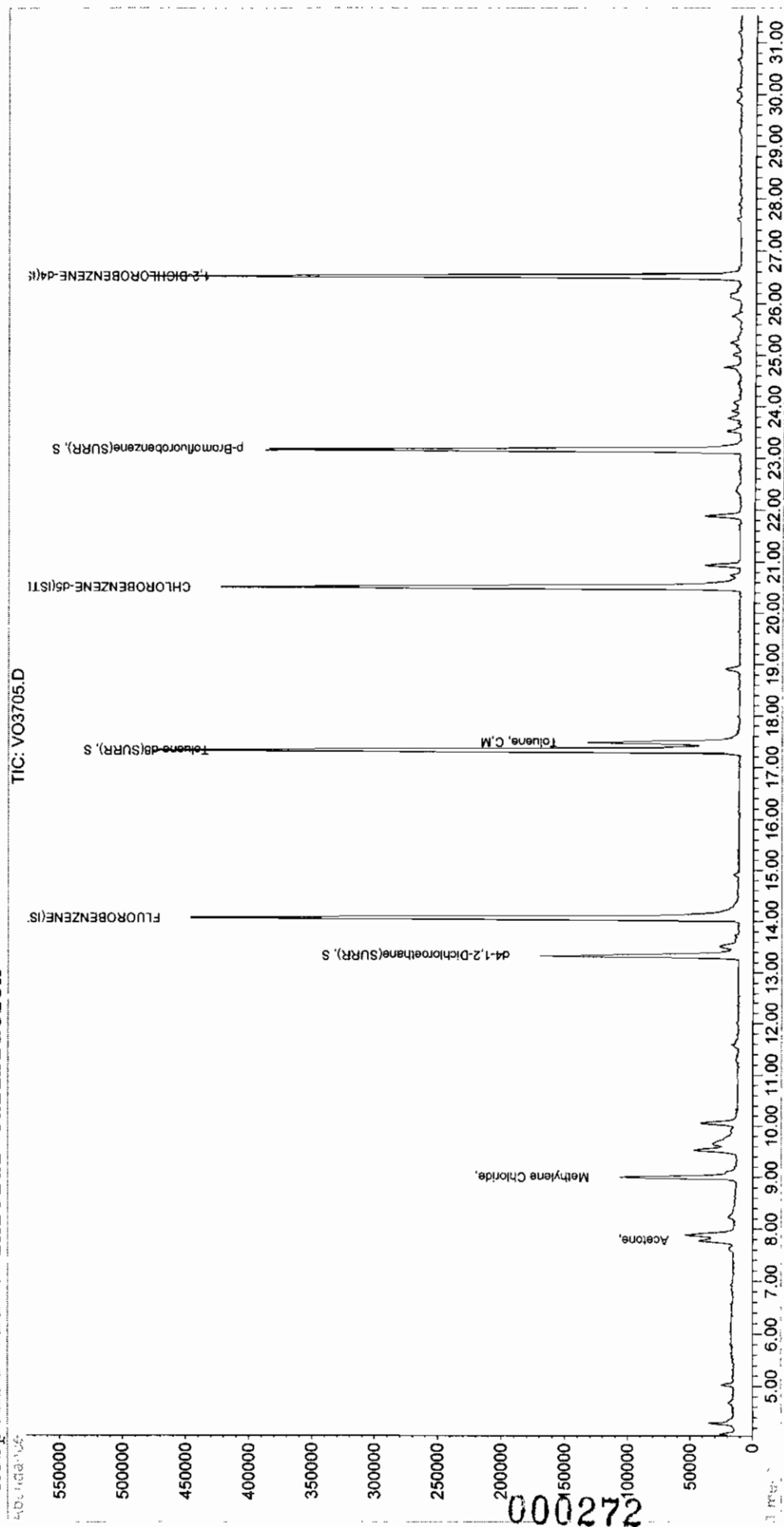
Quantitatj Report

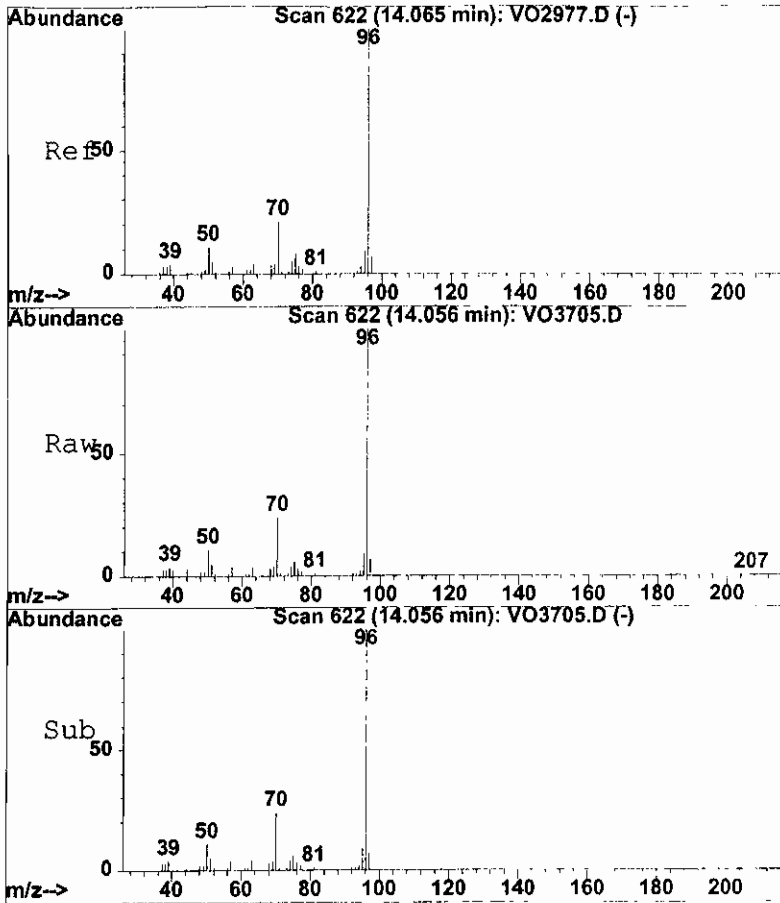
Data File : C:\HPCHEM\1\DATA\VO3705.D
 Acq On : 20 Apr 2001 11:45 am
 Sample : 01040168-15 \$8260S ASPB
 Misc : QBV1041901B
 MS Integration Params: rtint.p
 Quant Time: Apr 20 12:17 19101

Vial: 38
 Operator: SS
 Inst : VOA No.1
 Multiplr: 5.00

Quant Results File: V1C58S.RES

Method : C:\HPCHEM\1\METHODS\V1C58S.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Wed Apr 18 07:10:16 2001
 Response via : Initial Calibration

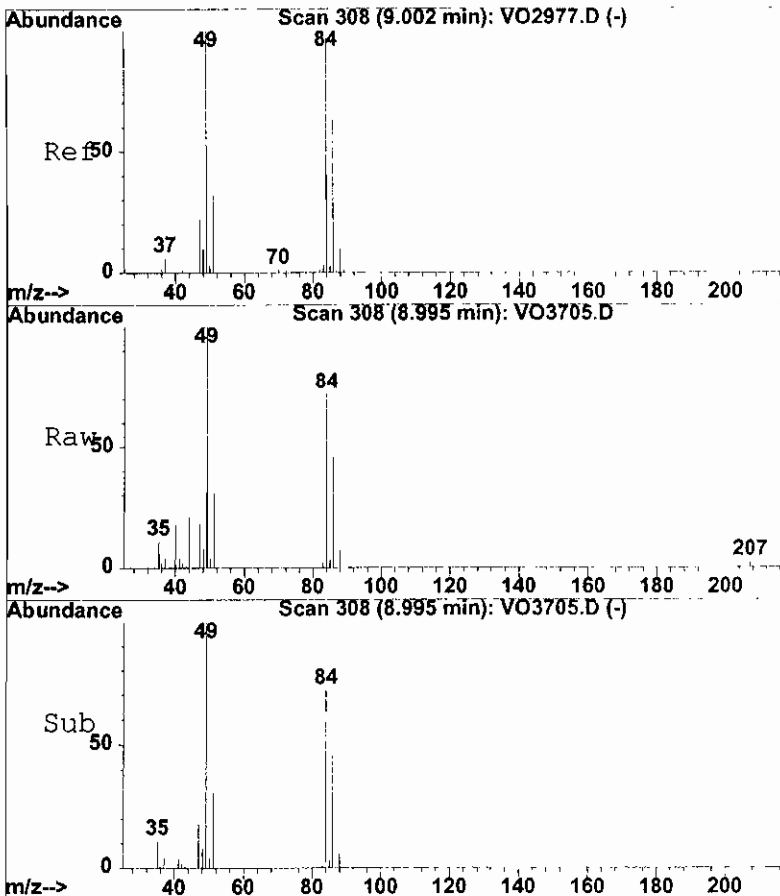
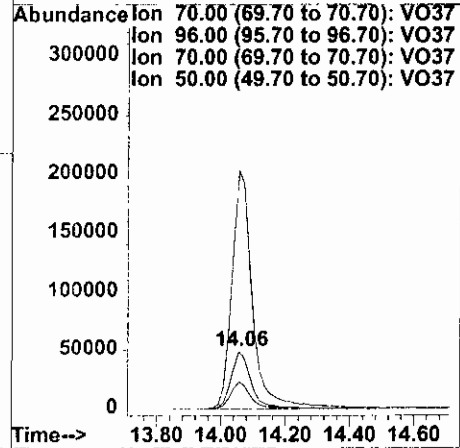




#1
 FLUOROBENZENE (ISTD)
 Concen: 50.00 ppb
 RT: 14.06 min Scan# 622
 Delta R.T. -0.11 min
 Lab File: VO3705.D
 Acq: 20 Apr 2001 11:45 am

Tgt Ion: 70 Resp: 212449

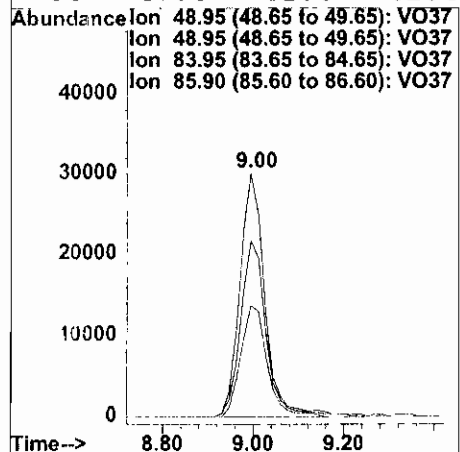
Ion	Ratio	Lower	Upper
70	100		
96	427.6	354.0	531.0
70	100.0	80.0	120.0
50	0.0	0.0	0.0



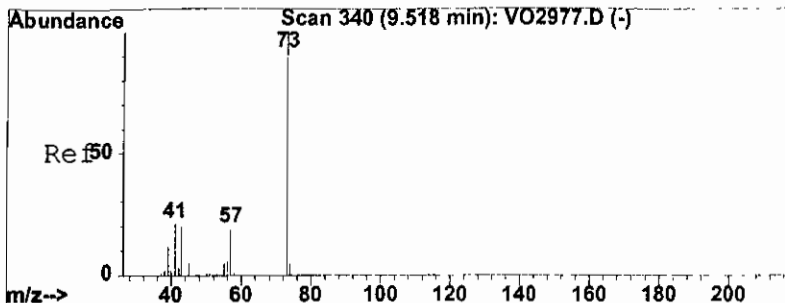
#11
 Methylene Chloride
 Concen: 48.25 ppb
 RT: 9.00 min Scan# 308
 Delta R.T. -0.11 min
 Lab File: VO3705.D
 Acq: 20 Apr 2001 11:45 am

Tgt Ion: 49 Resp: 115417

Ion	Ratio	Lower	Upper
49	100		
49	100.0	80.0	120.0
84	73.7	65.0	97.4
86	47.6	41.6	62.4



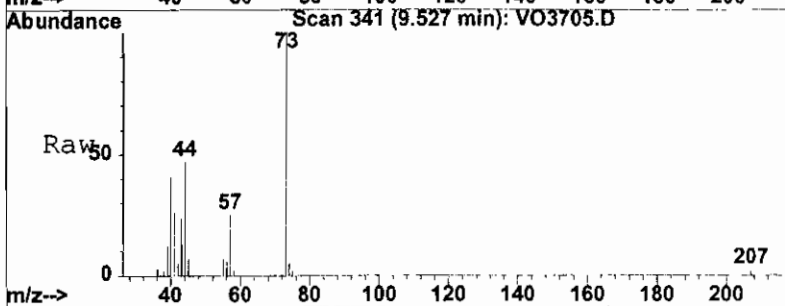
000273



#12
tert-Butyl Methyl Ether (MTBE)
Concen: 24.26 ppb
RT: 9.53 min Scan# 341
Delta R.T. -0.09 min
Lab File: VO3705.D
Acq: 20 Apr 2001 11:45 am

Tgt Ion: 73 Resp: 84432

Ion	Ratio	Lower	Upper
73	100		
73	100.0	80.0	120.0
43	0.0	0.0	0.0
57	0.0	0.0	0.0

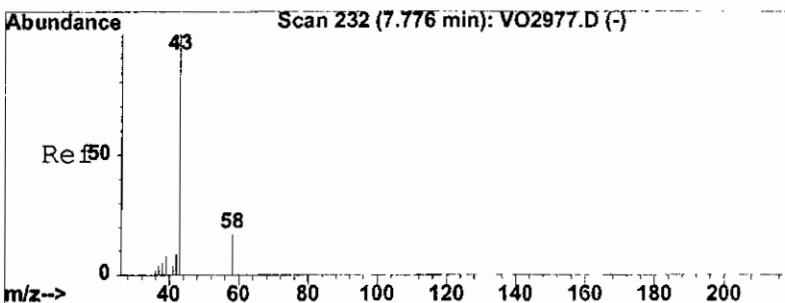
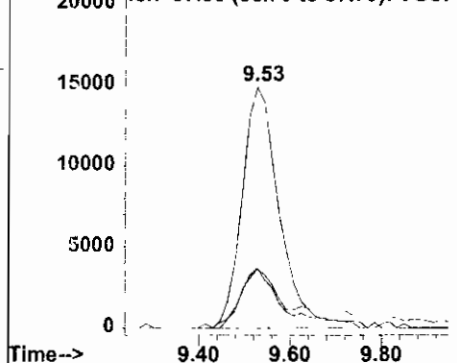
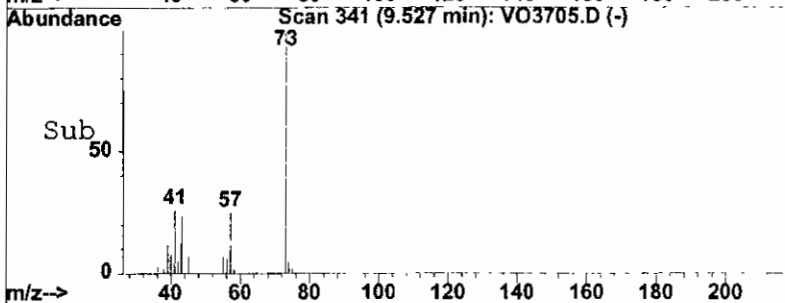


Abundance

Ion 73.00 (72.70 to 73.70): VO37

Ion 43.00 (42.70 to 43.70): VO37

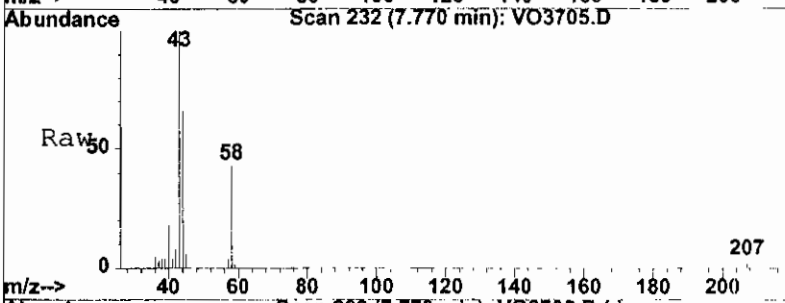
Ion 57.00 (56.70 to 57.70): VO37



#13
Acetone
Concen: 230.65 ppb
RT: 7.77 min Scan# 232
Delta R.T. -0.10 min
Lab File: VO3705.D
Acq: 20 Apr 2001 11:45 am

Tgt Ion: 43 Resp: 89814

Ion	Ratio	Lower	Upper
43	100		
43	100.0	80.0	120.0
58	42.2	26.6	40.0#

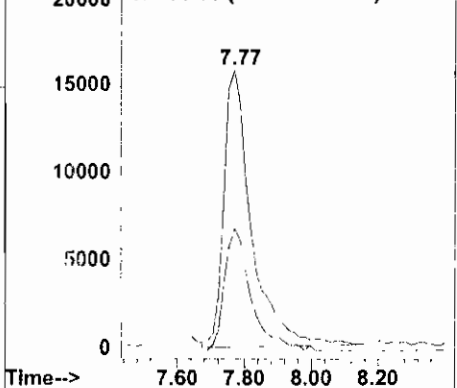
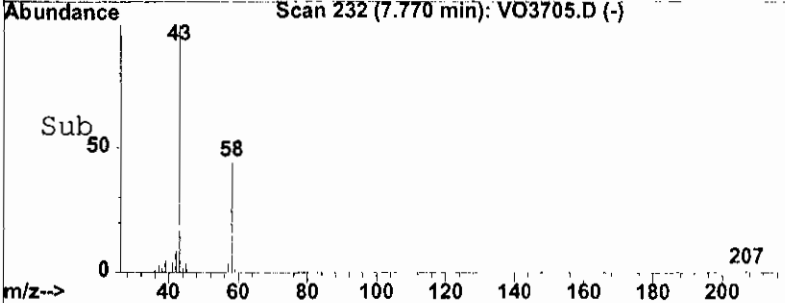


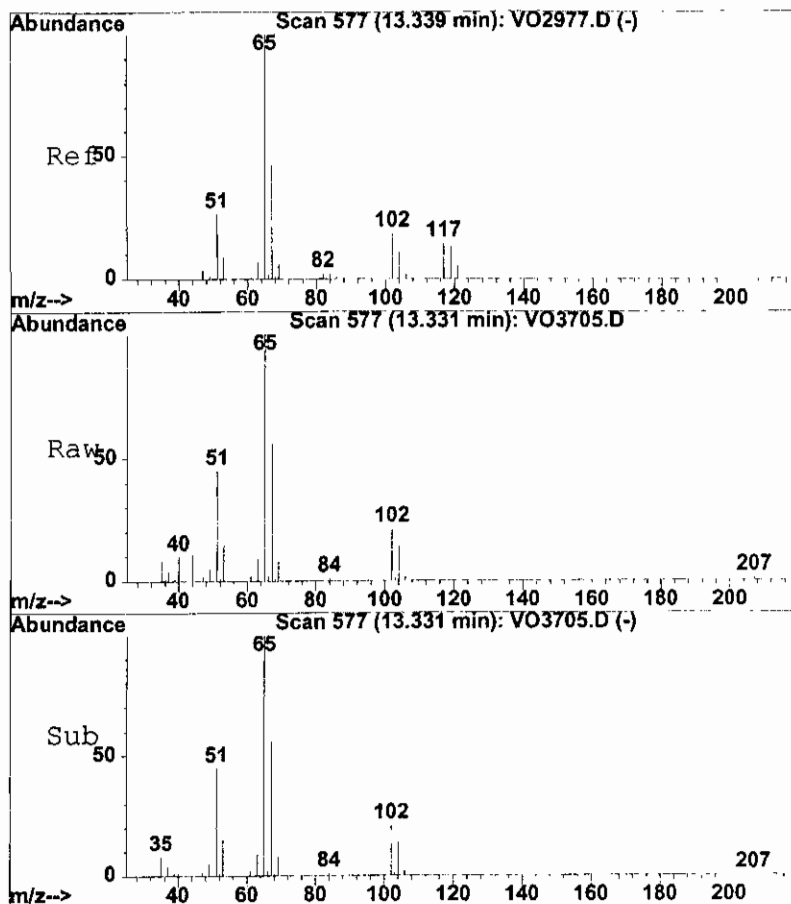
Abundance

Ion 43.00 (42.70 to 43.70): VO37

Ion 43.00 (42.70 to 43.70): VO37

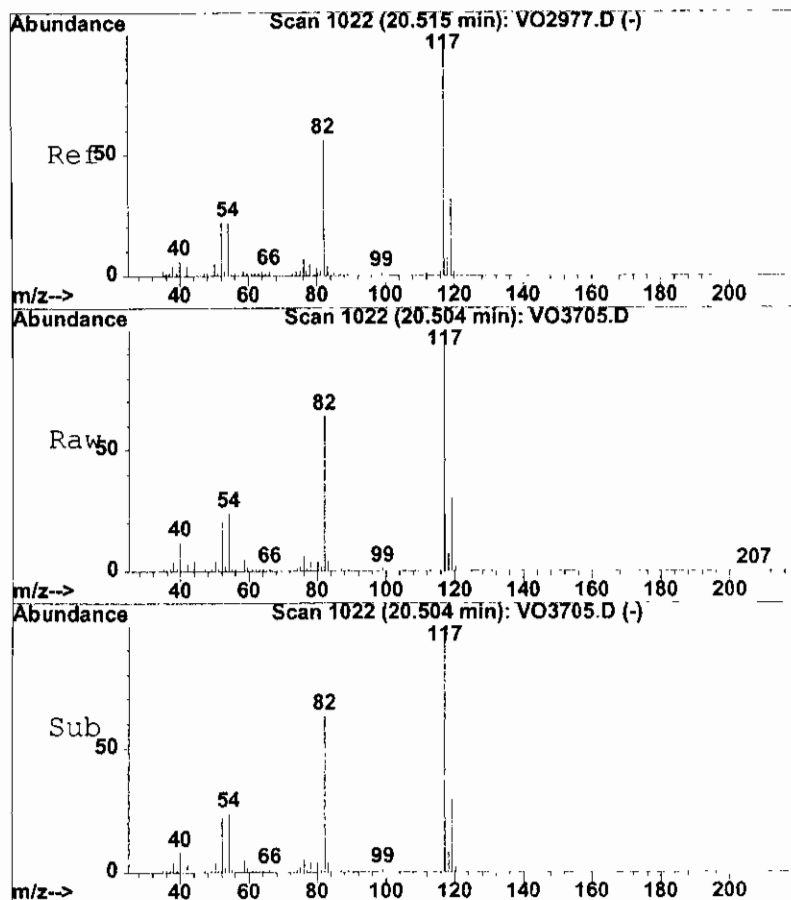
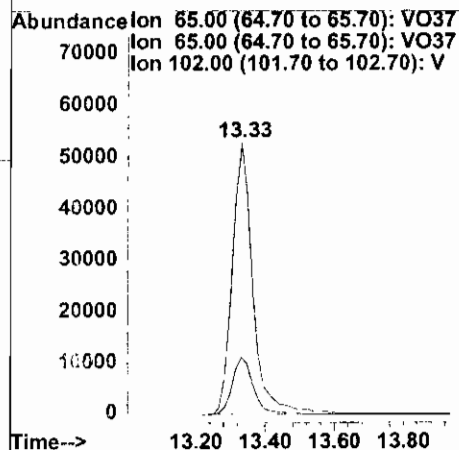
Ion 58.00 (57.70 to 58.70): VO37





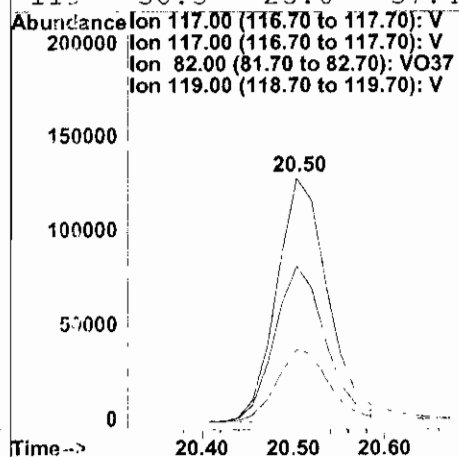
#22
d4-1,2-Dichloroethane (SURR)
Concen: 46.09 ppb
RT: 13.33 min Scan# 577
Delta R.T. -0.11 min
Lab File: VO3705.D
Acq: 20 Apr 2001 11:45 am

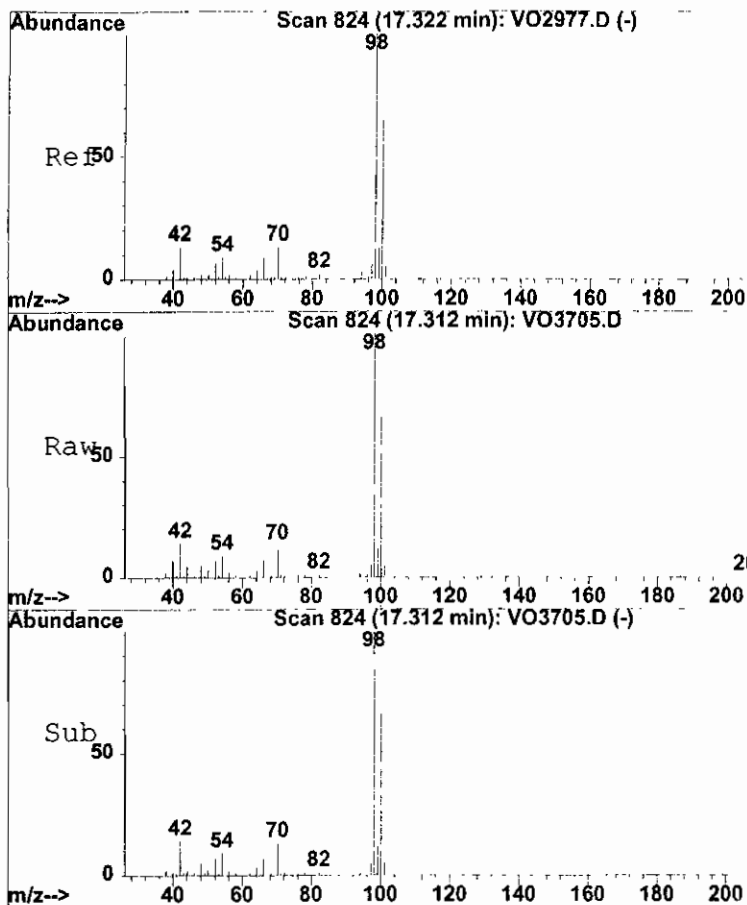
Tgt Ion: 65 Resp: 219613
Ion Ratio Lower Upper
65 100
65 100.0 80.0 120.0
102 21.3 15.5 23.3



#26
CHLORO BENZENE-d5 (ISTD)
Concen: 50.00 ppb
RT: 20.50 min Scan# 1022
Delta R.T. -0.11 min
Lab File: VO3705.D
Acq: 20 Apr 2001 11:45 am

Tgt Ion: 117 Resp: 502307
Ion Ratio Lower Upper
117 100
117 100.0 80.0 120.0
82 0.0 0.0 0.0
119 30.3 25.0 37.4

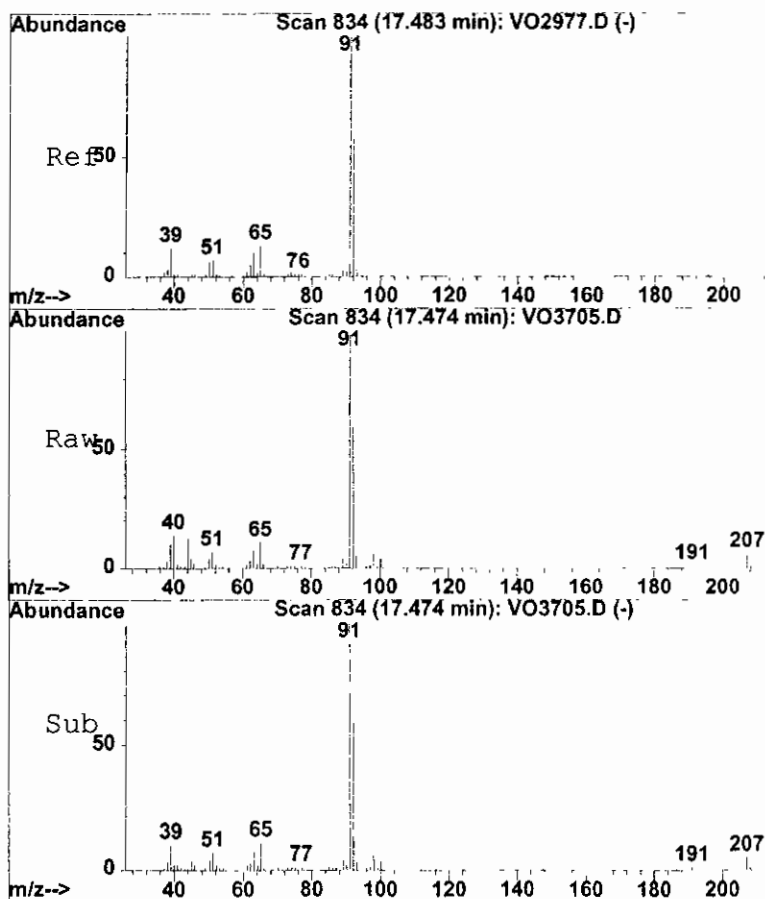
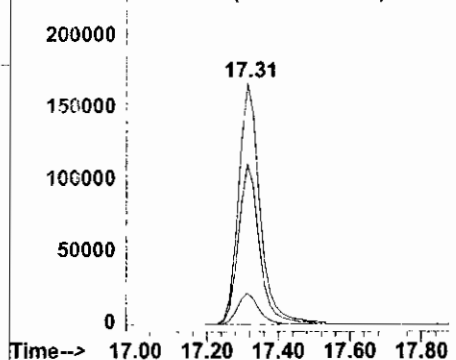




#34
Toluene-d8 (SURR)
Concen: 50.93 ppb
RT: 17.31 min Scan# 824
Delta R.T. -0.11 min
Lab File: VO3705.D
Acq: 20 Apr 2001 11:45 am

Tgt Ion: 98 Resp: 702129
Ion Ratio Lower Upper
98 100
98 100.0 80.0 120.0
100 65.4 0.0 0.0#
70 0.0 10.2 15.4#

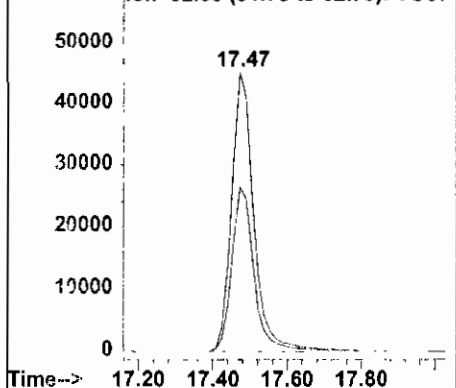
Abundance Ion 98.00 (97.70 to 98.70): VO37
250000 Ion 98.00 (97.70 to 98.70): VO37
Ion 100.00 (99.70 to 100.70): VO
Ion 70.00 (69.70 to 70.70): VO37

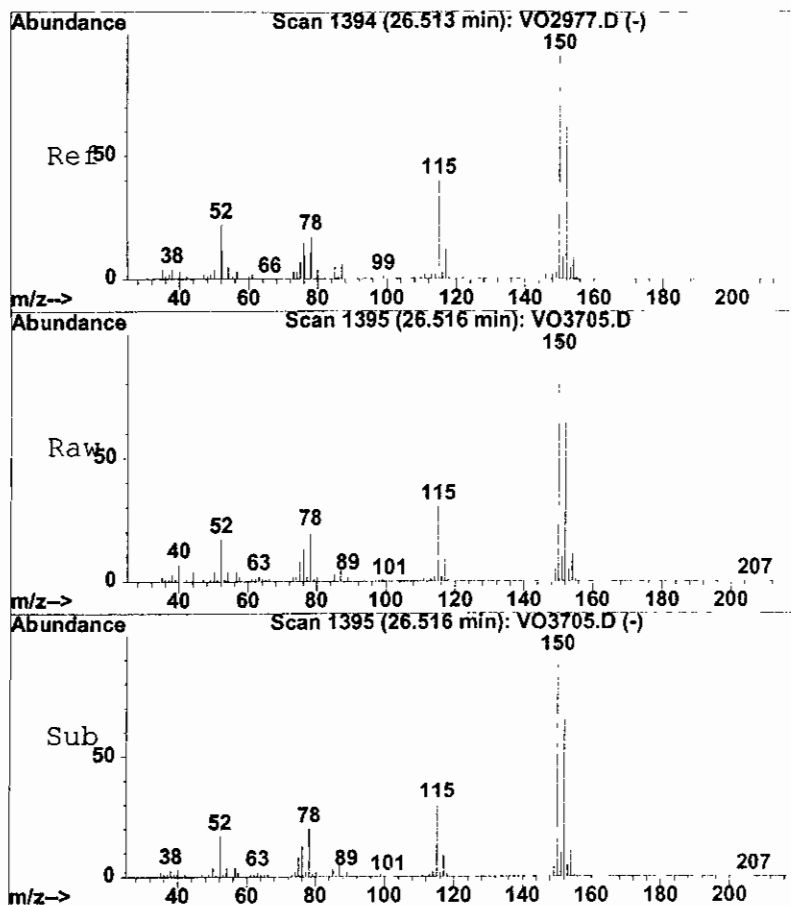


#35
Toluene
Concen: 37.09 ppb
RT: 17.47 min Scan# 834
Delta R.T. -0.11 min
Lab File: VO3705.D
Acq: 20 Apr 2001 11:45 am

Tgt Ion: 91 Resp: 185957
Ion Ratio Lower Upper
91 100
91 100.0 80.0 120.0
92 58.2 46.6 69.8

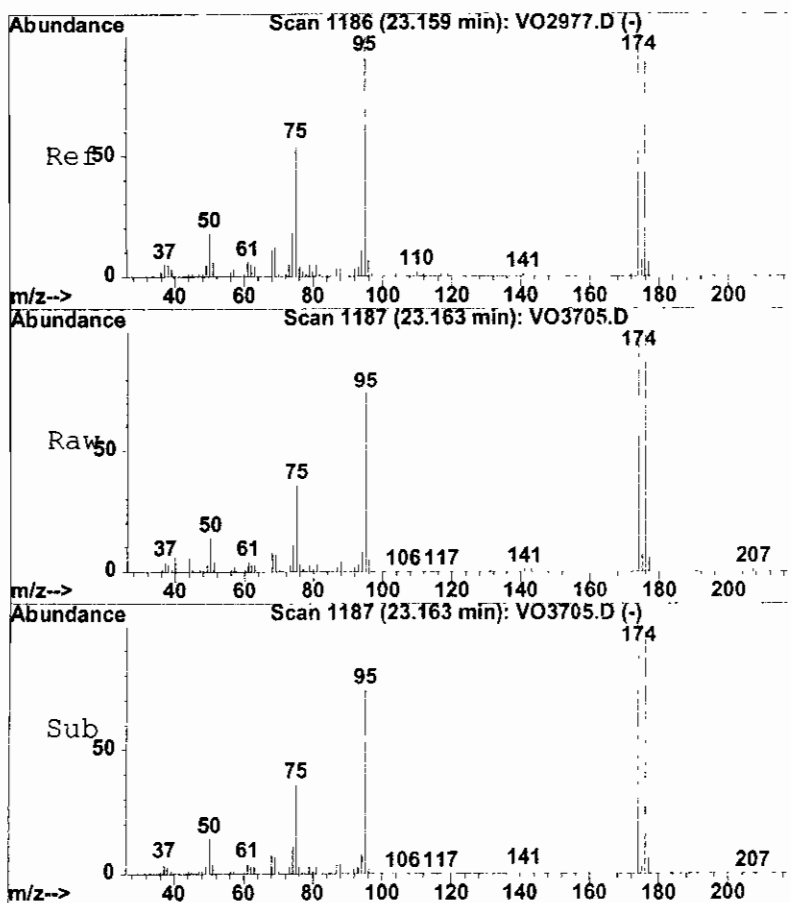
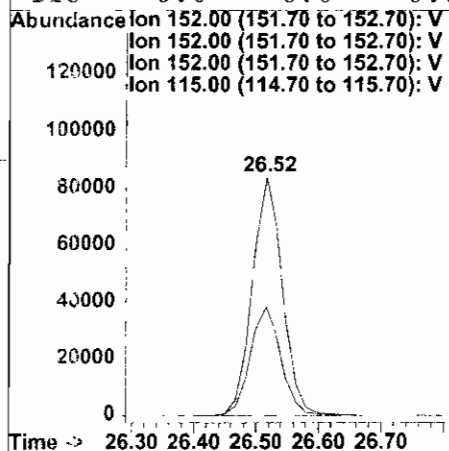
Abundance Ion 91.00 (90.70 to 91.70): VO37
60000 Ion 91.00 (90.70 to 91.70): VO37
Ion 92.05 (91.75 to 92.75): VO37





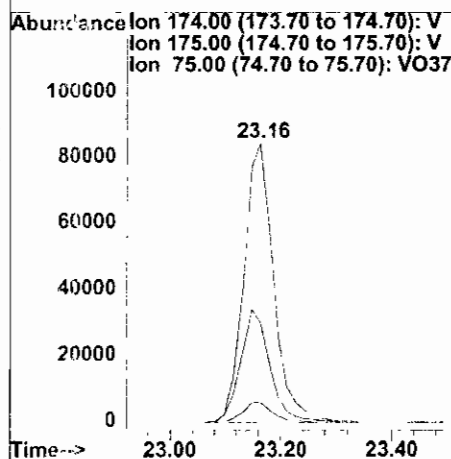
#49
1,2-DICHLOROBENZENE-d4 (ISTD)
Concen: 50.00 ppb
RT: 26.52 min Scan# 1395
Delta R.T. -0.10 min
Lab File: VO3705.D
Acq: 20 Apr 2001 11:45 am

Tgt Ion: 152 Resp: 281630
Ion Ratio Lower Upper
152 100
152 100.0 80.0 120.0
152 100.0 80.0 120.0
115 0.0 0.0 0.0



#51
p-Bromofluorobenzene (SURR)
Concen: 45.24 ppb
RT: 23.16 min Scan# 1187
Delta R.T. -0.10 min
Lab File: VO3705.D
Acq: 20 Apr 2001 11:45 am

Tgt Ion: 174 Resp: 312232
Ion Ratio Lower Upper
174 100
175 7.0 5.6 8.4
75 39.5 0.0 0.0#



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\VO3706.D
 Acq On : 20 Apr 2001 12:27 pm
 Sample : 01040168-16 \$8260S ASPB
 Misc : QBV1041901B
 MS Integration Params: rteint.p
 Quant Time: Apr 20 12:59 19101

Vial: 39
 Operator: SS
 Inst : VOA No.1
 Multiplr: 5.00

Quant Results File: V1C58S.RES

Quant Method : C:\HPCHEM\1\METHODS\V1C58S.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Wed Apr 18 07:10:16 2001
 Response via : Initial Calibration
 DataAcq Meth : V1C58S

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.07	70	216402	50.00	ppb	-0.10
26) CHLOROBENZENE-d5(ISTD)	20.50	117	512273	50.00	ppb	-0.12
49) 1,2-DICHLOROBENZENE-d4(IST	26.51	152	301842	50.00	ppb	-0.10

System Monitoring Compounds

22) d4-1,2-Dichloroethane(SURR	13.33	65	224477	46.25	ppb	-0.12
Spiked Amount	50.000	Range	58 - 124	Recovery	=	92.50%
34) Toluene-d8(SURR)	17.31	98	719751	51.19	ppb	-0.12
Spiked Amount	50.000	Range	70 - 134	Recovery	=	102.38%
51) p-Bromofluorobenzene(SURR)	23.16	174	308776	41.75	ppb	-0.10
Spiked Amount	50.000	Range	59 - 145	Recovery	=	83.50%

Target Compounds

10) Carbon Disulfide	9.09	76	24459	31	30.95	ppb	(N#)	89
11) Methylene Chloride	8.99	49	119895	49	49.21	ppb	(N#)	95
12) tert-Butyl Methyl Ether (M	9.53	73	89930	25	25.37	ppb	(N#)	100
13) Acetone	7.77	43	110200		~~277.84~~	ppb		97
27) Trichloroethylene	14.91	95	62160	4	242.37	ppb		95
33) 2-Hexanone	18.18	43	4821		~~7.61~~	ppb	#	75
35) Toluene	17.47	91	50101	10	9.80	ppb		100
39) Tetrachloroethylene	18.92	166	567827		192.19	ppb	190	98
41) Dibromochloromethane	18.91	129	263476		~~224.00~~	ppb	#	62
46) o-Xylene	21.89	91	53458		13.24	ppb	10	99
61) 1,3,5-trimethylbenzene	23.92	105	124026		33.73	ppb	34	99
67) p-Isopropyltoluene	25.45	119	24046		6.84	ppb	7#	100

B

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

VO3706.D V1C58S.M

Fri Apr 20 12:59:24 2001

000278

Page 1

Quantitati Report

Data File : C:\HPCHEM\1\DATA\VO3706.D
 Acq On : 20 Apr 2001 12:27 pm
 Sample : 01040168-16 \$8260S ASPB
 Misc : QBV1041901B

Vial: 39
 Operator: SS
 Inst : VOA No.1
 Multiplr: 5.00

MS Integration Params: rteint.p

Quant Time: Apr 20 12:59 19101

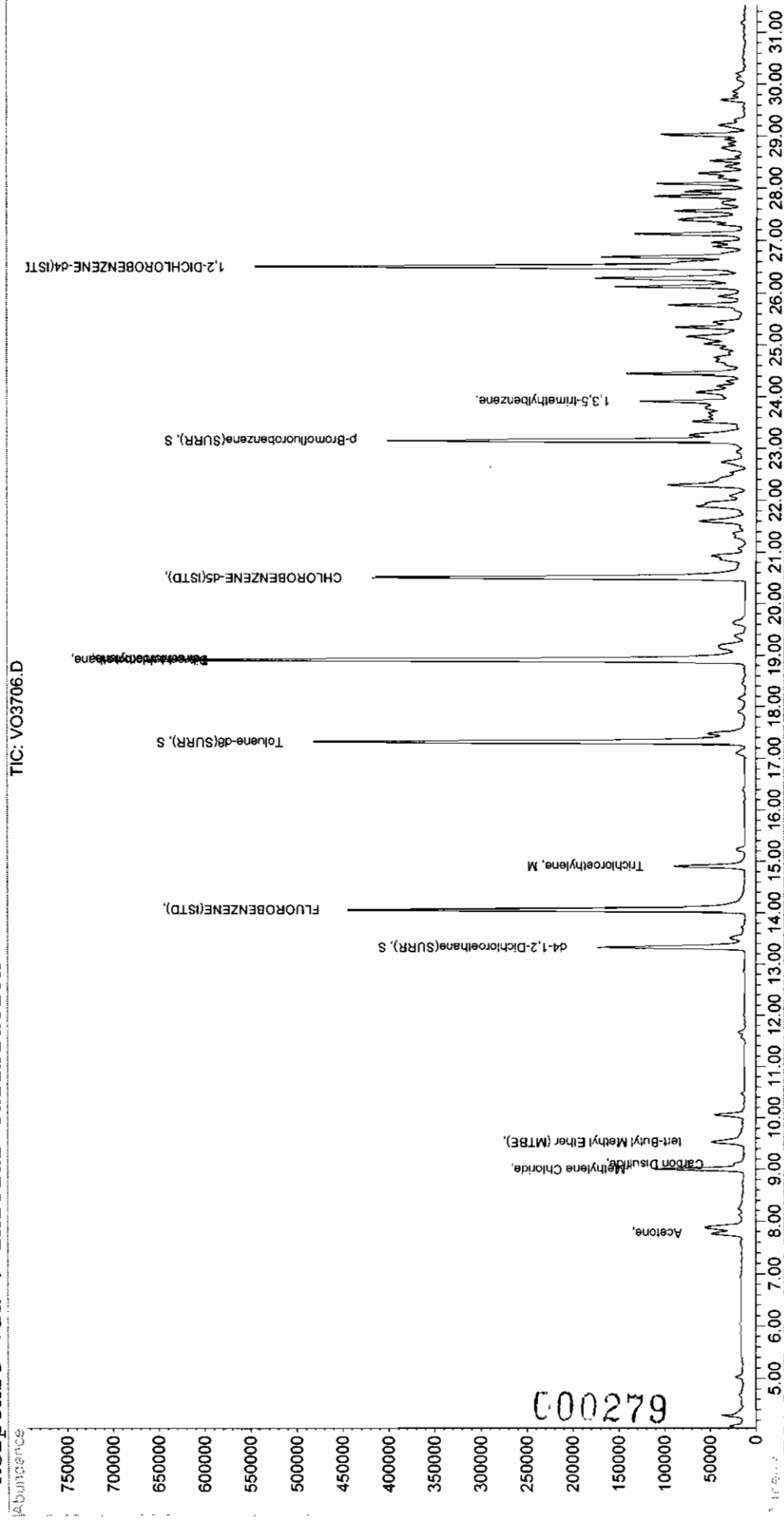
Quant Results File: V1C58S.RES

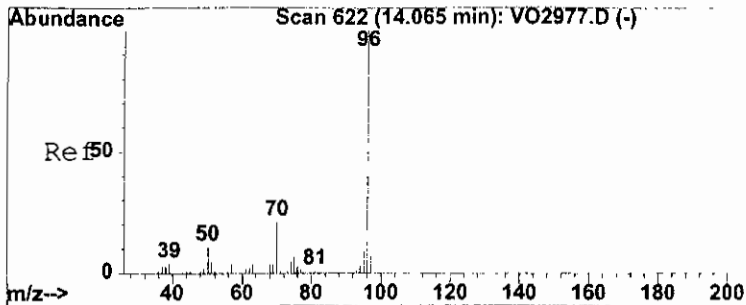
Method : C:\HPCHEM\1\METHODS\V1C58S.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Wed Apr 18 07:10:16 2001

Response via : Initial Calibration

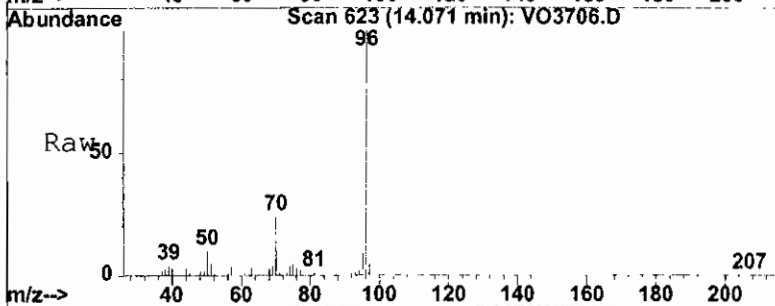




#1
 FLUOROBENZENE (ISTD)
 Concen: 50.00 ppb
 RT: 14.07 min Scan# 623
 Delta R.T. -0.10 min
 Lab File: VO3706.D
 Acq: 20 Apr 2001 12:27 pm

Tgt Ion: 70 Resp: 216402

Ion	Ratio	Lower	Upper
70	100		
96	426.2	354.0	531.0
70	100.0	80.0	120.0
50	0.0	0.0	0.0



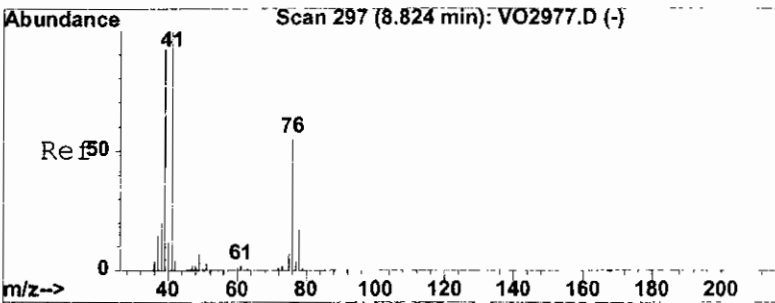
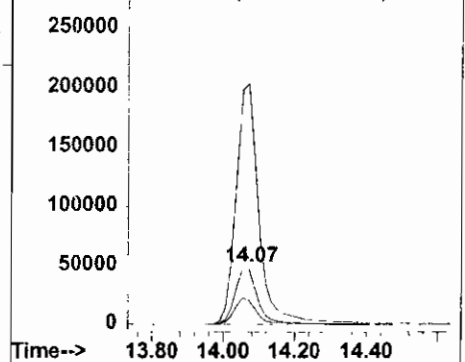
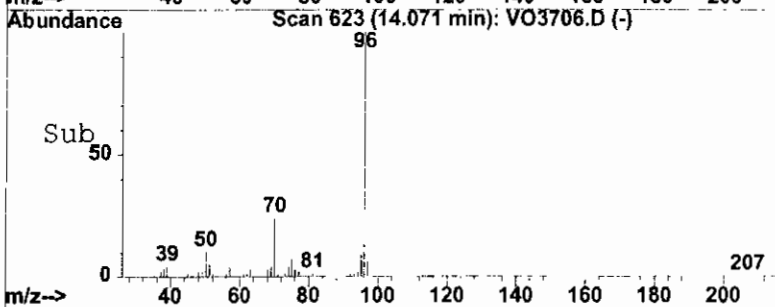
Abundance

Ion 70.00 (69.70 to 70.70): VO37

Ion 96.00 (95.70 to 96.70): VO37

Ion 70.00 (69.70 to 70.70): VO37

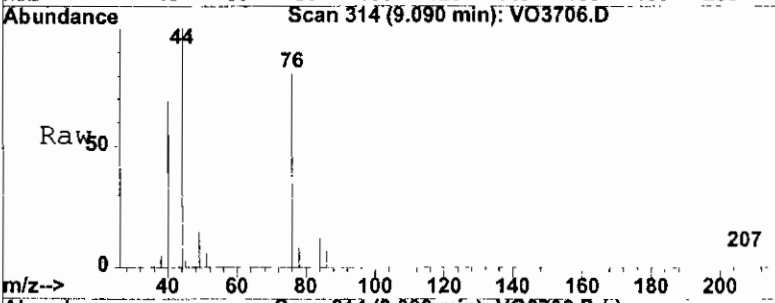
Ion 50.00 (49.70 to 50.70): VO37



#10
 Carbon Disulfide
 Concen: 30.95 ppb
 RT: 9.09 min Scan# 314
 Delta R.T. 0.16 min
 Lab File: VO3706.D
 Acq: 20 Apr 2001 12:27 pm

Tgt Ion: 76 Resp: 24459

Ion	Ratio	Lower	Upper
76	100		
76	100.0	80.0	120.0
78	7.8	26.4	39.6#

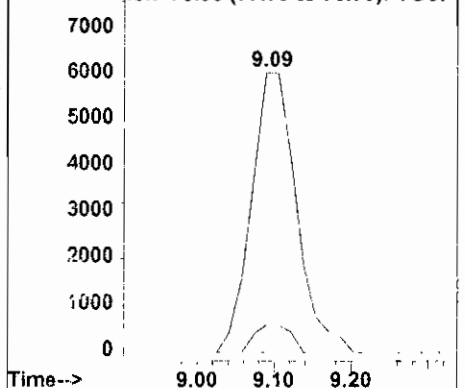
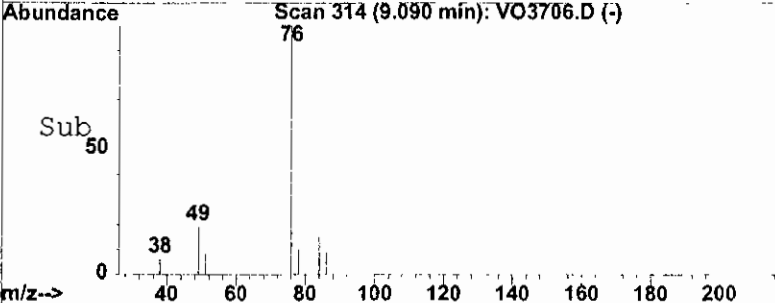


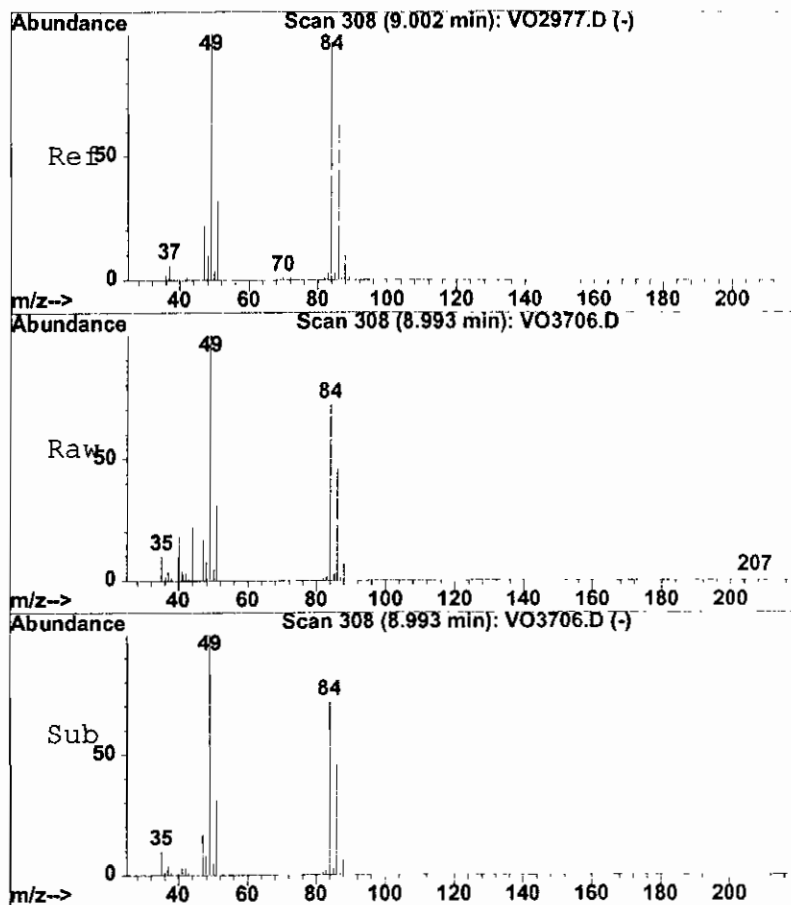
Abundance

Ion 76.00 (75.70 to 76.70): VO37

Ion 76.00 (75.70 to 76.70): VO37

Ion 78.00 (77.70 to 78.70): VO37





#11
Methylene Chloride
Concen: 49.21 ppb
RT: 8.99 min Scan# 308
Delta R.T. -0.11 min
Lab File: VO3706.D
Acq: 20 Apr 2001 12:27 pm

Tgt Ion: 49 Resp: 119895

Ion	Ratio	Lower	Upper
49	100		
49	100.0	80.0	120.0
84	73.8	65.0	97.4
86	46.2	41.6	62.4

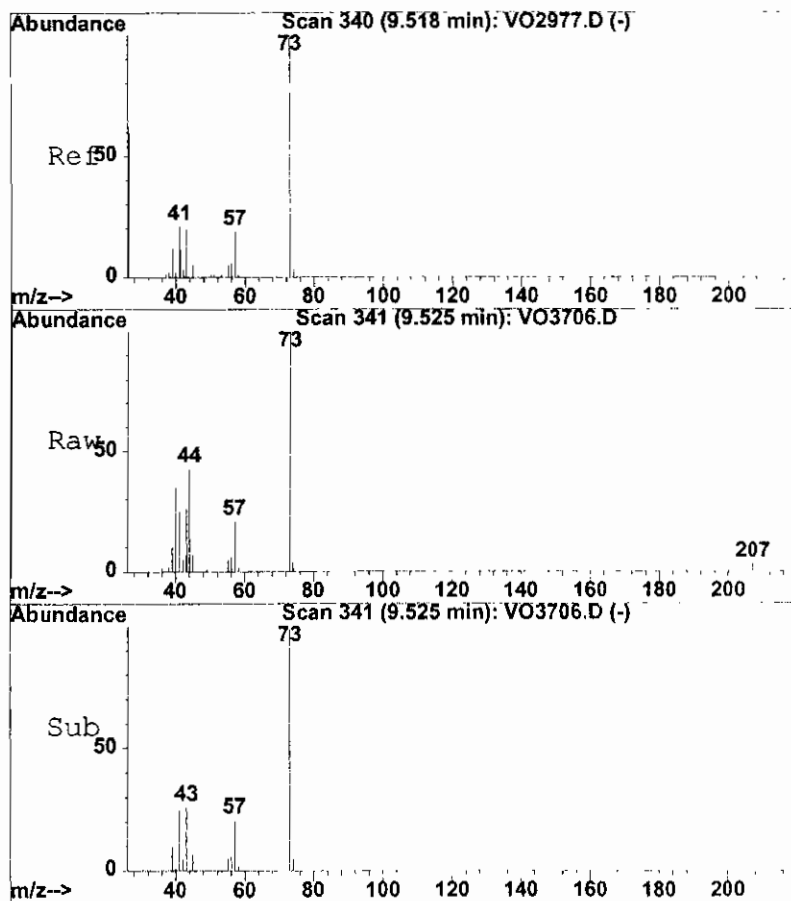
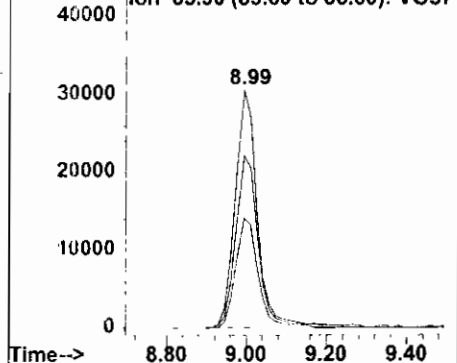
Abundance

Ion 48.95 (48.65 to 49.65): VO37

Ion 48.95 (48.65 to 49.65): VO37

Ion 83.95 (83.65 to 84.65): VO37

Ion 85.90 (85.60 to 86.60): VO37



#12
tert-Butyl Methyl Ether (MTBE)
Concen: 25.37 ppb
RT: 9.53 min Scan# 341
Delta R.T. -0.10 min
Lab File: VO3706.D
Acq: 20 Apr 2001 12:27 pm

Tgt Ion: 73 Resp: 89930

Ion	Ratio	Lower	Upper
73	100		
73	100.0	80.0	120.0
43	0.0	0.0	0.0
57	24.2	0.0	0.0#

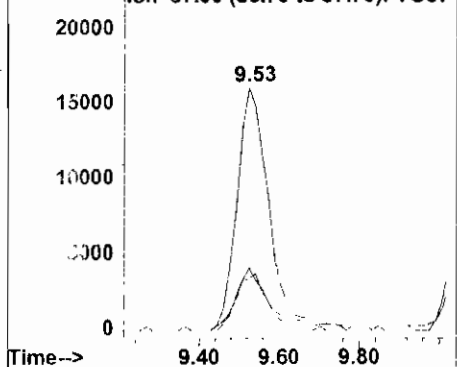
Abundance

Ion 73.00 (72.70 to 73.70): VO37

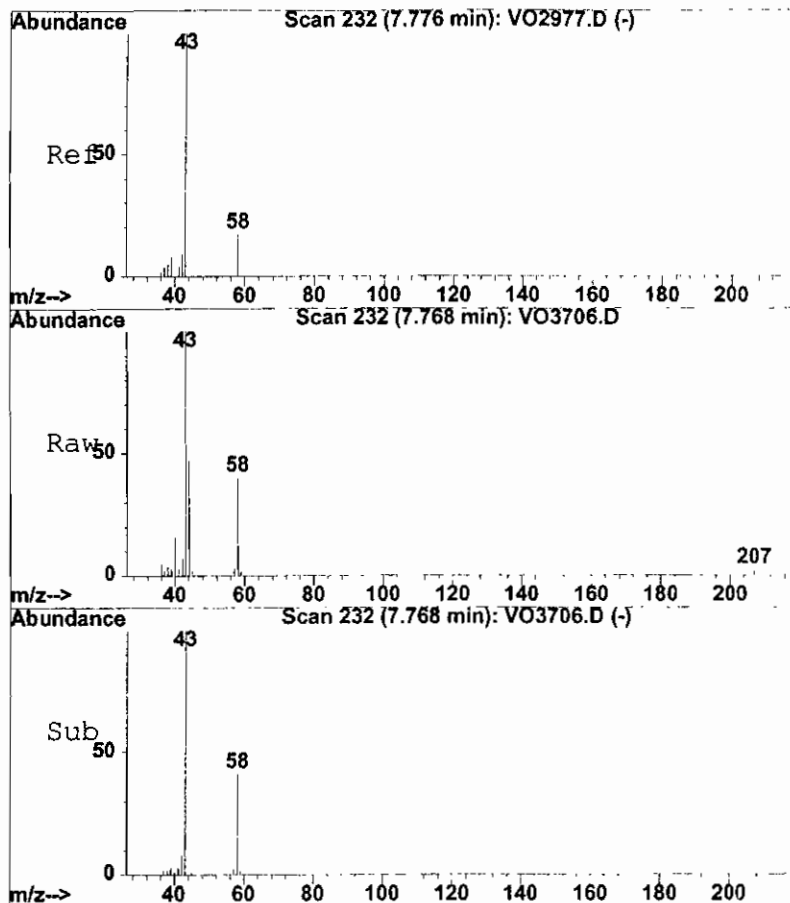
Ion 73.00 (72.70 to 73.70): VO37

Ion 43.00 (42.70 to 43.70): VO37

Ion 57.00 (56.70 to 57.70): VO37



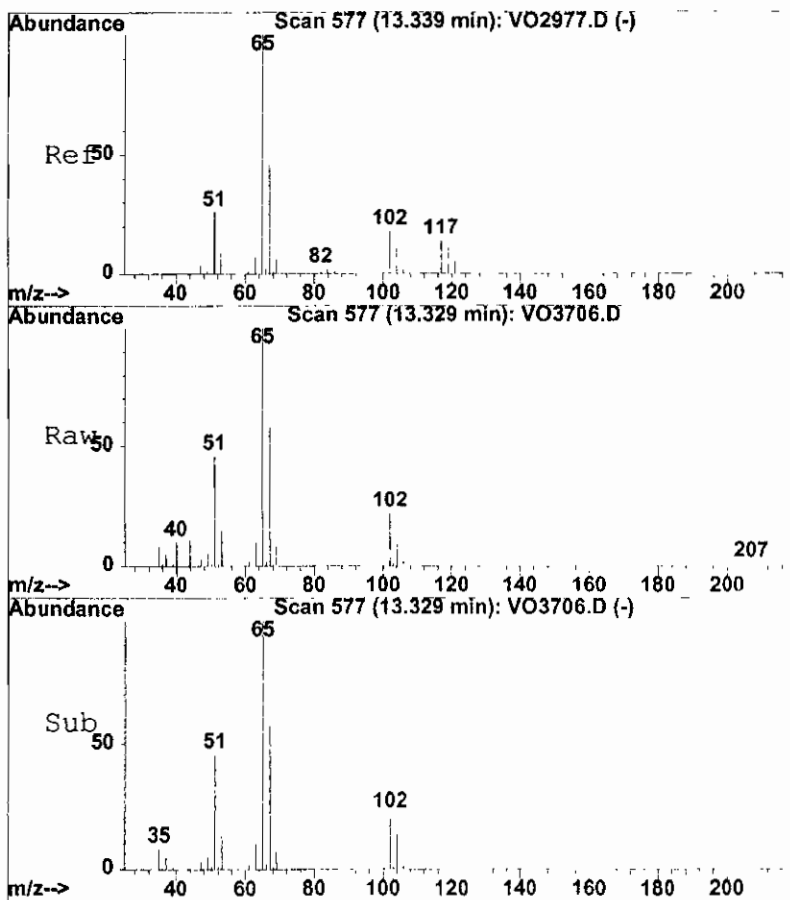
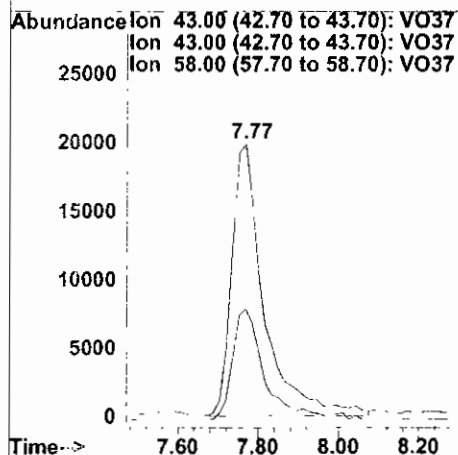
000281



#13
Acetone
Concen: 277.84 ppb
RT: 7.77 min Scan# 232
Delta R.T. -0.10 min
Lab File: VO3706.D
Acq: 20 Apr 2001 12:27 pm

Tgt Ion: 43 Resp: 110200

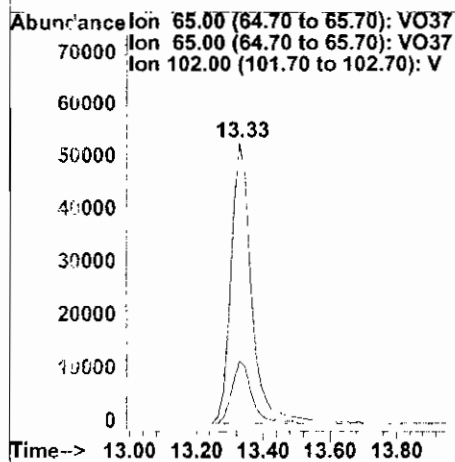
Ion	Ratio	Lower	Upper
43	100		
43	100.0	80.0	120.0
58	39.0	26.6	40.0

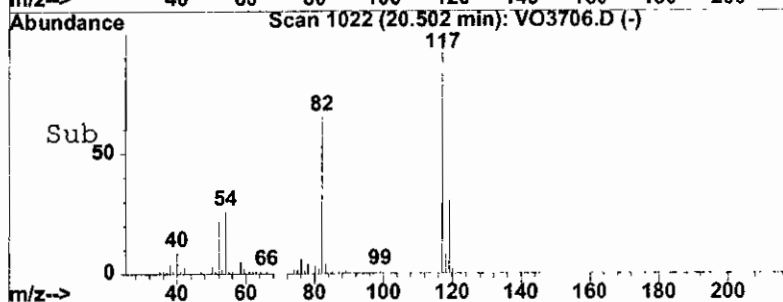
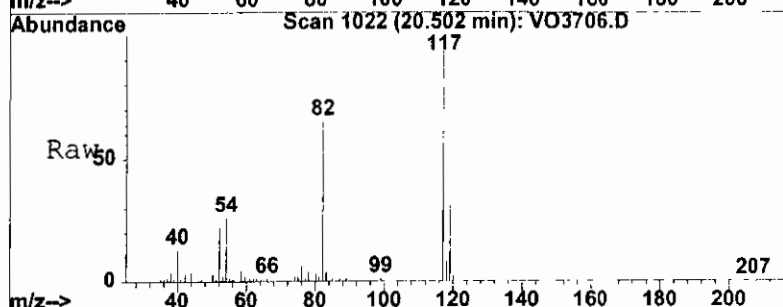
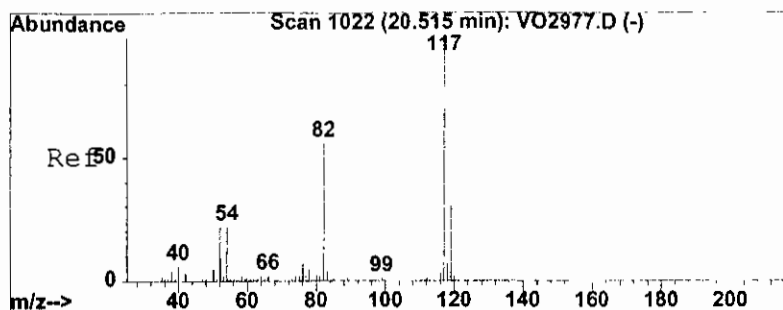


#22
d4-1,2-Dichloroethane(SURR)
Concen: 46.25 ppb
RT: 13.33 min Scan# 577
Delta R.T. -0.12 min
Lab File: VO3706.D
Acq: 20 Apr 2001 12:27 pm

Tgt Ion: 65 Resp: 224477

Ion	Ratio	Lower	Upper
65	100		
65	100.0	80.0	120.0
102	20.9	15.5	23.3





#26
 CHLOROBENZENE-d5 (ISTD)
 Concen: 50.00 ppb
 RT: 20.50 min Scan# 1022
 Delta R.T. -0.12 min
 Lab File: VO3706.D
 Acq: 20 Apr 2001 12:27 pm

Tgt Ion: 117 Resp: 512273

Ion	Ratio	Lower	Upper
117	100		
117	100.0	80.0	120.0
82	0.0	0.0	0.0
119	30.3	25.0	37.4

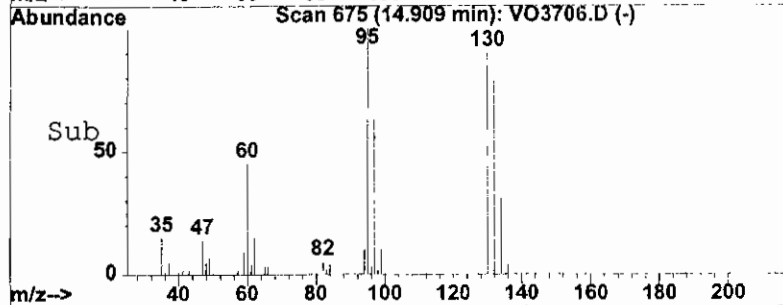
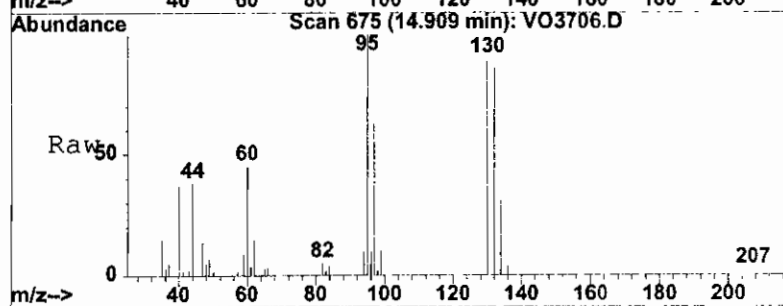
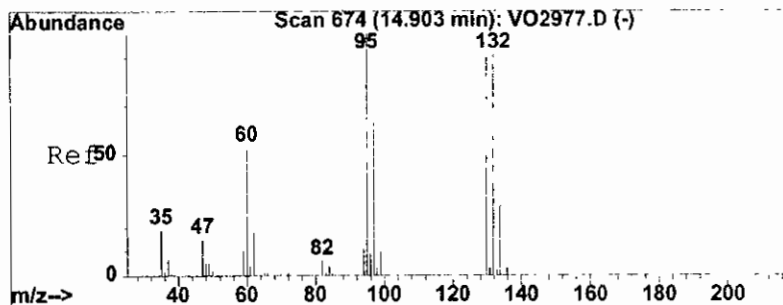
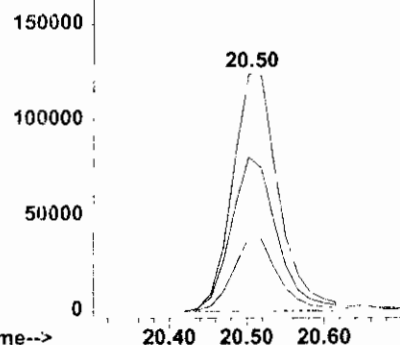
Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VO37

Ion 119.00 (118.70 to 119.70): V



#27
 Trichloroethylene
 Concen: 42.37 ppb
 RT: 14.91 min Scan# 675
 Delta R.T. -0.10 min
 Lab File: VO3706.D
 Acq: 20 Apr 2001 12:27 pm

Tgt Ion: 95 Resp: 62160

Ion	Ratio	Lower	Upper
95	100		
95	100.0	80.0	120.0
97	60.3	51.1	76.7
130	84.8	75.5	113.3

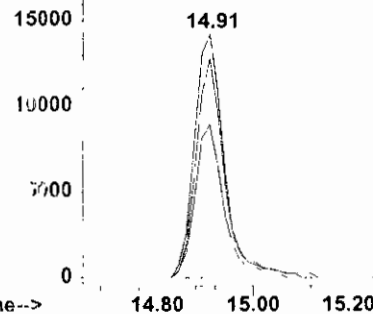
Abundance

Ion 94.85 (94.55 to 95.55): VO37

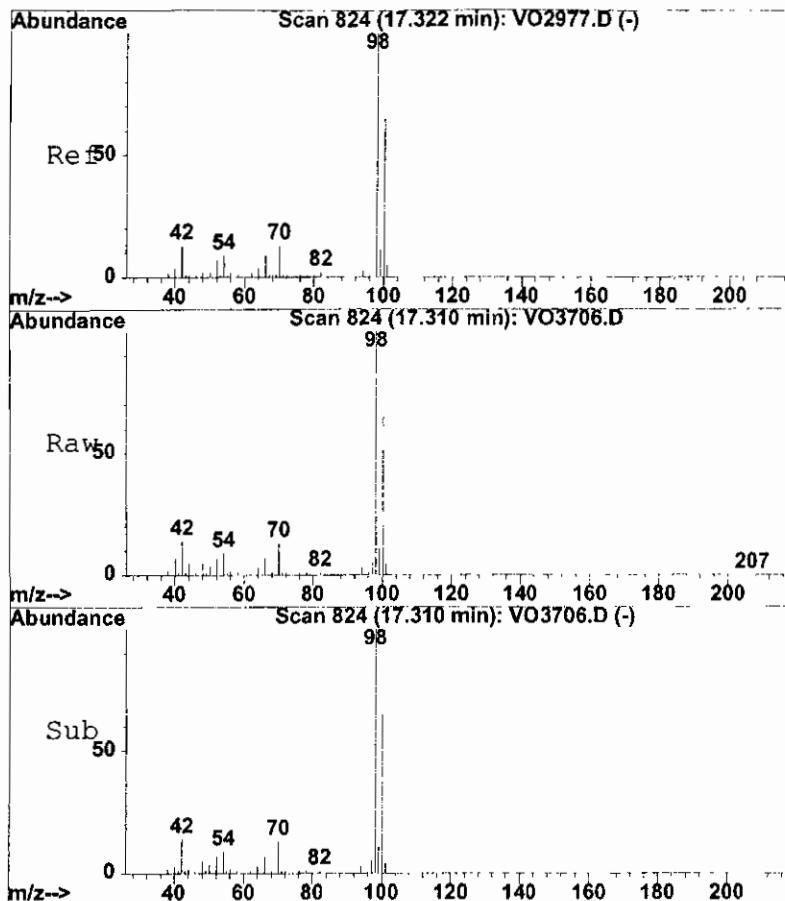
Ion 94.85 (94.55 to 95.55): VO37

Ion 96.95 (96.65 to 97.65): VO37

Ion 129.90 (129.60 to 130.60): V



000283



#34
Toluene-d8 (SURRE)
Concen: 51.19 ppb
RT: 17.31 min Scan# 824
Delta R.T. -0.12 min
Lab File: VO3706.D
Acq: 20 Apr 2001 12:27 pm

Tgt Ion: 98 Resp: 719751

Ion	Ratio	Lower	Upper
98	100		
98	100.0	80.0	120.0
100	63.9	0.0	0.0#
70	0.0	10.2	15.4#

Abundance

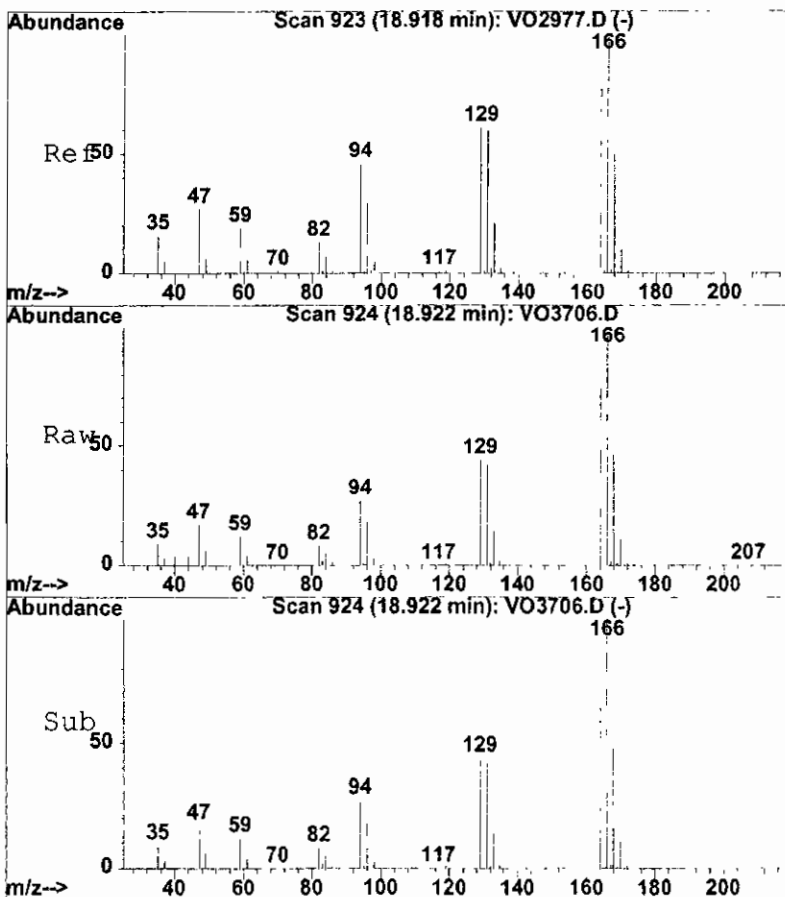
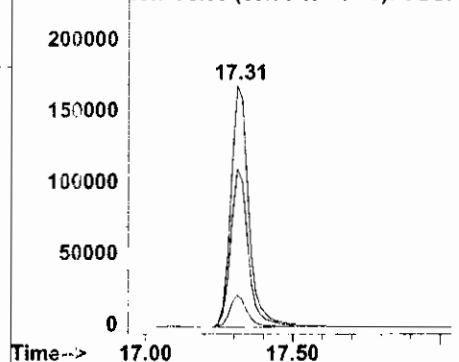
Ion 98.00 (97.70 to 98.70): VO37

250000

Ion 98.00 (97.70 to 98.70): VO37

Ion 100.00 (99.70 to 100.70): VO

Ion 70.00 (69.70 to 70.70): VO37



#39
Tetrachloroethylene
Concen: 192.19 ppb
RT: 18.92 min Scan# 924
Delta R.T. -0.10 min
Lab File: VO3706.D
Acq: 20 Apr 2001 12:27 pm

Tgt Ion: 166 Resp: 567827

Ion	Ratio	Lower	Upper
166	100		
166	100.0	80.0	120.0
164	77.2	61.8	92.6
129	46.4	32.6	49.0

Abundance

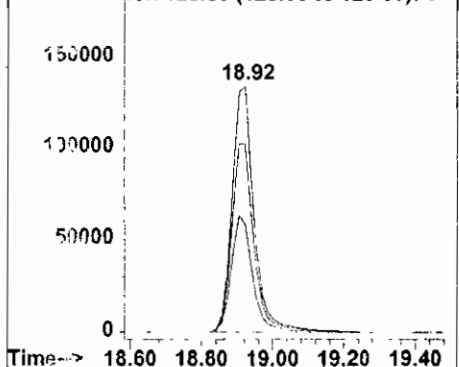
Ion 165.85 (165.55 to 166.55): V

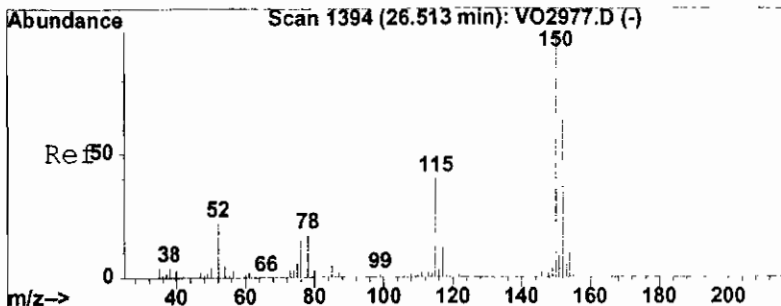
200000

Ion 165.85 (165.55 to 166.55): V

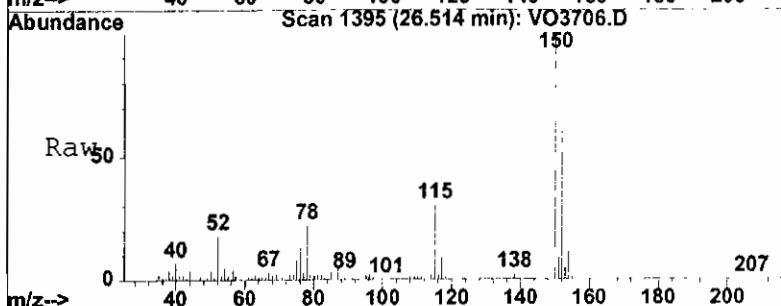
Ion 163.80 (163.50 to 164.50): V

Ion 128.80 (128.50 to 129.50): V

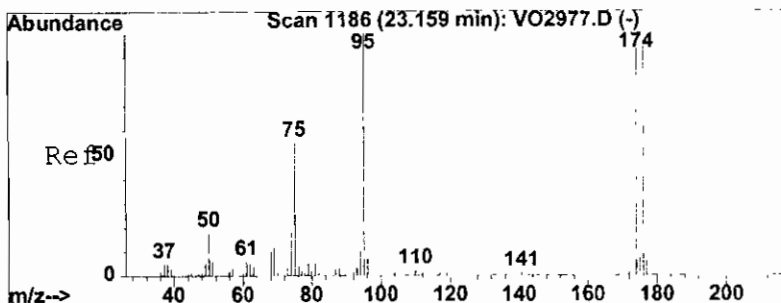
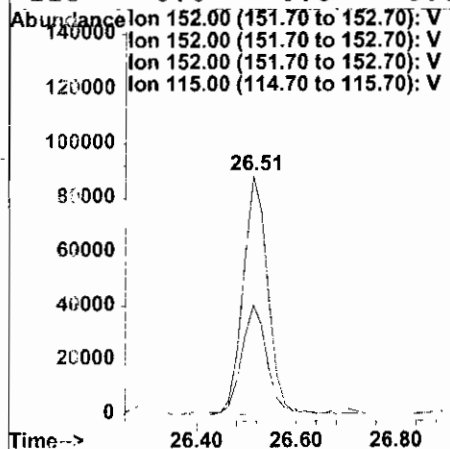
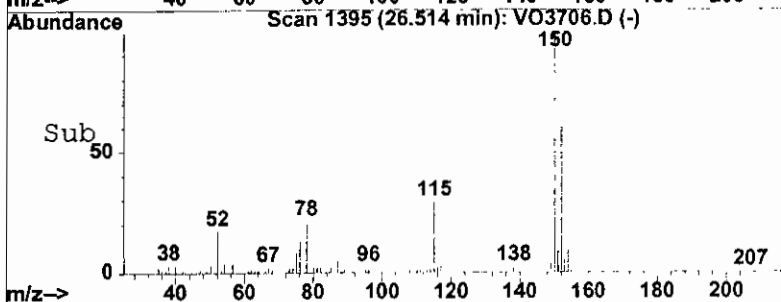




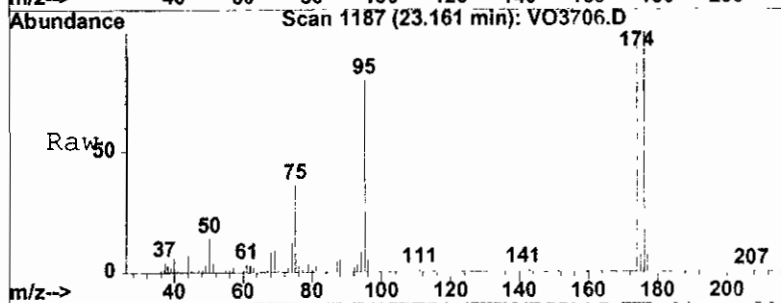
#19
1,2-DICHLOROBENZENE-d4 (ISTD)
Concen: 50.00 ppb
RT: 26.51 min Scan# 1395
Delta R.T. -0.10 min
Lab File: VO3706.D
Acq: 20 Apr 2001 12:27 pm



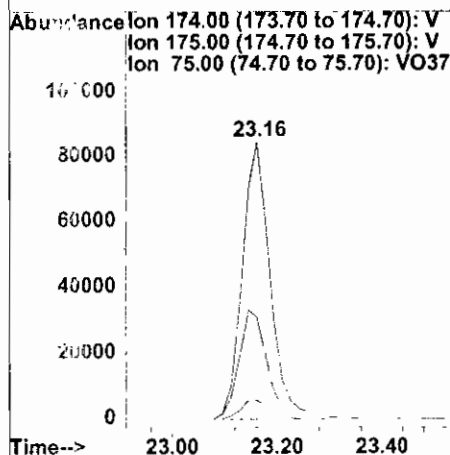
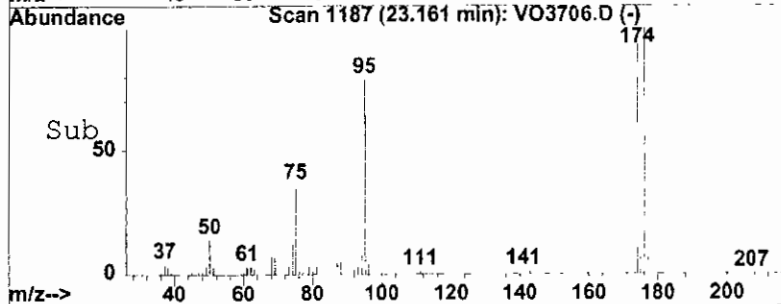
Tgt Ion: 152 Resp: 301842
Ion Ratio Lower Upper
152 100
152 100.0 80.0 120.0
152 100.0 80.0 120.0
115 0.0 0.0 0.0

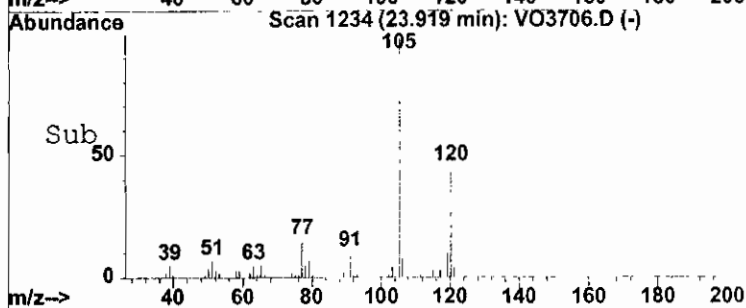
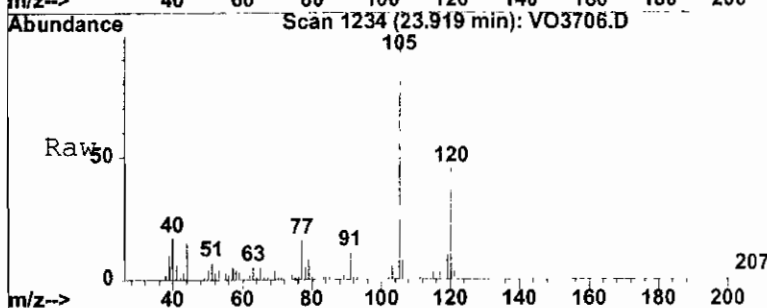
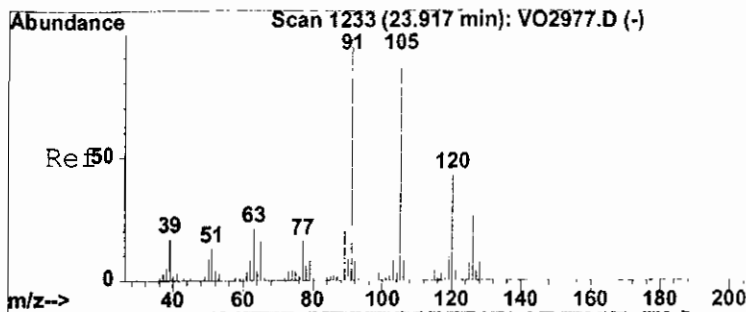


#5
p-Bromofluorobenzene (SURR)
Concen: 41.75 ppb
RT: 23.16 min Scan# 1187
Delta R.T. -0.10 min
Lab File: VO3706.D
Acq: 20 Apr 2001 12:27 pm



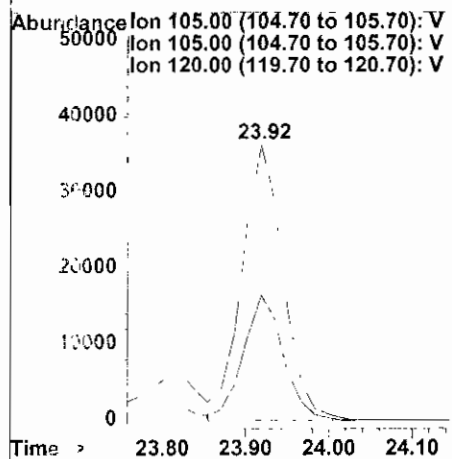
Tgt Ion: 174 Resp: 308776
Ion Ratio Lower Upper
174 100
175 6.9 5.6 8.4
75 39.8 0.0 0.0#





#6
1,3,5-trimethylbenzene
Concen: 33.73 ppb
RT: 23.92 min Scan# 1234
Delta R.T. -0.10 min
Lab File: VO3706.D
Acq: 20 Apr 2001 12:27 pm

Tgt. Ion	Ratio	Lower	Upper
105	100		
105	100.0	80.0	120.0
120	44.2	36.6	54.8



Data File : C:\HPCHEM\1\DATA\V33551.D

Vial: 12

Acq On : 19 Apr 2001 9:31 pm

Operator: BB

Sample : 01040168-01 \$8260W ASPB

Inst : VOA No. 2

Misc : QBV2041901A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Apr 19 22:03 19101

Quant Results File: V2C71W.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C71W.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Mon Apr 16 08:02:01 2001

Response via : Initial Calibration

DataAcq Meth : V2C71W

perum
01-25
del-

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.31	70	166586	50.00	ppb	-0.08
26) CHLOROBENZENE-d5(ISTD)	20.79	117	319258	50.00	ppb	-0.07
48) 1,2-DICHLOROBENZENE-d4(IST	26.80	152	109863	50.00	ppb	-0.06

System Monitoring Compounds

22) d4-1,2-Dichloroethane(SURR	13.57	65	504912	47.75	ppb	-0.10
Spiked Amount	50.000	Range	67 - 128	Recovery	=	95.50%
33) Toluene-d8(SURR)	17.58	98	516448	54.58	ppb	-0.07
Spiked Amount	50.000	Range	87 - 113	Recovery	=	109.16%
50) p-Bromofluorobenzene(SURR)	23.43	174	139034	53.77	ppb	-0.07
Spiked Amount	50.000	Range	63 - 166	Recovery	=	107.54%

Target Compounds

						Qvalue
4) Vinyl Chloride ✓	5.26	62	106186	23	23.21	ppb 99
8) 1,1-Dichloroethylene ✓	8.32	61	37620	6	6.06	ppb # 98
9) trans-1,2-Dichloroethylene ✓	9.92	61	7943	2	1.73	ppb # 100
13) Acetone ✓	7.94	43	2408		~~2.06~~	ppb # 96
14) 1,1-Dichloroethane ✓	10.69	63	10761	2	1.66	ppb 98
15) cis-1,2-Dichloroethylene ✓	11.89	96	196127	75	75.04	ppb # 99
20) 1,1,1-Trichloroethane ✓	13.11	97	341063	29	29.33	ppb # 98
27) Trichloroethylene ✓	15.16	95	1185110		390.18	ppb 390 E 99
30) 1,2-Dichloropropane ✓	15.16	63	2999		~~1.56~~	ppb # 100
38) Tetrachloroethylene ✓	19.19	166	4016704		1963.68	ppb 2000 E 98
40) Dibromochloromethane	19.19	129	3442353		~~912.88~~	ppb # 63
43) Ethyl Benzene ✓	21.03	91	24326	2	2.15	ppb # 100
44) p- & m-Xylenes ✓	21.22	91	13085	1	1.33	ppb # 87
45) o-Xylene ✓	22.17	91	11465	1	1.12	ppb # 96
53) Isopropylbenzene ✓	22.97	105	13208	2	1.71	ppb # 97
54) Bromobenzene	24.08	77	7449		~~1.61~~	ppb # 100
56) 2-Chlorotoluene ✓	24.21	91	11640		~~1.45~~	ppb # 92
58) tert-Butylbenzene ✓	25.05	119	15974	3	2.96	ppb # 100
59) 1,3,5-trimethylbenzene ✓	24.21	105	97089	15	14.58	ppb # 100
60) 1,2,4-trimethylbenzene ✓	25.05	105	291972	45	44.53	ppb 99
61) sec-Butylbenzene ✓	25.45	105	10310	2	1.81	ppb # 98

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

V33551.D V2C71W.M

Thu Apr 19 22:03:37 2001

000287

Page 1

Data File : C:\HPCHEM\1\DATA\V33551.D

Vial: 12

Acq On : 19 Apr 2001 9:31 pm

Operator: BB

Sample : 01040168-01 \$8260W ASPB

Inst : VOA No. 2

Misc : QBV2041901A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Apr 19 22:03 19101

Quant Results File: V2C71W.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C71W.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Mon Apr 16 08:02:01 2001

Response via : Initial Calibration

DataAcq Meth : V2C71W

Compound

R.T. QIon

Response

Conc Unit

Qvalue

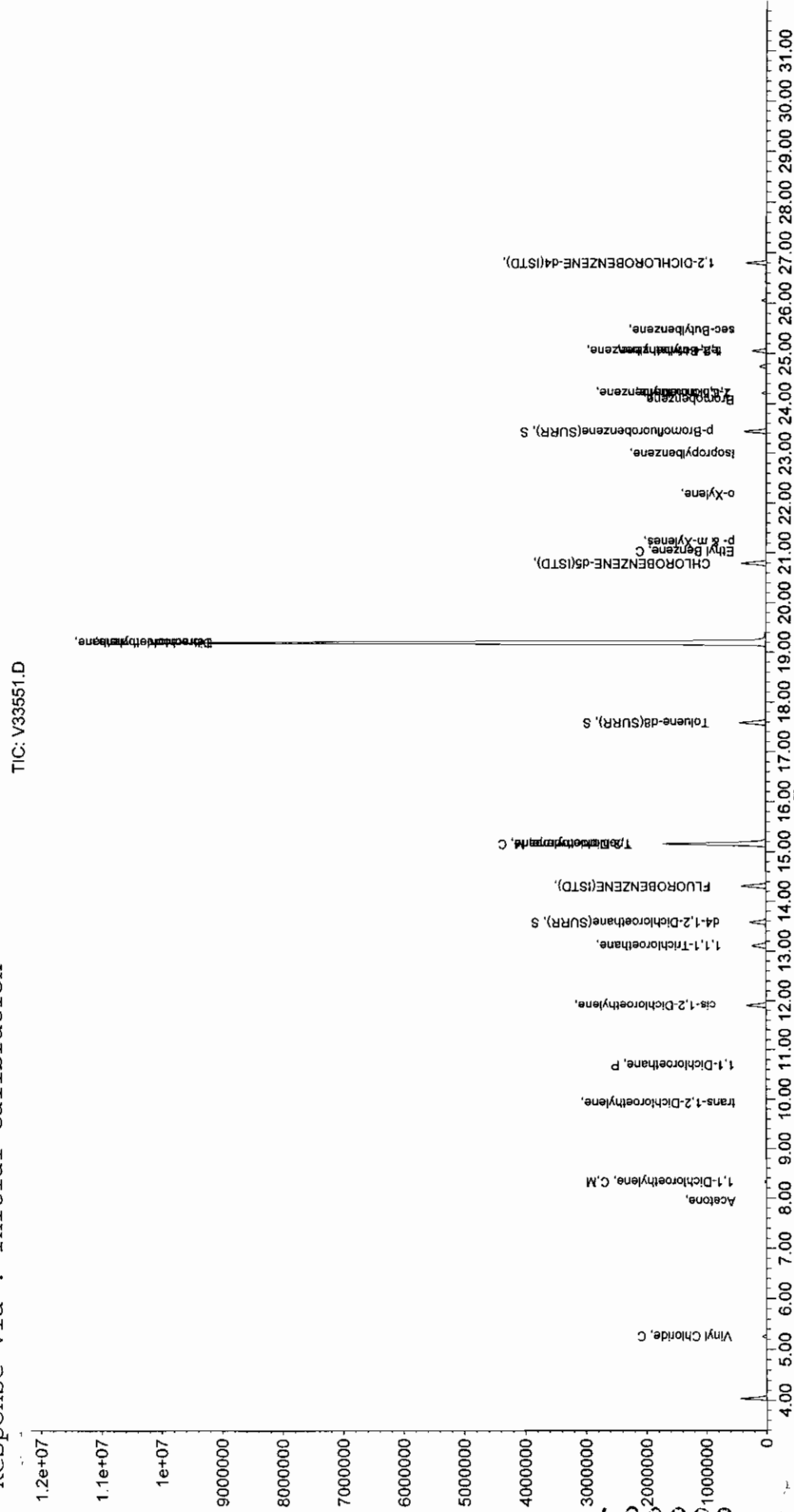
Quantitation Report

Data File : C:\HPCHEM\1\DATA\V33551.D
 Acq On : 19 Apr 2001 9:31 pm
 Sample : 01040168-01 \$8260W ASPB
 Misc : QBV2041901A
 MS Integration Params: rteint.p
 Quant Time: Apr 19 22:03 19101

Vial: 12
 Operator: BB
 Inst : VOA No. 2
 Multiplr: 1.00

Quant Results File: V2C71W.RES

Method : C:\HPCHEM\1\METHODS\V2C71W.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Mon Apr 16 08:02:01 2001
 Response via : Initial Calibration





York Analytical Laboratories, Inc.

Technical Report

prepared for

Leggette Brashears & Graham
Mr. Jorma Weber

Re: Deluxe

York Project No. 01040168

4/20/2001

Volume 2 of 2

Client Sample ID

MW-1A

Sample Amount:	Soil=30 g./Water=1.0 L.	Date Collected:	4/5/01	Sample Type:	WATER
Matrix:	WATER	Date Received:	4/6/01		
	1.00	TCLP extracted		SDG:	01040168-01
Conc. Extract Vol.:	1000 ul	Date Extracted:	4/11/01	Lab ID:	01040168-01
Injection Volume:	1.0 ul	Date Analyzed:	4/13/01	Lab File ID:	
GPC Cleanup:	N	Level	LOW	Dilution factor:	1
				CONCENTRATION	
				UNITS:	ug/L

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
MW-1A	01040168-01	Acenaphthene	10 U
MW-1A	01040168-01	Acenaphthylene	10 U
MW-1A	01040168-01	Anthracene	10 U
MW-1A	01040168-01	Benzo(a)anthracene	10 U
MW-1A	01040168-01	Benzo(b)fluoranthene	10 U
MW-1A	01040168-01	Benzo(k)fluoranthene	10 U
MW-1A	01040168-01	Benzo(g,h,i)perylene	10 U
MW-1A	01040168-01	Benzo(a)pyrene	10 U
MW-1A	01040168-01	Benzyl alcohol	10 U
MW-1A	01040168-01	Bis(2-chloroethoxy)methane	10 U
MW-1A	01040168-01	Bis(2-chloroethyl)ether	10 U
MW-1A	01040168-01	Bis(2-chloroisopropyl)ether	10 U
MW-1A	01040168-01	Bis(2-ethylhexyl)phthalate	10 U
MW-1A	01040168-01	4-Bromophenyl phenyl ether	10 U
MW-1A	01040168-01	Butyl benzyl phthalate	10 U
MW-1A	01040168-01	4-Chloroaniline	10 U
MW-1A	01040168-01	2-Chloronaphthalene	10 U
MW-1A	01040168-01	4-Chloro-3-methyl phenol	10 U
MW-1A	01040168-01	2-Chlorophenol	10 U
MW-1A	01040168-01	4-Chlorophenyl phenyl ether	10 U
MW-1A	01040168-01	Chrysene	10 U
MW-1A	01040168-01	Dibenz(a,h)anthracene	10 U
MW-1A	01040168-01	Dibenzofuran	10 U
MW-1A	01040168-01	Di-n-butylphthalate	10 U
MW-1A	01040168-01	1,3-Dichlorobenzene	10 U
MW-1A	01040168-01	1,4-Dichlorobenzene	10 U
MW-1A	01040168-01	1,2-Dichlorobenzene	10 U
MW-1A	01040168-01	3,3'-Dichlorobenzidine	10 U
MW-1A	01040168-01	2,4-Dichlorophenol	10 U
MW-1A	01040168-01	Diethylphthalate	10 U
MW-1A	01040168-01	2,4-Dimethylphenol	10 U
MW-1A	01040168-01	Dimethylphthalate	10 U
MW-1A	01040168-01	4,6-Dinitro-2-methylphenol	50 U
MW-1A	01040168-01	2,4-Dinitrophenol	50 U
MW-1A	01040168-01	2,4-Dinitrotoluene	10 U
MW-1A	01040168-01	2,6-Dinitrotoluene	10 U
MW-1A	01040168-01	Di-n-octylphthalate	10 U
MW-1A	01040168-01	Fluoranthene	10 U
MW-1A	01040168-01	Fluorene	10 U
MW-1A	01040168-01	Hexachlorobenzene	10 U

Client Sample ID

MW-1A

CONCENTRATION UNITS: **ug/L**

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
MW-1A	01040168-01	Hexachlorobutadiene	10 U
MW-1A	01040168-01	Hexachlorocyclopentadiene	10 U
MW-1A	01040168-01	Hexachloroethane	10 U
MW-1A	01040168-01	Indeno(1,2,3-cd)pyrene	10 U
MW-1A	01040168-01	Isophorone	10 U
MW-1A	01040168-01	2-Methylnaphthalene	10 U
MW-1A	01040168-01	2-Methylphenol	10 U
MW-1A	01040168-01	4-Methylphenol	10 U
MW-1A	01040168-01	Naphthalene	10 U
MW-1A	01040168-01	2-Nitroaniline	50 U
MW-1A	01040168-01	3-Nitroaniline	50 U
MW-1A	01040168-01	4-Nitroaniline	50 U
MW-1A	01040168-01	Nitrobenzene	10 U
MW-1A	01040168-01	2-Nitrophenol	10 U
MW-1A	01040168-01	4-Nitrophenol	50 U
MW-1A	01040168-01	N-Nitrosodiphenylamine	10 U
MW-1A	01040168-01	N-Nitrosodi-n-propylamine	10 U
MW-1A	01040168-01	Pentachlorophenol	50 U
MW-1A	01040168-01	Phenanthrene	10 U
MW-1A	01040168-01	Phenol	10 U
MW-1A	01040168-01	Pyrene	10 U
MW-1A	01040168-01	1,2,4-Trichlorobenzene	10 U
MW-1A	01040168-01	2,4,5-Trichlorophenol	10 U
MW-1A	01040168-01	2,4,6-Trichlorophenol	10 U

Form 1-SVOA-2

600291

Client Sample ID

MW-1B

Sample Amount:	Soil=30 g./Water=1.0 L	Date Collected:	4/5/01	Sample Type:	WATER
Matrix:	WATER	Date Received:	4/6/01		
	1.00	TCLP extracted:		SDG:	01040168-02
Conc. Extract Vol.:	1000 ul	Date Extracted:	4/11/01	Lab ID:	01040168-02
Injection Volume:	1.0 ul	Date Analyzed:	4/13/01	Lab File ID:	
GPC Cleanup:	N	Level:	LOW	Dilution factor:	1
				CONCENTRATION	UNITS: ug/L

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
MW-1B	01040168-02	Acenaphthene	10 U
MW-1B	01040168-02	Acenaphthylene	10 U
MW-1B	01040168-02	Anthracene	10 U
MW-1B	01040168-02	Benzo(a)anthracene	10 U
MW-1B	01040168-02	Benzo(b)fluoranthene	10 U
MW-1B	01040168-02	Benzo(k)fluoranthene	10 U
MW-1B	01040168-02	Benzo(g,h,i)perylene	10 U
MW-1B	01040168-02	Benzo(a)pyrene	10 U
MW-1B	01040168-02	Benzyl alcohol	10 U
MW-1B	01040168-02	Bis(2-chloroethoxy)methane	10 U
MW-1B	01040168-02	Bis(2-chloroethyl)ether	10 U
MW-1B	01040168-02	Bis(2-chloroisopropyl)ether	10 U
MW-1B	01040168-02	Bis(2-ethylhexyl)phthalate	10 U
MW-1B	01040168-02	4-Bromophenyl phenyl ether	10 U
MW-1B	01040168-02	Butyl benzyl phthalate	10 U
MW-1B	01040168-02	4-Chloroaniline	10 U
MW-1B	01040168-02	2-Chloronaphthalene	10 U
MW-1B	01040168-02	4-Chloro-3-methyl phenol	10 U
MW-1B	01040168-02	2-Chlorophenol	10 U
MW-1B	01040168-02	4-Chlorophenyl phenyl ether	10 U
MW-1B	01040168-02	Chrysene	10 U
MW-1B	01040168-02	Dibenz(a,h)anthracene	10 U
MW-1B	01040168-02	Dibenzofuran	10 U
MW-1B	01040168-02	Di-n-butylphthalate	10 U
MW-1B	01040168-02	1,3-Dichlorobenzene	10 U
MW-1B	01040168-02	1,4-Dichlorobenzene	10 U
MW-1B	01040168-02	1,2-Dichlorobenzene	10 U
MW-1B	01040168-02	3,3'-Dichlorobenzidine	10 U
MW-1B	01040168-02	2,4-Dichlorophenol	10 U
MW-1B	01040168-02	Diethylphthalate	10 U
MW-1B	01040168-02	2,4-Dimethylphenol	10 U
MW-1B	01040168-02	Dimethylphthalate	10 U
MW-1B	01040168-02	4,6-Dinitro-2-methylphenol	50 U
MW-1B	01040168-02	2,4-Dinitrophenol	50 U
MW-1B	01040168-02	2,4-Dinitrotoluene	10 U
MW-1B	01040168-02	2,6-Dinitrotoluene	10 U
MW-1B	01040168-02	Di-n-octylphthalate	10 U
MW-1B	01040168-02	Fluoranthene	10 U
MW-1B	01040168-02	Fluorene	10 U
MW-1B	01040168-02	Hexachlorobenzene	10 U

Client Sample ID

MW-1B

CONCENTRATION UNITS

ug/L

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
MW-1B	01040168-02	Hexachlorobutadiene	10 U
MW-1B	01040168-02	Hexachlorocyclopentadiene	10 U
MW-1B	01040168-02	Hexachloroethane	10 U
MW-1B	01040168-02	Indeno(1,2,3-cd)pyrene	10 U
MW-1B	01040168-02	Isophorone	10 U
MW-1B	01040168-02	2-Methylnaphthalene	10 U
MW-1B	01040168-02	2-Methylphenol	10 U
MW-1B	01040168-02	4-Methylphenol	10 U
MW-1B	01040168-02	Naphthalene	10 U
MW-1B	01040168-02	2-Nitroaniline	50 U
MW-1B	01040168-02	3-Nitroaniline	50 U
MW-1B	01040168-02	4-Nitroaniline	50 U
MW-1B	01040168-02	Nitrobenzene	10 U
MW-1B	01040168-02	2-Nitrophenol	10 U
MW-1B	01040168-02	4-Nitrophenol	50 U
MW-1B	01040168-02	N-Nitrosodiphenylamine	10 U
MW-1B	01040168-02	N-Nitrosodi-n-propylamine	10 U
MW-1B	01040168-02	Pentachlorophenol	50 U
MW-1B	01040168-02	Phenanthrene	10 U
MW-1B	01040168-02	Phenol	10 U
MW-1B	01040168-02	Pyrene	10 U
MW-1B	01040168-02	1,2,4-Trichlorobenzene	10 U
MW-1B	01040168-02	2,4,5-Trichlorophenol	10 U
MW-1B	01040168-02	2,4,6-Trichlorophenol	10 U

Client Sample ID

MW-1C

Sample Amount: Soil=30 g./Water=1.0 L Date Collected: 4/5/01 Sample Type: **WATER**
Matrix: WATER Date Received: 4/6/01
1.00 TCLP extracted: SDG: 01040168-03
Conc. Extract Vol.: 1000 ul Date Extracted: 4/11/01 Lab ID: 01040168-03
Injection Volume: 1.0 ul Date Analyzed: 4/13/01 Lab File ID:
GPC Cleanup: N Level: LOW Dilution factor: 1
CONCENTRATION
UNITS: ug/L

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
MW-1C	01040168-03	Acenaphthene	10 U
MW-1C	01040168-03	Acenaphthylene	10 U
MW-1C	01040168-03	Anthracene	10 U
MW-1C	01040168-03	Benzo(a)anthracene	10 U
MW-1C	01040168-03	Benzo(b)fluoranthene	10 U
MW-1C	01040168-03	Benzo(k)fluoranthene	10 U
MW-1C	01040168-03	Benzo(g,h,i)perylene	10 U
MW-1C	01040168-03	Benzo(a)pyrene	10 U
MW-1C	01040168-03	Benzyl alcohol	10 U
MW-1C	01040168-03	Bis(2-chloroethoxy)methane	10 U
MW-1C	01040168-03	Bis(2-chloroethyl)ether	10 U
MW-1C	01040168-03	Bis(2-chloroisopropyl)ether	10 U
MW-1C	01040168-03	Bis(2-ethylhexyl)phthalate	10 U
MW-1C	01040168-03	4-Bromophenyl phenyl ether	10 U
MW-1C	01040168-03	Butyl benzyl phthalate	10 U
MW-1C	01040168-03	4-Chloroaniline	10 U
MW-1C	01040168-03	2-Chloronaphthalene	10 U
MW-1C	01040168-03	4-Chloro-3-methyl phenol	10 U
MW-1C	01040168-03	2-Chlorophenol	10 U
MW-1C	01040168-03	4-Chlorophenyl phenyl ether	10 U
MW-1C	01040168-03	Chrysene	10 U
MW-1C	01040168-03	Dibenz(a,h)anthracene	10 U
MW-1C	01040168-03	Dibenzofuran	10 U
MW-1C	01040168-03	Di-n-butylphthalate	10 U
MW-1C	01040168-03	1,3-Dichlorobenzene	10 U
MW-1C	01040168-03	1,4-Dichlorobenzene	10 U
MW-1C	01040168-03	1,2-Dichlorobenzene	10 U
MW-1C	01040168-03	3,3'-Dichlorobenzidine	10 U
MW-1C	01040168-03	2,4-Dichlorophenol	10 U
MW-1C	01040168-03	Diethylphthalate	10 U
MW-1C	01040168-03	2,4-Dimethylphenol	10 U
MW-1C	01040168-03	Dimethylphthalate	10 U
MW-1C	01040168-03	4,6-Dinitro-2-methylphenol	50 U
MW-1C	01040168-03	2,4-Dinitrophenol	50 U
MW-1C	01040168-03	2,4-Dinitrotoluene	10 U
MW-1C	01040168-03	2,6-Dinitrotoluene	10 U
MW-1C	01040168-03	Di-n-octylphthalate	10 U
MW-1C	01040168-03	Fluoranthene	10 U
MW-1C	01040168-03	Fluorene	10 U
MW-1C	01040168-03	Hexachlorobenzene	10 U

Client Sample ID

MW-1C

CONCENTRATION UNITS: **ug/L**

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
MW-1C	01040168-03	Hexachlorobutadiene	10 U
MW-1C	01040168-03	Hexachlorocyclopentadiene	10 U
MW-1C	01040168-03	Hexachloroethane	10 U
MW-1C	01040168-03	Indeno(1,2,3-cd)pyrene	10 U
MW-1C	01040168-03	Isophorone	10 U
MW-1C	01040168-03	2-Methylnaphthalene	10 U
MW-1C	01040168-03	2-Methylphenol	10 U
MW-1C	01040168-03	4-Methylphenol	10 U
MW-1C	01040168-03	Naphthalene	10 U
MW-1C	01040168-03	2-Nitroaniline	50 U
MW-1C	01040168-03	3-Nitroaniline	50 U
MW-1C	01040168-03	4-Nitroaniline	50 U
MW-1C	01040168-03	Nitrobenzene	10 U
MW-1C	01040168-03	2-Nitrophenol	10 U
MW-1C	01040168-03	4-Nitrophenol	50 U
MW-1C	01040168-03	N-Nitrosodiphenylamine	10 U
MW-1C	01040168-03	N-Nitrosodi-n-propylamine	10 U
MW-1C	01040168-03	Pentachlorophenol	50 U
MW-1C	01040168-03	Phenanthrene	10 U
MW-1C	01040168-03	Phenol	10 U
MW-1C	01040168-03	Pyrene	10 U
MW-1C	01040168-03	1,2,4-Trichlorobenzene	10 U
MW-1C	01040168-03	2,4,5-Trichlorophenol	10 U
MW-1C	01040168-03	2,4,6-Trichlorophenol	10 U

Client Sample ID

MW-2A

Sample Amount:	Soil=30 g./Water=1.0 L	Date Collected:	4/4/01	Sample Type:	WATER
Matrix:	WATER	Date Received:	4/6/01		
	1.00	TCLP extracted:		SDG:	01040168-04
Conc. Extract Vol.:	1000 ul	Date Extracted:	4/11/01	Lab ID:	01040168-04
Injection Volume:	1.0 ul	Date Analyzed:	4/13/01	Lab File ID:	
GPC Cleanup:	N	Level:	LOW	Dilution factor:	1
				CONCENTRATION	UNITS: ug/L

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
MW-2A	01040168-04	Acenaphthene	10 U
MW-2A	01040168-04	Acenaphthylene	10 U
MW-2A	01040168-04	Anthracene	10 U
MW-2A	01040168-04	Benzo(a)anthracene	10 U
MW-2A	01040168-04	Benzo(b)fluoranthene	10 U
MW-2A	01040168-04	Benzo(k)fluoranthene	10 U
MW-2A	01040168-04	Benzo(g,h,i)perylene	10 U
MW-2A	01040168-04	Benzo(a)pyrene	10 U
MW-2A	01040168-04	Benzyl alcohol	10 U
MW-2A	01040168-04	Bis(2-chloroethoxy)methane	10 U
MW-2A	01040168-04	Bis(2-chloroethyl)ether	10 U
MW-2A	01040168-04	Bis(2-chloroisopropyl)ether	10 U
MW-2A	01040168-04	Bis(2-ethylhexyl)phthalate	10 U
MW-2A	01040168-04	4-Bromophenyl phenyl ether	10 U
MW-2A	01040168-04	Butyl benzyl phthalate	10 U
MW-2A	01040168-04	4-Chloroaniline	10 U
MW-2A	01040168-04	2-Chloronaphthalene	10 U
MW-2A	01040168-04	4-Chloro-3-methyl phenol	10 U
MW-2A	01040168-04	2-Chlorophenol	10 U
MW-2A	01040168-04	4-Chlorophenyl phenyl ether	10 U
MW-2A	01040168-04	Chrysene	10 U
MW-2A	01040168-04	Dibenz(a,h)anthracene	10 U
MW-2A	01040168-04	Dibenzofuran	10 U
MW-2A	01040168-04	Di-n-butylphthalate	10 U
MW-2A	01040168-04	1,3-Dichlorobenzene	10 U
MW-2A	01040168-04	1,4-Dichlorobenzene	10 U
MW-2A	01040168-04	1,2-Dichlorobenzene	10 U
MW-2A	01040168-04	3,3'-Dichlorobenzidine	10 U
MW-2A	01040168-04	2,4-Dichlorophenol	10 U
MW-2A	01040168-04	Diethylphthalate	10 U
MW-2A	01040168-04	2,4-Dimethylphenol	10 U
MW-2A	01040168-04	Dimethylphthalate	10 U
MW-2A	01040168-04	4,6-Dinitro-2-methylphenol	50 U
MW-2A	01040168-04	2,4-Dinitrophenol	50 U
MW-2A	01040168-04	2,4-Dinitrotoluene	10 U
MW-2A	01040168-04	2,6-Dinitrotoluene	10 U
MW-2A	01040168-04	Di-n-octylphthalate	10 U
MW-2A	01040168-04	Fluoranthene	10 U
MW-2A	01040168-04	Fluorene	10 U
MW-2A	01040168-04	Hexachlorobenzene	10 U

Client Sample ID

MW-2A

CONCENTRATION UNITS: ug/L

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
MW-2A	01040168-04	Hexachlorobutadiene	10 U
MW-2A	01040168-04	Hexachlorocyclopentadiene	10 U
MW-2A	01040168-04	Hexachloroethane	10 U
MW-2A	01040168-04	Indeno(1,2,3-cd)pyrene	10 U
MW-2A	01040168-04	Isophorone	10 U
MW-2A	01040168-04	2-Methylnaphthalene	10 U
MW-2A	01040168-04	2-Methylphenol	10 U
MW-2A	01040168-04	4-Methylphenol	10 U
MW-2A	01040168-04	Naphthalene	10 U
MW-2A	01040168-04	2-Nitroaniline	50 U
MW-2A	01040168-04	3-Nitroaniline	50 U
MW-2A	01040168-04	4-Nitroaniline	50 U
MW-2A	01040168-04	Nitrobenzene	10 U
MW-2A	01040168-04	2-Nitrophenol	10 U
MW-2A	01040168-04	4-Nitrophenol	50 U
MW-2A	01040168-04	N-Nitrosodiphenylamine	10 U
MW-2A	01040168-04	N-Nitrosodi-n-propylamine	10 U
MW-2A	01040168-04	Pentachlorophenol	50 U
MW-2A	01040168-04	Phenanthrene	10 U
MW-2A	01040168-04	Phenol	10 U
MW-2A	01040168-04	Pyrene	10 U
MW-2A	01040168-04	1,2,4-Trichlorobenzene	10 U
MW-2A	01040168-04	2,4,5-Trichlorophenol	10 U
MW-2A	01040168-04	2,4,6-Trichlorophenol	10 U

Form 1-SVOA-2

600297

Client Sample ID

MW-2B

Sample Amount:	Soil=30 g./Water=1.0 L	Date Collected:	4/4/01	Sample Type:	WATER
Matrix:	WATER	Date Received:	4/6/01		
	1.00	TCLP extracted:		SDG:	01040168-05
Conc. Extract Vol.:	1000 ul	Date Extracted:	4/11/01	Lab ID:	01040168-05
Injection Volume:	1.0 ul	Date Analyzed:	4/13/01	Lab File ID:	
GPC Cleanup:	N	Level:	LOW	Dilution factor:	1
				CONCENTRATION	UNITS: ug/L

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
MW-2B	01040168-05	Acenaphthene	10 U
MW-2B	01040168-05	Acenaphthylene	10 U
MW-2B	01040168-05	Anthracene	10 U
MW-2B	01040168-05	Benzo(a)anthracene	10 U
MW-2B	01040168-05	Benzo(b)fluoranthene	10 U
MW-2B	01040168-05	Benzo(k)fluoranthene	10 U
MW-2B	01040168-05	Benzo(g,h,i)perylene	10 U
MW-2B	01040168-05	Benzo(a)pyrene	10 U
MW-2B	01040168-05	Benzyl alcohol	10 U
MW-2B	01040168-05	Bis(2-chloroethoxy)methane	10 U
MW-2B	01040168-05	Bis(2-chloroethyl)ether	10 U
MW-2B	01040168-05	Bis(2-chloroisopropyl)ether	10 U
MW-2B	01040168-05	Bis(2-ethylhexyl)phthalate	10 U
MW-2B	01040168-05	4-Bromophenyl phenyl ether	10 U
MW-2B	01040168-05	Butyl benzyl phthalate	10 U
MW-2B	01040168-05	4-Chloroaniline	10 U
MW-2B	01040168-05	2-Chloronaphthalene	10 U
MW-2B	01040168-05	4-Chloro-3-methyl phenol	10 U
MW-2B	01040168-05	2-Chlorophenol	10 U
MW-2B	01040168-05	4-Chlorophenyl phenyl ether	10 U
MW-2B	01040168-05	Chrysene	10 U
MW-2B	01040168-05	Dibenz(a,h)anthracene	10 U
MW-2B	01040168-05	Dibenzofuran	10 U
MW-2B	01040168-05	Di-n-butylphthalate	10 U
MW-2B	01040168-05	1,3-Dichlorobenzene	10 U
MW-2B	01040168-05	1,4-Dichlorobenzene	10 U
MW-2B	01040168-05	1,2-Dichlorobenzene	10 U
MW-2B	01040168-05	3,3'-Dichlorobenzidine	10 U
MW-2B	01040168-05	2,4-Dichlorophenol	10 U
MW-2B	01040168-05	Diethylphthalate	10 U
MW-2B	01040168-05	2,4-Dimethylphenol	10 U
MW-2B	01040168-05	Dimethylphthalate	10 U
MW-2B	01040168-05	4,6-Dinitro-2-methylphenol	50 U
MW-2B	01040168-05	2,4-Dinitrophenol	50 U
MW-2B	01040168-05	2,4-Dinitrotoluene	10 U
MW-2B	01040168-05	2,6-Dinitrotoluene	10 U
MW-2B	01040168-05	Di-n-octylphthalate	10 U
MW-2B	01040168-05	Fluoranthene	10 U
MW-2B	01040168-05	Fluorene	10 U
MW-2B	01040168-05	Hexachlorobenzene	10 U

Client Sample ID

MW-2B

CONCENTRATION UNITS: **ug/L**

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
MW-2B	01040168-05	Hexachlorobutadiene	10 U
MW-2B	01040168-05	Hexachlorocyclopentadiene	10 U
MW-2B	01040168-05	Hexachloroethane	10 U
MW-2B	01040168-05	Indeno(1,2,3-cd)pyrene	10 U
MW-2B	01040168-05	Isophorone	10 U
MW-2B	01040168-05	2-Methylnaphthalene	10 U
MW-2B	01040168-05	2-Methylphenol	10 U
MW-2B	01040168-05	4-Methylphenol	10 U
MW-2B	01040168-05	Naphthalene	10 U
MW-2B	01040168-05	2-Nitroaniline	50 U
MW-2B	01040168-05	3-Nitroaniline	50 U
MW-2B	01040168-05	4-Nitroaniline	50 U
MW-2B	01040168-05	Nitrobenzene	10 U
MW-2B	01040168-05	2-Nitrophenol	10 U
MW-2B	01040168-05	4-Nitrophenol	50 U
MW-2B	01040168-05	N-Nitrosodiphenylamine	10 U
MW-2B	01040168-05	N-Nitrosodi-n-propylamine	10 U
MW-2B	01040168-05	Pentachlorophenol	50 U
MW-2B	01040168-05	Phenanthrene	10 U
MW-2B	01040168-05	Phenol	10 U
MW-2B	01040168-05	Pyrene	10 U
MW-2B	01040168-05	1,2,4-Trichlorobenzene	10 U
MW-2B	01040168-05	2,4,5-Trichlorophenol	10 U
MW-2B	01040168-05	2,4,6-Trichlorophenol	10 U

Form 1-SVOA-2

600299

Client Sample ID

MW-2C

Sample Amount:	Soil=30 g./Water=1.0 L	Date Collected:	4/4/01	Sample Type:	WATER
Matrix:	WATER	Date Received:	4/6/01		
	1.00	TCLP extracted:		SDG:	01040168-06
Conc. Extract Vol.:	1000 ul	Date Extracted:	4/11/01	Lab ID:	01040168-06
Injection Volume:	1.0 ul	Date Analyzed:	4/13/01	Lab File ID:	
GPC Cleanup:	N	Level:	LOW	Dilution factor:	1
				CONCENTRATION	UNITS: ug/L

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
MW-2C	01040168-06	Acenaphthene	10 U
MW-2C	01040168-06	Acenaphthylene	10 U
MW-2C	01040168-06	Anthracene	10 U
MW-2C	01040168-06	Benzo(a)anthracene	10 U
MW-2C	01040168-06	Benzo(b)fluoranthene	10 U
MW-2C	01040168-06	Benzo(k)fluoranthene	10 U
MW-2C	01040168-06	Benzo(g,h,i)perylene	10 U
MW-2C	01040168-06	Benzo(a)pyrene	10 U
MW-2C	01040168-06	Benzyl alcohol	10 U
MW-2C	01040168-06	Bis(2-chloroethoxy)methane	10 U
MW-2C	01040168-06	Bis(2-chloroethyl)ether	10 U
MW-2C	01040168-06	Bis(2-chloroisopropyl)ether	10 U
MW-2C	01040168-06	Bis(2-ethylhexyl)phthalate	10 U
MW-2C	01040168-06	4-Bromophenyl phenyl ether	10 U
MW-2C	01040168-06	Butyl benzyl phthalate	10 U
MW-2C	01040168-06	4-Chloroaniline	10 U
MW-2C	01040168-06	2-Chloronaphthalene	10 U
MW-2C	01040168-06	4-Chloro-3-methyl phenol	10 U
MW-2C	01040168-06	2-Chlorophenol	10 U
MW-2C	01040168-06	4-Chlorophenyl phenyl ether	10 U
MW-2C	01040168-06	Chrysene	10 U
MW-2C	01040168-06	Dibenz(a,h)anthracene	10 U
MW-2C	01040168-06	Dibenzofuran	10 U
MW-2C	01040168-06	Di-n-butylphthalate	10 U
MW-2C	01040168-06	1,3-Dichlorobenzene	10 U
MW-2C	01040168-06	1,4-Dichlorobenzene	10 U
MW-2C	01040168-06	1,2-Dichlorobenzene	10 U
MW-2C	01040168-06	3,3'-Dichlorobenzidine	10 U
MW-2C	01040168-06	2,4-Dichlorophenol	10 U
MW-2C	01040168-06	Diethylphthalate	10 U
MW-2C	01040168-06	2,4-Dimethylphenol	10 U
MW-2C	01040168-06	Dimethylphthalate	10 U
MW-2C	01040168-06	4,6-Dinitro-2-methylphenol	50 U
MW-2C	01040168-06	2,4-Dinitrophenol	50 U
MW-2C	01040168-06	2,4-Dinitrotoluene	10 U
MW-2C	01040168-06	2,6-Dinitrotoluene	10 U
MW-2C	01040168-06	Di-n-octylphthalate	10 U
MW-2C	01040168-06	Fluoranthene	10 U
MW-2C	01040168-06	Fluorene	10 U
MW-2C	01040168-06	Hexachlorobenzene	10 U

Client Sample ID

MW-2C

CONCENTRATION UNITS: **ug/L**

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
MW-2C	01040168-06	Hexachlorobutadiene	10 U
MW-2C	01040168-06	Hexachlorocyclopentadiene	10 U
MW-2C	01040168-06	Hexachloroethane	10 U
MW-2C	01040168-06	Indeno(1,2,3-cd)pyrene	10 U
MW-2C	01040168-06	Isophorone	10 U
MW-2C	01040168-06	2-Methylnaphthalene	10 U
MW-2C	01040168-06	2-Methylphenol	10 U
MW-2C	01040168-06	4-Methylphenol	10 U
MW-2C	01040168-06	Naphthalene	10 U
MW-2C	01040168-06	2-Nitroaniline	50 U
MW-2C	01040168-06	3-Nitroaniline	50 U
MW-2C	01040168-06	4-Nitroaniline	50 U
MW-2C	01040168-06	Nitrobenzene	10 U
MW-2C	01040168-06	2-Nitrophenol	10 U
MW-2C	01040168-06	4-Nitrophenol	50 U
MW-2C	01040168-06	N-Nitrosodiphenylamine	10 U
MW-2C	01040168-06	N-Nitrosodi-n-propylamine	10 U
MW-2C	01040168-06	Pentachlorophenol	50 U
MW-2C	01040168-06	Phenanthrene	10 U
MW-2C	01040168-06	Phenol	10 U
MW-2C	01040168-06	Pyrene	10 U
MW-2C	01040168-06	1,2,4-Trichlorobenzene	10 U
MW-2C	01040168-06	2,4,5-Trichlorophenol	10 U
MW-2C	01040168-06	2,4,6-Trichlorophenol	10 U

Form 1-SVOA-2

000301

Client Sample ID

MW-3A

Sample Amount:	Soil=30 g./Water=1.0 L	Date Collected:	4/4/01	Sample Type:	WATER
Matrix:	WATER	Date Received:	4/6/01		
	1.00	TCLP extracted:		SDG:	01040168-07
Conc. Extract Vol.:	1000 ul	Date Extracted:	4/11/01	Lab ID:	01040168-07
Injection Volume:	1.0 ul	Date Analyzed:	4/13/01	Lab File ID:	
GPC Cleanup:	N	Level:	LOW	Dilution factor:	1
				CONCENTRATION	UNITS: ug/L

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
MW-3A	01040168-07	Acenaphthene	10 U
MW-3A	01040168-07	Acenaphthylene	10 U
MW-3A	01040168-07	Anthracene	10 U
MW-3A	01040168-07	Benzo(a)anthracene	10 U
MW-3A	01040168-07	Benzo(b)fluoranthene	10 U
MW-3A	01040168-07	Benzo(k)fluoranthene	10 U
MW-3A	01040168-07	Benzo(g,h,i)perylene	10 U
MW-3A	01040168-07	Benzo(a)pyrene	10 U
MW-3A	01040168-07	Benzyl alcohol	10 U
MW-3A	01040168-07	Bis(2-chloroethoxy)methane	10 U
MW-3A	01040168-07	Bis(2-chloroethyl)ether	10 U
MW-3A	01040168-07	Bis(2-chloroisopropyl)ether	10 U
MW-3A	01040168-07	Bis(2-ethylhexyl)phthalate	10 U
MW-3A	01040168-07	4-Bromophenyl phenyl ether	10 U
MW-3A	01040168-07	Butyl benzyl phthalate	10 U
MW-3A	01040168-07	4-Chloroaniline	10 U
MW-3A	01040168-07	2-Chloronaphthalene	10 U
MW-3A	01040168-07	4-Chloro-3-methyl phenol	10 U
MW-3A	01040168-07	2-Chlorophenol	10 U
MW-3A	01040168-07	4-Chlorophenyl phenyl ether	10 U
MW-3A	01040168-07	Chrysene	10 U
MW-3A	01040168-07	Dibenz(a,h)anthracene	10 U
MW-3A	01040168-07	Dibenzofuran	10 U
MW-3A	01040168-07	Di-n-butylphthalate	10 U
MW-3A	01040168-07	1,3-Dichlorobenzene	10 U
MW-3A	01040168-07	1,4-Dichlorobenzene	10 U
MW-3A	01040168-07	1,2-Dichlorobenzene	10 U
MW-3A	01040168-07	3,3'-Dichlorobenzidine	10 U
MW-3A	01040168-07	2,4-Dichlorophenol	10 U
MW-3A	01040168-07	Diethylphthalate	10 U
MW-3A	01040168-07	2,4-Dimethylphenol	10 U
MW-3A	01040168-07	Dimethylphthalate	10 U
MW-3A	01040168-07	4,6-Dinitro-2-methylphenol	50 U
MW-3A	01040168-07	2,4-Dinitrophenol	50 U
MW-3A	01040168-07	2,4-Dinitrotoluene	10 U
MW-3A	01040168-07	2,6-Dinitrotoluene	10 U
MW-3A	01040168-07	Di-n-octylphthalate	10 U
MW-3A	01040168-07	Fluoranthene	10 U
MW-3A	01040168-07	Fluorene	10 U
MW-3A	01040168-07	Hexachlorobenzene	10 U

Client Sample ID

MW-3A

CONCENTRATION UNITS. ug/L

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
MW-3A	01040168-07	Hexachlorobutadiene	10 U
MW-3A	01040168-07	Hexachlorocyclopentadiene	10 U
MW-3A	01040168-07	Hexachloroethane	10 U
MW-3A	01040168-07	Indeno(1,2,3-cd)pyrene	10 U
MW-3A	01040168-07	Isophorone	10 U
MW-3A	01040168-07	2-Methylnaphthalene	10 U
MW-3A	01040168-07	2-Methylphenol	10 U
MW-3A	01040168-07	4-Methylphenol	10 U
MW-3A	01040168-07	Naphthalene	10 U
MW-3A	01040168-07	2-Nitroaniline	50 U
MW-3A	01040168-07	3-Nitroaniline	50 U
MW-3A	01040168-07	4-Nitroaniline	50 U
MW-3A	01040168-07	Nitrobenzene	10 U
MW-3A	01040168-07	2-Nitrophenol	10 U
MW-3A	01040168-07	4-Nitrophenol	50 U
MW-3A	01040168-07	N-Nitrosodiphenylamine	10 U
MW-3A	01040168-07	N-Nitrosodi-n-propylamine	10 U
MW-3A	01040168-07	Pentachlorophenol	50 U
MW-3A	01040168-07	Phenanthrene	10 U
MW-3A	01040168-07	Phenol	10 U
MW-3A	01040168-07	Pyrene	10 U
MW-3A	01040168-07	1,2,4-Trichlorobenzene	10 U
MW-3A	01040168-07	2,4,5-Trichlorophenol	10 U
MW-3A	01040168-07	2,4,6-Trichlorophenol	10 U

Form 1-SVOA-2

000303

Client Sample ID

MW-3B

Sample Amount:	Soil=30 g./Water=1.0 L	Date Collected:	4/4/01	Sample Type:	WATER
Matrix:	WATER	Date Received:	4/6/01		
	1.00	TCLP extracted:		SDG:	01040168-08
Conc. Extract Vol.:	1000 ul	Date Extracted:	4/11/01	Lab ID:	01040168-08
Injection Volume:	1.0 ul	Date Analyzed:	4/13/01	Lab File ID:	
GPC Cleanup:	N	Level:	LOW	Dilution factor:	1
				CONCENTRATION	UNITS: ug/L

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
MW-3B	01040168-08	Acenaphthene	10 U
MW-3B	01040168-08	Acenaphthylene	10 U
MW-3B	01040168-08	Anthracene	10 U
MW-3B	01040168-08	Benzo(a)anthracene	10 U
MW-3B	01040168-08	Benzo(b)fluoranthene	10 U
MW-3B	01040168-08	Benzo(k)fluoranthene	10 U
MW-3B	01040168-08	Benzo(g,h,i)perylene	10 U
MW-3B	01040168-08	Benzo(a)pyrene	10 U
MW-3B	01040168-08	Benzyl alcohol	10 U
MW-3B	01040168-08	Bis(2-chloroethoxy)methane	10 U
MW-3B	01040168-08	Bis(2-chloroethyl)ether	10 U
MW-3B	01040168-08	Bis(2-chloroisopropyl)ether	10 U
MW-3B	01040168-08	Bis(2-ethylhexyl)phthalate	10 U
MW-3B	01040168-08	4-Bromophenyl phenyl ether	10 U
MW-3B	01040168-08	Butyl benzyl phthalate	10 U
MW-3B	01040168-08	4-Chloroaniline	10 U
MW-3B	01040168-08	2-Chloronaphthalene	10 U
MW-3B	01040168-08	4-Chloro-3-methyl phenol	10 U
MW-3B	01040168-08	2-Chlorophenol	10 U
MW-3B	01040168-08	4-Chlorophenyl phenyl ether	10 U
MW-3B	01040168-08	Chrysene	10 U
MW-3B	01040168-08	Dibenz(a,h)anthracene	10 U
MW-3B	01040168-08	Dibenzofuran	10 U
MW-3B	01040168-08	Di-n-butylphthalate	10 U
MW-3B	01040168-08	1,3-Dichlorobenzene	10 U
MW-3B	01040168-08	1,4-Dichlorobenzene	10 U
MW-3B	01040168-08	1,2-Dichlorobenzene	10 U
MW-3B	01040168-08	3,3'-Dichlorobenzidine	10 U
MW-3B	01040168-08	2,4-Dichlorophenol	10 U
MW-3B	01040168-08	Diethylphthalate	10 U
MW-3B	01040168-08	2,4-Dimethylphenol	10 U
MW-3B	01040168-08	Dimethylphthalate	10 U
MW-3B	01040168-08	4,6-Dinitro-2-methylphenol	50 U
MW-3B	01040168-08	2,4-Dinitrophenol	50 U
MW-3B	01040168-08	2,4-Dinitrotoluene	10 U
MW-3B	01040168-08	2,6-Dinitrotoluene	10 U
MW-3B	01040168-08	Di-n-octylphthalate	10 U
MW-3B	01040168-08	Fluoranthene	10 U
MW-3B	01040168-08	Fluorene	10 U
MW-3B	01040168-08	Hexachlorobenzene	10 U

Client Sample ID

MW-3B

CONCENTRATION UNITS. ug/L

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
MW-3B	01040168-08	Hexachlorobutadiene	10 U
MW-3B	01040168-08	Hexachlorocyclopentadiene	10 U
MW-3B	01040168-08	Hexachloroethane	10 U
MW-3B	01040168-08	Indeno(1,2,3-cd)pyrene	10 U
MW-3B	01040168-08	Isophorone	10 U
MW-3B	01040168-08	2-Methylnaphthalene	10 U
MW-3B	01040168-08	2-Methylphenol	10 U
MW-3B	01040168-08	4-Methylphenol	10 U
MW-3B	01040168-08	Naphthalene	10 U
MW-3B	01040168-08	2-Nitroaniline	50 U
MW-3B	01040168-08	3-Nitroaniline	50 U
MW-3B	01040168-08	4-Nitroaniline	50 U
MW-3B	01040168-08	Nitrobenzene	10 U
MW-3B	01040168-08	2-Nitrophenol	10 U
MW-3B	01040168-08	4-Nitrophenol	50 U
MW-3B	01040168-08	N-Nitrosodiphenylamine	10 U
MW-3B	01040168-08	N-Nitrosodi-n-propylamine	10 U
MW-3B	01040168-08	Pentachlorophenol	50 U
MW-3B	01040168-08	Phenanthrene	10 U
MW-3B	01040168-08	Phenol	10 U
MW-3B	01040168-08	Pyrene	10 U
MW-3B	01040168-08	1,2,4-Trichlorobenzene	10 U
MW-3B	01040168-08	2,4,5-Trichlorophenol	10 U
MW-3B	01040168-08	2,4,6-Trichlorophenol	10 U

Client Sample ID

MW-3C

Sample Amount: Soil=30 g./Water=1.0 L Date Collected: 4/4/01 Sample Type: **WATER**
Matrix: WATER Date Received: 4/6/01
1.00 TCLP extracted: SDG: 01040168-09
Conc. Extract Vol.: 1000 ul Date Extracted: 4/11/01 Lab ID: 01040168-09
Injection Volume: 1.0 ul Date Analyzed: 4/13/01 Lab File ID:
GPC Cleanup: N Level: LOW Dilution factor: 1
CONCENTRATION
UNITS: ug/L

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
MW-3C	01040168-09	Acenaphthene	10 U
MW-3C	01040168-09	Acenaphthylene	10 U
MW-3C	01040168-09	Anthracene	10 U
MW-3C	01040168-09	Benzo(a)anthracene	10 U
MW-3C	01040168-09	Benzo(b)fluoranthene	10 U
MW-3C	01040168-09	Benzo(k)fluoranthene	10 U
MW-3C	01040168-09	Benzo(g,h,i)perylene	10 U
MW-3C	01040168-09	Benzo(a)pyrene	10 U
MW-3C	01040168-09	Benzyl alcohol	10 U
MW-3C	01040168-09	Bis(2-chloroethoxy)methane	10 U
MW-3C	01040168-09	Bis(2-chloroethyl)ether	10 U
MW-3C	01040168-09	Bis(2-chloroisopropyl)ether	10 U
MW-3C	01040168-09	Bis(2-ethylhexyl)phthalate	10 U
MW-3C	01040168-09	4-Bromophenyl phenyl ether	10 U
MW-3C	01040168-09	Butyl benzyl phthalate	10 U
MW-3C	01040168-09	4-Chloroaniline	10 U
MW-3C	01040168-09	2-Chloronaphthalene	10 U
MW-3C	01040168-09	4-Chloro-3-methyl phenol	10 U
MW-3C	01040168-09	2-Chlorophenol	10 U
MW-3C	01040168-09	4-Chlorophenyl phenyl ether	10 U
MW-3C	01040168-09	Chrysene	10 U
MW-3C	01040168-09	Dibenz(a,h)anthracene	10 U
MW-3C	01040168-09	Dibenzofuran	10 U
MW-3C	01040168-09	Di-n-butylphthalate	10 U
MW-3C	01040168-09	1,3-Dichlorobenzene	10 U
MW-3C	01040168-09	1,4-Dichlorobenzene	10 U
MW-3C	01040168-09	1,2-Dichlorobenzene	10 U
MW-3C	01040168-09	3,3'-Dichlorobenzidine	10 U
MW-3C	01040168-09	2,4-Dichlorophenol	10 U
MW-3C	01040168-09	Diethylphthalate	10 U
MW-3C	01040168-09	2,4-Dimethylphenol	10 U
MW-3C	01040168-09	Dimethylphthalate	10 U
MW-3C	01040168-09	4,6-Dinitro-2-methylphenol	50 U
MW-3C	01040168-09	2,4-Dinitrophenol	50 U
MW-3C	01040168-09	2,4-Dinitrotoluene	10 U
MW-3C	01040168-09	2,6-Dinitrotoluene	10 U
MW-3C	01040168-09	Di-n-octylphthalate	10 U
MW-3C	01040168-09	Fluoranthene	10 U
MW-3C	01040168-09	Fluorene	10 U
MW-3C	01040168-09	Hexachlorobenzene	10 U

Client Sample ID

MW-3C

CONCENTRATION UNITS: ug/L

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
MW-3C	01040168-09	Hexachlorobutadiene	10 U
MW-3C	01040168-09	Hexachlorocyclopentadiene	10 U
MW-3C	01040168-09	Hexachloroethane	10 U
MW-3C	01040168-09	Indeno(1,2,3-cd)pyrene	10 U
MW-3C	01040168-09	Isophorone	10 U
MW-3C	01040168-09	2-Methylnaphthalene	10 U
MW-3C	01040168-09	2-Methylphenol	10 U
MW-3C	01040168-09	4-Methylphenol	10 U
MW-3C	01040168-09	Naphthalene	10 U
MW-3C	01040168-09	2-Nitroaniline	50 U
MW-3C	01040168-09	3-Nitroaniline	50 U
MW-3C	01040168-09	4-Nitroaniline	50 U
MW-3C	01040168-09	Nitrobenzene	10 U
MW-3C	01040168-09	2-Nitrophenol	10 U
MW-3C	01040168-09	4-Nitrophenol	50 U
MW-3C	01040168-09	N-Nitrosodiphenylamine	10 U
MW-3C	01040168-09	N-Nitrosodi-n-propylamine	10 U
MW-3C	01040168-09	Pentachlorophenol	50 U
MW-3C	01040168-09	Phenanthrene	10 U
MW-3C	01040168-09	Phenol	10 U
MW-3C	01040168-09	Pyrene	10 U
MW-3C	01040168-09	1,2,4-Trichlorobenzene	10 U
MW-3C	01040168-09	2,4,5-Trichlorophenol	10 U
MW-3C	01040168-09	2,4,6-Trichlorophenol	10 U

Form 1-SVOA-2

000307

Client Sample ID

MW-4A

Sample Amount:	Soil=30 g./Water=1.0 L	Date Collected:	4/4/01	Sample Type:	WATER
Matrix:	WATER	Date Received:	4/6/01		
	1.00	TCLP extracted		SDG:	01040168-10
Conc. Extract Vol.:	1000 ul	Date Extracted:	4/11/01	Lab ID:	01040168-10
Injection Volume:	1.0 ul	Date Analyzed:	4/13/01	Lab File ID:	
GPC Cleanup:	N	Level:	LOW	Dilution factor:	1
				CONCENTRATION	UNITS: ug/L

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
MW-4A	01040168-10	Acenaphthene	10 U
MW-4A	01040168-10	Acenaphthylene	10 U
MW-4A	01040168-10	Anthracene	10 U
MW-4A	01040168-10	Benzo(a)anthracene	10 U
MW-4A	01040168-10	Benzo(b)fluoranthene	10 U
MW-4A	01040168-10	Benzo(k)fluoranthene	10 U
MW-4A	01040168-10	Benzo(g,h,i)perylene	10 U
MW-4A	01040168-10	Benzo(a)pyrene	10 U
MW-4A	01040168-10	Benzyl alcohol	10 U
MW-4A	01040168-10	Bis(2-chloroethoxy)methane	10 U
MW-4A	01040168-10	Bis(2-chloroethyl)ether	10 U
MW-4A	01040168-10	Bis(2-chloroisopropyl)ether	10 U
MW-4A	01040168-10	Bis(2-ethylhexyl)phthalate	10 U
MW-4A	01040168-10	4-Bromophenyl phenyl ether	10 U
MW-4A	01040168-10	Butyl benzyl phthalate	10 U
MW-4A	01040168-10	4-Chloroaniline	10 U
MW-4A	01040168-10	2-Chloronaphthalene	10 U
MW-4A	01040168-10	4-Chloro-3-methyl phenol	10 U
MW-4A	01040168-10	2-Chlorophenol	10 U
MW-4A	01040168-10	4-Chlorophenyl phenyl ether	10 U
MW-4A	01040168-10	Chrysene	10 U
MW-4A	01040168-10	Dibenz(a,h)anthracene	10 U
MW-4A	01040168-10	Dibenzofuran	10 U
MW-4A	01040168-10	Di-n-butylphthalate	10 U
MW-4A	01040168-10	1,3-Dichlorobenzene	10 U
MW-4A	01040168-10	1,4-Dichlorobenzene	10 U
MW-4A	01040168-10	1,2-Dichlorobenzene	10 U
MW-4A	01040168-10	3,3'-Dichlorobenzidine	10 U
MW-4A	01040168-10	2,4-Dichlorophenol	10 U
MW-4A	01040168-10	Diethylphthalate	10 U
MW-4A	01040168-10	2,4-Dimethylphenol	10 U
MW-4A	01040168-10	Dimethylphthalate	10 U
MW-4A	01040168-10	4,6-Dinitro-2-methylphenol	50 U
MW-4A	01040168-10	2,4-Dinitrophenol	50 U
MW-4A	01040168-10	2,4-Dinitrotoluene	10 U
MW-4A	01040168-10	2,6-Dinitrotoluene	10 U
MW-4A	01040168-10	Di-n-octylphthalate	10 U
MW-4A	01040168-10	Fluoranthene	10 U
MW-4A	01040168-10	Fluorene	10 U
MW-4A	01040168-10	Hexachlorobenzene	10 U

Client Sample ID

MW-4A

CONCENTRATION UNITS: **ug/L**

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
MW-4A	01040168-10	Hexachlorobutadiene	10 U
MW-4A	01040168-10	Hexachlorocyclopentadiene	10 U
MW-4A	01040168-10	Hexachloroethane	10 U
MW-4A	01040168-10	Indeno(1,2,3-cd)pyrene	10 U
MW-4A	01040168-10	Isophorone	10 U
MW-4A	01040168-10	2-Methylnaphthalene	10 U
MW-4A	01040168-10	2-Methylphenol	10 U
MW-4A	01040168-10	4-Methylphenol	10 U
MW-4A	01040168-10	Naphthalene	10 U
MW-4A	01040168-10	2-Nitroaniline	50 U
MW-4A	01040168-10	3-Nitroaniline	50 U
MW-4A	01040168-10	4-Nitroaniline	50 U
MW-4A	01040168-10	Nitrobenzene	10 U
MW-4A	01040168-10	2-Nitrophenol	10 U
MW-4A	01040168-10	4-Nitrophenol	50 U
MW-4A	01040168-10	N-Nitrosodiphenylamine	10 U
MW-4A	01040168-10	N-Nitrosodi-n-propylamine	10 U
MW-4A	01040168-10	Pentachlorophenol	50 U
MW-4A	01040168-10	Phenanthrene	10 U
MW-4A	01040168-10	Phenol	10 U
MW-4A	01040168-10	Pyrene	10 U
MW-4A	01040168-10	1,2,4-Trichlorobenzene	10 U
MW-4A	01040168-10	2,4,5-Trichlorophenol	10 U
MW-4A	01040168-10	2,4,6-Trichlorophenol	10 U

Client Sample ID

MW-4B

Sample Amount:	Soil=30 g./Water=1.0 L	Date Collected:	4/4/01	Sample Type:	WATER
Matrix:	WATER	Date Received:	4/6/01		
	1.00	TCLP extracted:		SDG:	01040168-11
Conc. Extract Vol.:	1000 ul	Date Extracted:	4/11/01	Lab ID:	01040168-11
Injection Volume:	1.0 ul	Date Analyzed:	4/13/01	Lab File ID:	
GPC Cleanup:	N	Level:	LOW	Dilution factor:	1
				CONCENTRATION	UNITS: ug/L

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
MW-4B	01040168-11	Acenaphthene	10 U
MW-4B	01040168-11	Acenaphthylene	10 U
MW-4B	01040168-11	Anthracene	10 U
MW-4B	01040168-11	Benzo(a)anthracene	10 U
MW-4B	01040168-11	Benzo(b)fluoranthene	10 U
MW-4B	01040168-11	Benzo(k)fluoranthene	10 U
MW-4B	01040168-11	Benzo(g,h,i)perylene	10 U
MW-4B	01040168-11	Benzo(a)pyrene	10 U
MW-4B	01040168-11	Benzyl alcohol	10 U
MW-4B	01040168-11	Bis(2-chloroethoxy)methane	10 U
MW-4B	01040168-11	Bis(2-chloroethyl)ether	10 U
MW-4B	01040168-11	Bis(2-chloroisopropyl)ether	10 U
MW-4B	01040168-11	Bis(2-ethylhexyl)phthalate	10 U
MW-4B	01040168-11	4-Bromophenyl phenyl ether	10 U
MW-4B	01040168-11	Butyl benzyl phthalate	10 U
MW-4B	01040168-11	4-Chloroaniline	10 U
MW-4B	01040168-11	2-Chloronaphthalene	10 U
MW-4B	01040168-11	4-Chloro-3-methyl phenol	10 U
MW-4B	01040168-11	2-Chlorophenol	10 U
MW-4B	01040168-11	4-Chlorophenyl phenyl ether	10 U
MW-4B	01040168-11	Chrysene	10 U
MW-4B	01040168-11	Dibenz(a,h)anthracene	10 U
MW-4B	01040168-11	Dibenzofuran	10 U
MW-4B	01040168-11	Di-n-butylphthalate	10 U
MW-4B	01040168-11	1,3-Dichlorobenzene	10 U
MW-4B	01040168-11	1,4-Dichlorobenzene	10 U
MW-4B	01040168-11	1,2-Dichlorobenzene	10 U
MW-4B	01040168-11	3,3'-Dichlorobenzidine	10 U
MW-4B	01040168-11	2,4-Dichlorophenol	10 U
MW-4B	01040168-11	Diethylphthalate	10 U
MW-4B	01040168-11	2,4-Dimethylphenol	10 U
MW-4B	01040168-11	Dimethylphthalate	10 U
MW-4B	01040168-11	4,6-Dinitro-2-methylphenol	50 U
MW-4B	01040168-11	2,4-Dinitrophenol	50 U
MW-4B	01040168-11	2,4-Dinitrotoluene	10 U
MW-4B	01040168-11	2,6-Dinitrotoluene	10 U
MW-4B	01040168-11	Di-n-octylphthalate	10 U
MW-4B	01040168-11	Fluoranthene	10 U
MW-4B	01040168-11	Fluorene	10 U
MW-4B	01040168-11	Hexachlorobenzene	10 U

Client Sample ID

MW-4B

CONCENTRATION UNITS: ug/L

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
MW-4B	01040168-11	Hexachlorobutadiene	10 U
MW-4B	01040168-11	Hexachlorocyclopentadiene	10 U
MW-4B	01040168-11	Hexachloroethane	10 U
MW-4B	01040168-11	Indeno(1,2,3-cd)pyrene	10 U
MW-4B	01040168-11	Isophorone	10 U
MW-4B	01040168-11	2-Methylnaphthalene	10 U
MW-4B	01040168-11	2-Methylphenol	10 U
MW-4B	01040168-11	4-Methylphenol	10 U
MW-4B	01040168-11	Naphthalene	10 U
MW-4B	01040168-11	2-Nitroaniline	50 U
MW-4B	01040168-11	3-Nitroaniline	50 U
MW-4B	01040168-11	4-Nitroaniline	50 U
MW-4B	01040168-11	Nitrobenzene	10 U
MW-4B	01040168-11	2-Nitrophenol	10 U
MW-4B	01040168-11	4-Nitrophenol	50 U
MW-4B	01040168-11	N-Nitrosodiphenylamine	10 U
MW-4B	01040168-11	N-Nitrosodi-n-propylamine	10 U
MW-4B	01040168-11	Pentachlorophenol	50 U
MW-4B	01040168-11	Phenanthrene	10 U
MW-4B	01040168-11	Phenol	10 U
MW-4B	01040168-11	Pyrene	10 U
MW-4B	01040168-11	1,2,4-Trichlorobenzene	10 U
MW-4B	01040168-11	2,4,5-Trichlorophenol	10 U
MW-4B	01040168-11	2,4,6-Trichlorophenol	10 U

Form 1-SVOA-2

000311

Client Sample ID

MW-4C

Sample Amount:	Soil=30 g./Water=1.0 L	Date Collected:	4/4/01	Sample Type:	WATER
Matrix:	WATER	Date Received:	4/6/01		
	1.00	TCLP extracted:		SDG:	01040168-12
Conc. Extract Vol.:	1000 ul	Date Extracted:	4/11/01	Lab ID:	01040168-12
Injection Volume:	1.0 ul	Date Analyzed:	4/13/01	Lab File ID:	
GPC Cleanup:	N	Level:	LOW	Dilution factor:	1
				CONCENTRATION	
				UNITS:	ug/L

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
MW-4C	01040168-12	Acenaphthene	10 U
MW-4C	01040168-12	Acenaphthylene	10 U
MW-4C	01040168-12	Anthracene	10 U
MW-4C	01040168-12	Benzo(a)anthracene	10 U
MW-4C	01040168-12	Benzo(b)fluoranthene	10 U
MW-4C	01040168-12	Benzo(k)fluoranthene	10 U
MW-4C	01040168-12	Benzo(g,h,i)perylene	10 U
MW-4C	01040168-12	Benzo(a)pyrene	10 U
MW-4C	01040168-12	Benzyl alcohol	10 U
MW-4C	01040168-12	Bis(2-chloroethoxy)methane	10 U
MW-4C	01040168-12	Bis(2-chloroethyl)ether	10 U
MW-4C	01040168-12	Bis(2-chloroisopropyl)ether	10 U
MW-4C	01040168-12	Bis(2-ethylhexyl)phthalate	10 U
MW-4C	01040168-12	4-Bromophenyl phenyl ether	10 U
MW-4C	01040168-12	Butyl benzyl phthalate	10 U
MW-4C	01040168-12	4-Chloroaniline	10 U
MW-4C	01040168-12	2-Chloronaphthalene	10 U
MW-4C	01040168-12	4-Chloro-3-methyl phenol	10 U
MW-4C	01040168-12	2-Chlorophenol	10 U
MW-4C	01040168-12	4-Chlorophenyl phenyl ether	10 U
MW-4C	01040168-12	Chrysene	10 U
MW-4C	01040168-12	Dibenz(a,h)anthracene	10 U
MW-4C	01040168-12	Dibenzofuran	10 U
MW-4C	01040168-12	Di-n-butylphthalate	10 U
MW-4C	01040168-12	1,3-Dichlorobenzene	10 U
MW-4C	01040168-12	1,4-Dichlorobenzene	10 U
MW-4C	01040168-12	1,2-Dichlorobenzene	10 U
MW-4C	01040168-12	3,3'-Dichlorobenzidine	10 U
MW-4C	01040168-12	2,4-Dichlorophenol	10 U
MW-4C	01040168-12	Diethylphthalate	10 U
MW-4C	01040168-12	2,4-Dimethylphenol	10 U
MW-4C	01040168-12	Dimethylphthalate	10 U
MW-4C	01040168-12	4,6-Dinitro-2-methylphenol	50 U
MW-4C	01040168-12	2,4-Dinitrophenol	50 U
MW-4C	01040168-12	2,4-Dinitrotoluene	10 U
MW-4C	01040168-12	2,6-Dinitrotoluene	10 U
MW-4C	01040168-12	Di-n-octylphthalate	10 U
MW-4C	01040168-12	Fluoranthene	10 U
MW-4C	01040168-12	Fluorene	10 U
MW-4C	01040168-12	Hexachlorobenzene	10 U

Client Sample ID

MW-4C

CONCENTRATION UNITS: ug/L

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
MW-4C	01040168-12	Hexachlorobutadiene	10 U
MW-4C	01040168-12	Hexachlorocyclopentadiene	10 U
MW-4C	01040168-12	Hexachloroethane	10 U
MW-4C	01040168-12	Indeno(1,2,3-cd)pyrene	10 U
MW-4C	01040168-12	Isophorone	10 U
MW-4C	01040168-12	2-Methylnaphthalene	10 U
MW-4C	01040168-12	2-Methylphenol	10 U
MW-4C	01040168-12	4-Methylphenol	10 U
MW-4C	01040168-12	Naphthalene	10 U
MW-4C	01040168-12	2-Nitroaniline	50 U
MW-4C	01040168-12	3-Nitroaniline	50 U
MW-4C	01040168-12	4-Nitroaniline	50 U
MW-4C	01040168-12	Nitrobenzene	10 U
MW-4C	01040168-12	2-Nitrophenol	10 U
MW-4C	01040168-12	4-Nitrophenol	50 U
MW-4C	01040168-12	N-Nitrosodiphenylamine	10 U
MW-4C	01040168-12	N-Nitrosodi-n-propylamine	10 U
MW-4C	01040168-12	Pentachlorophenol	50 U
MW-4C	01040168-12	Phenanthrene	10 U
MW-4C	01040168-12	Phenol	10 U
MW-4C	01040168-12	Pyrene	10 U
MW-4C	01040168-12	1,2,4-Trichlorobenzene	10 U
MW-4C	01040168-12	2,4,5-Trichlorophenol	10 U
MW-4C	01040168-12	2,4,6-Trichlorophenol	10 U

Form 1-SVOA-2

000313

Client Sample ID

Field Blank

Sample Amount:	Soil=30 g./Water=1.0 L	Date Collected:	4/5/01	Sample Type:	WATER
Matrix:	WATER	Date Received:	4/6/01		
	1.00	TCLP extracted:		SDG:	01040168-13
Conc. Extract Vol.:	1000 ul	Date Extracted:	4/11/01	Lab ID:	01040168-13
Injection Volume:	1.0 ul	Date Analyzed:	4/13/01	Lab File ID:	
GPC Cleanup:	N	Level:	LOW	Dilution factor:	1
				CONCENTRATION	UNITS: ug/L

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
Field Blank	01040168-13	Acenaphthene	10 U
Field Blank	01040168-13	Acenaphthylene	10 U
Field Blank	01040168-13	Anthracene	10 U
Field Blank	01040168-13	Benzo(a)anthracene	10 U
Field Blank	01040168-13	Benzo(b)fluoranthene	10 U
Field Blank	01040168-13	Benzo(k)fluoranthene	10 U
Field Blank	01040168-13	Benzo(g,h,i)perylene	10 U
Field Blank	01040168-13	Benzo(a)pyrene	10 U
Field Blank	01040168-13	Benzyl alcohol	10 U
Field Blank	01040168-13	Bis(2-chloroethoxy)methane	10 U
Field Blank	01040168-13	Bis(2-chloroethyl)ether	10 U
Field Blank	01040168-13	Bis(2-chloroisopropyl)ether	10 U
Field Blank	01040168-13	Bis(2-ethylhexyl)phthalate	10 U
Field Blank	01040168-13	4-Bromophenyl phenyl ether	10 U
Field Blank	01040168-13	Butyl benzyl phthalate	10 U
Field Blank	01040168-13	4-Chloroaniline	10 U
Field Blank	01040168-13	2-Chloronaphthalene	10 U
Field Blank	01040168-13	4-Chloro-3-methyl phenol	10 U
Field Blank	01040168-13	2-Chlorophenol	10 U
Field Blank	01040168-13	4-Chlorophenyl phenyl ether	10 U
Field Blank	01040168-13	Chrysene	10 U
Field Blank	01040168-13	Dibenz(a,h)anthracene	10 U
Field Blank	01040168-13	Dibenzofuran	10 U
Field Blank	01040168-13	Di-n-butylphthalate	10 U
Field Blank	01040168-13	1,3-Dichlorobenzene	10 U
Field Blank	01040168-13	1,4-Dichlorobenzene	10 U
Field Blank	01040168-13	1,2-Dichlorobenzene	10 U
Field Blank	01040168-13	3,3'-Dichlorobenzidine	10 U
Field Blank	01040168-13	2,4-Dichlorophenol	10 U
Field Blank	01040168-13	Diethylphthalate	10 U
Field Blank	01040168-13	2,4-Dimethylphenol	10 U
Field Blank	01040168-13	Dimethylphthalate	10 U
Field Blank	01040168-13	4,6-Dinitro-2-methylphenol	50 U
Field Blank	01040168-13	2,4-Dinitrophenol	50 U
Field Blank	01040168-13	2,4-Dinitrotoluene	10 U
Field Blank	01040168-13	2,6-Dinitrotoluene	10 U
Field Blank	01040168-13	Di-n-octylphthalate	10 U
Field Blank	01040168-13	Fluoranthene	10 U
Field Blank	01040168-13	Fluorene	10 U
Field Blank	01040168-13	Hexachlorobenzene	10 U

Client Sample ID

Field Blank

CONCENTRATION UNITS: ug/L

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
Field Blank	01040168-13	Hexachlorobutadiene	10 U
Field Blank	01040168-13	Hexachlorocyclopentadiene	10 U
Field Blank	01040168-13	Hexachloroethane	10 U
Field Blank	01040168-13	Indeno(1,2,3-cd)pyrene	10 U
Field Blank	01040168-13	Isophorone	10 U
Field Blank	01040168-13	2-Methylnaphthalene	10 U
Field Blank	01040168-13	2-Methylphenol	10 U
Field Blank	01040168-13	4-Methylphenol	10 U
Field Blank	01040168-13	Naphthalene	10 U
Field Blank	01040168-13	2-Nitroaniline	50 U
Field Blank	01040168-13	3-Nitroaniline	50 U
Field Blank	01040168-13	4-Nitroaniline	50 U
Field Blank	01040168-13	Nitrobenzene	10 U
Field Blank	01040168-13	2-Nitrophenol	10 U
Field Blank	01040168-13	4-Nitrophenol	50 U
Field Blank	01040168-13	N-Nitrosodiphenylamine	10 U
Field Blank	01040168-13	N-Nitrosodi-n-propylamine	10 U
Field Blank	01040168-13	Pentachlorophenol	50 U
Field Blank	01040168-13	Phenanthrene	10 U
Field Blank	01040168-13	Phenol	10 U
Field Blank	01040168-13	Pyrene	10 U
Field Blank	01040168-13	1,2,4-Trichlorobenzene	10 U
Field Blank	01040168-13	2,4,5-Trichlorophenol	10 U
Field Blank	01040168-13	2,4,6-Trichlorophenol	10 U

Form 1-SVOA-2

000315

Client Sample ID

Drums(MW-2,3,4)

Sample Amount:	Soil=30 g./Water=1.0 L	Date Collected:	4/5/01	Sample Type:	SOIL
Matrix:	SOIL	Date Received:	4/6/01		
	1.00	TCLP extracted:		SDG:	01040168-15
Conc. Extract Vol.:	1000 ul	Date Extracted:	4/11/01	Lab ID:	01040168-15
Injection Volume:	1.0 ul	Date Analyzed:	4/13/01	Lab File ID:	
GPC Cleanup:	N	Level:	LOW	Dilution factor:	1
				CONCENTRATION	UNITS: ug/Kg

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
Drums(MW-2,3,4)	01040168-15	Acenaphthene	330 U
Drums(MW-2,3,4)	01040168-15	Acenaphthylene	330 U
Drums(MW-2,3,4)	01040168-15	Anthracene	330 U
Drums(MW-2,3,4)	01040168-15	Benzo(a)anthracene	330 U
Drums(MW-2,3,4)	01040168-15	Benzo(b)fluoranthene	330 U
Drums(MW-2,3,4)	01040168-15	Benzo(k)fluoranthene	330 U
Drums(MW-2,3,4)	01040168-15	Benzo(g,h,i)perylene	330 U
Drums(MW-2,3,4)	01040168-15	Benzo(a)pyrene	330 U
Drums(MW-2,3,4)	01040168-15	Benzyl alcohol	330 U
Drums(MW-2,3,4)	01040168-15	Bis(2-chloroethoxy)methane	330 U
Drums(MW-2,3,4)	01040168-15	Bis(2-chloroethyl)ether	330 U
Drums(MW-2,3,4)	01040168-15	Bis(2-chloroisopropyl)ether	330 U
Drums(MW-2,3,4)	01040168-15	Bis(2-ethylhexyl)phthalate	330 U
Drums(MW-2,3,4)	01040168-15	4-Bromophenyl phenyl ether	330 U
Drums(MW-2,3,4)	01040168-15	Butyl benzyl phthalate	330 U
Drums(MW-2,3,4)	01040168-15	4-Chloroaniline	330 U
Drums(MW-2,3,4)	01040168-15	2-Chloronaphthalene	330 U
Drums(MW-2,3,4)	01040168-15	4-Chloro-3-methyl phenol	330 U
Drums(MW-2,3,4)	01040168-15	2-Chlorophenol	330 U
Drums(MW-2,3,4)	01040168-15	4-Chlorophenyl phenyl ether	330 U
Drums(MW-2,3,4)	01040168-15	Chrysene	330 U
Drums(MW-2,3,4)	01040168-15	Dibenz(a,h)anthracene	330 U
Drums(MW-2,3,4)	01040168-15	Dibenzofuran	330 U
Drums(MW-2,3,4)	01040168-15	Di-n-butylphthalate	330 U
Drums(MW-2,3,4)	01040168-15	1,3-Dichlorobenzene	330 U
Drums(MW-2,3,4)	01040168-15	1,4-Dichlorobenzene	330 U
Drums(MW-2,3,4)	01040168-15	1,2-Dichlorobenzene	330 U
Drums(MW-2,3,4)	01040168-15	3,3'-Dichlorobenzidine	330 U
Drums(MW-2,3,4)	01040168-15	2,4-Dichlorophenol	330 U
Drums(MW-2,3,4)	01040168-15	Diethylphthalate	330 U
Drums(MW-2,3,4)	01040168-15	2,4-Dimethylphenol	330 U
Drums(MW-2,3,4)	01040168-15	Dimethylphthalate	330 U
Drums(MW-2,3,4)	01040168-15	4,6-Dinitro-2-methylphenol	1700 U
Drums(MW-2,3,4)	01040168-15	2,4-Dinitrophenol	1700 U
Drums(MW-2,3,4)	01040168-15	2,4-Dinitrotoluene	330 U
Drums(MW-2,3,4)	01040168-15	2,6-Dinitrotoluene	330 U
Drums(MW-2,3,4)	01040168-15	Di-n-octylphthalate	330 U
Drums(MW-2,3,4)	01040168-15	Fluoranthene	330 U
Drums(MW-2,3,4)	01040168-15	Fluorene	330 U
Drums(MW-2,3,4)	01040168-15	Hexachlorobenzene	330 U

Client Sample ID
Drums(MW-2,3,4)

CONCENTRATION UNITS: **ug/Kg**

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
Drums(MW-2,3,4)	01040168-15	Hexachlorobutadiene	330 U
Drums(MW-2,3,4)	01040168-15	Hexachlorocyclopentadiene	330 U
Drums(MW-2,3,4)	01040168-15	Hexachloroethane	330 U
Drums(MW-2,3,4)	01040168-15	Indeno(1,2,3-cd)pyrene	330 U
Drums(MW-2,3,4)	01040168-15	Isophorone	330 U
Drums(MW-2,3,4)	01040168-15	2-Methylnaphthalene	330 U
Drums(MW-2,3,4)	01040168-15	2-Methylphenol	330 U
Drums(MW-2,3,4)	01040168-15	4-Methylphenol	330 U
Drums(MW-2,3,4)	01040168-15	Naphthalene	330 U
Drums(MW-2,3,4)	01040168-15	2-Nitroaniline	1700 U
Drums(MW-2,3,4)	01040168-15	3-Nitroaniline	1700 U
Drums(MW-2,3,4)	01040168-15	4-Nitroaniline	1700 U
Drums(MW-2,3,4)	01040168-15	Nitrobenzene	330 U
Drums(MW-2,3,4)	01040168-15	2-Nitrophenol	330 U
Drums(MW-2,3,4)	01040168-15	4-Nitrophenol	1700 U
Drums(MW-2,3,4)	01040168-15	N-Nitrosodiphenylamine	330 U
Drums(MW-2,3,4)	01040168-15	N-Nitrosodi-n-propylamine	330 U
Drums(MW-2,3,4)	01040168-15	Pentachlorophenol	1700 U
Drums(MW-2,3,4)	01040168-15	Phenanthrene	330 U
Drums(MW-2,3,4)	01040168-15	Phenol	330 U
Drums(MW-2,3,4)	01040168-15	Pyrene	330 U
Drums(MW-2,3,4)	01040168-15	1,2,4-Trichlorobenzene	330 U
Drums(MW-2,3,4)	01040168-15	2,4,5-Trichlorophenol	330 U
Drums(MW-2,3,4)	01040168-15	2,4,6-Trichlorophenol	330 U

Client Sample ID

Drums(MW-1)

Sample Amount:	Soil=30 g./Water=1.0 L	Date Collected:	4/4/01	Sample Type:	SOIL
Matrix:	SOIL	Date Received:	4/6/01		
	1.00	TCLP extracted:		SDG:	01040168-16
Conc. Extract Vol.:	1000 ul	Date Extracted:	4/11/01	Lab ID:	01040168-16
Injection Volume:	1.0 ul	Date Analyzed:	4/13/01	Lab File ID:	
GPC Cleanup:	N	Level:	LOW	Dilution factor:	1
				CONCENTRATION	
				UNITS:	ug/Kg

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
Drums(MW-1)	01040168-16	Acenaphthene	330 U
Drums(MW-1)	01040168-16	Acenaphthylene	330 U
Drums(MW-1)	01040168-16	Anthracene	330 U
Drums(MW-1)	01040168-16	Benzo(a)anthracene	56 J
Drums(MW-1)	01040168-16	Benzo(b)fluoranthene	330 U
Drums(MW-1)	01040168-16	Benzo(k)fluoranthene	330 U
Drums(MW-1)	01040168-16	Benzo(g,h,i)perylene	330 U
Drums(MW-1)	01040168-16	Benzo(a)pyrene	90 J
Drums(MW-1)	01040168-16	Benzyl alcohol	330 U
Drums(MW-1)	01040168-16	Bis(2-chloroethoxy)methane	330 U
Drums(MW-1)	01040168-16	Bis(2-chloroethyl)ether	330 U
Drums(MW-1)	01040168-16	Bis(2-chloroisopropyl)ether	330 U
Drums(MW-1)	01040168-16	Bis(2-ethylhexyl)phthalate	330 U
Drums(MW-1)	01040168-16	4-Bromophenyl phenyl ether	330 U
Drums(MW-1)	01040168-16	Butyl benzyl phthalate	330 U
Drums(MW-1)	01040168-16	4-Chloroaniline	330 U
Drums(MW-1)	01040168-16	2-Chloronaphthalene	330 U
Drums(MW-1)	01040168-16	4-Chloro-3-methyl phenol	330 U
Drums(MW-1)	01040168-16	2-Chlorophenol	330 U
Drums(MW-1)	01040168-16	4-Chlorophenyl phenyl ether	330 U
Drums(MW-1)	01040168-16	Chrysene	73 J
Drums(MW-1)	01040168-16	Dibenz(a,h)anthracene	330 U
Drums(MW-1)	01040168-16	Dibenzofuran	330 U
Drums(MW-1)	01040168-16	Di-n-butylphthalate	330 U
Drums(MW-1)	01040168-16	1,3-Dichlorobenzene	330 U
Drums(MW-1)	01040168-16	1,4-Dichlorobenzene	330 U
Drums(MW-1)	01040168-16	1,2-Dichlorobenzene	330 U
Drums(MW-1)	01040168-16	3,3'-Dichlorobenzidine	330 U
Drums(MW-1)	01040168-16	2,4-Dichlorophenol	330 U
Drums(MW-1)	01040168-16	Diethylphthalate	330 U
Drums(MW-1)	01040168-16	2,4-Dimethylphenol	330 U
Drums(MW-1)	01040168-16	Dimethylphthalate	330 U
Drums(MW-1)	01040168-16	4,6-Dinitro-2-methylphenol	1700 U
Drums(MW-1)	01040168-16	2,4-Dinitrophenol	1700 U
Drums(MW-1)	01040168-16	2,4-Dinitrotoluene	330 U
Drums(MW-1)	01040168-16	2,6-Dinitrotoluene	330 U
Drums(MW-1)	01040168-16	Di-n-octylphthalate	330 U
Drums(MW-1)	01040168-16	Fluoranthene	200 J
Drums(MW-1)	01040168-16	Fluorene	330 U
Drums(MW-1)	01040168-16	Hexachlorobenzene	330 U

Client Sample ID
Drums(MW-1)

CONCENTRATION UNITS: **ug/Kg**

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
Drums(MW-1)	01040168-16	Hexachlorobutadiene	330 U
Drums(MW-1)	01040168-16	Hexachlorocyclopentadiene	330 U
Drums(MW-1)	01040168-16	Hexachloroethane	330 U
Drums(MW-1)	01040168-16	Indeno(1,2,3-cd)pyrene	330 U
Drums(MW-1)	01040168-16	Isophorone	330 U
Drums(MW-1)	01040168-16	2-Methylnaphthalene	330 U
Drums(MW-1)	01040168-16	2-Methylphenol	330 U
Drums(MW-1)	01040168-16	4-Methylphenol	330 U
Drums(MW-1)	01040168-16	Naphthalene	330 U
Drums(MW-1)	01040168-16	2-Nitroaniline	1700 U
Drums(MW-1)	01040168-16	3-Nitroaniline	1700 U
Drums(MW-1)	01040168-16	4-Nitroaniline	1700 U
Drums(MW-1)	01040168-16	Nitrobenzene	330 U
Drums(MW-1)	01040168-16	2-Nitrophenol	330 U
Drums(MW-1)	01040168-16	4-Nitrophenol	1700 U
Drums(MW-1)	01040168-16	N-Nitrosodiphenylamine	330 U
Drums(MW-1)	01040168-16	N-Nitrosodi-n-propylamine	330 U
Drums(MW-1)	01040168-16	Pentachlorophenol	1700 U
Drums(MW-1)	01040168-16	Phenanthrene	130 J
Drums(MW-1)	01040168-16	Phenol	330 U
Drums(MW-1)	01040168-16	Pyrene	160 J
Drums(MW-1)	01040168-16	1,2,4-Trichlorobenzene	330 U
Drums(MW-1)	01040168-16	2,4,5-Trichlorophenol	330 U
Drums(MW-1)	01040168-16	2,4,6-Trichlorophenol	330 U

York Analytical Laboratories, Inc.
GC/MS SEMI-VOLATILES QA-QC Check Report - Batch ID QBSV2041201A

Tune File : C:\HPCHEM\1\DATA\E23868.D

Tune Time : 12 Apr 2001 4:35 pm

12 Hr. Calibration File : C:\HPCHEM\1\DATA\E23868.D

1324530 4135230 2725780

4431610 3639500 3185780

File	Sample	Surrogate Recovery %				Internal Standard Responses		
=====								
E23869.D	BLK WATER	39	30	70	44	1173325	3887393	2391159
		58	74			3882698	3001620	2634389

E23870.D	MS WATER	41	34	71	47	1306326	4207297	2707032
		71	78			4287838	3388422	3087371

E23871.D	MSD WATER	39	30	68	45	1426081	4545227	3000583
		70	79			4951725	3799671	3362690

E23872.D	BLK SOIL	60	57	92	62	1089829	3413534	2114216
		78	83			3530079	3060732	2643979

E23873.D	MS SOIL	53	54	81	53	1188881	3870688	2462268
		77	73			4103269	3357226	2875911

E23874.D	MSD SOIL	49	49	74	50	1213653	3886631	2438839
		74	75			4056964	3296913	2784503

E23875.D	01040168-01	26	15	79	49	1097257	3662763	2296344
		61	64			3679178	2911785	2637135

E23876.D	01040168-02	26	15	69	44	1193529	3722369	2326941
		64	50			3971315	3216635	2995446

E23877.D	01040168-03	20	16	84	60	1335472	4389927	2503447
		50	62			3882851	3606821	3124225

E23878.D	01040168-04	28	21	71	49	1129989	3654975	2151401
		69	73			3325102	2680087	2427742

E23879.D	01040168-05	25	16	63	41	1203609	4007209	2408423
		68	61			3778370	2989536	2703229

E23880.D	01040168-06	27	19	66	43	1366032	4316823	2761105
		62	57			4733273	3828648	3457218

E23881.D	01040168-07	31	21	71	42	1172003	3847267	2526902
		60	46			4235680	3458702	3132813

E23882.D	01040168-08	23	15	59	35	1530458	4919998	3400793
		56	49			5299970	4608753	4247744

000320

E23883.D	01040168-09	26 68	20 64	76	44	1291933 4743850	4164845 3840607	2869773 3327633
E23884.D	01040168-10	29 55	20 50	68	39	1197476 3958437	3907255 3120961	2648204 2950346
E23885.D	01040168-11	26 70	18 69	74	45	1234417 4038223	3992070 3394364	2638306 3031519
E23886.D	01040168-12	28 90	18 92	86	54	1472776 4529636	4657099 3929000	2973202 3619933
E23887.D	01040168-13	24 68	14 71	73	47	1455831 4493260	4667918 3818878	2909626 3453645
E23888.D	01040168-15	60 72	58 84	88	56	1389622 4300629	4390720 3616394	2614400 3292607
E23889.D	01040168-16	58 67	30 70	83	58	1141803 3396267	3405768 3047965	2092632 2827768
t - fails 12hr time check * - fails criteria								

Surrogate Recovery Acceptance Limits (Aqueous)

1.	2-Fluorophenol	20-110
2.	Phenol-d5	10-110
3.	Nitrobenzene-d5	29-114
4.	2-Fluorobiphenyl	35-116
5.	2,4,6-Tribromophenol	10-123
6.	Terphenyl-d14	33-141

Surrogate Recovery Acceptance Limits (Solids)

1.	2-Fluorophenol	25-121
2.	Phenol-d5	24-113
3.	Nitrobenzene-d5	23-120
4.	2-Fluorobiphenyl	30-115
5.	2,4,6-Tribromophenol	19-122
6.	Terphenyl-d14	18-137

Internal Standard Acceptance Limits : -50% to +100% of Cont. Cal Check areas

000321

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: _____ Contract : _____
 Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 01040168
 Matrix Spike - NYSDEC Sample No.: _____

COMPOUND	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	MS CONCENTRATION (µg/L)	MS % REC #	QC LIMITS REC.
Phenol	200	0	63	32	12 - 110
2-Chlorophenol	200	0	91	46	27 - 123
1,4-Dichlorobenzene	100	0	36	36	36 - 97
N-Nitroso-di-n-propylamine	100	0	47	47	41 - 116
1,2,4-Trichlorobenzene	100	0	42	42	39 - 98
4-Chloro-3-methylphenol	200	0	93	47	23 - 97
Acenaphthene	100	0	43	43	46 - 118
4-Nitrophenol	200	0	62	31	10 - 80
2,4-Dinitrotoluene	100	0	48	48	24 - 96
Pentachlorophenol	200	0	111	56	9 - 103
Pyrene	100	0	62	62	26 - 127

COMPOUND	SPIKE ADDED (µg/L)	MS SAMPLE CONCENTRATION (µg/L)	MSD % REC #	% RPD #	QC RPD	LIMITS REC.
Phenol	200	50	25	23	42	12 - 110
2-Chlorophenol	200	81	41	12	40	27 - 123
1,4-Dichlorobenzene	100	36	36	0	28	36 - 97
N-Nitroso-di-n-propylamine	100	46	46	3	38	41 - 116
1,2,4-Trichlorobenzene	100	42	42	0	28	39 - 98
4-Chloro-3-methylphenol	200	86	43	7	42	23 - 97
Acenaphthene	100	44	44	0	31	46 - 118
4-Nitrophenol	200	60	30	3	50	10 - 80
2,4-Dinitrotoluene	100	50	50	5	38	24 - 96
Pentachlorophenol	200	106	53	4	50	9 - 103
Pyrene	100	66	66	7	31	26 - 127

Column to be used to flag recovery and RPD values with an asterisk

* Values outside QC limits

RPD: _____ out of _____ outside limits

Spike Recovery: _____ out of _____ outside limits

COMMENTS: _____

FORM III-CLP-SV-1

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: _____ Contract : _____
 Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____
 Matrix Spike - NYSDEC Sample No.: _____ Level: (low/med) _____

COMPOUND	SPIKE ADDED (µg/Kg)	SAMPLE CONCENTRATION (µg/Kg)	MS CONCENTRATION (µg/Kg)	MS % REC #	QC LIMITS REC.
Phenol	66666	0	3027	45	26 - 90
2-Chlorophenol	66666	0	3367	51	25 - 102
1,4-Dichlorobenzene	33333	0	1437	43	28 - 104
N-Nitroso-di-n-propylamine	33333	0	1822	55	41 - 126
1,2,4-Trichlorobenzene	33333	0	1683	50	38 - 107
4-Chloro-3-methylphenol	66666	0	3560	53	26 - 103
Acenaphthene	33333	0	1684	50	31 - 137
4-Nitrophenol	66666	0	3404	54	11 - 114
2,4-Dinitrotoluene	33333	0	1847	55	28 - 89
Pentachlorophenol	66666	0	3745	56	17 - 109
Pyrene	33333	0	2285	68	35 - 142

COMPOUND	SPIKE ADDED (µg/Kg)	SAMPLE CONCENTRATION (µg/Kg)	MS % REC #	% RPD #	QC RPD	LIMITS REC.
Phenol	66666	2787	42	8	35	26 - 90
2-Chlorophenol	66666	3019	45	11	50	25 - 102
1,4-Dichlorobenzene	33333	1278	38	12	27	28 - 104
N-Nitroso-di-n-propylamine	33333	1706	51	7	38	41 - 126
1,2,4-Trichlorobenzene	33333	1536	46	9	23	38 - 107
4-Chloro-3-methylphenol	66666	3319	50	7	33	26 - 103
Acenaphthene	33333	1673	50	1	19	31 - 137
4-Nitrophenol	66666	3503	53	3	50	11 - 114
2,4-Dinitrotoluene	33333	1866	56	1	47	28 - 89
Pentachlorophenol	66666	3769	57	1	47	17 - 109
Pyrene	33333	2364	71	3	36	35 - 142

Column to be used to flag recovery and RPD values with an asterisk

* Values outside QC limits

RPD: _____ out of _____ outside limits

Spike Recovery: _____ out of _____ outside limits

COMMENTS: _____

FORM III-CLP-SV-2

Injection Log

Directory: c:\hpchem\1\data

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
	7	e23868.d	1.	50ppm BNA CAL CHECK STD W/ CROMPTON STD		
					QBSV2041201A	12 Apr 01 16:35
2	8	e23869.d	1.	BLK 4-11 BNA WATER A	QBSV2041201A	12 Apr 01 17:05
3	9	e23870.d	1.	MS 4-11 BNA WATER A	QBSV2041201A	12 Apr 01 17:34
4	10	e23871.d	1.	MSD 4-11 BNA WATER A	QBSV2041201A	12 Apr 01 18:04
5	11	e23872.d	33.33	BLK 4-10 BNA SOIL A	QBSV2041201A	12 Apr 01 18:34
6	12	e23873.d	33.33	MS 4-10 BNA SOIL A	QBSV2041201A	12 Apr 01 19:03
7	13	e23874.d	33.33	MSD 4-10 BNA SOIL A	QBSV2041201A	12 Apr 01 19:33
8	14	e23875.d	1.1	01040168-01 \$8270W ASPB 900ML\1ML		
					QBSV2041201A	12 Apr 01 20:04
9	15	e23876.d	1.	01040168-02 \$8270W ASPB 1L\1ML	QBSV2041201A	12 Apr 01 20:34
10	16	e23877.d	2.	01040168-03 \$8270W ASPB 1L\1ML 2X	QBSV2041201A	12 Apr 01 21:03
11	17	e23878.d	1.1	01040168-04 \$8270W ASPB 900ML\1ML		
					QBSV2041201A	12 Apr 01 21:34
12	18	e23879.d	1.1	01040168-05 \$8270W ASPB 900ML\1ML		
					QBSV2041201A	12 Apr 01 22:04
13	19	e23880.d	1.	01040168-06 \$8270W ASPB 1L\1ML	QBSV2041201A	12 Apr 01 22:34
14	20	e23881.d	1.1	01040168-07 \$8270W ASPB 900ML\1ML		
					QBSV2041201A	12 Apr 01 23:03
15	21	e23882.d	1.05	01040168-08 \$8270W ASPB 950ML\1ML		
					QBSV2041201A	12 Apr 01 23:33
16	22	e23883.d	2.2	01040168-09 \$8270W ASPB 900ML\1ML 2X		
					QBSV2041201A	13 Apr 01 00:03
17	23	e23884.d	1.05	01040168-10 \$8270W ASPB 950ML\1ML		
					QBSV2041201A	13 Apr 01 00:33
18	24	e23885.d	1.05	01040168-11 \$8270W ASPB 950ML\1ML		
					QBSV2041201A	13 Apr 01 01:03
19	25	e23886.d	2.1	01040168-12 \$8270W ASPB 950ML\1ML 2X		
					QBSV2041201A	13 Apr 01 01:34
	26	e23887.d	1.25	01040168-13 \$8270W ASPB 800ML\1ML		
					QBSV2041201A	13 Apr 01 02:03
21	27	e23888.d	66.66	01040168-15 \$8270S ASPB 30GM\1M 2XL		
					QBSV2041201A	13 Apr 01 02:33
22	28	e23889.d	33.33	01040168-16 \$8270S ASPB 30GM\1M 2XL		
					QBSV2041201A	13 Apr 01 03:03
23	29	e23890.d	1.	01040186-01 \$PAHBNW ASPB 1L\1ML	QBSV2041201A	13 Apr 01 03:33
24	30	e23891.d	1.05	01040186-02 \$PAHBNW ASPB 950ML\1ML		
					QBSV2041201A	13 Apr 01 04:03

000324

DFTPP

Data File : C:\HPCHEM\1\DATA\E23868.D

Vial: 7

Acq On : 12 Apr 2001 4:35 pm

Operator: RB

Sample : 50ppm BNA CAL CHECK STD W\ CROMPTON STD

Inst : BNA NO 2

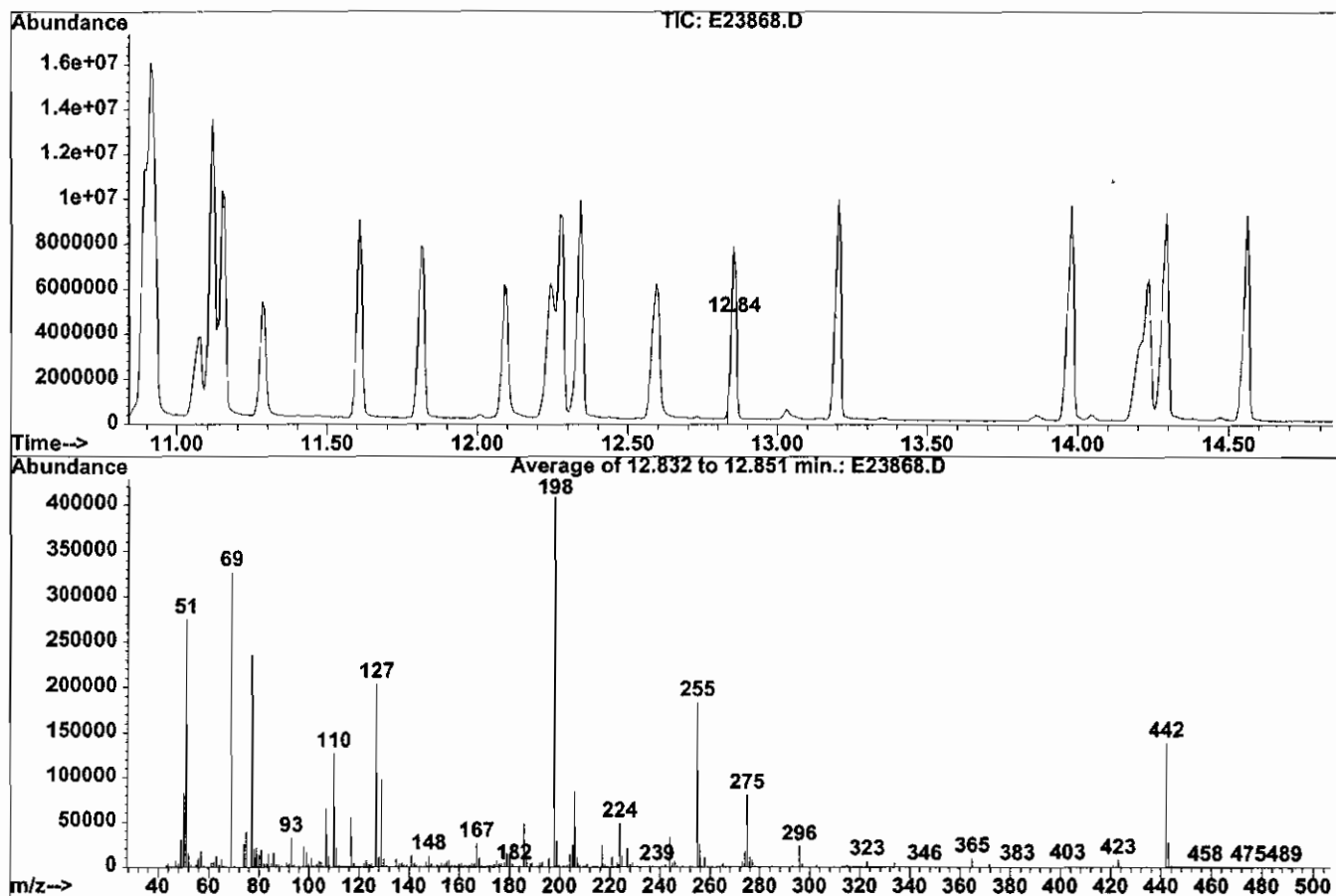
Misc : QBSV2041201A

Multiplr: 1.00

MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)

Title : Semivolatiles by GC/MS - EPA Method 625/8270



Spectrum Information: Average of 12.832 to 12.851 min.

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
51	198	15	75	67.3	274650	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	80.1	326892	PASS
70	69	0.00	2	0.4	1298	PASS
127	198	20	60	49.8	203374	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	408230	PASS
199	198	5	9	6.9	28021	PASS
275	198	10	30	19.8	80655	PASS
365	198	0.75	100	2.4	9633	PASS
441	443	0.01	100	1.0	278	PASS
442	198	30	110	34.0	138618	PASS
443	442	17	23	19.6	27161	PASS

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\E23868.D Vial: 7
 Acq On : 12 Apr 2001 4:35 pm Operator: RB
 Sample : 50ppm BNA CAL CHECK STD W\ CROMPTON STD Inst : BNA NO 2
 Misc : QBSV2041201A Multiplr: 1.00
 MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)
 Title : Semivolatiles by GC/MS - EPA Method 625/8270
 Last Update : Fri Apr 13 09:29:39 2001
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 25% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 250%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 i	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	84	0.00
2 t	N-Nitrosodimethylamine	0.826	0.868	-5.1	88	0.00
3 t	Pyridine	1.512	1.204	20.4#	69	0.00
4 S	2-Fluorophenol	1.377	1.382	-0.4	82	-0.01
5 S	Phenol-d5	1.883	1.873	0.5	85	-0.01
6 t	Aniline	2.102	2.532	-20.5#	98	0.00
7 m	Phenol	2.060	2.180	-5.8	92	-0.01
8 t	Bis(2-chloroethyl)ether	1.842	1.796	2.5	85	0.00
9 M	2-Chlorophenol	1.418	1.412	0.4	83	-0.01
10 t	1,3-Dichlorobenzene	1.465	1.471	-0.4	85	0.00
11 c	1,4-Dichlorobenzene	1.718	1.734	-0.9#	87	0.00
12 t	Benzyl Alcohol	0.902	0.946	-4.9	88	-0.02
3 t	1,2-Dichlorobenzene	1.493	1.549	-3.8	86	-0.01
14 t	2-Methylphenol	1.239	1.260	-1.7	85	0.00
15 t	Bis(2-chloroisopropyl)ether	1.157	1.168	-1.0	87	-0.02
16 M	N-Nitrosodi-n-propylamine	1.243	1.254	-0.9	84	-0.02
17 t	4-Methylphenol	1.545	1.589	-2.8	86	-0.01
18 t	Hexachloroethane	0.776	0.790	-1.8	86	0.00
19 s	Nitrobenzene-d5	1.864	1.930	-3.5	85	0.00
20 t	Nitrobenzene	1.812	1.894	-4.5	86	0.00
21 i	Naphthalene-d8	1.000	1.000	0.0	89	0.00
22 t	Isophorone	1.088	1.091	-0.3	86	-0.02
23 t	2-Nitrophenol	0.262	0.256	2.3	90	0.00
24 t	2,4-Dimethylphenol	0.346	0.346	0.0	89	-0.02
25 t	Bis(2-chloroethoxy)methane	0.532	0.542	-1.9	87	-0.01
26 t	Benzoic Acid	0.360	0.363	-0.8	93	-0.03
27 c	2,4-Dichlorophenol	0.379	0.390	-2.9#	91	0.00
28 M	1,2,4-Trichlorobenzene	0.450	0.458	-1.8	89	0.00
29 t	Naphthalene	0.999	1.136	-13.7	91	-0.01
30 t	4-Chloroaniline	0.451	0.471	-4.4	91	0.00
31 c	Hexachlorobutadiene	0.279	0.294	-5.4#	88	0.00
32 M	4-Chloro-3-methylphenol	0.441	0.437	0.9	85	0.00
33 t	2-Methylnaphthalene	0.752	0.777	-3.3	88	0.00
34 p	Hexachlorocyclopentadiene	0.259	0.265	-2.3	92	0.00
35 i	Acenaphthene-d10	1.000	1.000	0.0	90	-0.01
36 c	2,4,6-Trichlorophenol	0.477	0.456	4.4#	88	0.00
7 t	2,4,5-Trichlorophenol	0.509	0.476	6.5	87	0.00
38 s	2-Fluorobiphenyl	1.364	1.352	0.9	89	0.00
39 t	2-Chloronaphthalene	1.137	1.133	0.4	89	0.00

(#) = Out of Range

E23868.D BNA2-13.M

Fri Apr 13 10:17:07 2001

000326

Page 1

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\E23868.D Vial: 7
 Acq On : 12 Apr 2001 4:35 pm Operator: RB
 Sample : 50ppm BNA CAL CHECK STD W\ CROMPTON STD Inst : BNA NO 2
 Misc : QBSV2041201A Multiplr: 1.00
 MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)
 Title : Semivolatiles by GC/MS - EPA Method 625/8270
 Last Update : Fri Apr 13 09:29:39 2001
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 25% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 250%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
40 t	2-Nitroaniline	0.400	0.387	3.3	86	-0.01
41 t	Dimethylphthalate	1.425	1.456	-2.2	88	-0.02
42 t	2,6-Dinitrotoluene	0.371	0.350	5.7	86	-0.02
43 t	Acenaphthylene	1.708	1.742	-2.0	87	0.00
44 t	3-Nitroaniline	0.304	0.288	5.3	87	-0.02
45 M	Acenaphthene	1.091	1.060	2.8	88	0.00
46 p	2,4-Dinitrophenol	0.246	0.234	4.9	90	-0.02
47 t	Dibenzofuran	1.586	1.606	-1.3	89	0.00
48 M	2,4-Dinitrotoluene	0.470	0.462	1.7	88	-0.02
49 p,m	4-Nitrophenol	0.430	0.373	13.3	80	-0.02
50 t	Diethyl phthalate	1.433	1.510	-5.4	90	-0.01
51 t	Fluorene	1.389	1.415	-1.9	88	0.00
t	4-Chlorophenyl phenyl ether	0.685	0.718	-4.8	88	0.00
53 t	4-Nitroaniline	0.293	0.264	9.9	83	-0.02
54 t	4,6-Dinitro-2-methylphenol	0.318	0.326	-2.5	92	-0.02
55 t	Diphenylamine	0.886	0.881	0.6	88	0.00
56 c	N-Nitrosodiphenylamine	0.313	0.305	2.6#	86	0.00
57 i	Phenanthrene-d10	1.000	1.000	0.0	88	-0.01
58 t	Azobenzene	1.099	1.141	-3.8	88	-0.02
59 s	2,4,6-Tribromophenol	0.139	0.137	1.4	88	0.00
60 t	4-Bromophenyl phenyl ether	0.241	0.242	-0.4	89	-0.01
61 t	Hexachlorobenzene	0.117	0.115	1.7	86	-0.01
62 M	Pentachlorophenol	0.188	0.180	4.3	92	0.00
63 t	Phenanthrene	1.012	1.018	-0.6	91	0.03
64 t	Anthracene	0.940	1.018	-8.3	91	-0.01
65 t	Di-n-butyl phthalate	1.105	1.227	-11.0	91	-0.01
66 c	Fluoranthene	1.011	1.067	-5.5#	92	-0.01
67 t	Benzidine	0.393	0.428	-8.9	102	-0.02
68 M	Pyrene	0.991	1.006	-1.5	90	0.00
69 i	Chrysene-d12	1.000	1.000	0.0	87	-0.01
70 s	Terphenyl-d14	0.899	0.952	-5.9	89	0.00
71 t	Benzyl butyl phthalate	0.702	0.728	-3.7	87	-0.01
72 t	Bis(2-ethylhexyl)phthalate	0.890	0.934	-4.9	86	-0.01
73 t	Benz(a)anthracene	1.111	1.161	-4.5	88	-0.01
74 t	3,3'-Dichlorobenzidine	0.461	0.487	-5.6	87	-0.02
75 t	Chrysene	1.002	1.066	-6.4	87	-0.02
5 c	Di-n-octylphthalate	1.428	1.611	-12.8#	87	0.00
77 i	Perylene-d12	1.000	1.000	0.0	89	-0.02

(#) = Out of Range

E23868.D BNA2-13.M

Fri Apr 13 10:17:09 2001

000327

Page 2

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\E23868.D Vial: 7
 Acq On : 12 Apr 2001 4:35 pm Operator: RB
 Sample : 50ppm BNA CAL CHECK STD W\ CROMPTON STD Inst : BNA NO 2
 Misc : QBSV2041201A Multiplr: 1.00
 MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)
 Title : Semivolatiles by GC/MS - EPA Method 625/8270
 Last Update : Fri Apr 13 09:29:39 2001
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 25% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 250%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
78 t	Benzo(b)fluoranthene	1.702	1.388	18.4	86	-0.02
79 t	Benzo(k)fluoranthene	1.330	1.155	13.2	72	-0.02
80 t	Benz(a)pyrene	1.240	1.223	1.4	87	-0.02
81 t	Indeno(1,2,3-c,d)pyrene	1.385	1.391	-0.4	89	-0.03
82 t	Dibenz(a,h)anthracene	1.248	1.257	-0.7	90	-0.02
83 t	Benzo(g,h,i)perylene	1.068	1.064	0.4	90	-0.02

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E23868.D Vial: 7
 Acq On : 12 Apr 2001 4:35 pm Operator: RB
 Sample : 50ppm BNA CAL CHECK STD W\ CROMPTON STD Inst : BNA NO 2
 Misc : QBSV2041201A Multiplr: 1.00
 MS Integration Params: rteint.p
 Quant Time: Apr 13 10:16 19101 Quant Results File: BNA2-13.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)
 Title : Semivolatiles by GC/MS - EPA Method 625/8270
 Last Update : Fri Apr 13 09:29:39 2001
 Response via : Initial Calibration
 DataAcq Meth : BNA2-12

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.25	152	1324533	40.00	ug/mL	0.00
21) Naphthalene-d8	7.78	136	4135228	40.00	ug/mL	0.00
35) Acenaphthene-d10	10.15	164	2725784	40.00	ug/mL	-0.01
57) Phenanthrene-d10	12.24	188	4431605	40.00	ug/mL	-0.01
69) Chrysene-d12	16.05	240	3639499	40.00	ug/mL	-0.01
77) Perylene-d12	17.95	264	3185783	40.00	ug/mL	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	4.93	112	2288110	40.15	ug/mL	-0.01
Spiked Amount 200.000	Range 21 - 100		Recovery =	20.08%	#	
5) Phenol-d5	5.98	99	3100252	39.77	ug/mL	-0.01
Spiked Amount 200.000	Range 10 - 100		Recovery =	19.89%		
19) Nitrobenzene-d5	6.94	82	3195136	41.41	ug/mL	0.00
Spiked Amount 100.000	Range 35 - 114		Recovery =	41.41%		
38) 2-Fluorobiphenyl	9.25	172	4605890	39.63	ug/mL	0.00
Spiked Amount 100.000	Range 43 - 116		Recovery =	39.63%	#	
59) 2,4,6-Tribromophenol	11.29	330	757019	39.24	ug/mL	0.00
Spiked Amount 200.000	Range 10 - 123		Recovery =	19.62%		
70) Terphenyl-d14	14.56	244	4332919	42.39	ug/mL	0.00
Spiked Amount 100.000	Range 33 - 141		Recovery =	42.39%		

Target Compounds

						Qvalue
2) N-Nitrosodimethylamine	3.05	74	1436960m	42.01	ug/mL	
3) Pyridine	2.98	79	1993412m	31.86	ug/mL	
6) Aniline	5.95	93	4191725	48.17	ug/mL#	62
7) Phenol	6.00	94	3608917m	42.32	ug/mL	
8) Bis(2-chloroethyl) ether	6.02	93	2973470	38.99	ug/mL	97
9) 2-Chlorophenol	6.07	128	2338263	39.84	ug/mL	97
10) 1,3-Dichlorobenzene	6.21	146	2435090	40.15	ug/mL	95
11) 1,4-Dichlorobenzene	6.27	146	2870929	40.38	ug/mL	92
12) Benzyl Alcohol	6.47	108	1567006	41.95	ug/mL#	59
13) 1,2-Dichlorobenzene	6.48	146	2564086	41.48	ug/mL#	71
14) 2-Methylphenol	6.63	107	2085395	40.67	ug/mL#	72
15) Bis(2-chloroisopropyl) eth	6.63	45	1933674	40.39	ug/mL#	88
16) N-Nitrosodi-n-propylamine	6.83	70	2076607	40.36	ug/mL#	100
17) 4-Methylphenol	6.82	107	2630827	41.14	ug/mL	99
18) Hexachloroethane	6.84	117	1307748	40.70	ug/mL	97
20) Nitrobenzene	6.96	77	3135171	41.80	ug/mL#	1
22) Isophorone	7.26	82	5636889	40.08	ug/mL	99
23) 2-Nitrophenol	7.34	139	1321038	39.02	ug/mL	97
24) 2,4-Dimethylphenol	7.43	122	1786978	39.97	ug/mL	99

(#) = qualifier out of range (m) = manual integration
 E23868.D BNA2-13.M Fri Apr 13 10:17:16 2001

000329

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E23868.D

Vial: 7

Acq On : 12 Apr 2001 4:35 pm

Operator: RB

Sample : 50ppm BNA CAL CHECK STD W\ CROMPTON STD

Inst : BNA NO 2

Misc : QBSV2041201A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Apr 13 10:16 19101

Quant Results File: BNA2-13.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)

Title : Semivolatiles by GC/MS - EPA Method 625/8270

Last Update : Fri Apr 13 09:29:39 2001

Response via : Initial Calibration

DataAcq Meth : BNA2-12

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
25) Bis(2-chloroethoxy)methane	7.53	93	2802482	40.73	ug/mL	99
26) Benzoic Acid	7.71	105	1876134	40.28	ug/mL	97
27) 2,4-Dichlorophenol	7.66	162	2017743	41.20	ug/mL	97
28) 1,2,4-Trichlorobenzene	7.73	180	2366450	40.68	ug/mL	99
29) Naphthalene	7.81	128	5873497	45.50	ug/mL#	90
30) 4-Chloroaniline	7.92	127	2434532	41.81	ug/mL	98
31) Hexachlorobutadiene	8.06	225	1522250	42.18	ug/mL	99
32) 4-Chloro-3-methylphenol	8.58	107	2258124	39.60	ug/mL	98
33) 2-Methylnaphthalene	8.71	142	4016119	41.32	ug/mL	99
34) Hexachlorocyclopentadiene	9.02	237	1370088	40.90	ug/mL	98
36) 2,4,6-Trichlorophenol	9.15	196	1552292	38.17	ug/mL	99
37) 2,4,5-Trichlorophenol	9.21	196	1622869	37.41	ug/mL	98
39) 2-Chloronaphthalene	9.37	162	3860378	39.87	ug/mL	100
40) 2-Nitroaniline	9.57	138	1317123	38.64	ug/mL	98
41) Dimethylphthalate	9.90	163	4960420	40.86	ug/mL	99
42) 2,6-Dinitrotoluene	9.95	165	1192773	37.74	ug/mL	87
43) Acenaphthylene	9.94	152	5935334	40.79	ug/mL	100
44) 3-Nitroaniline	10.18	138	981713	37.91	ug/mL#	99
45) Acenaphthene	10.21	154	3613208	38.89	ug/mL	99
46) 2,4-Dinitrophenol	10.32	184	796371	37.99	ug/mL	98
47) Dibenzofuran	10.43	168	5472467	40.50	ug/mL	99
48) 2,4-Dinitrotoluene	10.53	165	1573273	39.31	ug/mL	99
49) 4-Nitrophenol	10.48	65	1270379	34.69	ug/mL#	22
50) Diethyl phthalate	10.89	149	5143824	42.15	ug/mL	98
51) Fluorene	10.91	166	4820001	40.75	ug/mL	100
52) 4-Chlorophenyl phenyl ethe	10.93	204	2445931	41.92	ug/mL	100
53) 4-Nitroaniline	11.08	138	899625	36.02	ug/mL	93
54) 4,6-Dinitro-2-methylphenol	11.12	198	1110222	40.94	ug/mL	96
55) Diphenylamine	11.12	169	3002741	39.79	ug/mL	99
56) N-Nitrosodiphenylamine	11.12	167	1039502	39.02	ug/mL	97
58) Azobenzene	11.15	77	6322375	41.55	ug/mL	98
60) 4-Bromophenyl phenyl ether	11.61	248	1341549	40.20	ug/mL	98
61) Hexachlorobenzene	11.81	142	634502	39.32	ug/mL	94
62) Pentachlorophenol	12.10	266	994857	38.13	ug/mL	98
63) Phenanthrene	12.34	178	5636761	40.22	ug/mL#	99
64) Anthracene	12.34	178	5636761	43.31	ug/mL#	99
65) Di-n-butyl phthalate	13.20	149	6799470	44.42	ug/mL	99
66) Fluoranthene	13.98	202	5908010	42.19	ug/mL#	97
67) Benzidine	14.20	184	2369572	43.57	ug/mL	99
68) Pyrene	14.29	202	5572214	40.62	ug/mL	99
71) Benzyl butyl phthalate	15.33	149	3310681	41.49	ug/mL	99

(#) = qualifier out of range (m) = manual integration
 E23868.D BNA2-13.M Fri Apr 13 10:17:17 2001

000330

Page 2

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E23868.D Vial: 7
Acq On : 12 Apr 2001 4:35 pm Operator: RB
Sample : 50ppm BNA CAL CHECK STD W\ CROMPTON STD Inst : BNA NO 2
Misc : QBSV2041201A Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:16 19101 Quant Results File: BNA2-13.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Fri Apr 13 09:29:39 2001
Response via : Initial Calibration
DataAcq Meth : BNA2-12

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
72) Bis(2-ethylhexyl)phthalate	16.21	149	4250431	42.01	ug/mL	99
73) Benz(a)anthracene	16.01	228	5279849	41.77	ug/mL	100
74) 3,3'-Dichlorobenzidine	16.03	252	2214443	42.27	ug/mL	100
75) Chrysene	16.09	228	4847393	42.54	ug/mL#	100
76) Di-n-octylphthalate	17.04	149	7327766	45.11	ug/mL	99
78) Benzo(b)fluoranthene	17.50	252	5526154	32.61	ug/mL#	54
79) Benzo(k)fluoranthene	17.52	252	4597841	34.73	ug/mL#	80
80) Benz(a)pyrene	17.88	252	4869942	39.46	ug/mL	99
81) Indeno(1,2,3-c,d)pyrene	19.33	276	5538414	40.17	ug/mL	99
82) Dibenz(a,h)anthracene	19.34	278	5004007	40.27	ug/mL	99
83) Benzo(g,h,i)perylene	19.69	276	4236074	39.83	ug/mL	98

Quantitation Report

Data File : C:\HPCHEM\1\DATA\E23868.D

Vial: 7

Acq On : 12 Apr 2001 4:35 pm

Operator: RB

Sample : 50ppm BNA CAL CHECK STD W\ CROMPTON STD

Inst : BNA NO 2

Misc : QBSV2041201A

Multiplr: 1.00

```
MS Integration Params: rteint.p
```

Quant Time: Apr 13 10:16 19101

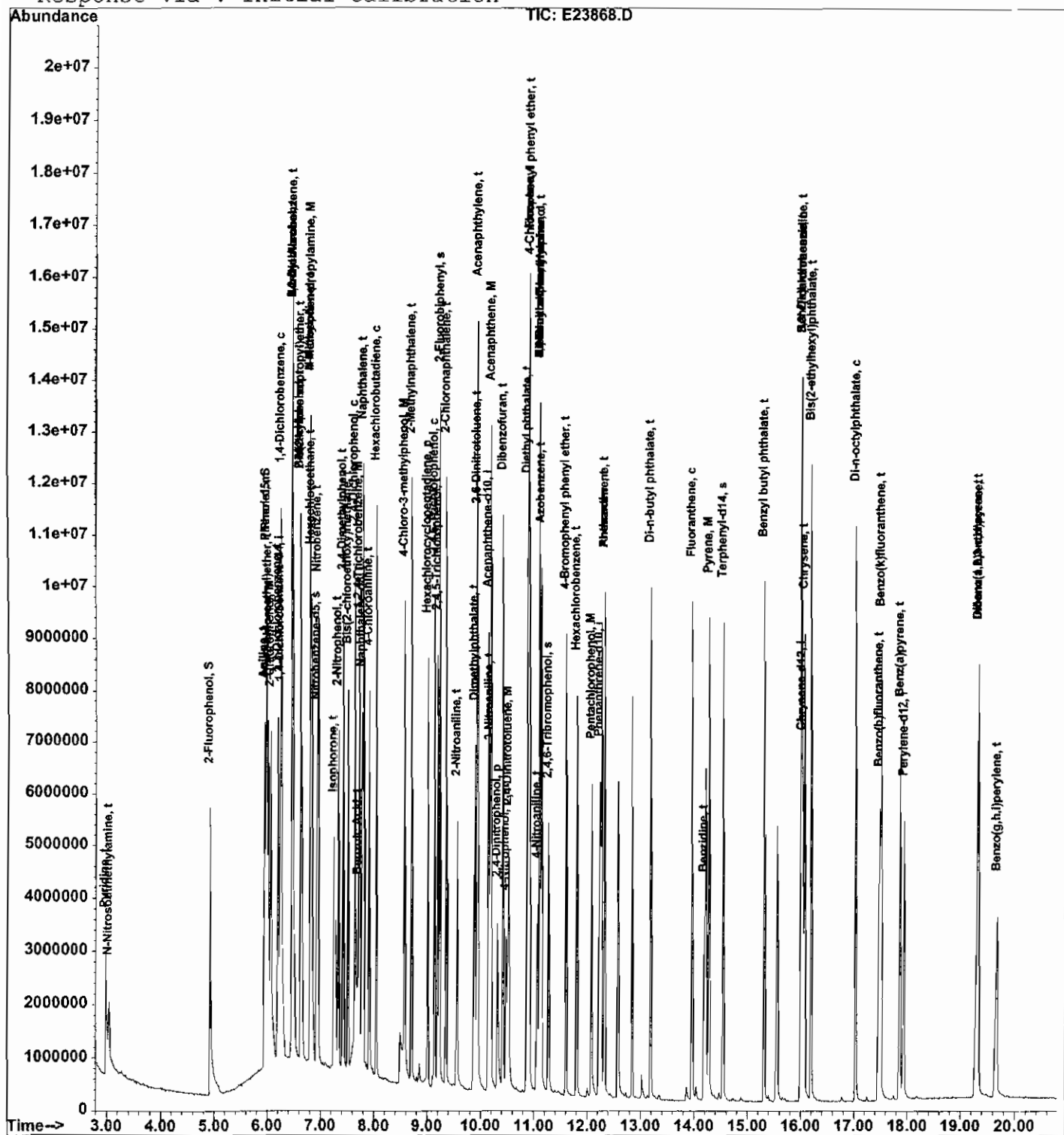
Quant Results File: BNA2-13.RES

Method : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)

Title : Semivolatiles by GC/MS - EPA Method 625/8270

Last Update : Fri Apr 13 09:29:39 2001

Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\E23868.D Vial: 7
 Acq On : 12 Apr 2001 4:35 pm Operator: RB
 Sample : 50ppm BNA CAL CHECK STD W\ CROMPTON STD Inst : BNA NO 2
 Misc : QBSV2041201A Multiplr: 1.00
 MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\BNA2UNI5.M (RTE Integrator)
 Title : Special Semi-Vol List for Crompton mfg. 3/27/01
 Last Update : Fri Apr 13 09:52:29 2001
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 25% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 250%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 i	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	84	-0.01
2 i	Naphthalene-d8	1.000	1.000	0.0	89	-0.01
3	Resorcinol	0.335	0.345	-3.0	88	-0.08
4 i	Acenaphthene-d10	1.000	1.000	0.0	90	-0.01
5 i	Phenanthrene-d10	1.000	1.000	0.0	88	-0.02
6	p,p'-Methylenedianiline (MD	0.302	0.325	-7.6	102	-0.02
7	Propargite	0.215	0.223	-3.7	89	-0.01
8 i	Chrysene-d12	1.000	1.000	0.0	87	-0.02
9 i	Perylene-d12	1.000	1.000	0.0	89	-0.02

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E23868.D Vial: 7
Acq On : 12 Apr 2001 4:35 pm Operator: RB
Sample : 50ppm BNA CAL CHECK STD W\ CROMPTON STD Inst : BNA NO 2
Misc : QBSV2041201A Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:18 19101 Quant Results File: BNA2UNI5.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2UNI5.M (RTE Integrator)
Title : Special Semi-Vol List for Crompton mfg. 3/27/01
Last Update : Fri Apr 13 09:52:29 2001
Response via : Initial Calibration
DataAcq Meth : BNA2-12

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.25	152	1324533	40.00	ug/mL	-0.01
2) Naphthalene-d8	7.78	136	4135228	40.00	ug/mL	-0.01
4) Acenaphthene-d10	10.15	164	2725784	40.00	ug/mL	-0.01
5) Phenanthrene-d10	12.24	188	4431605	40.00	ug/mL	-0.02
8) Chrysene-d12	16.05	240	3639499	40.00	ug/mL	-0.02
9) Perylene-d12	17.95	264	3185783	40.00	ug/mL	-0.02

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Resorcinol	8.50	110	1784139m	41.22	ug/mL	
6) p,p'-Methylenedianiline (M	14.23	198	1798337m	43.06	ug/mL	
7) Propargite	15.56	135	1233480m	41.40	ug/mL	

Quantitation Report

Data File : C:\HPCHEM\1\DATA\E23868.D

Vial: 7

Acq On : 12 Apr 2001 4:35 pm

Operator: RB

Sample : 50ppm BNA CAL CHECK STD W\ CROMPTON STD

Inst : BNA NO 2

Misc : QBSV2041201A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Apr 13 10:18 19101

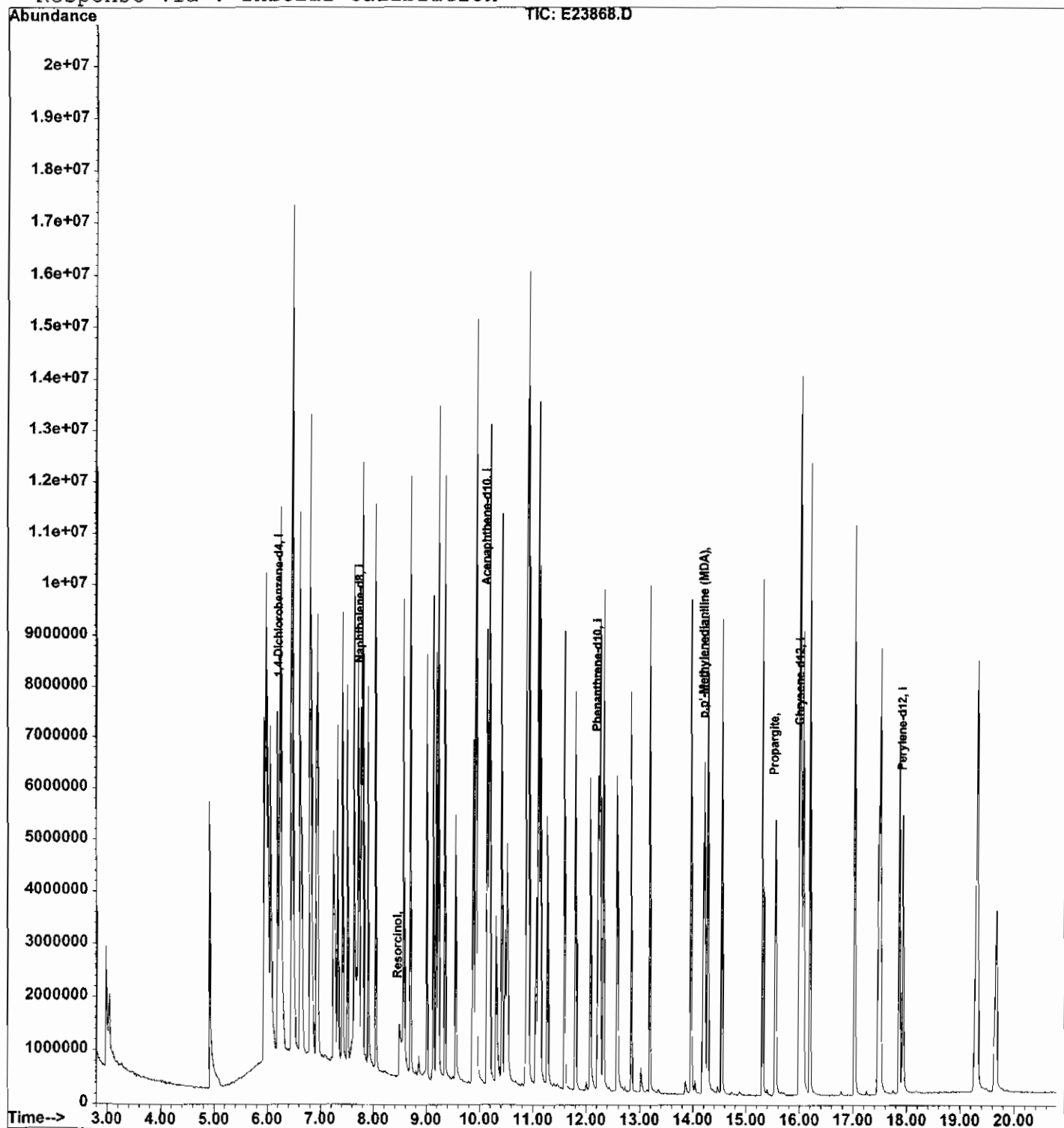
Quant Results File: BNA2UNI5.RES

Method : C:\HPCHEM\1\METHODS\BNA2UNI5.M (RTE Integrator)

Title : Special Semi-Vol List for Crompton mfg. 3/27/01

Last Update : Fri Apr 13 09:52:29 2001

Response via : Initial Calibration



DFTPP

Data File : C:\HPCHEM\1\DATA\E23892.D

Acq On : 13 Apr 2001 4:33 am

Sample : 50ppm BNA CAL CHECK STD

Misc : QBSV2041201B

MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)

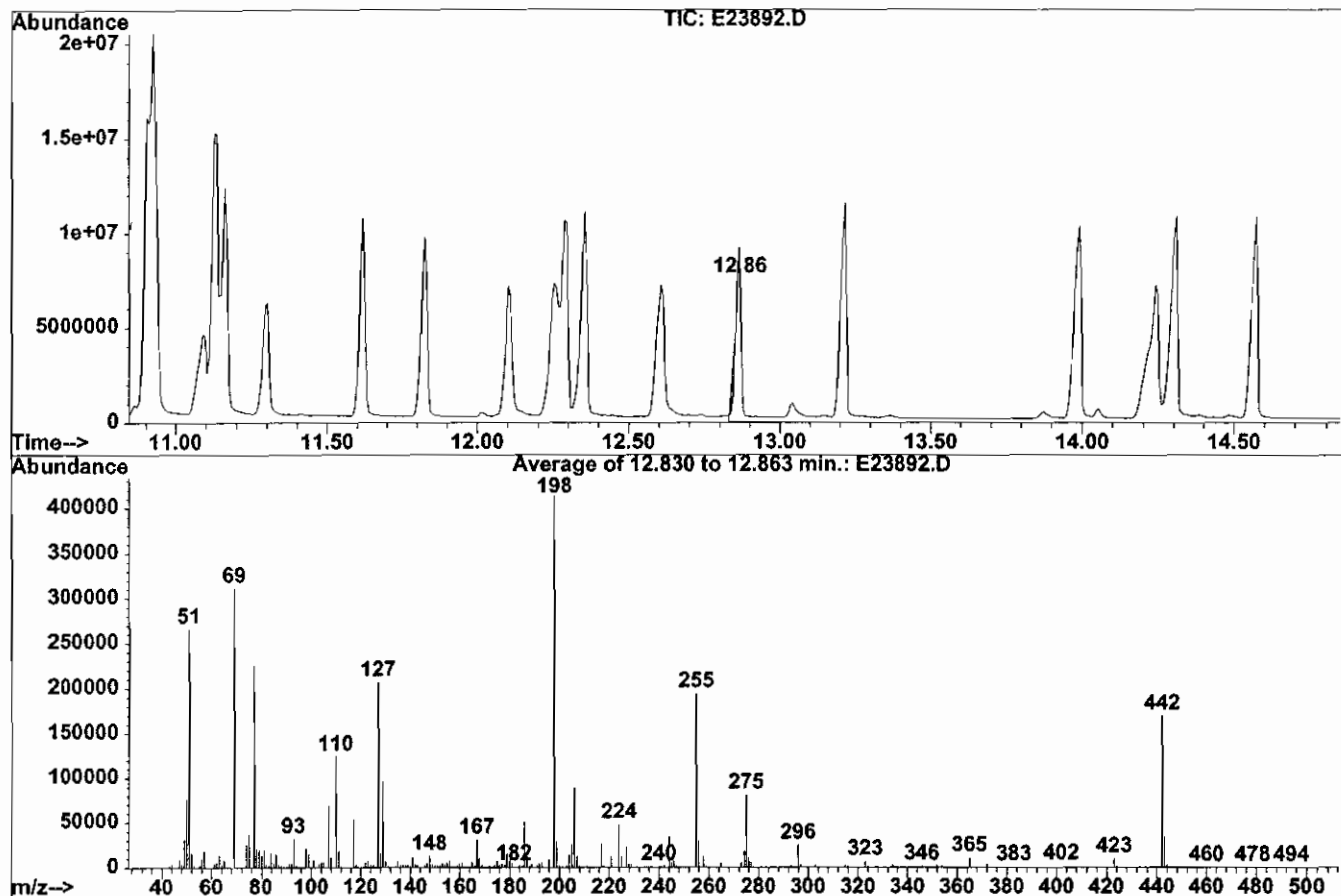
Title : Semivolatiles by GC/MS - EPA Method 625/8270

Vial: 7

Operator: RB

Inst : BNA NO 2

Multiplr: 1.00



Spectrum Information: Average of 12.830 to 12.863 min.

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
51	198	15	75	64.4	266408	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	75.3	311478	PASS
70	69	0.00	2	0.1	185	PASS
127	198	20	60	50.1	207027	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	413608	PASS
199	198	5	9	7.0	28812	PASS
275	198	10	30	19.6	81261	PASS
365	198	0.75	100	2.6	10885	PASS
441	443	0.01	100	2.2	776	PASS
442	198	30	110	41.1	170092	PASS
443	442	17	23	20.5	34813	PASS

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\E23892.D
 Acq On : 13 Apr 2001 4:33 am
 Sample : 50ppm BNA CAL CHECK STD
 Misc : QBSV2041201B
 MS Integration Params: rteint.p

Vial: 7
 Operator: RB
 Inst : BNA NO 2
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)
 Title : Semivolatiles by GC/MS - EPA Method 625/8270
 Last Update : Fri Apr 13 09:29:39 2001
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 25% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 250%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 i	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	104	0.01
2 t	N-Nitrosodimethylamine	0.826	0.869	-5.2	109	0.01
3 t	Pyridine	1.512	1.309	13.4	93	0.00
4 S	2-Fluorophenol	1.377	1.421	-3.2	104	0.01
5 S	Phenol-d5	1.883	1.897	-0.7	106	0.01
6 t	Aniline	2.102	2.466	-17.3	118	0.01
7 m	Phenol	2.060	2.038	1.1	107	0.01
8 t	Bis(2-chloroethyl)ether	1.842	1.890	-2.6	111	0.00
9 M	2-Chlorophenol	1.418	1.453	-2.5	105	0.01
10 t	1,3-Dichlorobenzene	1.465	1.430	2.4	101	0.00
11 c	1,4-Dichlorobenzene	1.718	1.770	-3.0#	109	0.01
12 t	Benzyl Alcohol	0.902	0.926	-2.7	107	0.01
13 t	1,2-Dichlorobenzene	1.493	1.543	-3.3	106	0.01
14 t	2-Methylphenol	1.239	1.233	0.5	103	0.01
15 t	Bis(2-chloroisopropyl)ether	1.157	1.138	1.6	104	0.03
16 M	N-Nitrosodi-n-propylamine	1.243	1.253	-0.8	104	0.01
17 t	4-Methylphenol	1.545	1.584	-2.5	105	0.00
18 t	Hexachloroethane	0.776	0.794	-2.3	106	0.00
19 s	Nitrobenzene-d5	1.864	1.965	-5.4	107	0.01
20 t	Nitrobenzene	1.812	1.885	-4.0	105	0.00
21 i	Naphthalene-d8	1.000	1.000	0.0	108	0.01
22 t	Isophorone	1.088	1.104	-1.5	106	0.00
23 t	2-Nitrophenol	0.262	0.252	3.8	107	0.01
24 t	2,4-Dimethylphenol	0.346	0.351	-1.4	109	0.01
25 t	Bis(2-chloroethoxy)methane	0.532	0.547	-2.8	106	0.01
26 t	Benzoic Acid	0.360	0.343	4.7	106	0.02
27 c	2,4-Dichlorophenol	0.379	0.375	1.1#	106	0.00
28 M	1,2,4-Trichlorobenzene	0.450	0.457	-1.6	108	0.00
29 t	Naphthalene	0.999	1.109	-11.0	107	0.01
30 t	4-Chloroaniline	0.451	0.459	-1.8	107	0.01
31 c	Hexachlorobutadiene	0.279	0.291	-4.3#	106	0.00
32 M	4-Chloro-3-methylphenol	0.441	0.454	-2.9	107	0.00
33 t	2-Methylnaphthalene	0.752	0.770	-2.4	106	0.01
34 p	Hexachlorocyclopentadiene	0.259	0.219	15.4	92	0.00
35 i	Acenaphthene-d10	1.000	1.000	0.0	109	0.01
36 c	2,4,6-Trichlorophenol	0.477	0.456	4.4#	107	0.00
37 t	2,4,5-Trichlorophenol	0.509	0.480	5.7	106	0.00
38 s	2-Fluorobiphenyl	1.364	1.320	3.2	105	0.01
39 t	2-Chloronaphthalene	1.137	1.125	1.1	107	0.01

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\E23892.D Vial: 7
 Acq On : 13 Apr 2001 4:33 am Operator: RB
 Sample : 50ppm BNA CAL CHECK STD Inst : BNA NO 2
 Misc : QBSV2041201B Multiplr: 1.00
 MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)
 Title : Semivolatiles by GC/MS - EPA Method 625/8270
 Last Update : Fri Apr 13 09:29:39 2001
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 25% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 250%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
40 t	2-Nitroaniline	0.400	0.386	3.5	104	0.00
41 t	Dimethylphthalate	1.425	1.430	-0.4	105	0.01
42 t	2,6-Dinitrotoluene	0.371	0.344	7.3	103	0.01
43 t	Acenaphthylene	1.708	1.686	1.3	102	0.00
44 t	3-Nitroaniline	0.304	0.295	3.0	109	0.02
45 M	Acenaphthene	1.091	1.064	2.5	108	0.01
46 p	2,4-Dinitrophenol	0.246	0.205	16.7	96	0.02
47 t	Dibenzofuran	1.586	1.598	-0.8	108	0.01
48 M	2,4-Dinitrotoluene	0.470	0.454	3.4	106	0.02
49 p,m	4-Nitrophenol	0.430	0.364	15.3	95	0.02
50 t	Diethyl phthalate	1.433	1.481	-3.3	107	0.01
51 t	Fluorene	1.389	1.399	-0.7	106	0.01
2 t	4-Chlorophenyl phenyl ether	0.685	0.715	-4.4	107	0.01
3 t	4-Nitroaniline	0.293	0.269	8.2	102	0.01
54 t	4,6-Dinitro-2-methylphenol	0.318	0.288	9.4	99	0.02
55 t	Diphenylamine	0.886	0.885	0.1	107	0.00
56 c	N-Nitrosodiphenylamine	0.313	0.315	-0.6	108	0.00
57 i	Phenanthrene-d10	1.000	1.000	0.0	107	0.01
58 t	Azobenzene	1.099	1.112	-1.2	105	0.01
59 s	2,4,6-Tribromophenol	0.139	0.133	4.3	105	0.01
60 t	4-Bromophenyl phenyl ether	0.241	0.236	2.1	107	0.01
61 t	Hexachlorobenzene	0.117	0.112	4.3	103	0.01
62 M	Pentachlorophenol	0.188	0.173	8.0	108	0.01
63 t	Phenanthrene	1.012	1.015	-0.3	111	-0.05
64 t	Anthracene	0.940	0.973	-3.5	106	0.01
65 t	Di-n-butyl phthalate	1.105	1.170	-5.9	106	0.01
66 c	Fluoranthene	1.011	1.018	-0.7#	107	0.01
67 t	Benzidine	0.393	0.360	8.4	105	0.01
68 M	Pyrene	0.991	0.979	1.2	107	0.01
69 i	Chrysene-d12	1.000	1.000	0.0	109	0.01
70 s	Terphenyl-d14	0.899	0.908	-1.0	106	0.01
71 t	Benzyl butyl phthalate	0.702	0.694	1.1	104	0.01
72 t	Bis(2-ethylhexyl)phthalate	0.890	0.919	-3.3	106	0.01
73 t	Benz(a)anthracene	1.111	1.139	-2.5	107	0.01
74 t	3,3'-Dichlorobenzidine	0.461	0.486	-5.4	108	0.01
75 t	Chrysene	1.002	1.054	-5.2	108	0.01
5 c	Di-n-octylphthalate	1.428	1.611	-12.8#	108	0.01
77 i	Perylene-d12	1.000	1.000	0.0	108	0.02

(#) = Out of Range

E23892.D BNA2-13.M

Fri Apr 13 10:25:37 2001

000338

Page 2

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\E23892.D Vial: 7
 Acq On : 13 Apr 2001 4:33 am Operator: RB
 Sample : 50ppm BNA CAL CHECK STD Inst : BNA NO 2
 Misc : QBSV2041201B Multiplr: 1.00
 MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)
 Title : Semivolatiles by GC/MS - EPA Method 625/8270
 Last Update : Fri Apr 13 09:29:39 2001
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 25% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 250%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
78 t	Benzo(b)fluoranthene	1.702	1.542	9.4	116	0.02
79 t	Benzo(k)fluoranthene	1.330	1.279	3.8	97	0.02
80 t	Benz(a)pyrene	1.240	1.217	1.9	105	0.02
81 t	Indeno(1,2,3-c,d)pyrene	1.385	1.163	16.0	90	0.01
82 t	Dibenz(a,h)anthracene	1.248	1.068	14.4	93	0.01
83 t	Benzo(g,h,i)perylene	1.068	0.854	20.0#	87	0.01

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E23892.D
 Acq On : 13 Apr 2001 4:33 am
 Sample : 50ppm BNA CAL CHECK STD
 Misc : QBSV2041201B
 MS Integration Params: rteint.p
 Quant Time: Apr 13 10:25 19101

Vial: 7
 Operator: RB
 Inst : BNA NO 2
 Multiplr: 1.00

Quant Results File: BNA2-13.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)
 Title : Semivolatiles by GC/MS - EPA Method 625/8270
 Last Update : Fri Apr 13 09:29:39 2001
 Response via : Initial Calibration
 DataAcq Meth : BNA2-12

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.26	152	1633097	40.00	ug/mL	0.00
21) Naphthalene-d8	7.80	136	5016707	40.00	ug/mL	0.00
35) Acenaphthene-d10	10.16	164	3309927	40.00	ug/mL	0.00
57) Phenanthrene-d10	12.25	188	5432407	40.00	ug/mL	0.00
69) Chrysene-d12	16.06	240	4539112	40.00	ug/mL	0.00
77) Perylene-d12	17.96	264	3852606	40.00	ug/mL	0.00

System Monitoring Compounds

4) 2-Fluorophenol	4.94	112	2899921	41.27	ug/mL	0.00
Spiked Amount	200.000	Range	21 - 100	Recovery	=	20.64%#
5) Phenol-d5	6.00	99	3872887	40.29	ug/mL	0.00
Spiked Amount	200.000	Range	10 - 100	Recovery	=	20.15%
19) Nitrobenzene-d5	6.95	82	4011266	42.16	ug/mL	0.00
Spiked Amount	100.000	Range	35 - 114	Recovery	=	42.16%
38) 2-Fluorobiphenyl	9.26	172	5460992	38.69	ug/mL	0.00
Spiked Amount	100.000	Range	43 - 116	Recovery	=	38.69%#
59) 2,4,6-Tribromophenol	11.30	330	904956	38.27	ug/mL	0.00
Spiked Amount	200.000	Range	10 - 123	Recovery	=	19.14%
70) Terphenyl-d14	14.57	244	5149223	40.39	ug/mL	0.00
Spiked Amount	100.000	Range	33 - 141	Recovery	=	40.39%

Target Compounds

					Qvalue
2) N-Nitrosodimethylamine	3.06	74	1773385m	42.05	ug/mL
3) Pyridine	2.98	79	2672497m	34.64	ug/mL
6) Aniline	5.96	93	5034362	46.92	ug/mL# 65
7) Phenol	6.01	94	4160685	39.57	ug/mL 97
8) Bis(2-chloroethyl)ether	6.03	93	3858054	41.03	ug/mL 94
9) 2-Chlorophenol	6.08	128	2966212	40.99	ug/mL 97
10) 1,3-Dichlorobenzene	6.21	146	2920070	39.04	ug/mL 98
11) 1,4-Dichlorobenzene	6.28	146	3613340	41.22	ug/mL 93
12) Benzyl Alcohol	6.49	108	1890463	41.05	ug/mL# 58
13) 1,2-Dichlorobenzene	6.49	146	3149466	41.32	ug/mL# 71
14) 2-Methylphenol	6.64	107	2516276	39.80	ug/mL# 72
15) Bis(2-chloroisopropyl)ethe	6.66	45	2322247	39.34	ug/mL# 23
16) N-Nitrosodi-n-propylamine	6.84	70	2557671	40.31	ug/mL# 100
17) 4-Methylphenol	6.82	107	3233899	41.01	ug/mL 99
18) Hexachloroethane	6.84	117	1620941	40.92	ug/mL 97
20) Nitrobenzene	6.97	77	3847836	41.61	ug/mL# 1
22) Isophorone	7.27	82	6920835	40.56	ug/mL 99
23) 2-Nitrophenol	7.35	139	1582076	38.52	ug/mL 98
24) 2,4-Dimethylphenol	7.44	122	2198269	40.53	ug/mL 98

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

E23892.D BNA2-13.M Fri Apr 13 10:25:45 2001

000340

Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E23892.D
 Acq On : 13 Apr 2001 4:33 am
 Sample : 50ppm BNA CAL CHECK STD
 Misc : QBSV2041201B
 MS Integration Params: rteint.p
 Quant Time: Apr 13 10:25 19101

Vial: 7
 Operator: RB
 Inst : BNA NO 2
 Multiplr: 1.00

Quant Results File: BNA2-13.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)
 Title : Semivolatiles by GC/MS - EPA Method 625/8270
 Last Update : Fri Apr 13 09:29:39 2001
 Response via : Initial Calibration
 DataAcq Meth : BNA2-12

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
25) Bis(2-chloroethoxy)methane	7.54	93	3428940	41.08	ug/mL	100
26) Benzoic Acid	7.73	105	2151293	38.07	ug/mL	98
27) 2,4-Dichlorophenol	7.66	162	2352448	39.59	ug/mL	98
28) 1,2,4-Trichlorobenzene	7.74	180	2866979	40.63	ug/mL	99
29) Naphthalene	7.82	128	6951288	44.38	ug/mL	99
30) 4-Chloroaniline	7.93	127	2877714	40.73	ug/mL	98
31) Hexachlorobutadiene	8.06	225	1823039	41.63	ug/mL	99
32) 4-Chloro-3-methylphenol	8.59	107	2849644	41.19	ug/mL	100
33) 2-Methylnaphthalene	8.72	142	4826601	40.93	ug/mL	100
34) Hexachlorocyclopentadiene	9.03	237	1370279	33.72	ug/mL	99
36) 2,4,6-Trichlorophenol	9.15	196	1886585	38.20	ug/mL	100
37) 2,4,5-Trichlorophenol	9.21	196	1987887	37.74	ug/mL	99
39) 2-Chloronaphthalene	9.38	162	4655730	39.60	ug/mL	99
40) 2-Nitroaniline	9.58	138	1597259	38.59	ug/mL	99
41) Dimethylphthalate	9.91	163	5914879	40.13	ug/mL	99
42) 2,6-Dinitrotoluene	9.97	165	1422572	37.07	ug/mL	98
43) Acenaphthylene	9.95	152	6973857	39.46	ug/mL	99
44) 3-Nitroaniline	10.20	138	1221382	38.84	ug/mL	97
45) Acenaphthene	10.22	154	4400184	39.00	ug/mL	99
46) 2,4-Dinitrophenol	10.34	184	847649	33.30	ug/mL	96
47) Dibenzofuran	10.44	168	6611428	40.30	ug/mL	99
48) 2,4-Dinitrotoluene	10.55	165	1878267	38.65	ug/mL	97
49) 4-Nitrophenol	10.50	65	1507033	33.89	ug/mL#	19
50) Diethyl phthalate	10.90	149	6126519	41.35	ug/mL	100
51) Fluorene	10.92	166	5788814	40.30	ug/mL	99
52) 4-Chlorophenyl phenyl ethe	10.94	204	2957815	41.75	ug/mL	99
53) 4-Nitroaniline	11.09	138	1111617	36.66	ug/mL	94
54) 4,6-Dinitro-2-methylphenol	11.14	198	1193192	36.24	ug/mL	96
55) Diphenylamine	11.13	169	3663251	39.98	ug/mL	100
56) N-Nitrosodiphenylamine	11.13	167	1303338	40.29	ug/mL	98
58) Azobenzene	11.16	77	7552325	40.49	ug/mL	99
60) 4-Bromophenyl phenyl ether	11.62	248	1600009	39.11	ug/mL	99
61) Hexachlorobenzene	11.82	142	758142	38.32	ug/mL	95
62) Pentachlorophenol	12.11	266	1174242	36.71	ug/mL	97
63) Phenanthrene	12.29	178	6892621	40.12	ug/mL	99
64) Anthracene	12.35	178	6605626	41.40	ug/mL#	100
65) Di-n-butyl phthalate	13.21	149	7947686	42.35	ug/mL	99
66) Fluoranthene	13.99	202	6912798	40.27	ug/mL#	97
67) Benzidine	14.21	184	2447247	36.70	ug/mL	99
68) Pyrene	14.30	202	6645695	39.52	ug/mL	99
71) Benzyl butyl phthalate	15.34	149	3939943	39.59	ug/mL	99

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E23892.D
Acq On : 13 Apr 2001 4:33 am
Sample : 50ppm BNA CAL CHECK STD
Misc : QBSV2041201B
MS Integration Params: rteint.p
Quant Time: Apr 13 10:25 19101

Vial: 7
Operator: RB
Inst : BNA NO 2
Multiplr: 1.00

Quant Results File: BNA2-13.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Fri Apr 13 09:29:39 2001
Response via : Initial Calibration
DataAcq Meth : BNA2-12

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
72) Bis(2-ethylhexyl)phthalate	16.22	149	5214651	41.32	ug/mL	99
73) Benz(a)anthracene	16.02	228	6461642	40.99	ug/mL	99
74) 3,3'-Dichlorobenzidine	16.04	252	2755114	42.17	ug/mL	99
75) Chrysene	16.10	228	5981874	42.09	ug/mL#	99
76) Di-n-octylphthalate	17.05	149	9143087	45.13	ug/mL	99
78) Benzo(b)fluoranthene	17.51	252	7423940m	36.23	ug/mL	
79) Benzo(k)fluoranthene	17.54	252	6159576m	38.47	ug/mL	
80) Benz(a)pyrene	17.90	252	5860236	39.26	ug/mL	99
81) Indeno(1,2,3-c,d)pyrene	19.35	276	5599729	33.58	ug/mL#	99
82) Dibenz(a,h)anthracene	19.35	278	5145502	34.24	ug/mL	100
83) Benzo(g,h,i)perylene	19.70	276	4113631	31.98	ug/mL	99

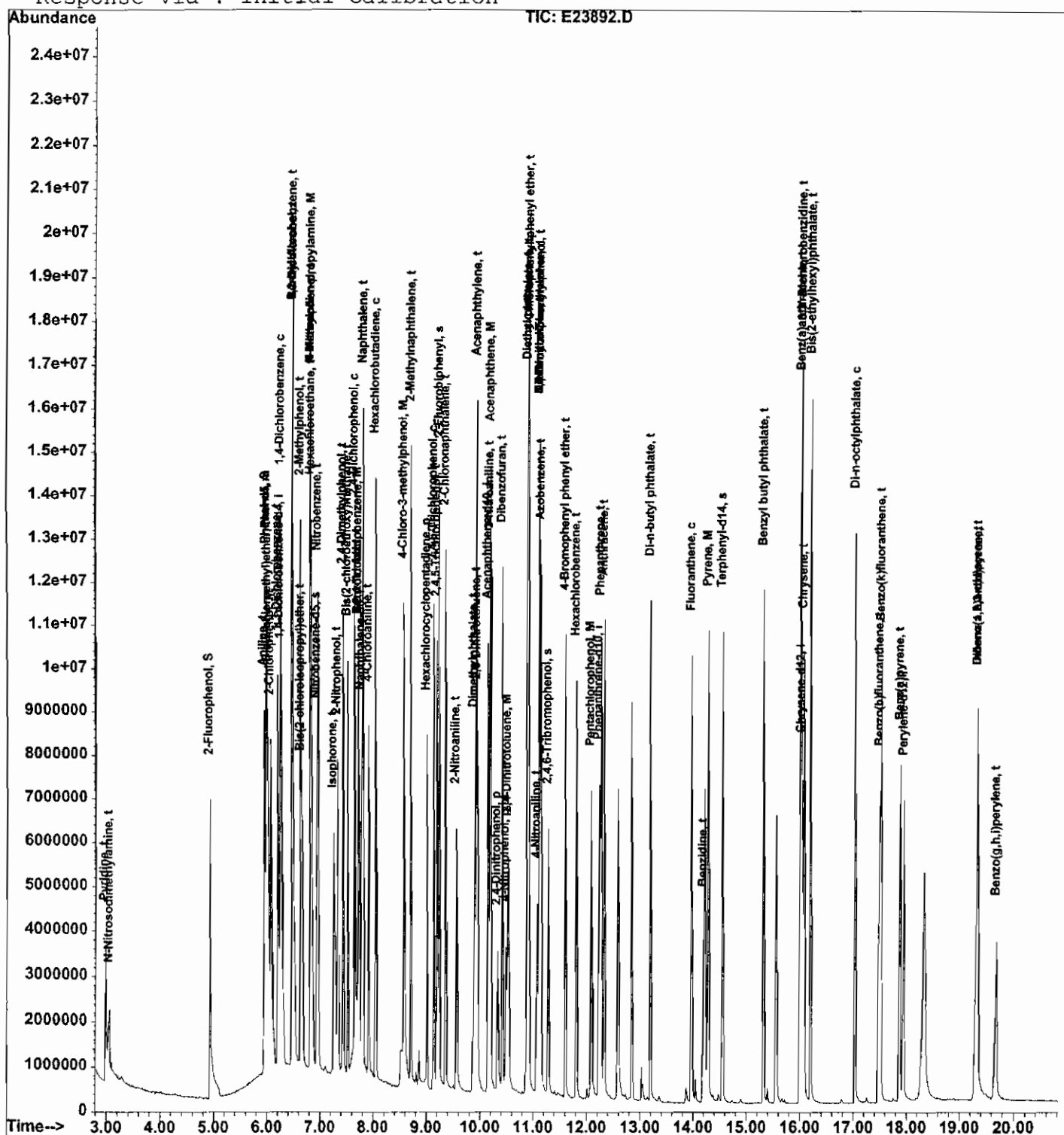
Quantitation Report

Data File : C:\HPCHEM\1\DATA\E23892.D
Acq On : 13 Apr 2001 4:33 am
Sample : 50ppm BNA CAL CHECK STD
Misc : QBSV2041201B
MS Integration Params: rteint.p
Quant Time: Apr 13 10:25 19101

Vial: 7
Operator: RB
Inst : BNA NO 2
Multiplr: 1.00

Quant Results File: BNA2-13.RES

```
Method      : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)
Title       : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Fri Apr 13 10:20:22 2001
Response via : Initial Calibration
```



DFTPP

Data File : C:\HPCHEM\1\DATA\E23862.D

Vial: 1

Acq On : 12 Apr 2001 1:35 pm

Operator: RB

Sample : 20 ppm BNA CAL STD

Inst : BNA NO 2

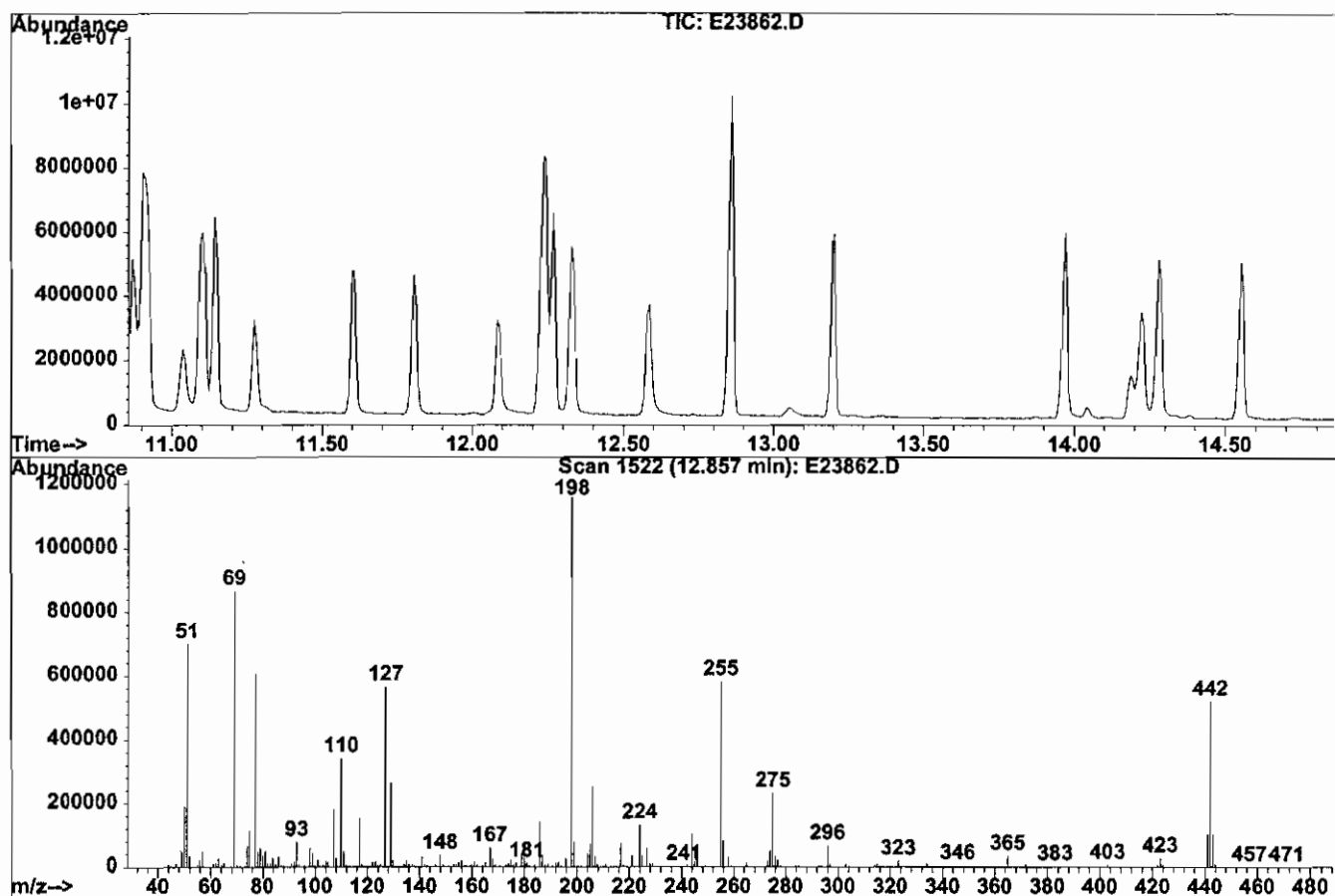
Misc : QBSV2041201A

Multiplr: 1.00

MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\BNA2-12.M (RTE Integrator)

Title : Semivolatiles by GC/MS - EPA Method 625/8270



Spectrum Information: Scan 1522

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	15	75	60.6	700928	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	75.0	866880	PASS
70	69	0.00	2	0.5	4242	PASS
127	198	20	60	48.9	565824	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	1156608	PASS
199	198	5	9	6.8	79216	PASS
275	198	10	30	20.1	232192	PASS
365	198	0.75	100	3.0	35080	PASS
441	443	0.01	100	94.4	97168	PASS
442	198	30	110	45.0	520832	PASS
443	442	17	23	19.8	102904	PASS

Response Factor Report BNA NO 2

Method : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)
 Title : Semivolatiles by GC/MS - EPA Method 625/8270
 Last Update : Fri Apr 13 09:29:39 2001
 Response via : Initial Calibration

Calibration Files

20 =E23862.D 50 =E23863.D 80 =E23864.D
 100 =E23865.D 120 =E23866.D 140 =E23867.D

	Compound	20	50	80	100	120	140	Avg	%RSD
1) i	1,4-Dichlorobenzene-d	-----ISTD-----							
2) t	N-Nitrosodimethylam	0.786	0.832	0.841	0.835	0.850	0.814	0.826	2.82
3) t	Pyridine	1.313	1.465	1.559	1.641	1.531	1.562	1.512	7.46
4) s	2-Fluorophenol	1.406	1.420	1.407	1.368	1.343	1.315	1.377	3.02
5) s	Phenol-d5	1.980	1.861	1.882	1.857	1.881	1.839	1.883	2.64
6) t	Aniline	2.517	2.178	2.114	1.998	1.974	1.833	2.102	11.21
7) m	Phenol	2.158	1.988	2.014	2.089	2.073	2.040	2.060	2.93
8) t	Bis(2-chloroethyl)e	1.862	1.775	1.845	1.826	1.855	1.892	1.842	2.15
9) M	2-Chlorophenol	1.484	1.433	1.426	1.398	1.394	1.374	1.418	2.74
10) t	1,3-Dichlorobenzene	1.751	1.467	1.421	1.407	1.414	1.332	1.465	9.99
11) c	1,4-Dichlorobenzene	1.784	1.686	1.747	1.720	1.662	1.708	1.718	2.52#
12) t	Benzyl Alcohol	0.903	0.904	0.916	0.900	0.902	0.889	0.902	0.95
13) t	1,2-Dichlorobenzene	1.512	1.514	1.540	1.497	1.453	1.444	1.493	2.50
14) t	2-Methylphenol	1.323	1.246	1.246	1.189	1.226	1.203	1.239	3.82
15) t	Bis(2-chloroisoprop	1.121	1.134	1.047	1.104	1.118	1.417	1.157	11.32
16) M	N-Nitrosodi-n-propy	1.370	1.255	1.250	1.194	1.231	1.160	1.243	5.78
17) t	4-Methylphenol	1.583	1.563	1.571	1.506	1.540	1.507	1.545	2.13
18) t	Hexachloroethane	0.824	0.779	0.791	0.767	0.752	0.744	0.776	3.75
19) s	Nitrobenzene-d5	2.134	1.907	1.875	1.789	1.764	1.717	1.864	8.03
20) t	Nitrobenzene	2.082	1.860	1.876	1.735	1.709	1.609	1.812	9.14
21) i	Naphthalene-d8	-----ISTD-----							
22) t	Isophorone	1.134	1.128	1.123	1.052	1.066	1.028	1.088	4.17
23) t	2-Nitrophenol	0.263	0.255	0.256	0.263	0.270	0.265	0.262	2.18
24) t	2,4-Dimethylphenol	0.347	0.348	0.355	0.341	0.345	0.341	0.346	1.57
25) t	Bis(2-chloroethoxy)	0.582	0.560	0.548	0.509	0.507	0.489	0.532	6.81
26) t	Benzoic Acid	0.316	0.350	0.371	0.359	0.387	0.379	0.360	7.03
27) c	2,4-Dichlorophenol	0.384	0.385	0.388	0.370	0.380	0.367	0.379	2.20#
28) M	1,2,4-Trichlorobenz	0.470	0.461	0.459	0.440	0.440	0.430	0.450	3.45
29) t	Naphthalene	1.189	1.119	1.056	0.923	0.850	0.858	0.999	14.27
30) t	4-Chloroaniline	0.443	0.463	0.464	0.447	0.450	0.436	0.451	2.44
31) c	Hexachlorobutadiene	0.307	0.298	0.292	0.269	0.260	0.251	0.279	8.09#
32) M	4-Chloro-3-methylph	0.458	0.461	0.452	0.423	0.432	0.421	0.441	4.12
33) t	2-Methylnaphthalene	0.766	0.785	0.779	0.739	0.740	0.704	0.752	4.04
34) p	Hexachlorocyclopent	0.239	0.257	0.270	0.257	0.278	0.255	0.259	5.22
35) i	Acenaphthene-d10	-----ISTD-----							
36) c	2,4,6-Trichlorophen	0.451	0.464	0.476	0.478	0.512	0.483	0.477	4.32#
37) t	2,4,5-Trichlorophen	0.523	0.493	0.510	0.505	0.521	0.504	0.509	2.22
38) s	2-Fluorobiphenyl	1.435	1.368	1.354	1.349	1.366	1.316	1.364	2.88
39) t	2-Chloronaphthalene	1.146	1.143	1.135	1.123	1.159	1.113	1.137	1.46
40) t	2-Nitroaniline	0.396	0.403	0.398	0.391	0.412	0.401	0.400	1.75
41) t	Dimethylphthalate	1.535	1.479	1.464	1.261	1.432	1.380	1.425	6.69

Quantitation Report

(QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E23869.D

Vial: 8

Acq On : 12 Apr 2001 5:05 pm

Operator: RB

Sample : BLK 4-11 BNA WATER A

Inst : BNA NO 2

Misc : QBSV2041201A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Aug 13 16:20 19101

Quant Results File: BNA2-13.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)

Title : Semivolatiles by GC/MS - EPA Method 625/8270

Last Update : Fri Apr 13 09:29:39 2001

Response via : Initial Calibration

DataAcq Meth : BNA2-12

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.25	152	1173325	40.00	ug/mL	0.00
21) Naphthalene-d8	7.78	136	3887393	40.00	ug/mL	-0.01
35) Acenaphthene-d10	10.15	164	2391159	40.00	ug/mL	-0.02
57) Phenanthrene-d10	12.22	188	3882698	40.00	ug/mL	-0.03
69) Chrysene-d12	16.03	240	3001620	40.00	ug/mL	-0.03
77) Perylene-d12	17.93	264	2634389	40.00	ug/mL	-0.03

System Monitoring Compounds

4) 2-Fluorophenol	4.93	112	3895877	77.17	ug/mL	-0.01
Spiked Amount	200.000	Range	21 - 100	Recovery	=	38.59%
5) Phenol-d5	5.97	99	4112550	59.55	ug/mL	-0.02
Spiked Amount	200.000	Range	10 - 100	Recovery	=	29.78%
19) Nitrobenzene-d5	6.93	82	4807668	70.33	ug/mL	-0.01
Spiked Amount	100.000	Range	35 - 114	Recovery	=	70.33%
38) 2-Fluorobiphenyl	9.24	172	4478338	43.92	ug/mL	-0.01
Spiked Amount	100.000	Range	43 - 116	Recovery	=	43.92%
59) 2,4,6-Tribromophenol	11.28	330	1951255	115.45	ug/mL	-0.02
Spiked Amount	200.000	Range	10 - 123	Recovery	=	57.73%
70) Terphenyl-d14	14.57	244	6269871	74.37	ug/mL	0.00
Spiked Amount	100.000	Range	33 - 141	Recovery	=	74.37%

Target Compounds

						Qvalue
22) Isophorone	6.93	82	4807668	36.36	ug/mL#	31
41) Dimethylphthalate	10.15	163	455045	4.27	ug/mL#	1
60) 4-Bromophenyl phenyl ether	11.28	248	106973	3.66	ug/mL#	1
67) Benzidine	14.56	184	110595	2.32	ug/mL#	1

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

E23869.D BNA2-13.M Mon Aug 13 16:20:47 2001

000346 Page 1

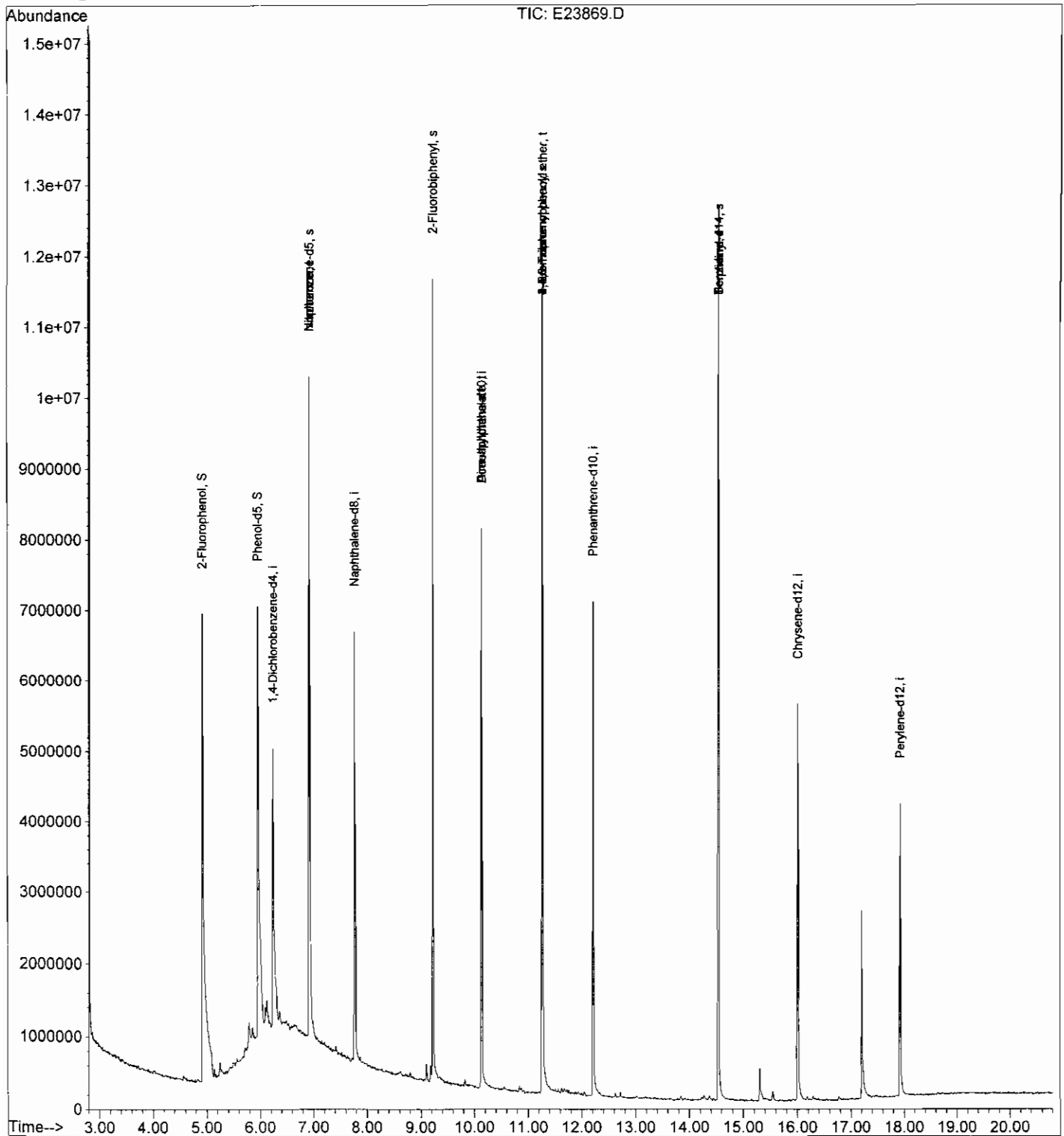
Quantitation Report

Data File : C:\HPCHEM\1\DATA\E23869.D
Acq On : 12 Apr 2001 5:05 pm
Sample : BLK 4-11 BNA WATER A
Misc : QBSV2041201A
MS Integration Params: rteint.p
Quant Time: Aug 13 16:20 19101

Vial: 8
Operator: RB
Inst : BNA NO 2
Multiplr: 1.00

Quant Results File: BNA2-13.RES

Method : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Fri Apr 13 09:29:39 2001
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\E23870.D

Vial: 9

Acq On : 12 Apr 2001 5:34 pm

Operator: RB

Sample : MS 4-11 BNA WATER A

Inst : BNA NO 2

Misc : QBSV2041201A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Apr 13 10:04 19101

Quant Results File: BNA2-13.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)

Title : Semivolatiles by GC/MS - EPA Method 625/8270

Last Update : Fri Apr 13 09:29:39 2001

Response via : Initial Calibration

DataAcq Meth : BNA2-12

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.25	152	1306326	40.00	ug/mL	0.00
21) Naphthalene-d8	7.78	136	4207297	40.00	ug/mL	-0.01
35) Acenaphthene-d10	10.15	164	2707032	40.00	ug/mL	-0.01
57) Phenanthrene-d10	12.24	188	4287838	40.00	ug/mL	-0.01
69) Chrysene-d12	16.03	240	3388422	40.00	ug/mL	-0.03
77) Perylene-d12	17.93	264	3087371	40.00	ug/mL	-0.03

System Monitoring Compounds

4) 2-Fluorophenol	4.92	112	4568051	81.27	ug/mL	-0.02
Spiked Amount	200.000	Range	21 - 100	Recovery	=	40.64%
5) Phenol-d5	5.98	99	5183090	67.41	ug/mL	-0.02
Spiked Amount	200.000	Range	10 - 100	Recovery	=	33.71%
19) Nitrobenzene-d5	6.94	82	5430766	71.36	ug/mL	0.00
Spiked Amount	100.000	Range	35 - 114	Recovery	=	71.36%
38) 2-Fluorobiphenyl	9.24	172	5432175	47.06	ug/mL	-0.01
Spiked Amount	100.000	Range	43 - 116	Recovery	=	47.06%
59) 2,4,6-Tribromophenol	11.29	330	2662540	142.65	ug/mL	-0.01
Spiked Amount	200.000	Range	10 - 123	Recovery	=	71.33%
70) Terphenyl-d14	14.57	244	7395723	77.71	ug/mL	0.00
Spiked Amount	100.000	Range	33 - 141	Recovery	=	77.71%

Target Compounds

						Qvalue
7) Phenol	6.00	94	5274553	62.71	ug/mL#	84
9) 2-Chlorophenol	6.07	128	5268596	91.02	ug/mL	94
10) 1,3-Dichlorobenzene	6.27	146	2508801	41.94	ug/mL	97
11) 1,4-Dichlorobenzene	6.27	146	2508801	35.78	ug/mL	92
16) N-Nitrosodi-n-propylamine	6.81	70	2399580	47.28	ug/mL#	100
22) Isophorone	6.94	82	5430766	37.95	ug/mL#	30
28) 1,2,4-Trichlorobenzene	7.73	180	2469362	41.73	ug/mL	100
32) 4-Chloro-3-methylphenol	8.59	107	5372055	92.60	ug/mL	94
33) 2-Methylnaphthalene	8.59	142	3907992	39.52	ug/mL#	17
41) Dimethylphthalate	10.15	163	524202	4.35	ug/mL#	1
43) Acenaphthylene	10.20	152	2033851	14.07	ug/mL#	1
45) Acenaphthene	10.20	154	4006780	43.43	ug/mL	99
48) 2,4-Dinitrotoluene	10.50	165	1896123	47.71	ug/mL	99
49) 4-Nitrophenol	10.47	65	2248698	61.83	ug/mL#	19
60) 4-Bromophenyl phenyl ether	11.29	248	142910	4.43	ug/mL#	1
62) Pentachlorophenol	12.09	266	2809762	111.29	ug/mL	99
66) Fluoranthene	14.29	202	8215929	60.64	ug/mL#	99
67) Benzidine	14.57	184	132971	2.53	ug/mL#	1
68) Pyrene	14.29	202	8215929	61.89	ug/mL#	88

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

E23870.D BNA2-13.M

Fri Apr 13 10:04:50 2001

000348

Page 1

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\E23870.D

Vial: 9

Acq On : 12 Apr 2001 5:34 pm

Operator: RB

Sample : MS 4-11 BNA WATER A

Inst : BNA NO 2

Misc : QBSV2041201A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Apr 13 10:04 19101

Quant Results File: BNA2-13.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)

Title : Semivolatiles by GC/MS - EPA Method 625/8270

Last Update : Fri Apr 13 09:29:39 2001

Response via : Initial Calibration

DataAcq Meth : BNA2-12

Compound

R.T. QIon

Response

Conc Unit

Qvalue

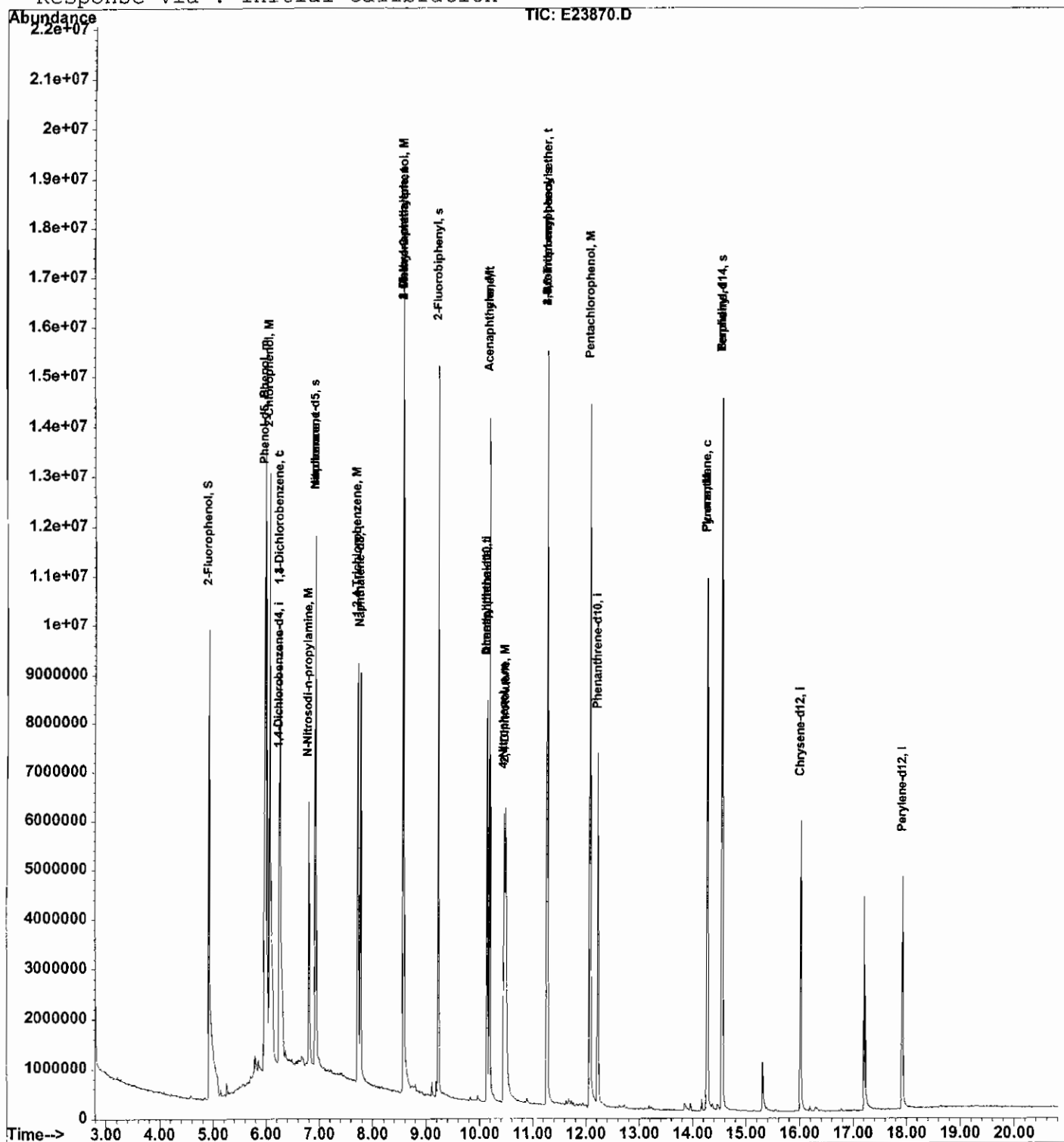
Quantitation Report

Data File : C:\HPCHEM\1\DATA\E23870.D
 Acq On : 12 Apr 2001 5:34 pm
 Sample : MS 4-11 BNA WATER A
 Misc : QBSV2041201A
 MS Integration Params: rteint.p
 Quant Time: Apr 13 10:04 19101

Vial: 9
 Operator: RB
 Inst : BNA NO 2
 Multiplr: 1.00

Quant Results File: BNA2-13.RES

Method : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)
 Title : Semivolatiles by GC/MS - EPA Method 625/8270
 Last Update : Fri Apr 13 09:29:39 2001
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\E23871.D

Vial: 10

Acq On : 12 Apr 2001 6:04 pm

Operator: RB

Sample : MSD 4-11 BNA WATER A

Inst : BNA NO 2

Misc : QBSV2041201A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Apr 13 10:05 19101

Quant Results File: BNA2-13.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)

Title : Semivolatiles by GC/MS - EPA Method 625/8270

Last Update : Fri Apr 13 09:29:39 2001

Response via : Initial Calibration

DataAcq Meth : BNA2-12

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.25	152	1426081	40.00	ug/mL	0.00
21) Naphthalene-d8	7.78	136	4545227	40.00	ug/mL	0.00
35) Acenaphthene-d10	10.15	164	3000583	40.00	ug/mL	-0.01
57) Phenanthrene-d10	12.24	188	4951725	40.00	ug/mL	-0.01
69) Chrysene-d12	16.03	240	3799671	40.00	ug/mL	-0.03
77) Perylene-d12	17.94	264	3362690	40.00	ug/mL	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	4.92	112	4749683	77.41	ug/mL	-0.01
Spiked Amount 200.000	Range 21 - 100		Recovery =	38.71%		
5) Phenol-d5	5.98	99	5103050	60.80	ug/mL	-0.01
Spiked Amount 200.000	Range 10 - 100		Recovery =	30.40%		
19) Nitrobenzene-d5	6.94	82	5658430	68.11	ug/mL	0.00
Spiked Amount 100.000	Range 35 - 114		Recovery =	68.11%		
38) 2-Fluorobiphenyl	9.24	172	5753865	44.97	ug/mL	0.00
Spiked Amount 100.000	Range 43 - 116		Recovery =	44.97%		
59) 2,4,6-Tribromophenol	11.29	330	3012639	139.76	ug/mL	-0.01
Spiked Amount 200.000	Range 10 - 123		Recovery =	69.88%		
70) Terphenyl-d14	14.57	244	8450305	79.18	ug/mL	0.00
Spiked Amount 100.000	Range 33 - 141		Recovery =	79.18%		

Target Compounds

						Qvalue
7) Phenol	6.00	94	4572268	49.80	ug/mL#	86
9) 2-Chlorophenol	6.07	128	5123309	81.08	ug/mL	93
10) 1,3-Dichlorobenzene	6.27	146	2742169	41.99	ug/mL	98
11) 1,4-Dichlorobenzene	6.27	146	2742169	35.82	ug/mL	91
16) N-Nitrosodi-n-propylamine	6.81	70	2547395	45.98	ug/mL#	96
22) Isophorone	6.94	82	5658430	36.60	ug/mL#	30
28) 1,2,4-Trichlorobenzene	7.73	180	2672922	41.81	ug/mL	99
32) 4-Chloro-3-methylphenol	8.58	107	5420742	86.49	ug/mL	94
33) 2-Methylnaphthalene	8.58	142	3936005	36.84	ug/mL#	17
41) Dimethylphthalate	10.15	163	601758	4.50	ug/mL#	1
43) Acenaphthylene	10.20	152	2298014	14.35	ug/mL#	1
45) Acenaphthene	10.20	154	4462542	43.63	ug/mL	99
48) 2,4-Dinitrotoluene	10.50	165	2218082	50.35	ug/mL	98
49) 4-Nitrophenol	10.47	65	2408113	59.74	ug/mL#	18
60) 4-Bromophenyl phenyl ether	11.29	248	167751	4.50	ug/mL#	1
62) Pentachlorophenol	12.10	266	3102453	106.40	ug/mL	99
66) Fluoranthene	14.30	202	10141639	64.82	ug/mL#	95
67) Benzidine	14.57	184	152919	2.52	ug/mL#	1
68) Pyrene	14.30	202	10158591	66.27	ug/mL	99

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\E23871.D Vial: 10
 Acq On : 12 Apr 2001 6:04 pm Operator: RB
 Sample : MSD 4-11 BNA WATER A Inst : BNA NO 2
 Misc : QBSV2041201A Multiplr: 1.00
 MS Integration Params: rteint.p
 Quant Time: Apr 13 10:05 19101 Quant Results File: BNA2-13.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)
 Title : Semivolatiles by GC/MS - EPA Method 625/8270
 Last Update : Fri Apr 13 09:29:39 2001
 Response via : Initial Calibration
 DataAcq Meth : BNA2-12

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue

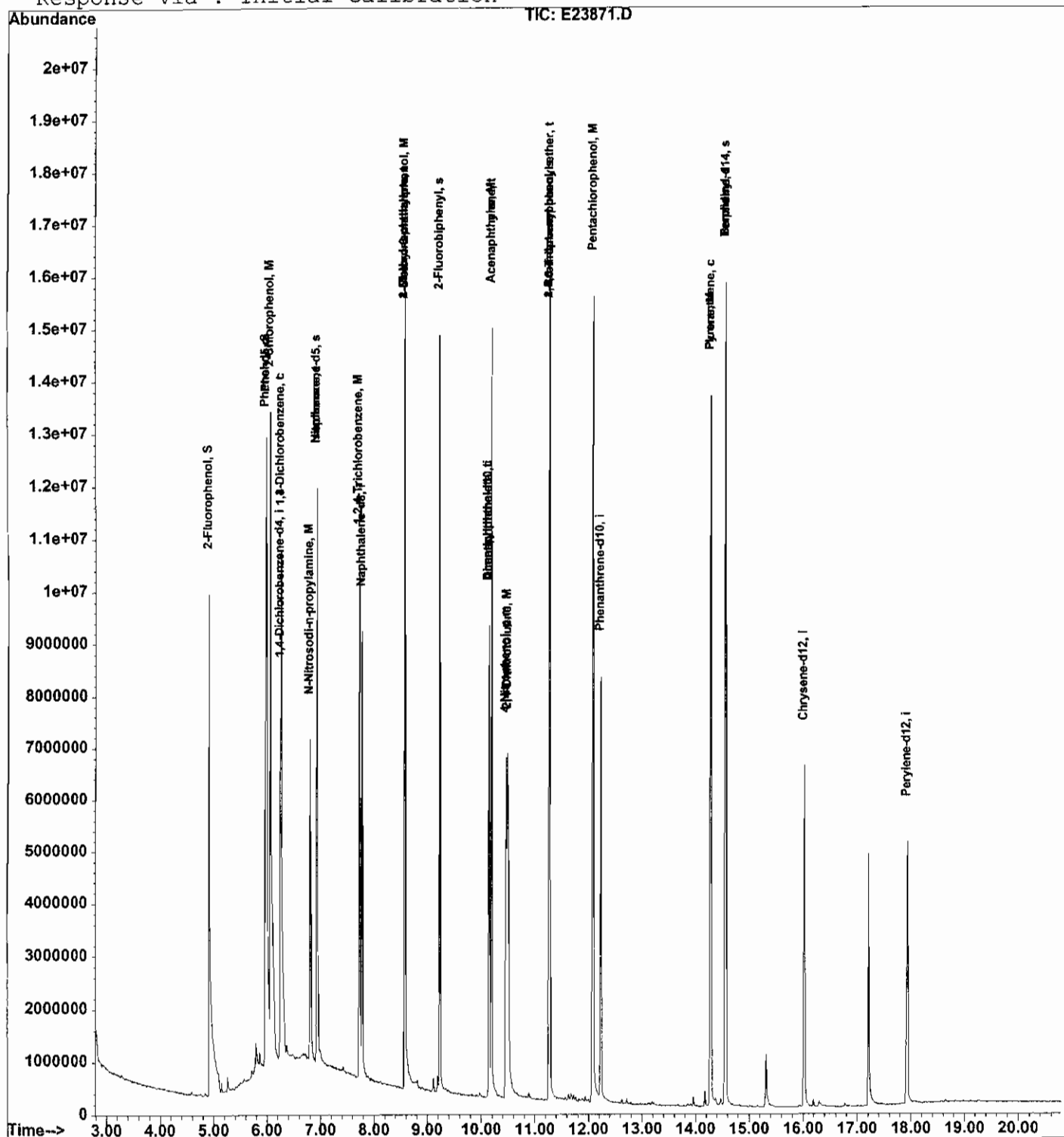
Quantitation Report

Data File : C:\HPCHEM\1\DATA\E23871.D
 Acq On : 12 Apr 2001 6:04 pm
 Sample : MSD 4-11 BNA WATER A
 Misc : QBSV2041201A
 MS Integration Params: rteint.p
 Quant Time: Apr 13 10:05 19101

Vial: 10
 Operator: RB
 Inst : BNA NO 2
 Multiplr: 1.00

Quant Results File: BNA2-13.RES

Method : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)
 Title : Semivolatiles by GC/MS - EPA Method 625/8270
 Last Update : Fri Apr 13 09:29:39 2001
 Response via : Initial Calibration



Quantitation Report

(QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E23872.D

Vial: 11

Acq On : 12 Apr 2001 6:34 pm

Operator: RB

Sample : BLK 4-10 BNA SOIL A

Inst : BNA NO 2

Misc : QBSV2041201A

Multiplr: 33.33

MS Integration Params: rteint.p

Quant Time: Aug 16 9:55 19101

Quant Results File: BNA2-13.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)

Title : Semivolatiles by GC/MS - EPA Method 625/8270

Last Update : Fri Apr 13 09:29:39 2001

Response via : Initial Calibration

DataAcq Meth : BNA2-12

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.26	152	1089829	40.00	ug/mL	0.00
21) Naphthalene-d8	7.78	136	3413534	40.00	ug/mL	-0.02
35) Acenaphthene-d10	10.15	164	2114216	40.00	ug/mL	-0.01
57) Phenanthrene-d10	12.23	188	3530079	40.00	ug/mL	-0.03
69) Chrysene-d12	16.03	240	3060732	40.00	ug/mL	-0.03
77) Perylene-d12	17.94	264	2643979	40.00	ug/mL	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.01	112	5648270	120.46	ug/mL	0.07
Spiked Amount	200.000	Range	21 - 100	Recovery	=	60.23%
5) Phenol-d5	6.02	99	7260727	113.19	ug/mL	0.03
Spiked Amount	200.000	Range	10 - 100	Recovery	=	56.60%
19) Nitrobenzene-d5	6.94	82	5827697	91.78	ug/mL	0.00
Spiked Amount	100.000	Range	35 - 114	Recovery	=	91.78%
38) 2-Fluorobiphenyl	9.24	172	5600767	62.13	ug/mL	0.00
Spiked Amount	100.000	Range	43 - 116	Recovery	=	62.13%
59) 2,4,6-Tribromophenol	11.29	330	2410653	156.87	ug/mL	-0.01
Spiked Amount	200.000	Range	10 - 123	Recovery	=	78.44%
70) Terphenyl-d14	14.56	244	7127504	82.91	ug/mL	0.00
Spiked Amount	100.000	Range	33 - 141	Recovery	=	82.91%

Target Compounds

						Qvalue
6) Aniline	5.97	93	13292	6.19	ug/mL#	11
7) Phenol	6.03	94	23186	11.01	ug/mL#	1
9) 2-Chlorophenol	6.11	128	10944	7.55	ug/mL#	1
10) 1,3-Dichlorobenzene	6.27	146	21972	14.67	ug/mL#	21
11) 1,4-Dichlorobenzene	6.27	146	21972	12.52	ug/mL#	4
15) Bis(2-chloroisopropyl)ethe	6.67	45	2860	2.42	ug/mL#	1
22) Isophorone	6.94	82	5827697	1672.95	ug/mL#	29
28) 1,2,4-Trichlorobenzene	7.73	180	4101	2.85	ug/mL#	90
29) Naphthalene	7.80	128	7853	2.46	ug/mL#	1
32) 4-Chloro-3-methylphenol	8.64	107	12823	9.08	ug/mL#	65
41) Dimethylphthalate	10.15	163	419622	148.54	ug/mL#	1
45) Acenaphthene	10.18	154	6144	2.84	ug/mL#	88
48) 2,4-Dinitrotoluene	10.52	165	2347	2.52	ug/mL#	91
51) Fluorene	11.28	166	93940	34.13	ug/mL#	78
54) 4,6-Dinitro-2-methylphenol	11.29	198	11437	18.13	ug/mL#	1
55) Diphenylamine	11.28	169	95498	54.38	ug/mL#	44
56) N-Nitrosodiphenylamine	11.28	167	33170	53.50	ug/mL#	45
60) 4-Bromophenyl phenyl ether	11.28	248	135999	170.52	ug/mL#	1

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

E23872.D BNA2-13.M Thu Aug 16 09:55:17 2001

000354

Page 1

Quantitation Report

(QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E23872.D

Vial: 11

Acq On : 12 Apr 2001 6:34 pm

Operator: RB

Sample : BLK 4-10 BNA SOIL A

Inst : BNA NO 2

Misc : QBSV2041201A

Multiplr: 33.33

MS Integration Params: rteint.p

Quant Time: Aug 16 9:55 19101

Quant Results File: BNA2-13.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)

Title : Semivolatiles by GC/MS - EPA Method 625/8270

Last Update : Fri Apr 13 09:29:39 2001

Response via : Initial Calibration

DataAcq Meth : BNA2-12

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
61) Hexachlorobenzene	11.80	142	1121	2.91	ug/mL#	1
62) Pentachlorophenol	12.09	266	1722	2.76	ug/mL#	37
65) Di-n-butyl phthalate	13.19	149	36115	9.87	ug/mL#	96
67) Benzidine	14.56	184	133507	102.70	ug/mL#	1
68) Pyrene	14.28	202	17615	5.37	ug/mL#	91
71) Benzyl butyl phthalate	15.31	149	4535	2.25	ug/mL#	65
72) Bis(2-ethylhexyl)phthalate	16.20	149	23965	9.39	ug/mL	95



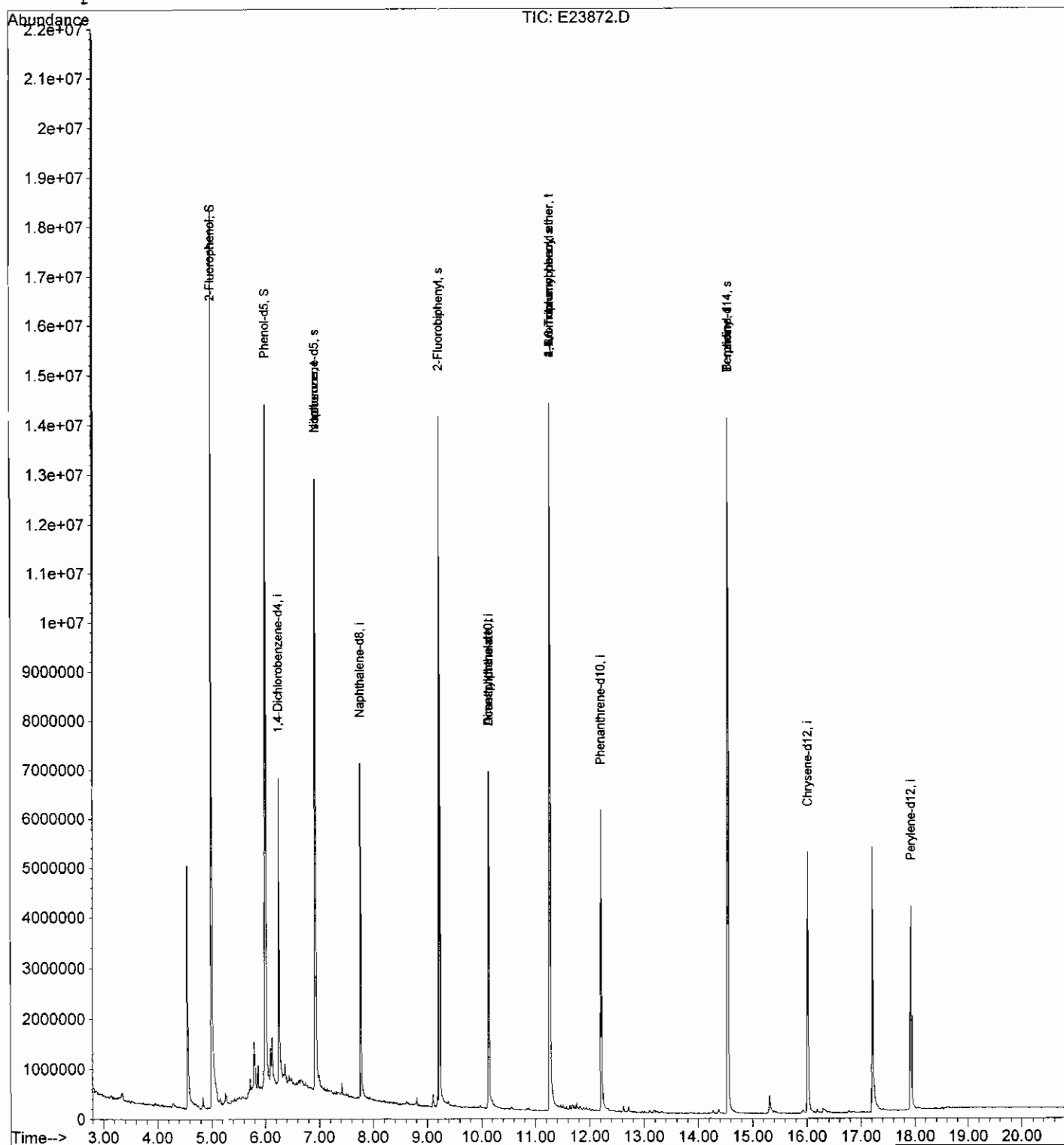
Quantitation Report

Data File : C:\HPCHEM\1\DATA\E23872.D
 Acq On : 12 Apr 2001 6:34 pm
 Sample : BLK 4-10 BNA SOIL A
 Misc : QBSV2041201A
 MS Integration Params: rteint.p
 Quant Time: Aug 16 9:55 19101

Vial: 11
 Operator: RB
 Inst : BNA NO 2
 Multiplr: 33.33

Quant Results File: BNA2-13.RES

Method : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)
 Title : Semivolatiles by GC/MS - EPA Method 625/8270
 Last Update : Fri Apr 13 09:29:39 2001
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\E23873.D

Vial: 12

Acq On : 12 Apr 2001 7:03 pm

Operator: RB

Sample : MS 4-10 BNA SOIL A

Inst : BNA NO 2

Misc : QBSV2041201A

Multiplr: 33.33

MS Integration Params: rteint.p

Quant Time: Apr 13 10:05 19101

Quant Results File: BNA2-13.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)

Title : Semivolatiles by GC/MS - EPA Method 625/8270

Last Update : Fri Apr 13 09:29:39 2001

Response via : Initial Calibration

DataAcq Meth : BNA2-12

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.27	152	1188881	40.00	ug/mL	0.01
21) Naphthalene-d8	7.78	136	3870688	40.00	ug/mL	0.00
35) Acenaphthene-d10	10.15	164	2462268	40.00	ug/mL	-0.01
57) Phenanthrene-d10	12.24	188	4103269	40.00	ug/mL	-0.01
69) Chrysene-d12	16.03	240	3357226	40.00	ug/mL	-0.03
77) Perylene-d12	17.94	264	2875911	40.00	ug/mL	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.01	112	5459151	106.72	ug/mL	0.07
Spiked Amount	200.000	Range	21 - 100	Recovery	=	53.36%
5) Phenol-d5	6.04	99	7500345	107.18	ug/mL	0.04
Spiked Amount	200.000	Range	10 - 100	Recovery	=	53.59%
19) Nitrobenzene-d5	6.95	82	5587310	80.67	ug/mL	0.00
Spiked Amount	100.000	Range	35 - 114	Recovery	=	80.67%
38) 2-Fluorobiphenyl	9.24	172	5565649	53.01	ug/mL	0.00
Spiked Amount	100.000	Range	43 - 116	Recovery	=	53.01%
59) 2,4,6-Tribromophenol	11.29	330	2751053	154.02	ug/mL	-0.01
Spiked Amount	200.000	Range	10 - 123	Recovery	=	77.01%
70) Terphenyl-d14	14.57	244	6928922	73.48	ug/mL	0.00
Spiked Amount	100.000	Range	33 - 141	Recovery	=	73.48%

Target Compounds

						Qvalue
6) Aniline	5.97	93	16959	7.24	ug/mL#	1
7) Phenol	6.05	94	6952689	3027.41	ug/mL#	81
8) Bis(2-chloroethyl)ether	5.97	93	16959	8.26	ug/mL#	1
9) 2-Chlorophenol	6.11	128	5321565	3366.90	ug/mL#	91
10) 1,3-Dichlorobenzene	6.29	146	2751243	1684.25	ug/mL	97
11) 1,4-Dichlorobenzene	6.29	146	2751243	1436.96	ug/mL	92
12) Benzyl Alcohol	6.29	108	37261	37.04	ug/mL#	42
16) N-Nitrosodi-n-propylamine	6.82	70	2524129	1821.53	ug/mL#	98
18) Hexachloroethane	6.84	117	2408	2.78	ug/mL#	15
22) Isophorone	6.95	82	5587310	1414.51	ug/mL#	30
28) 1,2,4-Trichlorobenzene	7.74	180	2749684	1683.26	ug/mL	99
32) 4-Chloro-3-methylphenol	8.59	107	5701438	3560.35	ug/mL	95
33) 2-Methylnaphthalene	8.59	142	4075847	1493.07	ug/mL#	16
41) Dimethylphthalate	10.15	163	477741	145.21	ug/mL#	1
43) Acenaphthylene	10.20	152	2204437	558.92	ug/mL#	1
44) 3-Nitroaniline	10.20	138	4806	6.85	ug/mL#	1
45) Acenaphthene	10.20	154	4240101	1683.92	ug/mL	99
48) 2,4-Dinitrotoluene	10.51	165	2003143	1846.88	ug/mL	98
49) 4-Nitrophenol	10.49	65	3378202	3403.65	ug/mL#	18

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

E23873.D BNA2-13.M

Fri Apr 13 10:05:33 2001

000357

Page 1

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\E23873.D

Vial: 12

Acq On : 12 Apr 2001 7:03 pm

Operator: RB

Sample : MS 4-10 BNA SOIL A

Inst : BNA NO 2

Misc : QBSV2041201A

Multiplr: 33.33

MS Integration Params: rteint.p

Quant Time: Apr 13 10:05 19101

Quant Results File: BNA2-13.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)

Title : Semivolatiles by GC/MS - EPA Method 625/8270

Last Update : Fri Apr 13 09:29:39 2001

Response via : Initial Calibration

DataAcq Meth : BNA2-12

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
50) Diethyl phthalate	10.89	149	8430	2.55	ug/mL#	72
51) Fluorene	11.29	166	117516	36.66	ug/mL#	79
55) Diphenylamine	11.29	169	106737	52.19	ug/mL#	41
56) N-Nitrosodiphenylamine	11.29	167	42019	58.19	ug/mL#	37
60) 4-Bromophenyl phenyl ether	11.29	248	153006	165.05	ug/mL#	1
61) Hexachlorobenzene	11.76	142	3533	7.88	ug/mL#	1
62) Pentachlorophenol	12.09	266	2715042	3745.36	ug/mL	99
65) Di-n-butyl phthalate	13.19	149	41239	9.70	ug/mL#	95
66) Fluoranthene	14.29	202	8707814	2238.49	ug/mL#	95
67) Benzydine	14.57	184	129404	85.64	ug/mL#	1
68) Pyrene	14.29	202	8707814	2284.75	ug/mL	99
72) Bis(2-ethylhexyl)phthalate	16.20	149	25116	8.97	ug/mL#	97
73) Benz(a)anthracene	16.03	228	12714	3.63	ug/mL#	72
75) Chrysene	16.03	228	12714	4.03	ug/mL#	70

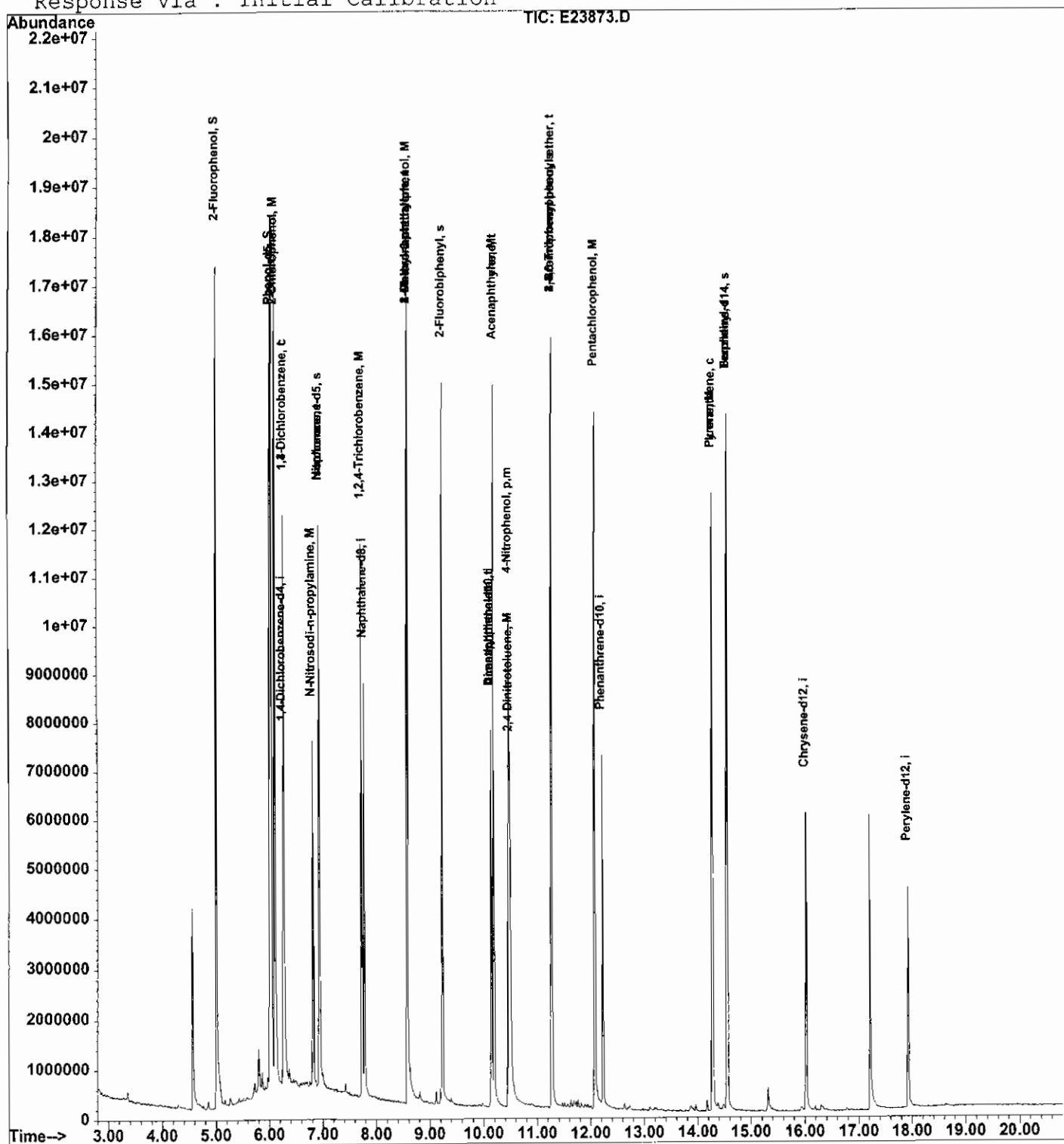
Quantitation Report

Data File : C:\HPCHEM\1\DATA\E23873.D
 Acq On : 12 Apr 2001 7:03 pm
 Sample : MS 4-10 BNA SOIL A
 Misc : QBSV2041201A
 MS Integration Params: rteint.p
 Quant Time: Apr 13 10:05 19101

Vial: 12
 Operator: RB
 Inst : BNA NO 2
 Multiplr: 33.33

Quant Results File: BNA2-13.RES

Method : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)
 Title : Semivolatiles by GC/MS - EPA Method 625/8270
 Last Update : Fri Apr 13 09:29:39 2001
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\E23874.D

Vial: 13

Acq On : 12 Apr 2001 7:33 pm

Operator: RB

Sample : MSD 4-10 BNA SOIL A

Inst : BNA NO 2

Misc : QBSV2041201A

Multiplr: 33.33

MS Integration Params: rteint.p

Quant Time: Apr 13 10:05 19101

Quant Results File: BNA2-13.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)

Title : Semivolatiles by GC/MS - EPA Method 625/8270

Last Update : Fri Apr 13 09:29:39 2001

Response via : Initial Calibration

DataAcq Meth : BNA2-12

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.27	152	1213653	40.00	ug/mL	0.00
21) Naphthalene-d8	7.79	136	3886631	40.00	ug/mL	0.00
35) Acenaphthene-d10	10.15	164	2438839	40.00	ug/mL	0.00
57) Phenanthrene-d10	12.24	188	4056964	40.00	ug/mL	-0.01
69) Chrysene-d12	16.03	240	3296913	40.00	ug/mL	-0.03
77) Perylene-d12	17.93	264	2784503	40.00	ug/mL	-0.03

System Monitoring Compounds

4) 2-Fluorophenol	5.00	112	5101172	97.69	ug/mL	0.06
Spiked Amount	200.000	Range	21 - 100	Recovery	=	48.85%
5) Phenol-d5	6.03	99	6953193	97.34	ug/mL	0.03
Spiked Amount	200.000	Range	10 - 100	Recovery	=	48.67%
19) Nitrobenzene-d5	6.95	82	5236214	74.05	ug/mL	0.00
Spiked Amount	100.000	Range	35 - 114	Recovery	=	74.05%
38) 2-Fluorobiphenyl	9.24	172	5175392	49.77	ug/mL	-0.01
Spiked Amount	100.000	Range	43 - 116	Recovery	=	49.77%
59) 2,4,6-Tribromophenol	11.29	330	2628474	148.84	ug/mL	-0.01
Spiked Amount	200.000	Range	10 - 123	Recovery	=	74.42%
70) Terphenyl-d14	14.57	244	6933048	74.87	ug/mL	0.00
Spiked Amount	100.000	Range	33 - 141	Recovery	=	74.87%

Target Compounds

						Qvalue
6) Aniline	5.97	93	62656	26.19	ug/mL#	1
7) Phenol	6.04	94	6533460	2786.80	ug/mL#	81
8) Bis(2-chloroethyl)ether	5.97	93	62656	29.89	ug/mL#	1
9) 2-Chlorophenol	6.10	128	4871618	3019.31	ug/mL#	91
10) 1,3-Dichlorobenzene	6.29	146	2498704	1498.43	ug/mL	97
11) 1,4-Dichlorobenzene	6.29	146	2498704	1278.42	ug/mL	92
12) Benzyl Alcohol	6.29	108	33742	32.86	ug/mL#	43
15) Bis(2-chloroisopropyl)ethe	6.65	45	2820	2.14	ug/mL#	12
16) N-Nitrosodi-n-propylamine	6.82	70	2413516	1706.16	ug/mL#	99
18) Hexachloroethane	6.86	117	2501	2.83	ug/mL#	1
20) Nitrobenzene	6.95	77	29066	14.10	ug/mL#	1
22) Isophorone	6.95	82	5236214	1320.19	ug/mL#	30
23) 2-Nitrophenol	7.35	139	2654	2.78	ug/mL#	1
28) 1,2,4-Trichlorobenzene	7.73	180	2518871	1535.64	ug/mL	99
29) Naphthalene	7.81	128	7776	2.14	ug/mL#	81
32) 4-Chloro-3-methylphenol	8.59	107	5337546	3319.44	ug/mL	95
33) 2-Methylnaphthalene	8.59	142	3801491	1386.86	ug/mL#	17
41) Dimethylphthalate	10.15	163	472770	145.08	ug/mL#	1
43) Acenaphthylene	10.20	152	2114888	541.37	ug/mL#	1

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

E23874.D BNA2-13.M

Fri Apr 13 10:05:48 2001

000360

Page 1

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\E23874.D

Vial: 13

Acq On : 12 Apr 2001 7:33 pm

Operator: RB

Sample : MSD 4-10 BNA SOIL A

Inst : BNA NO 2

Misc : QBSV2041201A

Multiplr: 33.33

MS Integration Params: rteint.p

Quant Time: Apr 13 10:05 19101

Quant Results File: BNA2-13.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)

Title : Semivolatiles by GC/MS - EPA Method 625/8270

Last Update : Fri Apr 13 09:29:39 2001

Response via : Initial Calibration

DataAcq Meth : BNA2-12

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
44) 3-Nitroaniline	10.21	138	2755	3.96	ug/mL#	1
45) Acenaphthene	10.20	154	4172613	1673.04	ug/mL	99
48) 2,4-Dinitrotoluene	10.51	165	2004843	1866.20	ug/mL	98
49) 4-Nitrophenol	10.49	65	3443747	3503.02	ug/mL#	18
50) Diethyl phthalate	10.90	149	11874	3.62	ug/mL#	75
51) Fluorene	11.29	166	101783	32.05	ug/mL#	72
56) N-Nitrosodiphenylamine	11.10	167	2714	3.79	ug/mL#	27
60) 4-Bromophenyl phenyl ether	11.29	248	145106	158.31	ug/mL#	1
61) Hexachlorobenzene	11.80	142	3681	8.30	ug/mL#	1
62) Pentachlorophenol	12.09	266	2701649	3769.42	ug/mL	98
65) Di-n-butyl phthalate	13.18	149	49358	11.74	ug/mL#	97
66) Fluoranthene	14.30	202	8907921	2316.07	ug/mL#	94
67) Benzidine	14.57	184	127095	85.07	ug/mL#	1
68) Pyrene	14.30	202	8907921	2363.93	ug/mL	99
71) Benzyl butyl phthalate	15.31	149	7925	3.65	ug/mL#	57
72) Bis(2-ethylhexyl)phthalate	16.19	149	20939	7.61	ug/mL#	89
73) Benz(a)anthracene	16.02	228	17674	5.14	ug/mL#	60
75) Chrysene	16.06	228	6347	2.05	ug/mL#	65
76) Di-n-octylphthalate	17.02	149	10939	2.48	ug/mL#	91
80) Benz(a)pyrene	17.85	252	6933	2.14	ug/mL#	37

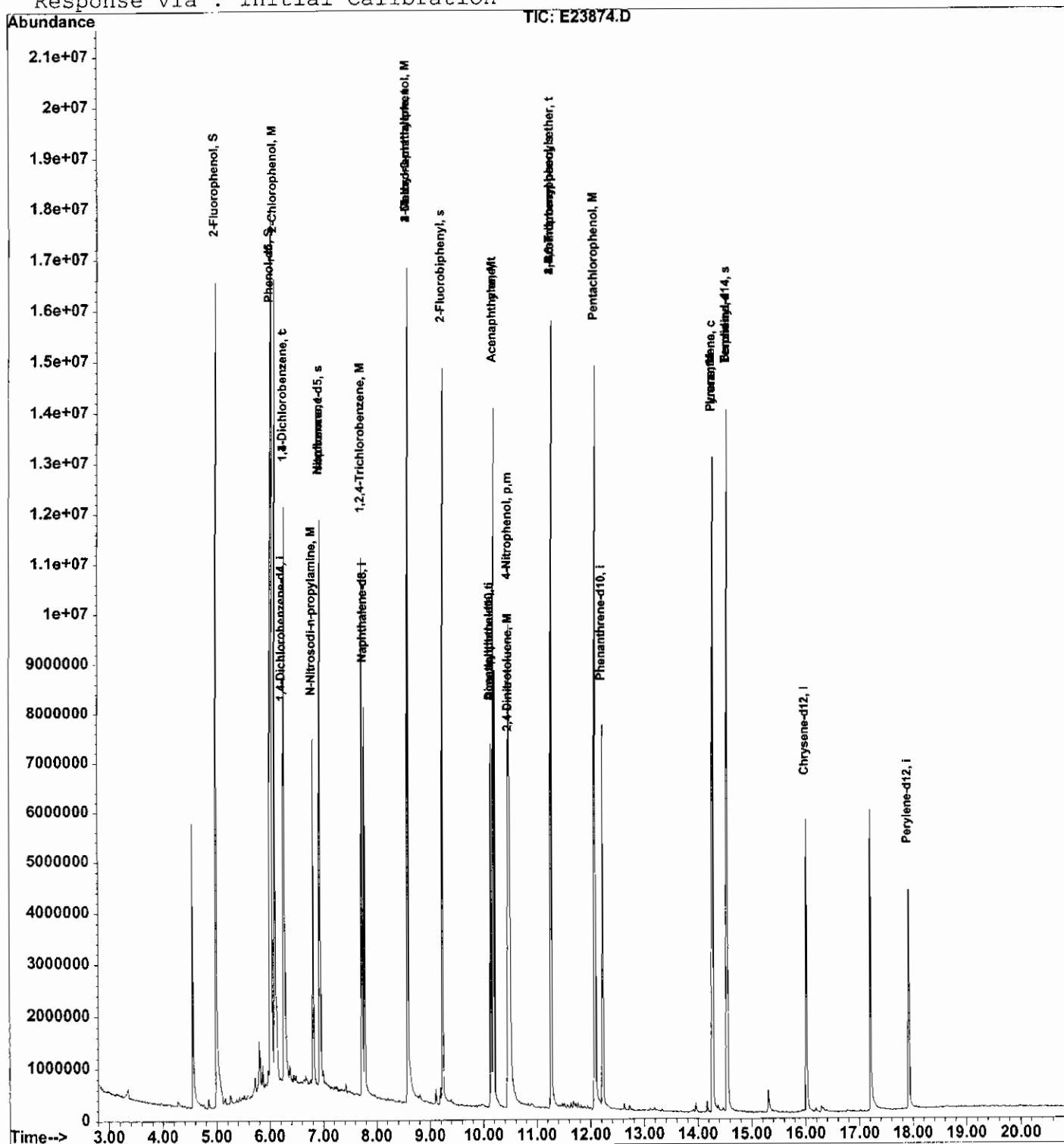
Quantitation Report

Data File : C:\HPCHEM\1\DATA\E23874.D
Acq On : 12 Apr 2001 7:33 pm
Sample : MSD 4-10 BNA SOIL A
Misc : QBSV2041201A
MS Integration Params: rteint.p
Quant Time: Apr 13 10:05 19101

Vial: 13
Operator: RB
Inst : BNA NO 2
Multiplr: 33.33

Quant Results File: BNA2-13.RES

Method : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Fri Apr 13 09:29:39 2001
Response via : Initial Calibration



Response Factor Report BNA NO 2

Method : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)
 Title : Semivolatiles by GC/MS - EPA Method 625/8270
 Last Update : Fri Apr 13 09:29:39 2001
 Response via : Initial Calibration

Calibration Files

20 =E23862.D 50 =E23863.D 80 =E23864.D
 100 =E23865.D 120 =E23866.D 140 =E23867.D

	Compound	20	50	80	100	120	140	Avg	%RSD
42) t	2,6-Dinitrotoluene	0.363	0.365	0.372	0.372	0.383	0.372	0.371	1.95
43) t	Acenaphthylene	1.815	1.794	1.724	1.662	1.670	1.584	1.708	5.11
44) t	3-Nitroaniline	0.297	0.296	0.317	0.283	0.311	0.320	0.304	4.77
45) M	Acenaphthene	1.018	1.078	1.111	1.099	1.144	1.093	1.091	3.85
46) p	2,4-Dinitrophenol		0.233	0.236	0.243	0.265	0.253	0.246	5.28
47) t	Dibenzofuran	1.598	1.619	1.585	1.529	1.643	1.544	1.586	2.76
48) M	2,4-Dinitrotoluene	0.450	0.469	0.457	0.446	0.505	0.492	0.470	5.07
49) p,m	4-Nitrophenol		0.418	0.434	0.415	0.447	0.434	0.430	3.05
50) t	Diethyl phthalate	1.562	1.508	1.494	1.375	1.371	1.285	1.433	7.32
51) t	Fluorene	1.376	1.442	1.439	1.363	1.397	1.314	1.389	3.50
52) t	4-Chlorophenyl phen	0.705	0.732	0.722	0.672	0.661	0.619	0.685	6.20
53) t	4-Nitroaniline	0.257	0.286	0.285	0.282	0.320	0.328	0.293	8.98
54) t	4,6-Dinitro-2-methy		0.317	0.315	0.303	0.334	0.322	0.318	3.64
55) t	Diphenylamine	0.842	0.901	0.918	0.804	0.946	0.904	0.886	5.95
56) c	N-Nitrosodiphenylam	0.314	0.317	0.327	0.279	0.327	0.313	0.313	5.69#
57) i	Phenanthrene-d10	-----ISTD-----							
58) t	Azobenzene	1.113	1.140	1.068	1.104	1.122	1.046	1.099	3.20
59) s	2,4,6-Tribromopheno	0.124	0.136	0.138	0.140	0.147	0.150	0.139	6.62
60) t	4-Bromophenyl pheny	0.233	0.237	0.237	0.243	0.253	0.243	0.241	2.98
61) t	Hexachlorobenzene	0.125	0.117	0.113	0.114	0.119	0.112	0.117	4.03
62) M	Pentachlorophenol		0.171	0.184	0.194	0.194	0.199	0.188	5.77
63) t	Phenanthrene	1.034	0.980	0.949	1.023	1.087	0.999	1.012	4.72
64) t	Anthracene	1.041	0.980	0.949	0.934	0.850	0.885	0.940	7.24
65) t	Di-n-butyl phthalat	1.358	1.185	1.135	1.015	1.000	0.940	1.105	13.89
66) c	Fluoranthene	1.135	1.019	0.990	0.965	0.986	0.972	1.011	6.29#
67) t	Benzidine	0.339	0.367	0.391	0.390	0.458	0.411	0.393	10.33
68) M	Pyrene	1.017	0.979	0.970	0.969	1.013	0.996	0.991	2.12
69) i	Chrysene-d12	-----ISTD-----							
70) s	Terphenyl-d14	0.991	0.932	0.938	0.873	0.848	0.811	0.899	7.38
71) t	Benzyl butyl phthal	0.784	0.731	0.714	0.673	0.670	0.636	0.702	7.53
72) t	Bis(2-ethylhexyl)ph	1.020	0.946	0.930	0.850	0.812	0.779	0.890	10.27
73) t	Benz(a)anthracene	1.169	1.159	1.127	1.067	1.092	1.054	1.111	4.33
74) t	3,3'-Dichlorobenzid	0.419	0.491	0.490	0.466	0.453	0.444	0.461	6.07
75) t	Chrysene	1.065	1.067	1.045	0.988	0.950	0.897	1.002	6.88
76) c	Di-n-octylphthalate	1.811	1.622	1.529	1.300	1.185	1.122	1.428	18.89#
77) i	Perylene-d12	-----ISTD-----							
78) t	Benzo(b)fluoranthene	1.172	1.437	1.898	1.877	1.874	1.954	1.702	18.82
79) t	Benzo(k)fluoranthene	1.082	1.429	1.220	1.437	1.359	1.453	1.330	11.20
80) t	Benz(a)pyrene	1.133	1.251	1.275	1.250	1.268	1.260	1.240	4.27
81) t	Indeno(1,2,3-c,d)py	1.258	1.399	1.427	1.374	1.534	1.319	1.385	6.83
82) t	Dibenz(a,h)anthrace	1.098	1.242	1.299	1.261	1.392	1.196	1.248	7.91

(#) = Out of Range

BNA2-13.M

Fri Apr 13 09:49:08 2001

000363

Page 2

Response Factor Report BNA NO 2

Method : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)
 Title : Semivolatiles by GC/MS - EPA Method 625/8270
 Last Update : Fri Apr 13 09:29:39 2001
 Response via : Initial Calibration

Calibration Files

20	=E23862.D	50	=E23863.D	80	=E23864.D
100	=E23865.D	120	=E23866.D	140	=E23867.D

	Compound	20	50	80	100	120	140	Avg	%RSD
83) t	Benzo(g,h,i)perylene	1.034	1.057	1.093	1.045	1.198	0.984	1.068	6.80

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E23862.D
 Acq On : 12 Apr 2001 1:35 pm
 Sample : 20 ppm BNA CAL STD
 Misc : QBSV2041201A
 MS Integration Params: rteint.p
 Quant Time: Apr 13 9:48 19101

Vial: 1
 Operator: RB
 Inst : BNA NO 2
 Multiplr: 1.00

Quant Results File: BNA2-12.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2-12.M (RTE Integrator)
 Title : Semivolatiles by GC/MS - EPA Method 625/8270
 Last Update : Wed Apr 04 18:29:24 2001
 Response via : Initial Calibration
 DataAcq Meth : BNA2-12

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.26	152	1721036m	40.00	ug/mL	-0.06
21) Naphthalene-d8	7.78	136	5206803	40.00	ug/mL	-0.08
35) Acenaphthene-d10	10.16	164	3355106	40.00	ug/mL	-0.07
57) Phenanthrene-d10	12.24	188	5352579	40.00	ug/mL	-0.08
69) Chrysene-d12	16.05	240	4149846	40.00	ug/mL	-0.08
77) Perylene-d12	17.95	264	3779213	40.00	ug/mL	-0.07

System Monitoring Compounds

4) 2-Fluorophenol	4.93	112	1210131	15.49	ug/mL	-0.03
Spiked Amount 200.000	Range 21 - 100		Recovery =	7.75%#		
5) Phenol-d5	5.98	99	1703495	13.75	ug/mL	-0.05
Spiked Amount 200.000	Range 10 - 100		Recovery =	6.88%#		
19) Nitrobenzene-d5	6.93	82	1836225m	11.44	ug/mL	-0.08
Spiked Amount 100.000	Range 35 - 114		Recovery =	11.44%#		
38) 2-Fluorobiphenyl	9.24	172	2407089	13.98	ug/mL	-0.09
Spiked Amount 100.000	Range 43 - 116		Recovery =	13.98%#		
59) 2,4,6-Tribromophenol	11.28	330	331688	12.37	ug/mL	-0.09
Spiked Amount 200.000	Range 10 - 123		Recovery =	6.19%#		
70) Terphenyl-d14	14.55	244	2055236	14.59	ug/mL	-0.09
Spiked Amount 100.000	Range 33 - 141		Recovery =	14.59%#		

Target Compounds

						Qvalue
2) N-Nitrosodimethylamine	3.06	74	675942m	9.37	ug/mL	
3) Pyridine	3.00	79	1129834m	11.10	ug/mL	
6) Aniline	5.95	93	2166269m	12.45	ug/mL	
7) Phenol	5.99	94	1856677	13.34	ug/mL#	
8) Bis(2-chloroethyl)ether	6.02	93	1601943	13.07	ug/mL	
9) 2-Chlorophenol	6.08	128	1276696	17.30	ug/mL#	
10) 1,3-Dichlorobenzene	6.21	146	1506481m	19.70	ug/mL	
11) 1,4-Dichlorobenzene	6.28	146	1534809m	14.68	ug/mL	
12) Benzyl Alcohol	6.47	108	777288	10.47	ug/mL	
13) 1,2-Dichlorobenzene	6.49	146	1301356m	13.25	ug/mL	
14) 2-Methylphenol	6.63	107	1138861m	13.25	ug/mL	
15) Bis(2-chloroisopropyl)ethe	6.65	45	964322m	13.92	ug/mL	
16) N-Nitrosodi-n-propylamine	6.80	70	1178792m	12.34	ug/mL	
17) 4-Methylphenol	6.80	107	1362233	12.76	ug/mL#	
18) Hexachloroethane	6.84	117	709408	13.02	ug/mL	
20) Nitrobenzene	6.96	77	1791656m	12.78	ug/mL	
22) Isophorone	7.25	82	2951175	13.15	ug/mL#	94
23) 2-Nitrophenol	7.33	139	684628	17.27	ug/mL#	71
24) 2,4-Dimethylphenol	7.43	122	902260	15.42	ug/mL	88

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E23862.D

Vial: 1

Acq On : 12 Apr 2001 1:35 pm

Operator: RB

Sample : 20 ppm BNA CAL STD

Inst : BNA NO 2

Misc : QBSV2041201A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Apr 13 9:48 19101

Quant Results File: BNA2-12.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2-12.M (RTE Integrator)

Title : Semivolatiles by GC/MS - EPA Method 625/8270

Last Update : Wed Apr 04 18:29:24 2001

Response via : Initial Calibration

DataAcq Meth : BNA2-12

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
25) Bis(2-chloroethoxy)methane	7.52	93	1515750	13.35	ug/mL	98
26) Benzoic Acid	7.65	105	823074	9.52	ug/mL#	79
27) 2,4-Dichlorophenol	7.65	162	998819	15.33	ug/mL	89
28) 1,2,4-Trichlorobenzene	7.73	180	1224676	16.09	ug/mL	98
29) Naphthalene	7.81	128	3094625	15.03	ug/mL#	92
30) 4-Chloroaniline	7.91	127	1154285	11.54	ug/mL	91
31) Hexachlorobutadiene	8.05	225	798992	12.77	ug/mL	100
32) 4-Chloro-3-methylphenol	8.58	107	1192439	13.65	ug/mL#	85
33) 2-Methylnaphthalene	8.71	142	1994143	11.07	ug/mL	92
34) Hexachlorocyclopentadiene	9.02	237	621811	9.52	ug/mL	98
36) 2,4,6-Trichlorophenol	9.14	196	756346	14.93	ug/mL	91
37) 2,4,5-Trichlorophenol	9.20	196	877452m	14.40	ug/mL	
39) 2-Chloronaphthalene	9.36	162	1923260	14.91	ug/mL	94
40) 2-Nitroaniline	9.56	138	663757	13.57	ug/mL#	76
41) Dimethylphthalate	9.87	163	2574507	16.32	ug/mL	99
42) 2,6-Dinitrotoluene	9.94	165	608195	15.96	ug/mL	87
43) Acenaphthylene	9.93	152	3045457	15.30	ug/mL	98
44) 3-Nitroaniline	10.15	138	498528	12.08	ug/mL#	72
45) Acenaphthene	10.20	154	1707503	14.81	ug/mL	99
46) 2,4-Dinitrophenol	10.30	184	346255	14.67	ug/mL#	68
47) Dibenzofuran	10.42	168	2681065	11.50	ug/mL#	77
48) 2,4-Dinitrotoluene	10.52	165	755701	16.87	ug/mL#	79
49) 4-Nitrophenol	10.47	65	686801m	13.80	ug/mL	
50) Diethyl phthalate	10.87	149	2620751	13.92	ug/mL	98
51) Fluorene	10.91	166	2308341	13.84	ug/mL	98
52) 4-Chlorophenyl phenyl ethe	10.92	204	1181895	13.49	ug/mL	93
53) 4-Nitroaniline	11.04	138	431670	13.74	ug/mL#	56
54) 4,6-Dinitro-2-methylphenol	11.10	198	460598	13.13	ug/mL#	84
55) Diphenylamine	11.10	169	1412552	15.10	ug/mL	96
56) N-Nitrosodiphenylamine	11.10	167	526658	15.65	ug/mL	92
58) Azobenzene	11.14	77	2978339	12.75	ug/mL#	86
60) 4-Bromophenyl phenyl ether	11.61	248	623674	14.01	ug/mL	93
61) Hexachlorobenzene	11.81	142	333685	14.43	ug/mL	99
62) Pentachlorophenol	12.09	266	426315	12.61	ug/mL	98
63) Phenanthrene	12.27	178	2767911m	14.66	ug/mL	
64) Anthracene	12.33	178	2785904m	14.88	ug/mL	
65) Di-n-butyl phthalate	13.20	149	3635252	13.82	ug/mL	99
66) Fluoranthene	13.97	202	3038261	14.57	ug/mL#	97
67) Benzidine	14.19	184	906395	18.63	ug/mL	99
68) Pyrene	14.28	202	2720518	13.23	ug/mL	99
71) Benzyl butyl phthalate	15.32	149	1627409	18.29	ug/mL	98

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

E23862.D BNA2-13.M

Fri Apr 13 09:49:22 2001

000366

Page 2

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E23862.D
Acq On : 12 Apr 2001 1:35 pm
Sample : 20 ppm BNA CAL STD
Misc : QBSV2041201A
MS Integration Params: rteint.p
Quant Time: Apr 13 9:48 19101

Vial: 1
Operator: RB
Inst : BNA NO 2
Multiplr: 1.00

Quant Results File: BNA2-12.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2-12.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Wed Apr 04 18:29:24 2001
Response via : Initial Calibration
DataAcq Meth : BNA2-12

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
72) Bis(2-ethylhexyl)phthalate	16.20	149	2116949	17.22	ug/mL	97
73) Benz(a)anthracene	16.01	228	2426331	15.94	ug/mL	99
74) 3,3'-Dichlorobenzidine	16.01	252	870230	18.16	ug/mL	97
75) Chrysene	16.08	228	2209059	16.57	ug/mL#	100
76) Di-n-octylphthalate	17.04	149	3757769	18.18	ug/mL	99
78) Benzo(b)fluoranthene	17.47	252	2215265m	10.41	ug/mL	
79) Benzo(k)fluoranthene	17.51	252	2044616	13.96	ug/mL	98
80) Benz(a)pyrene	17.86	252	2141864	14.74	ug/mL#	98
81) Indeno(1,2,3-c,d)pyrene	19.30	276	2376393	14.20	ug/mL#	91
82) Dibenz(a,h)anthracene	19.31	278	2075490	13.46	ug/mL#	98
83) Benzo(g,h,i)perylene	19.66	276	1954261	14.41	ug/mL#	97

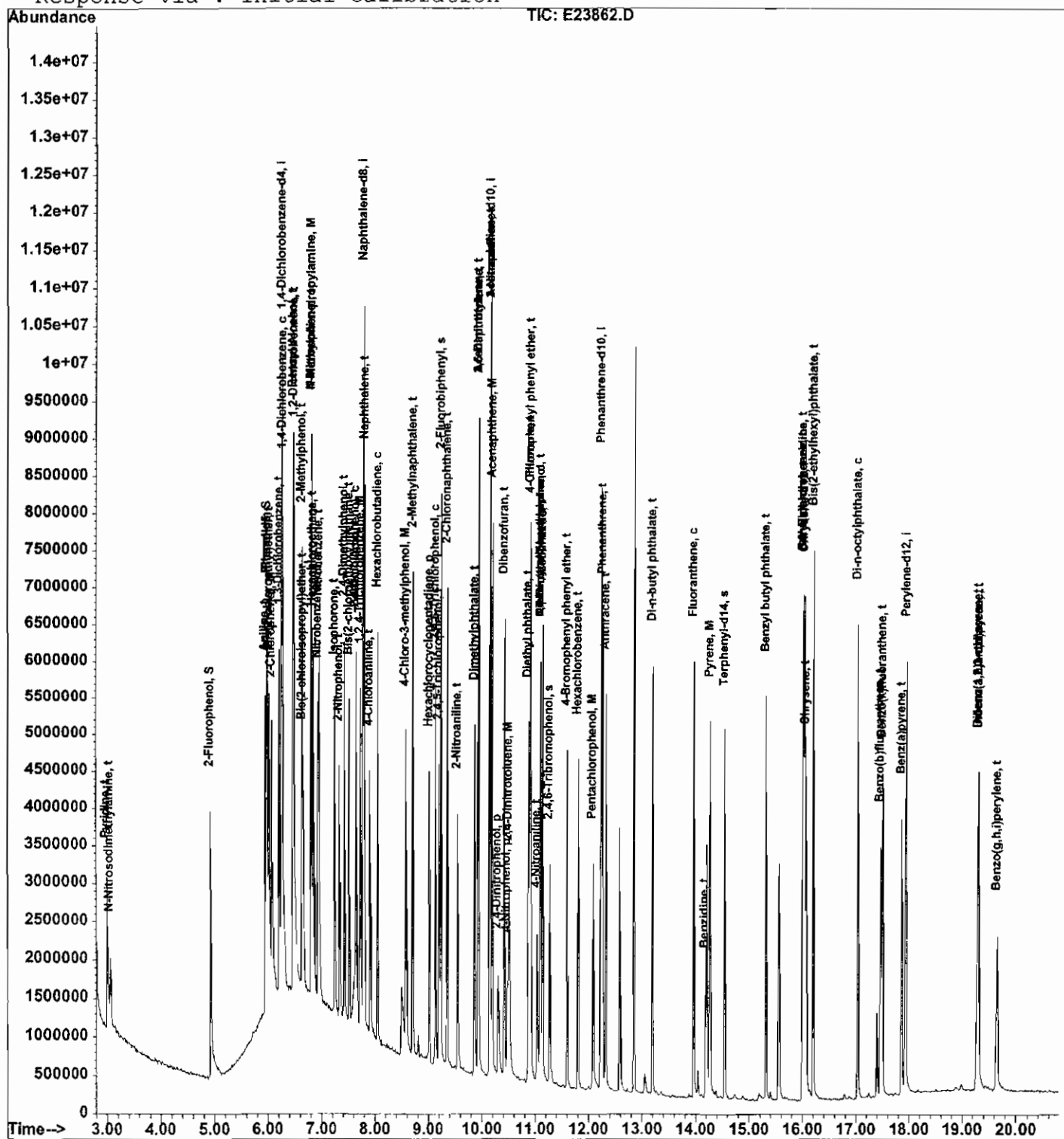
Quantitation Report

Data File : C:\HPCHEM\1\DATA\E23862.D
Acq On : 12 Apr 2001 1:35 pm
Sample : 20 ppm BNA CAL STD
Misc : QBSV2041201A
MS Integration Params: rteint.p
Quant Time: Apr 13 9:48 19101

Vial: 1
Operator: RB
Inst : BNA NO 2
Multiplr: 1.00

Quant Results File: BNA2-12.RES

```
Method       : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)
Title        : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update   : Fri Apr 13 09:29:39 2001
Response via  : Initial Calibration
```



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\E23863.D
 Acq On : 12 Apr 2001 2:05 pm
 Sample : 50 ppm BNA CAL STD
 Misc : QBSV2041201A
 MS Integration Params: rteint.p
 Quant Time: Apr 13 9:31 19101

Vial: 2
 Operator: RB
 Inst : BNA NO 2
 Multiplr: 1.00

Quant Results File: BNA2-12.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2-12.M (RTE Integrator)
 Title : Semivolatiles by GC/MS - EPA Method 625/8270
 Last Update : Wed Apr 04 18:29:24 2001
 Response via : Initial Calibration
 DataAcq Meth : BNA2-12

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	6.25	152	1570014m	40.00	ug/mL	-0.06
21) Naphthalene-d8	7.79	136	4625150	40.00	ug/mL	-0.07
35) Acenaphthene-d10	10.16	164	3036430	40.00	ug/mL	-0.08
57) Phenanthrene-d10	12.25	188	5062562	40.00	ug/mL	-0.07
69) Chrysene-d12	16.05	240	4162526	40.00	ug/mL	-0.07
77) Perylene-d12	17.95	264	3566056	40.00	ug/mL	-0.07

System Monitoring Compounds

4) 2-Fluorophenol	4.93	112	2787737	39.11	ug/mL	-0.03
Spiked Amount 200.000	Range 21 - 100		Recovery =	19.56%#		
5) Phenol-d5	5.99	99	3652959	32.32	ug/mL	-0.04
Spiked Amount 200.000	Range 10 - 100		Recovery =	16.16%		
19) Nitrobenzene-d5	6.94	82	3742877m	25.57	ug/mL	-0.07
Spiked Amount 100.000	Range 35 - 114		Recovery =	25.57%#		
38) 2-Fluorobiphenyl	9.24	172	5191677	33.32	ug/mL	-0.08
Spiked Amount 100.000	Range 43 - 116		Recovery =	33.32%#		
59) 2,4,6-Tribromophenol	11.29	330	861540	33.96	ug/mL	-0.08
Spiked Amount 200.000	Range 10 - 123		Recovery =	16.98%		
70) Terphenyl-d14	14.56	244	4849229	34.31	ug/mL	-0.08
Spiked Amount 100.000	Range 33 - 141		Recovery =	34.31%		

Target Compounds

						Qvalue
2) N-Nitrosodimethylamine	3.05	74	1632413m	24.81	ug/mL	
3) Pyridine	2.97	79	2874391m	30.96	ug/mL	
6) Aniline	5.96	93	4273805m	26.93	ug/mL	
7) Phenol	6.00	94	3901612	30.73	ug/mL#	
8) Bis(2-chloroethyl)ether	6.02	93	3482541	31.15	ug/mL#	
9) 2-Chlorophenol	6.08	128	2812488	41.77	ug/mL#	
10) 1,3-Dichlorobenzene	6.21	146	2879960m	41.28	ug/mL	
11) 1,4-Dichlorobenzene	6.27	146	3308382m	34.69	ug/mL	
12) Benzyl Alcohol	6.48	108	1773625m	26.20	ug/mL	
13) 1,2-Dichlorobenzene	6.49	146	2971661m	33.17	ug/mL	
14) 2-Methylphenol	6.64	107	2444849m	31.19	ug/mL	
15) Bis(2-chloroisopropyl)ethe	6.66	45	2224813m	35.20	ug/mL	
16) N-Nitrosodi-n-propylamine	6.82	70	2462221m	28.25	ug/mL	
17) 4-Methylphenol	6.82	107	3068244	31.50	ug/mL#	
18) Hexachloroethane	6.84	117	1527924	30.74	ug/mL	
20) Nitrobenzene	6.96	77	3649659m	28.54	ug/mL	
22) Isophorone	7.26	82	6520074	32.70	ug/mL#	95
23) 2-Nitrophenol	7.34	139	1474814	41.87	ug/mL#	70
24) 2,4-Dimethylphenol	7.44	122	2010334	38.69	ug/mL	85

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\E23863.D

Vial: 2

Acq On : 12 Apr 2001 2:05 pm

Operator: RB

Sample : 50 ppm BNA CAL STD

Inst : BNA NO 2

Misc : QBSV2041201A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Apr 13 9:31 19101

Quant Results File: BNA2-12.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2-12.M (RTE Integrator)

Title : Semivolatiles by GC/MS - EPA Method 625/8270

Last Update : Wed Apr 04 18:29:24 2001

Response via : Initial Calibration

DataAcq Meth : BNA2-12

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
25) Bis(2-chloroethoxy)methane	7.53	93	3235737	32.09	ug/mL	97
26) Benzoic Acid	7.72	105	2026134	26.37	ug/mL#	80
27) 2,4-Dichlorophenol	7.66	162	2224054	38.42	ug/mL#	86
28) 1,2,4-Trichlorobenzene	7.73	180	2664118	39.41	ug/mL	98
29) Naphthalene	7.82	128	6468467	35.36	ug/mL#	90
30) 4-Chloroaniline	7.91	127	2677798	30.14	ug/mL#	90
31) Hexachlorobutadiene	8.05	225	1721338	30.97	ug/mL	99
32) 4-Chloro-3-methylphenol	8.58	107	2667597	34.37	ug/mL#	81
33) 2-Methylnaphthalene	8.71	142	4540643	28.39	ug/mL#	91
34) Hexachlorocyclopentadiene	9.02	237	1484465	25.58	ug/mL	99
36) 2,4,6-Trichlorophenol	9.14	196	1761997	38.42	ug/mL#	89
37) 2,4,5-Trichlorophenol	9.20	196	1870504	33.93	ug/mL	94
39) 2-Chloronaphthalene	9.36	162	4337597	37.15	ug/mL	93
40) 2-Nitroaniline	9.57	138	1529270	34.55	ug/mL#	73
41) Dimethylphthalate	9.91	163	5614797	39.32	ug/mL	99
42) 2,6-Dinitrotoluene	9.96	165	1385324	40.17	ug/mL	91
43) Acenaphthylene	9.94	152	6810195	37.79	ug/mL	98
44) 3-Nitroaniline	10.18	138	1124018	30.09	ug/mL#	73
45) Acenaphthene	10.20	154	4093080	39.23	ug/mL	95
46) 2,4-Dinitrophenol	10.33	184	886043	41.48	ug/mL#	68
47) Dibenzofuran	10.43	168	6146197	29.14	ug/mL#	77
48) 2,4-Dinitrotoluene	10.53	165	1778374	43.86	ug/mL#	76
49) 4-Nitrophenol	10.49	65	1587430m	35.25	ug/mL	
50) Diethyl phthalate	10.90	149	5722388	33.59	ug/mL#	94
51) Fluorene	10.92	166	5474375	36.27	ug/mL	98
52) 4-Chlorophenyl phenyl ethe	10.93	204	2776456	35.01	ug/mL	89
53) 4-Nitroaniline	11.08	138	1085874	38.20	ug/mL#	52
54) 4,6-Dinitro-2-methylphenol	11.12	198	1203619	37.92	ug/mL#	77
55) Diphenylamine	11.12	169	3421045	40.40	ug/mL	95
56) N-Nitrosodiphenylamine	11.12	167	1202431	39.47	ug/mL	95
58) Azobenzene	11.16	77	7216752	32.67	ug/mL#	95
60) 4-Bromophenyl phenyl ether	11.61	248	1502258	35.67	ug/mL	90
61) Hexachlorobenzene	11.82	142	738346	33.76	ug/mL	89
62) Pentachlorophenol	12.10	266	1084385	33.92	ug/mL	99
63) Phenanthrene	12.35	178	6202768	34.72	ug/mL#	98
64) Anthracene	12.35	178	6202768	35.03	ug/mL#	99
65) Di-n-butyl phthalate	13.21	149	7495980	30.13	ug/mL	99
66) Fluoranthene	13.98	202	6445853	32.68	ug/mL	98
67) Benzidine	14.21	184	2322671	50.47	ug/mL#	98
68) Pyrene	14.29	202	6194182	31.84	ug/mL	98
71) Benzyl butyl phthalate	15.33	149	3805242	42.63	ug/mL	94

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

E23863.D BNA2-13.M

Fri Apr 13 09:49:33 2001

000370

Page 2

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\E23863.D

Vial: 2

Acq On : 12 Apr 2001 2:05 pm

Operator: RB

Sample : 50 ppm BNA CAL STD

Inst : BNA NO 2

Misc : QBSV2041201A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Apr 13 9:31 19101

Quant Results File: BNA2-12.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2-12.M (RTE Integrator)

Title : Semivolatiles by GC/MS - EPA Method 625/8270

Last Update : Wed Apr 04 18:29:24 2001

Response via : Initial Calibration

DataAcq Meth : BNA2-12

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
72) Bis(2-ethylhexyl)phthalate	16.21	149	4923613	39.94	ug/mL	95
73) Benz(a)anthracene	16.02	228	6031923	39.50	ug/mL	99
74) 3,3'-Dichlorobenzidine	16.03	252	2556671	53.19	ug/mL	99
75) Chrysene	16.09	228	5549193	41.49	ug/mL#	99
76) Di-n-octylphthalate	17.04	149	8440495	40.71	ug/mL	98
78) Benzo(b)fluoranthene	17.50	252	6405847m	31.92	ug/mL	
79) Benzo(k)fluoranthene	17.53	252	6369903m	46.08	ug/mL	
80) Benz(a)pyrene	17.88	252	5577421	40.69	ug/mL#	97
81) Indeno(1,2,3-c,d)pyrene	19.34	276	6237823	39.51	ug/mL#	92
82) Dibenz(a,h)anthracene	19.35	278	5534917	38.04	ug/mL#	98
83) Benzo(g,h,i)perylene	19.70	276	4710959	36.81	ug/mL#	97

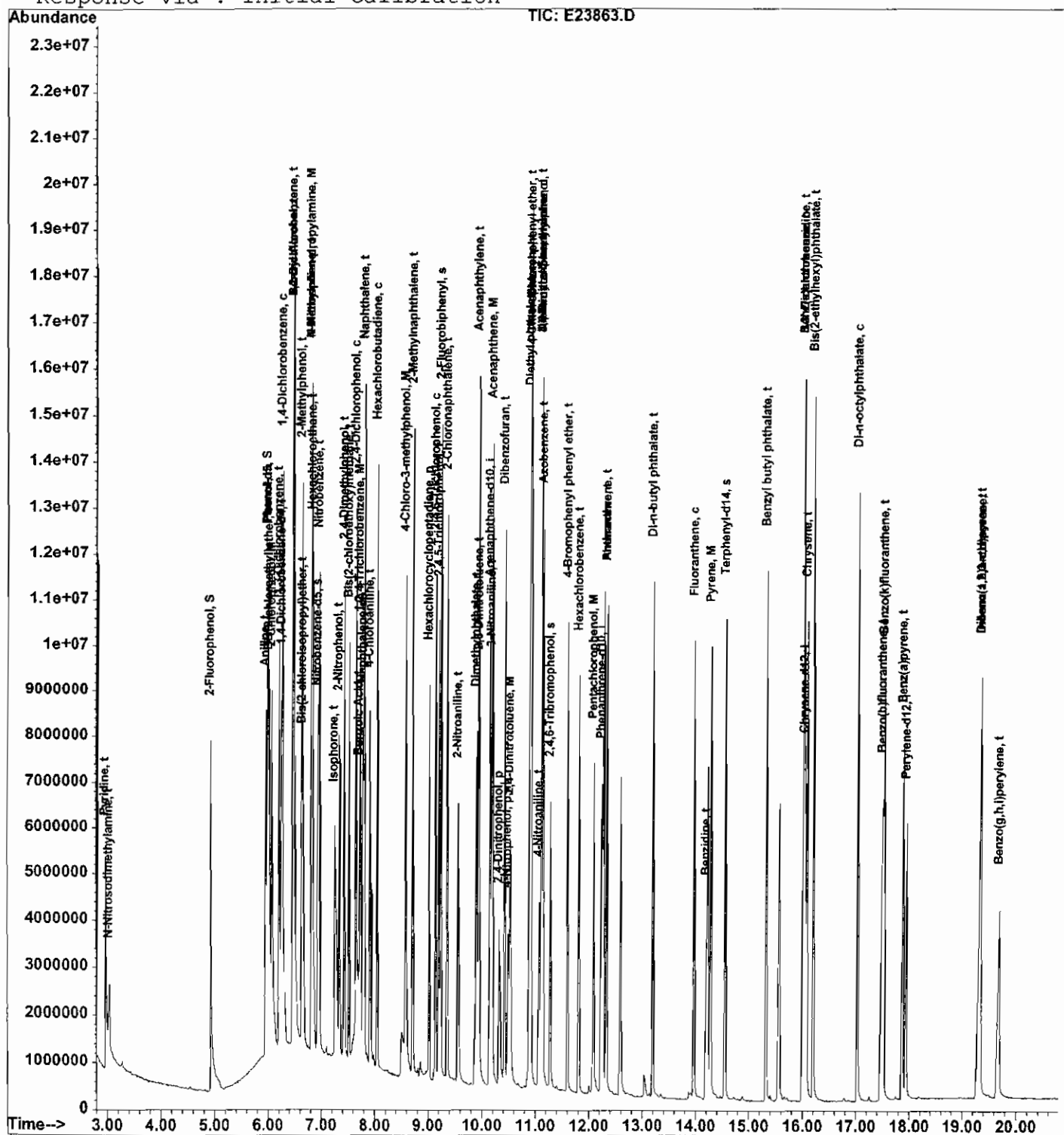
Quantitation Report

Data File : C:\HPCHEM\1\DATA\E23863.D
Acq On : 12 Apr 2001 2:05 pm
Sample : 50 ppm BNA CAL STD
Misc : QBSV2041201A
MS Integration Params: rteint.p
Quant Time: Apr 13 9:31 19101

Vial: 2
Operator: RB
Inst : BNA NO 2
Multiplr: 1.00

Quant Results File: BNA2-12.RES

Method : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Fri Apr 13 09:29:39 2001
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\E23864.D
 Acq On : 12 Apr 2001 2:35 pm
 Sample : 80 ppm BNA CAL STD
 Misc : QBSV2041201A
 MS Integration Params: rteint.p
 Quant Time: Apr 13 9:48 19101

Vial: 3
 Operator: RB
 Inst : BNA NO 2
 Multiplr: 1.00

Quant Results File: BNA2-12.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2-12.M (RTE Integrator)
 Title : Semivolatiles by GC/MS - EPA Method 625/8270
 Last Update : Wed Apr 04 18:29:24 2001
 Response via : Initial Calibration
 DataAcq Meth : BNA2-12

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.25	152	1300685m	40.00	ug/mL	-0.06
21) Naphthalene-d8	7.79	136	3919774	40.00	ug/mL	-0.07
35) Acenaphthene-d10	10.16	164	2557949	40.00	ug/mL	-0.07
57) Phenanthrene-d10	12.25	188	4364086	40.00	ug/mL	-0.06
69) Chrysene-d12	16.05	240	3625218	40.00	ug/mL	-0.07
77) Perylene-d12	17.95	264	3033251	40.00	ug/mL	-0.07

System Monitoring Compounds

4) 2-Fluorophenol	4.93	112	3660518	61.99	ug/mL	-0.02
Spiked Amount 200.000	Range 21 - 100		Recovery =	31.00%		
5) Phenol-d5	5.99	99	4896903	52.29	ug/mL	-0.03
Spiked Amount 200.000	Range 10 - 100		Recovery =	26.15%		
19) Nitrobenzene-d5	6.95	82	4877513m	40.22	ug/mL	-0.06
Spiked Amount 100.000	Range 35 - 114		Recovery =	40.22%		
38) 2-Fluorobiphenyl	9.25	172	6925698	52.77	ug/mL	-0.07
Spiked Amount 100.000	Range 43 - 116		Recovery =	52.77%		
59) 2,4,6-Tribromophenol	11.30	330	1208445	55.27	ug/mL	-0.07
Spiked Amount 200.000	Range 10 - 123		Recovery =	27.64%		
70) Terphenyl-d14	14.57	244	6804145	55.27	ug/mL	-0.07
Spiked Amount 100.000	Range 33 - 141		Recovery =	55.27%		

Target Compounds

						Qvalue
2) N-Nitrosodimethylamine	3.02	74	2188735m	40.16	ug/mL	
3) Pyridine	2.96	79	4054800m	52.72	ug/mL	
6) Aniline	5.95	93	5499760m	41.83	ug/mL	
7) Phenol	6.01	94	5238156	49.81	ug/mL#	
8) Bis(2-chloroethyl)ether	6.03	93	4799896	51.82	ug/mL#	
9) 2-Chlorophenol	6.08	128	3708621	66.48	ug/mL#	
10) 1,3-Dichlorobenzene	6.21	146	3696085m	63.95	ug/mL	
11) 1,4-Dichlorobenzene	6.27	146	4543371m	57.51	ug/mL	
12) Benzyl Alcohol	6.48	108	2383066m	42.49	ug/mL	
13) 1,2-Dichlorobenzene	6.49	146	4005350m	53.96	ug/mL	
14) 2-Methylphenol	6.64	107	3241893m	49.92	ug/mL	
15) Bis(2-chloroisopropyl)ethe	6.65	45	2722423m	51.99	ug/mL	
16) N-Nitrosodi-n-propylamine	6.83	70	3252357m	45.05	ug/mL	
17) 4-Methylphenol	6.83	107	4086278	50.65	ug/mL#	
18) Hexachloroethane	6.84	117	2056810	49.95	ug/mL	
20) Nitrobenzene	6.97	77	4880284m	46.07	ug/mL	
22) Isophorone	7.27	82	8805416m	52.10	ug/mL	
23) 2-Nitrophenol	7.34	139	2004306	67.14	ug/mL#	68
24) 2,4-Dimethylphenol	7.45	122	2784633	63.23	ug/mL	82

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\E23864.D

Vial: 3

Acq On : 12 Apr 2001 2:35 pm

Operator: RB

Sample : 80 ppm BNA CAL STD

Inst : BNA NO 2

Misc : QBSV2041201A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Apr 13 9:48 19101

Quant Results File: BNA2-12.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2-12.M (RTE Integrator)

Title : Semivolatiles by GC/MS - EPA Method 625/8270

Last Update : Wed Apr 04 18:29:24 2001

Response via : Initial Calibration

DataAcq Meth : BNA2-12

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
25) Bis(2-chloroethoxy)methane	7.53	93	4296167	50.27	ug/mL	96
26) Benzoic Acid	7.75	105	2908479	44.67	ug/mL#	77
27) 2,4-Dichlorophenol	7.67	162	3042710	62.02	ug/mL#	83
28) 1,2,4-Trichlorobenzene	7.73	180	3597161	62.79	ug/mL	97
29) Naphthalene	7.82	128	8278821	53.40	ug/mL#	91
30) 4-Chloroaniline	7.92	127	3635723	48.28	ug/mL#	89
31) Hexachlorobutadiene	8.06	225	2285425	48.51	ug/mL	98
32) 4-Chloro-3-methylphenol	8.59	107	3545454	53.89	ug/mL#	76
33) 2-Methylnaphthalene	8.72	142	6103918	45.02	ug/mL#	90
34) Hexachlorocyclopentadiene	9.02	237	2118542	43.08	ug/mL#	99
36) 2,4,6-Trichlorophenol	9.16	196	2434026	63.01	ug/mL#	88
37) 2,4,5-Trichlorophenol	9.21	196	2608336	56.16	ug/mL#	90
39) 2-Chloronaphthalene	9.37	162	5806885	59.04	ug/mL	93
40) 2-Nitroaniline	9.57	138	2037145	54.63	ug/mL#	73
41) Dimethylphthalate	9.92	163	7488165m	62.24	ug/mL	
42) 2,6-Dinitrotoluene	9.98	165	1900659	65.42	ug/mL#	86
43) Acenaphthylene	9.95	152	8822020	58.12	ug/mL	96
44) 3-Nitroaniline	10.21	138	1623751	51.59	ug/mL#	65
45) Acenaphthene	10.21	154	5685473	64.69	ug/mL	94
46) 2,4-Dinitrophenol	10.35	184	1209088	67.19	ug/mL#	70
47) Dibenzofuran	10.44	168	8109947	45.64	ug/mL#	76
48) 2,4-Dinitrotoluene	10.55	165	2335572	68.38	ug/mL#	77
49) 4-Nitrophenol	10.50	65	2221503m	58.56	ug/mL	
50) Diethyl phthalate	10.91	149	7641216	53.24	ug/mL#	93
51) Fluorene	10.92	166	7360627	57.89	ug/mL	97
52) 4-Chlorophenyl phenyl ethe	10.93	204	3693650	55.29	ug/mL	89
53) 4-Nitroaniline	11.11	138	1460204	60.98	ug/mL#	60
54) 4,6-Dinitro-2-methylphenol	11.14	198	1610953	60.24	ug/mL#	87
55) Diphenylamine	11.13	169	4697854	65.85	ug/mL	96
56) N-Nitrosodiphenylamine	11.13	167	1671429	65.14	ug/mL	96
58) Azobenzene	11.17	77	9319473	48.95	ug/mL#	65
60) 4-Bromophenyl phenyl ether	11.62	248	2064234	56.85	ug/mL	88
61) Hexachlorobenzene	11.83	142	986624	52.34	ug/mL	84
62) Pentachlorophenol	12.11	266	1609216	58.39	ug/mL	98
63) Phenanthrene	12.36	178	8282033	53.78	ug/mL#	98
64) Anthracene	12.36	178	8282033	54.26	ug/mL#	98
65) Di-n-butyl phthalate	13.21	149	9906007	46.19	ug/mL	98
66) Fluoranthene	13.99	202	8641080	50.82	ug/mL#	97
67) Benzidine	14.22	184	3415731	86.10	ug/mL#	98
68) Pyrene	14.30	202	8469658	50.51	ug/mL	97
71) Benzyl butyl phthalate	15.33	149	5178940	66.62	ug/mL	94

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

E23864.D BNA2-13.M

Fri Apr 13 09:49:47 2001

000374

Page 2

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\E23864.D
Acq On : 12 Apr 2001 2:35 pm
Sample : 80 ppm BNA CAL STD
Misc : QBSV2041201A
MS Integration Params: rteint.p
Quant Time: Apr 13 9:48 19101

Vial: 3
Operator: RB
Inst : BNA NO 2
Multiplr: 1.00

Quant Results File: BNA2-12.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2-12.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Wed Apr 04 18:29:24 2001
Response via : Initial Calibration
DataAcq Meth : BNA2-12

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
72) Bis(2-ethylhexyl)phthalate	16.21	149	6742878	62.80	ug/mL	93
73) Benz(a)anthracene	16.03	228	8170646	61.44	ug/mL	98
74) 3,3'-Dichlorobenzidine	16.04	252	3554443	84.92	ug/mL	97
75) Chrysene	16.10	228	7573783	65.02	ug/mL#	98
76) Di-n-octylphthalate	17.05	149	11087447	61.40	ug/mL#	97
78) Benzo(b)fluoranthene	17.52	252	11513202	67.44	ug/mL#	98
79) Benzo(k)fluoranthene	17.54	252	7399698m	62.93	ug/mL	
80) Benz(a)pyrene	17.89	252	7733512	66.32	ug/mL#	98
81) Indeno(1,2,3-c,d)pyrene	19.37	276	8655072	64.45	ug/mL#	91
82) Dibenz(a,h)anthracene	19.36	278	7882293	63.68	ug/mL#	97
83) Benzo(g,h,i)perylene	19.71	276	6629954	60.90	ug/mL#	97

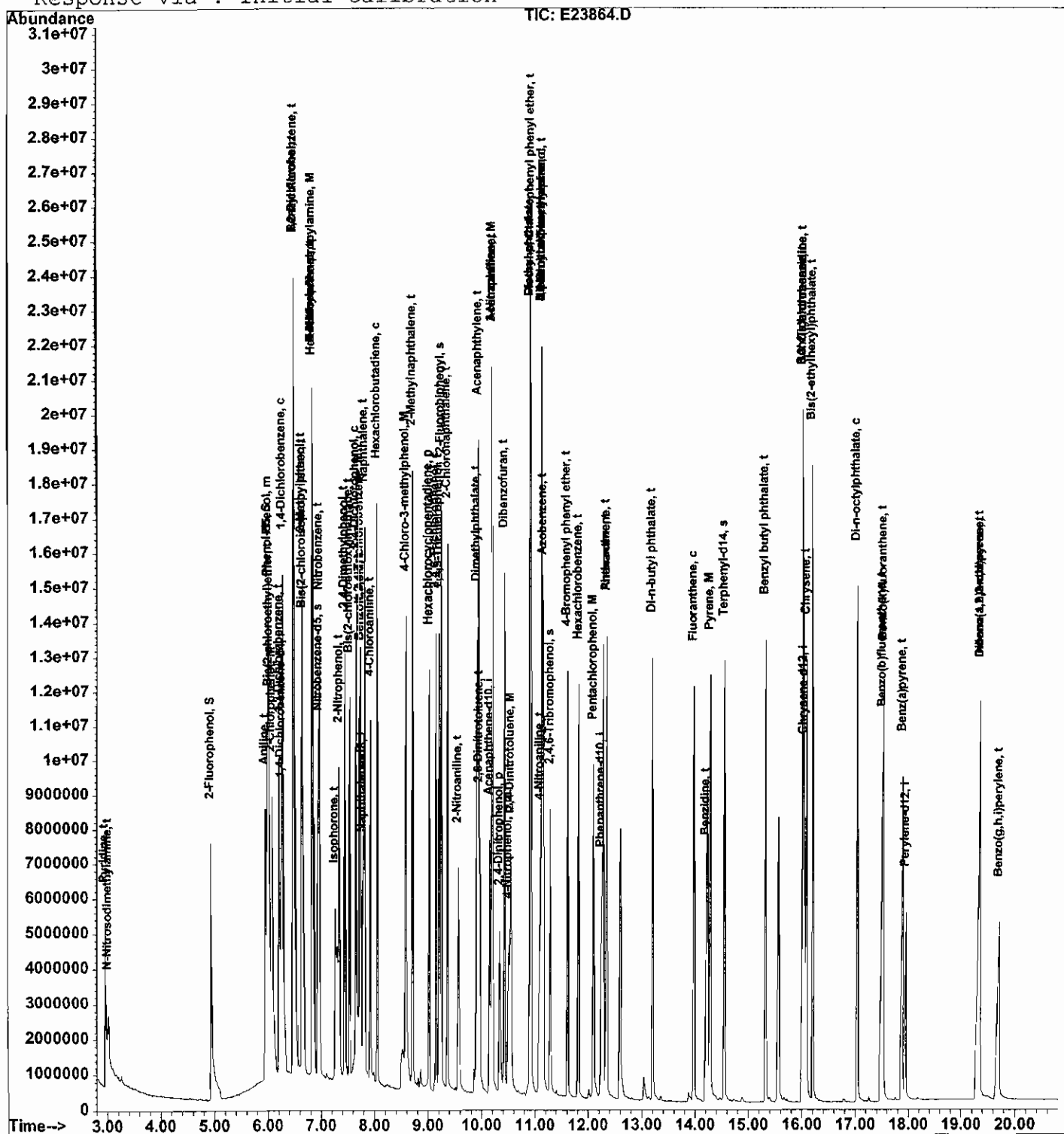
Quantitation Report

Data File : C:\HPCHEM\1\DATA\E23864.D
Acq On : 12 Apr 2001 2:35 pm
Sample : 80 ppm BNA CAL STD
Misc : QBSV2041201A
MS Integration Params: rteint.p
Quant Time: Apr 13 9:48 19101

Vial: 3
Operator: RB
Inst : BNA NO 2
Multiplr: 1.00

Quant Results File: BNA2-12.RES

```
Method      : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)
Title       : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Fri Apr 13 09:29:39 2001
Response via : Initial Calibration
```



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\E23865.D
 Acq On : 12 Apr 2001 3:05 pm
 Sample : 100 ppm BNA CAL STD
 Misc : QBSV2041201A
 MS Integration Params: rteint.p
 Quant Time: Apr 13 9:35 19101

Vial: 4
 Operator: RB
 Inst : BNA NO 2
 Multiplr: 1.00

Quant Results File: BNA2-12.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2-12.M (RTE Integrator)
 Title : Semivolatiles by GC/MS - EPA Method 625/8270
 Last Update : Wed Apr 04 18:29:24 2001
 Response via : Initial Calibration
 DataAcq Meth : BNA2-12

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.26	152	1526411	40.00	ug/mL	-0.05
21) Naphthalene-d8	7.80	136	4590081	40.00	ug/mL	-0.06
35) Acenaphthene-d10	10.16	164	2829103	40.00	ug/mL	-0.07
57) Phenanthrene-d10	12.26	188	4622882	40.00	ug/mL	-0.05
69) Chrysene-d12	16.06	240	4143714	40.00	ug/mL	-0.06
77) Perylene-d12	17.96	264	3449545	40.00	ug/mL	-0.06

System Monitoring Compounds

4) 2-Fluorophenol	4.94	112	5221584	75.35	ug/mL	-0.01
Spiked Amount 200.000	Range 21 - 100		Recovery =	37.68%		
5) Phenol-d5	6.01	99	7087136	64.49	ug/mL	-0.02
Spiked Amount 200.000	Range 10 - 100		Recovery =	32.25%		
19) Nitrobenzene-d5	6.96	82	6825714	47.96	ug/mL	-0.05
Spiked Amount 100.000	Range 35 - 114		Recovery =	47.96%		
38) 2-Fluorobiphenyl	9.26	172	9540622	65.72	ug/mL	-0.07
Spiked Amount 100.000	Range 43 - 116		Recovery =	65.72%		
59) 2,4,6-Tribromophenol	11.31	330	1618264	69.86	ug/mL	-0.05
Spiked Amount 200.000	Range 10 - 123		Recovery =	34.93%		
70) Terphenyl-d14	14.58	244	9043848	64.28	ug/mL	-0.06
Spiked Amount 100.000	Range 33 - 141		Recovery =	64.28%		

Target Compounds

						Qvalue
2) N-Nitrosodimethylamine	3.07	74	3187814m	49.84	ug/mL	
3) Pyridine	2.99	79	6262819m	69.38	ug/mL	
6) Aniline	5.96	93	7625917	49.42	ug/mL#	43
7) Phenol	6.02	94	7972838m	64.60	ug/mL	
8) Bis(2-chloroethyl)ether	6.04	93	6968348	64.10	ug/mL#	91
9) 2-Chlorophenol	6.09	128	5333231	81.46	ug/mL#	79
10) 1,3-Dichlorobenzene	6.21	146	5369991	79.17	ug/mL#	89
11) 1,4-Dichlorobenzene	6.28	146	6564542	70.80	ug/mL	90
12) Benzyl Alcohol	6.50	108	3434750	52.18	ug/mL#	71
13) 1,2-Dichlorobenzene	6.50	146	5711942	65.57	ug/mL#	89
14) 2-Methylphenol	6.66	107	4537126	59.53	ug/mL#	86
15) Bis(2-chloroisopropyl)ethe	6.66	45	4214779m	68.59	ug/mL	
16) N-Nitrosodi-n-propylamine	6.88	70	4555116m	53.76	ug/mL	
17) 4-Methylphenol	6.84	107	5748375	60.71	ug/mL#	85
18) Hexachloroethane	6.84	117	2928696	60.60	ug/mL	94
20) Nitrobenzene	6.98	77	6622639m	53.27	ug/mL	
22) Isophorone	7.29	82	12071366m	61.00	ug/mL	
23) 2-Nitrophenol	7.35	139	3017376	86.32	ug/mL#	63
24) 2,4-Dimethylphenol	7.46	122	3908452	75.79	ug/mL	83

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\E23865.D
 Acq On : 12 Apr 2001 3:05 pm
 Sample : 100 ppm BNA CAL STD
 Misc : QBSV2041201A
 MS Integration Params: rteint.p
 Quant Time: Apr 13 9:35 19101

Vial: 4
 Operator: RB
 Inst : BNA NO 2
 Multiplr: 1.00

Quant Results File: BNA2-12.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2-12.M (RTE Integrator)
 Title : Semivolatiles by GC/MS - EPA Method 625/8270
 Last Update : Wed Apr 04 18:29:24 2001
 Response via : Initial Calibration
 DataAcq Meth : BNA2-12

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
25) Bis(2-chloroethoxy)methane	7.55	93	5841316	58.37	ug/mL	97
26) Benzoic Acid	7.78	105	4125222	54.10	ug/mL#	84
27) 2,4-Dichlorophenol	7.68	162	4250404	73.99	ug/mL#	82
28) 1,2,4-Trichlorobenzene	7.74	180	5053626	75.34	ug/mL	98
29) Naphthalene	7.83	128	10593943	58.35	ug/mL#	90
30) 4-Chloroaniline	7.93	127	5128567	58.16	ug/mL#	88
31) Hexachlorobutadiene	8.06	225	3087952	55.97	ug/mL	97
32) 4-Chloro-3-methylphenol	8.60	107	4853793	63.01	ug/mL#	73
33) 2-Methylnaphthalene	8.73	142	8482437	53.43	ug/mL#	90
34) Hexachlorocyclopentadiene	9.03	237	2950413	51.24	ug/mL#	98
36) 2,4,6-Trichlorophenol	9.16	196	3381431	79.14	ug/mL#	88
37) 2,4,5-Trichlorophenol	9.22	196	3573925	69.57	ug/mL#	91
39) 2-Chloronaphthalene	9.38	162	7944036	73.03	ug/mL	92
40) 2-Nitroaniline	9.59	138	2766280	67.08	ug/mL#	74
41) Dimethylphthalate	9.95	163	8919757m	67.04	ug/mL	
42) 2,6-Dinitrotoluene	10.00	165	2632083m	81.91	ug/mL	
43) Acenaphthylene	9.95	152	11752587	70.00	ug/mL#	92
44) 3-Nitroaniline	10.22	138	1999202m	57.43	ug/mL	
45) Acenaphthene	10.22	154	7774833	79.98	ug/mL	95
46) 2,4-Dinitrophenol	10.36	184	1717403m	86.29	ug/mL	
47) Dibenzofuran	10.45	168	10811088	55.00	ug/mL#	78
48) 2,4-Dinitrotoluene	10.57	165	3156252m	83.55	ug/mL	
49) 4-Nitrophenol	10.52	65	2938193m	70.03	ug/mL	
50) Diethyl phthalate	10.92	149	9727668m	61.28	ug/mL	
51) Fluorene	10.93	166	9640216	68.55	ug/mL	98
52) 4-Chlorophenyl phenyl ethe	10.94	204	4751817	64.31	ug/mL	88
53) 4-Nitroaniline	11.13	138	1994520m	75.31	ug/mL	
54) 4,6-Dinitro-2-methylphenol	11.16	198	2140465	72.37	ug/mL#	56
55) Diphenylamine	11.15	169	5683737	72.04	ug/mL	94
56) N-Nitrosodiphenylamine	11.15	167	1971579	69.47	ug/mL	94
58) Azobenzene	11.18	77	12755521m	63.25	ug/mL	
60) 4-Bromophenyl phenyl ether	11.63	248	2804876	72.93	ug/mL	87
61) Hexachlorobenzene	11.84	142	1314768	65.84	ug/mL#	82
62) Pentachlorophenol	12.12	266	2239137m	76.70	ug/mL	
63) Phenanthrene	12.30	178	11818779m	72.46	ug/mL	
64) Anthracene	12.37	178	10796958m	66.77	ug/mL	
65) Di-n-butyl phthalate	13.22	149	11725428	51.62	ug/mL#	97
66) Fluoranthene	14.00	202	11152710	61.92	ug/mL#	95
67) Benzidine	14.23	184	4504420	107.18	ug/mL#	98
68) Pyrene	14.31	202	11203720	63.07	ug/mL#	87
71) Benzyl butyl phthalate	15.34	149	6972121	78.47	ug/mL	92

Data File : C:\HPCHEM\1\DATA\E23865.D
 Acq On : 12 Apr 2001 3:05 pm
 Sample : 100 ppm BNA CAL STD
 Misc : QBSV2041201A
 MS Integration Params: rteint.p
 Quant Time: Apr 13 9:35 19101

Vial: 4
 Operator: RB
 Inst : BNA NO 2
 Multiplr: 1.00

Quant Results File: BNA2-12.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2-12.M (RTE Integrator)
 Title : Semivolatiles by GC/MS - EPA Method 625/8270
 Last Update : Wed Apr 04 18:29:24 2001
 Response via : Initial Calibration
 DataAcq Meth : BNA2-12

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
72) Bis(2-ethylhexyl)phthalate	16.22	149	8807046	71.77	ug/mL	92
73) Benz(a)anthracene	16.04	228	11056248	72.73	ug/mL	97
74) 3,3'-Dichlorobenzidine	16.06	252	4830903	100.97	ug/mL	96
75) Chrysene	16.12	228	10233532	76.86	ug/mL#	96
76) Di-n-octylphthalate	17.06	149	13463627	65.23	ug/mL#	92
78) Benzo(b)fluoranthene	17.53	252	16189318	83.38	ug/mL#	96
79) Benzo(k)fluoranthene	17.56	252	12394660m	92.69	ug/mL	
80) Benz(a)pyrene	17.91	252	10783589	81.32	ug/mL#	96
81) Indeno(1,2,3-c,d)pyrene	19.39	276	11846433	77.57	ug/mL#	91
82) Dibenz(a,h)anthracene	19.39	278	10872872	77.24	ug/mL#	96
83) Benzo(g,h,i)perylene	19.74	276	9008486	72.76	ug/mL#	97

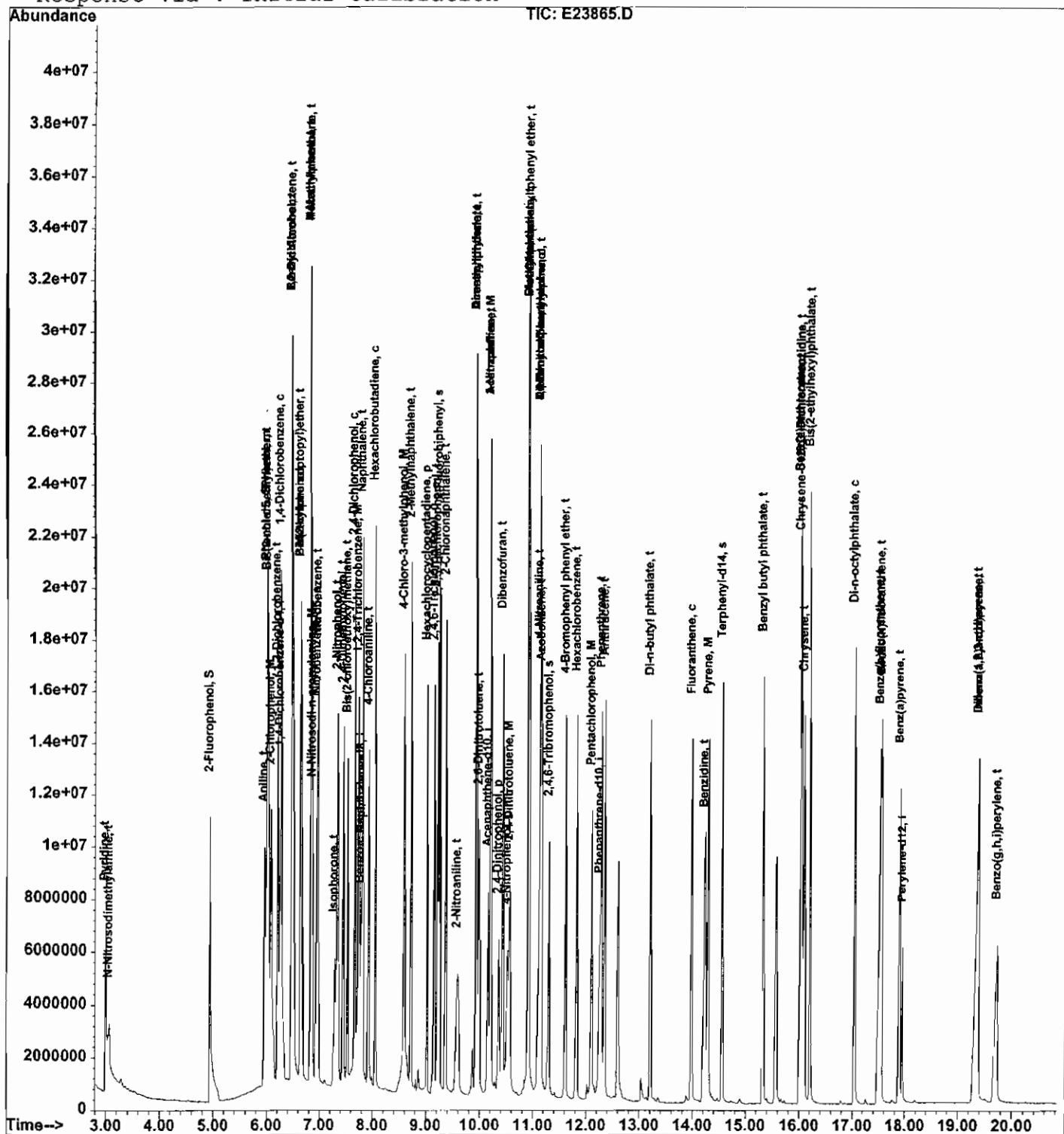
Quantitation Report

Data File : C:\HPCHEM\1\DATA\E23865.D
Acq On : 12 Apr 2001 3:05 pm
Sample : 100 ppm BNA CAL STD
Misc : QBSV2041201A
MS Integration Params: rteint.p
Quant Time: Apr 13 9:35 19101

Vial: 4
Operator: RB
Inst : BNA NO 2
Multiplr: 1.00

Quant Results File: BNA2-12.RES

```
Method      : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)
Title       : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Fri Apr 13 09:29:39 2001
Response via : Initial Calibration
```



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\E23866.D
 Acq On : 12 Apr 2001 3:36 pm
 Sample : 120 ppm BNA CAL STD
 Misc : QBSV2041201A
 MS Integration Params: rteint.p
 Quant Time: Apr 13 9:43 19101

Vial: 5
 Operator: RB
 Inst : BNA NO 2
 Multiplr: 1.00

Quant Results File: BNA2-12.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2-12.M (RTE Integrator)
 Title : Semivolatiles by GC/MS - EPA Method 625/8270
 Last Update : Wed Apr 04 18:29:24 2001
 Response via : Initial Calibration
 DataAcq Meth : BNA2-12

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.27	152	1614858	40.00	ug/mL	-0.05
21) Naphthalene-d8	7.81	136	4900866	40.00	ug/mL	-0.05
35) Acenaphthene-d10	10.17	164	2969010	40.00	ug/mL	-0.06
57) Phenanthrene-d10	12.28	188	4841127	40.00	ug/mL	-0.03
69) Chrysene-d12	16.08	240	4505094	40.00	ug/mL	-0.04
77) Perylene-d12	17.98	264	3584099	40.00	ug/mL	-0.04

System Monitoring Compounds

4) 2-Fluorophenol	4.96	112	6507680	88.76	ug/mL	0.00
Spiked Amount 200.000	Range 21 - 100		Recovery =	44.38%		
5) Phenol-d5	6.03	99	9113889	78.39	ug/mL	0.00
Spiked Amount 200.000	Range 10 - 100		Recovery =	39.20%		
19) Nitrobenzene-d5	6.97	82	8545682	56.75	ug/mL	-0.04
Spiked Amount 100.000	Range 35 - 114		Recovery =	56.75%		
38) 2-Fluorobiphenyl	9.27	172	12162567	79.84	ug/mL	-0.06
Spiked Amount 100.000	Range 43 - 116		Recovery =	79.84%		
59) 2,4,6-Tribromophenol	11.33	330	2138385	88.16	ug/mL	-0.03
Spiked Amount 200.000	Range 10 - 123		Recovery =	44.08%		
70) Terphenyl-d14	14.59	244	11455150	74.88	ug/mL	-0.05
Spiked Amount 100.000	Range 33 - 141		Recovery =	74.88%		

Target Compounds

						Qvalue
2) N-Nitrosodimethylamine	3.07	74	4117790m	60.86	ug/mL	
3) Pyridine	3.00	79	7417904m	77.68	ug/mL	
6) Aniline	5.97	93	9561315	58.57	ug/mL#	43
7) Phenol	6.03	94	10042309m	76.91	ug/mL	
8) Bis(2-chloroethyl)ether	6.05	93	8985150	78.13	ug/mL#	89
9) 2-Chlorophenol	6.10	128	6752731	97.49	ug/mL#	77
10) 1,3-Dichlorobenzene	6.22	146	6850942	95.48	ug/mL#	89
11) 1,4-Dichlorobenzene	6.29	146	8051555	82.09	ug/mL	90
12) Benzyl Alcohol	6.54	108	4370257	62.75	ug/mL#	72
13) 1,2-Dichlorobenzene	6.50	146	7040618	76.40	ug/mL#	89
14) 2-Methylphenol	6.67	107	5938836	73.66	ug/mL#	87
15) Bis(2-chloroisopropyl)ethe	6.67	45	5418510m	83.35	ug/mL	
16) N-Nitrosodi-n-propylamine	6.89	70	5962524m	66.52	ug/mL	
17) 4-Methylphenol	6.87	107	7459749m	74.47	ug/mL	
18) Hexachloroethane	6.85	117	3641684	71.23	ug/mL	92
20) Nitrobenzene	6.99	77	8278763m	62.95	ug/mL	
22) Isophorone	7.33	82	15671717m	74.17	ug/mL	
23) 2-Nitrophenol	7.36	139	3967647	106.31	ug/mL#	63
24) 2,4-Dimethylphenol	7.48	122	5073857	92.15	ug/mL	81

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

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\E23866.D
 Acq On : 12 Apr 2001 3:36 pm
 Sample : 120 ppm BNA CAL STD
 Misc : QBSV2041201A
 MS Integration Params: rteint.p
 Quant Time: Apr 13 9:43 19101

Vial: 5
 Operator: RB
 Inst : BNA NO 2
 Multiplr: 1.00

Quant Results File: BNA2-12.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2-12.M (RTE Integrator)
 Title : Semivolatiles by GC/MS - EPA Method 625/8270
 Last Update : Wed Apr 04 18:29:24 2001
 Response via : Initial Calibration
 DataAcq Meth : BNA2-12

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
25) Bis(2-chloroethoxy)methane	7.56	93	7450438	69.73	ug/mL	95
26) Benzoic Acid	7.82	105	5689731	69.89	ug/mL#	91
27) 2,4-Dichlorophenol	7.69	162	5585169	91.05	ug/mL#	80
28) 1,2,4-Trichlorobenzene	7.75	180	6475770	90.42	ug/mL	97
29) Naphthalene	7.84	128	12493308	64.45	ug/mL#	90
30) 4-Chloroaniline	7.95	127	6619830	70.31	ug/mL#	87
31) Hexachlorobutadiene	8.06	225	3820340	64.86	ug/mL	96
32) 4-Chloro-3-methylphenol	8.61	107	6355505	77.27	ug/mL#	73
33) 2-Methylnaphthalene	8.73	142	10879340	64.19	ug/mL#	92
34) Hexachlorocyclopentadiene	9.03	237	4084509	66.43	ug/mL#	96
36) 2,4,6-Trichlorophenol	9.18	196	4562122	101.74	ug/mL#	88
37) 2,4,5-Trichlorophenol	9.24	196	4639148	86.05	ug/mL#	90
39) 2-Chloronaphthalene	9.39	162	10324807	90.44	ug/mL	93
40) 2-Nitroaniline	9.64	138	3665818m	84.70	ug/mL	
41) Dimethylphthalate	9.98	163	12755877m	91.35	ug/mL	
42) 2,6-Dinitrotoluene	10.03	165	3414662m	101.26	ug/mL	
43) Acenaphthylene	9.96	152	14877878	84.44	ug/mL#	90
44) 3-Nitroaniline	10.25	138	2767875m	75.77	ug/mL	
45) Acenaphthene	10.23	154	10191975	99.91	ug/mL	95
46) 2,4-Dinitrophenol	10.39	184	2361657m	113.06	ug/mL	
47) Dibenzofuran	10.46	168	14630185	70.93	ug/mL#	77
48) 2,4-Dinitrotoluene	10.60	165	4495471m	113.39	ug/mL	
49) 4-Nitrophenol	10.55	65	3984844m	90.50	ug/mL	
50) Diethyl phthalate	10.95	149	12209496m	73.29	ug/mL	
51) Fluorene	10.96	166	12445910	84.33	ug/mL	97
52) 4-Chlorophenyl phenyl ethe	10.96	204	5884071	75.88	ug/mL#	88
53) 4-Nitroaniline	11.17	138	2851623	102.60	ug/mL#	55
54) 4,6-Dinitro-2-methylphenol	11.19	198	2979259m	95.98	ug/mL	
55) Diphenylamine	11.17	169	8422715m	101.72	ug/mL	
56) N-Nitrosodiphenylamine	11.17	167	2916706m	97.93	ug/mL	
58) Azobenzene	11.19	77	16288783m	77.12	ug/mL	
60) 4-Bromophenyl phenyl ether	11.64	248	3680971	91.39	ug/mL	88
61) Hexachlorobenzene	11.85	142	1725924	82.53	ug/mL#	81
62) Pentachlorophenol	12.13	266	2816313	92.12	ug/mL	99
63) Phenanthrene	12.32	178	15788304m	92.43	ug/mL	
64) Anthracene	12.38	178	12340886	72.88	ug/mL#	93
65) Di-n-butyl phthalate	13.23	149	14528028	61.07	ug/mL#	94
66) Fluoranthene	14.01	202	14317854	75.90	ug/mL#	94
67) Benzidine	14.26	184	6654904	151.22	ug/mL#	97
68) Pyrene	14.33	202	14714203	79.10	ug/mL#	90
71) Benzyl butyl phthalate	15.35	149	9053117	93.71	ug/mL	92

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\E23866.D
 Acq On : 12 Apr 2001 3:36 pm
 Sample : 120 ppm BNA CAL STD
 Misc : QBSV2041201A
 MS Integration Params: rteint.p
 Quant Time: Apr 13 9:43 19101

Vial: 5
 Operator: RB
 Inst : BNA NO 2
 Multiplr: 1.00

Quant Results File: BNA2-12.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2-12.M (RTE Integrator)
 Title : Semivolatiles by GC/MS - EPA Method 625/8270
 Last Update : Wed Apr 04 18:29:24 2001
 Response via : Initial Calibration
 DataAcq Meth : BNA2-12

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
72) Bis(2-ethylhexyl)phthalate	16.23	149	10977340	82.28	ug/mL#	89
73) Benz(a)anthracene	16.05	228	14756489	89.29	ug/mL	97
74) 3,3'-Dichlorobenzidine	16.08	252	6115956	117.57	ug/mL	96
75) Chrysene	16.13	228	12843264	88.72	ug/mL#	95
76) Di-n-octylphthalate	17.06	149	16018828	71.38	ug/mL#	90
78) Benzo(b)fluoranthene	17.56	252	20151430	99.89	ug/mL#	94
79) Benzo(k)fluoranthene	17.58	252	14607828m	105.14	ug/mL	
80) Benz(a)pyrene	17.93	252	13635636	98.97	ug/mL#	94
81) Indeno(1,2,3-c,d)pyrene	19.42	276	16491081	103.92	ug/mL#	91
82) Dibenz(a,h)anthracene	19.42	278	14971595	102.36	ug/mL#	96
83) Benzo(g,h,i)perylene	19.77	276	12880258	100.12	ug/mL#	96

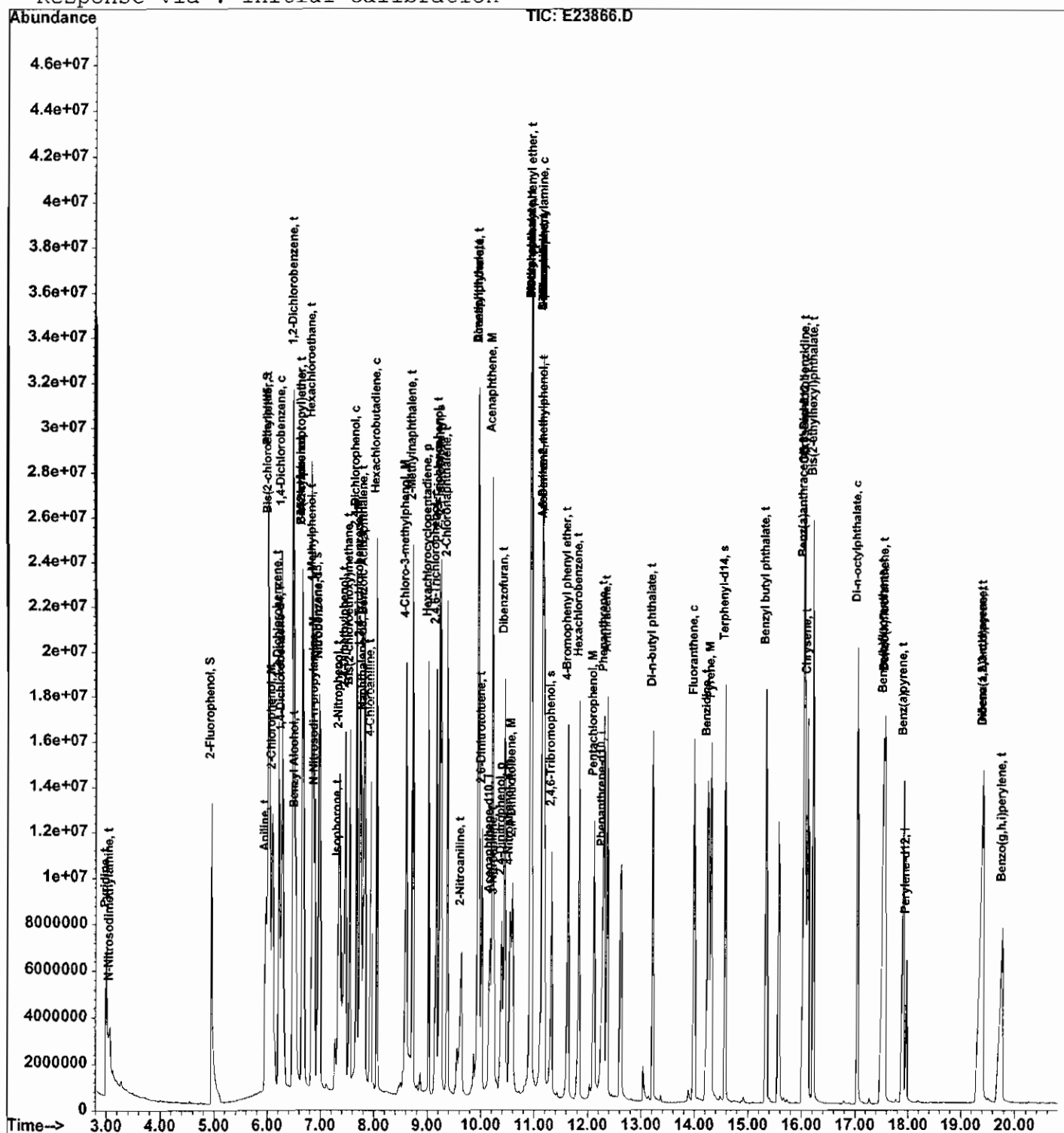
Quantitation Report

Data File : C:\HPCHEM\1\DATA\E23866.D
Acq On : 12 Apr 2001 3:36 pm
Sample : 120 ppm BNA CAL STD
Misc : QBSV2041201A
MS Integration Params: rteint.p
Quant Time: Apr 13 9:43 19101

Vial: 5
Operator: RB
Inst : BNA NO 2
Multiplr: 1.00

Quant Results File: BNA2-12.RES

```
Method      : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)
Title       : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Fri Apr 13 09:29:39 2001
Response via : Initial Calibration
```



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\E23867.D

Vial: 6

Acq On : 12 Apr 2001 4:05 pm

Operator: RB

Sample : 140 ppm BNA CAL STD

Inst : BNA NO 2

Misc : QBSV2041201A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Apr 13 9:46 19101

Quant Results File: BNA2-12.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2-12.M (RTE Integrator)

Title : Semivolatiles by GC/MS - EPA Method 625/8270

Last Update : Wed Apr 04 18:29:24 2001

Response via : Initial Calibration

DataAcq Meth : BNA2-12

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.26	152	1393865	40.00	ug/mL	-0.05
21) Naphthalene-d8	7.80	136	4255059	40.00	ug/mL	-0.06
35) Acenaphthene-d10	10.17	164	2576055	40.00	ug/mL	-0.06
57) Phenanthrene-d10	12.28	188	4309312m	40.00	ug/mL	-0.03
69) Chrysene-d12	16.08	240	4293954	40.00	ug/mL	-0.04
77) Perylene-d12	17.98	264	3350117	40.00	ug/mL	-0.04

System Monitoring Compounds

4) 2-Fluorophenol	4.95	112	6417462	101.41	ug/mL	0.00
Spiked Amount	200.000	Range	21 - 100	Recovery	=	50.71%
5) Phenol-d5	6.02	99	8971686	89.40	ug/mL	0.00
Spiked Amount	200.000	Range	10 - 100	Recovery	=	44.70%
19) Nitrobenzene-d5	6.97	82	8377802	64.46	ug/mL	-0.04
Spiked Amount	100.000	Range	35 - 114	Recovery	=	64.46%
38) 2-Fluorobiphenyl	9.27	172	11863104	89.75	ug/mL	-0.05
Spiked Amount	100.000	Range	43 - 116	Recovery	=	89.75%
59) 2,4,6-Tribromophenol	11.33	330	2262400m	104.78	ug/mL	-0.04
Spiked Amount	200.000	Range	10 - 123	Recovery	=	52.39%
70) Terphenyl-d14	14.59	244	12194072	83.63	ug/mL	-0.05
Spiked Amount	100.000	Range	33 - 141	Recovery	=	83.63%

Target Compounds

						Qvalue
2) N-Nitrosodimethylamine	3.07	74	3971283m	68.00	ug/mL	
3) Pyridine	2.99	79	7621584m	92.46	ug/mL	
6) Aniline	5.96	93	8942966	63.47	ug/mL#	43
7) Phenol	6.04	94	9953355m	88.31	ug/mL	
8) Bis(2-chloroethyl)ether	6.04	93	9228718	92.97	ug/mL#	84
9) 2-Chlorophenol	6.10	128	6701982	112.10	ug/mL#	80
10) 1,3-Dichlorobenzene	6.22	146	6499666	104.94	ug/mL#	89
11) 1,4-Dichlorobenzene	6.28	146	8331000	98.40	ug/mL	90
12) Benzyl Alcohol	6.53	108	4338652	72.18	ug/mL#	71
13) 1,2-Dichlorobenzene	6.50	146	7045751	88.58	ug/mL#	89
14) 2-Methylphenol	6.66	107	5867925	84.32	ug/mL#	87
15) Bis(2-chloroisopropyl)ethe	6.66	45	6910527m	123.16	ug/mL	
16) N-Nitrosodi-n-propylamine	6.89	70	5657621m	73.12	ug/mL	
17) 4-Methylphenol	6.86	107	7352893	85.04	ug/mL#	86
18) Hexachloroethane	6.84	117	3631147	82.29	ug/mL	93
20) Nitrobenzene	6.99	77	7849307	69.14	ug/mL#	85
22) Isophorone	7.32	82	15310715m	83.46	ug/mL	
23) 2-Nitrophenol	7.36	139	3951447	121.94	ug/mL#	61
24) 2,4-Dimethylphenol	7.48	122	5072770	106.11	ug/mL#	80

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

E23867.D BNA2-13.M

Fri Apr 13 09:50:22 2001

000385

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\E23867.D

Vial: 6

Acq On : 12 Apr 2001 4:05 pm

Operator: RB

Sample : 140 ppm BNA CAL STD

Inst : BNA NO 2

Misc : QBSV2041201A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Apr 13 9:46 19101

Quant Results File: BNA2-12.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2-12.M (RTE Integrator)

Title : Semivolatiles by GC/MS - EPA Method 625/8270

Last Update : Wed Apr 04 18:29:24 2001

Response via : Initial Calibration

DataAcq Meth : BNA2-12

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
25) Bis(2-chloroethoxy)methane	7.56	93	7280892	78.49	ug/mL	96
26) Benzoic Acid	7.83	105	5639633	79.78	ug/mL#	92
27) 2,4-Dichlorophenol	7.69	162	5471631	102.74	ug/mL#	79
28) 1,2,4-Trichlorobenzene	7.74	180	6400902	102.93	ug/mL	97
29) Naphthalene	7.84	128	12771015	75.88	ug/mL#	92
30) 4-Chloroaniline	7.95	127	6497309	79.49	ug/mL#	88
31) Hexachlorobutadiene	8.07	225	3733572	73.01	ug/mL	97
32) 4-Chloro-3-methylphenol	8.61	107	6263557	87.71	ug/mL#	72
33) 2-Methylnaphthalene	8.74	142	10485638	71.25	ug/mL#	91
34) Hexachlorocyclopentadiene	9.03	237	3791568	71.03	ug/mL#	97
36) 2,4,6-Trichlorophenol	9.17	196	4357850	112.01	ug/mL#	87
37) 2,4,5-Trichlorophenol	9.24	196	4541817	97.10	ug/mL#	91
39) 2-Chloronaphthalene	9.39	162	10038242	101.35	ug/mL	93
40) 2-Nitroaniline	9.63	138	3618254m	96.36	ug/mL	
41) Dimethylphthalate	9.97	163	12439925m	102.68	ug/mL	
42) 2,6-Dinitrotoluene	10.03	165	3351025m	114.53	ug/mL	
43) Acenaphthylene	9.97	152	14285456	93.45	ug/mL#	90
44) 3-Nitroaniline	10.26	138	2886684m	91.07	ug/mL	
45) Acenaphthene	10.23	154	9855501	111.35	ug/mL	94
46) 2,4-Dinitrophenol	10.39	184	2279967	125.80	ug/mL#	67
47) Dibenzofuran	10.46	168	13916631	77.76	ug/mL#	78
48) 2,4-Dinitrotoluene	10.59	165	4439110m	129.05	ug/mL	
49) 4-Nitrophenol	10.55	65	3916087m	102.51	ug/mL	
50) Diethyl phthalate	10.94	149	11589021m	80.18	ug/mL	
51) Fluorene	10.94	166	11851097	92.55	ug/mL	98
52) 4-Chlorophenyl phenyl ethe	10.96	204	5582454	82.97	ug/mL#	88
53) 4-Nitroaniline	11.17	138	2958379	122.68	ug/mL#	53
54) 4,6-Dinitro-2-methylphenol	11.19	198	2907665	107.97	ug/mL#	58
55) Diphenylamine	11.16	169	8151754m	113.47	ug/mL	
56) N-Nitrosodiphenylamine	11.16	167	2821530m	109.18	ug/mL	
58) Azobenzene	11.20	77	15782523m	83.95	ug/mL	
60) 4-Bromophenyl phenyl ether	11.64	248	3661027	102.12	ug/mL#	
61) Hexachlorobenzene	11.84	142	1692620	90.93	ug/mL#	
62) Pentachlorophenol	12.13	266	2997479	110.14	ug/mL	
63) Phenanthrene	12.32	178	15066552m	99.09	ug/mL	
64) Anthracene	12.39	178	13342735m	88.52	ug/mL	
65) Di-n-butyl phthalate	13.23	149	14171066	66.92	ug/mL#	
66) Fluoranthene	14.01	202	14661769	87.32	ug/mL#	
67) Benzidine	14.25	184	6206362	158.43	ug/mL#	
68) Pyrene	14.33	202	15017801	90.70	ug/mL#	
71) Benzyl butyl phthalate	15.36	149	9565427	103.88	ug/mL	92

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

E23867.D BNA2-13.M

Fri Apr 13 09:50:23 2001

000386

Page 2

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\E23867.D

Vial: 6

Acq On : 12 Apr 2001 4:05 pm

Operator: RB

Sample : 140 ppm BNA CAL STD

Inst : BNA NO 2

Misc : QBSV2041201A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Apr 13 9:46 19101

Quant Results File: BNA2-12.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2-12.M (RTE Integrator)

Title : Semivolatiles by GC/MS - EPA Method 625/8270

Last Update : Wed Apr 04 18:29:24 2001

Response via : Initial Calibration

DataAcq Meth : BNA2-12

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
72) Bis(2-ethylhexyl)phthalate	16.23	149	11705205	92.05	ug/mL#	89
73) Benz(a)anthracene	16.05	228	15834036	100.52	ug/mL	97
74) 3,3'-Dichlorobenzidine	16.08	252	6667080	134.47	ug/mL	96
75) Chrysene	16.14	228	13485761	97.74	ug/mL#	94
76) Di-n-octylphthalate	17.06	149	16858153	78.81	ug/mL#	88
78) Benzo(b)fluoranthene	17.57	252	22909921m	121.50	ug/mL	
79) Benzo(k)fluoranthene	17.59	252	17039143m	131.21	ug/mL	
80) Benz(a)pyrene	17.93	252	14779752	114.76	ug/mL#	94
81) Indeno(1,2,3-c,d)pyrene	19.42	276	15464902	104.26	ug/mL#	91
82) Dibenz(a,h)anthracene	19.41	278	14027175	102.61	ug/mL#	96
83) Benzo(g,h,i)perylene	19.77	276	11535801	95.94	ug/mL#	97

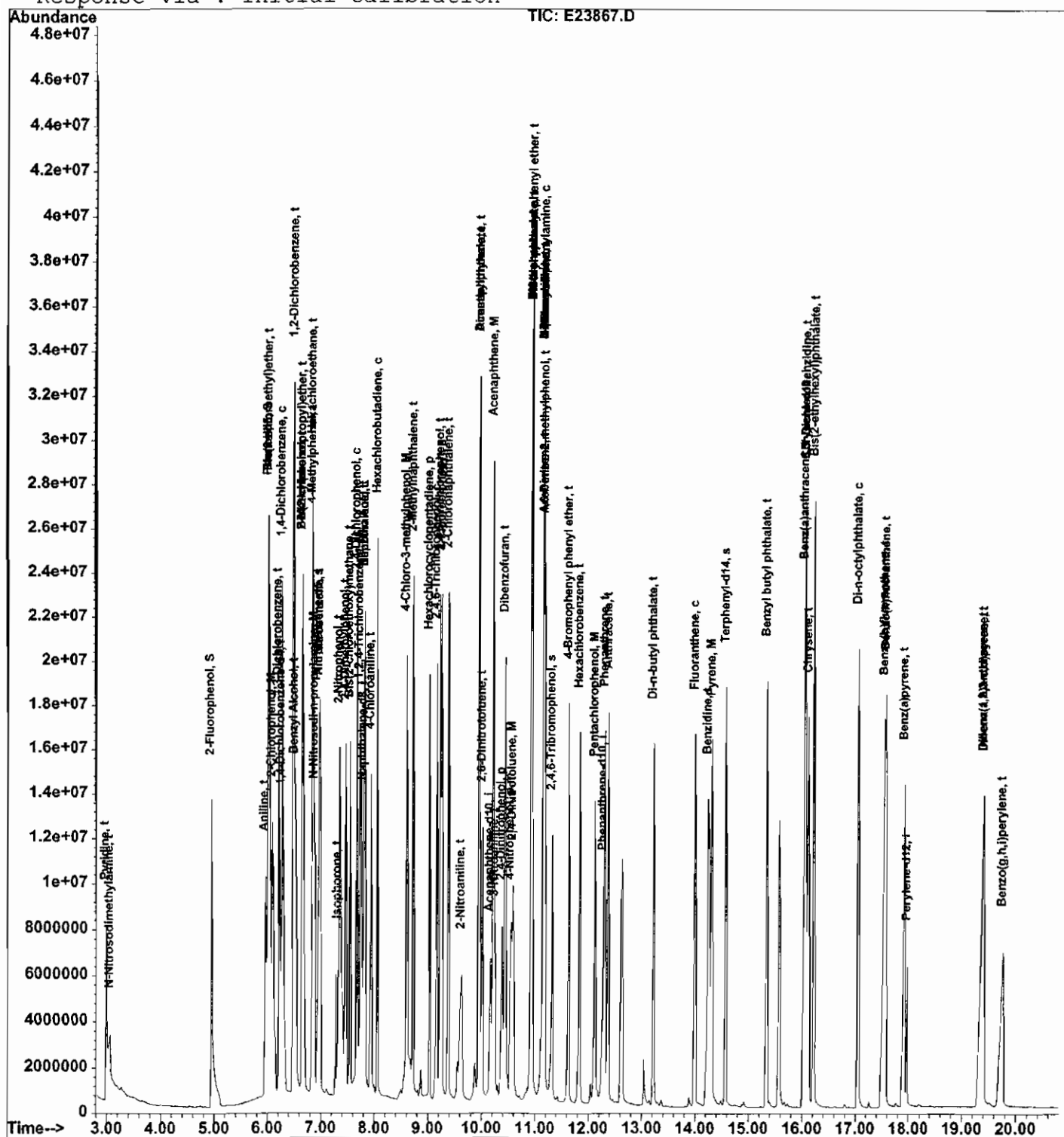
Quantitation Report

Data File : C:\HPCHEM\1\DATA\E23867.D
Acq On : 12 Apr 2001 4:05 pm
Sample : 140 ppm BNA CAL STD
Misc : QBSV2041201A
MS Integration Params: rteint.p
Quant Time: Apr 13 9:46 19101

Vial: 6
Operator: RB
Inst : BNA NO 2
Multiplr: 1.00

Quant Results File: BNA2-12.RES

```
Method       : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)
Title        : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update   : Fri Apr 13 09:29:39 2001
Response via  : Initial Calibration
```



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E23875.D
Acq On : 12 Apr 2001 8:04 pm
Sample : 01040168-01 \$8270W ASPB 900ML\1ML
Misc : QBSV2041201A
MS Integration Params: rteint.p
Quant Time: Aug 21 15:22 19101

Vial: 14
Operator: RB
Inst : BNA NO 2
Multiplr: 1.10

Quant Results File: BNA2-13.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Fri Apr 13 09:29:39 2001
Response via : Initial Calibration
DataAcq Meth : BNA2-12

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.25	152	1097257	40.00	ug/mL	-0.01
21) Naphthalene-d8	7.77	136	3662763	40.00	ug/mL	-0.02
35) Acenaphthene-d10	10.15	164	2296344	40.00	ug/mL	-0.01
57) Phenanthrene-d10	12.23	188	3679178	40.00	ug/mL	-0.03
69) Chrysene-d12	16.03	240	2911785	40.00	ug/mL	-0.03
77) Perylene-d12	17.93	264	2637135	40.00	ug/mL	-0.03

System Monitoring Compounds

4) 2-Fluorophenol	4.92	112	2431759	56.66	ug/mL	-0.02
Spiked Amount	200.000	Range	21 - 100	Recovery	=	28.33%
5) Phenol-d5	5.97	99	1943408	33.10	ug/mL	-0.03
Spiked Amount	200.000	Range	10 - 100	Recovery	=	16.55%
19) Nitrobenzene-d5	6.93	82	5045430	86.82	ug/mL	-0.01
Spiked Amount	100.000	Range	35 - 114	Recovery	=	86.82%
38) 2-Fluorobiphenyl	9.24	172	4818782	54.14	ug/mL	-0.01
Spiked Amount	100.000	Range	43 - 116	Recovery	=	54.14%
59) 2,4,6-Tribromophenol	11.29	330	1951072	134.00	ug/mL	-0.01
Spiked Amount	200.000	Range	10 - 123	Recovery	=	67.00%
70) Terphenyl-d14	14.56	244	5212245	70.10	ug/mL	0.00
Spiked Amount	100.000	Range	33 - 141	Recovery	=	70.10%

Target Compounds

Qvalue

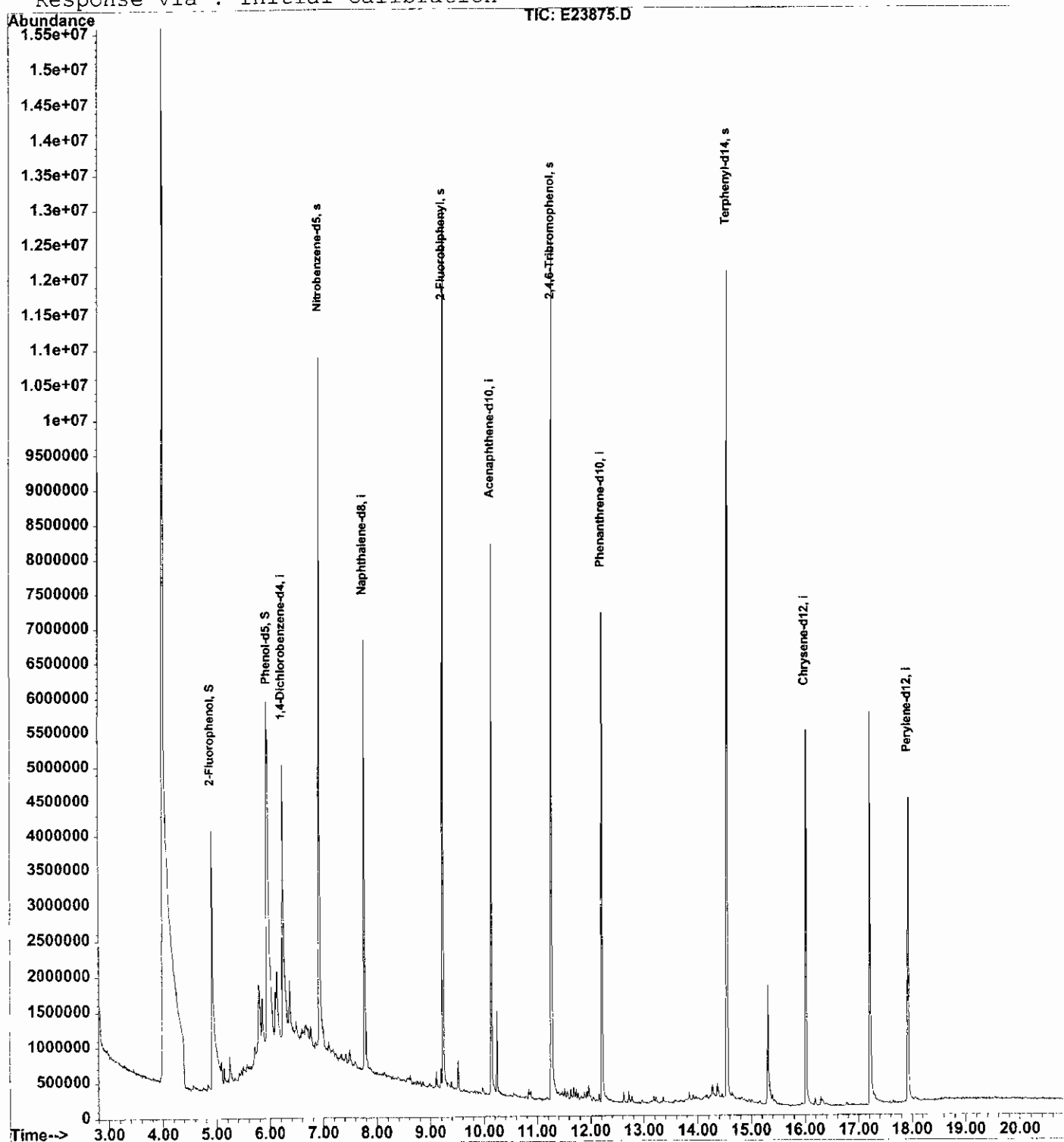
Quantitation Report

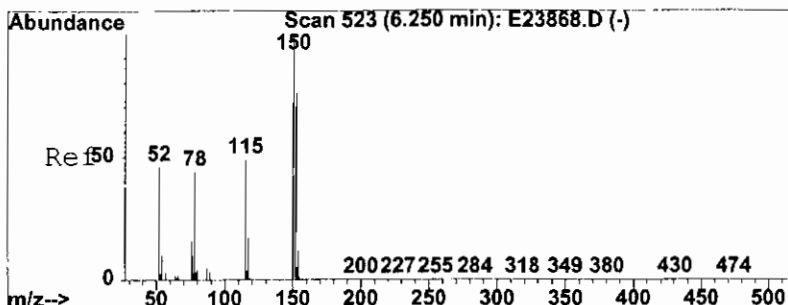
Data File : C:\HPCHEM\1\DATA\E23875.D
 Acq On : 12 Apr 2001 8:04 pm
 Sample : 01040168-01 \$8270W ASPB 900ML\1ML
 Misc : QBSV2041201A
 MS Integration Params: rteint.p
 Quant Time: Aug 21 15:22 19101

Vial: 14
 Operator: RB
 Inst : BNA NO 2
 Multiplr: 1.10

Quant Results File: BNA2-13.RES

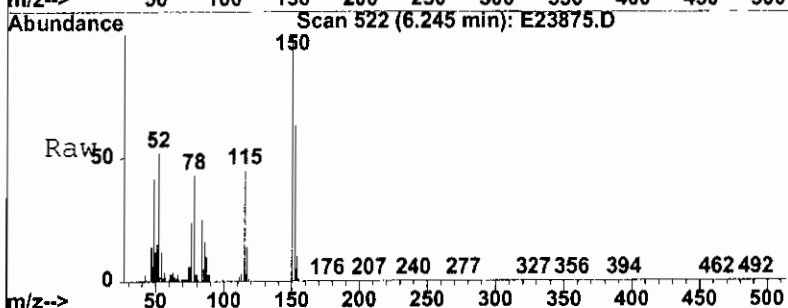
Method : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)
 Title : Semivolatiles by GC/MS - EPA Method 625/8270
 Last Update : Fri Apr 13 09:29:39 2001
 Response via : Initial Calibration





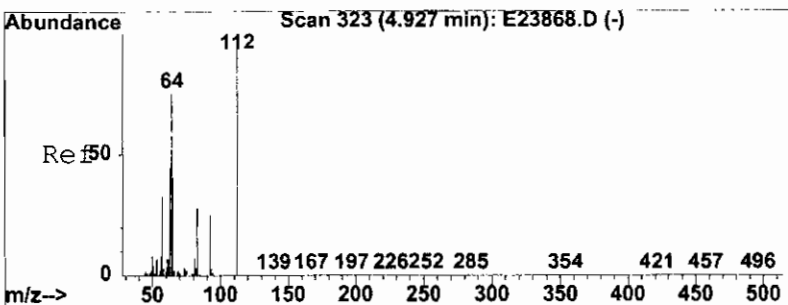
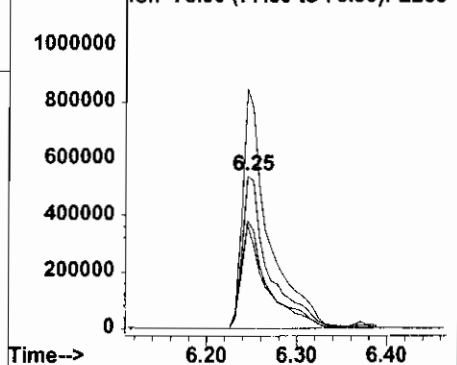
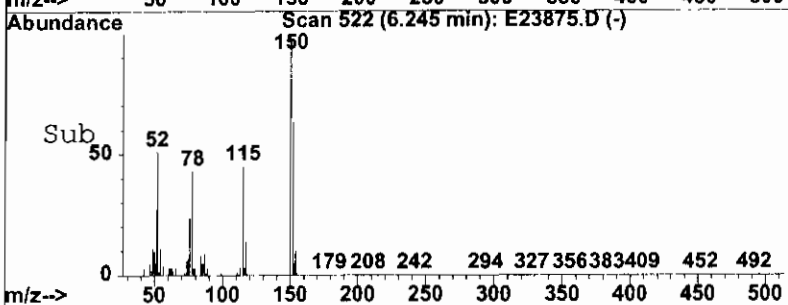
#1
1,4-Dichlorobenzene-d4
Concen: 40.00 ug/mL
RT: 6.25 min Scan# 522
Delta R.T. -0.01 min
Lab File: E23875.D
Acq: 12 Apr 2001 8:04 pm

Tgt Ion: 152 Resp: 1097257
Ion Ratio Lower Upper
152 100
150 154.6 169.4 254.2#
115 70.1 70.3 105.5#
78 64.8 76.0 114.0#



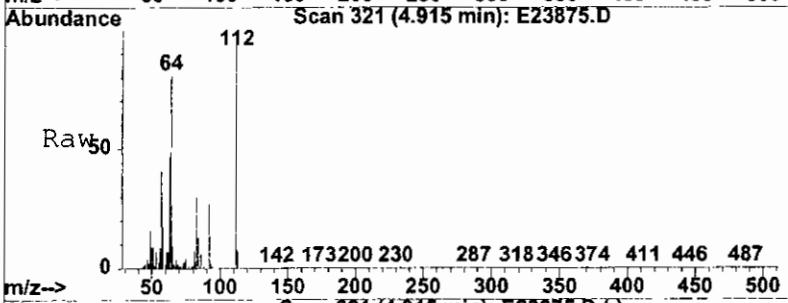
Abundance

Ion 152.00 (151.50 to 152.50): E2



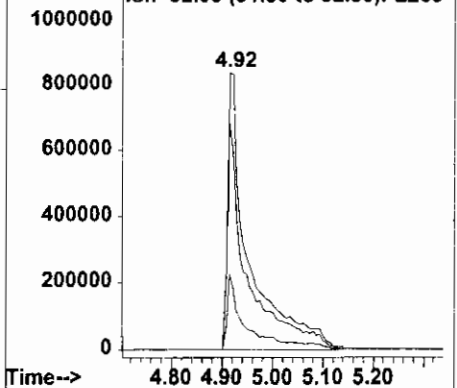
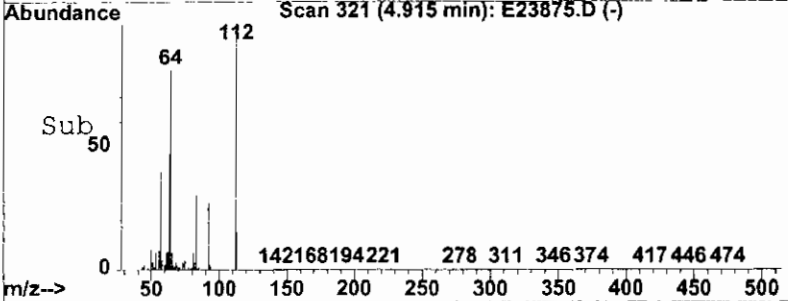
#4
2-Fluorophenol
Concen: 56.66 ug/mL
RT: 4.92 min Scan# 321
Delta R.T. -0.02 min
Lab File: E23875.D
Acq: 12 Apr 2001 8:04 pm

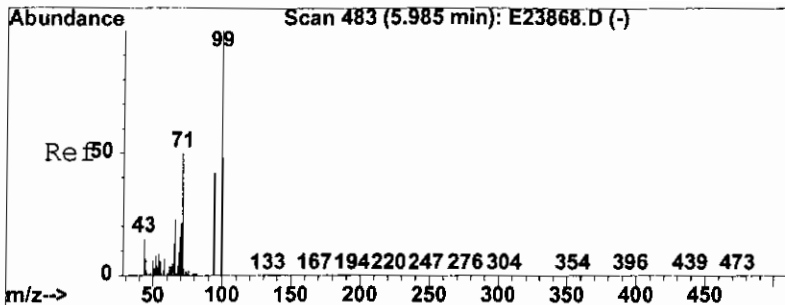
Tgt Ion: 112 Resp: 2431759
Ion Ratio Lower Upper
112 100
64 77.6 58.7 88.1
92 23.9 18.2 27.2



Abundance

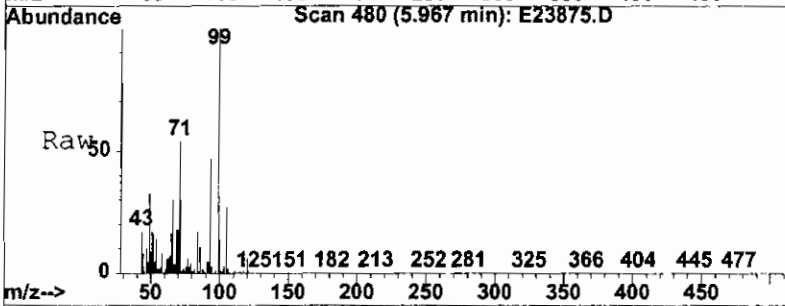
Ion 112.00 (111.50 to 112.50): E2



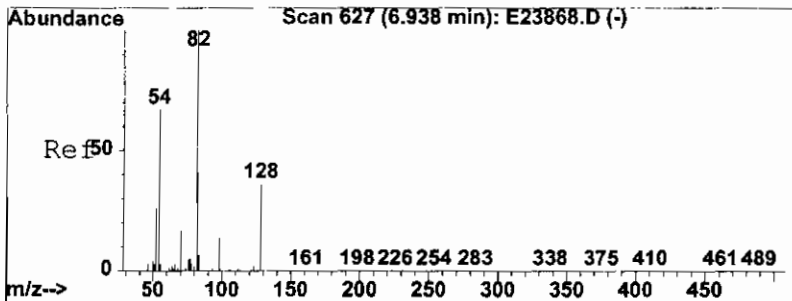
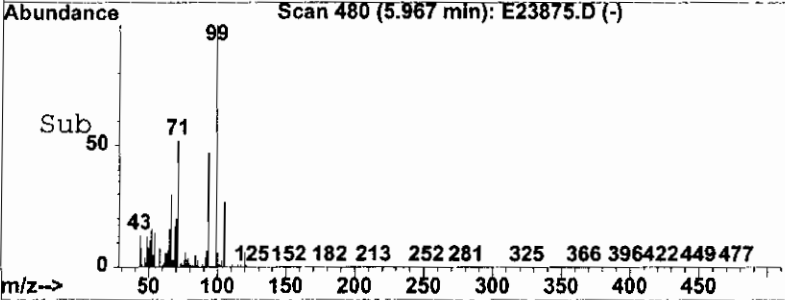
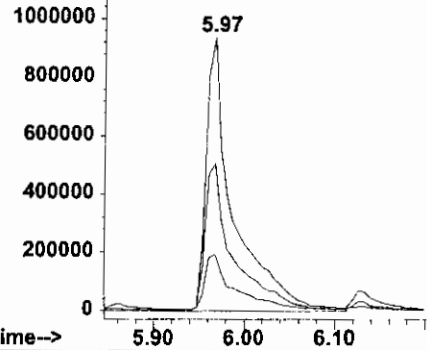


#5
 Phenol-d5
 Concen: 33.10 ug/mL
 RT: 5.97 min Scan# 480
 Delta R.T. -0.03 min
 Lab File: E23875.D
 Acq: 12 Apr 2001 8:04 pm

Tgt Ion: 99 Resp: 1943408
 Ion Ratio Lower Upper
 99 100
 71 55.6 43.1 64.7
 70 22.0 16.6 24.8

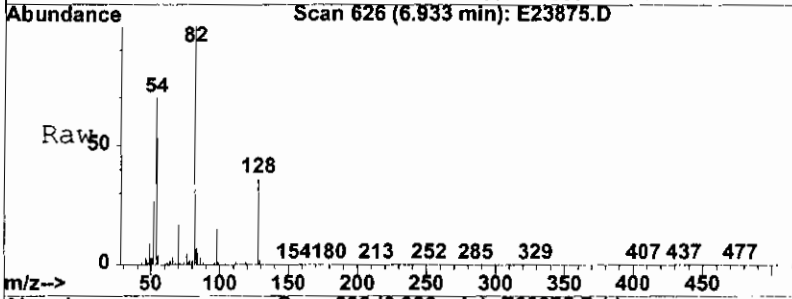


Abundance Ion 99.00 (98.50 to 99.50): E238
 Ion 71.00 (70.50 to 71.50): E238
 Ion 70.00 (69.50 to 70.50): E238

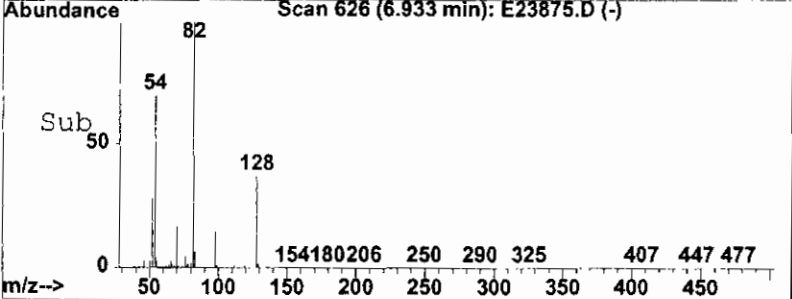
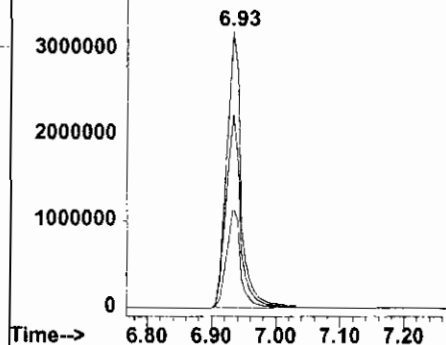


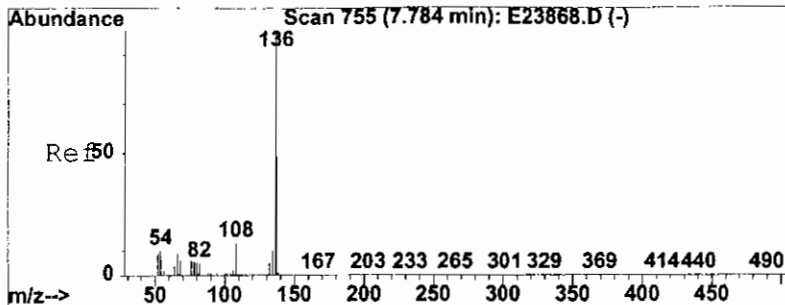
#19
 Nitrobenzene-d5
 Concen: 86.82 ug/mL
 RT: 6.93 min Scan# 626
 Delta R.T. -0.01 min
 Lab File: E23875.D
 Acq: 12 Apr 2001 8:04 pm

Tgt Ion: 82 Resp: 5045430
 Ion Ratio Lower Upper
 82 100
 54 69.4 24.7 37.1#
 128 34.4 1.8 2.6#



Abundance Ion 82.00 (81.50 to 82.50): E238
 Ion 54.00 (53.50 to 54.50): E238
 Ion 128.00 (127.50 to 128.50): E2

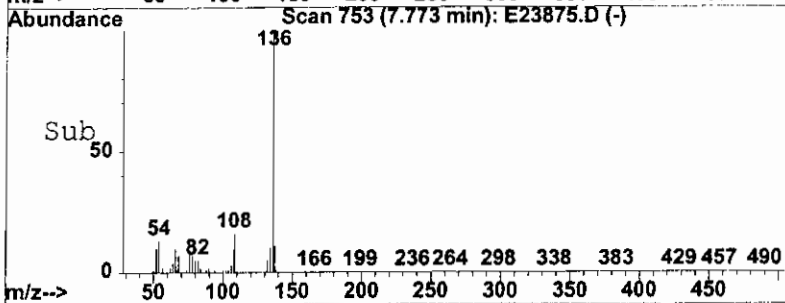
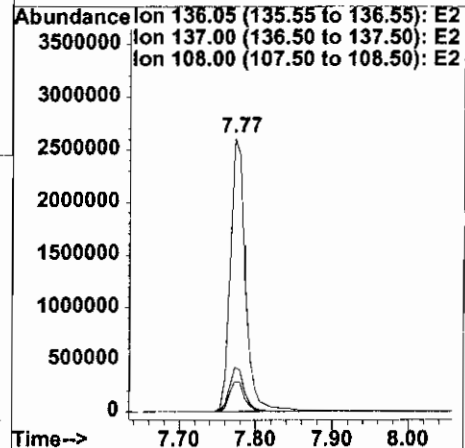
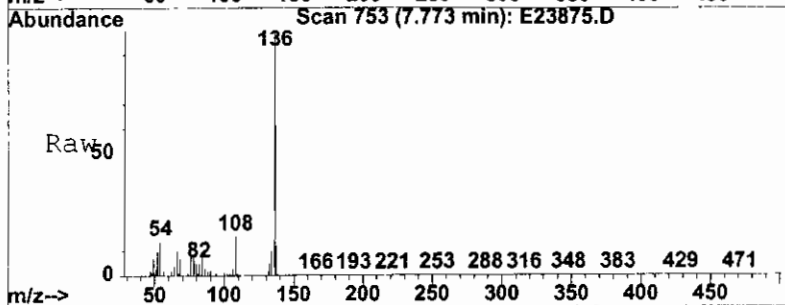




#21
Naphthalene-d8
Concen: 40.00 ug/mL
RT: 7.77 min Scan# 753
Delta R.T. -0.02 min
Lab File: E23875.D
Acq: 12 Apr 2001 8:04 pm

Tgt Ion:136 Resp: 3662763

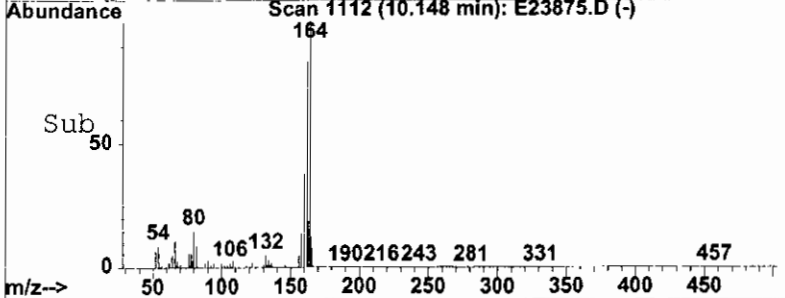
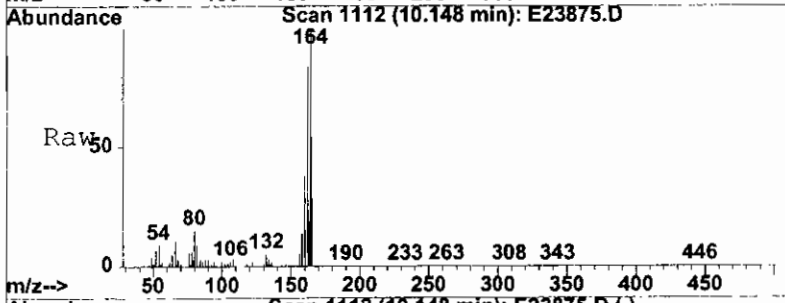
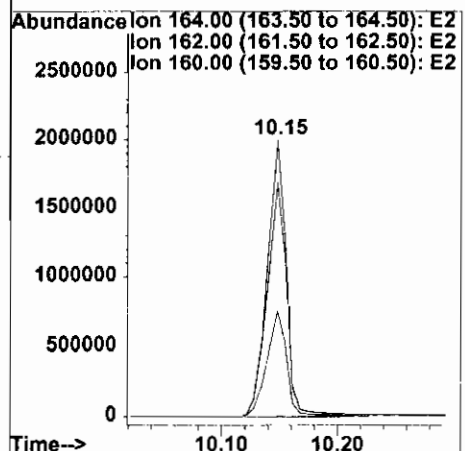
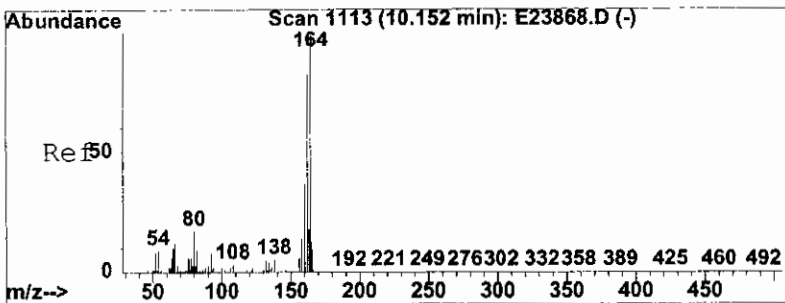
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
108	16.4	12.8	19.2

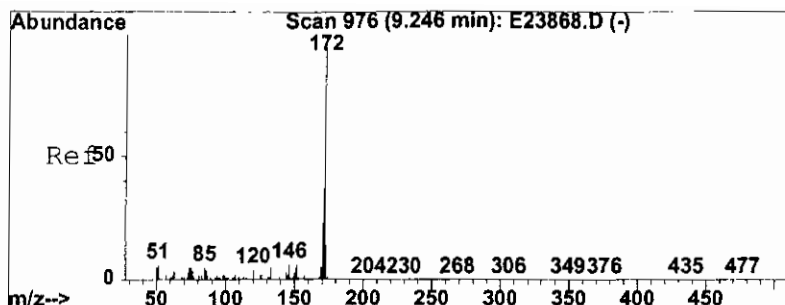


#35
Acenaphthene-d10
Concen: 40.00 ug/mL
RT: 10.15 min Scan# 1112
Delta R.T. -0.01 min
Lab File: E23875.D
Acq: 12 Apr 2001 8:04 pm

Tgt Ion:164 Resp: 2296344

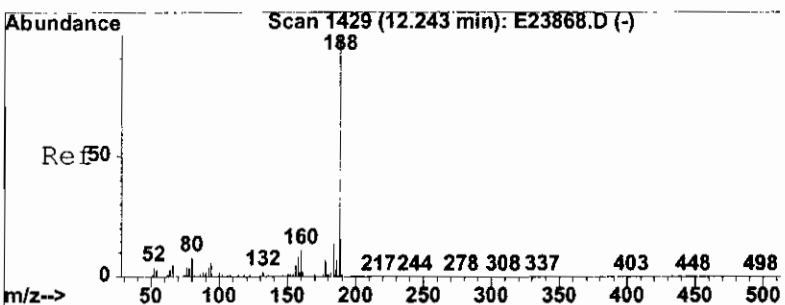
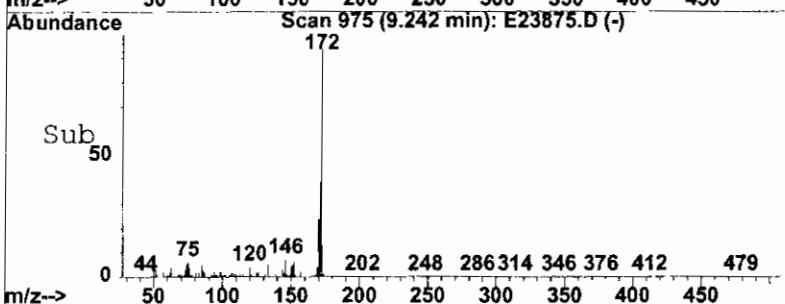
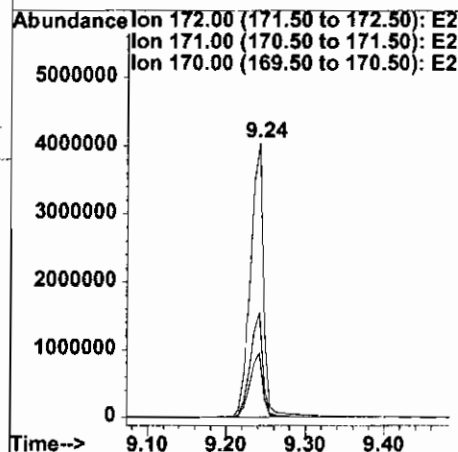
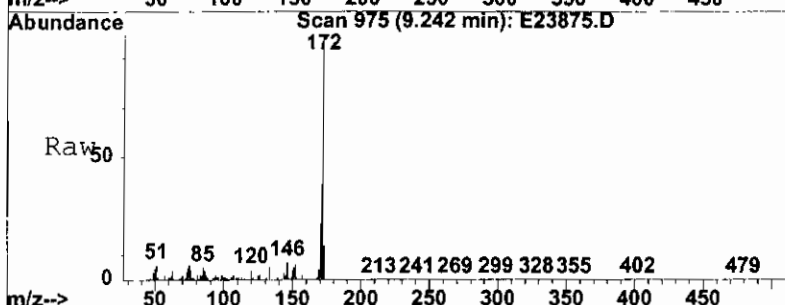
Ion	Ratio	Lower	Upper
164	100		
162	86.0	69.4	104.2
160	39.3	31.8	47.6





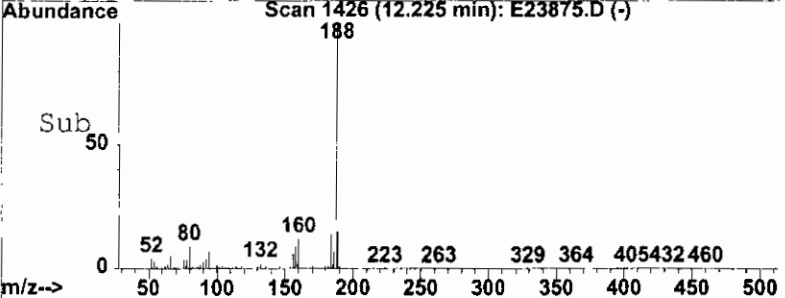
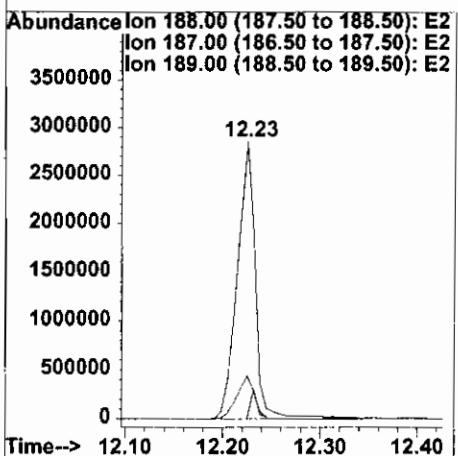
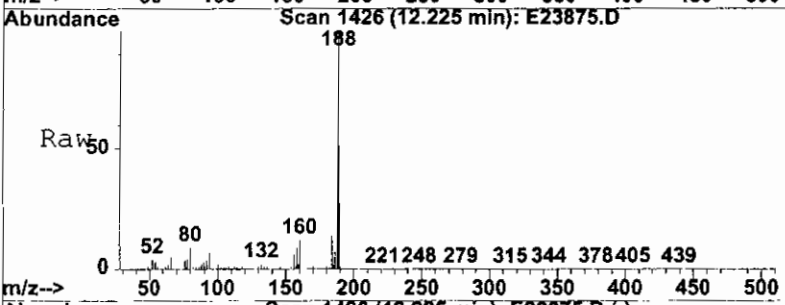
#38
2-Fluorobiphenyl
Concen: 54.14 ug/mL
RT: 9.24 min Scan# 975
Delta R.T. -0.01 min
Lab File: E23875.D
Acq: 12 Apr 2001 8:04 pm

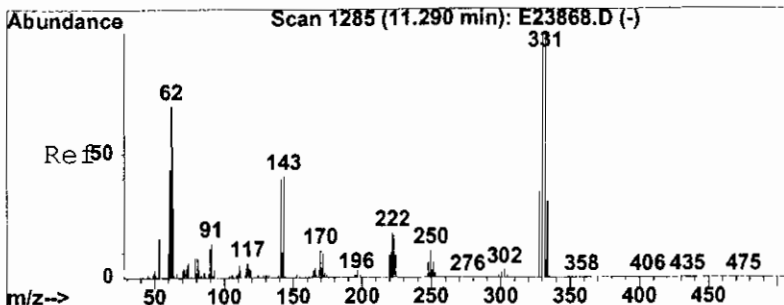
Tgt Ion: 172 Resp: 4818782
Ion Ratio Lower Upper
172 100
171 36.4 30.5 45.7
170 22.1 19.3 28.9



#57
Phenanthrene-d10
Concen: 40.00 ug/mL
RT: 12.23 min Scan# 1426
Delta R.T. -0.03 min
Lab File: E23875.D
Acq: 12 Apr 2001 8:04 pm

Tgt Ion: 188 Resp: 3679178
Ion Ratio Lower Upper
188 100
187 4.4 1.4 2.2#
189 14.9 12.5 18.7

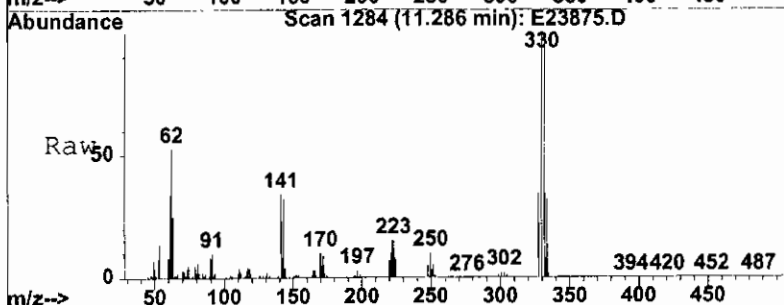




#59
 2,4,6-Tribromophenol
 Concen: 134.00 ug/mL
 RT: 11.29 min Scan# 1284
 Delta R.T. -0.01 min
 Lab File: E23875.D
 Acq: 12 Apr 2001 8:04 pm

Tgt Ion:330 Resp: 1951072

Ion	Ratio	Lower	Upper
330	100		
332	96.9	76.1	114.1
328	34.0	25.8	38.6
334	30.7	23.0	34.6



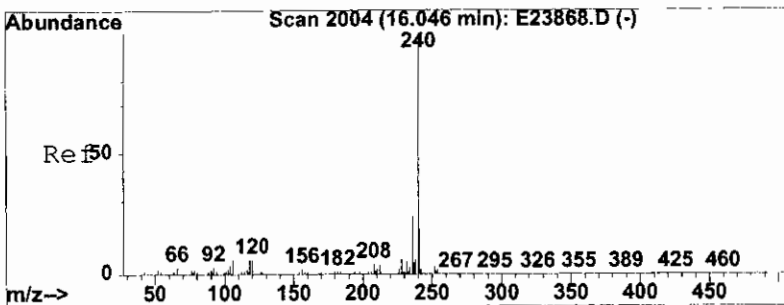
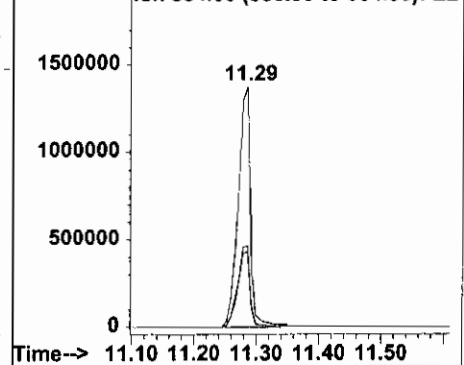
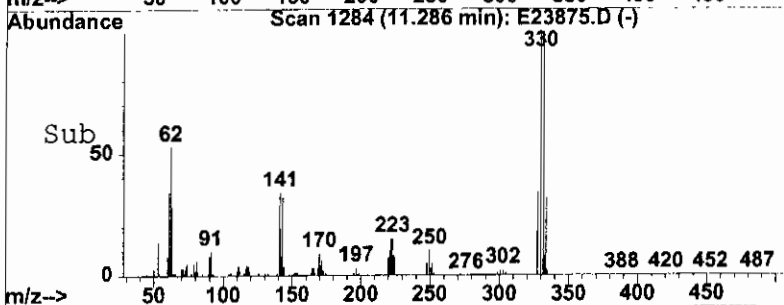
Abundance

Ion 330.00 (329.50 to 330.50): E2

Ion 332.00 (331.50 to 332.50): E2

Ion 328.00 (327.50 to 328.50): E2

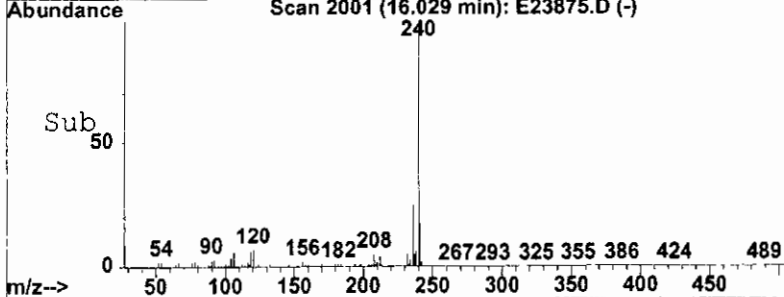
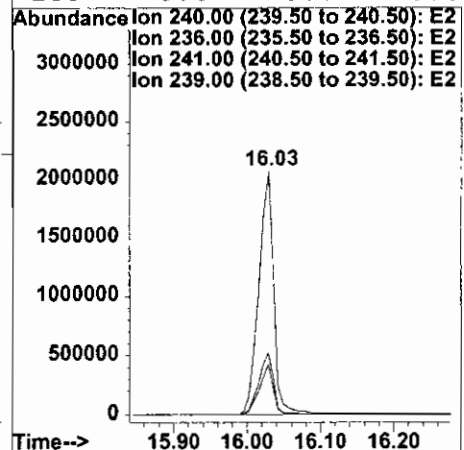
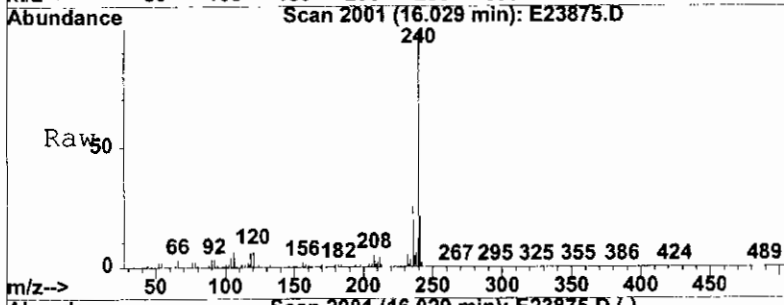
Ion 334.00 (333.50 to 334.50): E2



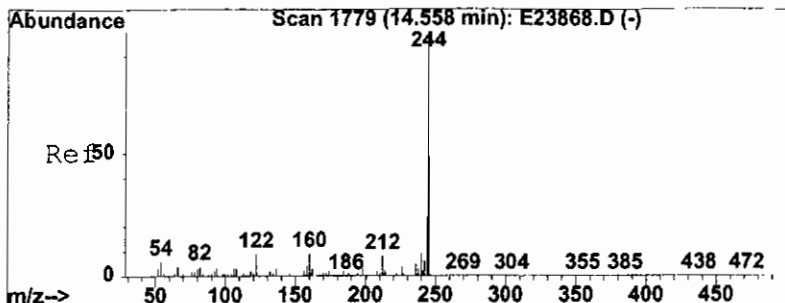
#69
 Chrysene-d12
 Concen: 40.00 ug/mL
 RT: 16.03 min Scan# 2001
 Delta R.T. -0.03 min
 Lab File: E23875.D
 Acq: 12 Apr 2001 8:04 pm

Tgt Ion:240 Resp: 2911785

Ion	Ratio	Lower	Upper
240	100		
236	25.7	20.1	30.1
241	19.6	15.4	23.0
239	0.0	0.0	0.0#



000395



#70

Terphenyl-d14

Concen: 70.10 ug/mL

RT: 14.56 min Scan# 1779

Delta R.T. -0.01 min

Lab File: E23875.D

Acq: 12 Apr 2001 8:04 pm

Tgt Ion:244 Resp: 5212245

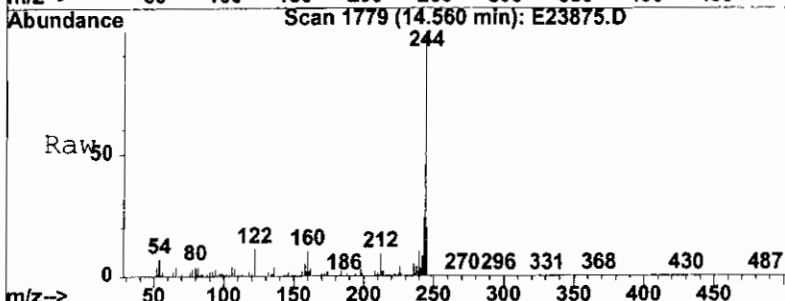
Ion Ratio Lower Upper

244 100

243 22.4 0.0 0.0#

245 19.8 16.2 24.4

240 9.7 7.4 11.2



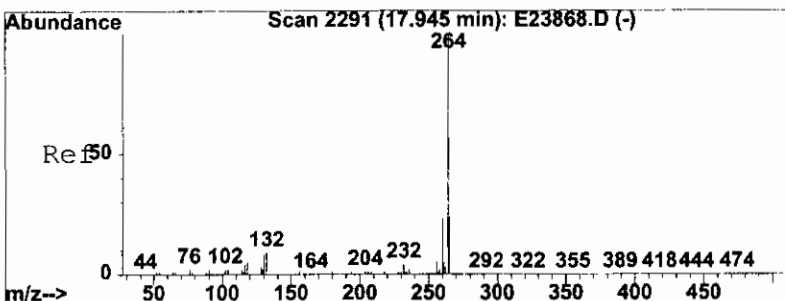
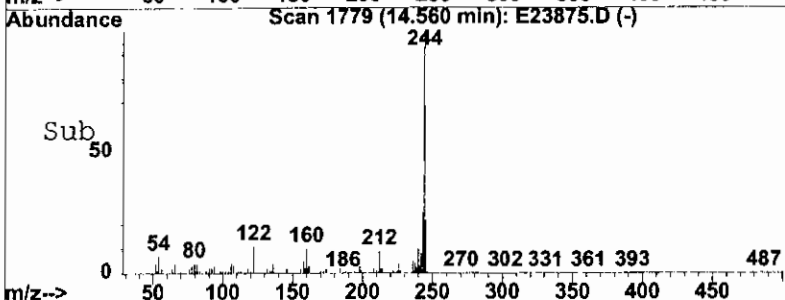
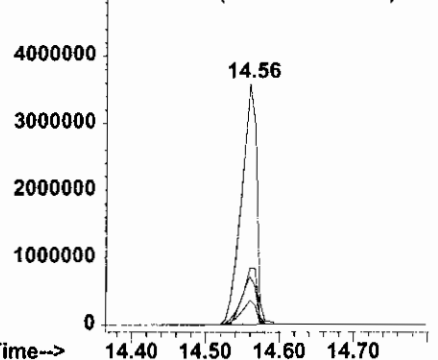
Abundance

Ion 244.00 (243.50 to 244.50): E2

Ion 243.00 (242.50 to 243.50): E2

Ion 245.00 (244.50 to 245.50): E2

Ion 240.00 (239.50 to 240.50): E2



#77

Perylene-d12

Concen: 40.00 ug/mL

RT: 17.93 min Scan# 2289

Delta R.T. -0.03 min

Lab File: E23875.D

Acq: 12 Apr 2001 8:04 pm

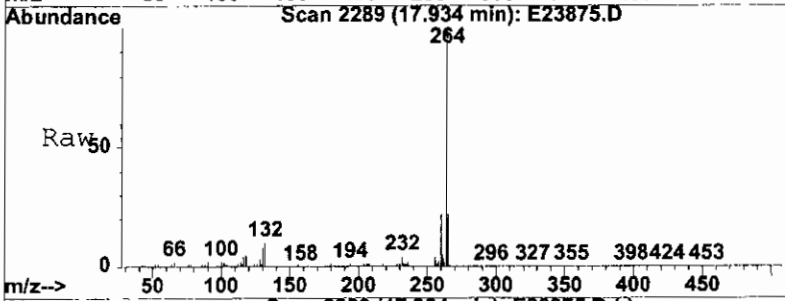
Tgt Ion:264 Resp: 2637135

Ion Ratio Lower Upper

264 100

260 22.0 18.1 27.1

265 21.7 17.6 26.4

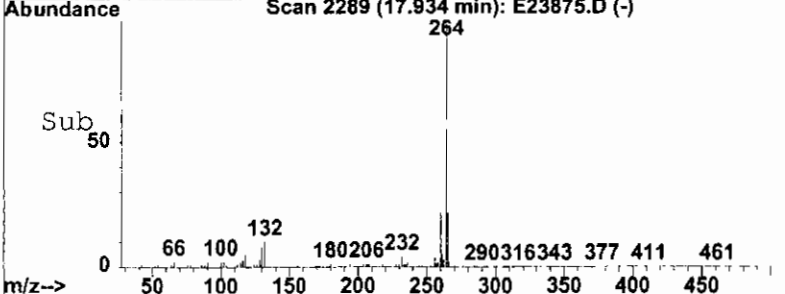
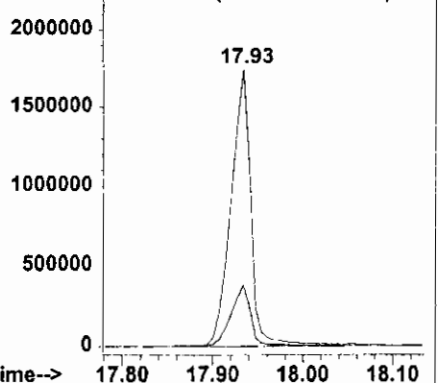


Abundance

Ion 264.00 (263.50 to 264.50): E2

Ion 260.00 (259.50 to 260.50): E2

Ion 265.00 (264.50 to 265.50): E2



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E23876.D
Acq On : 12 Apr 2001 8:34 pm
Sample : 01040168-02 \$8270W ASPB 1L\1ML
Misc : QBSV2041201A
MS Integration Params: rteint.p
Quant Time: Aug 21 15:24 19101

Vial: 15
Operator: RB
Inst : BNA NO 2
Multiplr: 1.00

Quant Results File: BNA2-13.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Fri Apr 13 09:29:39 2001
Response via : Initial Calibration
DataAcq Meth : BNA2-12

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.25	152	1193529	40.00	ug/mL	0.00
21) Naphthalene-d8	7.78	136	3722369	40.00	ug/mL	-0.01
35) Acenaphthene-d10	10.15	164	2326941	40.00	ug/mL	-0.01
57) Phenanthrene-d10	12.23	188	3971315	40.00	ug/mL	-0.03
69) Chrysene-d12	16.03	240	3216635	40.00	ug/mL	-0.03
77) Perylene-d12	17.94	264	2995446	40.00	ug/mL	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	4.91	112	2622701	51.07	ug/mL	-0.03
Spiked Amount	200.000	Range	21 - 100	Recovery	=	25.54%
5) Phenol-d5	5.96	99	2134647	30.39	ug/mL	-0.03
Spiked Amount	200.000	Range	10 - 100	Recovery	=	15.20%
19) Nitrobenzene-d5	6.94	82	4794073	68.94	ug/mL	-0.01
Spiked Amount	100.000	Range	35 - 114	Recovery	=	68.94%
38) 2-Fluorobiphenyl	9.24	172	4411569	44.46	ug/mL	-0.02
Spiked Amount	100.000	Range	43 - 116	Recovery	=	44.46%
59) 2,4,6-Tribromophenol	11.28	330	2208584	127.76	ug/mL	-0.02
Spiked Amount	200.000	Range	10 - 123	Recovery	=	63.88%
70) Terphenyl-d14	14.56	244	4536159	50.21	ug/mL	0.00
Spiked Amount	100.000	Range	33 - 141	Recovery	=	50.21%

Target Compounds

Qvalue

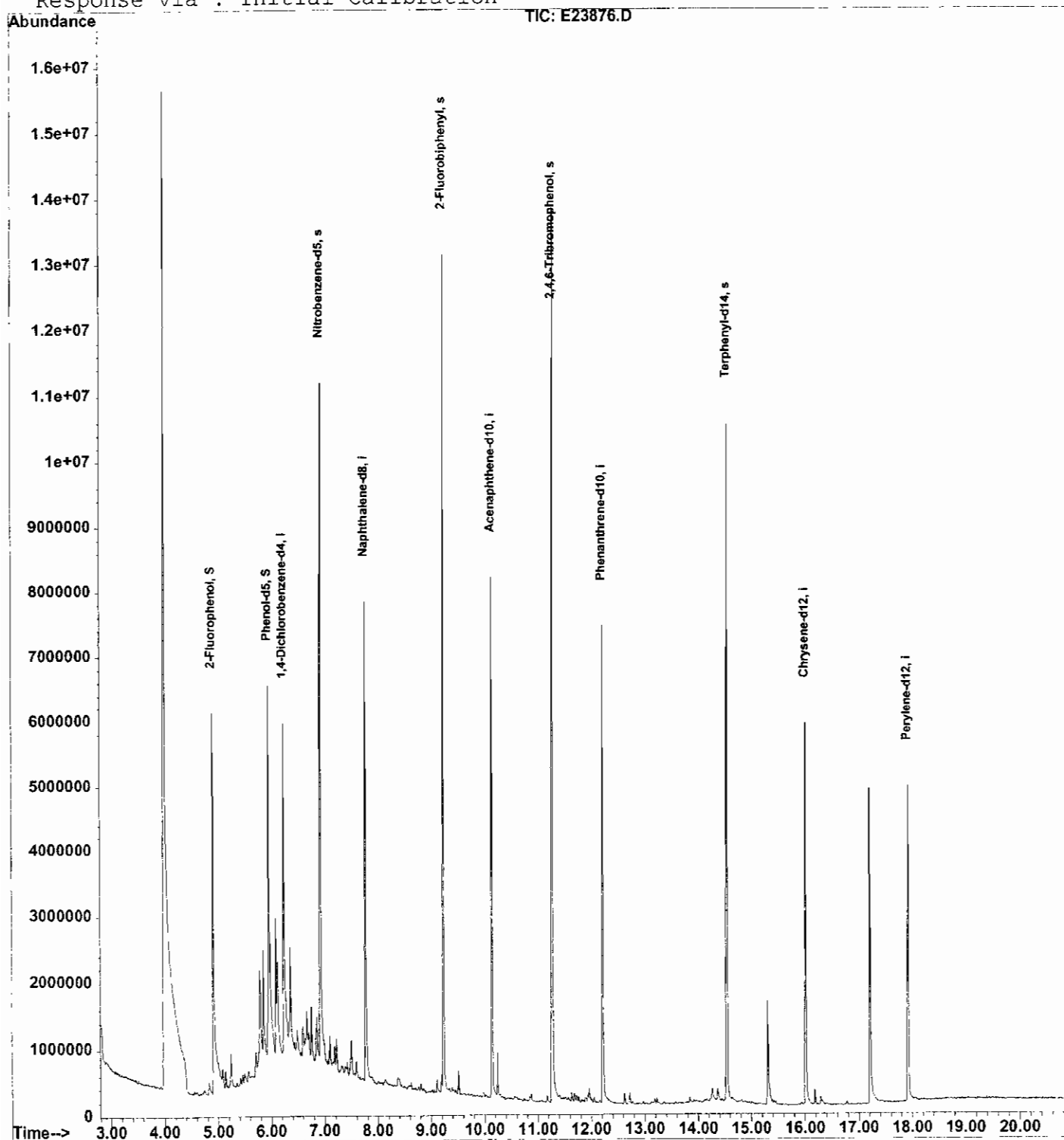
Quantitation Report

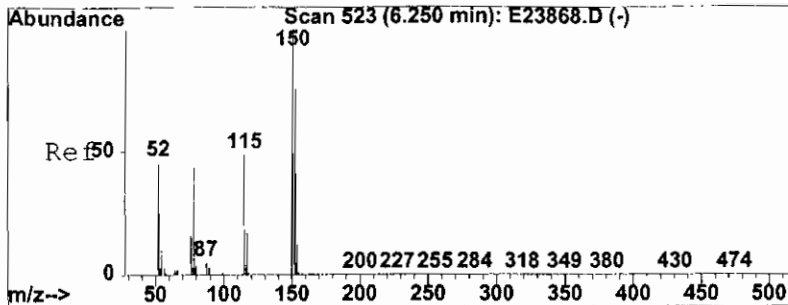
Data File : C:\HPCHEM\1\DATA\E23876.D
 Acq On : 12 Apr 2001 8:34 pm
 Sample : 01040168-02 \$8270W ASPB 1L\1ML
 Misc : QBSV2041201A
 MS Integration Params: rteint.p
 Quant Time: Aug 21 15:24 19101

Vial: 15
 Operator: RB
 Inst : BNA NO 2
 Multiplr: 1.00

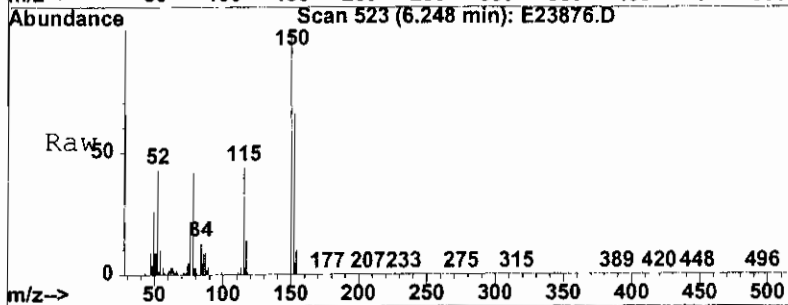
Quant Results File: BNA2-13.RES

Method : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)
 Title : Semivolatiles by GC/MS - EPA Method 625/8270
 Last Update : Fri Apr 13 09:29:39 2001
 Response via : Initial Calibration



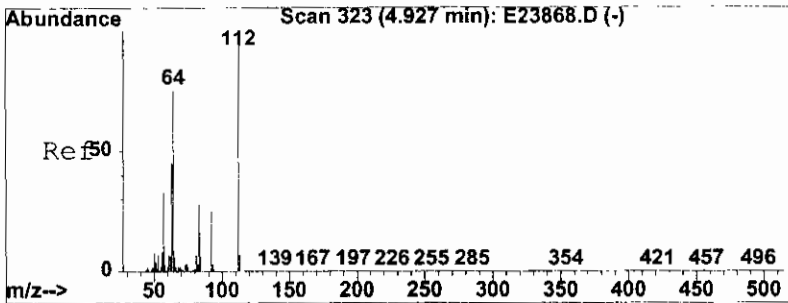
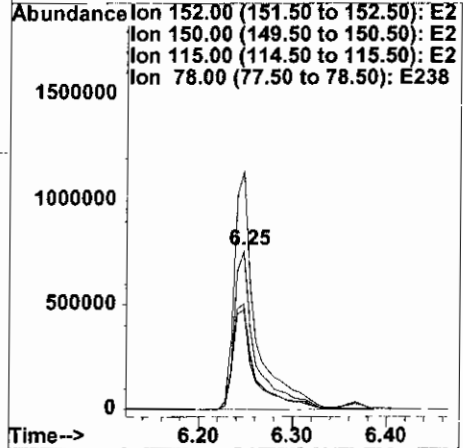
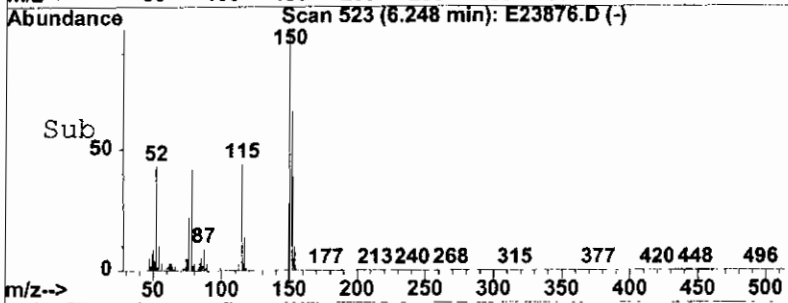


#1
 1,4-Dichlorobenzene-d4
 Concen: 40.00 ug/mL
 RT: 6.25 min Scan# 523
 Delta R.T. -0.01 min
 Lab File: E23876.D
 Acq: 12 Apr 2001 8:34 pm

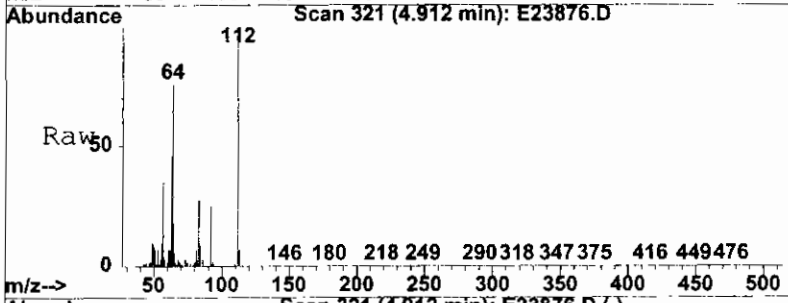


Tgt Ion:152 Resp: 1193529

Ion	Ratio	Lower	Upper
152	100		
150	153.6	169.4	254.2#
115	69.9	70.3	105.5#
78	64.9	76.0	114.0#

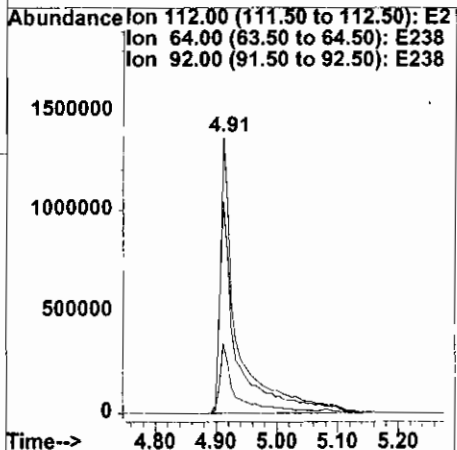
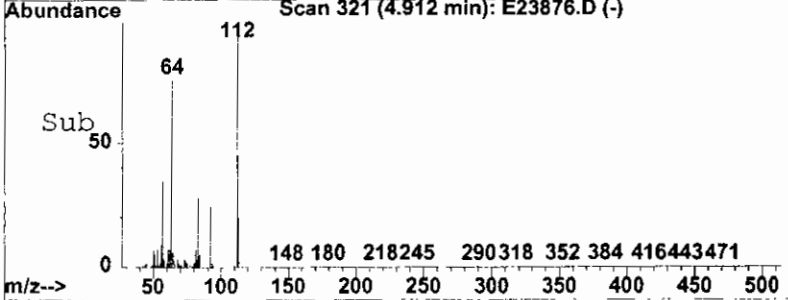


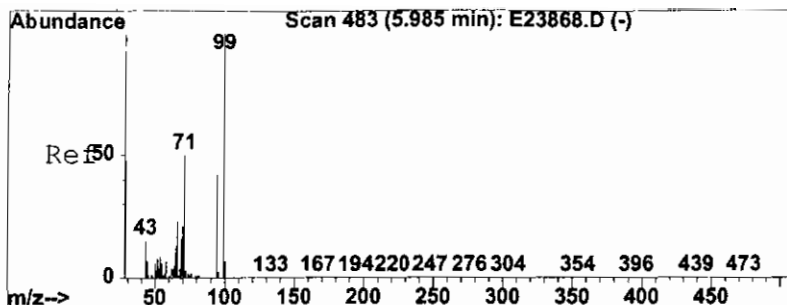
#4
 2-Fluorophenol
 Concen: 51.07 ug/mL
 RT: 4.91 min Scan# 321
 Delta R.T. -0.03 min
 Lab File: E23876.D
 Acq: 12 Apr 2001 8:34 pm



Tgt Ion:112 Resp: 2622701

Ion	Ratio	Lower	Upper
112	100		
64	78.7	58.7	88.1
92	23.1	18.2	27.2

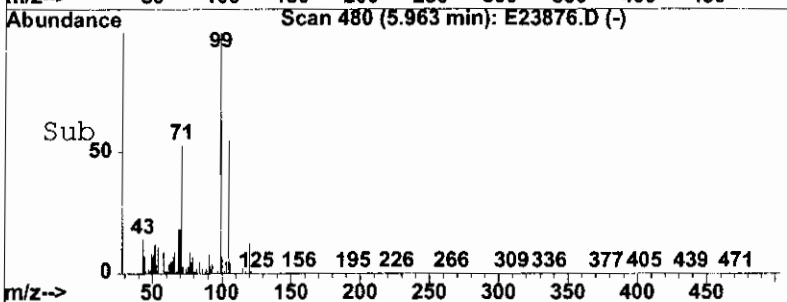
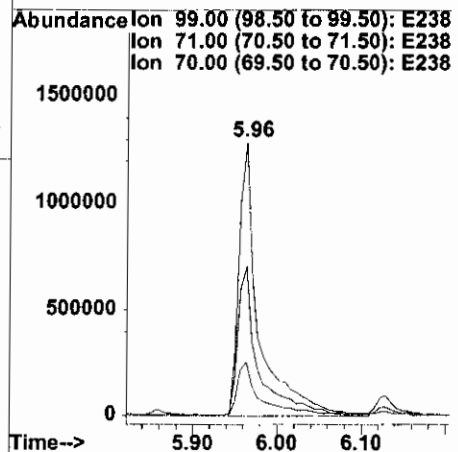
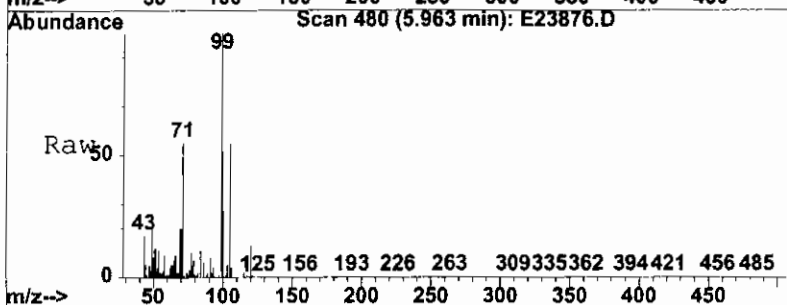




#5
Phenol-d5
Concen: 30.39 ug/mL
RT: 5.96 min Scan# 480
Delta R.T. -0.03 min
Lab File: E23876.D
Acq: 12 Apr 2001 8:34 pm

Tgt Ion: 99 Resp: 2134647

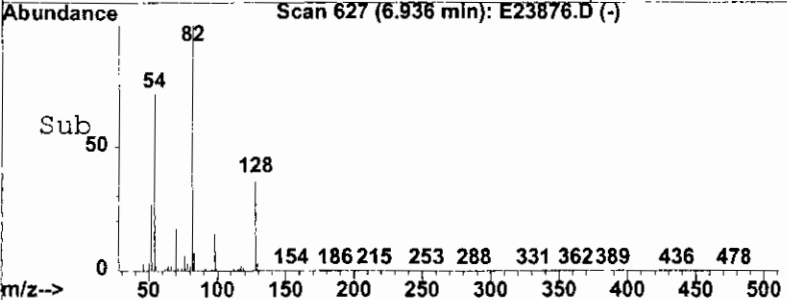
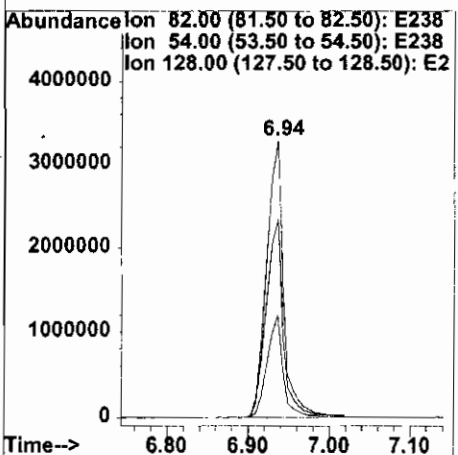
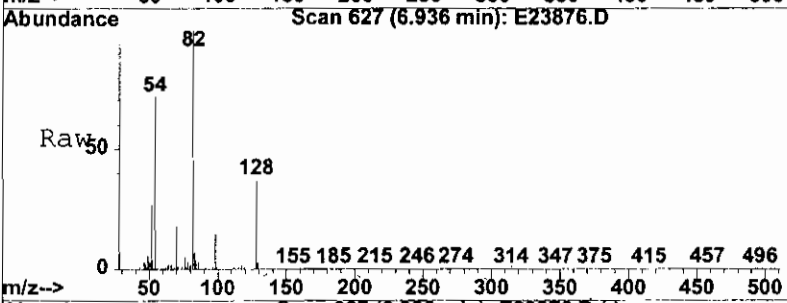
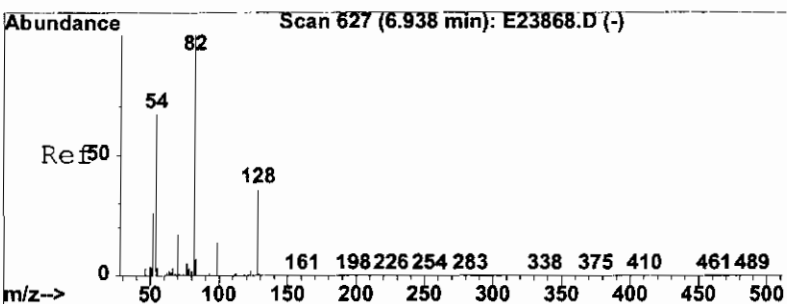
Ion	Ratio	Lower	Upper
99	100		
71	56.2	43.1	64.7
70	21.7	16.6	24.8

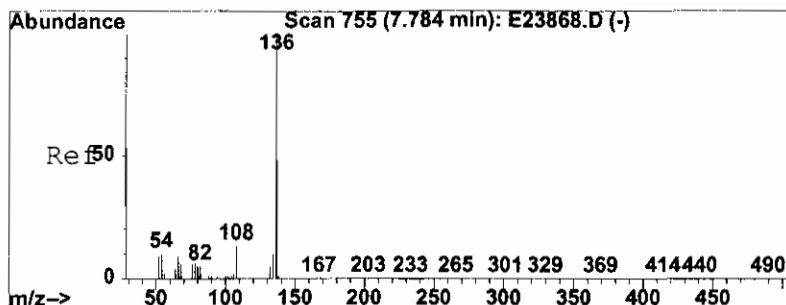


#19
Nitrobenzene-d5
Concen: 68.94 ug/mL
RT: 6.94 min Scan# 627
Delta R.T. -0.01 min
Lab File: E23876.D
Acq: 12 Apr 2001 8:34 pm

Tgt Ion: 82 Resp: 4794073

Ion	Ratio	Lower	Upper
82	100		
54	71.9	24.7	37.1#
128	34.5	1.8	2.6#

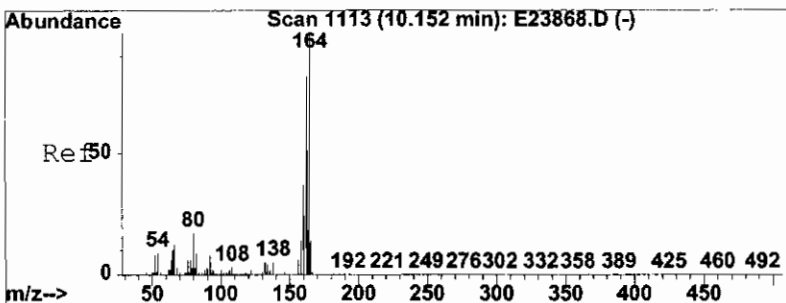
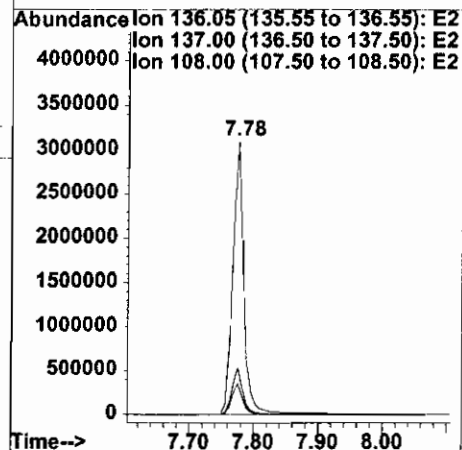
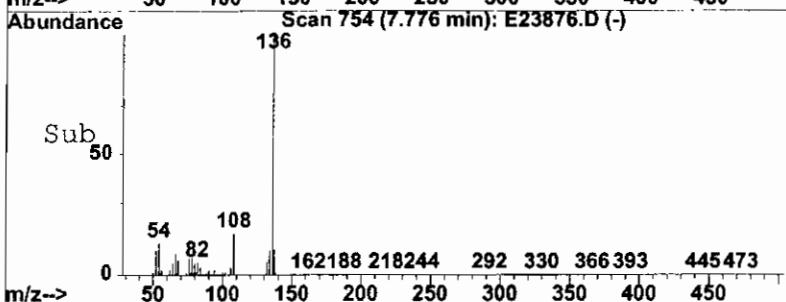
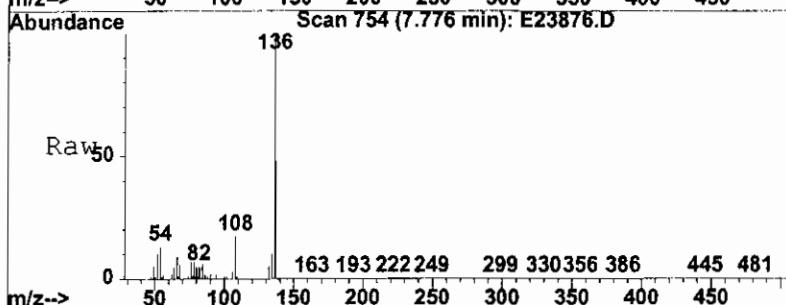




#21
Naphthalene-d8
Concen: 40.00 ug/mL
RT: 7.78 min Scan# 754
Delta R.T. -0.01 min
Lab File: E23876.D
Acq: 12 Apr 2001 8:34 pm

Tgt Ion:136 Resp: 3722369

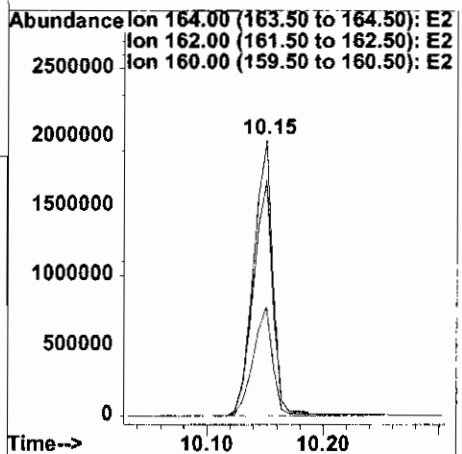
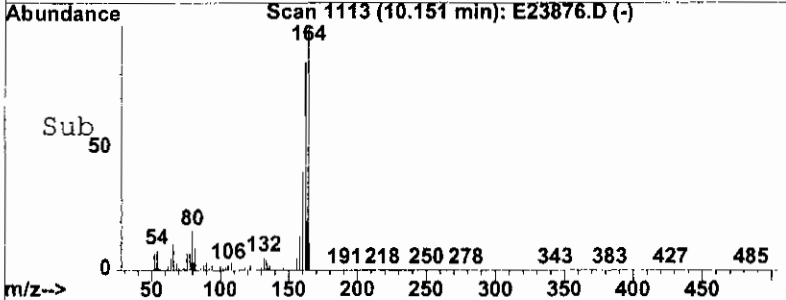
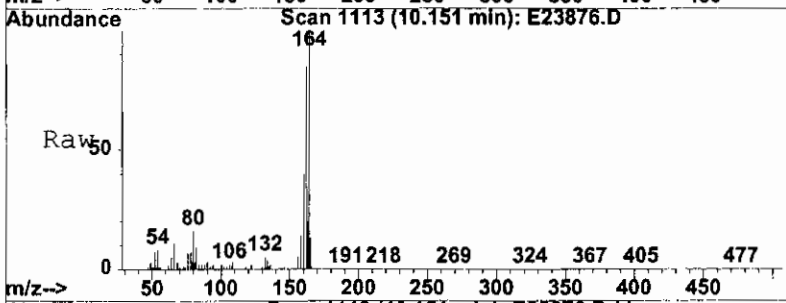
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
108	16.9	12.8	19.2

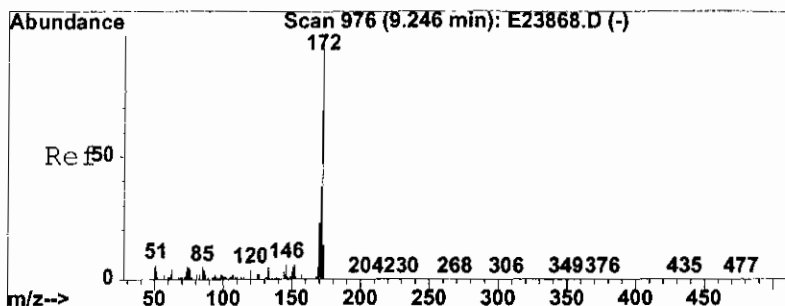


#35
Acenaphthene-d10
Concen: 40.00 ug/mL
RT: 10.15 min Scan# 1113
Delta R.T. -0.01 min
Lab File: E23876.D
Acq: 12 Apr 2001 8:34 pm

Tgt Ion:164 Resp: 2326941

Ion	Ratio	Lower	Upper
164	100		
162	86.5	69.4	104.2
160	39.9	31.8	47.6

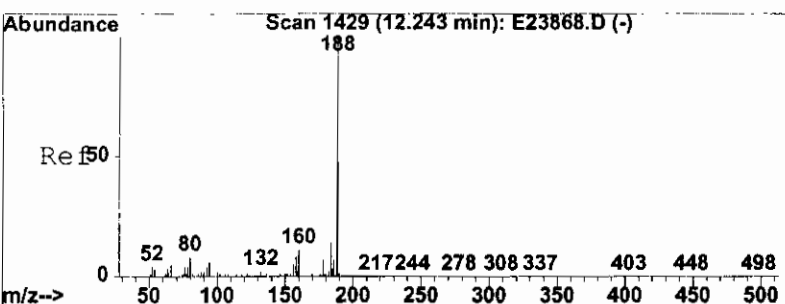
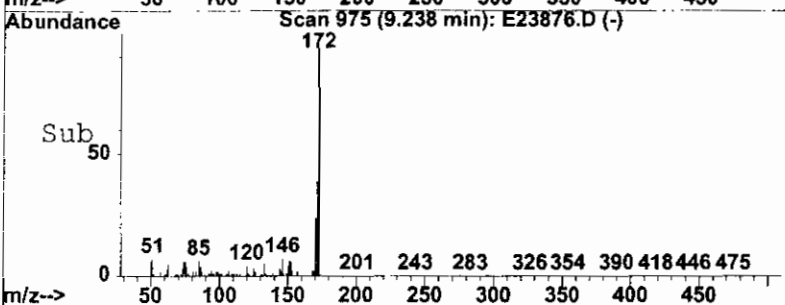
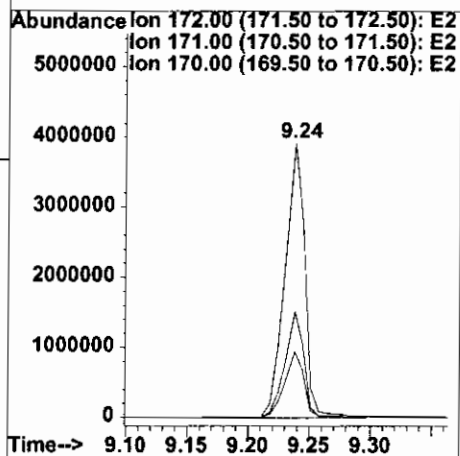
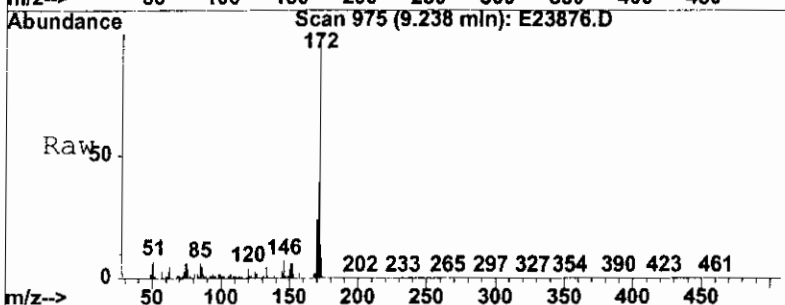




#38
2-Fluorobiphenyl
Concen: 44.46 ug/mL
RT: 9.24 min Scan# 975
Delta R.T. -0.02 min
Lab File: E23876.D
Acq: 12 Apr 2001 8:34 pm

Tgt Ion: 172 Resp: 4411569

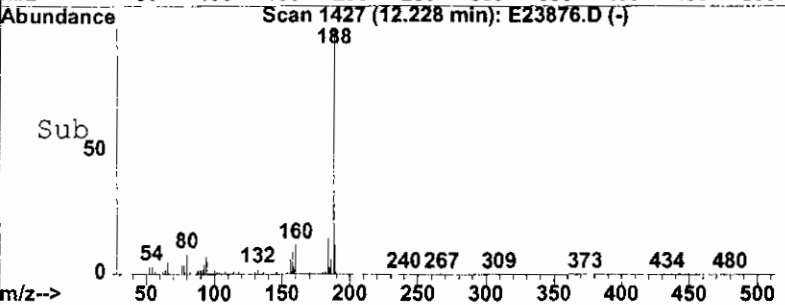
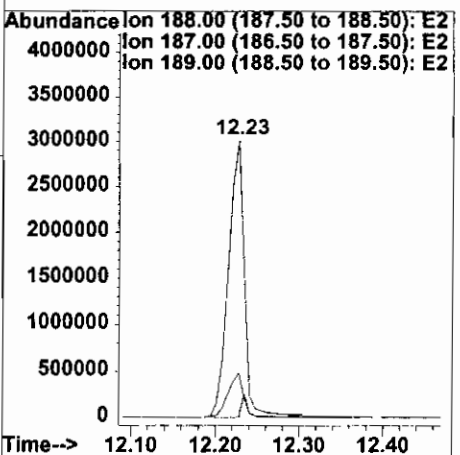
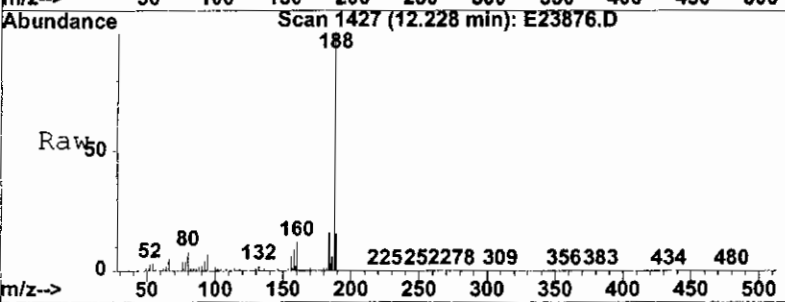
Ion	Ratio	Lower	Upper
172	100		
171	37.3	30.5	45.7
170	23.4	19.3	28.9

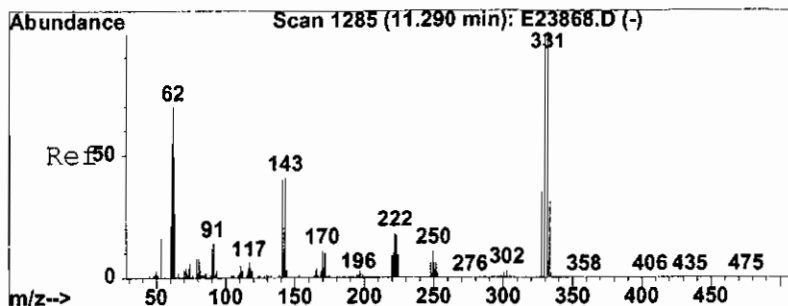


#57
Phenanthrene-d10
Concen: 40.00 ug/mL
RT: 12.23 min Scan# 1427
Delta R.T. -0.03 min
Lab File: E23876.D
Acq: 12 Apr 2001 8:34 pm

Tgt Ion: 188 Resp: 3971315

Ion	Ratio	Lower	Upper
188	100		
187	3.4	1.4	2.2#
189	15.2	12.5	18.7

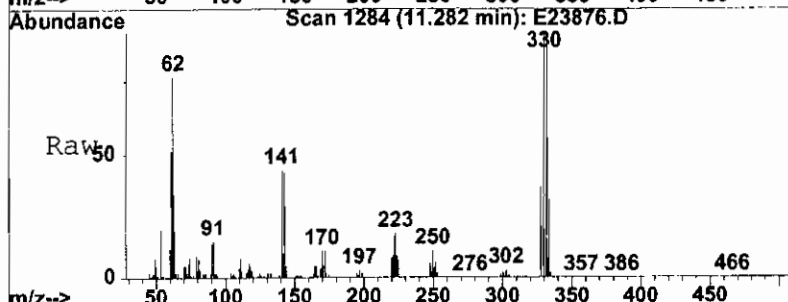




#59
2,4,6-Tribromophenol
Concen: 127.76 ug/mL
RT: 11.28 min Scan# 1284
Delta R.T. -0.02 min
Lab File: E23876.D
Acq: 12 Apr 2001 8:34 pm

Tgt Ion: 330 Resp: 2208584

Ion	Ratio	Lower	Upper
330	100		
332	97.4	76.1	114.1
328	34.5	25.8	38.6
334	31.6	23.0	34.6



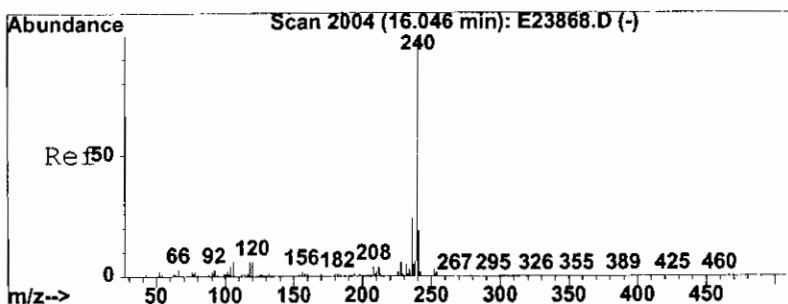
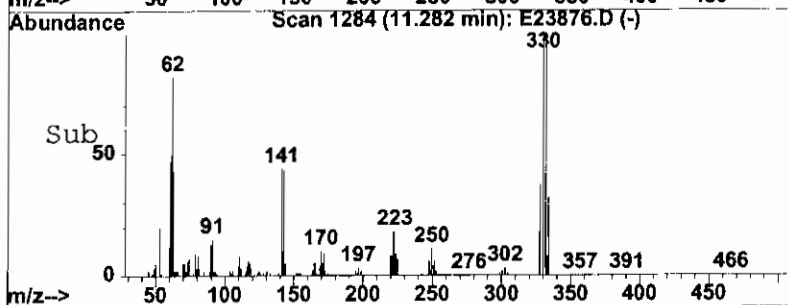
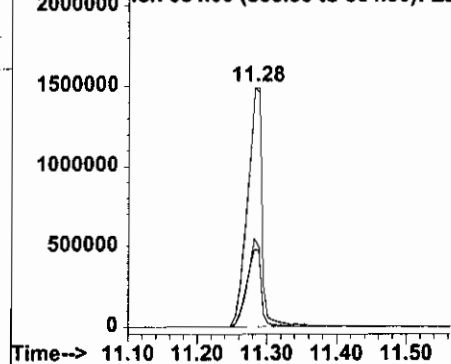
Abundance

Ion 330.00 (329.50 to 330.50): E2

Ion 332.00 (331.50 to 332.50): E2

Ion 328.00 (327.50 to 328.50): E2

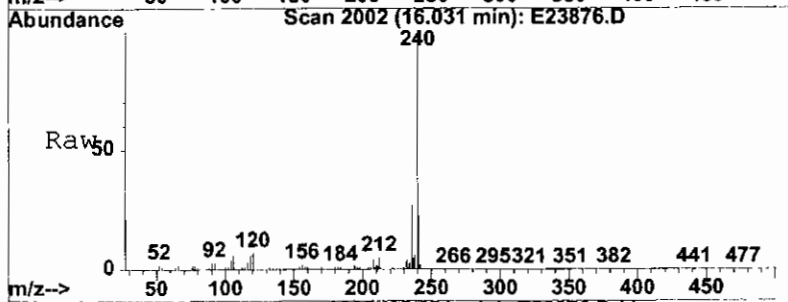
Ion 334.00 (333.50 to 334.50): E2



#69
Chrysene-d12
Concen: 40.00 ug/mL
RT: 16.03 min Scan# 2002
Delta R.T. -0.03 min
Lab File: E23876.D
Acq: 12 Apr 2001 8:34 pm

Tgt Ion: 240 Resp: 3216635

Ion	Ratio	Lower	Upper
240	100		
236	26.0	20.1	30.1
241	19.8	15.4	23.0
239	0.0	0.0	0.0



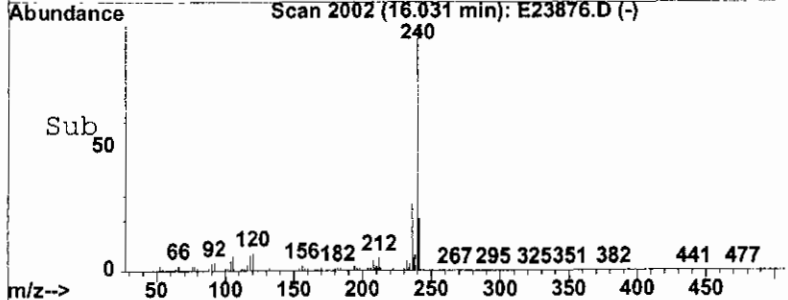
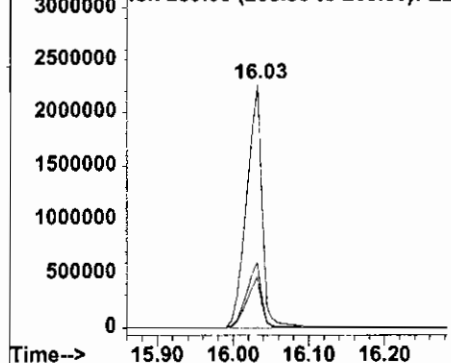
Abundance

Ion 240.00 (239.50 to 240.50): E2

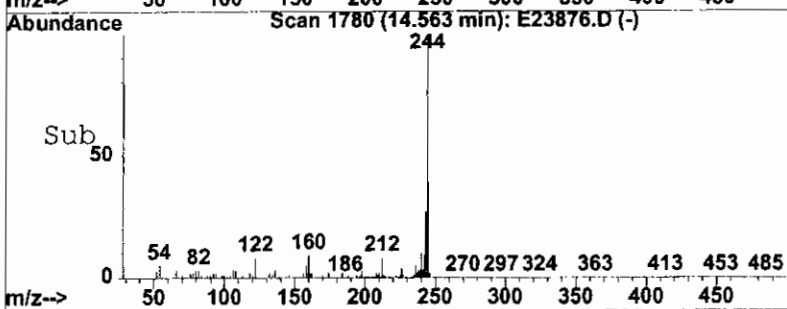
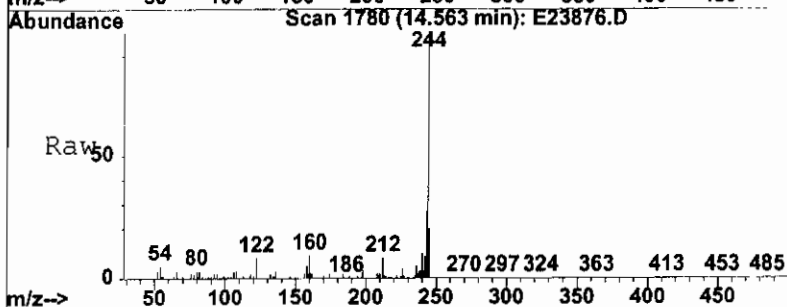
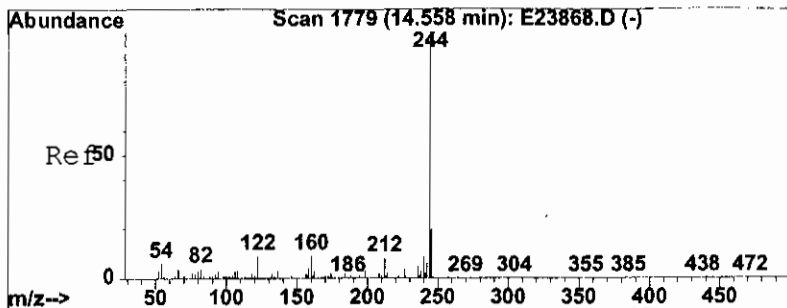
Ion 236.00 (235.50 to 236.50): E2

Ion 241.00 (240.50 to 241.50): E2

Ion 239.00 (238.50 to 239.50): E2

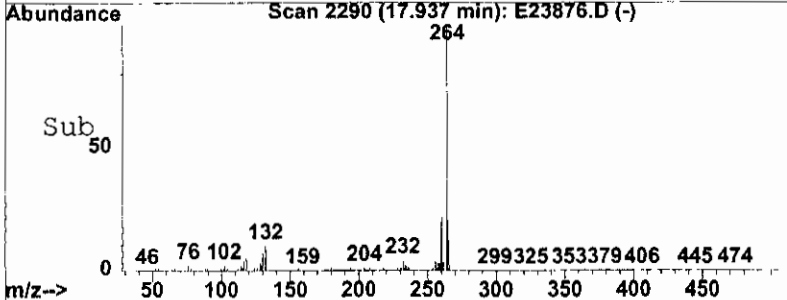
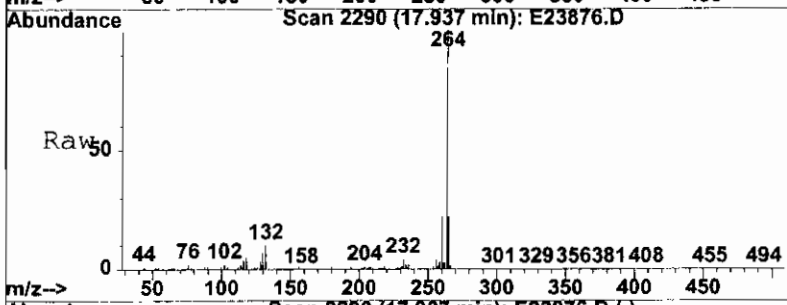
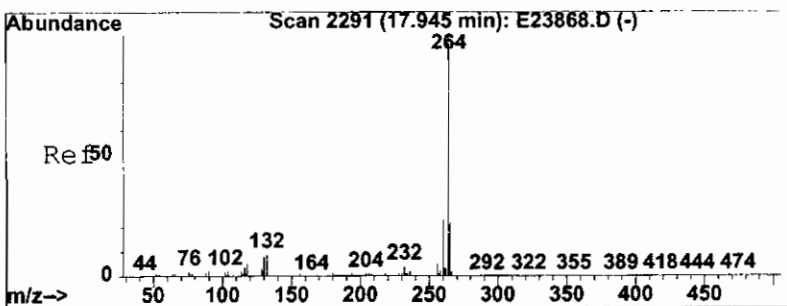
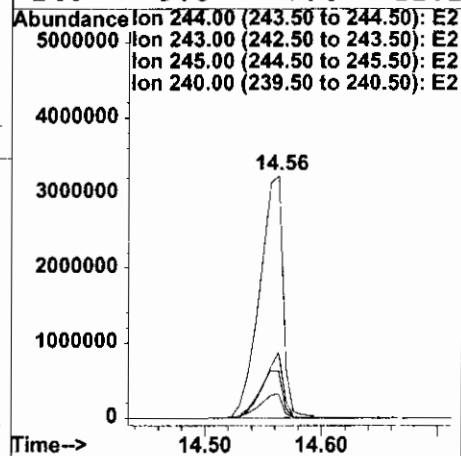


000403



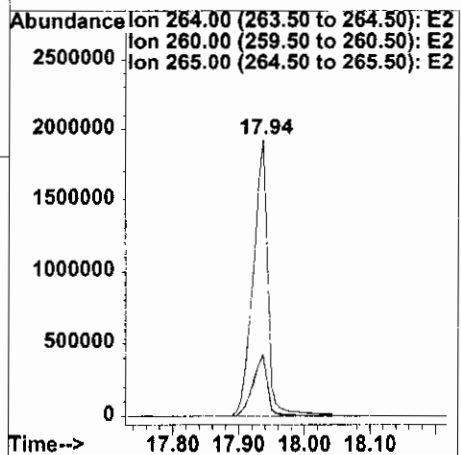
#70
Terphenyl-d14
Concen: 50.21 ug/mL
RT: 14.56 min Scan# 1780
Delta R.T. -0.00 min
Lab File: E23876.D
Acq: 12 Apr 2001 8:34 pm

Tgt Ion:244 Resp: 4536159
Ion Ratio Lower Upper
244 100
243 22.5 0.0 0.0#
245 20.0 16.2 24.4
240 9.8 7.4 11.2



#77
Perylene-d12
Concen: 40.00 ug/mL
RT: 17.94 min Scan# 2290
Delta R.T. -0.02 min
Lab File: E23876.D
Acq: 12 Apr 2001 8:34 pm

Tgt Ion:264 Resp: 2995446
Ion Ratio Lower Upper
264 100
260 22.3 18.1 27.1
265 21.5 17.6 26.4



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E23877.D Vial: 16
Acq On : 12 Apr 2001 9:03 pm Operator: RB
Sample : 01040168-03 \$8270W ASPB 1L\1ML 2X Inst : BNA NO 2
Misc : QBSV2041201A Multiplr: 2.00
MS Integration Params: rteint.p
Quant Time: Aug 21 15:25 19101 Quant Results File: BNA2-13.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Fri Apr 13 09:29:39 2001
Response via : Initial Calibration
DataAcq Meth : BNA2-12

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.25	152	1335472	40.00	ug/mL	0.00
21) Naphthalene-d8	7.78	136	4389927	40.00	ug/mL	-0.01
35) Acenaphthene-d10	10.15	164	2503447	40.00	ug/mL	-0.01
57) Phenanthrene-d10	12.23	188	3882851	40.00	ug/mL	-0.03
69) Chrysene-d12	16.03	240	3606821	40.00	ug/mL	-0.03
77) Perylene-d12	17.94	264	3124225	40.00	ug/mL	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	4.92	112	1170278	40.73	ug/mL	-0.02
Spiked Amount	200.000	Range	21 - 100	Recovery	=	20.37%#
5) Phenol-d5	5.97	99	1272625	32.38	ug/mL	-0.03
Spiked Amount	200.000	Range	10 - 100	Recovery	=	16.19%
19) Nitrobenzene-d5	6.93	82	3263066	83.88	ug/mL	-0.02
Spiked Amount	100.000	Range	35 - 114	Recovery	=	83.88%
38) 2-Fluorobiphenyl	9.24	172	3234468	60.60	ug/mL	-0.02
Spiked Amount	100.000	Range	43 - 116	Recovery	=	60.60%
59) 2,4,6-Tribromophenol	11.28	330	858920	101.63	ug/mL	-0.02
Spiked Amount	200.000	Range	10 - 123	Recovery	=	50.82%
70) Terphenyl-d14	14.56	244	3175827	62.70	ug/mL	-0.01
Spiked Amount	100.000	Range	33 - 141	Recovery	=	62.70%

Target Compounds

Qvalue

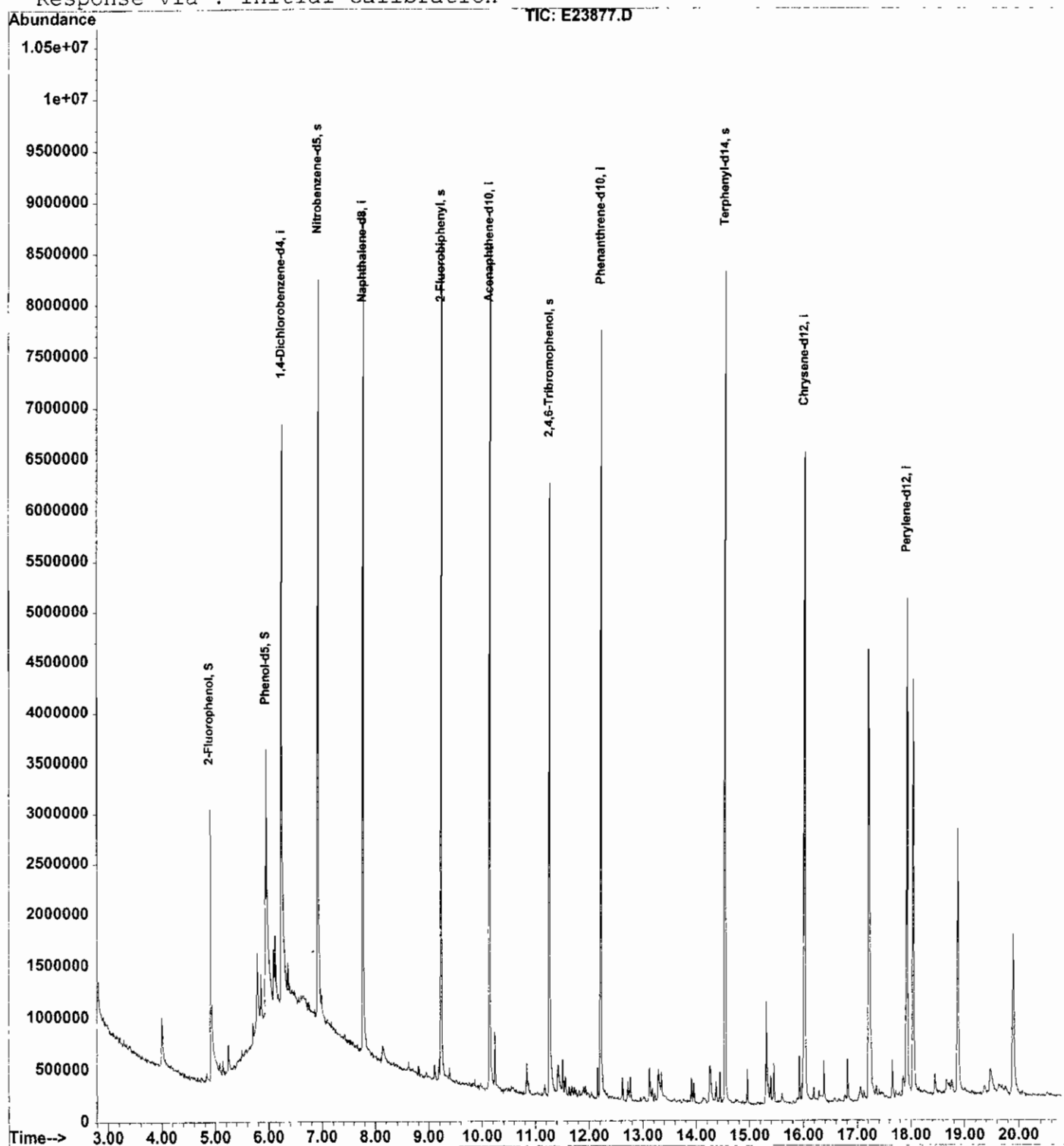
Quantitation Report

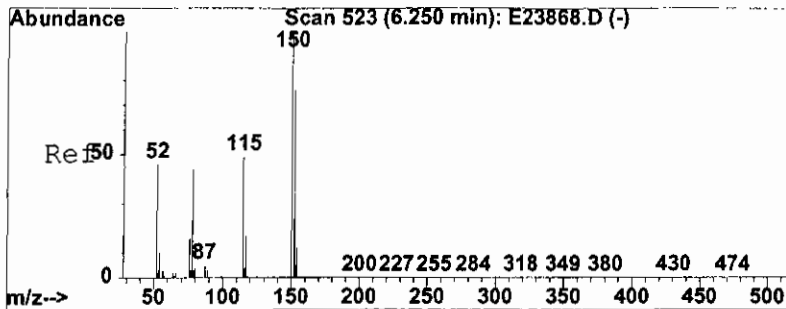
Data File : C:\HPCHEM\1\DATA\E23877.D
 Acq On : 12 Apr 2001 9:03 pm
 Sample : 01040168-03 \$8270W ASPB 1L\1ML 2X
 Misc : QBSV2041201A
 MS Integration Params: rteint.p
 Quant Time: Aug 21 15:25 19101

Vial: 16
 Operator: RB
 Inst : BNA NO 2
 Multiplr: 2.00

Quant Results File: BNA2-13.RES

Method : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)
 Title : Semivolatiles by GC/MS - EPA Method 625/8270
 Last Update : Fri Apr 13 09:29:39 2001
 Response via : Initial Calibration

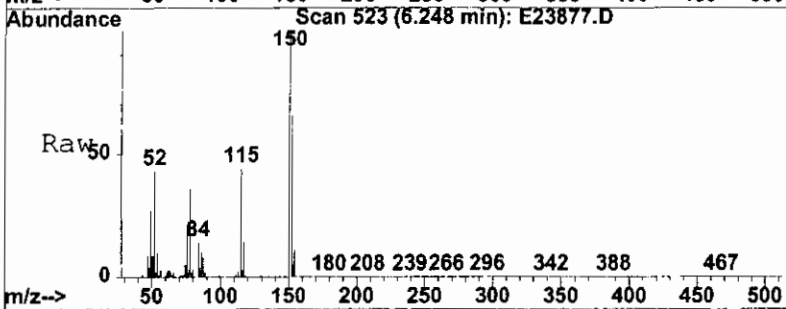




#1
1,4-Dichlorobenzene-d4
Concen: 40.00 ug/mL
RT: 6.25 min Scan# 523
Delta R.T. -0.01 min
Lab File: E23877.D
Acq: 12 Apr 2001 9:03 pm

Tgt Ion:152 Resp: 1335472

Ion	Ratio	Lower	Upper
152	100		
150	154.2	169.4	254.2#
115	69.2	70.3	105.5#
78	62.3	76.0	114.0#



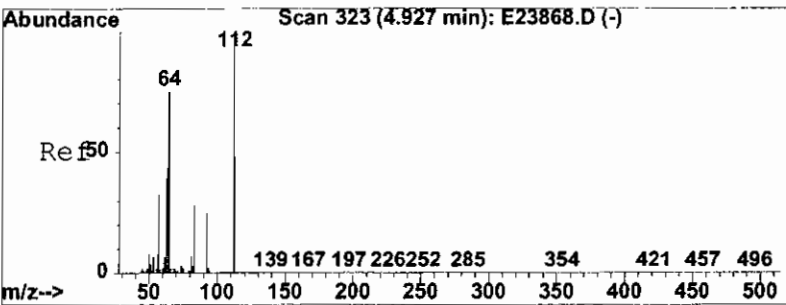
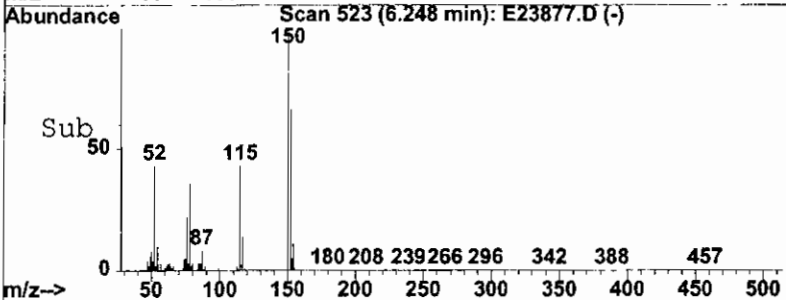
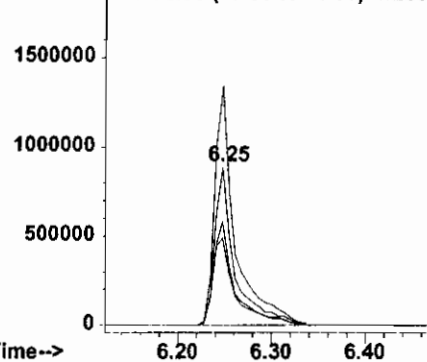
Abundance

Ion 152.00 (151.50 to 152.50): E2

Ion 150.00 (149.50 to 150.50): E2

Ion 115.00 (114.50 to 115.50): E2

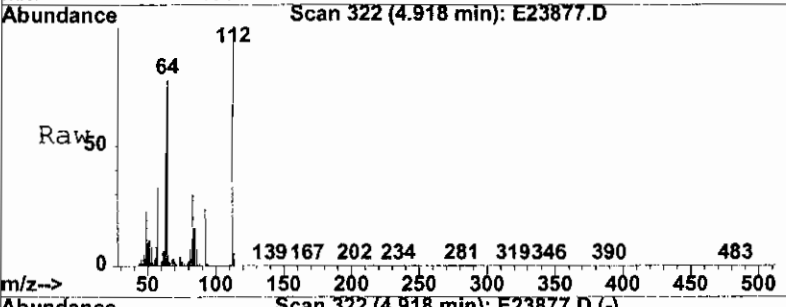
Ion 78.00 (77.50 to 78.50): E238



#4
2-Fluorophenol
Concen: 40.73 ug/mL
RT: 4.92 min Scan# 322
Delta R.T. -0.02 min
Lab File: E23877.D
Acq: 12 Apr 2001 9:03 pm

Tgt Ion:112 Resp: 1170278

Ion	Ratio	Lower	Upper
112	100		
64	70.9	58.7	88.1
92	22.2	18.2	27.2

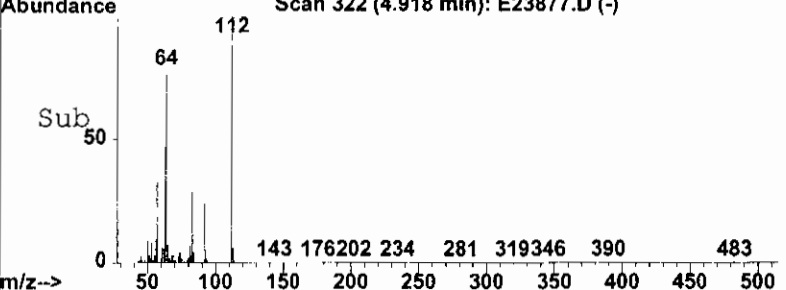
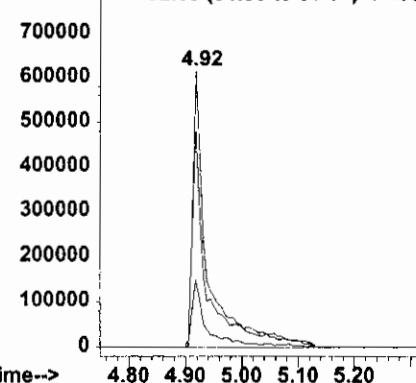


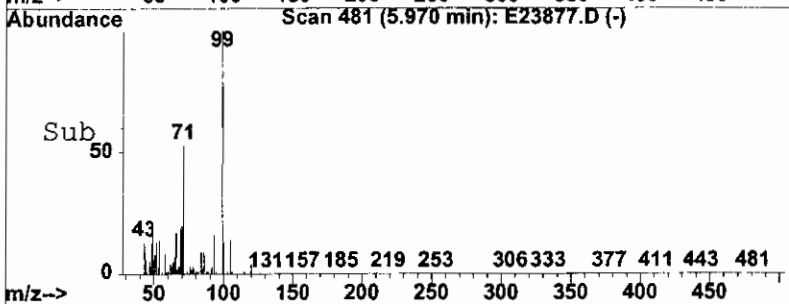
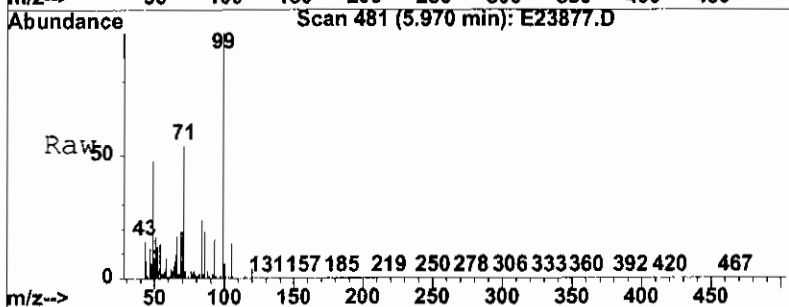
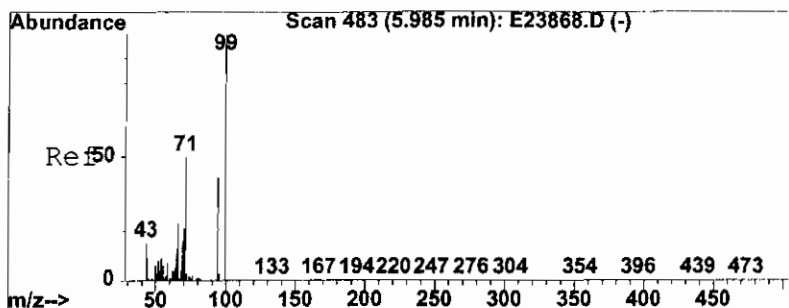
Abundance

Ion 112.00 (111.50 to 112.50): E2

Ion 64.00 (63.50 to 64.50): E238

Ion 92.00 (91.50 to 92.50): E238

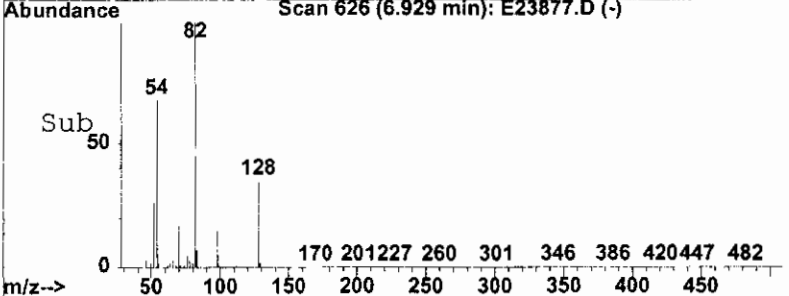
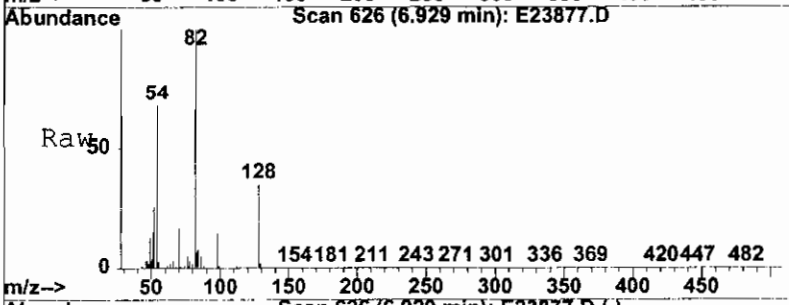
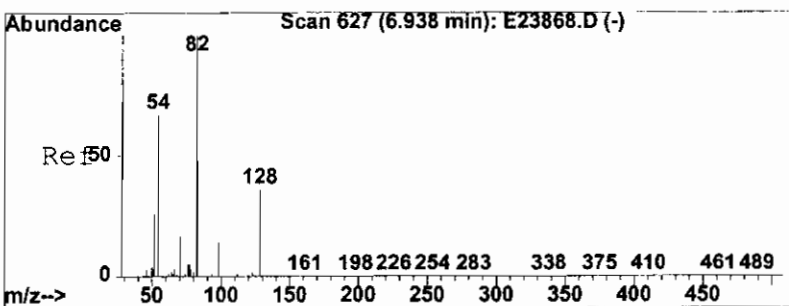
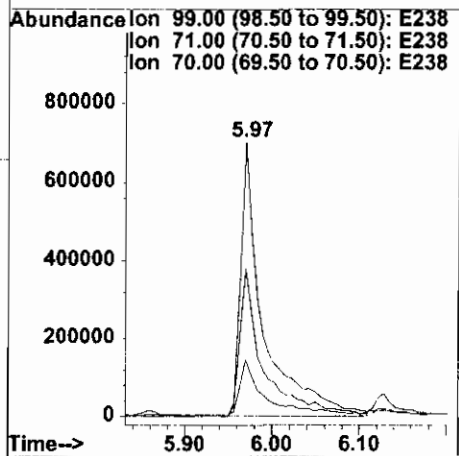




#5
Phenol-d5
Concen: 32.38 ug/mL
RT: 5.97 min Scan# 481
Delta R.T. -0.03 min
Lab File: E23877.D
Acq: 12 Apr 2001 9:03 pm

Tgt Ion: 99 Resp: 1272625

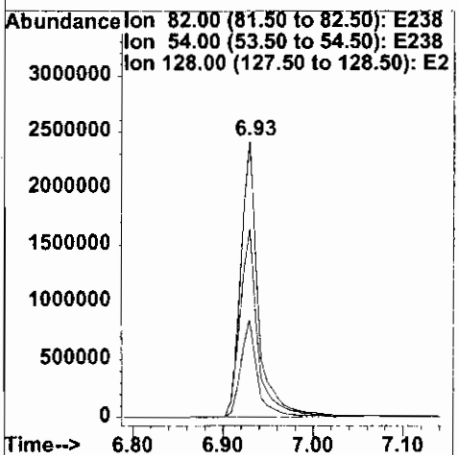
Ion	Ratio	Lower	Upper
99	100		
71	55.1	43.1	64.7
70	22.4	16.6	24.8

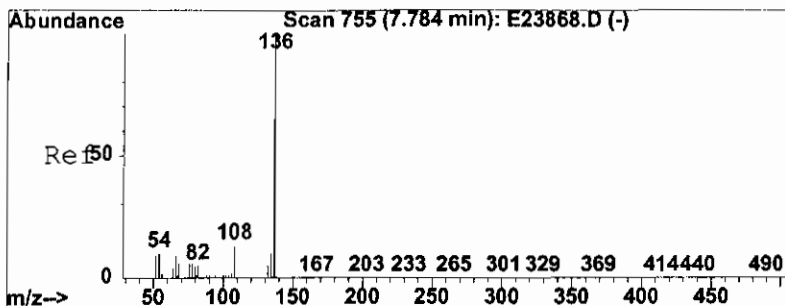


#19
Nitrobenzene-d5
Concen: 83.88 ug/mL
RT: 6.93 min Scan# 626
Delta R.T. -0.02 min
Lab File: E23877.D
Acq: 12 Apr 2001 9:03 pm

Tgt Ion: 82 Resp: 3263066

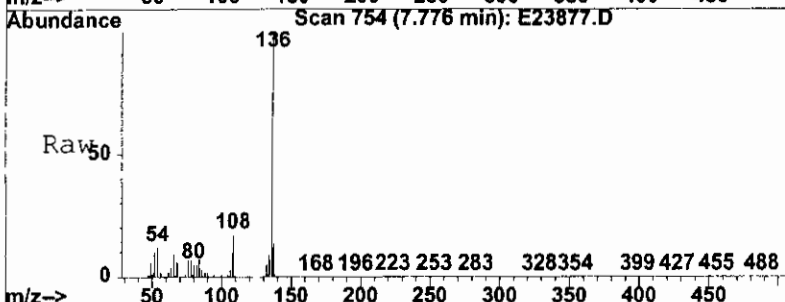
Ion	Ratio	Lower	Upper
82	100		
54	70.5	24.7	37.1#
128	34.1	1.8	2.6#



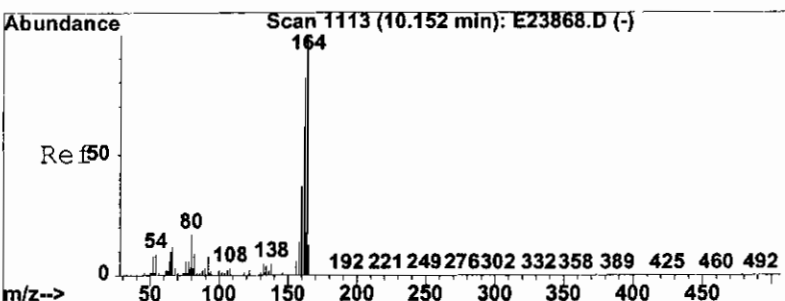
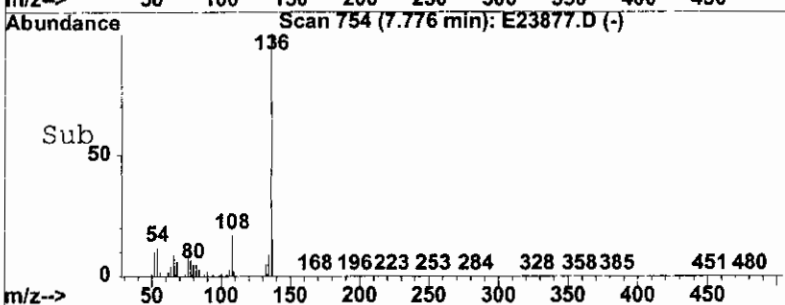
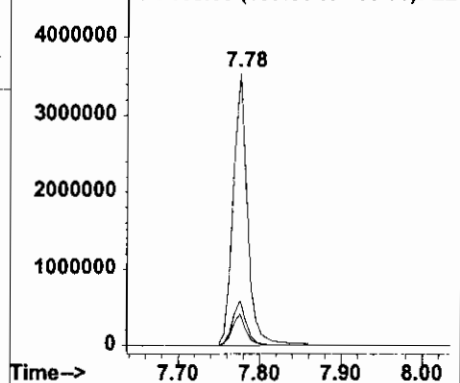


#21
Naphthalene-d8
Concen: 40.00 ug/mL
RT: 7.78 min Scan# 754
Delta R.T. -0.01 min
Lab File: E23877.D
Acq: 12 Apr 2001 9:03 pm

Tgt Ion:136 Resp: 4389927
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
108 15.9 12.8 19.2

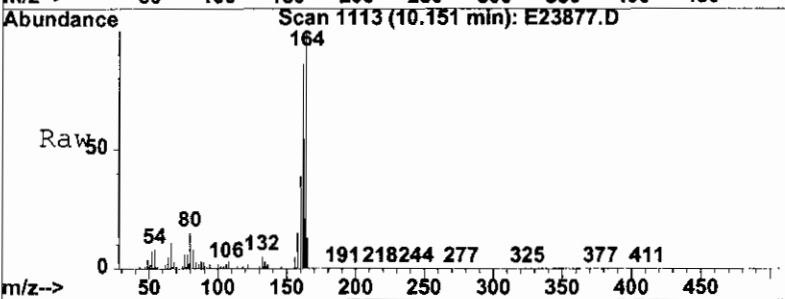


Abundance Ion 136.05 (135.55 to 136.55): E2
Ion 137.00 (136.50 to 137.50): E2
Ion 108.00 (107.50 to 108.50): E2

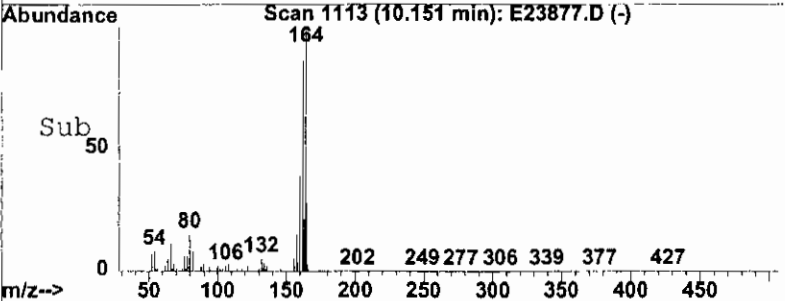
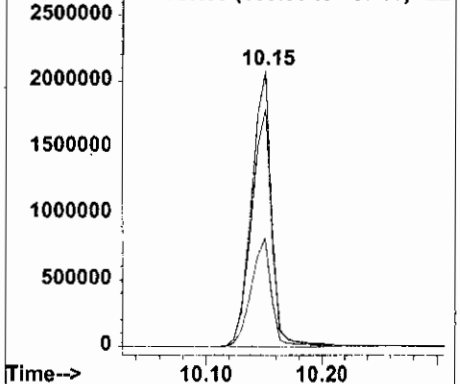


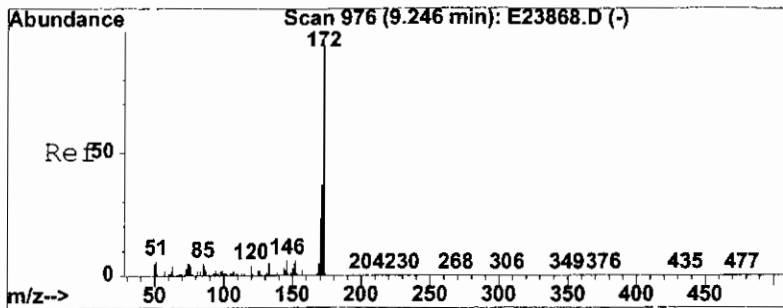
#35
Acenaphthene-d10
Concen: 40.00 ug/mL
RT: 10.15 min Scan# 1113
Delta R.T. -0.01 min
Lab File: E23877.D
Acq: 12 Apr 2001 9:03 pm

Tgt Ion:164 Resp: 2503447
Ion Ratio Lower Upper
164 100
162 86.8 69.4 104.2
160 40.1 31.8 47.6



Abundance Ion 164.00 (163.50 to 164.50): E2
Ion 162.00 (161.50 to 162.50): E2
Ion 160.00 (159.50 to 160.50): E2

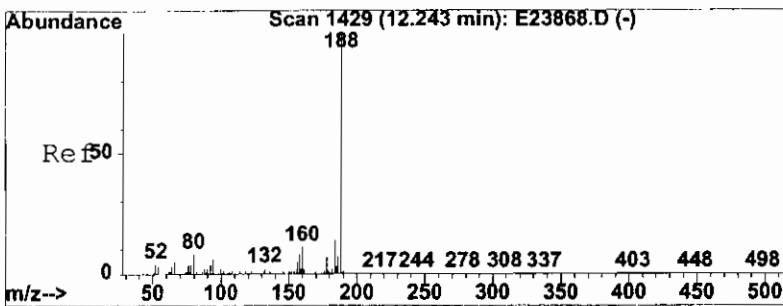
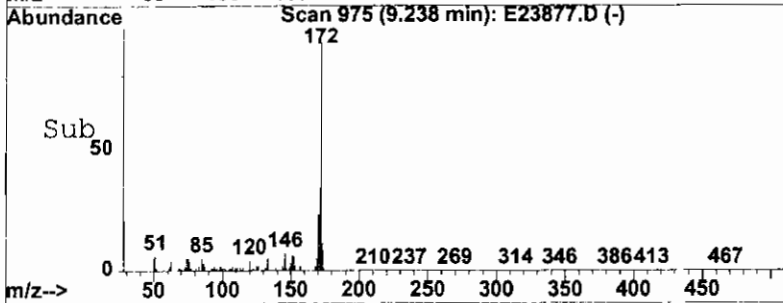
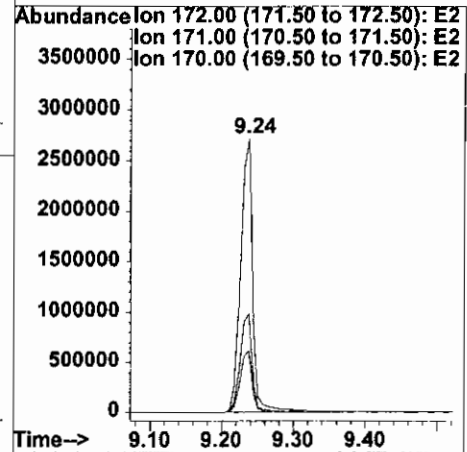
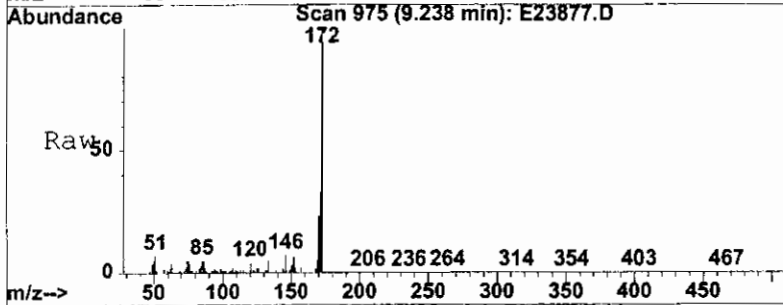




#38
2-Fluorobiphenyl
Concen: 60.60 ug/mL
RT: 9.24 min Scan# 975
Delta R.T. -0.02 min
Lab File: E23877.D
Acq: 12 Apr 2001 9:03 pm

Tgt Ion: 172 Resp: 3234468

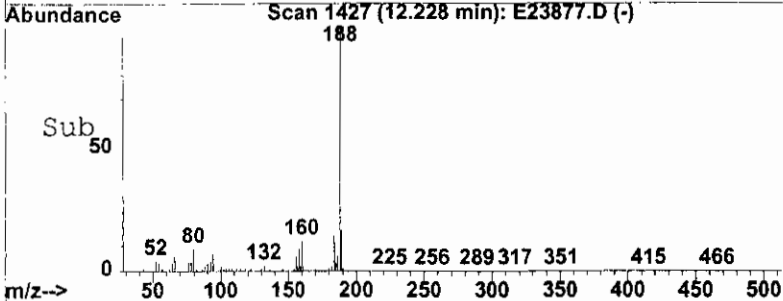
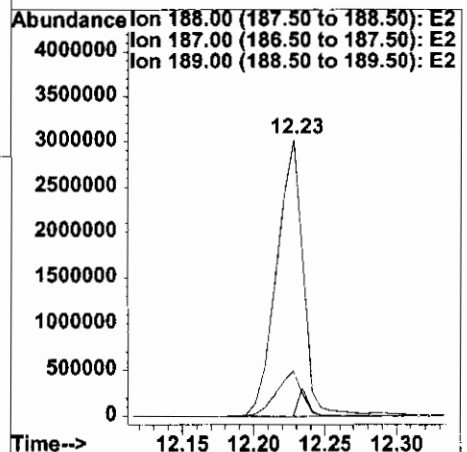
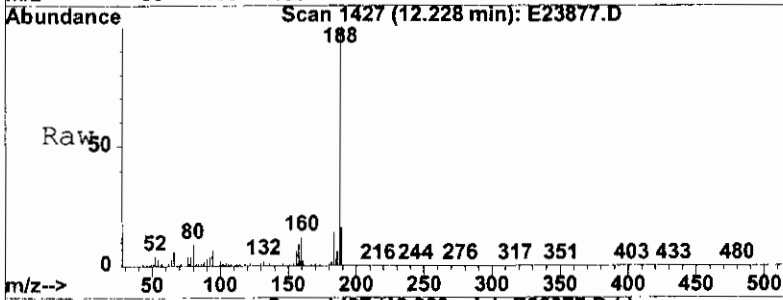
Ion	Ratio	Lower	Upper
172	100		
171	35.3	30.5	45.7
170	21.5	19.3	28.9

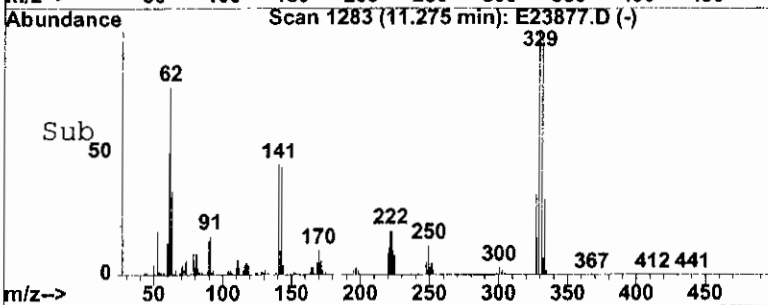
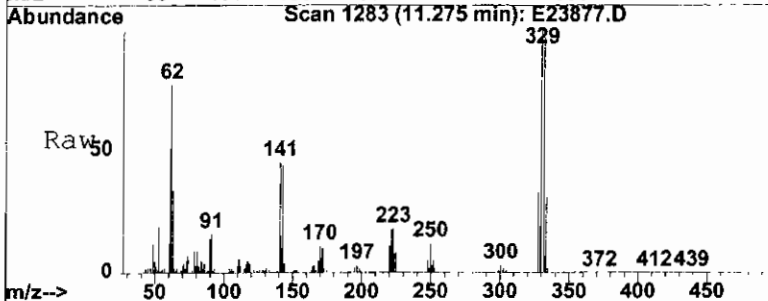
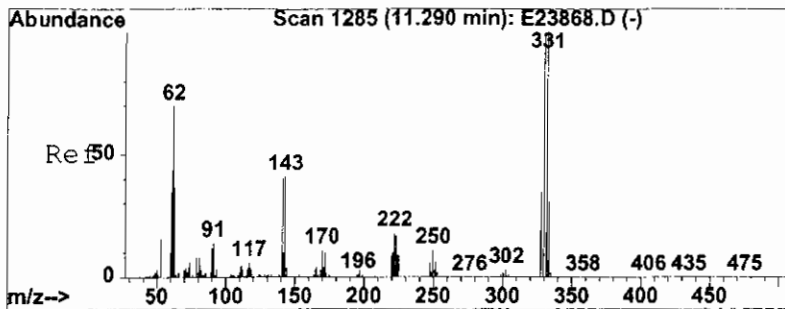


#57
Phenanthrene-d10
Concen: 40.00 ug/mL
RT: 12.23 min Scan# 1427
Delta R.T. -0.03 min
Lab File: E23877.D
Acq: 12 Apr 2001 9:03 pm

Tgt Ion: 188 Resp: 3882851

Ion	Ratio	Lower	Upper
188	100		
187	3.8	1.4	2.2#
189	15.7	12.5	18.7





#59

2,4,6-Tribromophenol

Concen: 101.63 ug/mL

RT: 11.28 min Scan# 1283

Delta R.T. -0.02 min

Lab File: E23877.D

Acq: 12 Apr 2001 9:03 pm

Tgt Ion: 330 Resp: 858920

Ion Ratio Lower Upper

330 100

332 95.8 76.1 114.1

328 32.9 25.8 38.6

334 29.0 23.0 34.6

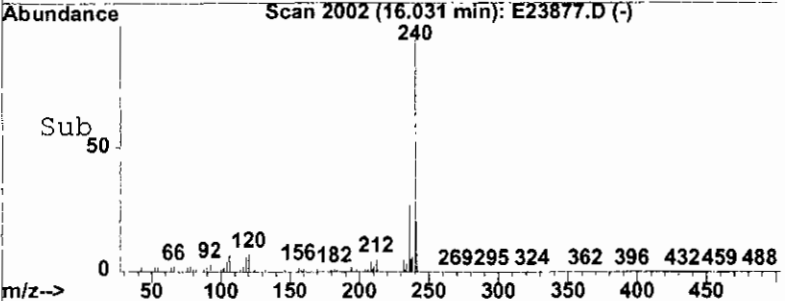
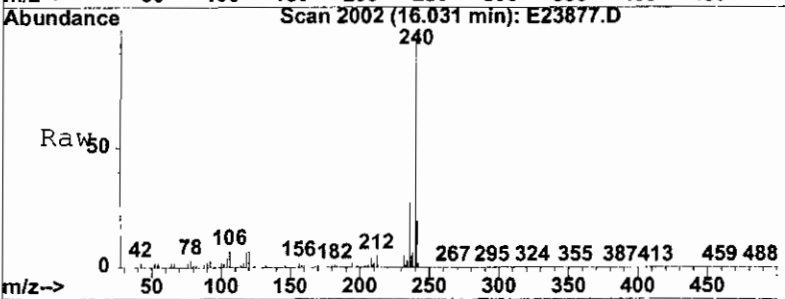
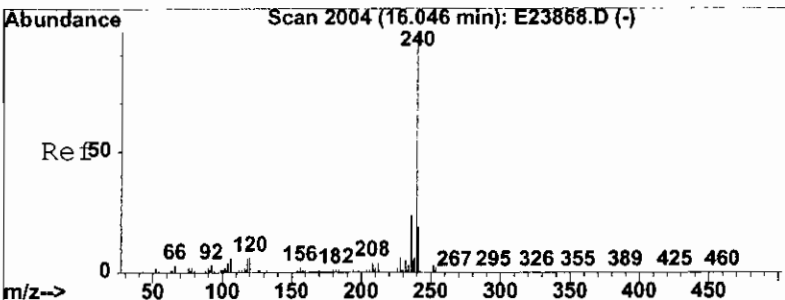
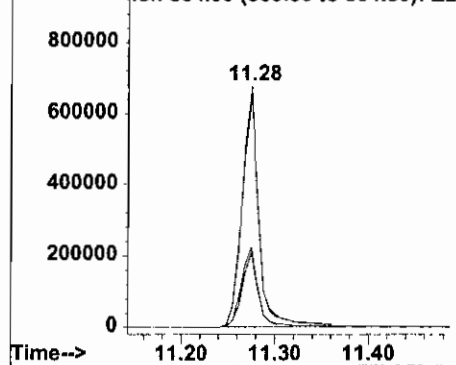
Abundance

Ion 330.00 (329.50 to 330.50): E2

Ion 332.00 (331.50 to 332.50): E2

Ion 328.00 (327.50 to 328.50): E2

Ion 334.00 (333.50 to 334.50): E2



#69

Chrysene-d12

Concen: 40.00 ug/mL

RT: 16.03 min Scan# 2002

Delta R.T. -0.03 min

Lab File: E23877.D

Acq: 12 Apr 2001 9:03 pm

Tgt Ion: 240 Resp: 3606821

Ion Ratio Lower Upper

240 100

236 25.5 20.1 30.1

241 19.7 15.4 23.0

239 0.0 0.0 0.0#

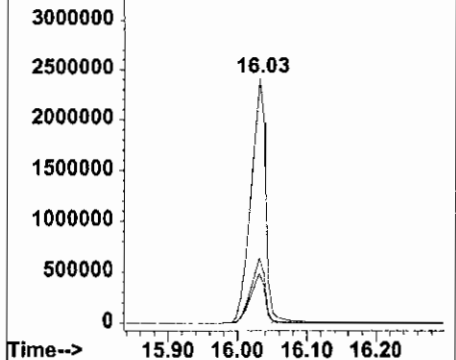
Abundance

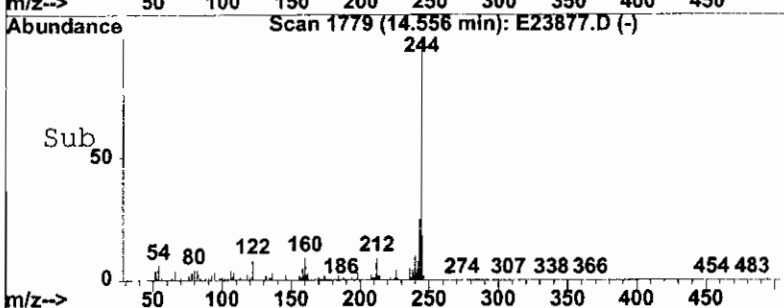
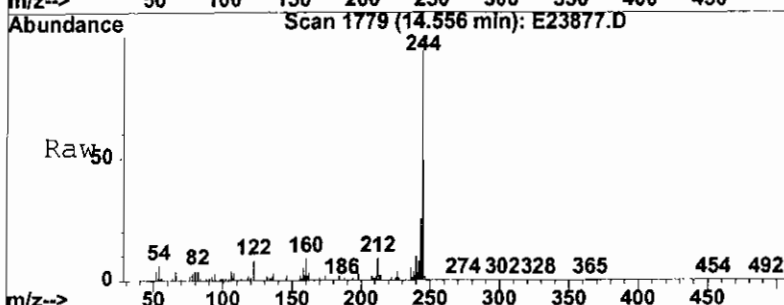
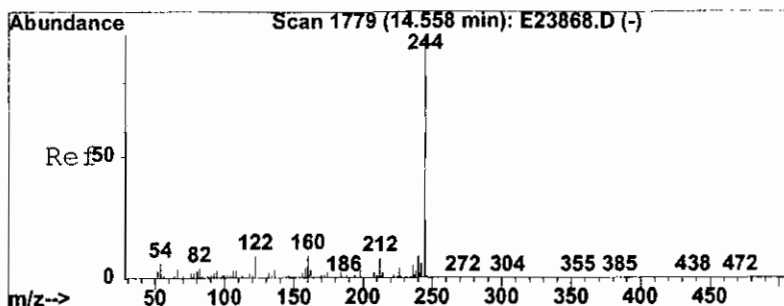
Ion 240.00 (239.50 to 240.50): E2

Ion 236.00 (235.50 to 236.50): E2

Ion 241.00 (240.50 to 241.50): E2

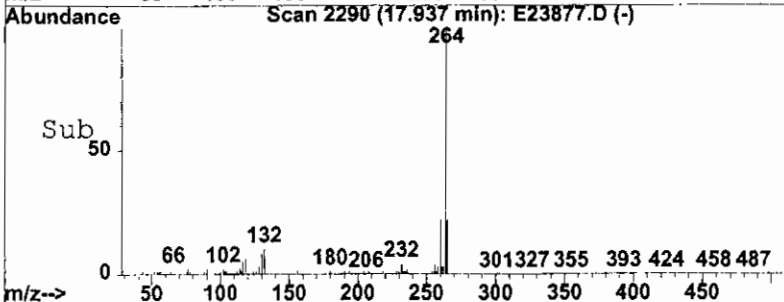
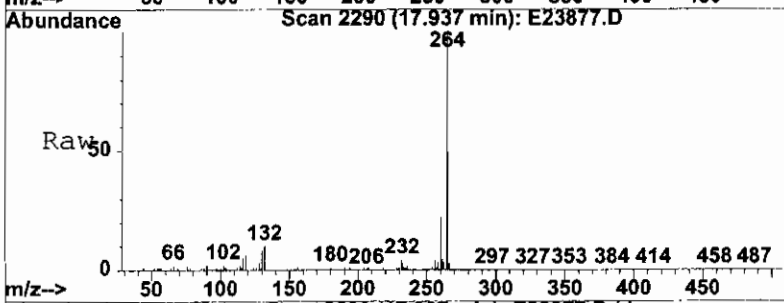
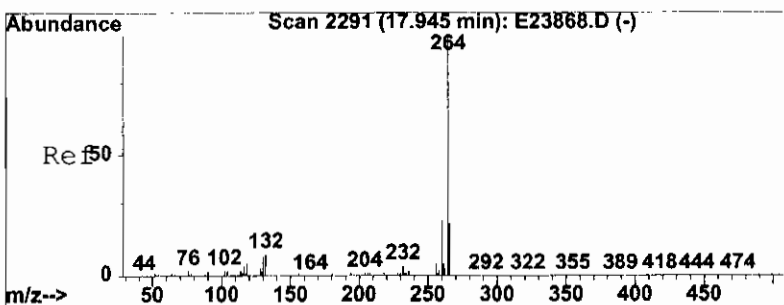
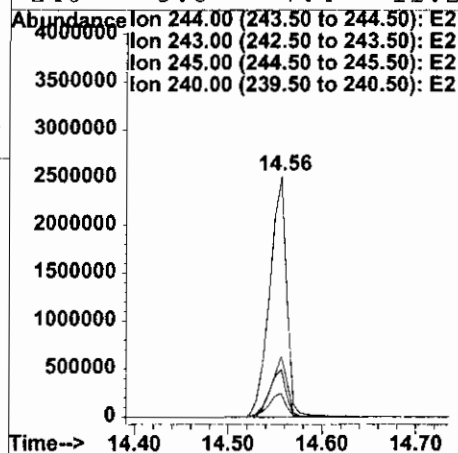
Ion 239.00 (238.50 to 239.50): E2





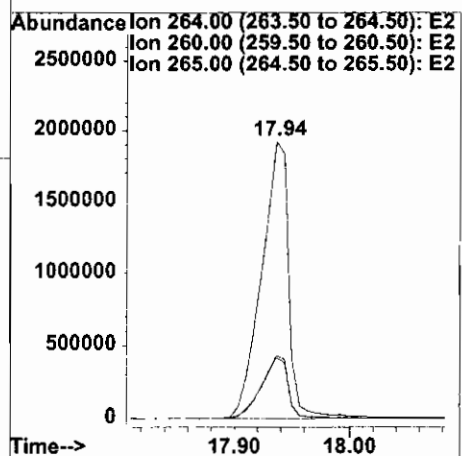
#70
Terphenyl-d14
Concen: 62.70 ug/mL
RT: 14.56 min Scan# 1779
Delta R.T. -0.01 min
Lab File: E23877.D
Acq: 12 Apr 2001 9:03 pm

Tgt Ion:244 Resp: 3175827
Ion Ratio Lower Upper
244 100
243 22.7 0.0 0.0#
245 19.4 16.2 24.4
240 9.8 7.4 11.2



#77
Perylene-d12
Concen: 40.00 ug/mL
RT: 17.94 min Scan# 2290
Delta R.T. -0.02 min
Lab File: E23877.D
Acq: 12 Apr 2001 9:03 pm

Tgt Ion:264 Resp: 3124225
Ion Ratio Lower Upper
264 100
260 22.4 18.1 27.1
265 21.7 17.6 26.4



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E23878.D
Acq On : 12 Apr 2001 9:34 pm
Sample : 01040168-04 \$8270W ASPB 900ML\1ML
Misc : QBSV2041201A
MS Integration Params: rteint.p
Quant Time: Aug 21 15:26 19101

Vial: 17
Operator: RB
Inst : BNA NO 2
Multiplr: 1.10

Quant Results File: BNA2-13.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Fri Apr 13 09:29:39 2001
Response via : Initial Calibration
DataAcq Meth : BNA2-12

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.25	152	1129989	40.00	ug/mL	0.00
21) Naphthalene-d8	7.78	136	3654975	40.00	ug/mL	-0.01
35) Acenaphthene-d10	10.15	164	2151401	40.00	ug/mL	-0.02
57) Phenanthrene-d10	12.22	188	3325102	40.00	ug/mL	-0.03
69) Chrysene-d12	16.03	240	2680087	40.00	ug/mL	-0.03
77) Perylene-d12	17.93	264	2427742	40.00	ug/mL	-0.03

System Monitoring Compounds

4) 2-Fluorophenol	4.93	112	2687714	60.81	ug/mL	-0.01
Spiked Amount	200.000	Range	21 - 100	Recovery	=	30.41%
5) Phenol-d5	5.97	99	2784983	46.06	ug/mL	-0.02
Spiked Amount	200.000	Range	10 - 100	Recovery	=	23.03%
19) Nitrobenzene-d5	6.93	82	4645254	77.62	ug/mL	-0.01
Spiked Amount	100.000	Range	35 - 114	Recovery	=	77.62%
38) 2-Fluorobiphenyl	9.24	172	4524890	54.26	ug/mL	-0.01
Spiked Amount	100.000	Range	43 - 116	Recovery	=	54.26%
59) 2,4,6-Tribromophenol	11.28	330	2011662	152.88	ug/mL	-0.02
Spiked Amount	200.000	Range	10 - 123	Recovery	=	76.44%
70) Terphenyl-d14	14.57	244	5486503	80.17	ug/mL	0.00
Spiked Amount	100.000	Range	33 - 141	Recovery	=	80.17%

Target Compounds

Qvalue

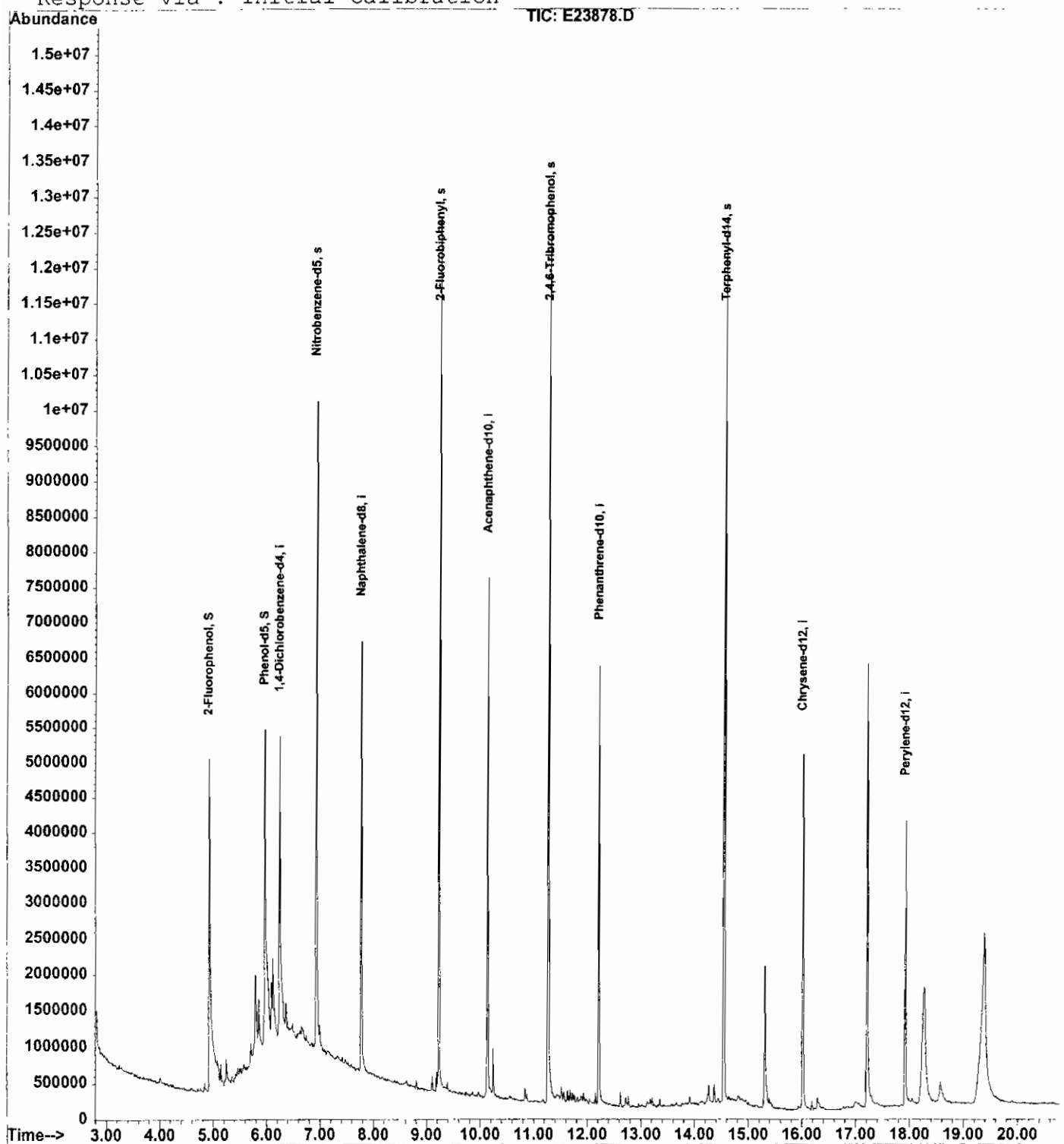
Quantitation Report

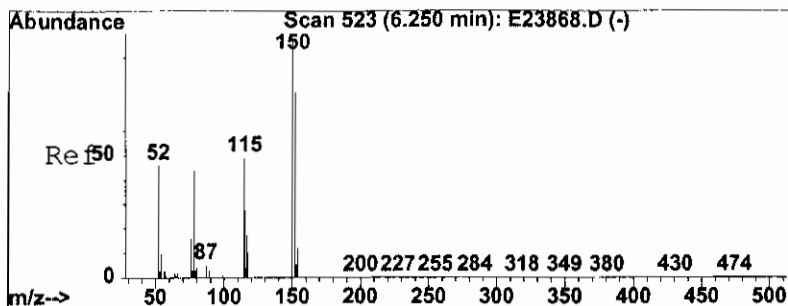
Data File : C:\HPCHEM\1\DATA\E23878.D
 Acq On : 12 Apr 2001 9:34 pm
 Sample : 01040168-04 \$8270W ASPB 900ML\1ML
 Misc : QBSV2041201A
 MS Integration Params: rteint.p
 Quant Time: Aug 21 15:26 19101

Vial: 17
 Operator: RB
 Inst : BNA NO 2
 Multiplr: 1.10

Quant Results File: BNA2-13.RES

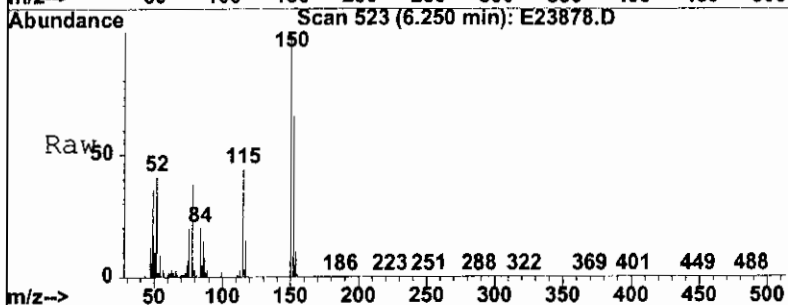
Method : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)
 Title : Semivolatiles by GC/MS - EPA Method 625/8270
 Last Update : Fri Apr 13 09:29:39 2001
 Response via : Initial Calibration



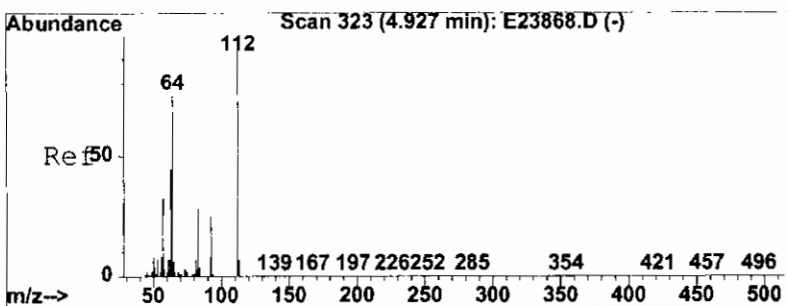
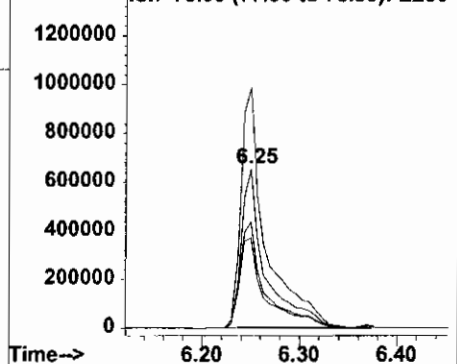
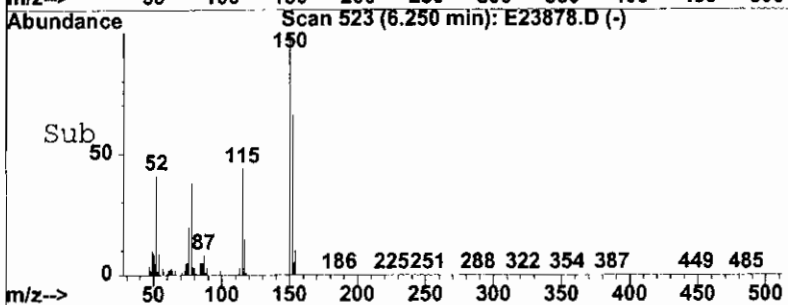


#1
1,4-Dichlorobenzene-d4
Concen: 40.00 ug/mL
RT: 6.25 min Scan# 523
Delta R.T. -0.01 min
Lab File: E23878.D
Acq: 12 Apr 2001 9:34 pm

Tgt Ion:152 Resp: 1129989
Ion Ratio Lower Upper
152 100
150 156.4 169.4 254.2#
115 69.4 70.3 105.5#
78 60.8 76.0 114.0#

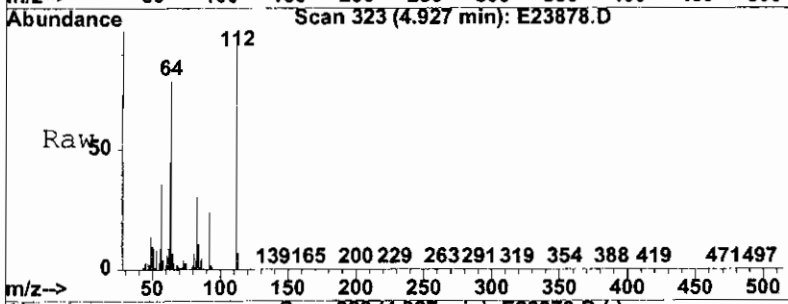


Abundance Ion 152.00 (151.50 to 152.50): E2
Ion 150.00 (149.50 to 150.50): E2
Ion 115.00 (114.50 to 115.50): E2
Ion 78.00 (77.50 to 78.50): E238

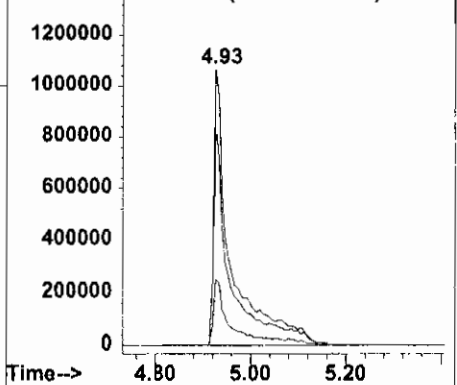
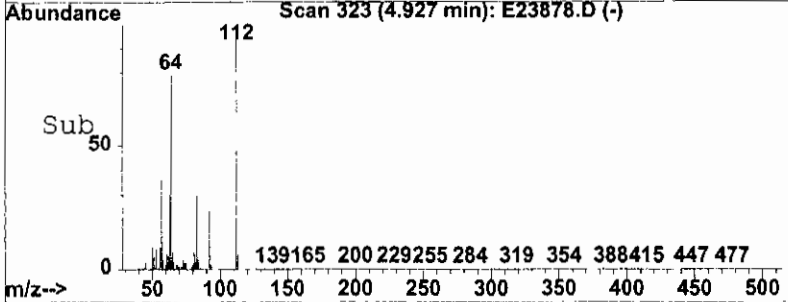


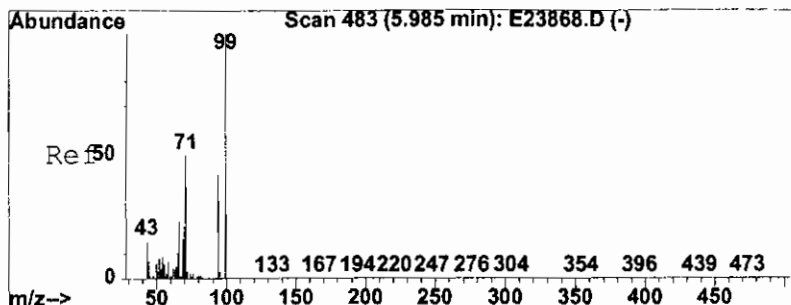
#4
2-Fluorophenol
Concen: 60.81 ug/mL
RT: 4.93 min Scan# 323
Delta R.T. -0.01 min
Lab File: E23878.D
Acq: 12 Apr 2001 9:34 pm

Tgt Ion:112 Resp: 2687714
Ion Ratio Lower Upper
112 100
64 77.3 58.7 88.1
92 22.3 18.2 27.2



Abundance Ion 112.00 (111.50 to 112.50): E2
Ion 64.00 (63.50 to 64.50): E238
Ion 92.00 (91.50 to 92.50): E238

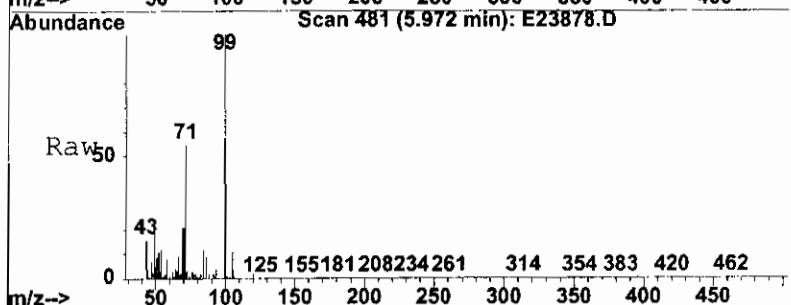




#5
 Phenol-d5
 Concen: 46.06 ug/mL
 RT: 5.97 min Scan# 481
 Delta R.T. -0.02 min
 Lab File: E23878.D
 Acq: 12 Apr 2001 9:34 pm

Tgt Ion: 99 Resp: 2784983

Ion	Ratio	Lower	Upper
99	100		
71	55.6	43.1	64.7
70	22.3	16.6	24.8

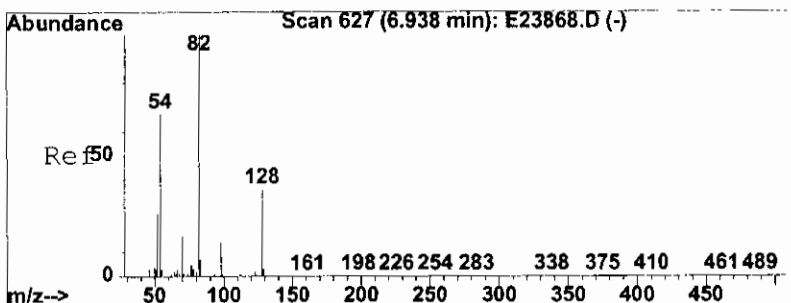
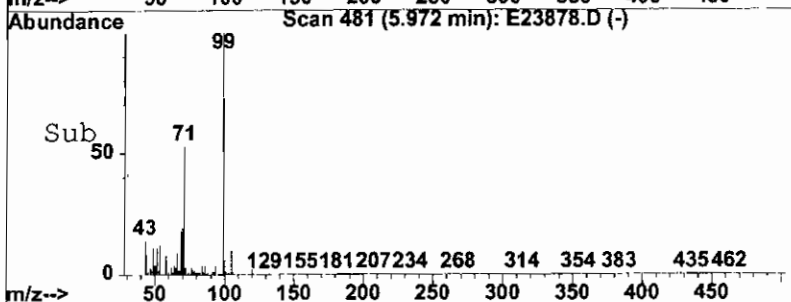
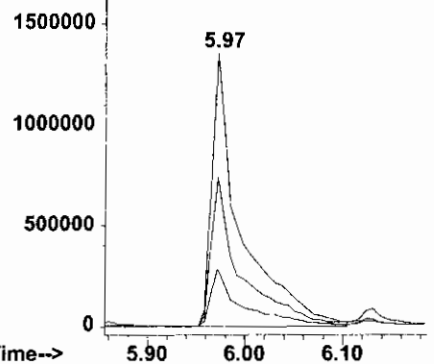


Abundance

Ion 99.00 (98.50 to 99.50): E238

Ion 71.00 (70.50 to 71.50): E238

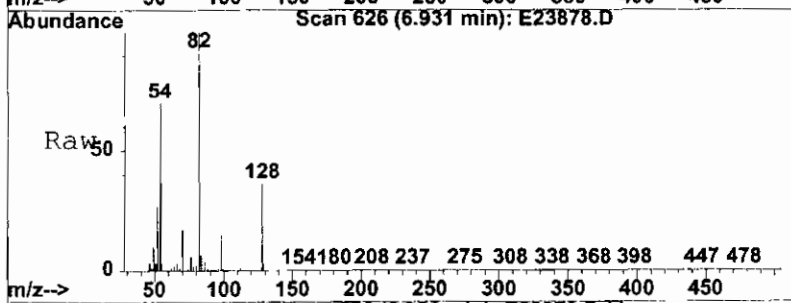
Ion 70.00 (69.50 to 70.50): E238



#19
 Nitrobenzene-d5
 Concen: 77.62 ug/mL
 RT: 6.93 min Scan# 626
 Delta R.T. -0.01 min
 Lab File: E23878.D
 Acq: 12 Apr 2001 9:34 pm

Tgt Ion: 82 Resp: 4645254

Ion	Ratio	Lower	Upper
82	100		
54	69.1	24.7	37.1#
128	34.9	1.8	2.6#

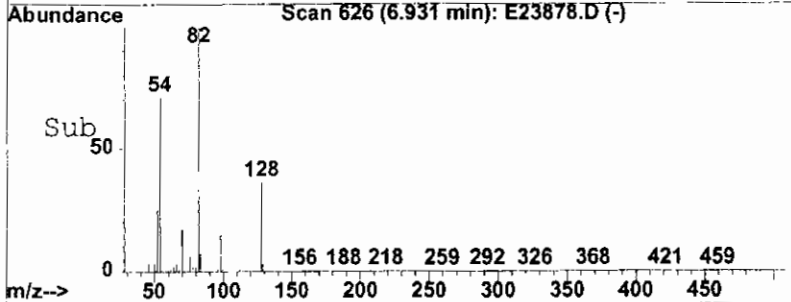
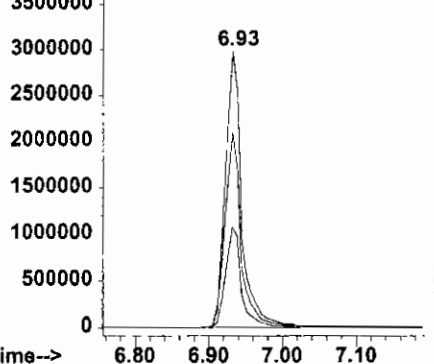


Abundance

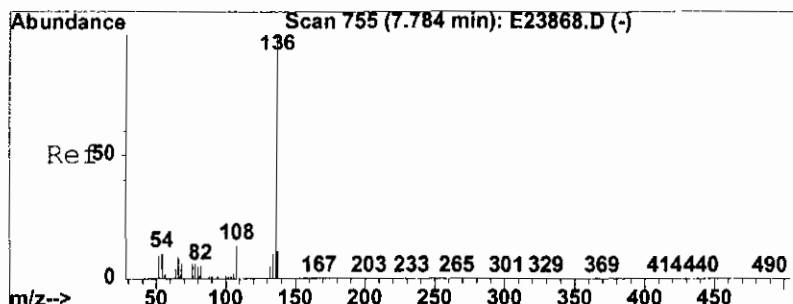
Ion 82.00 (81.50 to 82.50): E238

Ion 54.00 (53.50 to 54.50): E238

Ion 128.00 (127.50 to 128.50): E2



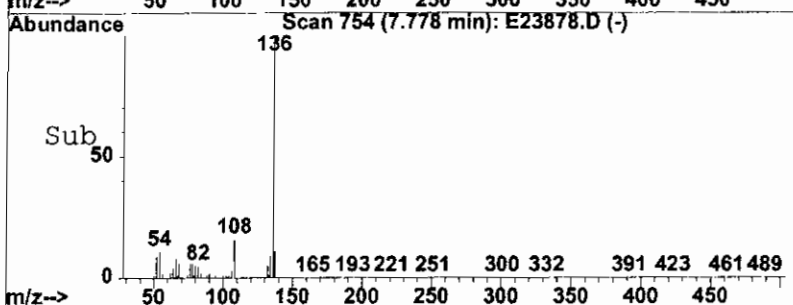
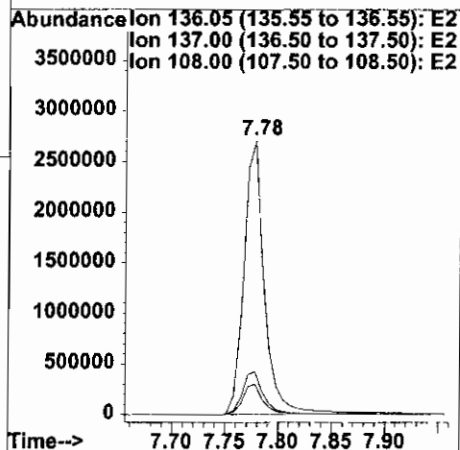
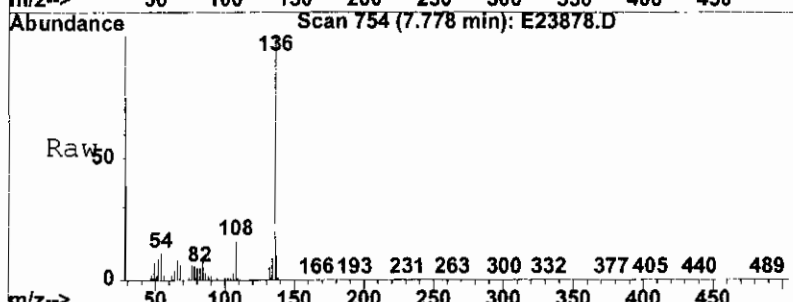
000416



#21
Naphthalene-d8
Concen: 40.00 ug/mL
RT: 7.78 min Scan# 754
Delta R.T. -0.01 min
Lab File: E23878.D
Acq: 12 Apr 2001 9:34 pm

Tgt Ion:136 Resp: 3654975

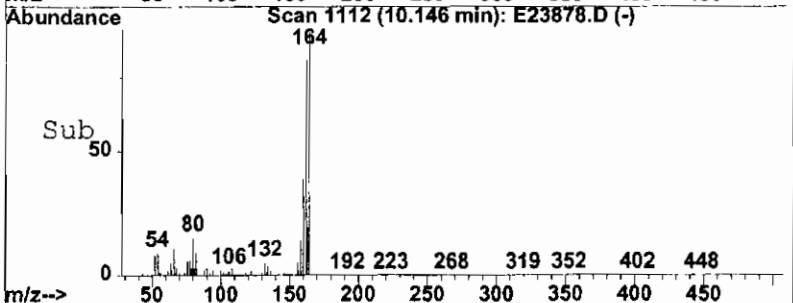
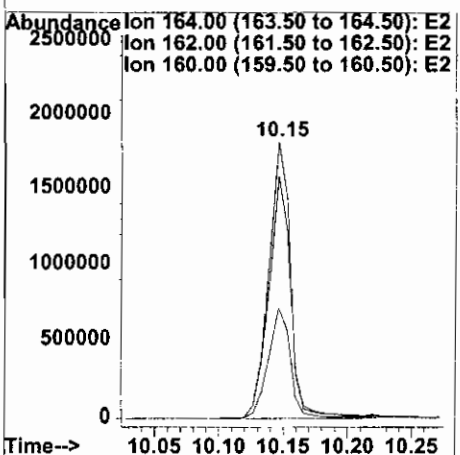
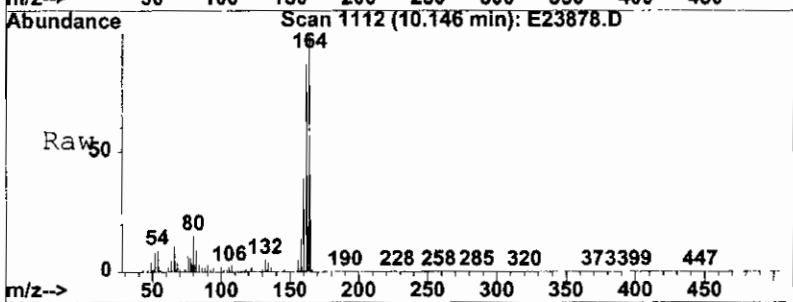
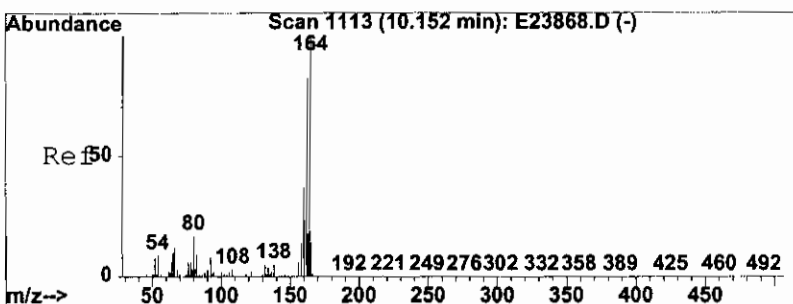
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
108	16.1	12.8	19.2

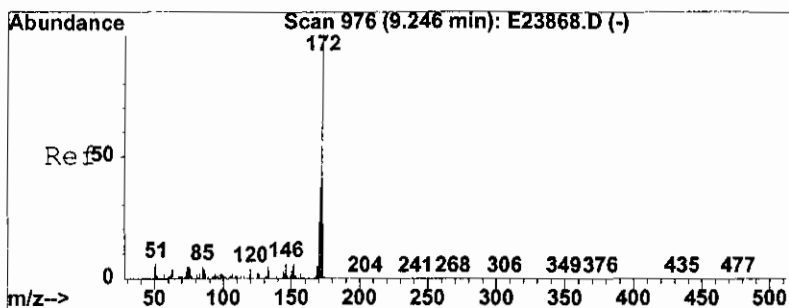


#35
Acenaphthene-d10
Concen: 40.00 ug/mL
RT: 10.15 min Scan# 1112
Delta R.T. -0.02 min
Lab File: E23878.D
Acq: 12 Apr 2001 9:34 pm

Tgt Ion:164 Resp: 2151401

Ion	Ratio	Lower	Upper
164	100		
162	89.5	69.4	104.2
160	40.3	31.8	47.6

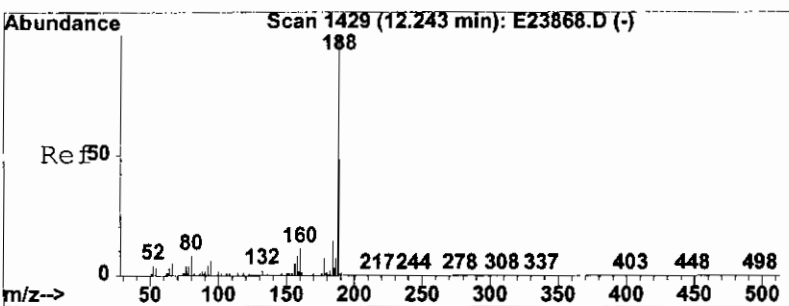
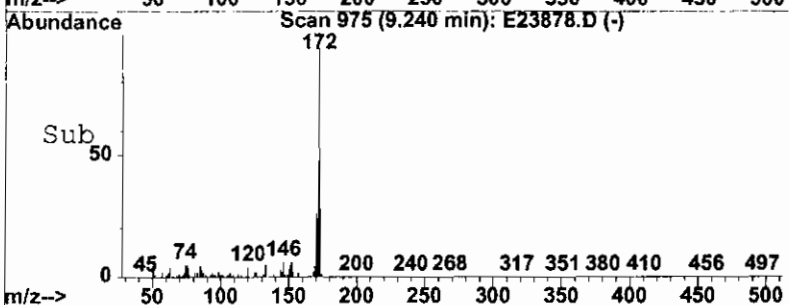
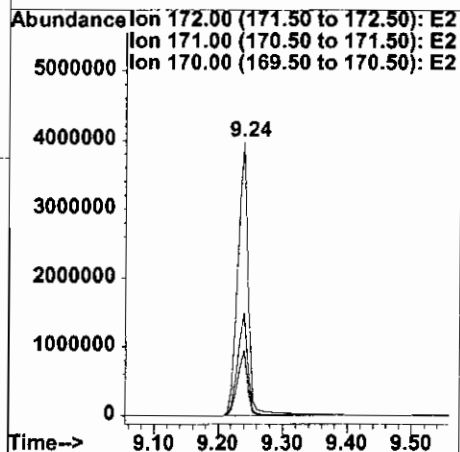
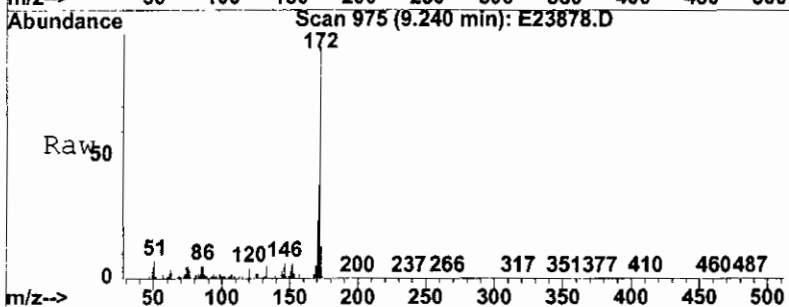




#38
2-Fluorobiphenyl
Concen: 54.26 ug/mL
RT: 9.24 min Scan# 975
Delta R.T. -0.01 min
Lab File: E23878.D
Acq: 12 Apr 2001 9:34 pm

Tgt Ion: 172 Resp: 4524890

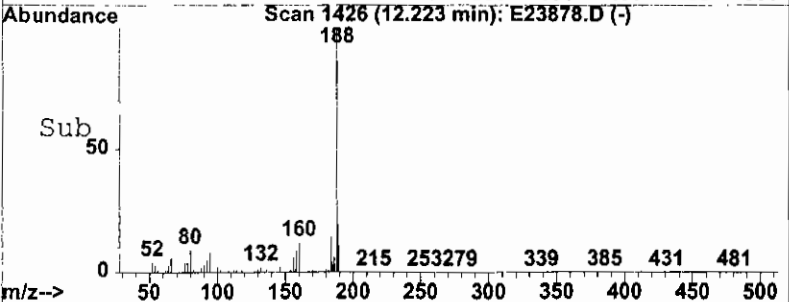
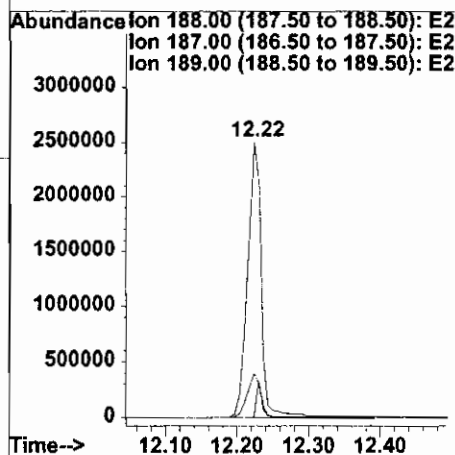
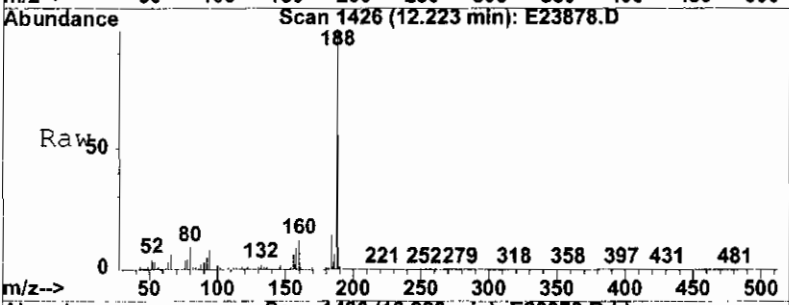
Ion	Ratio	Lower	Upper
172	100		
171	36.4	30.5	45.7
170	22.0	19.3	28.9

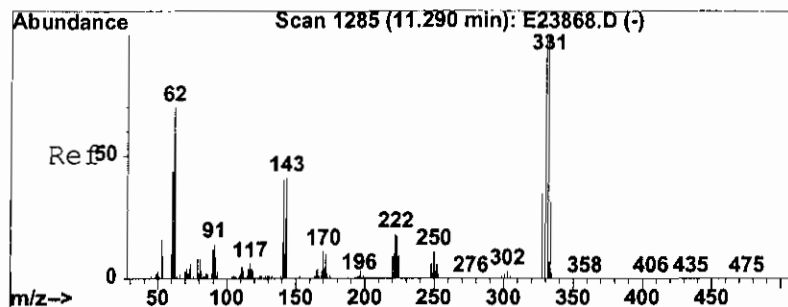


#57
Phenanthrene-d10
Concen: 40.00 ug/mL
RT: 12.22 min Scan# 1426
Delta R.T. -0.03 min
Lab File: E23878.D
Acq: 12 Apr 2001 9:34 pm

Tgt Ion: 188 Resp: 3325102

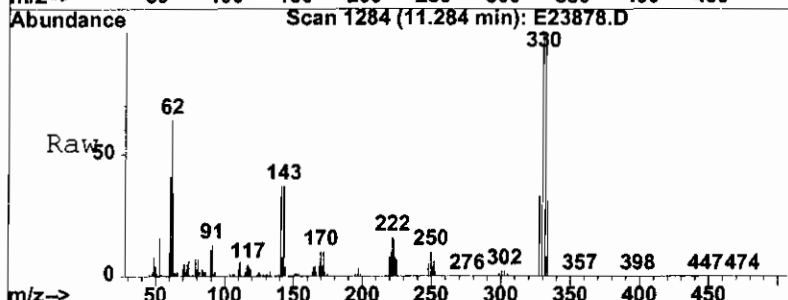
Ion	Ratio	Lower	Upper
188	100		
187	5.8	1.4	2.2#
189	15.1	12.5	18.7





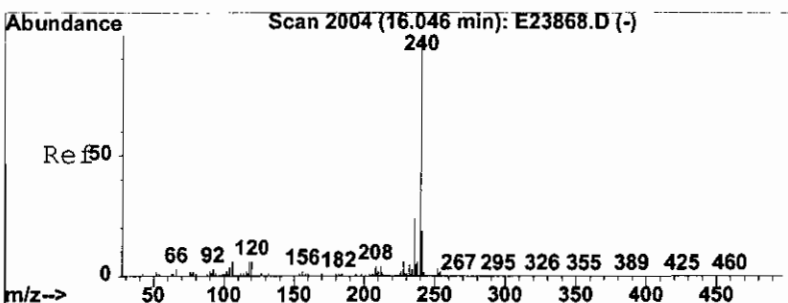
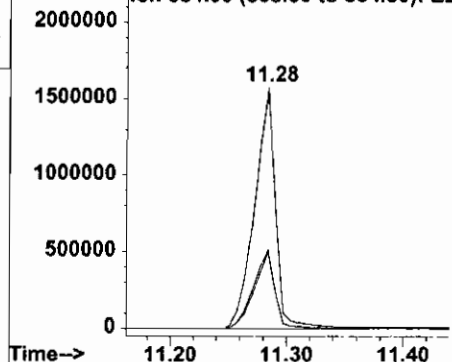
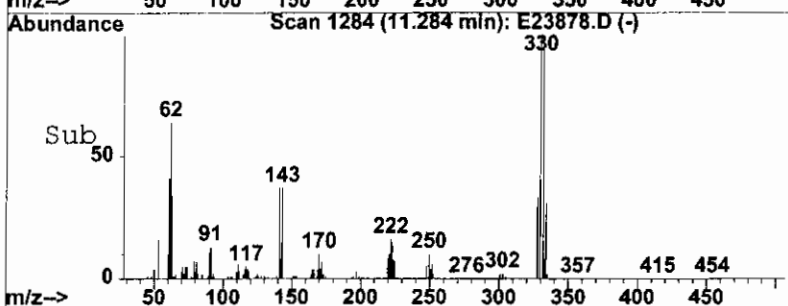
#59
2,4,6-Tribromophenol
Concen: 152.88 ug/mL
RT: 11.28 min Scan# 1284
Delta R.T. -0.02 min
Lab File: E23878.D
Acq: 12 Apr 2001 9:34 pm

Tgt Ion: 330 Resp: 2011662
Ion Ratio Lower Upper
330 100
332 98.3 76.1 114.1
328 33.6 25.8 38.6
334 31.0 23.0 34.6



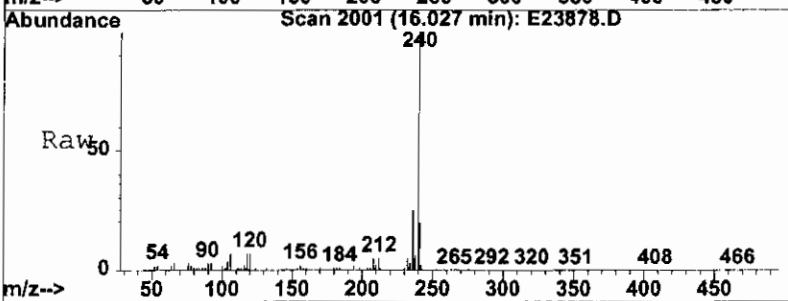
Abundance

Ion 330.00 (329.50 to 330.50): E2
Ion 332.00 (331.50 to 332.50): E2
Ion 328.00 (327.50 to 328.50): E2
Ion 334.00 (333.50 to 334.50): E2



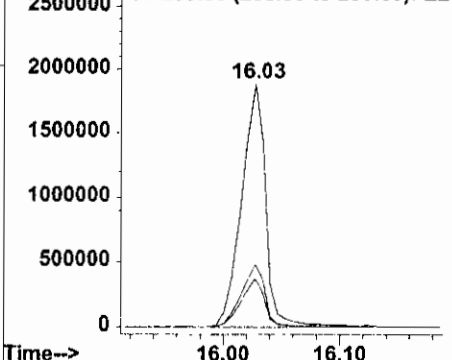
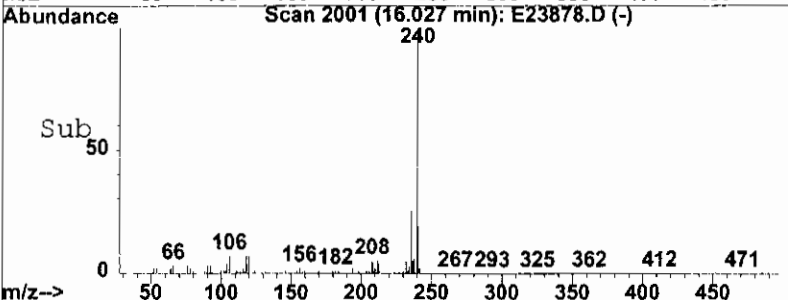
#69
Chrysene-d12
Concen: 40.00 ug/mL
RT: 16.03 min Scan# 2001
Delta R.T. -0.03 min
Lab File: E23878.D
Acq: 12 Apr 2001 9:34 pm

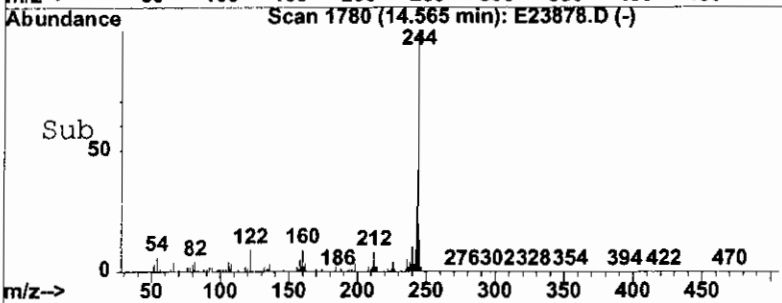
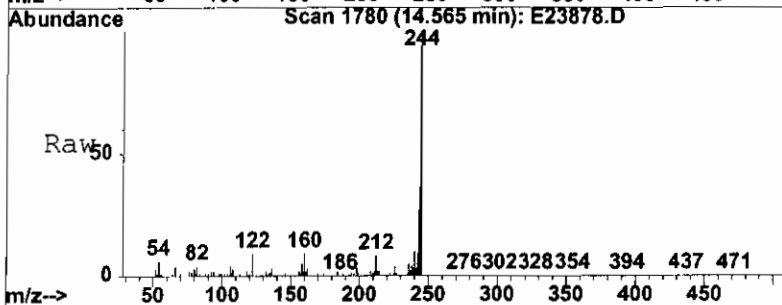
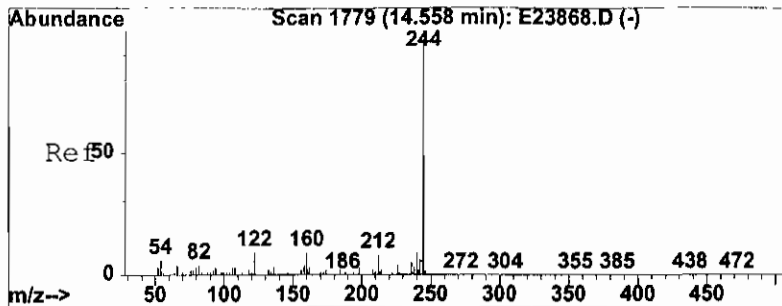
Tgt Ion: 240 Resp: 2680087
Ion Ratio Lower Upper
240 100
236 25.3 20.1 30.1
241 19.4 15.4 23.0
239 0.0 0.0 0.0#



Abundance

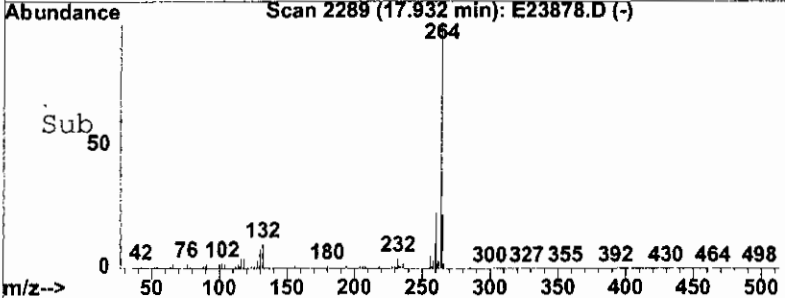
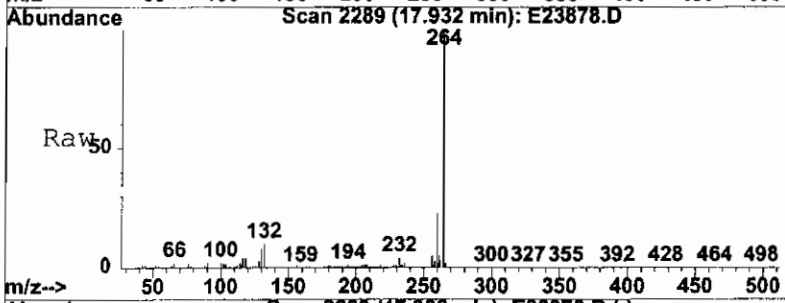
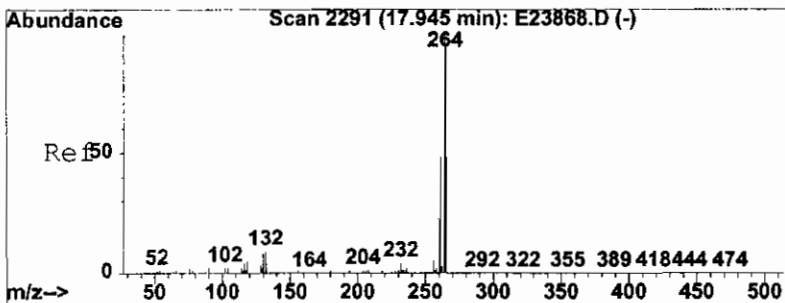
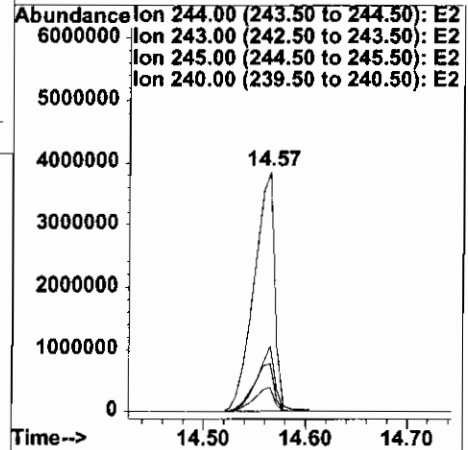
Ion 240.00 (239.50 to 240.50): E2
Ion 236.00 (235.50 to 236.50): E2
Ion 241.00 (240.50 to 241.50): E2
Ion 239.00 (238.50 to 239.50): E2





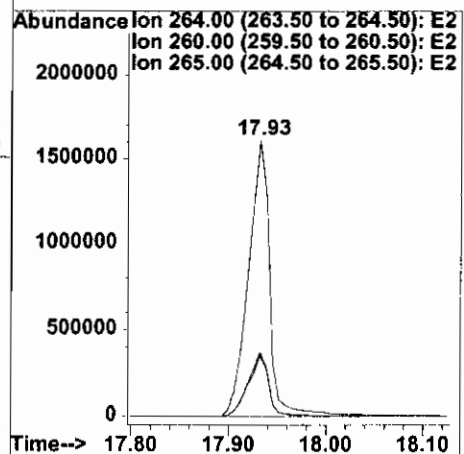
#70
Terphenyl-d14
Concen: 80.17 ug/mL
RT: 14.57 min Scan# 1780
Delta R.T. -0.00 min
Lab File: E23878.D
Acq: 12 Apr 2001 9:34 pm

Tgt Ion: 244 Resp: 5486503
Ion Ratio Lower Upper
244 100
243 23.1 0.0 0.0#
245 20.1 16.2 24.4
240 9.7 7.4 11.2



#77
Perylene-d12
Concen: 40.00 ug/mL
RT: 17.93 min Scan# 2289
Delta R.T. -0.03 min
Lab File: E23878.D
Acq: 12 Apr 2001 9:34 pm

Tgt Ion: 264 Resp: 2427742
Ion Ratio Lower Upper
264 100
260 22.7 18.1 27.1
265 21.0 17.6 26.4



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E23879.D
Acq On : 12 Apr 2001 10:04 pm
Sample : 01040168-05 \$8270W ASPB 900ML\1ML
Misc : QBSV2041201A
MS Integration Params: rteint.p
Quant Time: Aug 21 15:27 19101

Vial: 18
Operator: RB
Inst : BNA NO 2
Multiplr: 1.10

Quant Results File: BNA2-13.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Fri Apr 13 09:29:39 2001
Response via : Initial Calibration
DataAcq Meth : BNA2-12

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.25	152	1203609	40.00	ug/mL	0.00
21) Naphthalene-d8	7.78	136	4007209	40.00	ug/mL	-0.01
35) Acenaphthene-d10	10.15	164	2408423	40.00	ug/mL	-0.01
57) Phenanthrene-d10	12.23	188	3778370	40.00	ug/mL	-0.03
69) Chrysene-d12	16.03	240	2989536	40.00	ug/mL	-0.03
77) Perylene-d12	17.94	264	2703229	40.00	ug/mL	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	4.92	112	2549264	54.15	ug/mL	-0.01
Spiked Amount	200.000	Range	21 - 100	Recovery	=	27.08%
5) Phenol-d5	5.97	99	2262315	35.13	ug/mL	-0.03
Spiked Amount	200.000	Range	10 - 100	Recovery	=	17.57%
19) Nitrobenzene-d5	6.94	82	4413651	69.24	ug/mL	-0.01
Spiked Amount	100.000	Range	35 - 114	Recovery	=	69.24%
38) 2-Fluorobiphenyl	9.24	172	4188847	44.87	ug/mL	-0.02
Spiked Amount	100.000	Range	43 - 116	Recovery	=	44.87%
59) 2,4,6-Tribromophenol	11.29	330	2224711	148.79	ug/mL	-0.01
Spiked Amount	200.000	Range	10 - 123	Recovery	=	74.40%
70) Terphenyl-d14	14.56	244	5130192	67.20	ug/mL	0.00
Spiked Amount	100.000	Range	33 - 141	Recovery	=	67.20%

Target Compounds

Qvalue

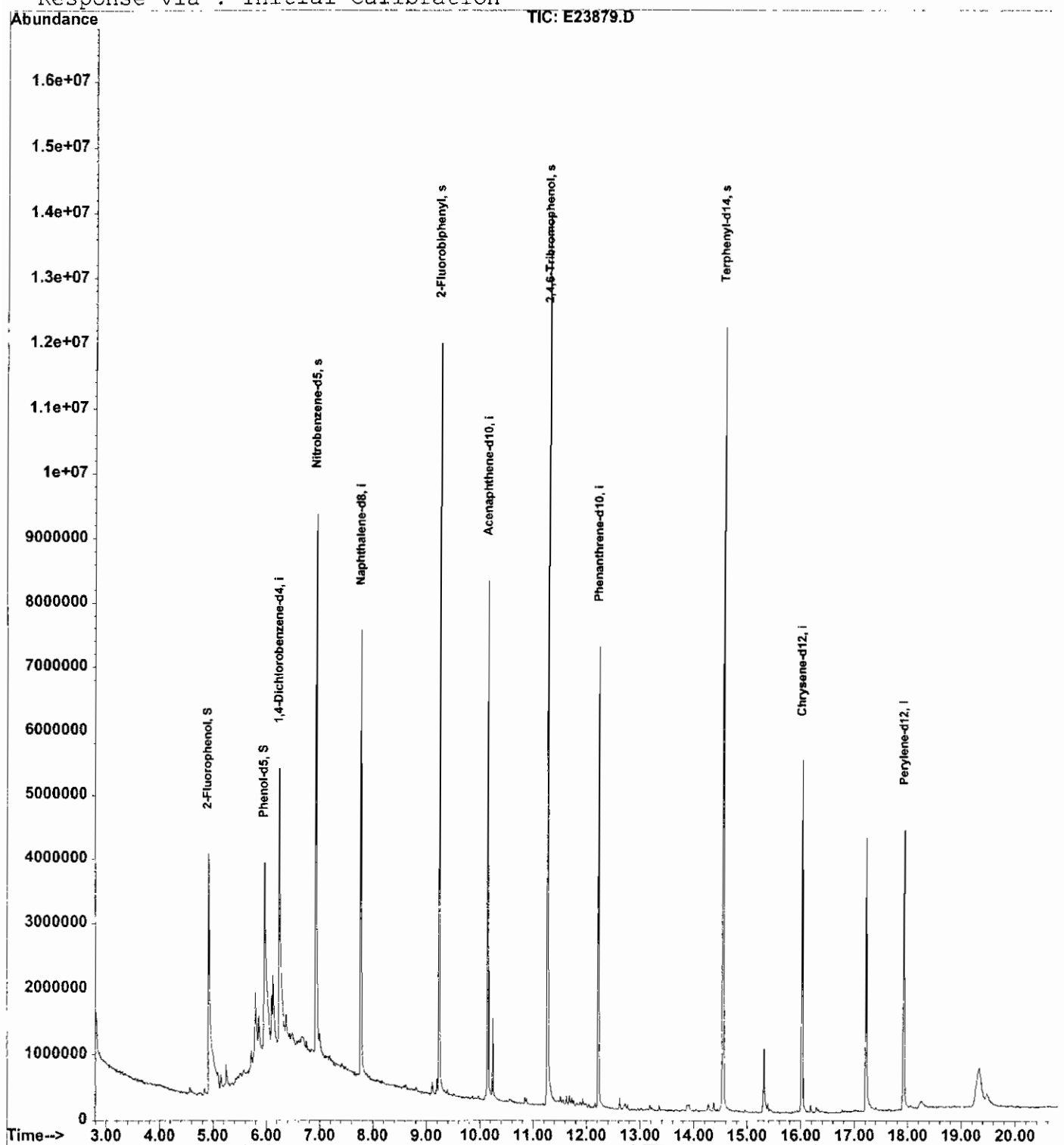
Quantitation Report

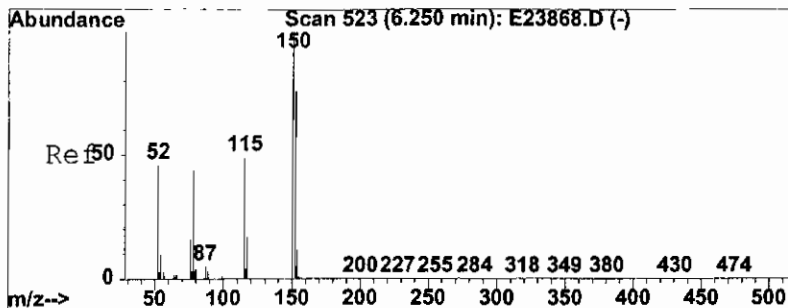
Data File : C:\HPCHEM\1\DATA\E23879.D
 Acq On : 12 Apr 2001 10:04 pm
 Sample : 01040168-05 \$8270W ASPB 900ML\1ML
 Misc : QBSV2041201A
 MS Integration Params: rteint.p
 Quant Time: Aug 21 15:27 19101

Vial: 18
 Operator: RB
 Inst : BNA NO 2
 Multiplr: 1.10

Quant Results File: BNA2-13.RES

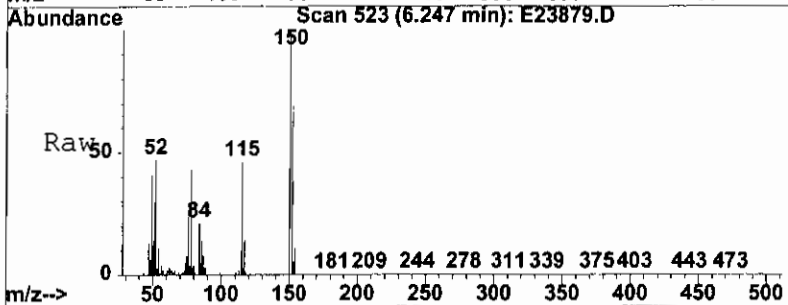
Method : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)
 Title : Semivolatiles by GC/MS - EPA Method 625/8270
 Last Update : Fri Apr 13 09:29:39 2001
 Response via : Initial Calibration



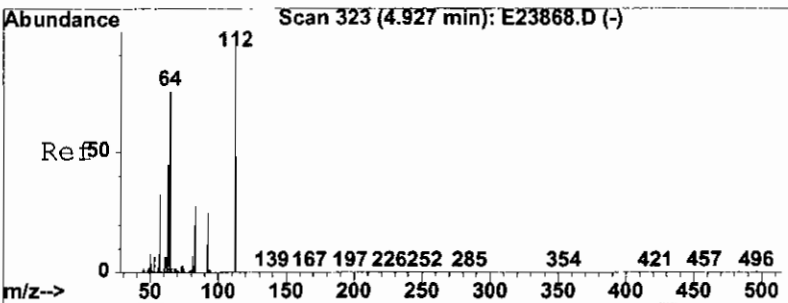
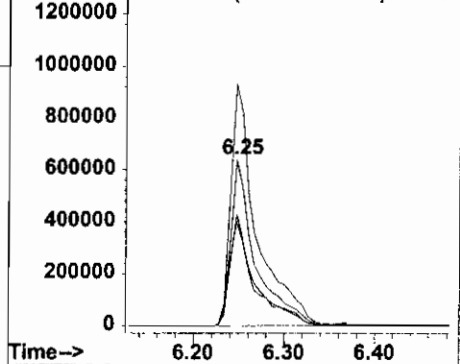
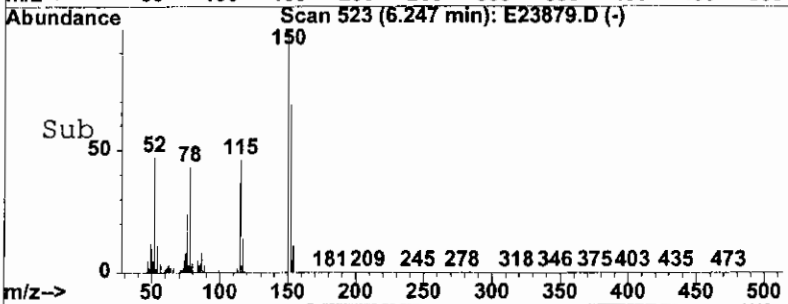


#1
 1,4-Dichlorobenzene-d4
 Concen: 40.00 ug/mL
 RT: 6.25 min Scan# 523
 Delta R.T. -0.01 min
 Lab File: E23879.D
 Acq: 12 Apr 2001 10:04 pm

Tgt Ion:152 Resp: 1203609
 Ion Ratio Lower Upper
 152 100
 150 154.4 169.4 254.2#
 115 68.3 70.3 105.5#
 78 63.7 76.0 114.0#

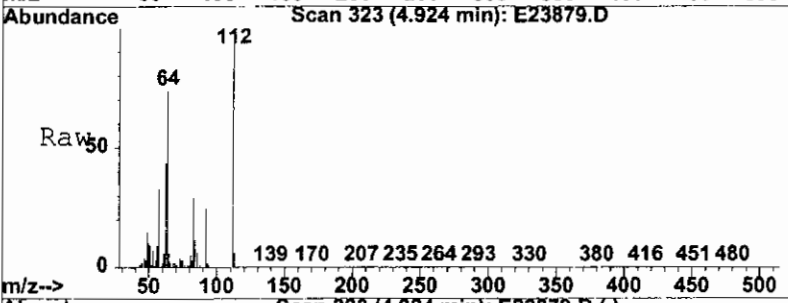


Abundance Ion 152.00 (151.50 to 152.50): E2
 1400000 Ion 150.00 (149.50 to 150.50): E2
 1200000 Ion 115.00 (114.50 to 115.50): E2
 1000000 Ion 78.00 (77.50 to 78.50): E238

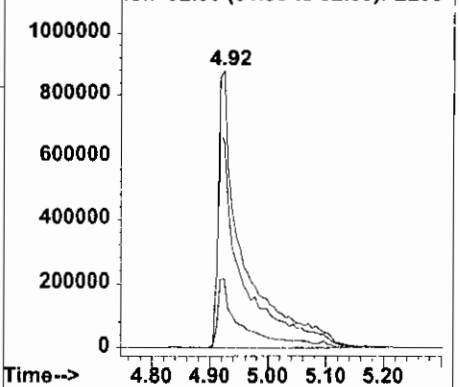
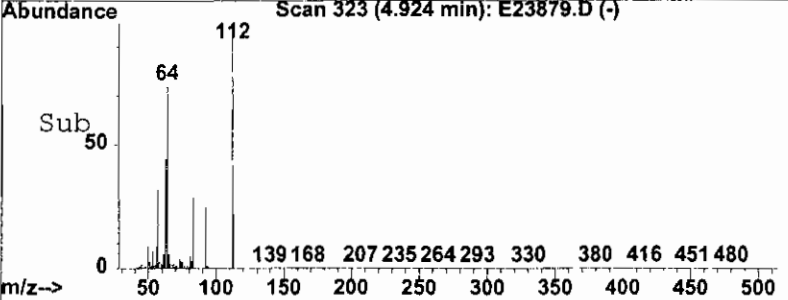


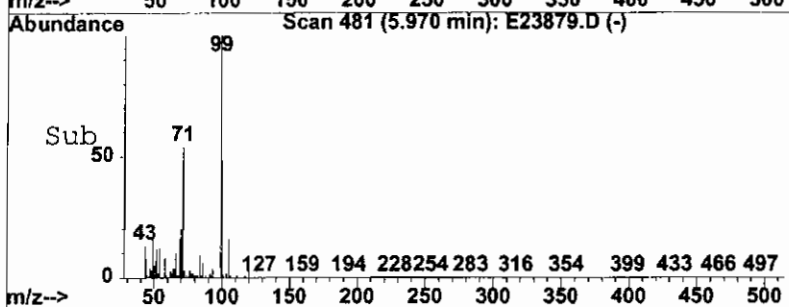
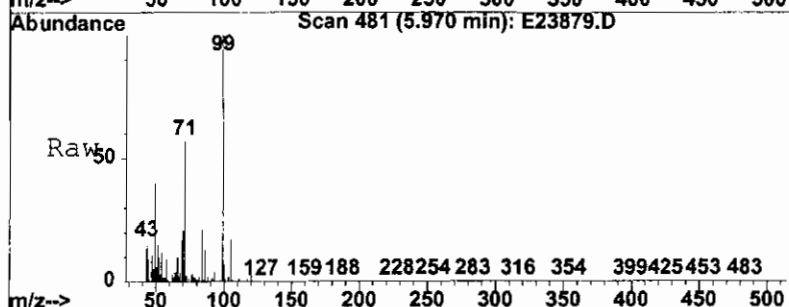
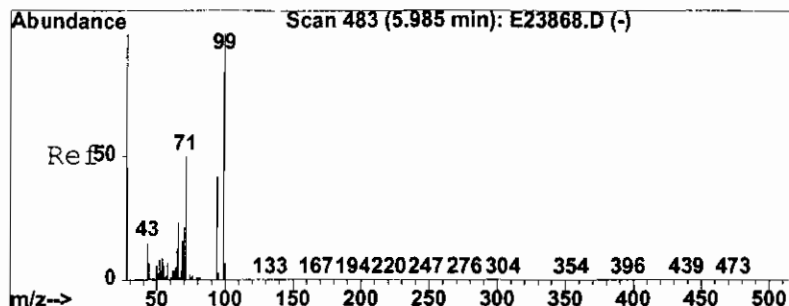
#4
 2-Fluorophenol
 Concen: 54.15 ug/mL
 RT: 4.92 min Scan# 323
 Delta R.T. -0.01 min
 Lab File: E23879.D
 Acq: 12 Apr 2001 10:04 pm

Tgt Ion:112 Resp: 2549264
 Ion Ratio Lower Upper
 112 100
 64 76.9 58.7 88.1
 92 21.3 18.2 27.2



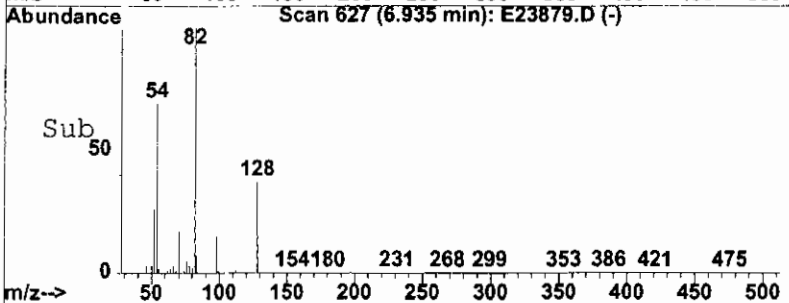
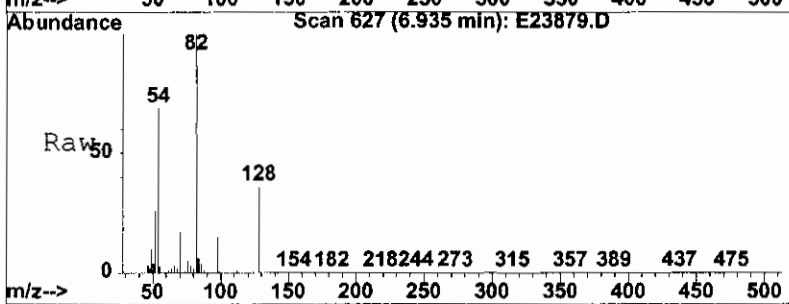
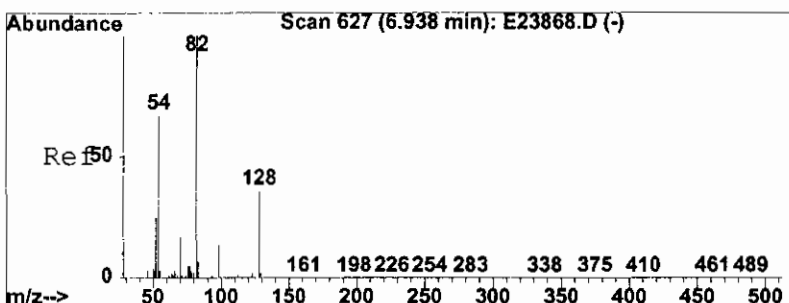
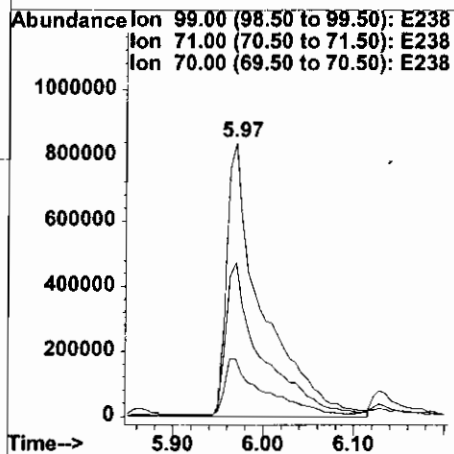
Abundance Ion 112.00 (111.50 to 112.50): E2
 1200000 Ion 64.00 (63.50 to 64.50): E238
 1000000 Ion 92.00 (91.50 to 92.50): E238





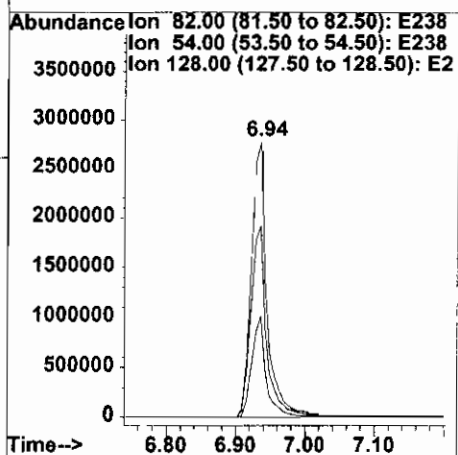
#5
Phenol-d5
Concen: 35.13 ug/mL
RT: 5.97 min Scan# 481
Delta R.T. -0.03 min
Lab File: E23879.D
Acq: 12 Apr 2001 10:04 pm

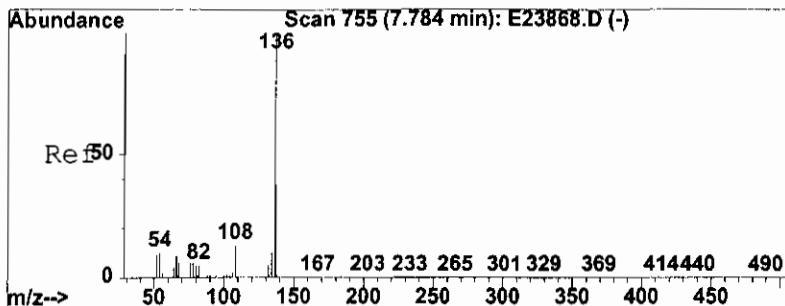
Tgt Ion: 99 Resp: 2262315
Ion Ratio Lower Upper
99 100
71 56.1 43.1 64.7
70 22.5 16.6 24.8



#19
Nitrobenzene-d5
Concen: 69.24 ug/mL
RT: 6.94 min Scan# 627
Delta R.T. -0.01 min
Lab File: E23879.D
Acq: 12 Apr 2001 10:04 pm

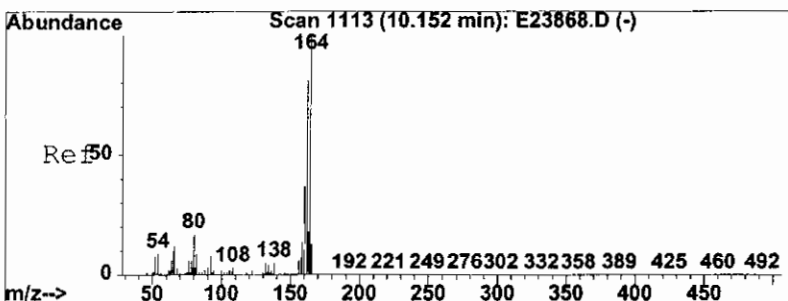
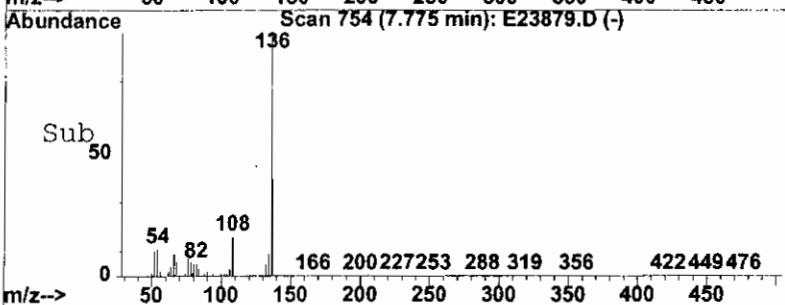
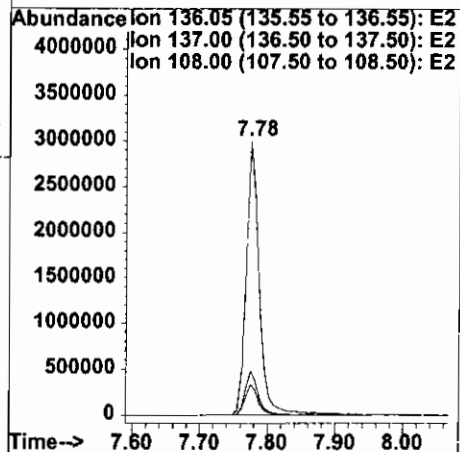
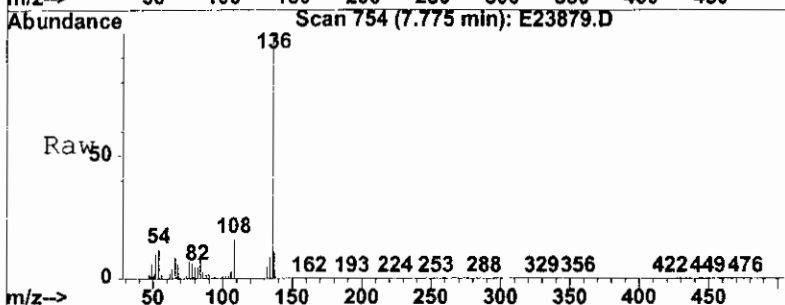
Tgt Ion: 82 Resp: 4413651
Ion Ratio Lower Upper
82 100
54 69.8 24.7 37.1#
128 33.4 1.8 2.6#





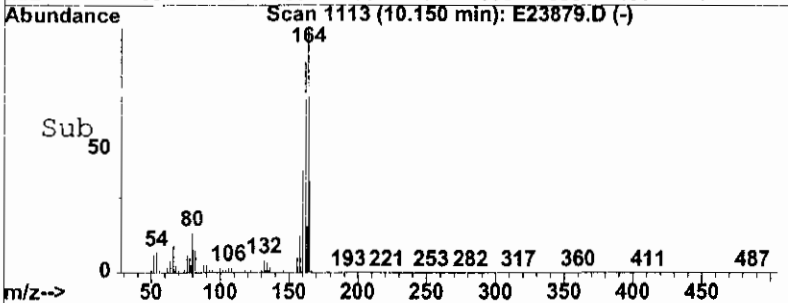
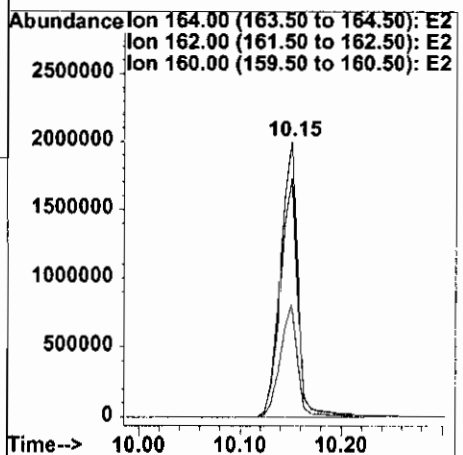
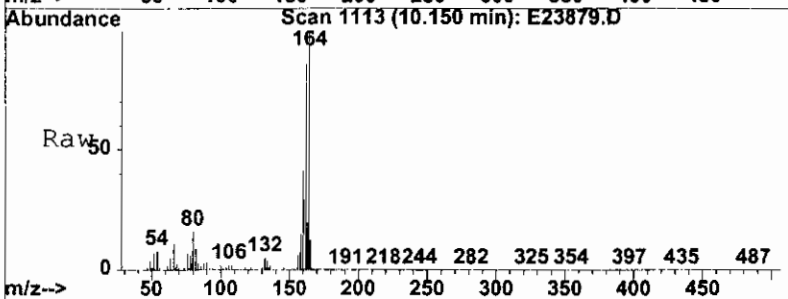
#21
Naphthalene-d8
Concen: 40.00 ug/mL
RT: 7.78 min Scan# 754
Delta R.T. -0.01 min
Lab File: E23879.D
Acq: 12 Apr 2001 10:04 pm

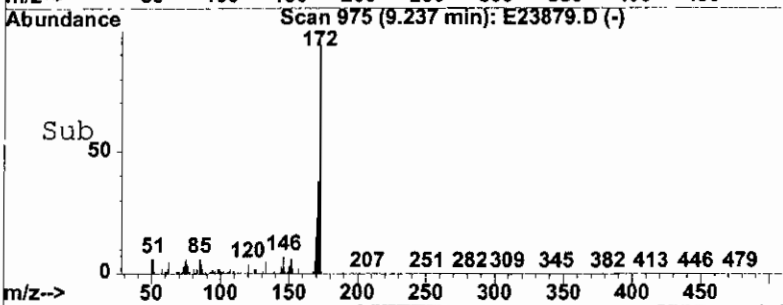
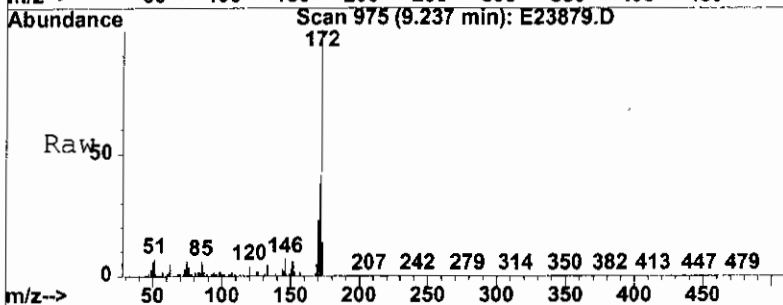
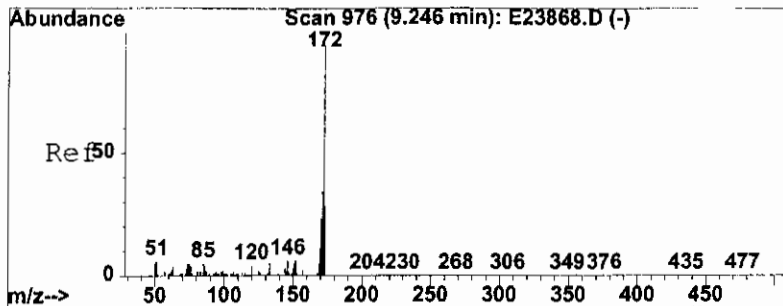
Tgt Ion:136 Resp: 4007209
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
108 15.8 12.8 19.2



#35
Acenaphthene-d10
Concen: 40.00 ug/mL
RT: 10.15 min Scan# 1113
Delta R.T. -0.01 min
Lab File: E23879.D
Acq: 12 Apr 2001 10:04 pm

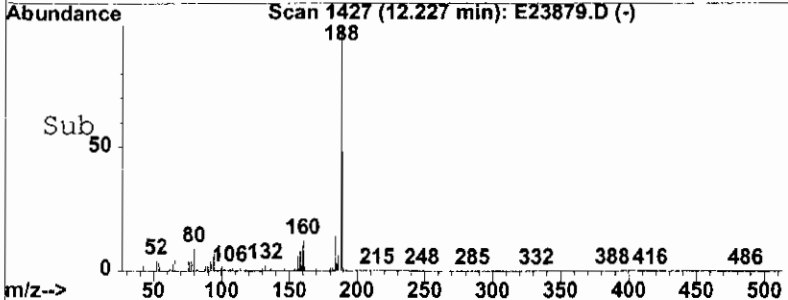
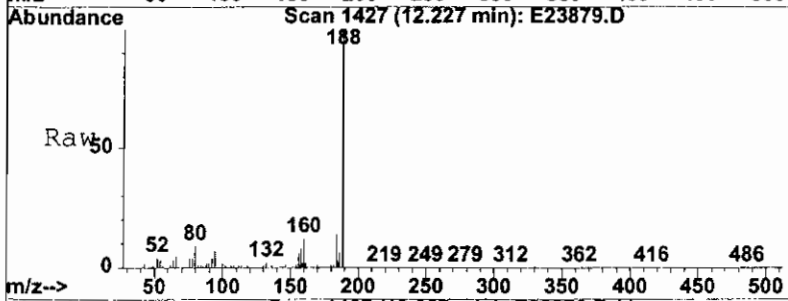
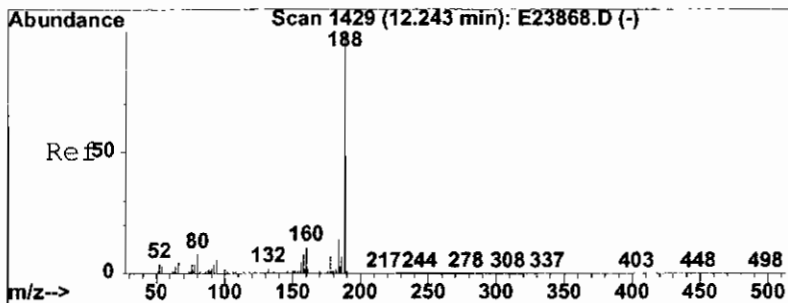
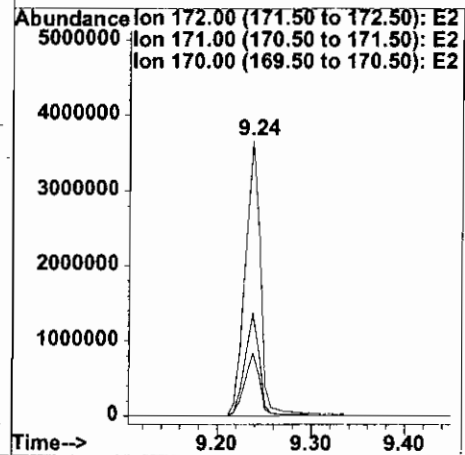
Tgt Ion:164 Resp: 2408423
Ion Ratio Lower Upper
164 100
162 86.2 69.4 104.2
160 40.5 31.8 47.6





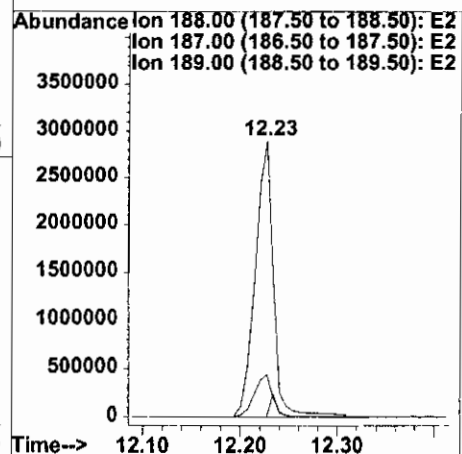
#38
2-Fluorobiphenyl
Concen: 44.87 ug/mL
RT: 9.24 min Scan# 975
Delta R.T. -0.02 min
Lab File: E23879.D
Acq: 12 Apr 2001 10:04 pm

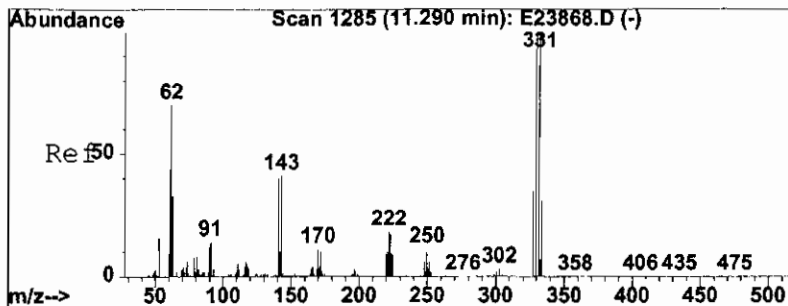
Tgt Ion: 172 Resp: 4188847
Ion Ratio Lower Upper
172 100
171 36.4 30.5 45.7
170 21.8 19.3 28.9



#57
Phenanthrene-d10
Concen: 40.00 ug/mL
RT: 12.23 min Scan# 1427
Delta R.T. -0.03 min
Lab File: E23879.D
Acq: 12 Apr 2001 10:04 pm

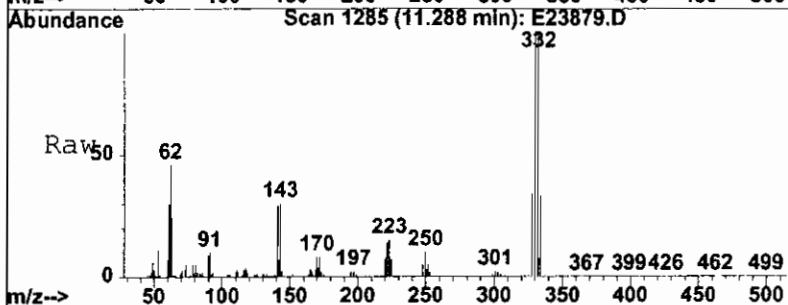
Tgt Ion: 188 Resp: 3778370
Ion Ratio Lower Upper
188 100
187 3.3 1.4 2.2#
189 14.9 12.5 18.7





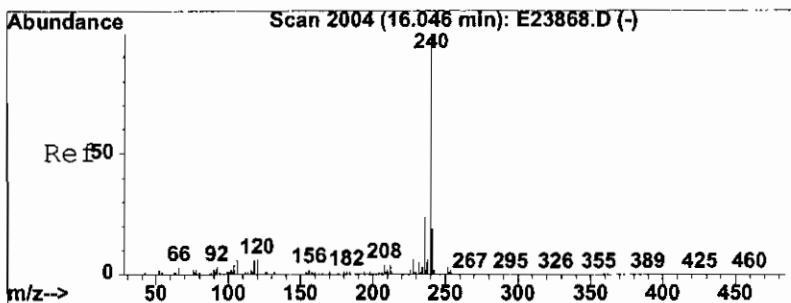
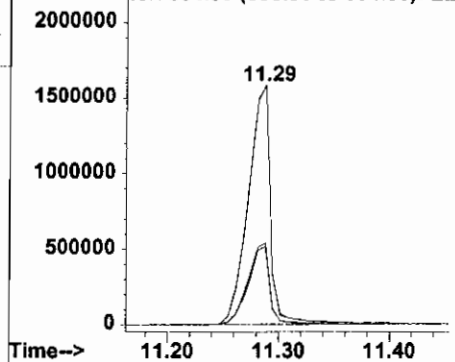
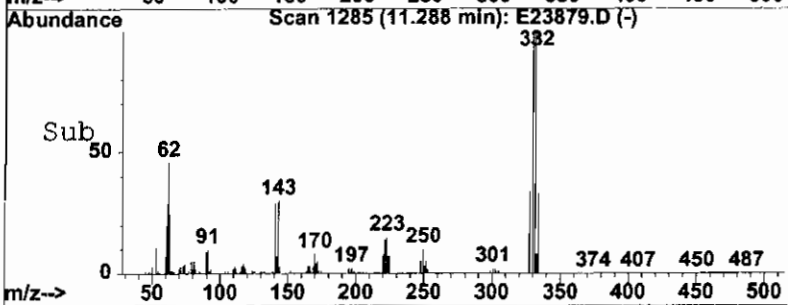
#59
 2,4,6-Tribromophenol
 Concen: 148.79 ug/mL
 RT: 11.29 min Scan# 1285
 Delta R.T. -0.01 min
 Lab File: E23879.D
 Acq: 12 Apr 2001 10:04 pm

Tgt Ion: 330 Resp: 2224711
 Ion Ratio Lower Upper
 330 100
 332 99.0 76.1 114.1
 328 34.4 25.8 38.6
 334 31.9 23.0 34.6



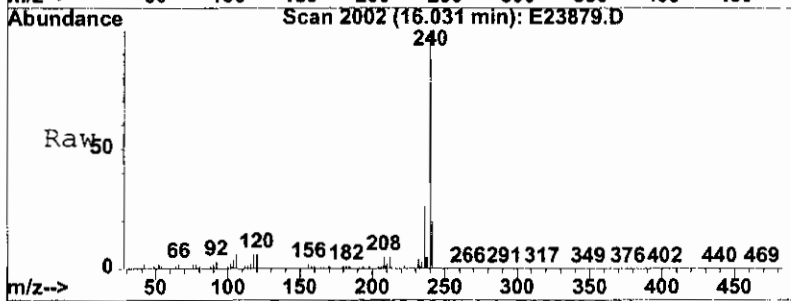
Abundance

Ion 330.00 (329.50 to 330.50): E2
 Ion 332.00 (331.50 to 332.50): E2
 Ion 328.00 (327.50 to 328.50): E2
 Ion 334.00 (333.50 to 334.50): E2



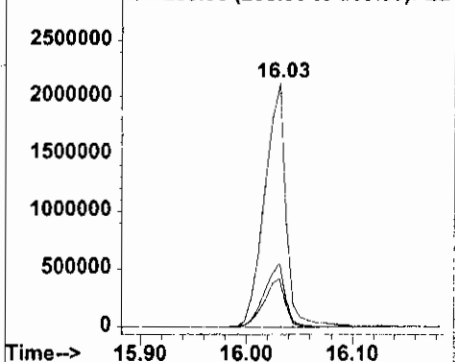
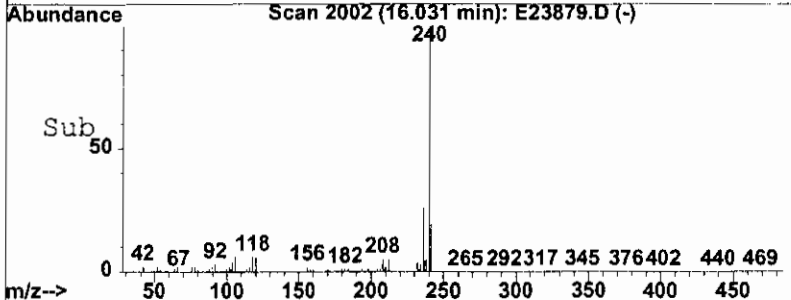
#69
 Chrysene-d12
 Concen: 40.00 ug/mL
 RT: 16.03 min Scan# 2002
 Delta R.T. -0.03 min
 Lab File: E23879.D
 Acq: 12 Apr 2001 10:04 pm

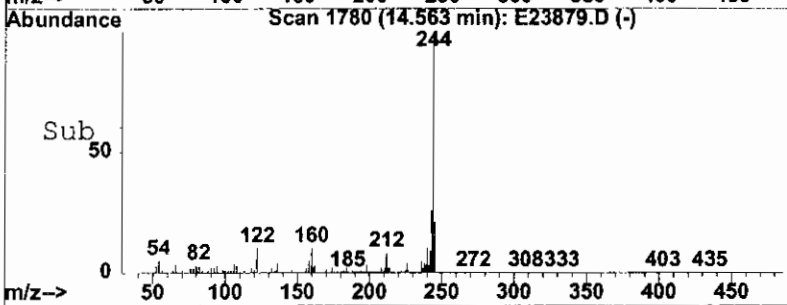
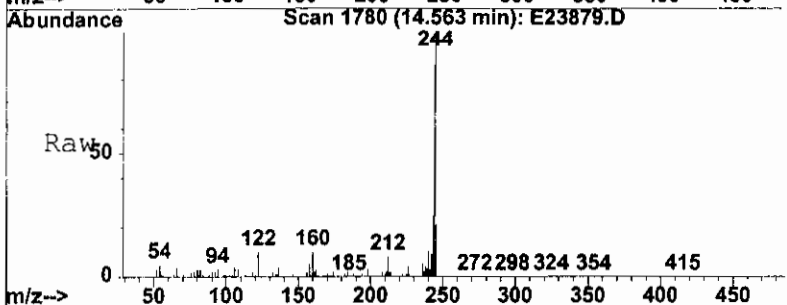
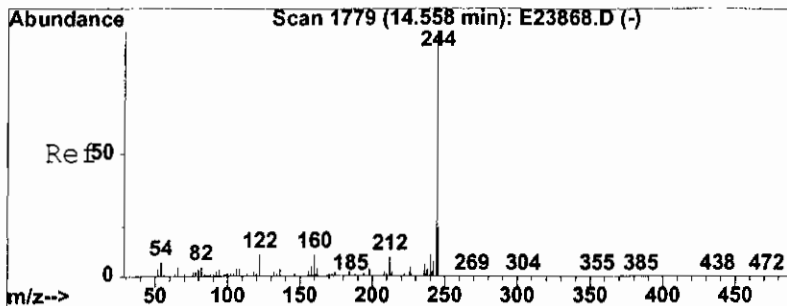
Tgt Ion: 240 Resp: 2989536
 Ion Ratio Lower Upper
 240 100
 236 26.0 20.1 30.1
 241 20.0 15.4 23.0
 239 0.1 0.0 0.0#



Abundance

Ion 240.00 (239.50 to 240.50): E2
 Ion 236.00 (235.50 to 236.50): E2
 Ion 241.00 (240.50 to 241.50): E2
 Ion 239.00 (238.50 to 239.50): E2





#70

Terphenyl-d14

Concen: 67.20 ug/mL

RT: 14.56 min Scan# 1780

Delta R.T. -0.00 min

Lab File: E23879.D

Acq: 12 Apr 2001 10:04 pm

Tgt Ion: 244 Resp: 5130192

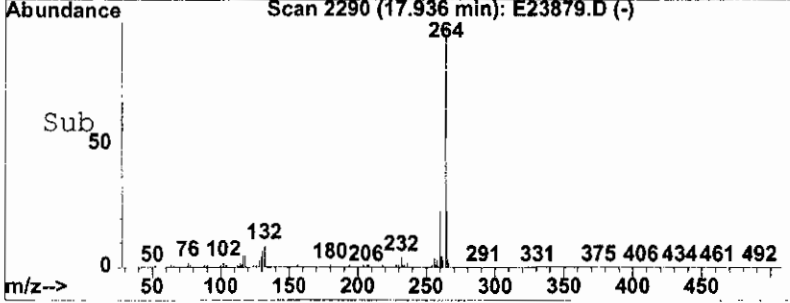
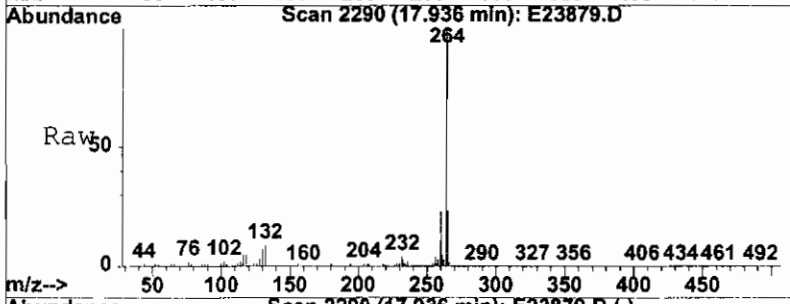
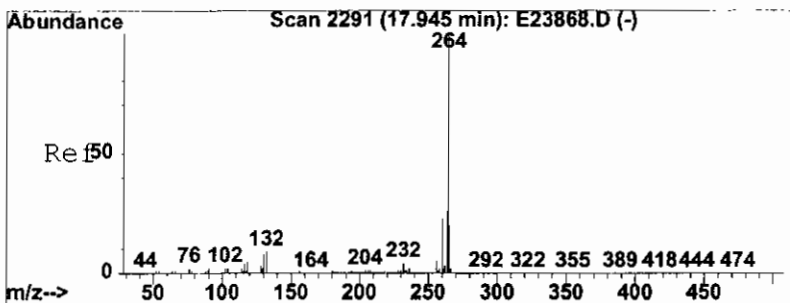
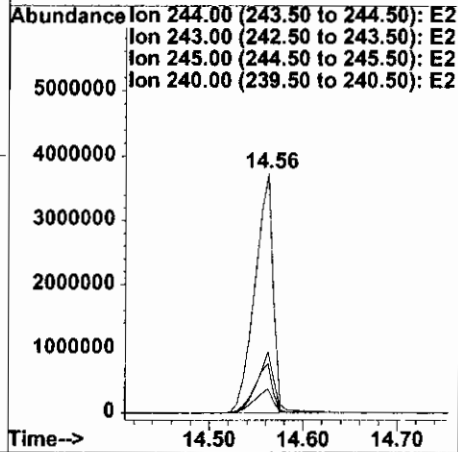
Ion Ratio Lower Upper

244 100

243 22.8 0.0 0.0#

245 20.1 16.2 24.4

240 9.9 7.4 11.2



#77

Perylene-d12

Concen: 40.00 ug/mL

RT: 17.94 min Scan# 2290

Delta R.T. -0.02 min

Lab File: E23879.D

Acq: 12 Apr 2001 10:04 pm

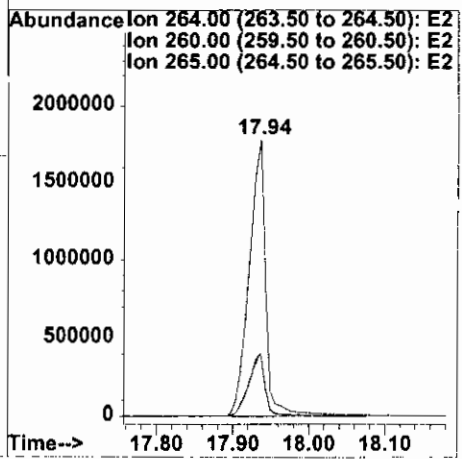
Tgt Ion: 264 Resp: 2703229

Ion Ratio Lower Upper

264 100

260 22.5 18.1 27.1

265 21.8 17.6 26.4



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E23880.D
Acq On : 12 Apr 2001 10:34 pm
Sample : 01040168-06 \$8270W ASPB 1L\1ML
Misc : QBSV2041201A
MS Integration Params: rteint.p
Quant Time: Aug 21 15:27 19101

Vial: 19
Operator: RB
Inst : BNA NO 2
Multiplr: 1.00

Quant Results File: BNA2-13.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Fri Apr 13 09:29:39 2001
Response via : Initial Calibration
DataAcq Meth : BNA2-12

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.25	152	1366032	40.00	ug/mL	0.00
21) Naphthalene-d8	7.78	136	4316823	40.00	ug/mL	-0.01
35) Acenaphthene-d10	10.15	164	2761105	40.00	ug/mL	-0.01
57) Phenanthrene-d10	12.23	188	4733273	40.00	ug/mL	-0.03
69) Chrysene-d12	16.03	240	3828648	40.00	ug/mL	-0.03
77) Perylene-d12	17.94	264	3457218	40.00	ug/mL	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	4.92	112	3152756	53.64	ug/mL	-0.02
Spiked Amount 200.000	Range 21 - 100		Recovery =	26.82%		
5) Phenol-d5	5.97	99	3061473	38.08	ug/mL	-0.03
Spiked Amount 200.000	Range 10 - 100		Recovery =	19.04%		
19) Nitrobenzene-d5	6.94	82	5284248	66.40	ug/mL	-0.01
Spiked Amount 100.000	Range 35 - 114		Recovery =	66.40%		
38) 2-Fluorobiphenyl	9.24	172	5104527	43.36	ug/mL	-0.02
Spiked Amount 100.000	Range 43 - 116		Recovery =	43.36%		
59) 2,4,6-Tribromophenol	11.29	330	2557708	124.13	ug/mL	-0.01
Spiked Amount 200.000	Range 10 - 123		Recovery =	62.06%		
70) Terphenyl-d14	14.56	244	6161996	57.30	ug/mL	0.00
Spiked Amount 100.000	Range 33 - 141		Recovery =	57.30%		
Target Compounds						
3) Pyridine	3.00	79	228064	3.53	ug/mL	Qvalue 98

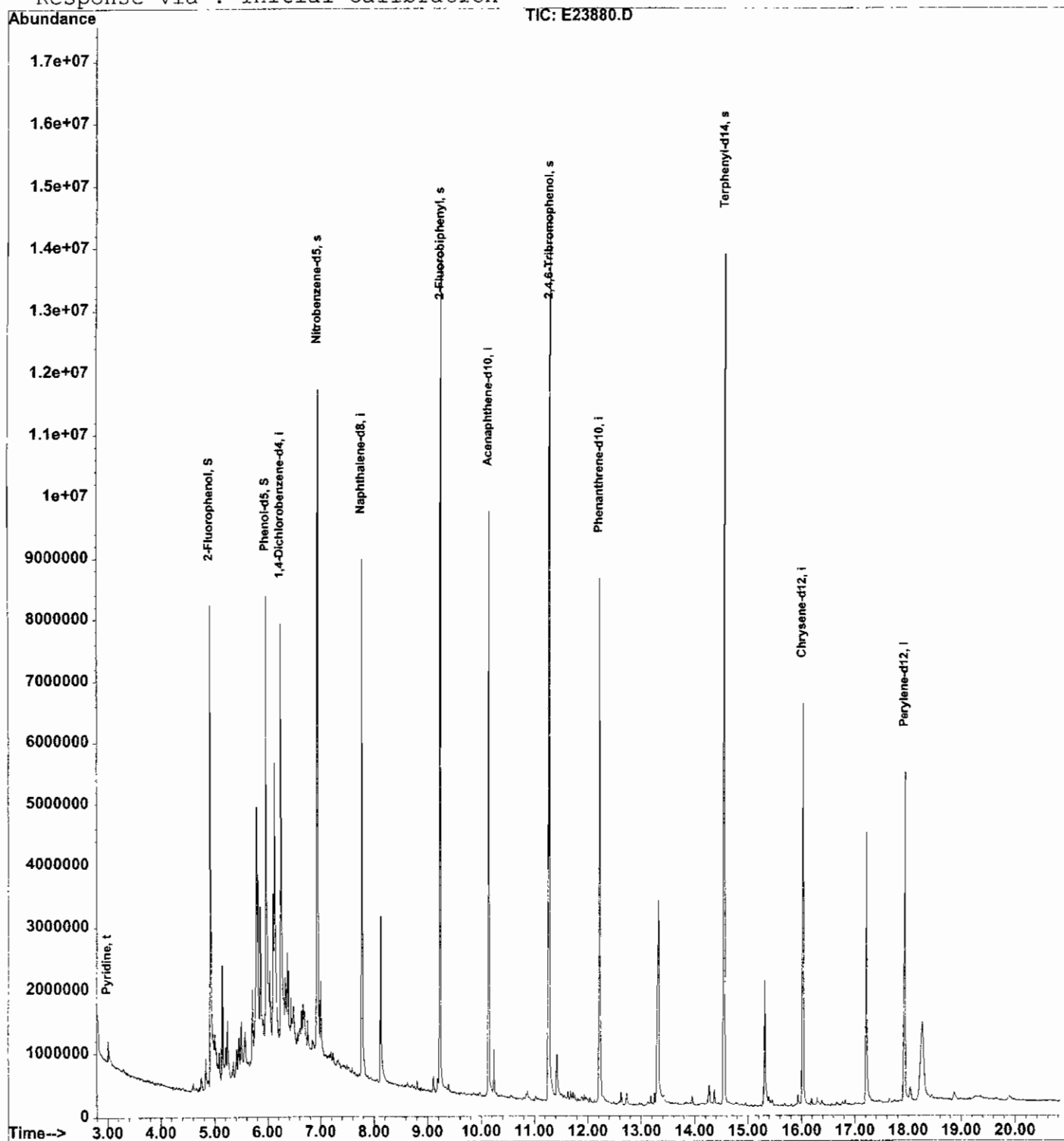
Quantitation Report

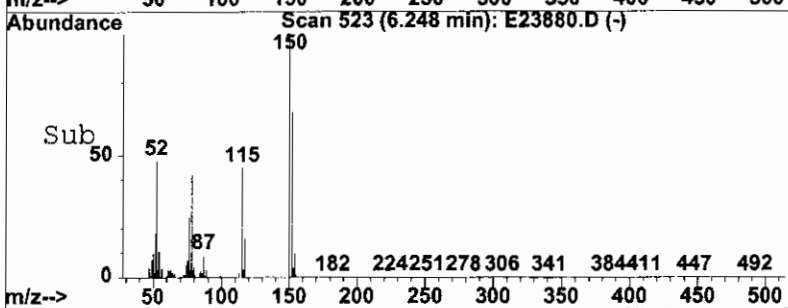
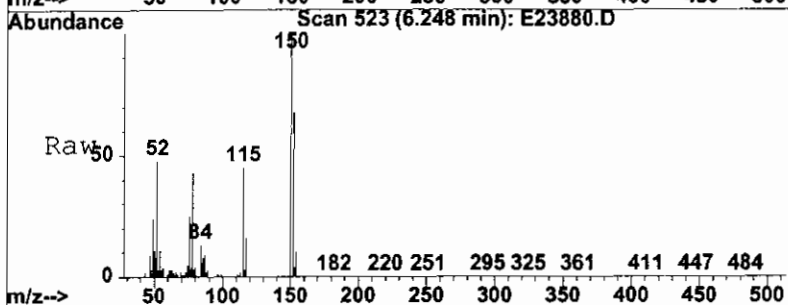
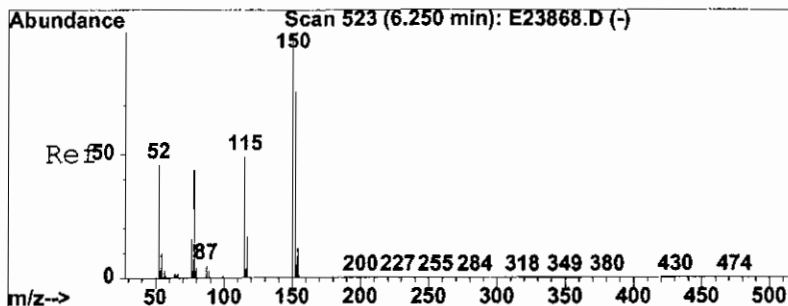
Data File : C:\HPCHEM\1\DATA\E23880.D
 Acq On : 12 Apr 2001 10:34 pm
 Sample : 01040168-06 \$8270W ASPB 1L\1ML
 Misc : QBSV2041201A
 MS Integration Params: rteint.p
 Quant Time: Aug 21 15:27 19101

Vial: 19
 Operator: RB
 Inst : BNA NO 2
 Multiplr: 1.00

Quant Results File: BNA2-13.RES

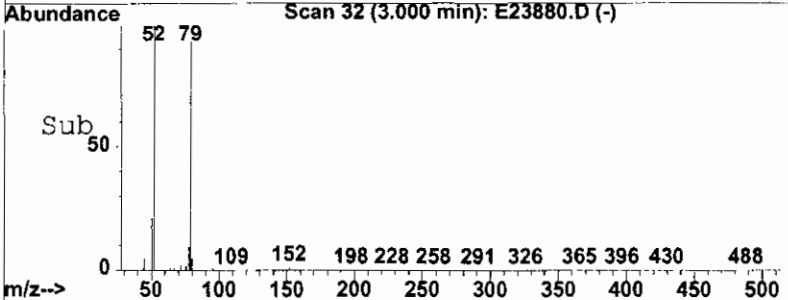
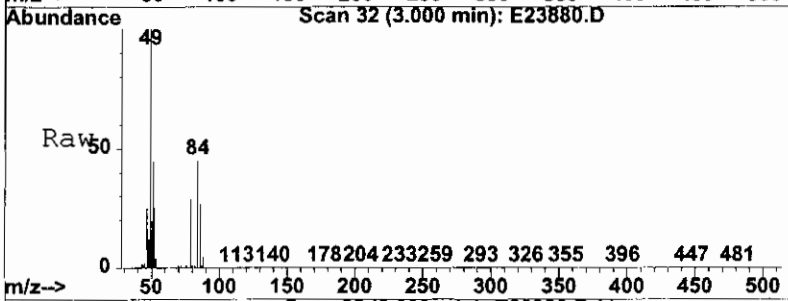
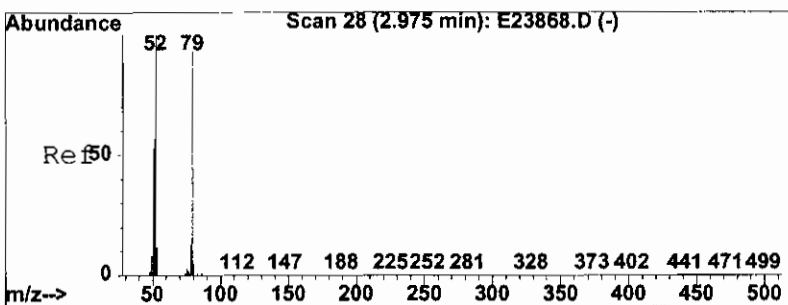
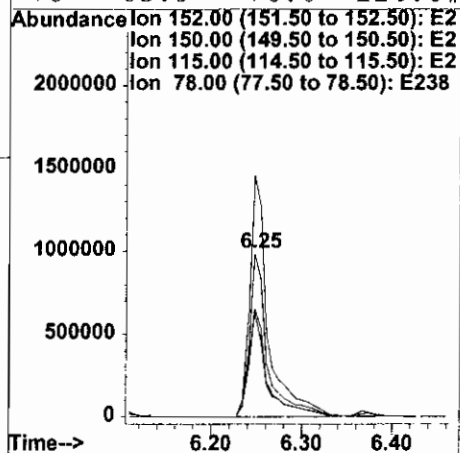
Method : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)
 Title : Semivolatiles by GC/MS - EPA Method 625/8270
 Last Update : Fri Apr 13 09:29:39 2001
 Response via : Initial Calibration





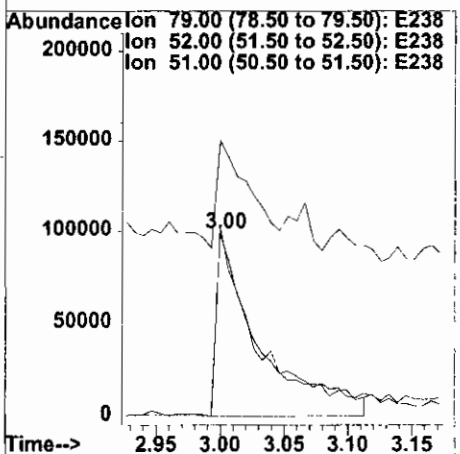
#1
1,4-Dichlorobenzene-d4
Concen: 40.00 ug/mL
RT: 6.25 min Scan# 523
Delta R.T. -0.01 min
Lab File: E23880.D
Acq: 12 Apr 2001 10:34 pm

Tgt Ion: 152 Resp: 1366032
Ion Ratio Lower Upper
152 100
150 153.3 169.4 254.2#
115 68.9 70.3 105.5#
78 63.9 76.0 114.0#

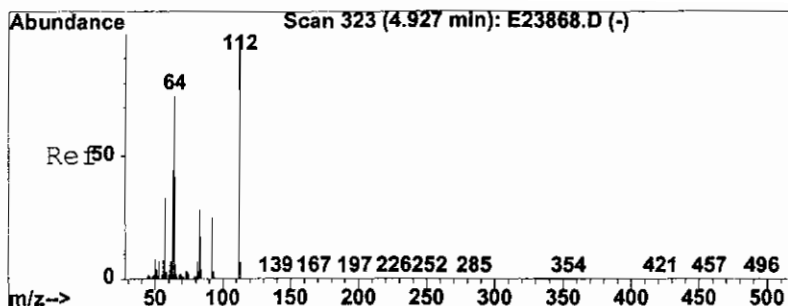


#3
Pyridine
Concen: 3.53 ug/mL
RT: 3.00 min Scan# 32
Delta R.T. 0.02 min
Lab File: E23880.D
Acq: 12 Apr 2001 10:34 pm

Tgt Ion: 79 Resp: 228064
Ion Ratio Lower Upper
79 100
52 97.4 77.8 116.6
51 41.2 35.4 53.2

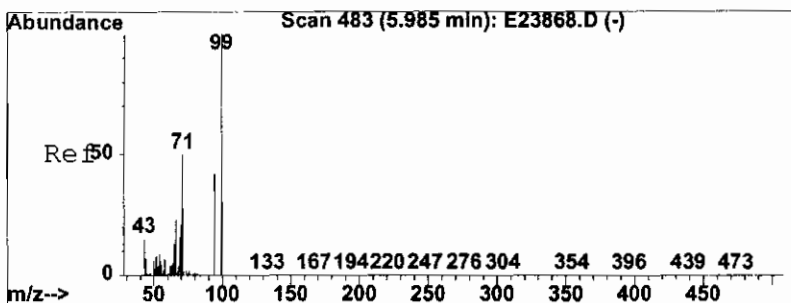
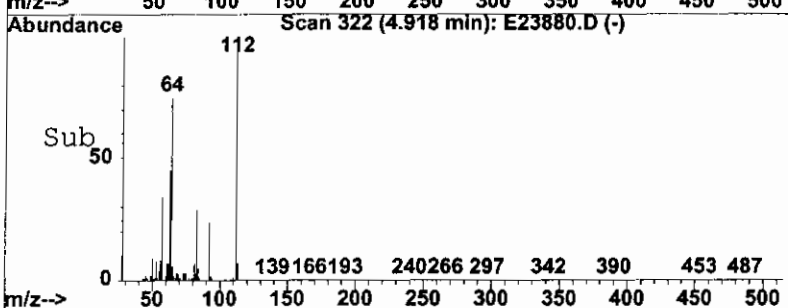
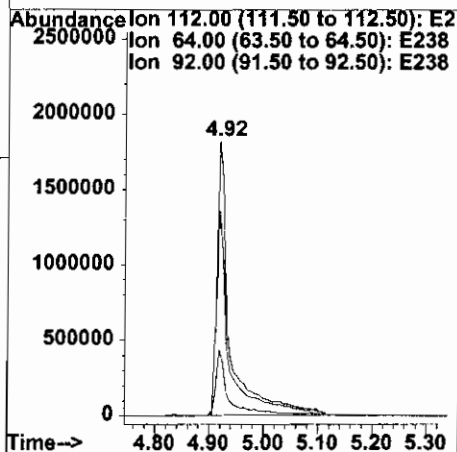
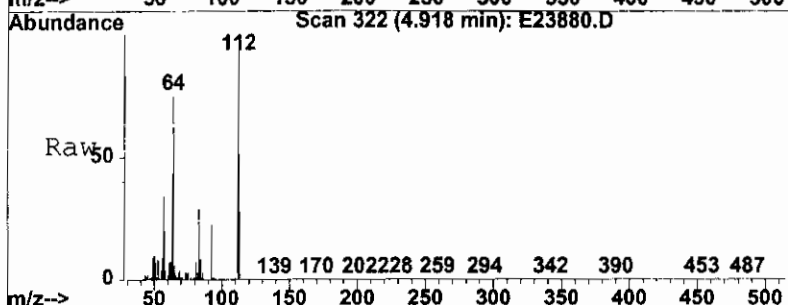


C00431



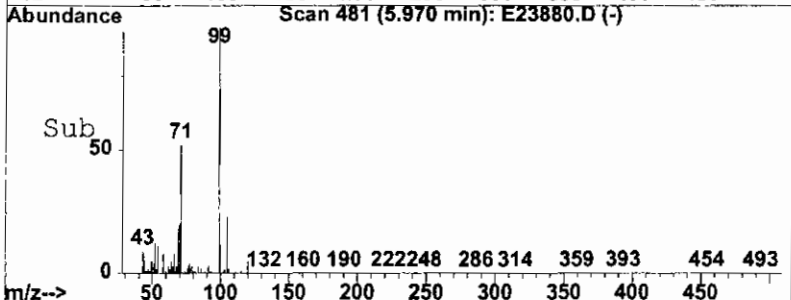
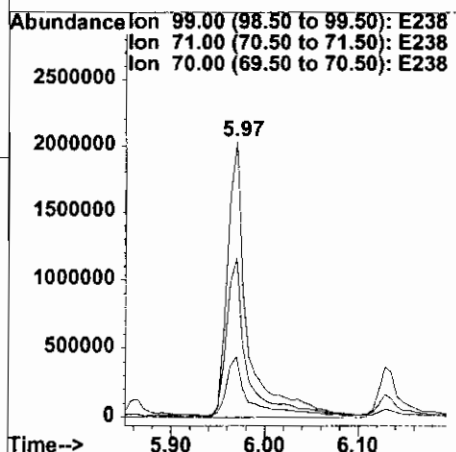
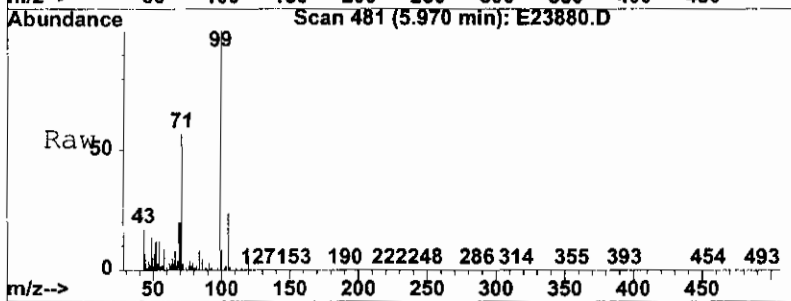
#4
2-Fluorophenol
Concen: 53.64 ug/mL
RT: 4.92 min Scan# 322
Delta R.T. -0.02 min
Lab File: E23880.D
Acq: 12 Apr 2001 10:34 pm

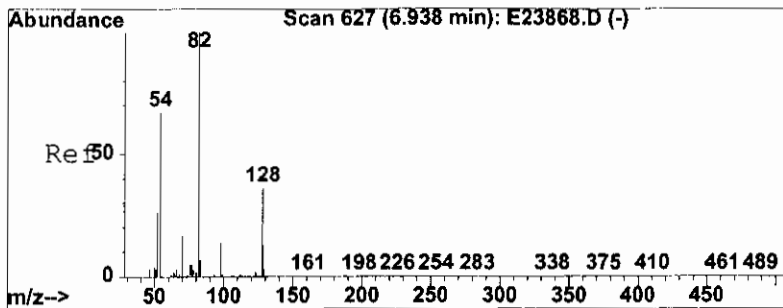
Tgt Ion: 112 Resp: 3152756
Ion Ratio Lower Upper
112 100
64 77.6 58.7 88.1
92 23.0 18.2 27.2



#5
Phenol-d5
Concen: 38.08 ug/mL
RT: 5.97 min Scan# 481
Delta R.T. -0.03 min
Lab File: E23880.D
Acq: 12 Apr 2001 10:34 pm

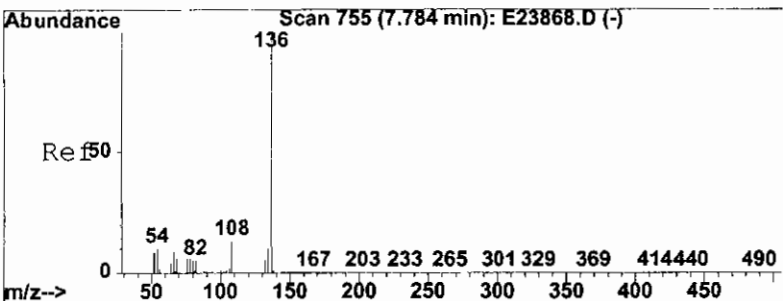
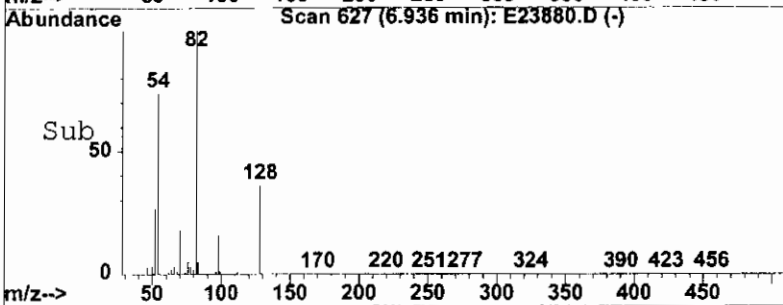
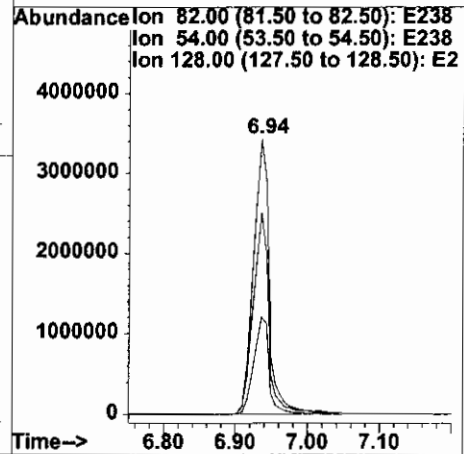
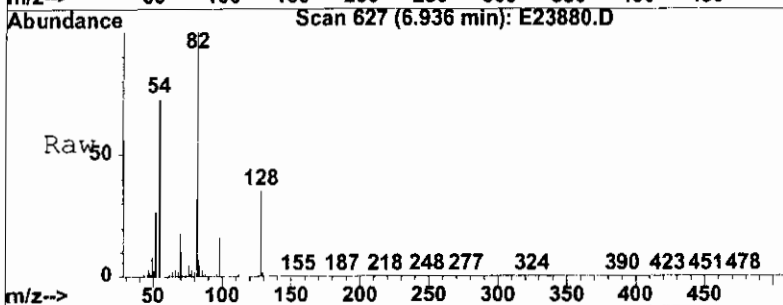
Tgt Ion: 99 Resp: 3061473
Ion Ratio Lower Upper
99 100
71 57.2 43.1 64.7
70 23.3 16.6 24.8





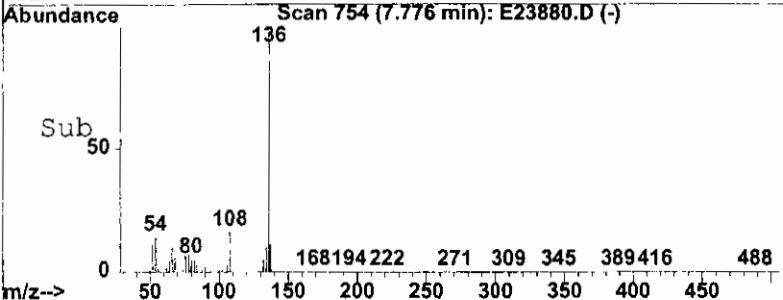
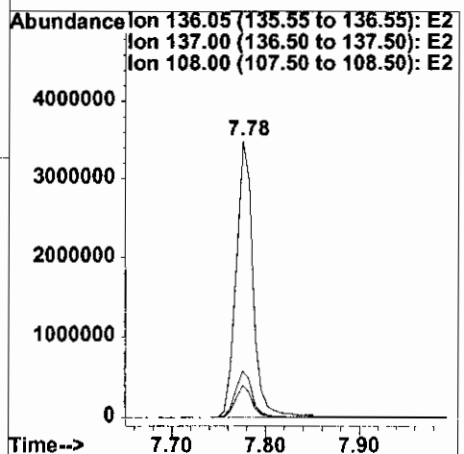
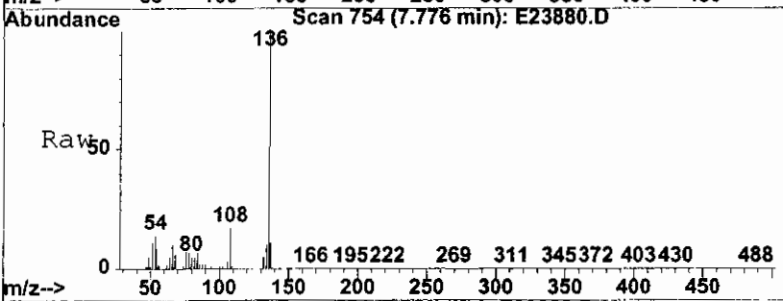
#19
Nitrobenzene-d5
Concen: 66.40 ug/mL
RT: 6.94 min Scan# 627
Delta R.T. -0.01 min
Lab File: E23880.D
Acq: 12 Apr 2001 10:34 pm

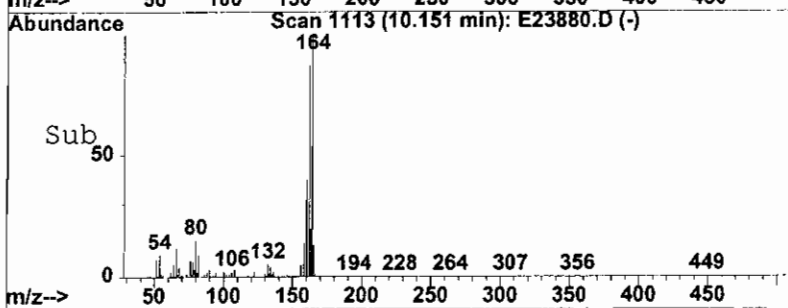
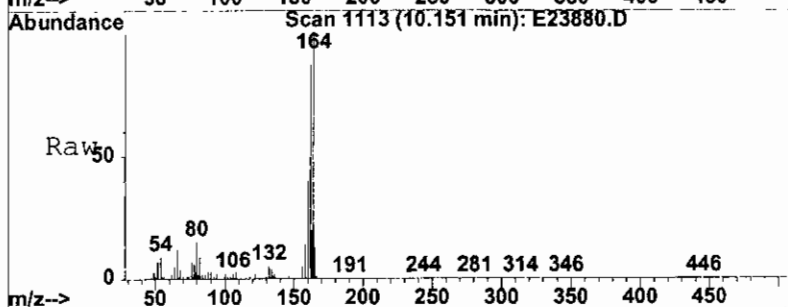
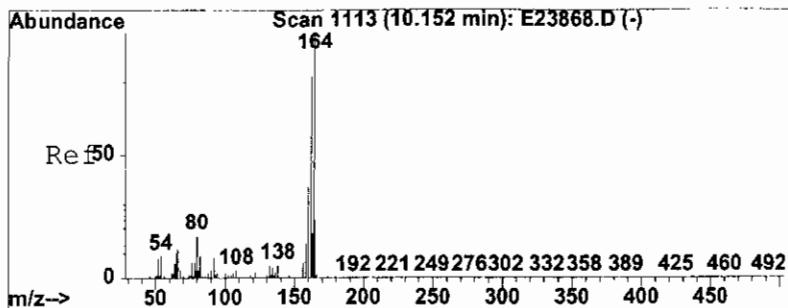
Tgt Ion: 82 Resp: 5284248
Ion Ratio Lower Upper
82 100
54 71.8 24.7 37.1#
128 34.2 1.8 2.6#



#21
Naphthalene-d8
Concen: 40.00 ug/mL
RT: 7.78 min Scan# 754
Delta R.T. -0.01 min
Lab File: E23880.D
Acq: 12 Apr 2001 10:34 pm

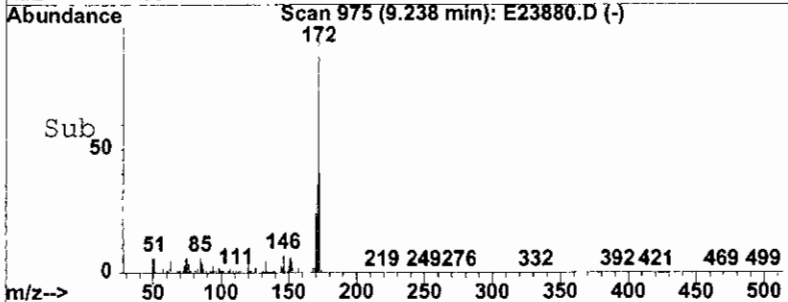
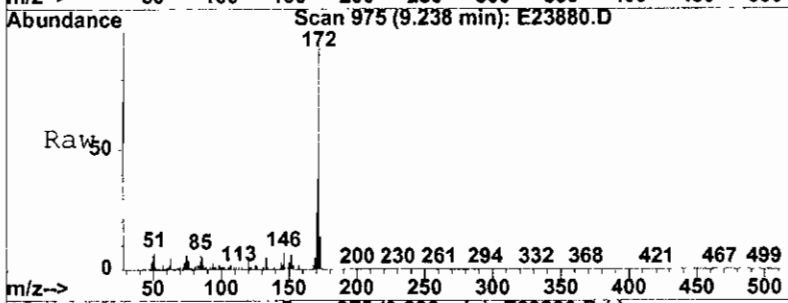
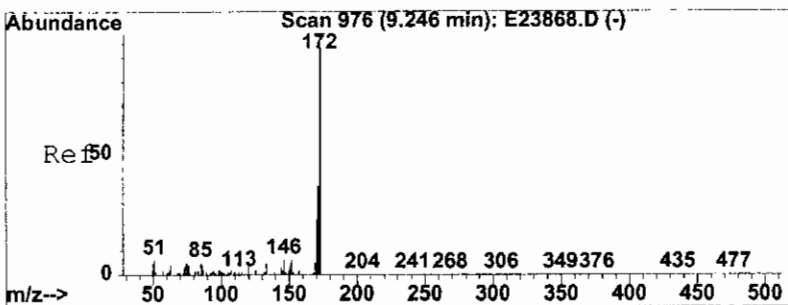
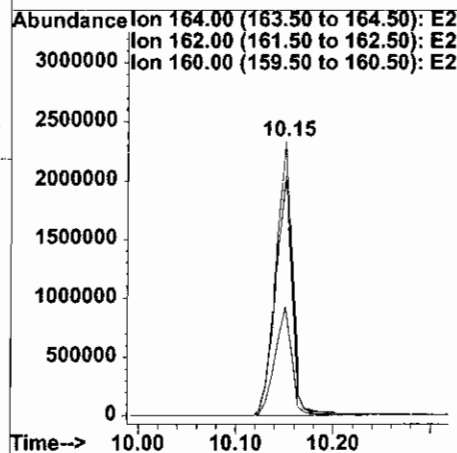
Tgt Ion: 136 Resp: 4316823
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
108 16.8 12.8 19.2





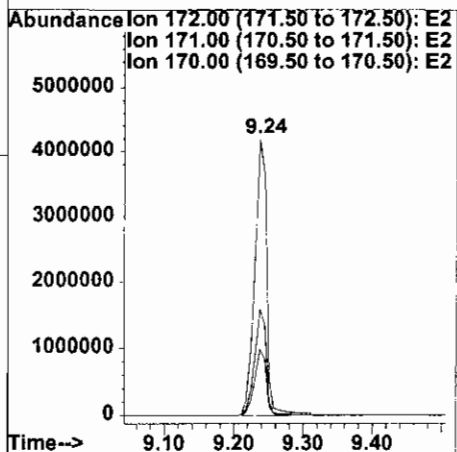
#35
Acenaphthene-d10
Concen: 40.00 ug/mL
RT: 10.15 min Scan# 1113
Delta R.T. -0.01 min
Lab File: E23880.D
Acq: 12 Apr 2001 10:34 pm

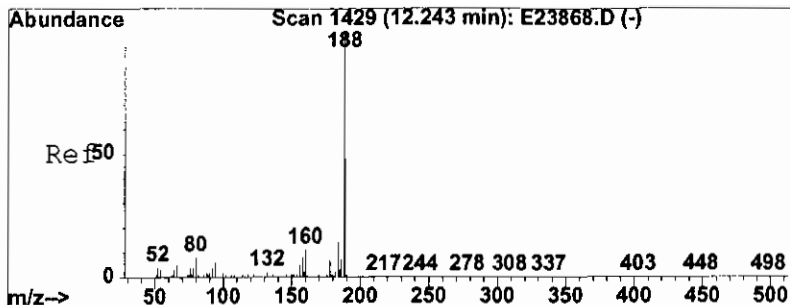
Tgt Ion:164 Resp: 2761105
Ion Ratio Lower Upper
164 100
162 86.7 69.4 104.2
160 40.5 31.8 47.6



#38
2-Fluorobiphenyl
Concen: 43.36 ug/mL
RT: 9.24 min Scan# 975
Delta R.T. -0.02 min
Lab File: E23880.D
Acq: 12 Apr 2001 10:34 pm

Tgt Ion:172 Resp: 5104527
Ion Ratio Lower Upper
172 100
171 37.0 30.5 45.7
170 23.0 19.3 28.9

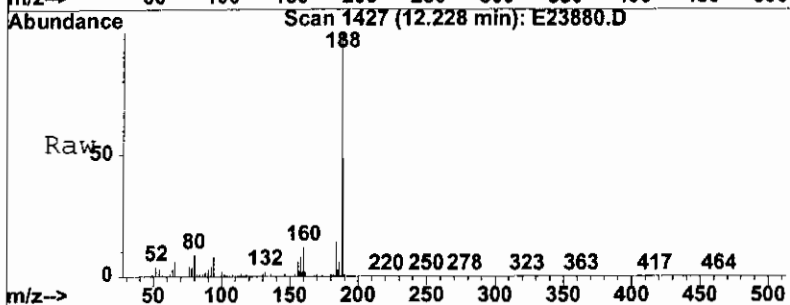




#57
Phenanthrene-d10
Concen: 40.00 ug/mL
RT: 12.23 min Scan# 1427
Delta R.T. -0.03 min
Lab File: E23880.D
Acq: 12 Apr 2001 10:34 pm

Tgt Ion: 188 Resp: 4733273

Ion	Ratio	Lower	Upper
188	100		
187	1.3	1.4	2.2#
189	15.0	12.5	18.7

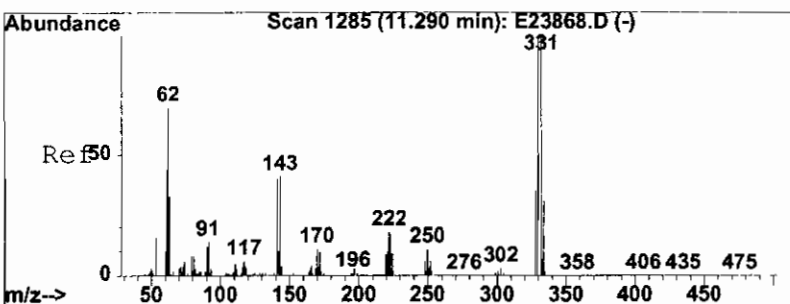
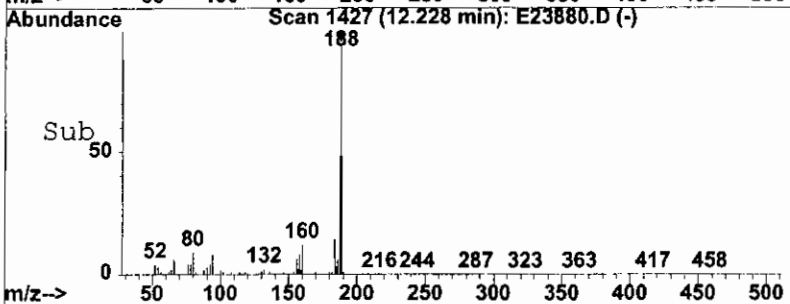
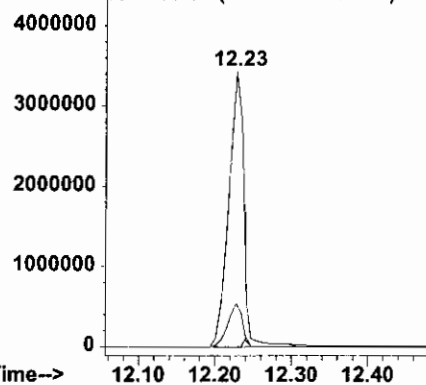


Abundance

Ion 188.00 (187.50 to 188.50): E2

Ion 187.00 (186.50 to 187.50): E2

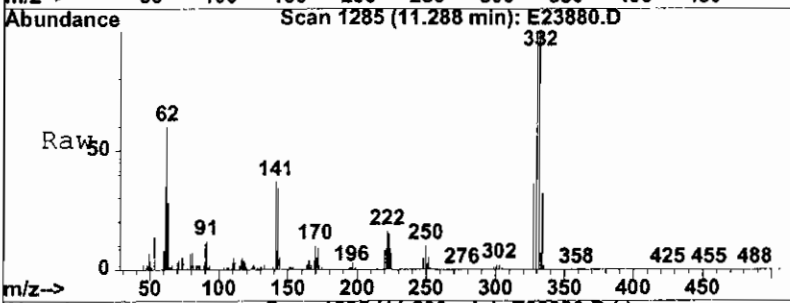
Ion 189.00 (188.50 to 189.50): E2



#59
2,4,6-Tribromophenol
Concen: 124.13 ug/mL
RT: 11.29 min Scan# 1285
Delta R.T. -0.01 min
Lab File: E23880.D
Acq: 12 Apr 2001 10:34 pm

Tgt Ion: 330 Resp: 2557708

Ion	Ratio	Lower	Upper
330	100		
332	98.4	76.1	114.1
328	34.4	25.8	38.6
334	31.1	23.0	34.6



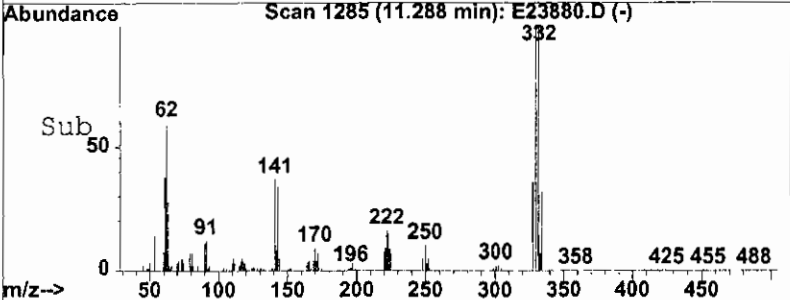
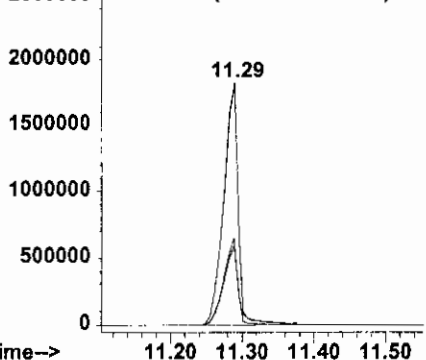
Abundance

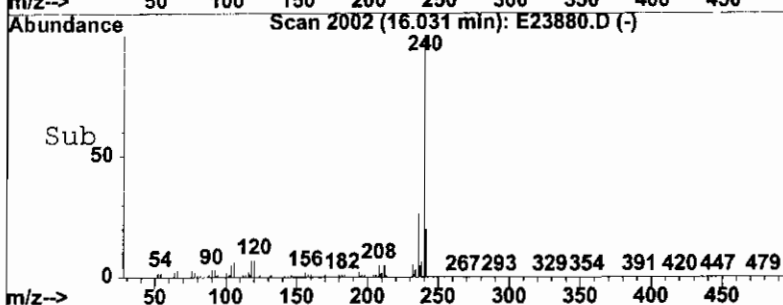
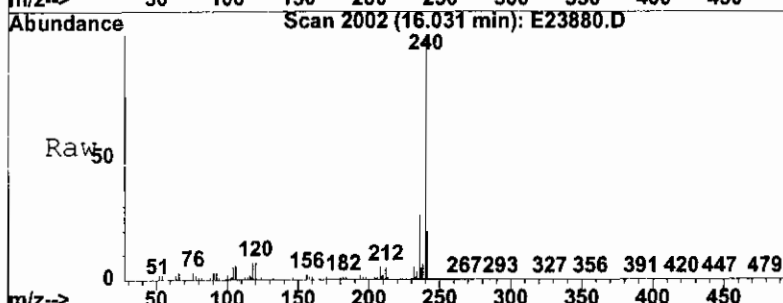
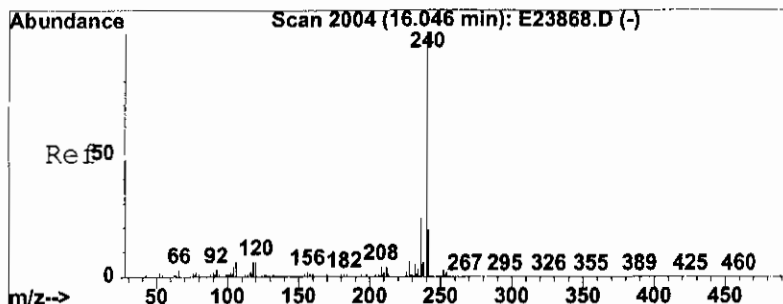
Ion 330.00 (329.50 to 330.50): E2

Ion 332.00 (331.50 to 332.50): E2

Ion 328.00 (327.50 to 328.50): E2

Ion 334.00 (333.50 to 334.50): E2





#69

Chrysene-d12

Concen: 40.00 ug/mL

RT: 16.03 min Scan# 2002

Delta R.T. -0.03 min

Lab File: E23880.D

Acq: 12 Apr 2001 10:34 pm

Tgt Ion: 240 Resp: 3828648

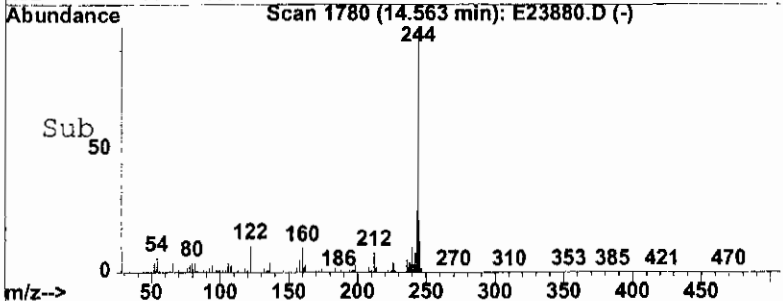
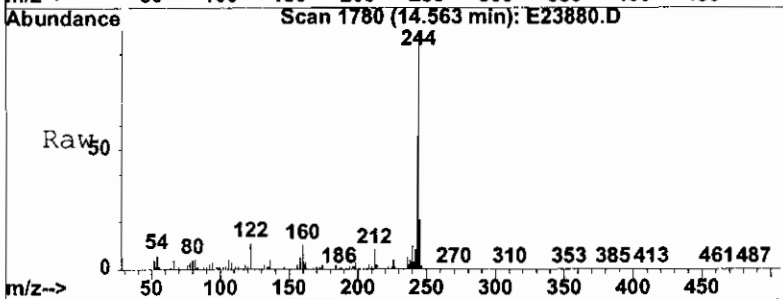
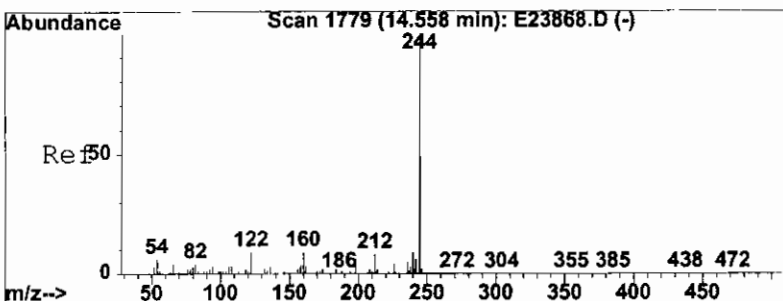
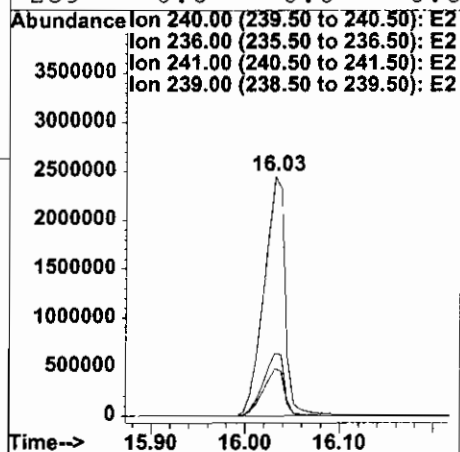
Ion Ratio Lower Upper

240 100

236 26.5 20.1 30.1

241 19.6 15.4 23.0

239 0.0 0.0 0.0#



#70

Terphenyl-d14

Concen: 57.30 ug/mL

RT: 14.56 min Scan# 1780

Delta R.T. -0.00 min

Lab File: E23880.D

Acq: 12 Apr 2001 10:34 pm

Tgt Ion: 244 Resp: 6161996

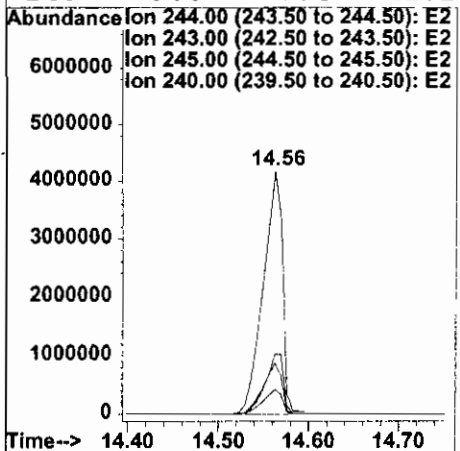
Ion Ratio Lower Upper

244 100

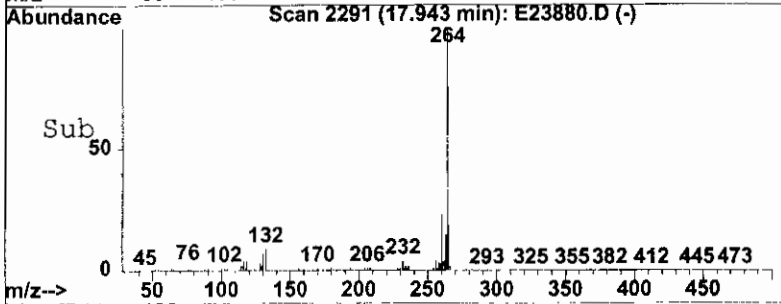
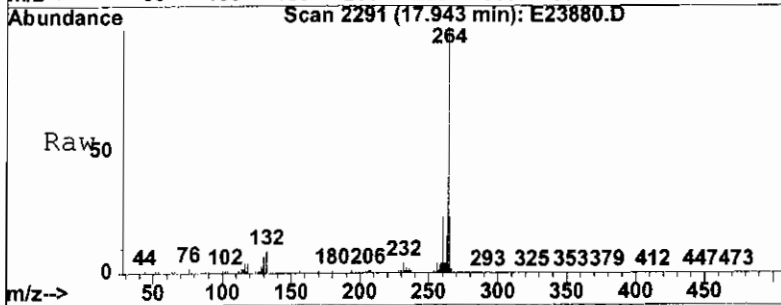
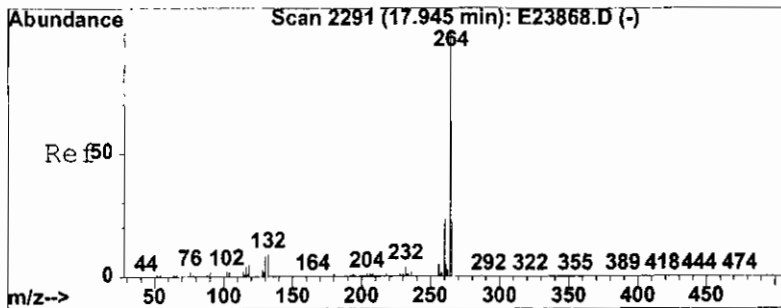
243 23.1 0.0 0.0#

245 20.3 16.2 24.4

240 9.8 7.4 11.2



000436



#77

Perylene-d12

Concen: 40.00 ug/mL

RT: 17.94 min Scan# 2291

Delta R.T. -0.02 min

Lab File: E23880.D

Acq: 12 Apr 2001 10:34 pm

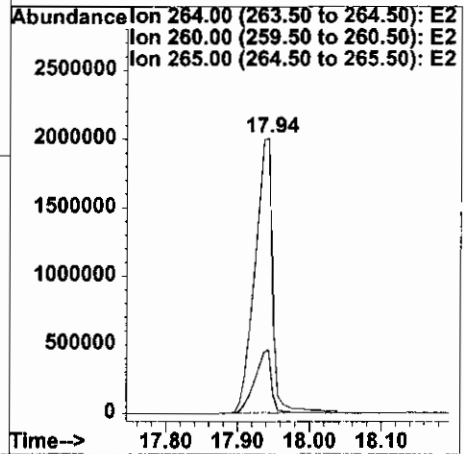
Tgt Ion: 264 Resp: 3457218

Ion Ratio Lower Upper

264 100

260 22.5 18.1 27.1

265 21.8 17.6 26.4



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E23881.D
Acq On : 12 Apr 2001 11:03 pm
Sample : 01040168-07 \$8270W ASPB 900ML\1ML
Misc : QBSV2041201A
MS Integration Params: rteint.p
Quant Time: Aug 21 15:28 19101

Vial: 20
Operator: RB
Inst : BNA NO 2
Multiplr: 1.10

Quant Results File: BNA2-13.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Fri Apr 13 09:29:39 2001
Response via : Initial Calibration
DataAcq Meth : BNA2-12

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.25	152	1172003	40.00	ug/mL	0.00
21) Naphthalene-d8	7.78	136	3847267	40.00	ug/mL	-0.01
35) Acenaphthene-d10	10.15	164	2526902	40.00	ug/mL	-0.01
57) Phenanthrene-d10	12.23	188	4235680	40.00	ug/mL	-0.03
69) Chrysene-d12	16.04	240	3458702	40.00	ug/mL	-0.02
77) Perylene-d12	17.94	264	3132813	40.00	ug/mL	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	4.92	112	3091769	67.44	ug/mL	-0.02
Spiked Amount	200.000	Range	21 - 100	Recovery	=	33.72%
5) Phenol-d5	5.97	99	2896140	46.18	ug/mL	-0.03
Spiked Amount	200.000	Range	10 - 100	Recovery	=	23.09%
19) Nitrobenzene-d5	6.93	82	4816696	77.60	ug/mL	-0.01
Spiked Amount	100.000	Range	35 - 114	Recovery	=	77.60%
38) 2-Fluorobiphenyl	9.24	172	4523345	46.18	ug/mL	-0.01
Spiked Amount	100.000	Range	43 - 116	Recovery	=	46.18%
59) 2,4,6-Tribromophenol	11.29	330	2217424	132.29	ug/mL	-0.01
Spiked Amount	200.000	Range	10 - 123	Recovery	=	66.15%
70) Terphenyl-d14	14.56	244	4456737	50.46	ug/mL	0.00
Spiked Amount	100.000	Range	33 - 141	Recovery	=	50.46%

Target Compounds

Qvalue

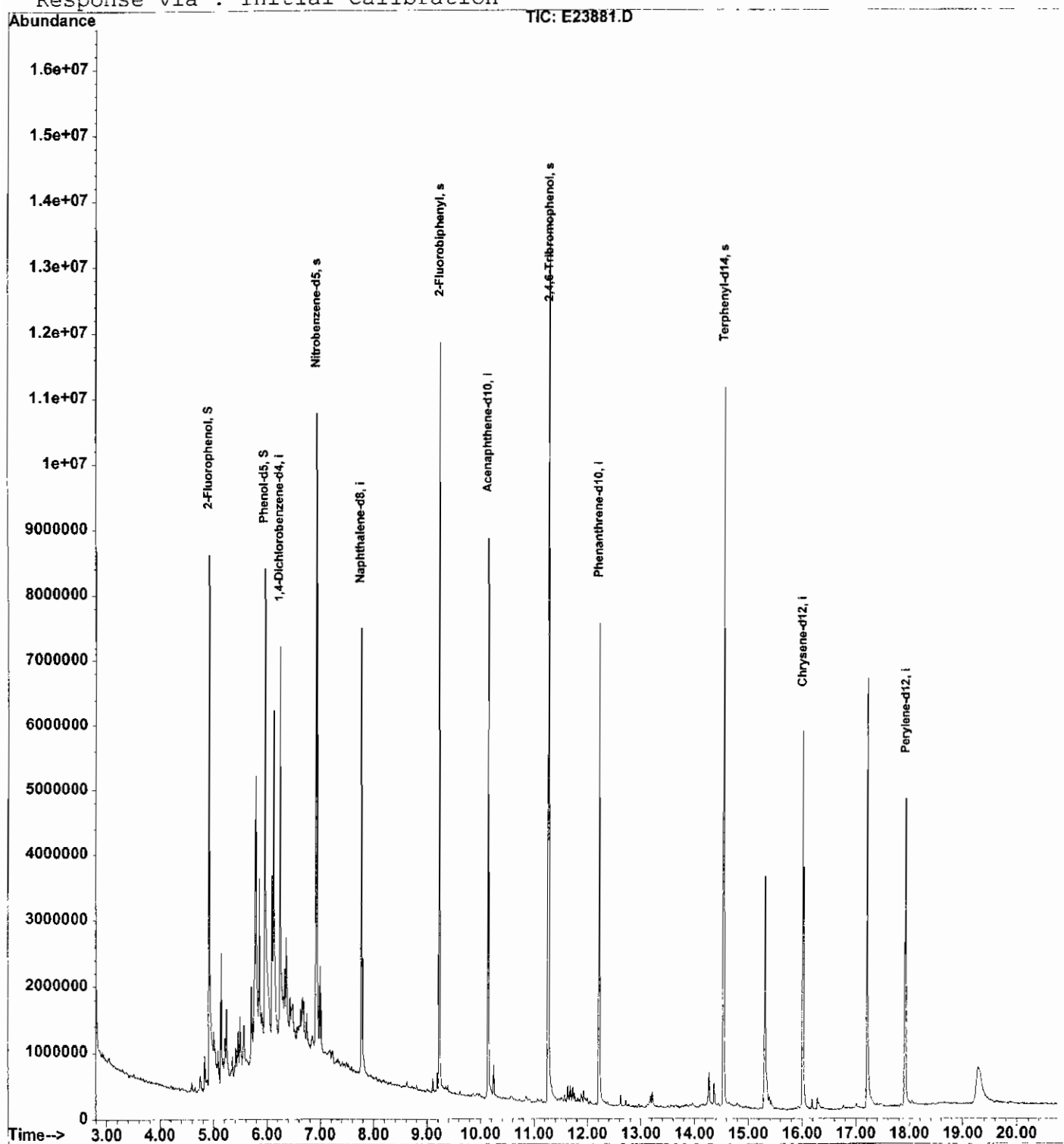
Quantitation Report

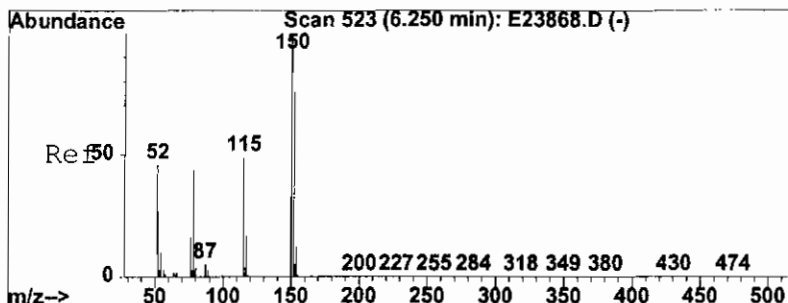
Data File : C:\HPCHEM\1\DATA\E23881.D
 Acq On : 12 Apr 2001 11:03 pm
 Sample : 01040168-07 \$8270W ASPB 900ML\1ML
 Misc : QBSV2041201A
 MS Integration Params: rteint.p
 Quant Time: Aug 21 15:28 19101

Vial: 20
 Operator: RB
 Inst : BNA NO 2
 Multiplr: 1.10

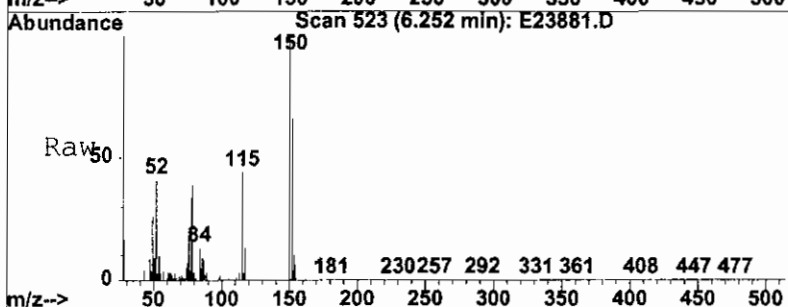
Quant Results File: BNA2-13.RES

Method : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)
 Title : Semivolatiles by GC/MS - EPA Method 625/8270
 Last Update : Fri Apr 13 09:29:39 2001
 Response via : Initial Calibration



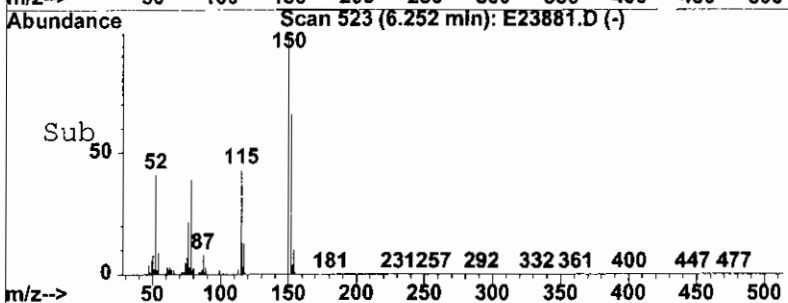


#1
 1,4-Dichlorobenzene-d4
 Concen: 40.00 ug/mL
 RT: 6.25 min Scan# 523
 Delta R.T. -0.00 min
 Lab File: E23881.D
 Acq: 12 Apr 2001 11:03 pm



Tgt Ion:152 Resp: 1172003

Ion	Ratio	Lower	Upper
152	100		
150	155.8	169.4	254.2#
115	71.9	70.3	105.5
78	65.4	76.0	114.0#



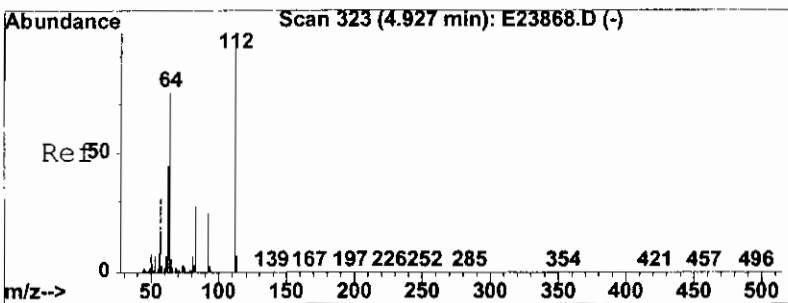
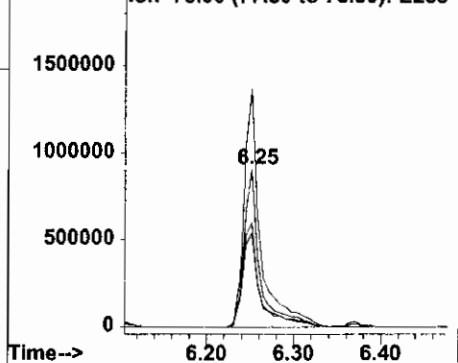
Abundance

Ion 152.00 (151.50 to 152.50): E2

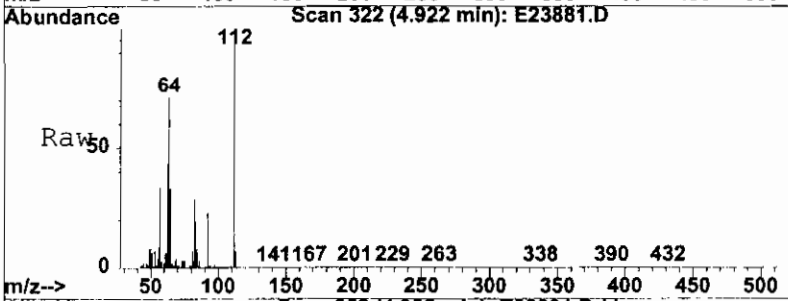
Ion 150.00 (149.50 to 150.50): E2

Ion 115.00 (114.50 to 115.50): E2

Ion 78.00 (77.50 to 78.50): E238

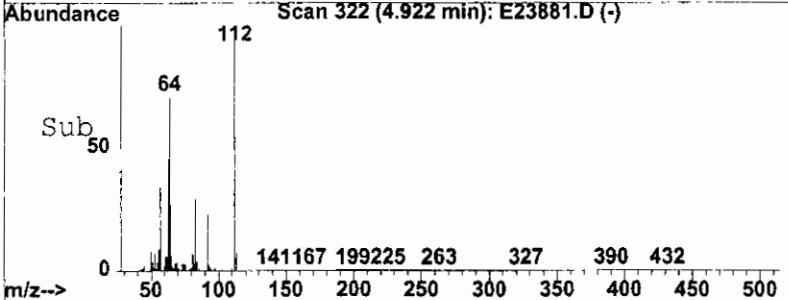


#4
 2-Fluorophenol
 Concen: 67.44 ug/mL
 RT: 4.92 min Scan# 322
 Delta R.T. -0.02 min
 Lab File: E23881.D
 Acq: 12 Apr 2001 11:03 pm



Tgt Ion:112 Resp: 3091769

Ion	Ratio	Lower	Upper
112	100		
64	75.7	58.7	88.1
92	23.5	18.2	27.2

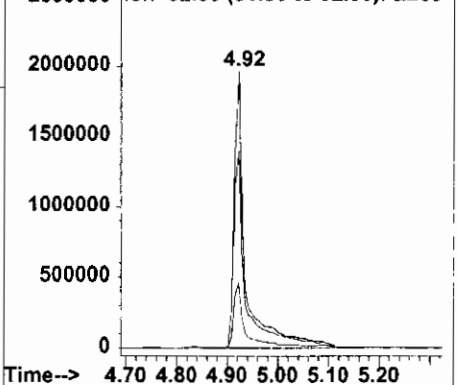


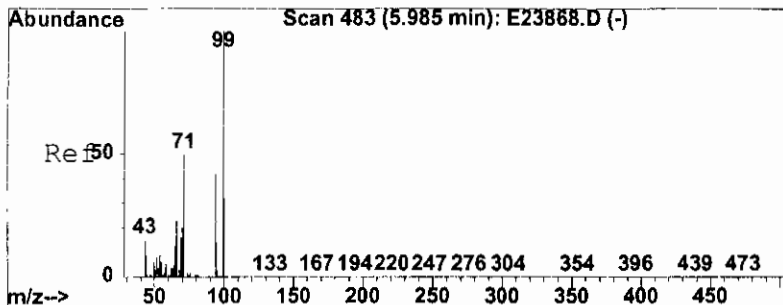
Abundance

Ion 112.00 (111.50 to 112.50): E2

Ion 64.00 (63.50 to 64.50): E238

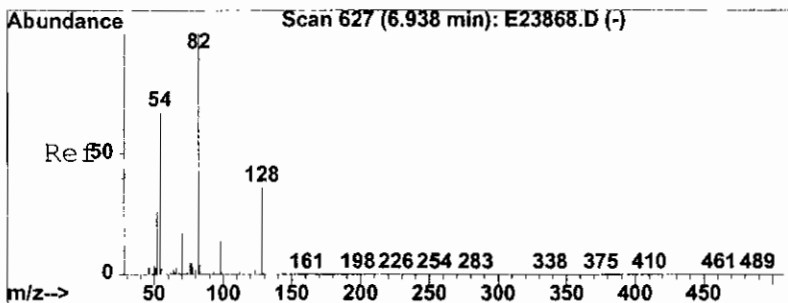
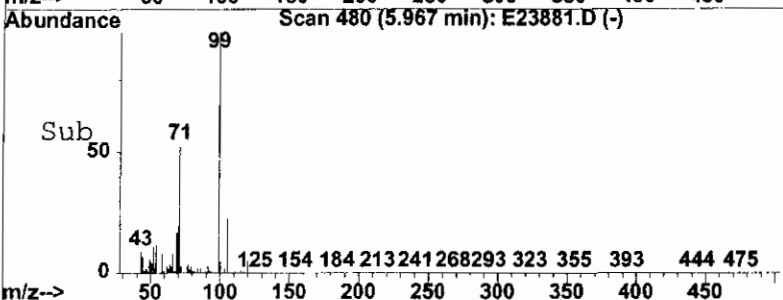
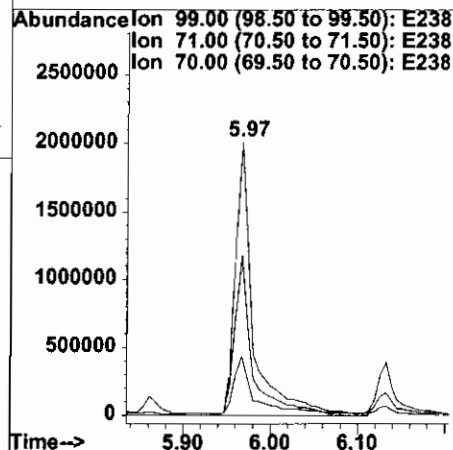
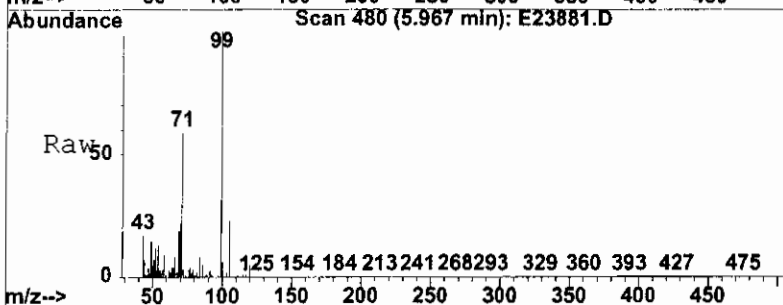
Ion 92.00 (91.50 to 92.50): E238





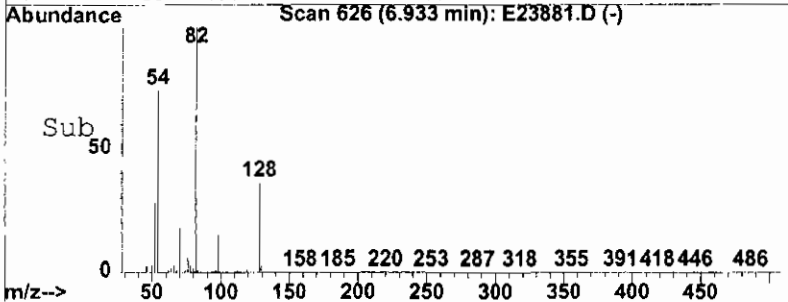
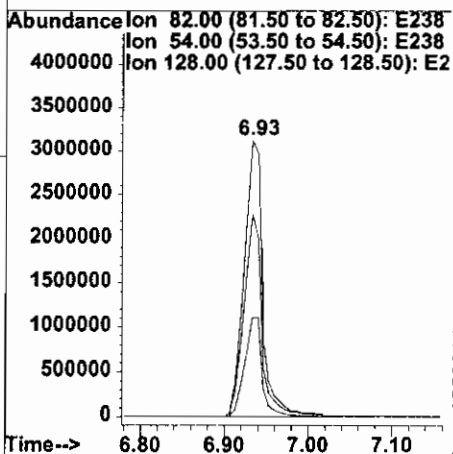
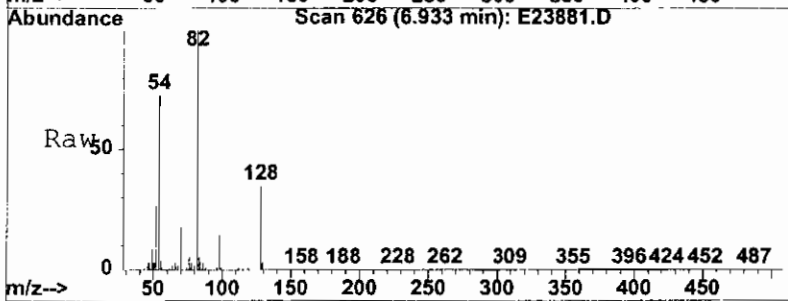
#5
 Phenol-d5
 Concen: 46.18 ug/mL
 RT: 5.97 min Scan# 480
 Delta R.T. -0.03 min
 Lab File: E23881.D
 Acq: 12 Apr 2001 11:03 pm

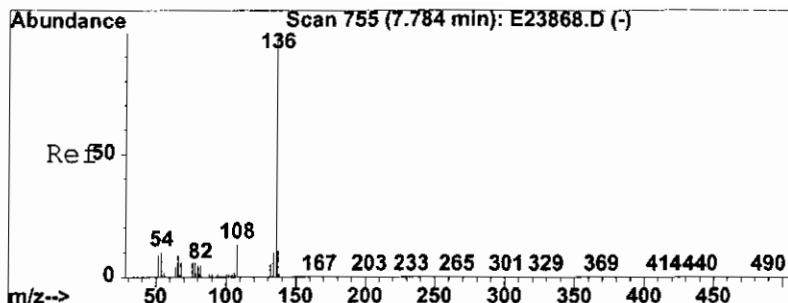
Tgt Ion: 99 Resp: 2896140
 Ion Ratio Lower Upper
 99 100
 71 56.2 43.1 64.7
 70 23.5 16.6 24.8



#19
 Nitrobenzene-d5
 Concen: 77.60 ug/mL
 RT: 6.93 min Scan# 626
 Delta R.T. -0.01 min
 Lab File: E23881.D
 Acq: 12 Apr 2001 11:03 pm

Tgt Ion: 82 Resp: 4816696
 Ion Ratio Lower Upper
 82 100
 54 71.7 24.7 37.1#
 128 33.8 1.8 2.6#

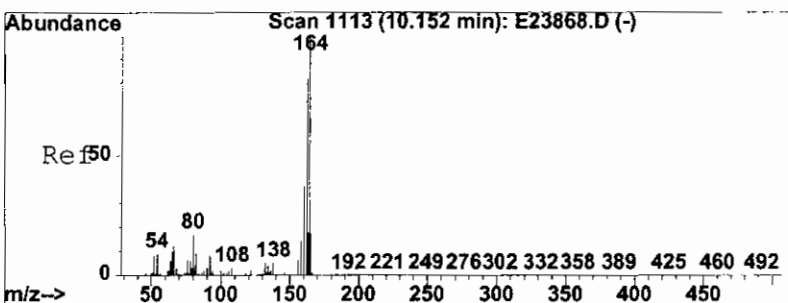
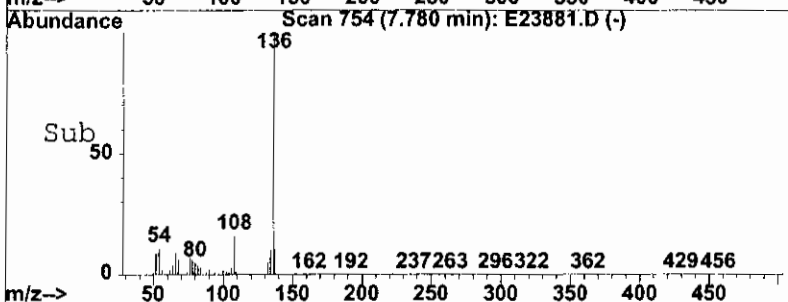
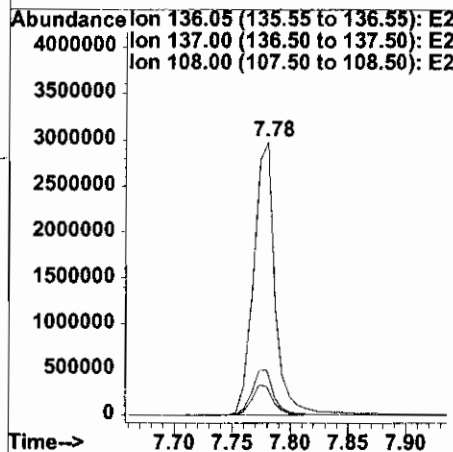
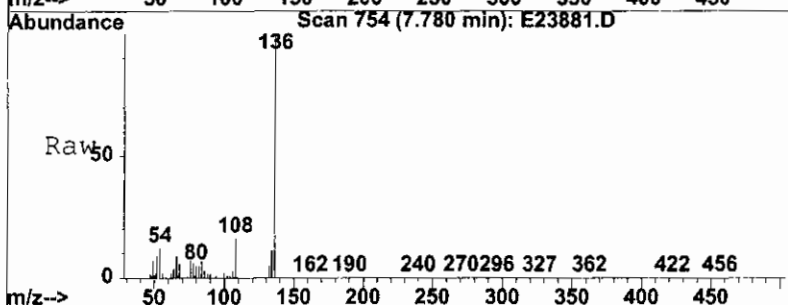




#21
Naphthalene-d8
Concen: 40.00 ug/mL
RT: 7.78 min Scan# 754
Delta R.T. -0.01 min
Lab File: E23881.D
Acq: 12 Apr 2001 11:03 pm

Tgt Ion:136 Resp: 3847267

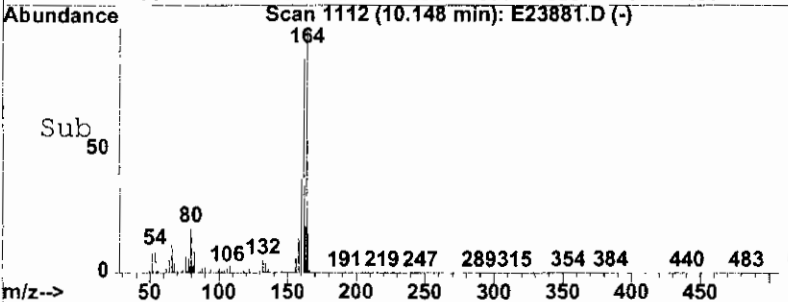
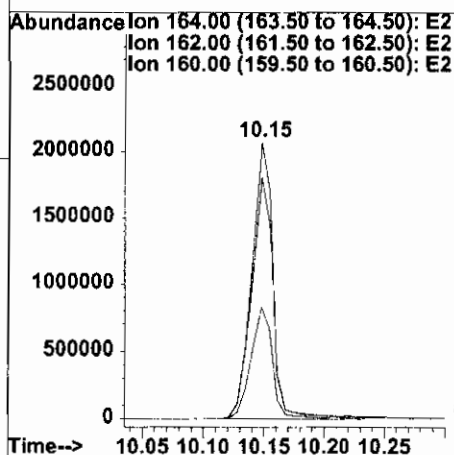
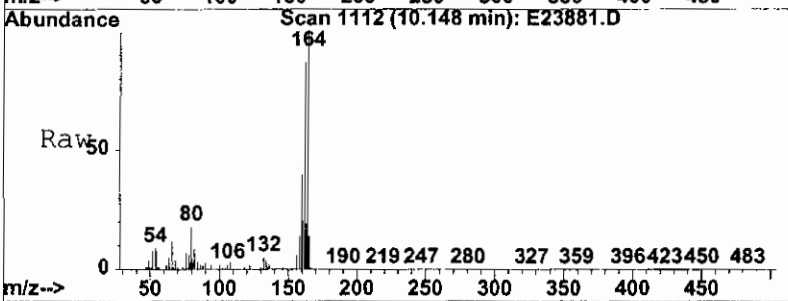
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
108	17.1	12.8	19.2



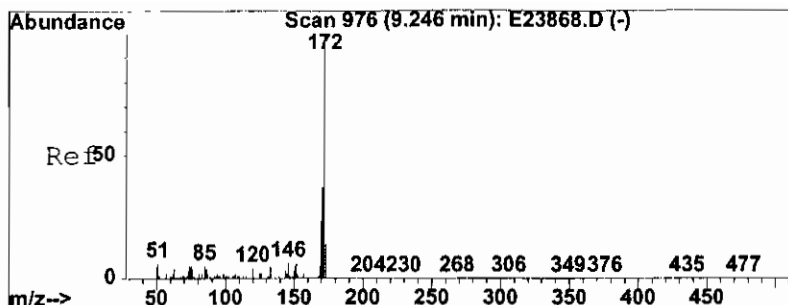
#35
Acenaphthene-d10
Concen: 40.00 ug/mL
RT: 10.15 min Scan# 1112
Delta R.T. -0.01 min
Lab File: E23881.D
Acq: 12 Apr 2001 11:03 pm

Tgt Ion:164 Resp: 2526902

Ion	Ratio	Lower	Upper
164	100		
162	87.2	69.4	104.2
160	40.2	31.8	47.6



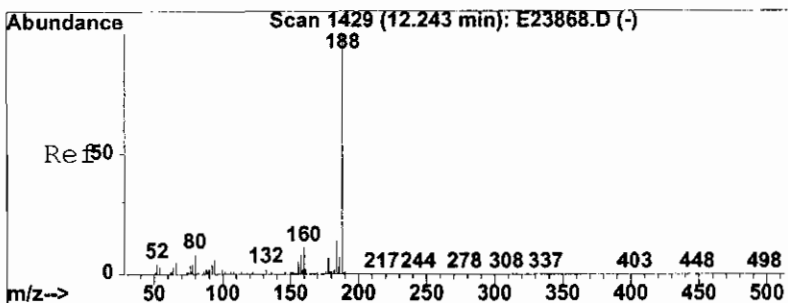
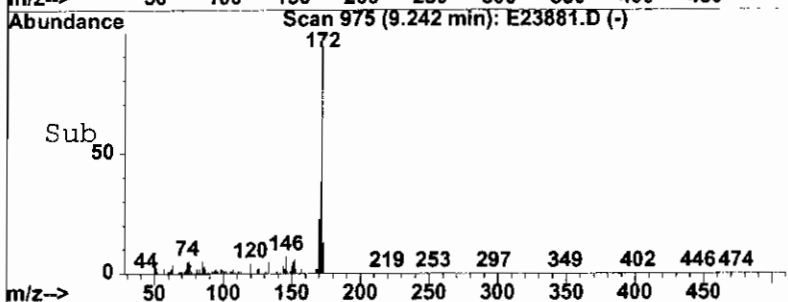
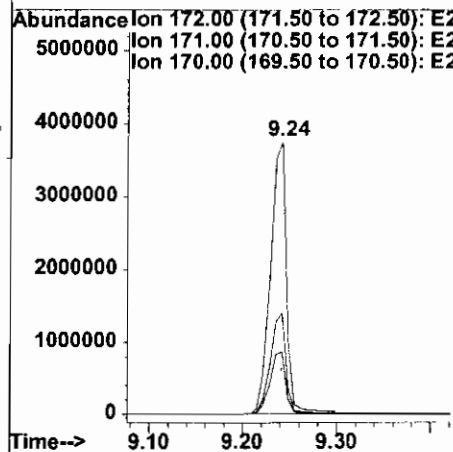
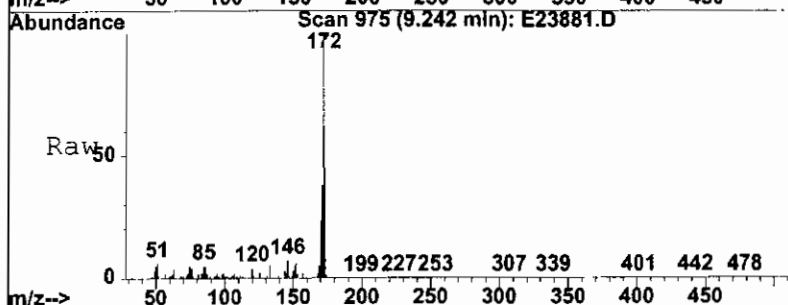
000442



#38
2-Fluorobiphenyl
Concen: 46.18 ug/mL
RT: 9.24 min Scan# 975
Delta R.T. -0.01 min
Lab File: E23881.D
Acq: 12 Apr 2001 11:03 pm

Tgt Ion:172 Resp: 4523345

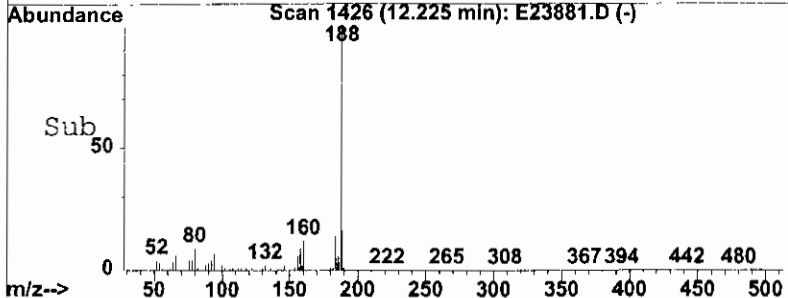
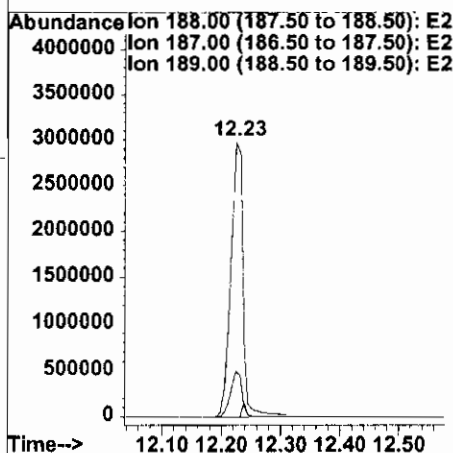
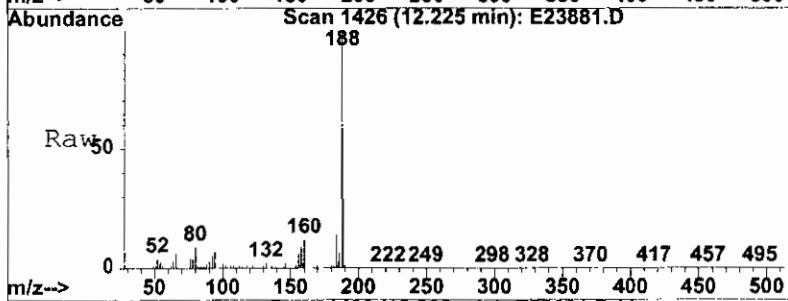
Ion	Ratio	Lower	Upper
172	100		
171	36.8	30.5	45.7
170	22.4	19.3	28.9

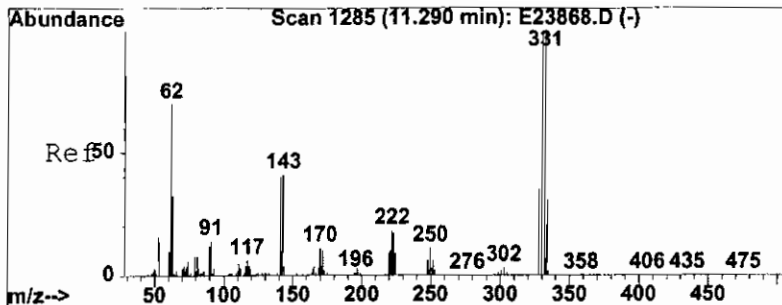


#57
Phenanthrene-d10
Concen: 40.00 ug/mL
RT: 12.23 min Scan# 1426
Delta R.T. -0.03 min
Lab File: E23881.D
Acq: 12 Apr 2001 11:03 pm

Tgt Ion:188 Resp: 4235680

Ion	Ratio	Lower	Upper
188	100		
187	1.9	1.4	2.2
189	15.3	12.5	18.7

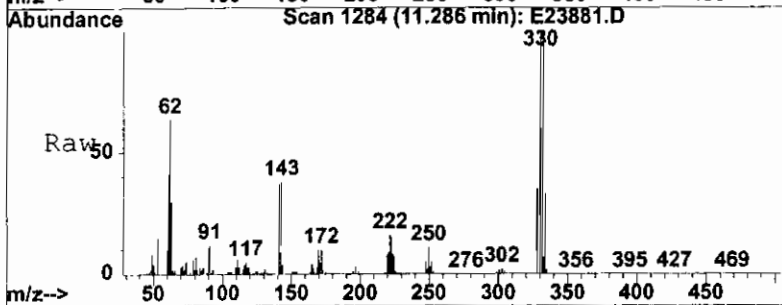




#59
 2,4,6-Tribromophenol
 Concen: 132.29 ug/mL
 RT: 11.29 min Scan# 1284
 Delta R.T. -0.01 min
 Lab File: E23881.D
 Acq: 12 Apr 2001 11:03 pm

Tgt Ion:330 Resp: 2217424

Ion	Ratio	Lower	Upper
330	100		
332	99.3	76.1	114.1
328	34.3	25.8	38.6
334	31.4	23.0	34.6



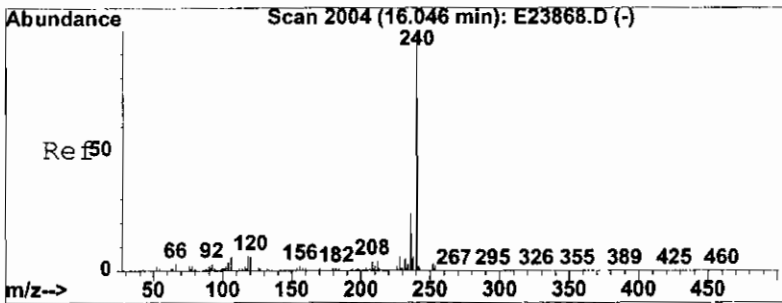
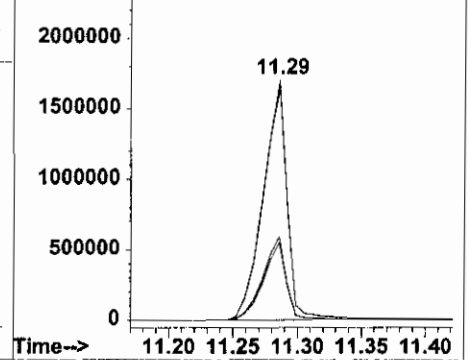
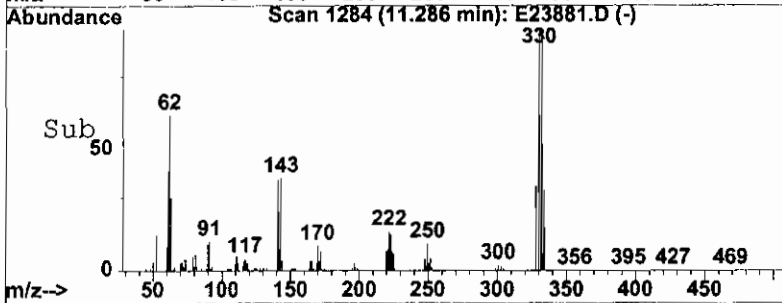
Abundance

Ion 330.00 (329.50 to 330.50): E2

Ion 332.00 (331.50 to 332.50): E2

Ion 328.00 (327.50 to 328.50): E2

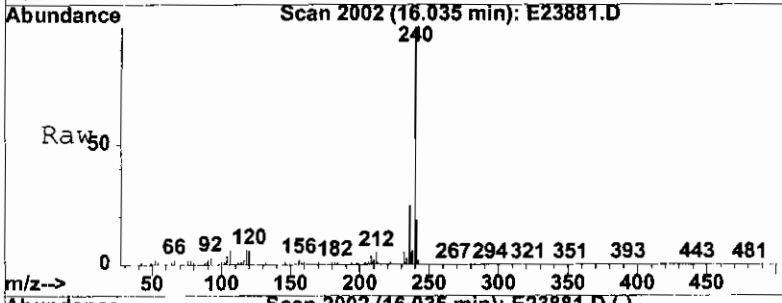
Ion 334.00 (333.50 to 334.50): E2



#69
 Chrysene-d12
 Concen: 40.00 ug/mL
 RT: 16.04 min Scan# 2002
 Delta R.T. -0.02 min
 Lab File: E23881.D
 Acq: 12 Apr 2001 11:03 pm

Tgt Ion:240 Resp: 3458702

Ion	Ratio	Lower	Upper
240	100		
236	25.4	20.1	30.1
241	19.3	15.4	23.0
239	0.1	0.0	0.0



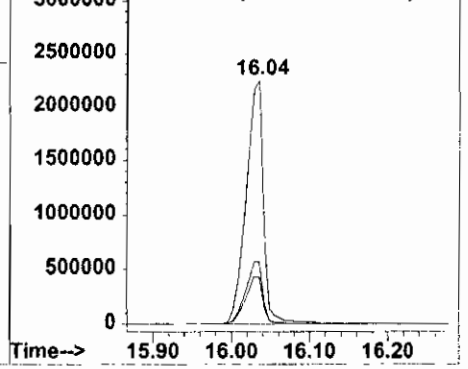
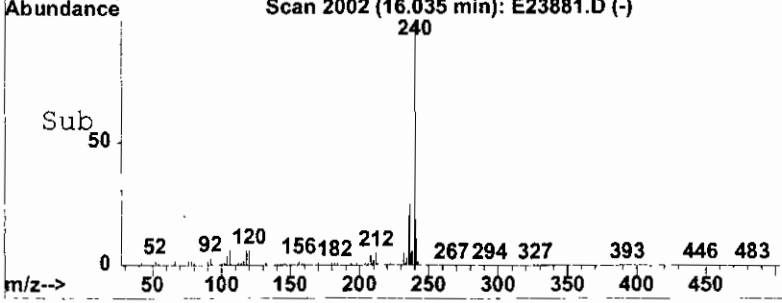
Abundance

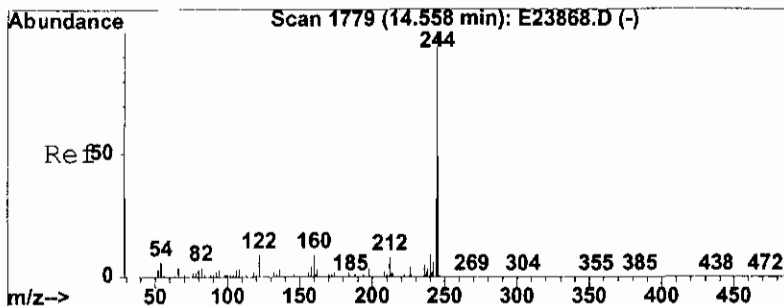
Ion 240.00 (239.50 to 240.50): E2

Ion 236.00 (235.50 to 236.50): E2

Ion 241.00 (240.50 to 241.50): E2

Ion 239.00 (238.50 to 239.50): E2





#70

Terphenyl-d14

Concen: 50.46 ug/mL

RT: 14.56 min Scan# 1779

Delta R.T. -0.01 min

Lab File: E23881.D

Acq: 12 Apr 2001 11:03 pm

Tgt Ion:244 Resp: 4456737

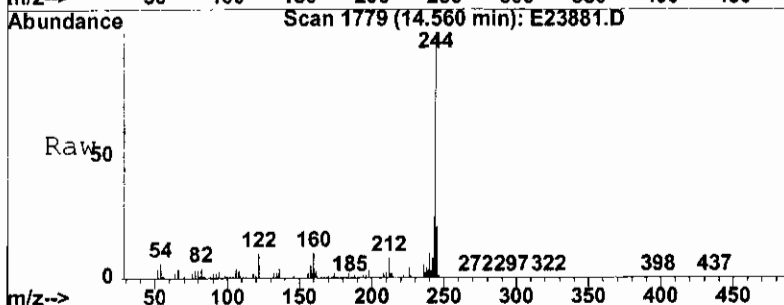
Ion Ratio Lower Upper

244 100

243 22.0 0.0 0.0#

245 19.6 16.2 24.4

240 9.5 7.4 11.2



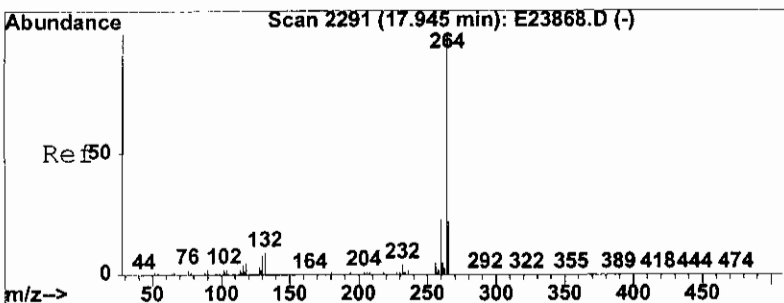
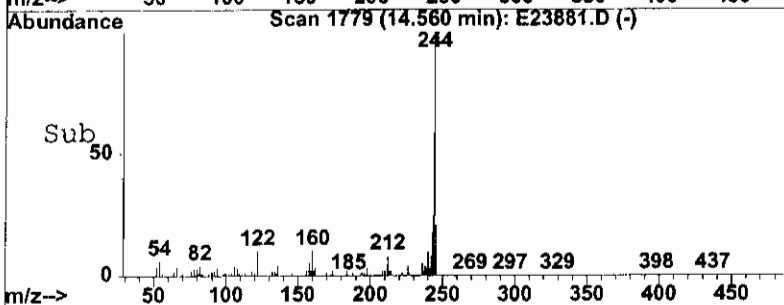
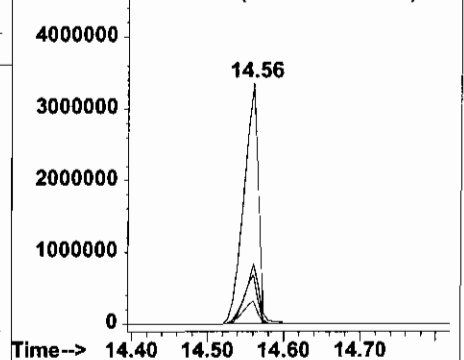
Abundance

Ion 244.00 (243.50 to 244.50): E2

Ion 243.00 (242.50 to 243.50): E2

Ion 245.00 (244.50 to 245.50): E2

Ion 240.00 (239.50 to 240.50): E2



#77

Perylene-d12

Concen: 40.00 ug/mL

RT: 17.94 min Scan# 2290

Delta R.T. -0.02 min

Lab File: E23881.D

Acq: 12 Apr 2001 11:03 pm

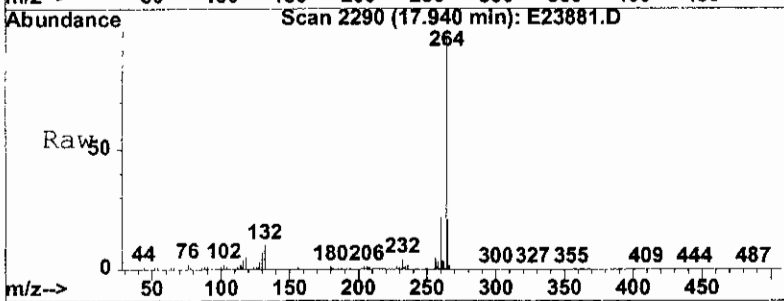
Tgt Ion:264 Resp: 3132813

Ion Ratio Lower Upper

264 100

260 22.3 18.1 27.1

265 21.4 17.6 26.4

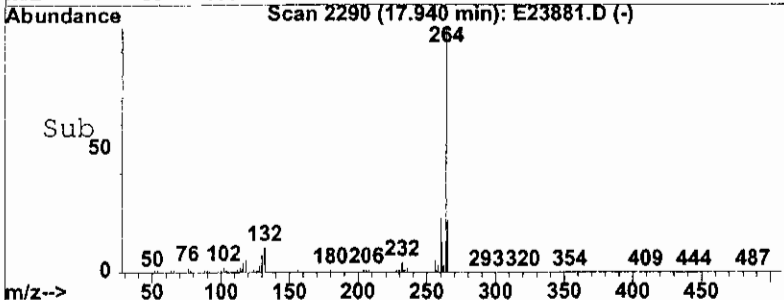
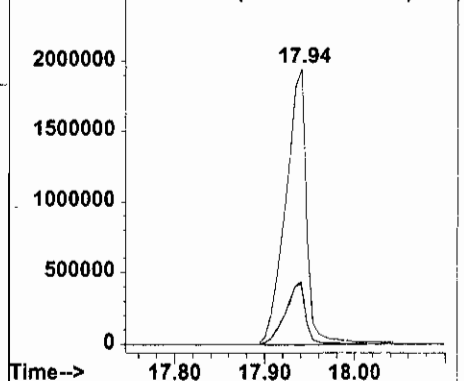


Abundance

Ion 264.00 (263.50 to 264.50): E2

Ion 260.00 (259.50 to 260.50): E2

Ion 265.00 (264.50 to 265.50): E2



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E23882.D
Acq On : 12 Apr 2001 11:33 pm
Sample : 01040168-08 \$8270W ASPB 950ML\1ML
Misc : QBSV2041201A
MS Integration Params: rteint.p
Quant Time: Aug 21 15:29 19101

Vial: 21
Operator: RB
Inst : BNA NO 2
Multiplr: 1.05

Quant Results File: BNA2-13.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Fri Apr 13 09:29:39 2001
Response via : Initial Calibration
DataAcq Meth : BNA2-12

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.25	152	1530458	40.00	ug/mL	0.00
21) Naphthalene-d8	7.78	136	4919998	40.00	ug/mL	-0.01
35) Acenaphthene-d10	10.15	164	3400793	40.00	ug/mL	-0.01
57) Phenanthrene-d10	12.23	188	5299970	40.00	ug/mL	-0.02
69) Chrysene-d12	16.04	240	4608753	40.00	ug/mL	-0.02
77) Perylene-d12	17.94	264	4247744	40.00	ug/mL	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	4.91	112	3066846	48.90	ug/mL	-0.03
Spiked Amount	200.000	Range	21 - 100	Recovery	=	24.45%
5) Phenol-d5	5.96	99	2783661	32.45	ug/mL	-0.03
Spiked Amount	200.000	Range	10 - 100	Recovery	=	16.23%
19) Nitrobenzene-d5	6.94	82	5235191	61.65	ug/mL	-0.01
Spiked Amount	100.000	Range	35 - 114	Recovery	=	61.65%
38) 2-Fluorobiphenyl	9.24	172	5021830	36.36	ug/mL	-0.02
Spiked Amount	100.000	Range	43 - 116	Recovery	=	36.36%#
59) 2,4,6-Tribromophenol	11.29	330	2577742	117.32	ug/mL	-0.01
Spiked Amount	200.000	Range	10 - 123	Recovery	=	58.66%
70) Terphenyl-d14	14.56	244	6367199	51.65	ug/mL	0.00
Spiked Amount	100.000	Range	33 - 141	Recovery	=	51.65%

Target Compounds

Qvalue

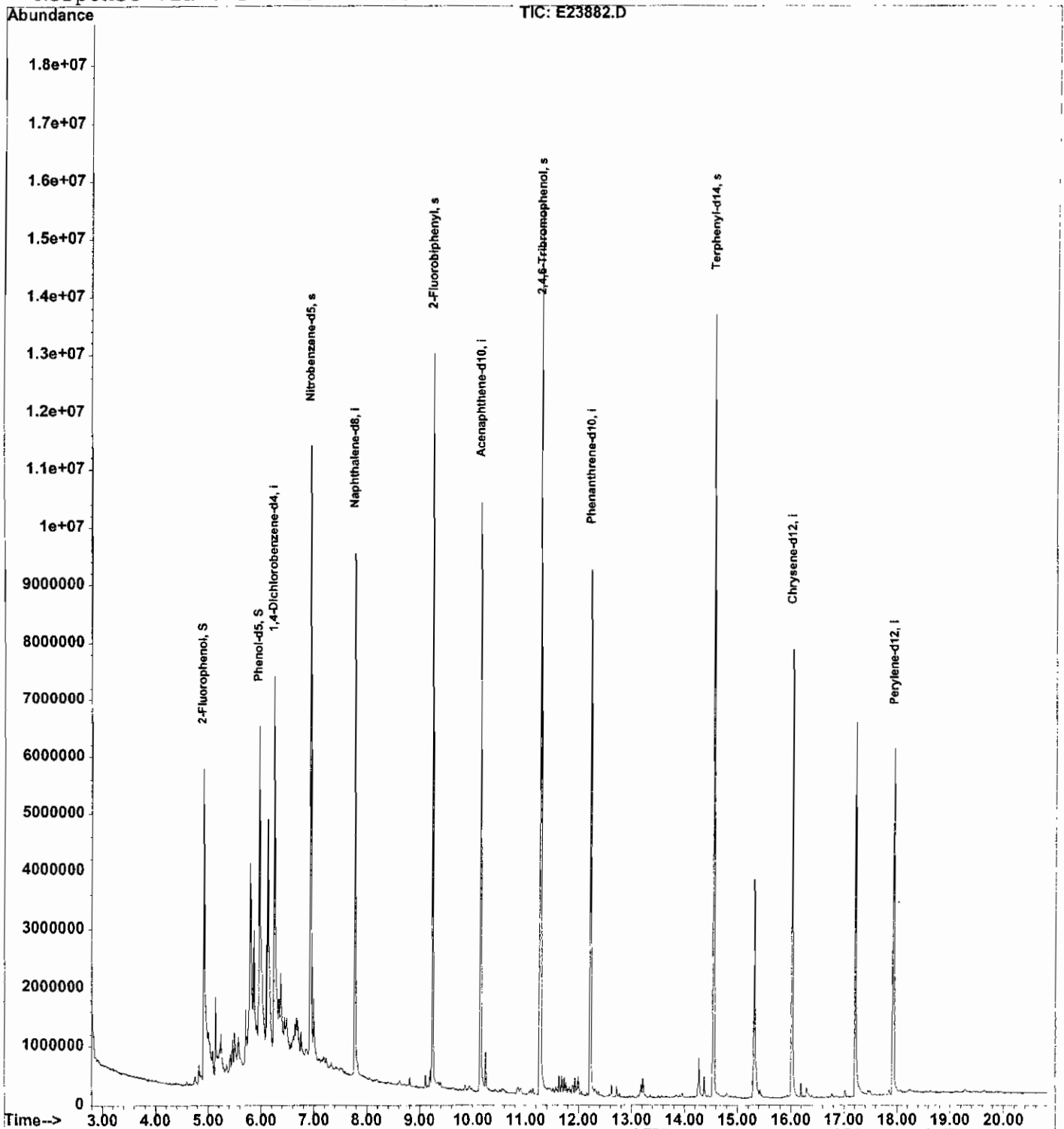
Quantitation Report

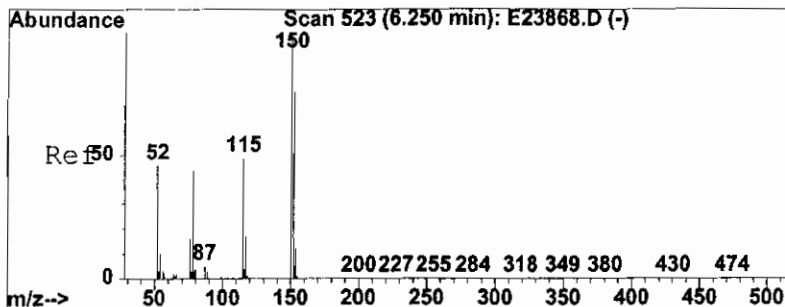
Data File : C:\HPCHEM\1\DATA\E23882.D
Acq On : 12 Apr 2001 11:33 pm
Sample : 01040168-08 \$8270W ASPB 950ML\1ML
Misc : QBSV2041201A
MS Integration Params: rteint.p
Quant Time: Aug 21 15:29 19101

Vial: 21
Operator: RB
Inst : BNA NO 2
Multiplr: 1.05

Quant Results File: BNA2-13.RES

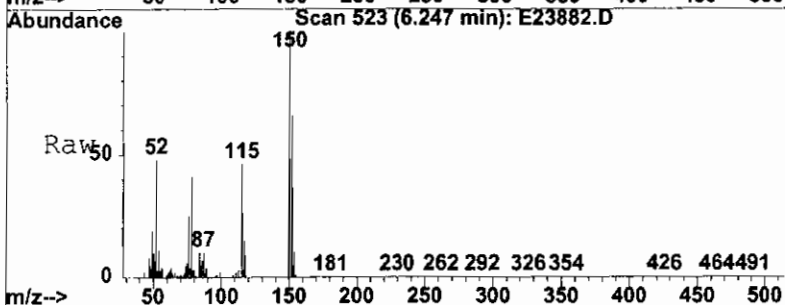
Method : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Fri Apr 13 09:29:39 2001
Response via : Initial Calibration





#1
 1,4-Dichlorobenzene-d4
 Concen: 40.00 ug/mL
 RT: 6.25 min Scan# 523
 Delta R.T. -0.01 min
 Lab File: E23882.D
 Acq: 12 Apr 2001 11:33 pm

Tgt Ion:152 Resp: 1530458
 Ion Ratio Lower Upper
 152 100
 150 154.0 169.4 254.2#
 115 71.0 70.3 105.5
 78 64.6 76.0 114.0#



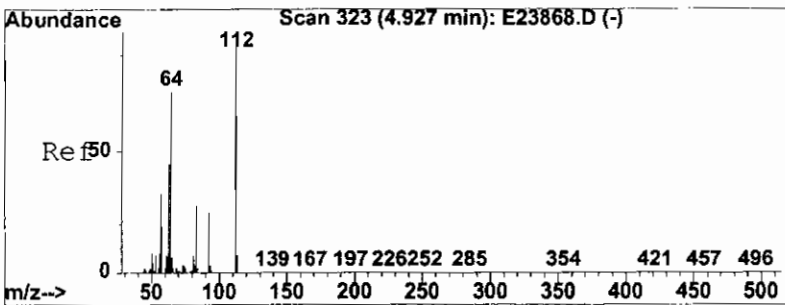
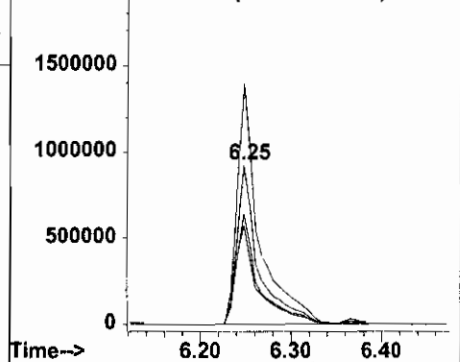
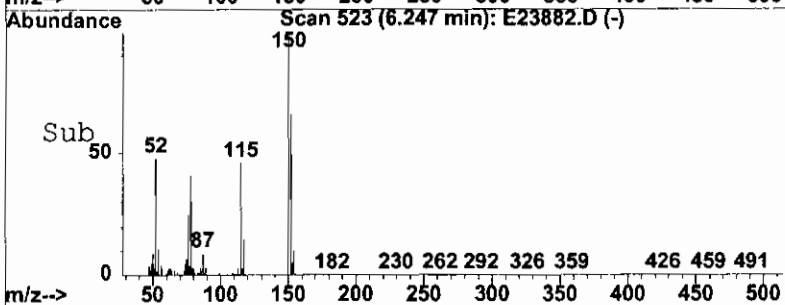
Abundance

Ion 152.00 (151.50 to 152.50): E2

Ion 150.00 (149.50 to 150.50): E2

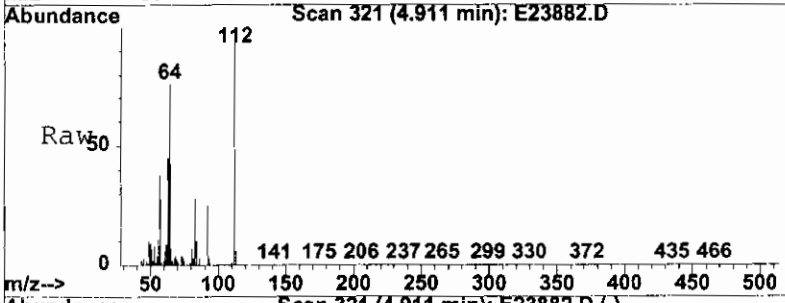
Ion 115.00 (114.50 to 115.50): E2

Ion 78.00 (77.50 to 78.50): E238



#4
 2-Fluorophenol
 Concen: 48.90 ug/mL
 RT: 4.91 min Scan# 321
 Delta R.T. -0.03 min
 Lab File: E23882.D
 Acq: 12 Apr 2001 11:33 pm

Tgt Ion:112 Resp: 3066846
 Ion Ratio Lower Upper
 112 100
 64 77.2 58.7 88.1
 92 23.0 18.2 27.2

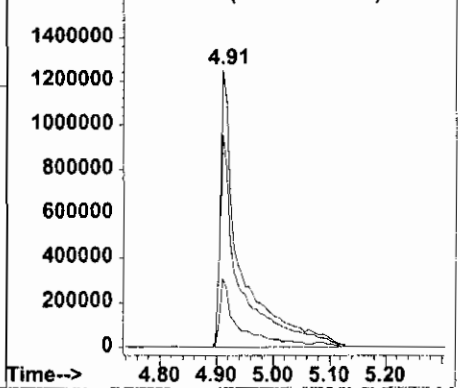
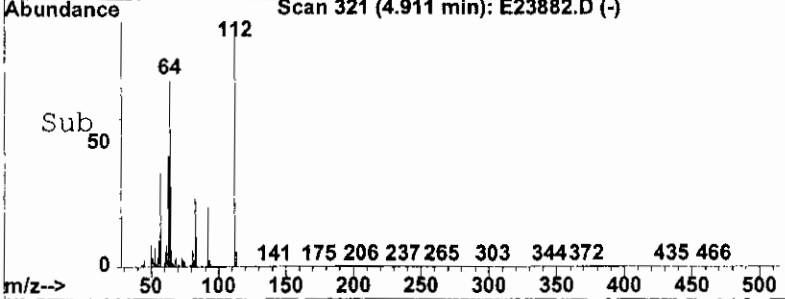


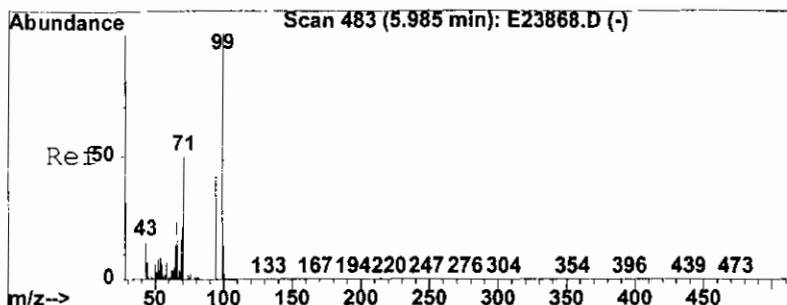
Abundance

Ion 112.00 (111.50 to 112.50): E2

Ion 64.00 (63.50 to 64.50): E238

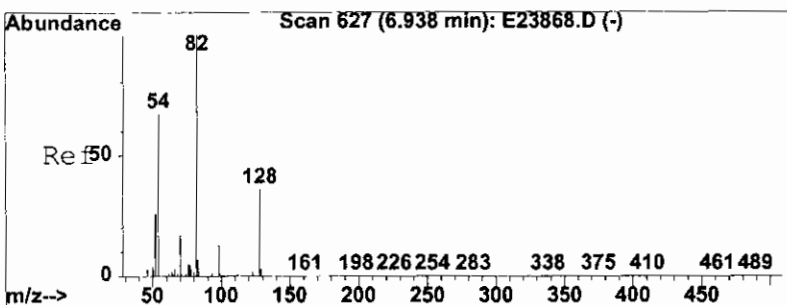
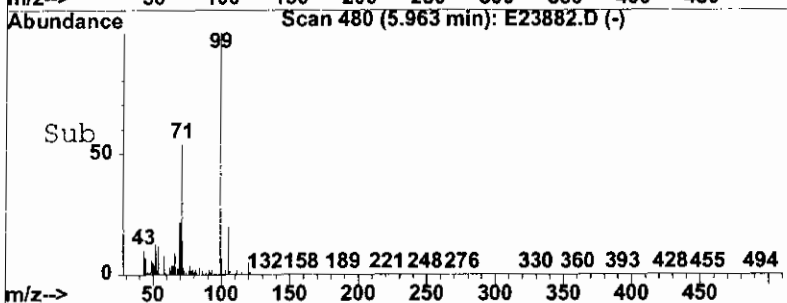
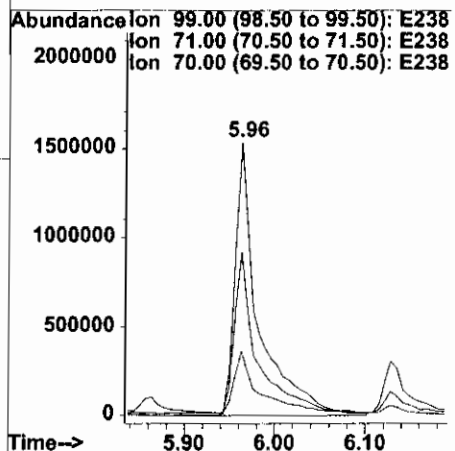
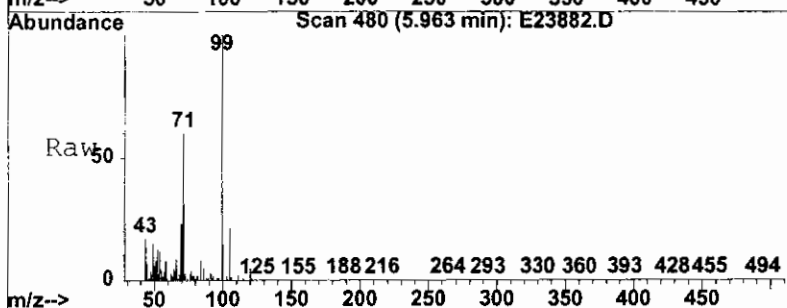
Ion 92.00 (91.50 to 92.50): E238





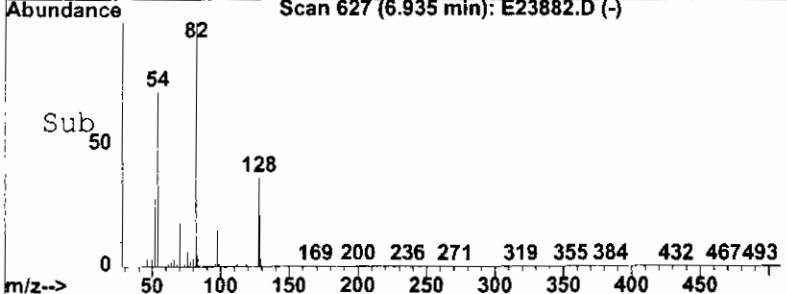
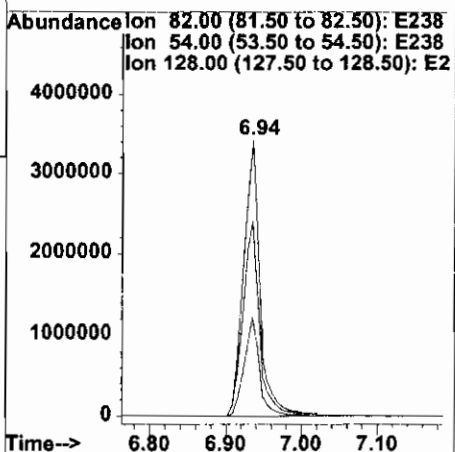
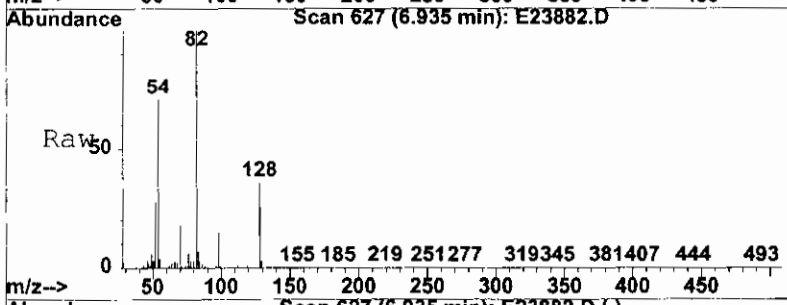
#5
Phenol-d5
Concen: 32.45 ug/mL
RT: 5.96 min Scan# 480
Delta R.T. -0.03 min
Lab File: E23882.D
Acq: 12 Apr 2001 11:33 pm

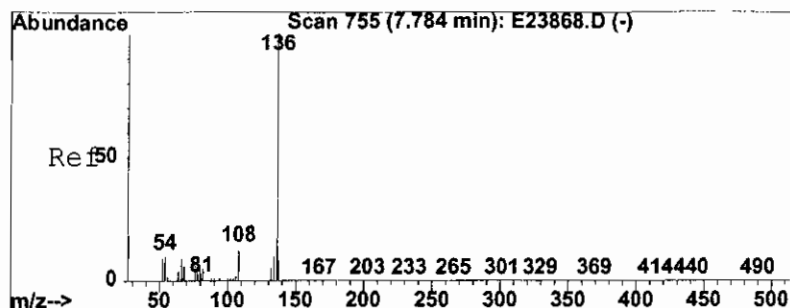
Tgt Ion: 99 Resp: 2783661
Ion Ratio Lower Upper
99 100
71 57.6 43.1 64.7
70 24.6 16.6 24.8



#19
Nitrobenzene-d5
Concen: 61.65 ug/mL
RT: 6.94 min Scan# 627
Delta R.T. -0.01 min
Lab File: E23882.D
Acq: 12 Apr 2001 11:33 pm

Tgt Ion: 82 Resp: 5235191
Ion Ratio Lower Upper
82 100
54 71.5 24.7 37.1#
128 33.7 1.8 2.6#

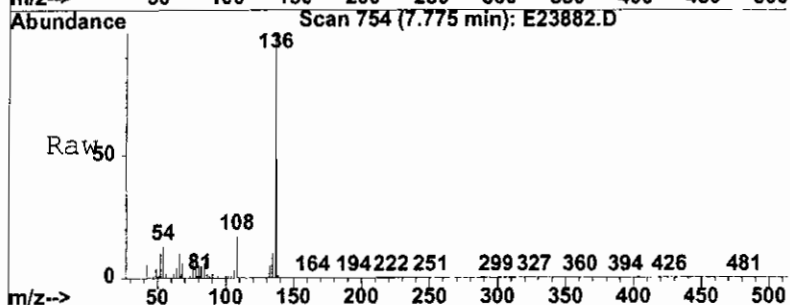




#21
Naphthalene-d8
Concen: 40.00 ug/mL
RT: 7.78 min Scan# 754
Delta R.T. -0.01 min
Lab File: E23882.D
Acq: 12 Apr 2001 11:33 pm

Tgt Ion:136 Resp: 4919998

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.9	13.3
108	16.9	12.8	19.2

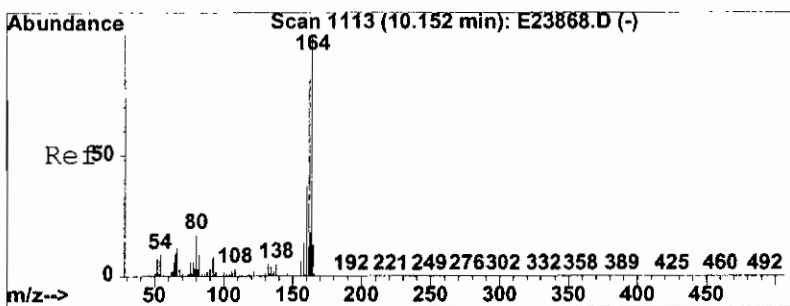
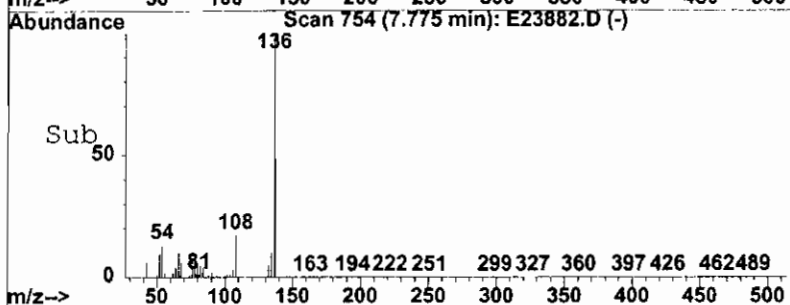
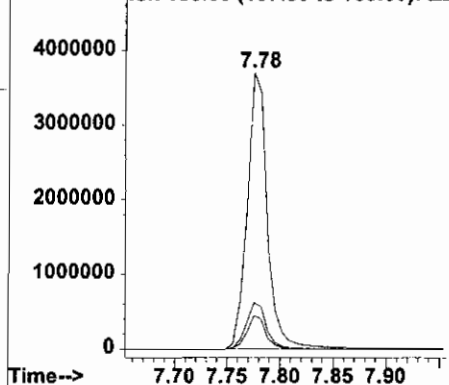


Abundance

Ion 136.05 (135.55 to 136.55): E2

Ion 137.00 (136.50 to 137.50): E2

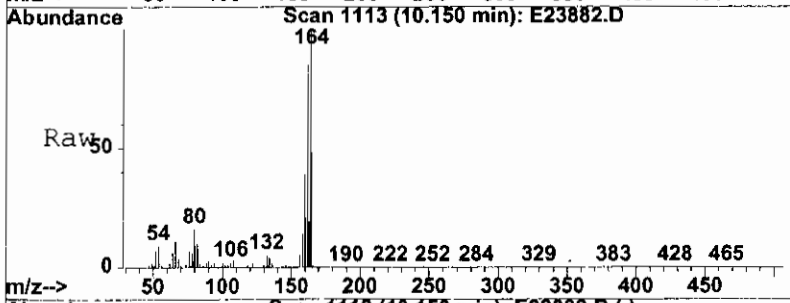
Ion 108.00 (107.50 to 108.50): E2



#35
Acenaphthene-d10
Concen: 40.00 ug/mL
RT: 10.15 min Scan# 1113
Delta R.T. -0.01 min
Lab File: E23882.D
Acq: 12 Apr 2001 11:33 pm

Tgt Ion:164 Resp: 3400793

Ion	Ratio	Lower	Upper
164	100		
162	85.2	69.4	104.2
160	39.0	31.8	47.6

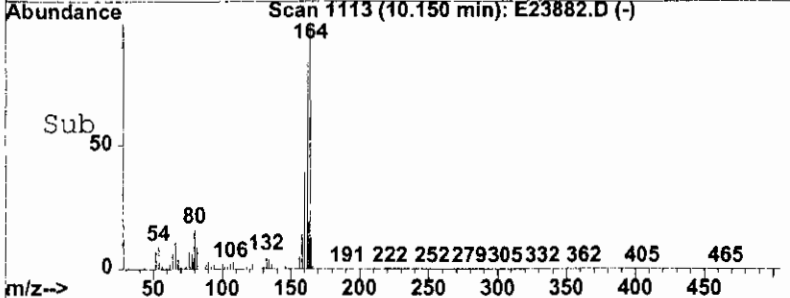
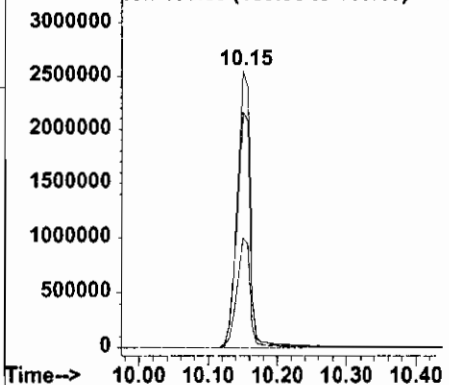


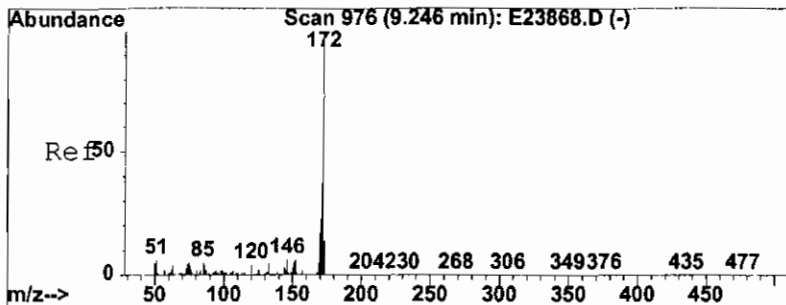
Abundance

Ion 164.00 (163.50 to 164.50): E2

Ion 162.00 (161.50 to 162.50): E2

Ion 160.00 (159.50 to 160.50): E2

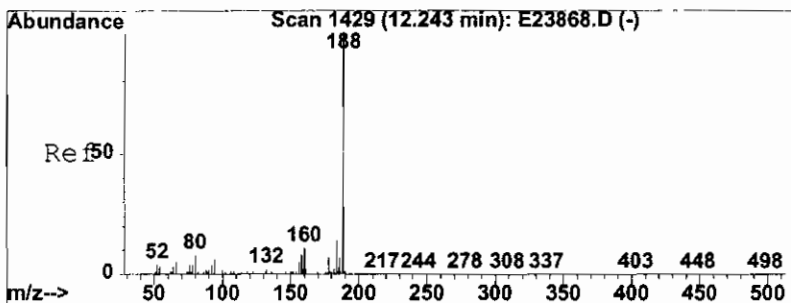
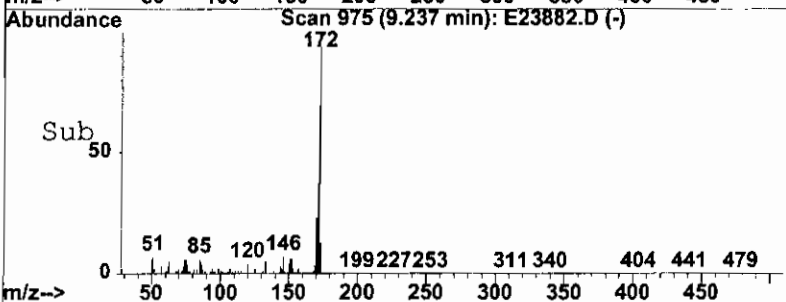
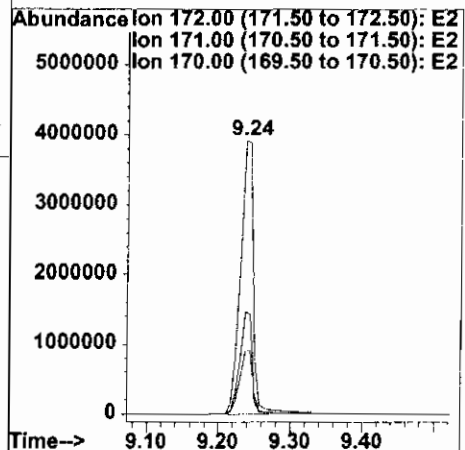
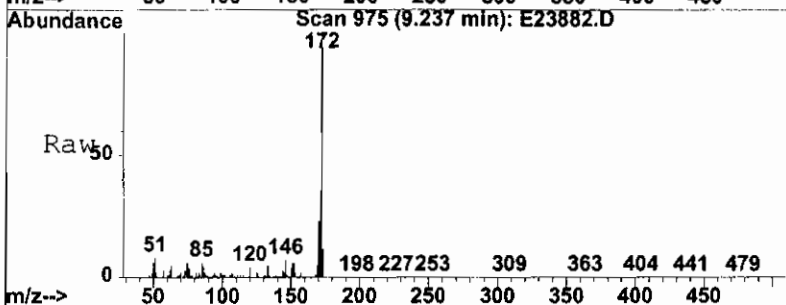




#38
2-Fluorobiphenyl
Concen: 36.36 ug/mL
RT: 9.24 min Scan# 975
Delta R.T. -0.02 min
Lab File: E23882.D
Acq: 12 Apr 2001 11:33 pm

Tgt Ion:172 Resp: 5021830

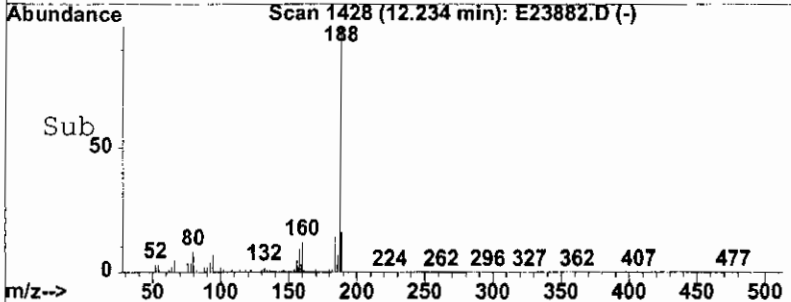
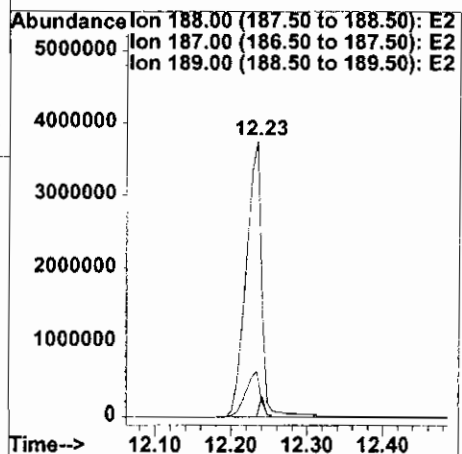
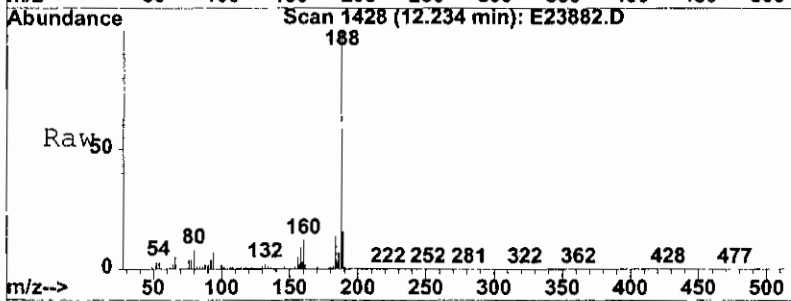
Ion	Ratio	Lower	Upper
172	100		
171	36.2	30.5	45.7
170	23.1	19.3	28.9

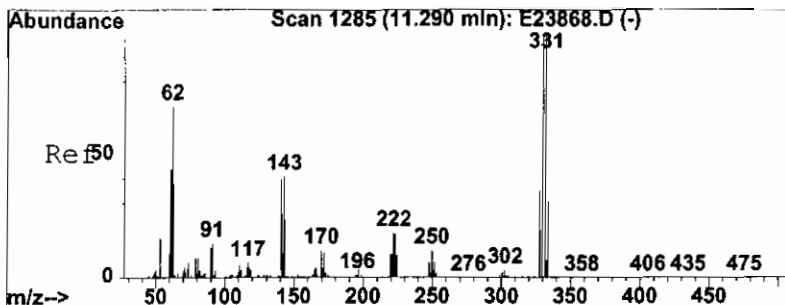


#57
Phenanthrene-d10
Concen: 40.00 ug/mL
RT: 12.23 min Scan# 1428
Delta R.T. -0.02 min
Lab File: E23882.D
Acq: 12 Apr 2001 11:33 pm

Tgt Ion:188 Resp: 5299970

Ion	Ratio	Lower	Upper
188	100		
187	2.4	1.4	2.2#
189	15.1	12.5	18.7

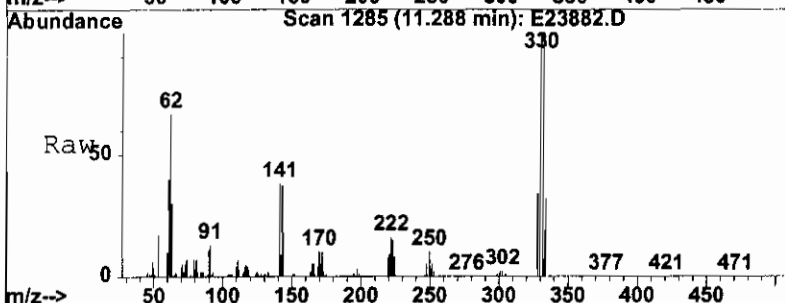




#59
2,4,6-Tribromophenol
Concen: 117.32 ug/mL
RT: 11.29 min Scan# 1285
Delta R.T. -0.01 min
Lab File: E23882.D
Acq: 12 Apr 2001 11:33 pm

Tgt Ion:330 Resp: 2577742

Ion	Ratio	Lower	Upper
330	100		
332	99.0	76.1	114.1
328	34.5	25.8	38.6
334	31.8	23.0	34.6



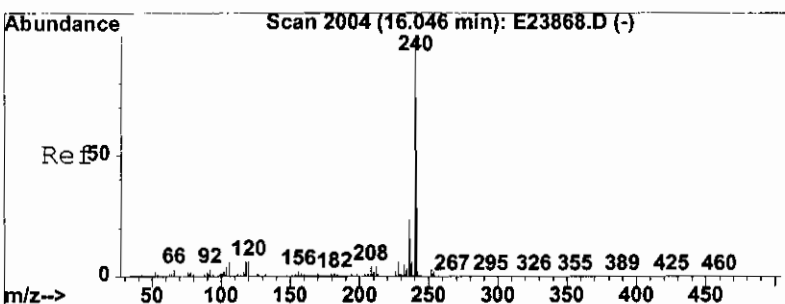
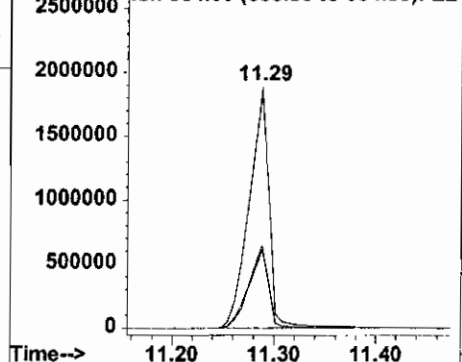
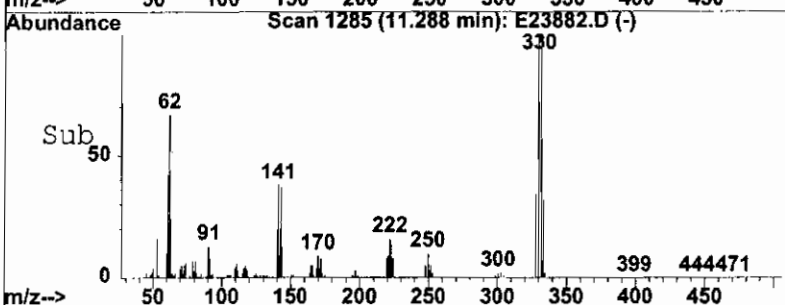
Abundance

Ion 330.00 (329.50 to 330.50): E2

Ion 332.00 (331.50 to 332.50): E2

Ion 328.00 (327.50 to 328.50): E2

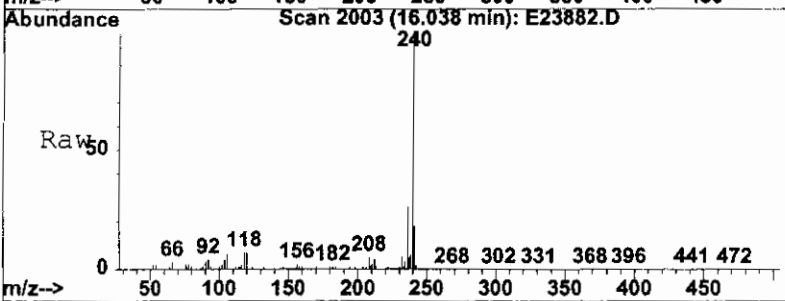
Ion 334.00 (333.50 to 334.50): E2



#69
Chrysene-d12
Concen: 40.00 ug/mL
RT: 16.04 min Scan# 2003
Delta R.T. -0.02 min
Lab File: E23882.D
Acq: 12 Apr 2001 11:33 pm

Tgt Ion:240 Resp: 4608753

Ion	Ratio	Lower	Upper
240	100		
236	25.6	20.1	30.1
241	20.0	15.4	23.0
239	0.1	0.0	0.0



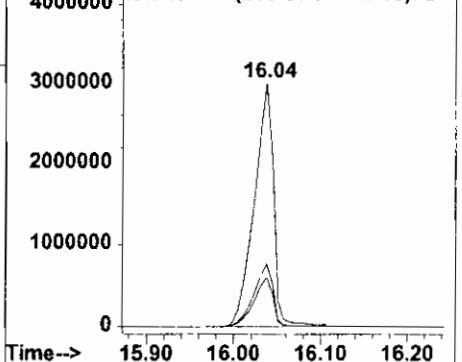
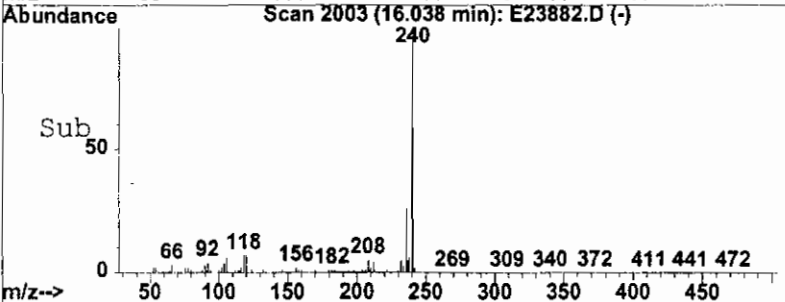
Abundance

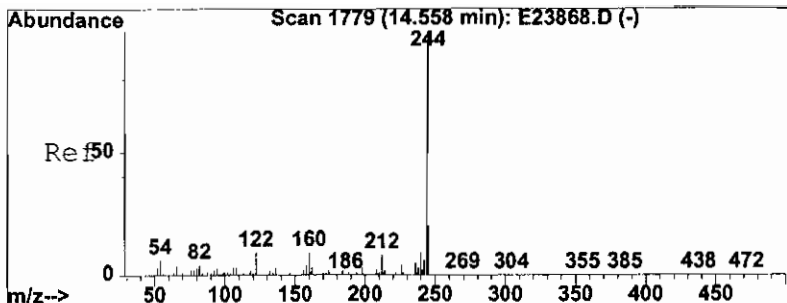
Ion 240.00 (239.50 to 240.50): E2

Ion 236.00 (235.50 to 236.50): E2

Ion 241.00 (240.50 to 241.50): E2

Ion 239.00 (238.50 to 239.50): E2

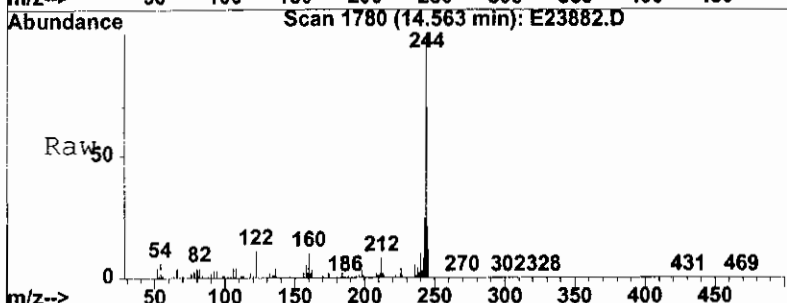




#70
 Terphenyl-d14
 Concen: 51.65 ug/mL
 RT: 14.56 min Scan# 1780
 Delta R.T. -0.00 min
 Lab File: E23882.D
 Acq: 12 Apr 2001 11:33 pm

Tgt Ion: 244 Resp: 6367199

Ion	Ratio	Lower	Upper
244	100		
243	22.9	0.0	0.0#
245	20.3	16.2	24.4
240	9.9	7.4	11.2



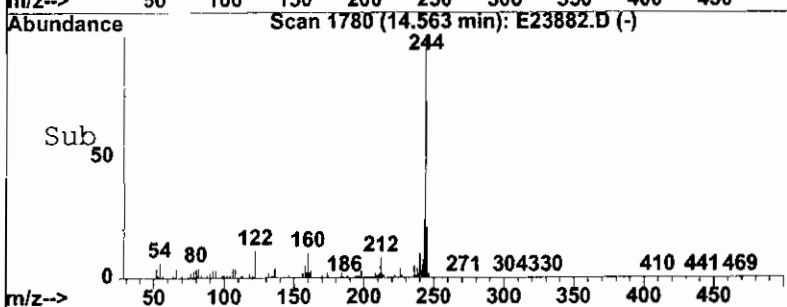
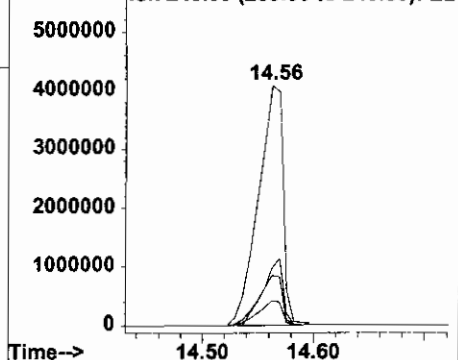
Abundance

Ion 244.00 (243.50 to 244.50): E2

Ion 243.00 (242.50 to 243.50): E2

Ion 245.00 (244.50 to 245.50): E2

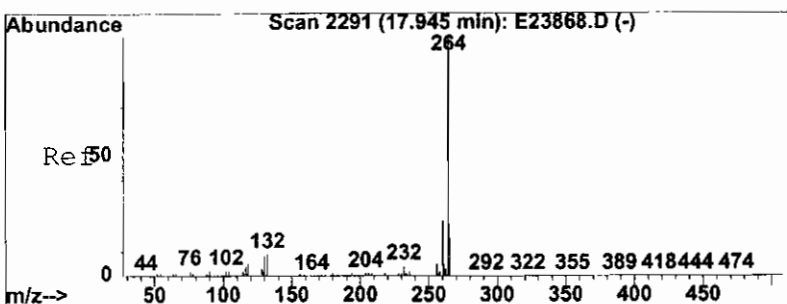
Ion 240.00 (239.50 to 240.50): E2



#77
 Perylene-d12
 Concen: 40.00 ug/mL
 RT: 17.94 min Scan# 2291
 Delta R.T. -0.02 min
 Lab File: E23882.D
 Acq: 12 Apr 2001 11:33 pm

Tgt Ion: 264 Resp: 4247744

Ion	Ratio	Lower	Upper
264	100		
260	22.2	18.1	27.1
265	21.4	17.6	26.4

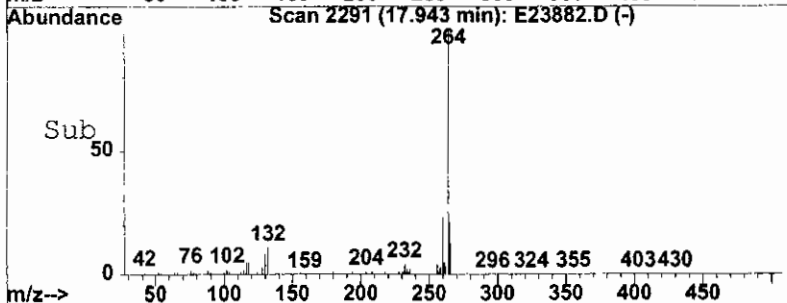
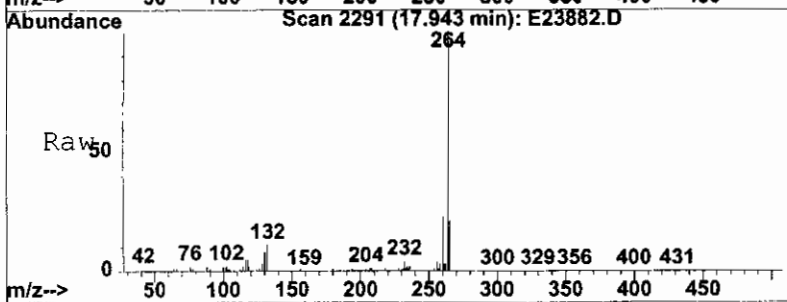
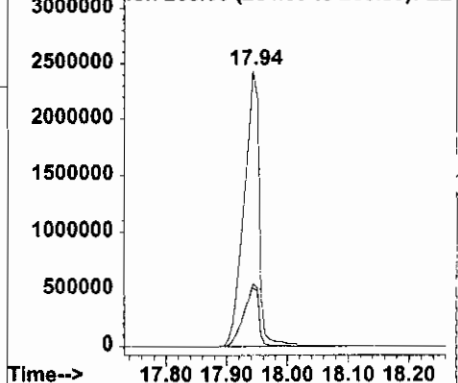


Abundance

Ion 264.00 (263.50 to 264.50): E2

Ion 260.00 (259.50 to 260.50): E2

Ion 265.00 (264.50 to 265.50): E2



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E23883.D Vial: 22
 Acq On : 13 Apr 2001 12:03 am Operator: RB
 Sample : 01040168-09 \$8270W ASPB 900ML\1ML 2X Inst : BNA NO 2
 Misc : QBSV2041201A Multiplr: 2.20
 MS Integration Params: rteint.p
 Quant Time: Aug 21 15:30 19101 Quant Results File: BNA2-13.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)
 Title : Semivolatiles by GC/MS - EPA Method 625/8270
 Last Update : Fri Apr 13 09:29:39 2001
 Response via : Initial Calibration
 DataAcq Meth : BNA2-12

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.25	152	1291933	40.00	ug/mL	0.00
21) Naphthalene-d8	7.78	136	4164845	40.00	ug/mL	-0.02
35) Acenaphthene-d10	10.15	164	2869773	40.00	ug/mL	-0.01
57) Phenanthrene-d10	12.23	188	4743850	40.00	ug/mL	-0.03
69) Chrysene-d12	16.04	240	3840607	40.00	ug/mL	-0.02
77) Perylene-d12	17.94	264	3327633	40.00	ug/mL	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	4.92	112	1468494	58.12	ug/mL	-0.02
Spiked Amount 200.000	Range 21 - 100		Recovery =	29.06%		
5) Phenol-d5	5.96	99	1458594	42.20	ug/mL	-0.03
Spiked Amount 200.000	Range 10 - 100		Recovery =	21.10%		
19) Nitrobenzene-d5	6.93	82	2874444	84.02	ug/mL	-0.02
Spiked Amount 100.000	Range 35 - 114		Recovery =	84.02%		
38) 2-Fluorobiphenyl	9.24	172	2681513	48.21	ug/mL	-0.02
Spiked Amount 100.000	Range 43 - 116		Recovery =	48.21%		
59) 2,4,6-Tribromophenol	11.28	330	1408282	150.03	ug/mL	-0.02
Spiked Amount 200.000	Range 10 - 123		Recovery =	75.02%		
70) Terphenyl-d14	14.56	244	3414078	69.63	ug/mL	-0.01
Spiked Amount 100.000	Range 33 - 141		Recovery =	69.63%		

Target Compounds

Qvalue

Quantitation Report

Data File : C:\HPCHEM\1\DATA\E23883.D

Vial: 22

Acq On : 13 Apr 2001 12:03 am

Operator: RB

Sample : 01040168-09 \$8270W ASPB 900ML\1ML 2X

Inst : BNA NO 2

Misc : QBSV2041201A

Multiplr: 2.20

MS Integration Params: rteint.p

Quant Time: Aug 21 15:30 19101

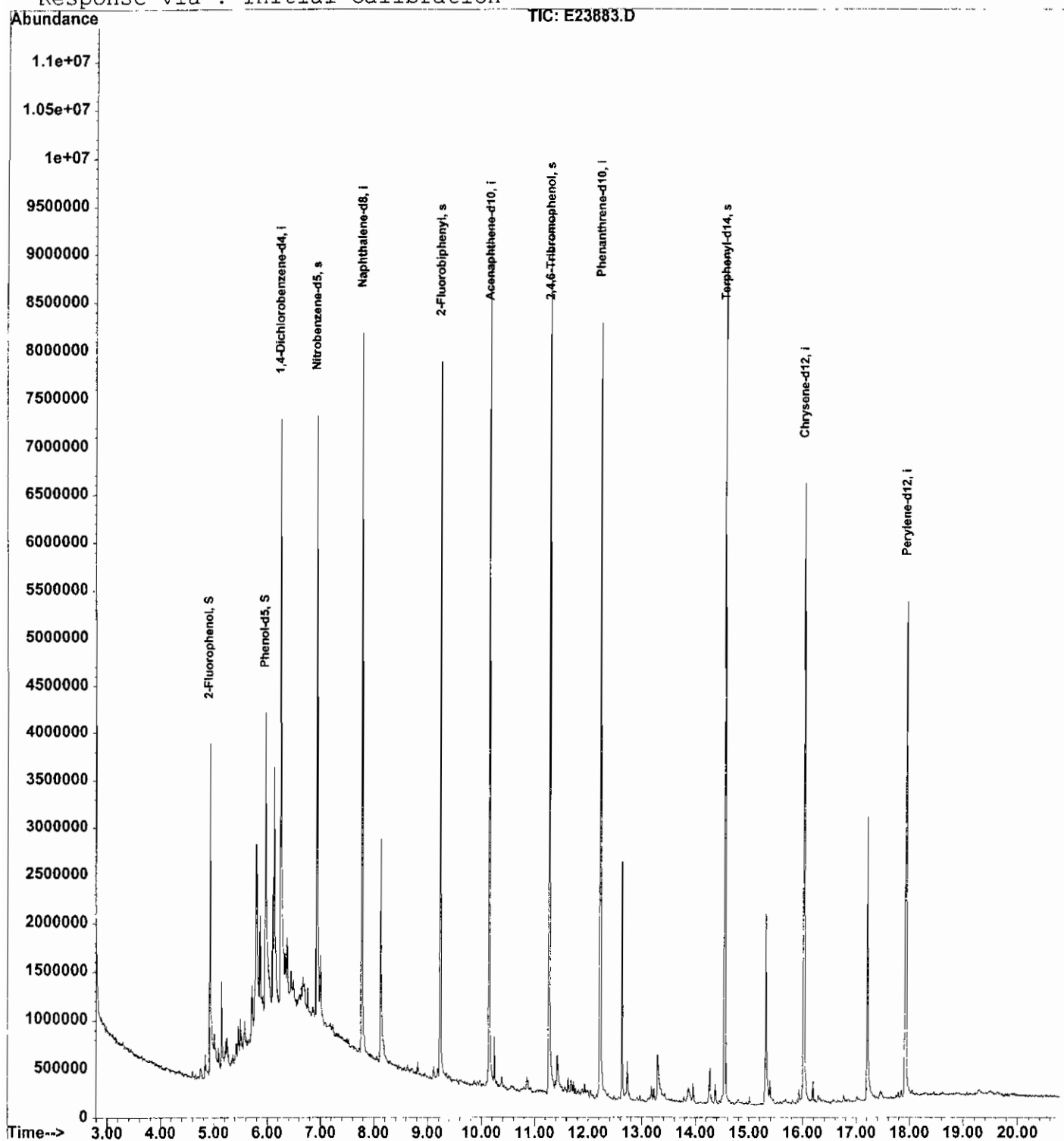
Quant Results File: BNA2-13.RES

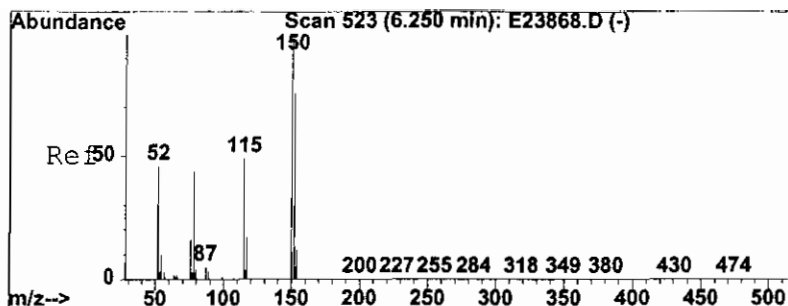
Method : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)

Title : Semivolatiles by GC/MS - EPA Method 625/8270

Last Update : Fri Apr 13 09:29:39 2001

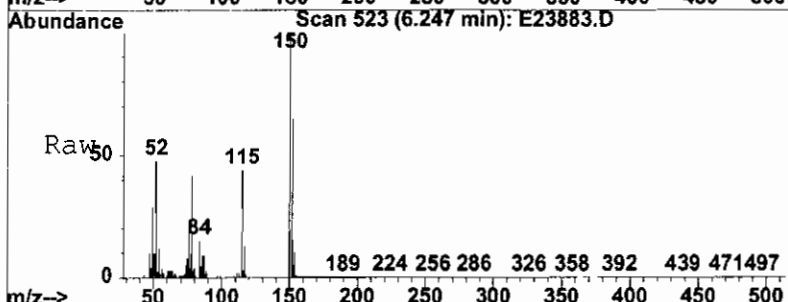
Response via : Initial Calibration



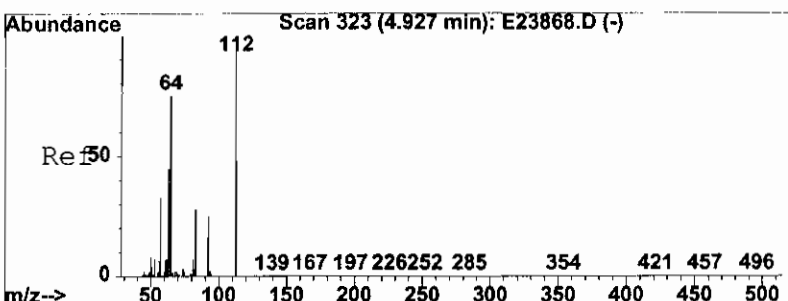
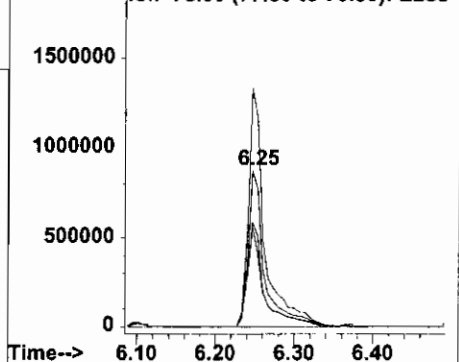
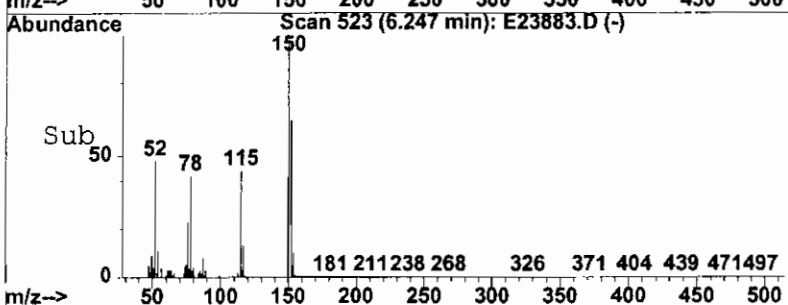


#1
 1,4-Dichlorobenzene-d4
 Concen: 40.00 ug/mL
 RT: 6.25 min Scan# 523
 Delta R.T. -0.01 min
 Lab File: E23883.D
 Acq: 13 Apr 2001 12:03 am

Tgt Ion:152 Resp: 1291933
 Ion Ratio Lower Upper
 152 100
 150 152.8 169.4 254.2#
 115 67.8 70.3 105.5#
 78 63.2 76.0 114.0#

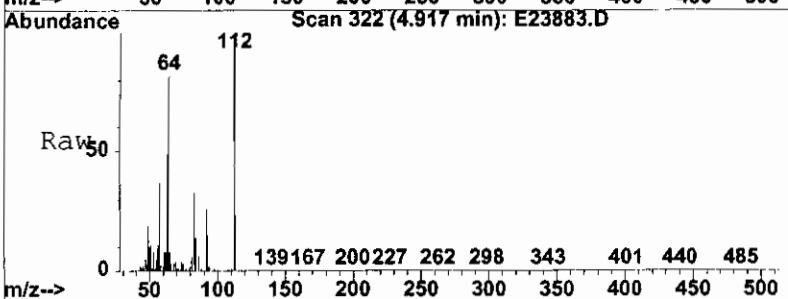


Abundance Ion 152.00 (151.50 to 152.50): E2
 2000000 Ion 150.00 (149.50 to 150.50): E2
 Ion 115.00 (114.50 to 115.50): E2
 Ion 78.00 (77.50 to 78.50): E238

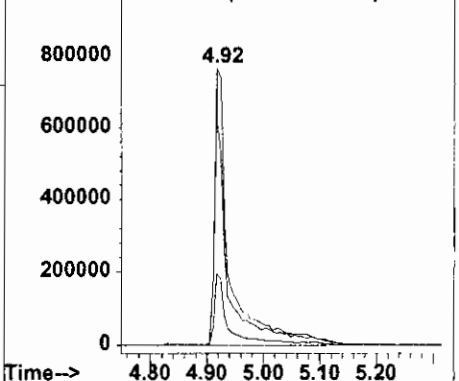
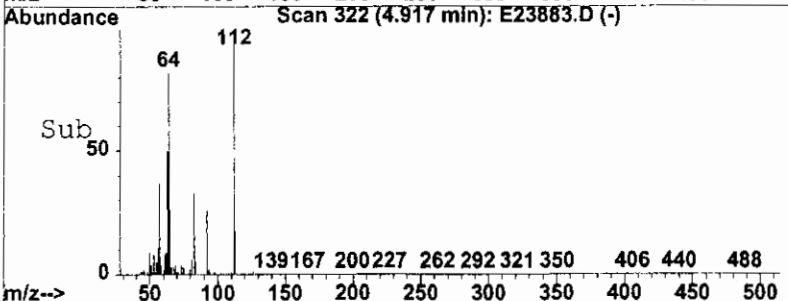


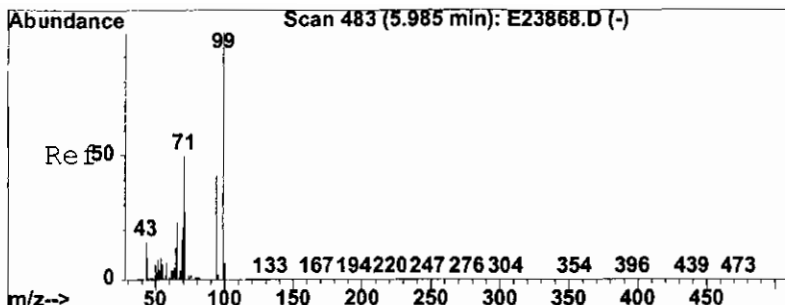
#4
 2-Fluorophenol
 Concen: 58.12 ug/mL
 RT: 4.92 min Scan# 322
 Delta R.T. -0.02 min
 Lab File: E23883.D
 Acq: 13 Apr 2001 12:03 am

Tgt Ion:112 Resp: 1468494
 Ion Ratio Lower Upper
 112 100
 64 77.5 58.7 88.1
 92 21.1 18.2 27.2



Abundance Ion 112.00 (111.50 to 112.50): E2
 1000000 Ion 64.00 (63.50 to 64.50): E238
 Ion 92.00 (91.50 to 92.50): E238

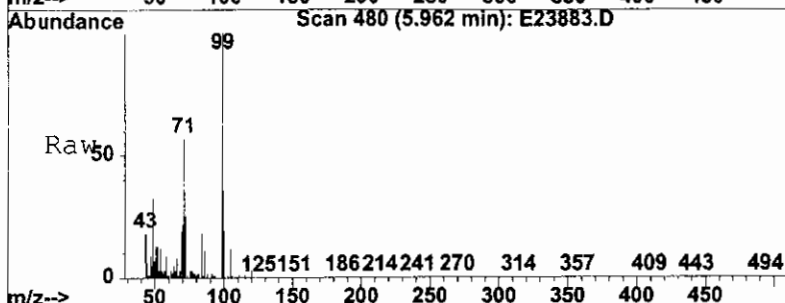




#5
 Phenol-d5
 Concen: 42.20 ug/mL
 RT: 5.96 min Scan# 480
 Delta R.T. -0.03 min
 Lab File: E23883.D
 Acq: 13 Apr 2001 12:03 am

Tgt Ion: 99 Resp: 1458594

Ion	Ratio	Lower	Upper
99	100		
71	57.6	43.1	64.7
70	23.6	16.6	24.8

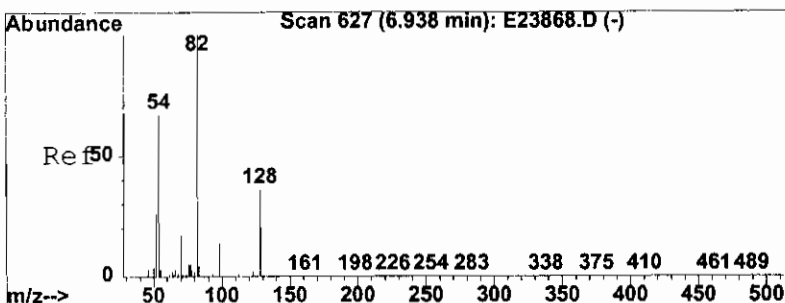
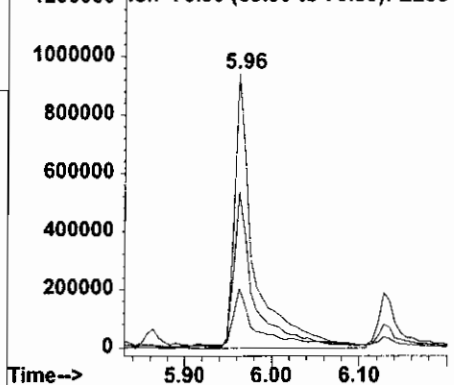
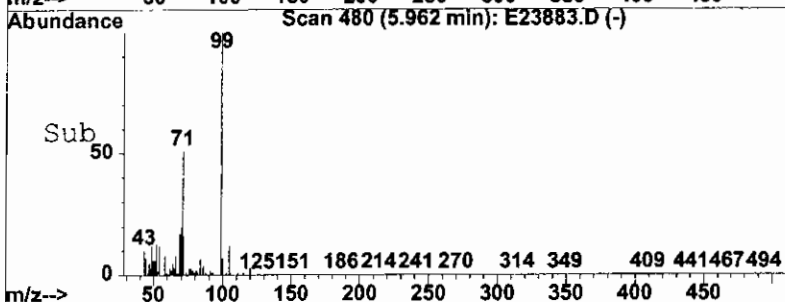


Abundance

Ion 99.00 (98.50 to 99.50): E238

Ion 71.00 (70.50 to 71.50): E238

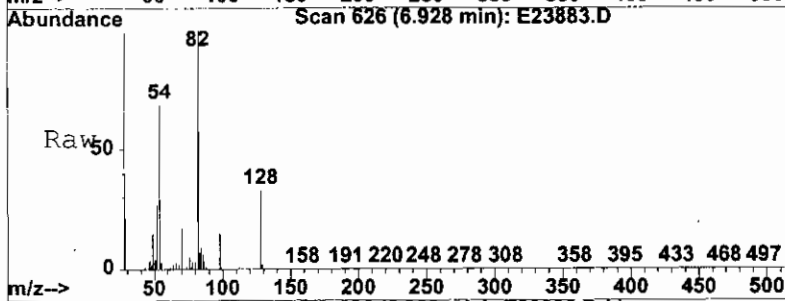
Ion 70.00 (69.50 to 70.50): E238



#19
 Nitrobenzene-d5
 Concen: 84.02 ug/mL
 RT: 6.93 min Scan# 626
 Delta R.T. -0.02 min
 Lab File: E23883.D
 Acq: 13 Apr 2001 12:03 am

Tgt Ion: 82 Resp: 2874444

Ion	Ratio	Lower	Upper
82	100		
54	69.4	24.7	37.1#
128	32.0	1.8	2.6#

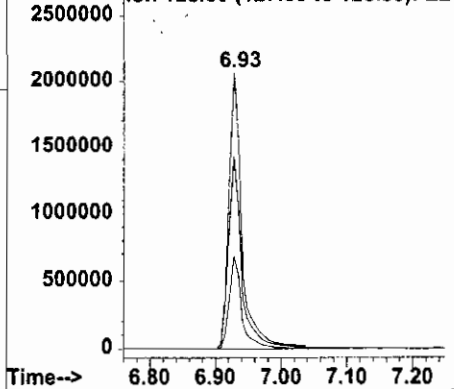
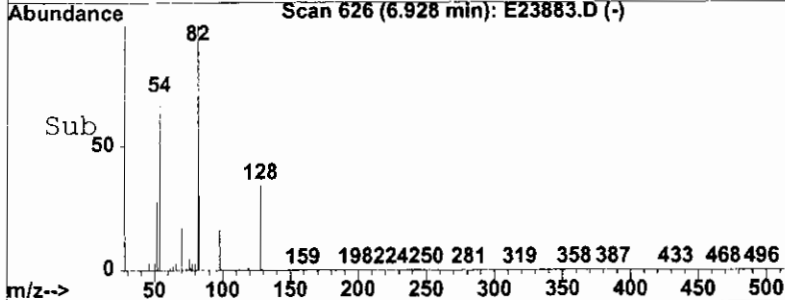


Abundance

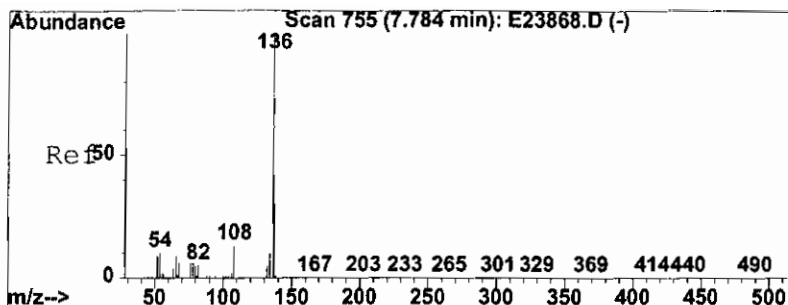
Ion 82.00 (81.50 to 82.50): E238

Ion 54.00 (53.50 to 54.50): E238

Ion 128.00 (127.50 to 128.50): E2

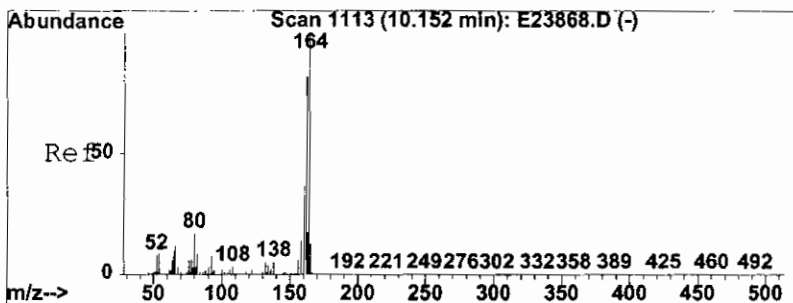
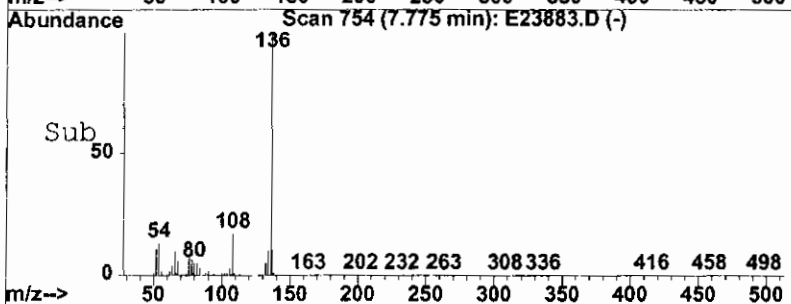
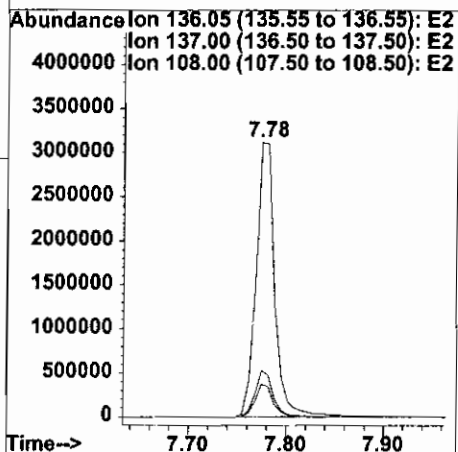
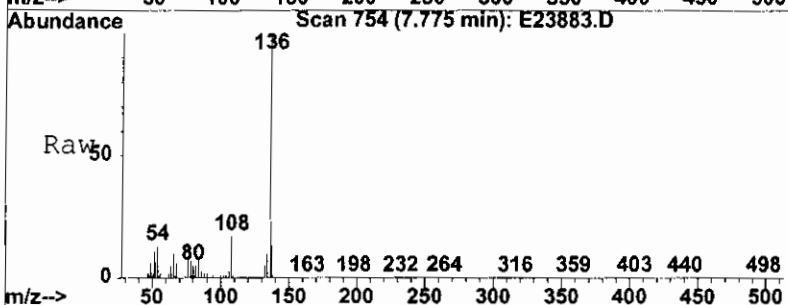


000457



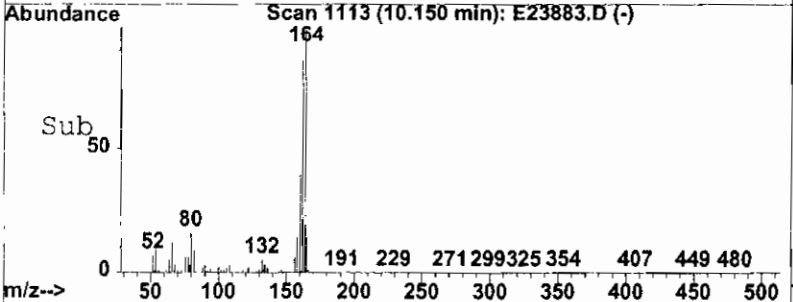
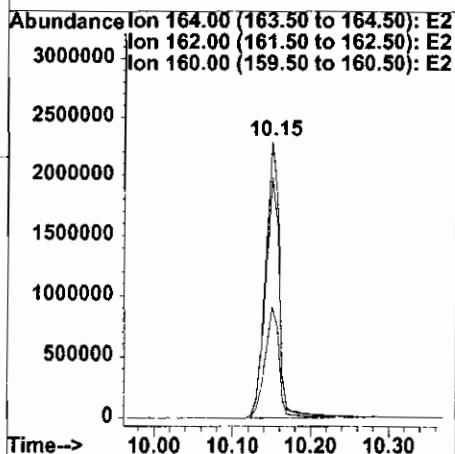
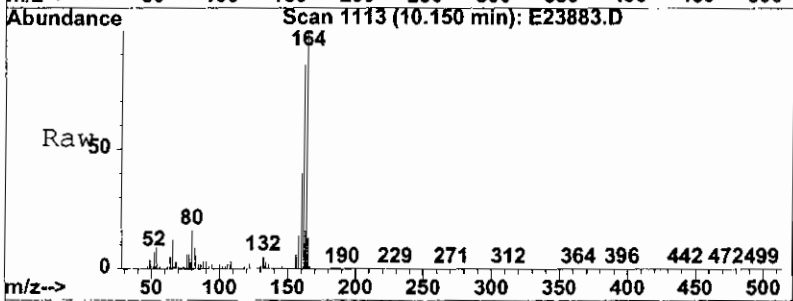
#21
Naphthalene-d8
Concen: 40.00 ug/mL
RT: 7.78 min Scan# 754
Delta R.T. -0.02 min
Lab File: E23883.D
Acq: 13 Apr 2001 12:03 am

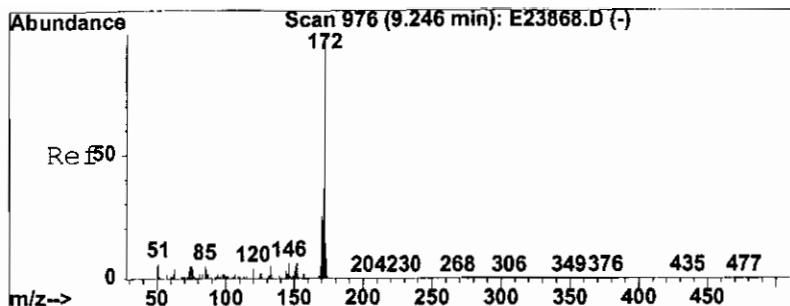
Tgt Ion:136 Resp: 4164845
Ion Ratio Lower Upper
136 100
137 11.5 8.9 13.3
108 16.4 12.8 19.2



#35
Acenaphthene-d10
Concen: 40.00 ug/mL
RT: 10.15 min Scan# 1113
Delta R.T. -0.01 min
Lab File: E23883.D
Acq: 13 Apr 2001 12:03 am

Tgt Ion:164 Resp: 2869773
Ion Ratio Lower Upper
164 100
162 86.5 69.4 104.2
160 38.9 31.8 47.6

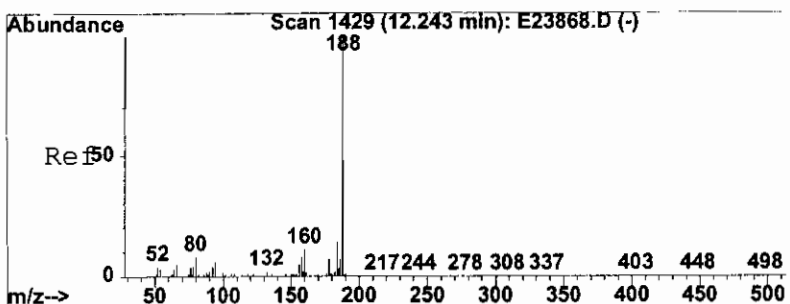
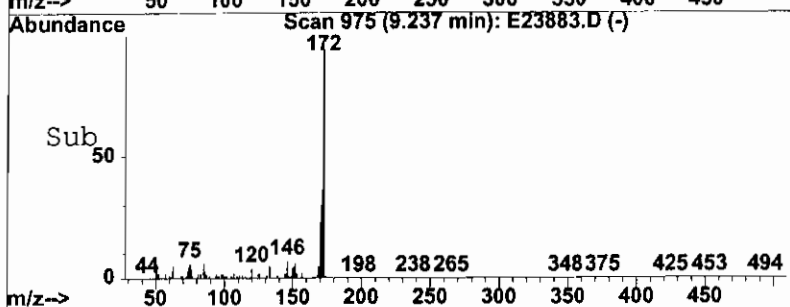
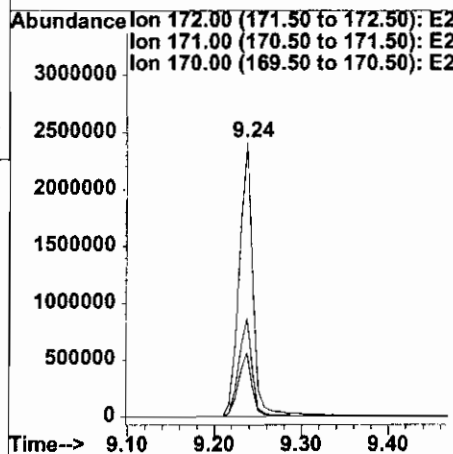
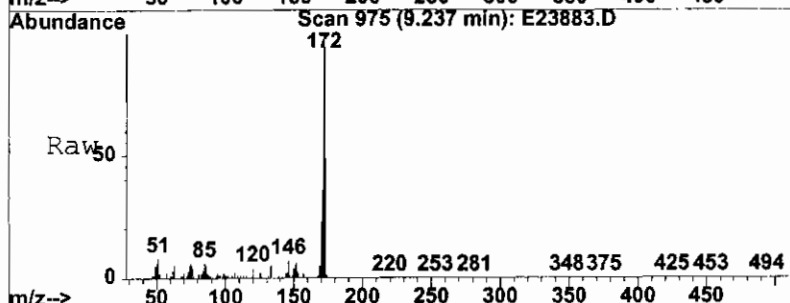




#38
2-Fluorobiphenyl
Concen: 48.21 ug/mL
RT: 9.24 min Scan# 975
Delta R.T. -0.02 min
Lab File: E23883.D
Acq: 13 Apr 2001 12:03 am

Tgt Ion: 172 Resp: 2681513

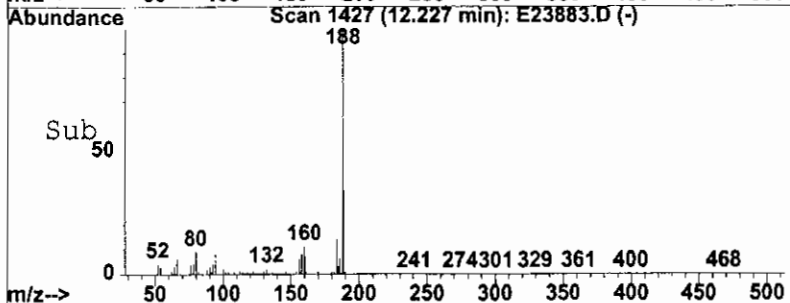
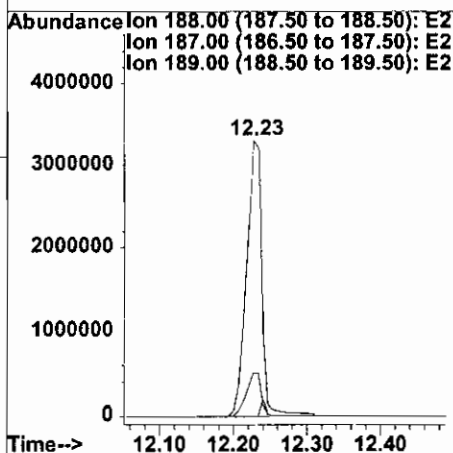
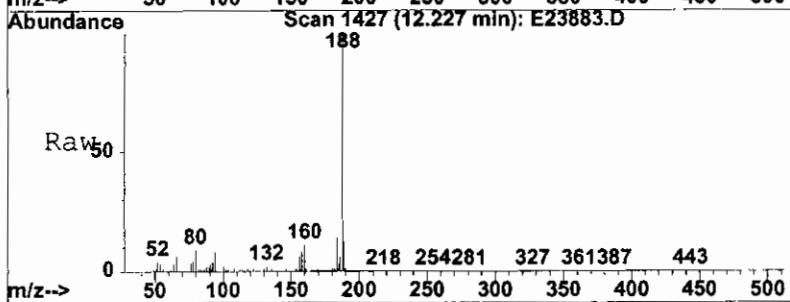
Ion	Ratio	Lower	Upper
172	100		
171	34.6	30.5	45.7
170	22.3	19.3	28.9

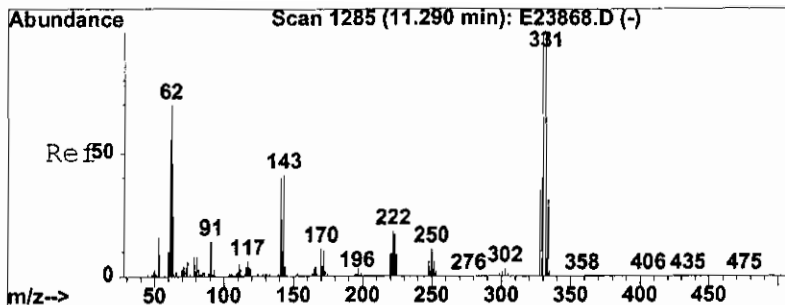


#57
Phenanthrene-d10
Concen: 40.00 ug/mL
RT: 12.23 min Scan# 1427
Delta R.T. -0.03 min
Lab File: E23883.D
Acq: 13 Apr 2001 12:03 am

Tgt Ion: 188 Resp: 4743850

Ion	Ratio	Lower	Upper
188	100		
187	2.1	1.4	2.2
189	15.4	12.5	18.7

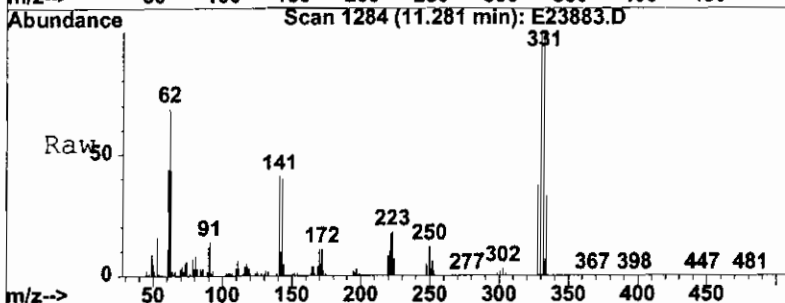




#59
 2,4,6-Tribromophenol
 Concen: 150.03 ug/mL
 RT: 11.28 min Scan# 1284
 Delta R.T. -0.02 min
 Lab File: E23883.D
 Acq: 13 Apr 2001 12:03 am

Tgt Ion: 330 Resp: 1408282

Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.1	114.1
328	35.2	25.8	38.6
334	31.0	23.0	34.6



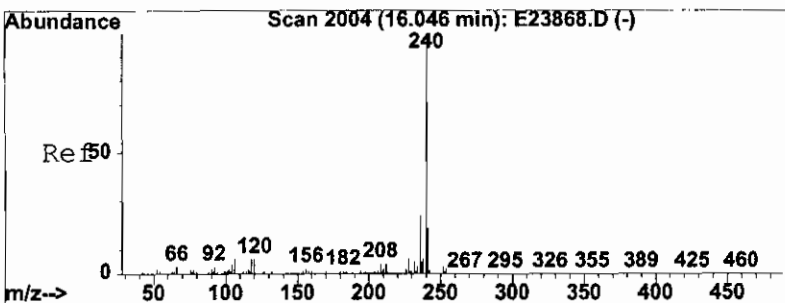
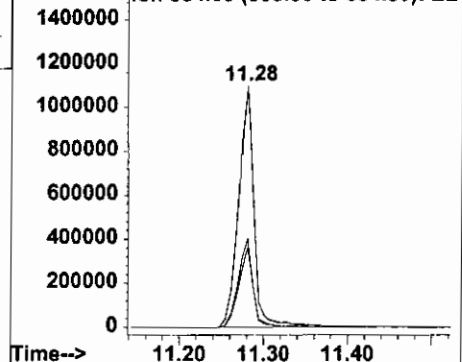
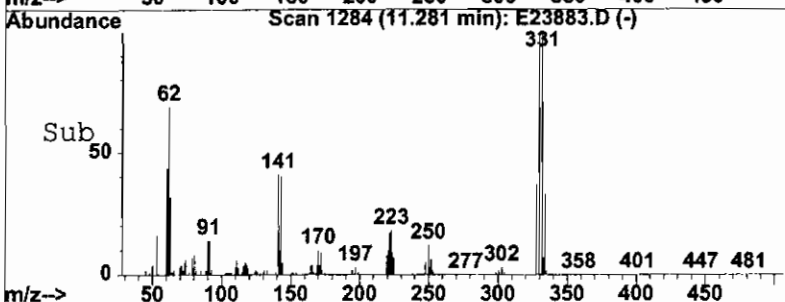
Abundance

Ion 330.00 (329.50 to 330.50): E2

Ion 332.00 (331.50 to 332.50): E2

Ion 328.00 (327.50 to 328.50): E2

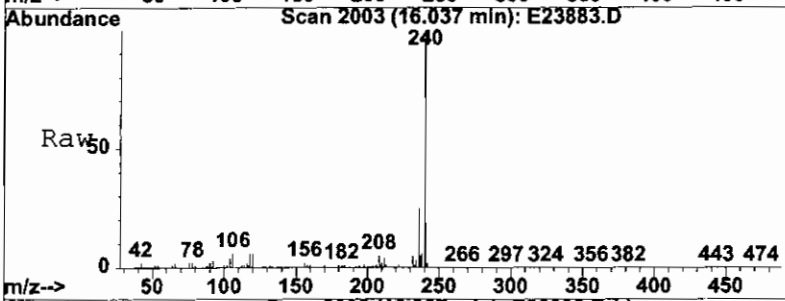
Ion 334.00 (333.50 to 334.50): E2



#69
 Chrysene-d12
 Concen: 40.00 ug/mL
 RT: 16.04 min Scan# 2003
 Delta R.T. -0.02 min
 Lab File: E23883.D
 Acq: 13 Apr 2001 12:03 am

Tgt Ion: 240 Resp: 3840607

Ion	Ratio	Lower	Upper
240	100		
236	25.4	20.1	30.1
241	19.8	15.4	23.0
239	0.1	0.0	0.0#



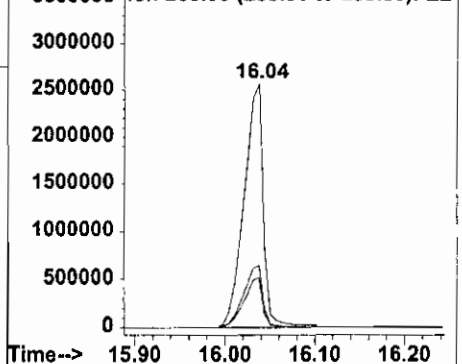
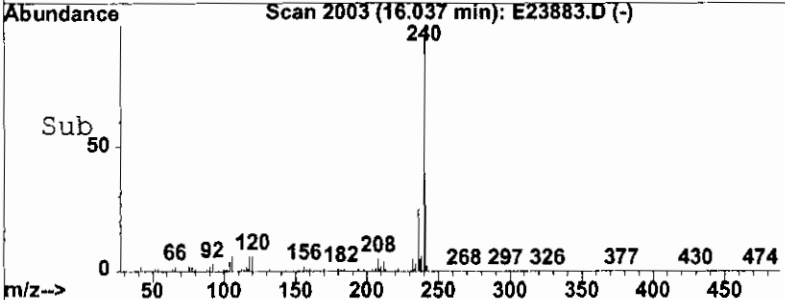
Abundance

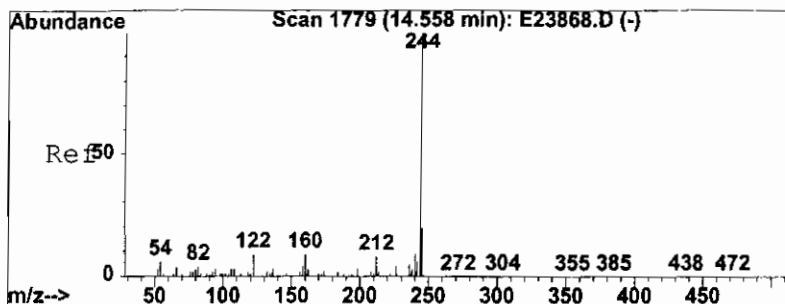
Ion 240.00 (239.50 to 240.50): E2

Ion 236.00 (235.50 to 236.50): E2

Ion 241.00 (240.50 to 241.50): E2

Ion 239.00 (238.50 to 239.50): E2





#70

Terphenyl-d14

Concen: 69.63 ug/mL

RT: 14.56 min Scan# 1779

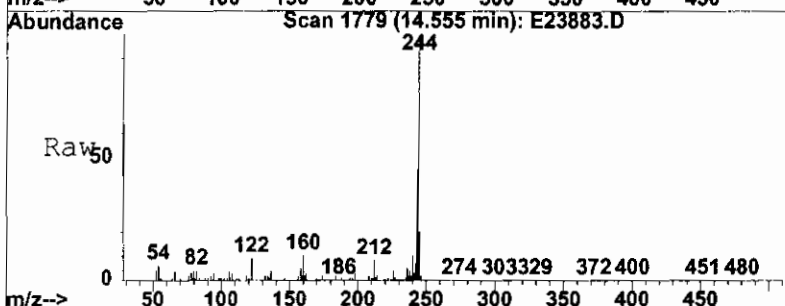
Delta R.T. -0.01 min

Lab File: E23883.D

Acq: 13 Apr 2001 12:03 am

Tgt Ion:244 Resp: 3414078

Ion	Ratio	Lower	Upper
244	100		
243	21.3	0.0	0.0#
245	19.6	16.2	24.4
240	9.6	7.4	11.2



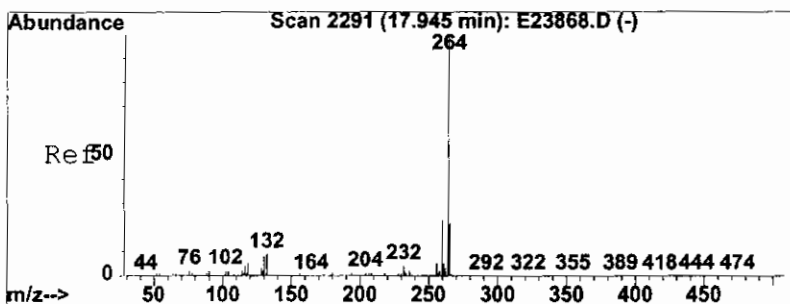
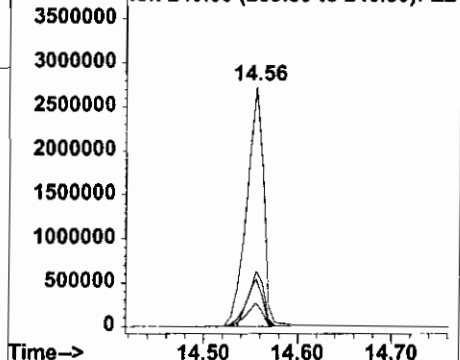
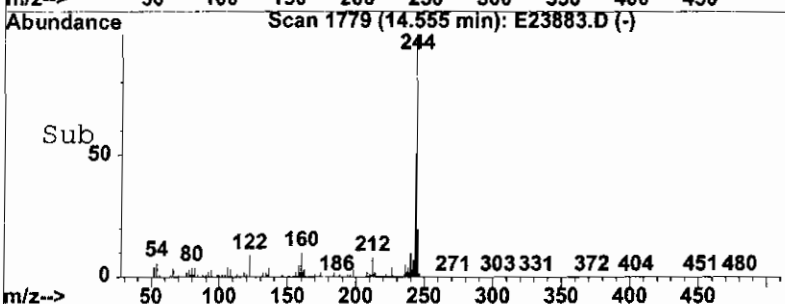
Abundance

Ion 244.00 (243.50 to 244.50): E2

Ion 243.00 (242.50 to 243.50): E2

Ion 245.00 (244.50 to 245.50): E2

Ion 240.00 (239.50 to 240.50): E2



#77

Perylene-d12

Concen: 40.00 ug/mL

RT: 17.94 min Scan# 2291

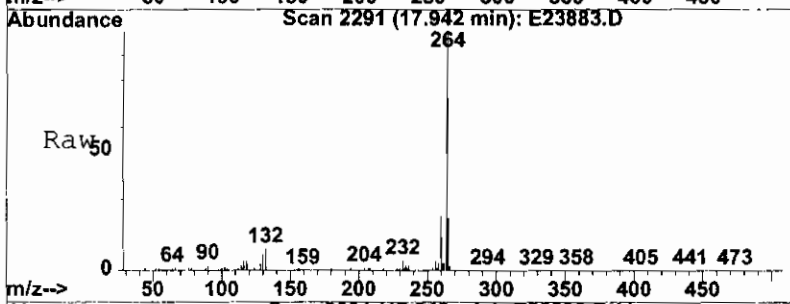
Delta R.T. -0.02 min

Lab File: E23883.D

Acq: 13 Apr 2001 12:03 am

Tgt Ion:264 Resp: 3327633

Ion	Ratio	Lower	Upper
264	100		
260	22.5	18.1	27.1
265	22.0	17.6	26.4

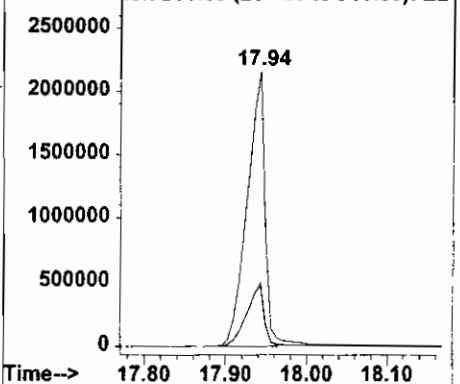
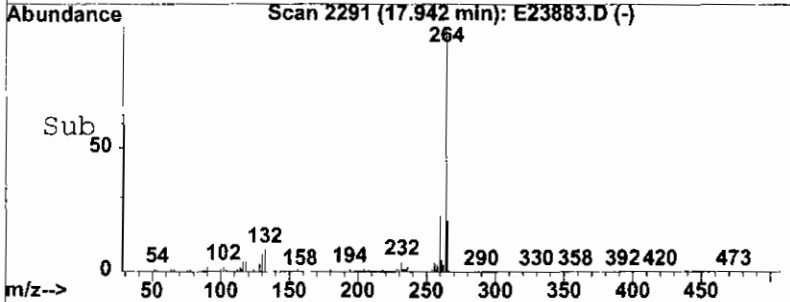


Abundance

Ion 264.00 (263.50 to 264.50): E2

Ion 260.00 (259.50 to 260.50): E2

Ion 265.00 (264.50 to 265.50): E2



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E23884.D
Acq On : 13 Apr 2001 12:33 am
Sample : 01040168-10 \$8270W ASPB 950ML\1ML
Misc : QBSV2041201A
MS Integration Params: rteint.p
Quant Time: Aug 21 15:30 19101

Vial: 23
Operator: RB
Inst : BNA NO 2
Multiplr: 1.05

Quant Results File: BNA2-13.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Fri Apr 13 09:29:39 2001
Response via : Initial Calibration
DataAcq Meth : BNA2-12

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.25	152	1197476	40.00	ug/mL	0.00
21) Naphthalene-d8	7.78	136	3907255	40.00	ug/mL	-0.01
35) Acenaphthene-d10	10.15	164	2648204	40.00	ug/mL	0.00
57) Phenanthrene-d10	12.23	188	3958437	40.00	ug/mL	-0.02
69) Chrysene-d12	16.03	240	3120961	40.00	ug/mL	-0.03
77) Perylene-d12	17.94	264	2950346	40.00	ug/mL	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	4.92	112	2994073	61.02	ug/mL	-0.02
Spiked Amount	200.000	Range	21 - 100	Recovery	=	30.51%
5) Phenol-d5	5.97	99	2864355	42.67	ug/mL	-0.03
Spiked Amount	200.000	Range	10 - 100	Recovery	=	21.34%
19) Nitrobenzene-d5	6.94	82	4750607	71.50	ug/mL	0.00
Spiked Amount	100.000	Range	35 - 114	Recovery	=	71.50%
38) 2-Fluorobiphenyl	9.24	172	4446458	41.35	ug/mL	-0.01
Spiked Amount	100.000	Range	43 - 116	Recovery	=	41.35%#
59) 2,4,6-Tribromophenol	11.28	330	1887550	115.02	ug/mL	-0.02
Spiked Amount	200.000	Range	10 - 123	Recovery	=	57.51%
70) Terphenyl-d14	14.57	244	4379263	52.45	ug/mL	0.00
Spiked Amount	100.000	Range	33 - 141	Recovery	=	52.45%

Target Compounds

Qvalue

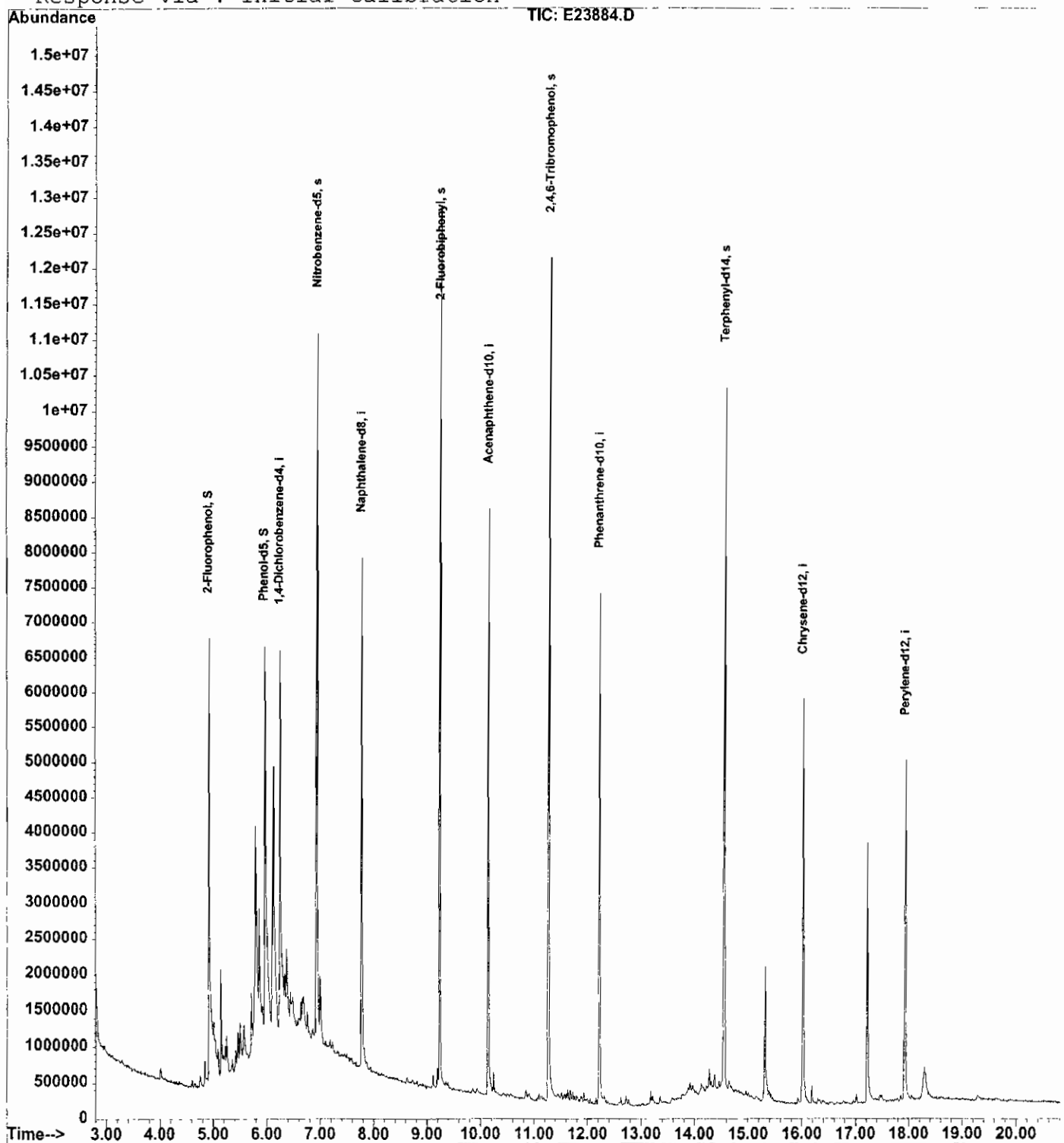
Quantitation Report

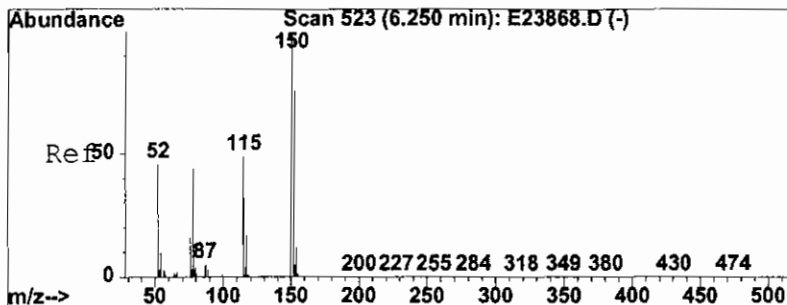
Data File : C:\HPCHEM\1\DATA\E23884.D
 Acq On : 13 Apr 2001 12:33 am
 Sample : 01040168-10 \$8270W ASPB 950ML\1ML
 Misc : QBSV2041201A
 MS Integration Params: rteint.p
 Quant Time: Aug 21 15:30 19101

Vial: 23
 Operator: RB
 Inst : BNA NO 2
 Multiplr: 1.05

Quant Results File: BNA2-13.RES

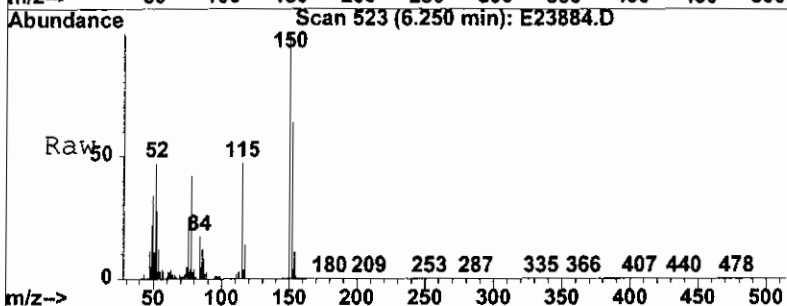
Method : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)
 Title : Semivolatiles by GC/MS - EPA Method 625/8270
 Last Update : Fri Apr 13 09:29:39 2001
 Response via : Initial Calibration





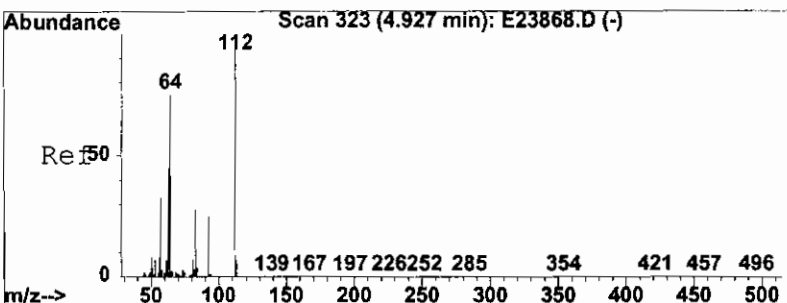
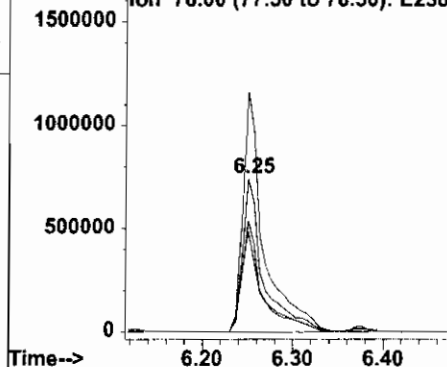
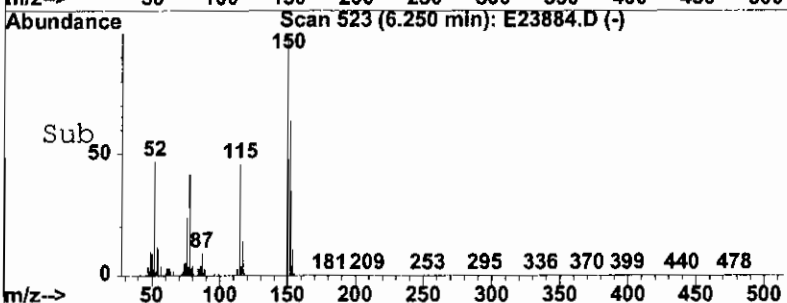
#1
1,4-Dichlorobenzene-d4
Concen: 40.00 ug/mL
RT: 6.25 min Scan# 523
Delta R.T. -0.01 min
Lab File: E23884.D
Acq: 13 Apr 2001 12:33 am

Tgt Ion:152 Resp: 1197476
Ion Ratio Lower Upper
152 100
150 156.7 169.4 254.2#
115 71.4 70.3 105.5
78 65.6 76.0 114.0#



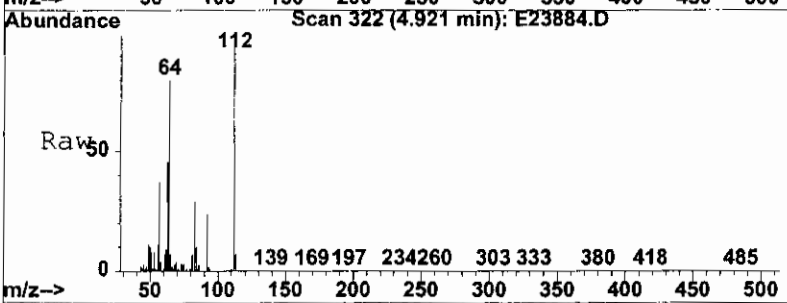
Abundance

Ion 152.00 (151.50 to 152.50): E2
Ion 150.00 (149.50 to 150.50): E2
Ion 115.00 (114.50 to 115.50): E2
Ion 78.00 (77.50 to 78.50): E238



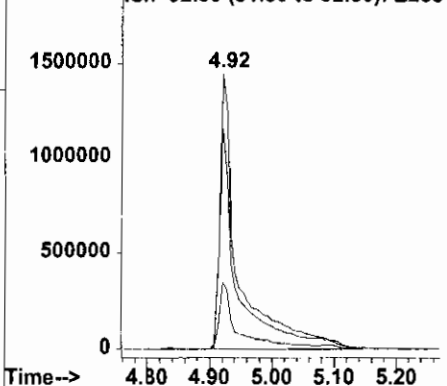
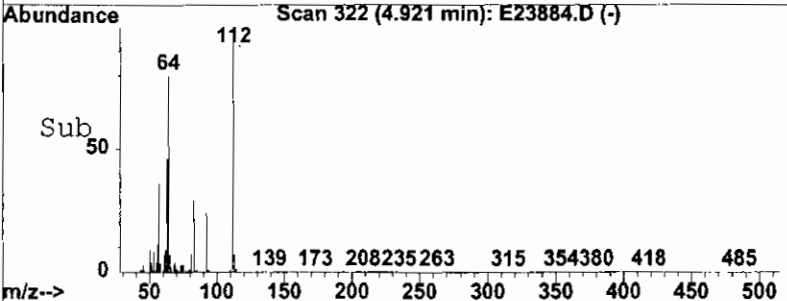
#4
2-Fluorophenol
Concen: 61.02 ug/mL
RT: 4.92 min Scan# 322
Delta R.T. -0.02 min
Lab File: E23884.D
Acq: 13 Apr 2001 12:33 am

Tgt Ion:112 Resp: 2994073
Ion Ratio Lower Upper
112 100
64 78.6 58.7 88.1
92 23.4 18.2 27.2

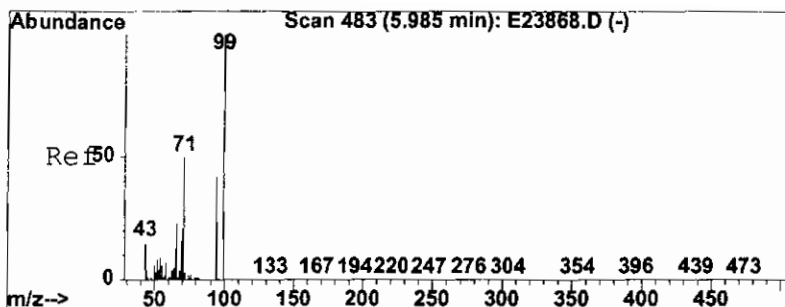


Abundance

Ion 112.00 (111.50 to 112.50): E2
Ion 64.00 (63.50 to 64.50): E238
Ion 92.00 (91.50 to 92.50): E238



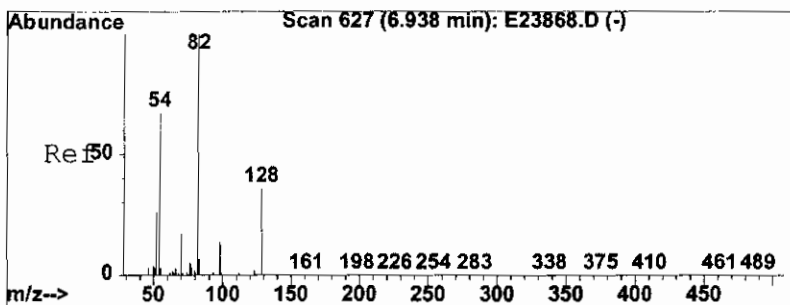
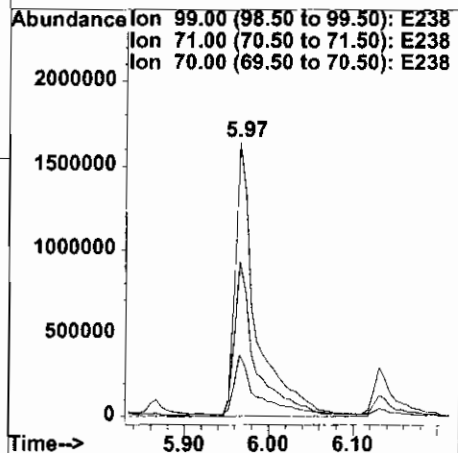
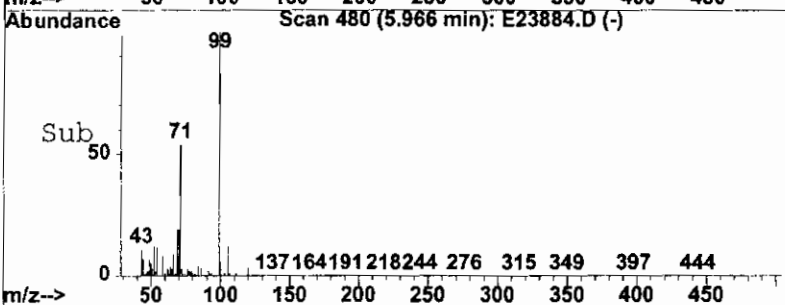
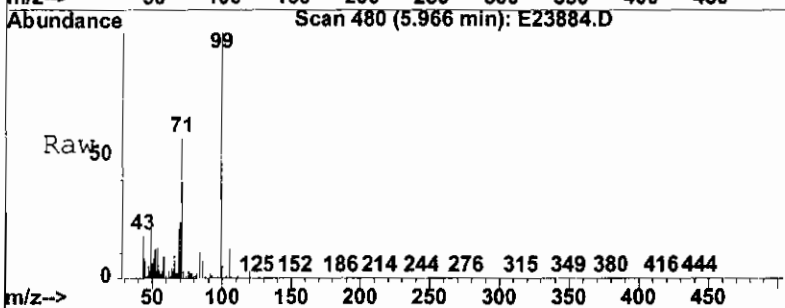
000464



#5
Phenol-d5
Concen: 42.67 ug/mL
RT: 5.97 min Scan# 480
Delta R.T. -0.03 min
Lab File: E23884.D
Acq: 13 Apr 2001 12:33 am

Tgt Ion: 99 Resp: 2864355

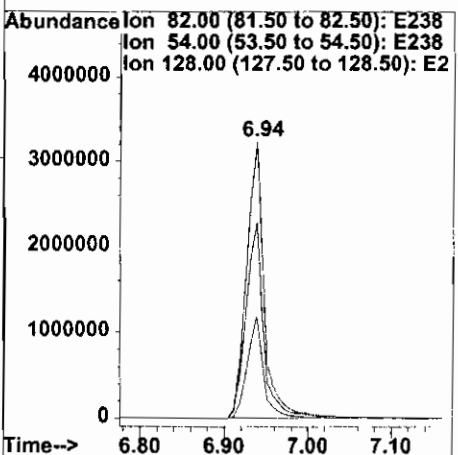
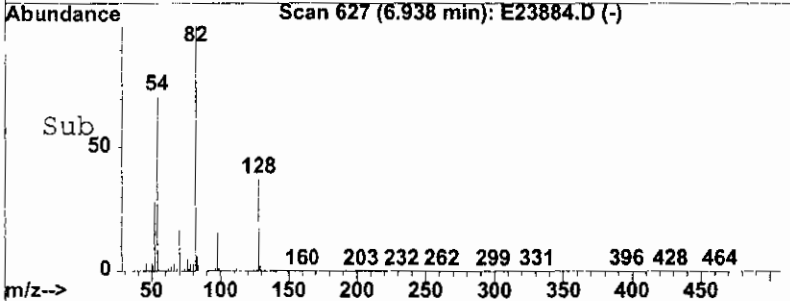
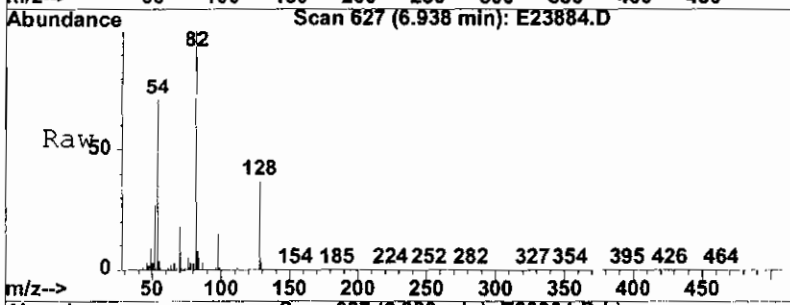
Ion	Ratio	Lower	Upper
99	100		
71	55.6	43.1	64.7
70	23.0	16.6	24.8

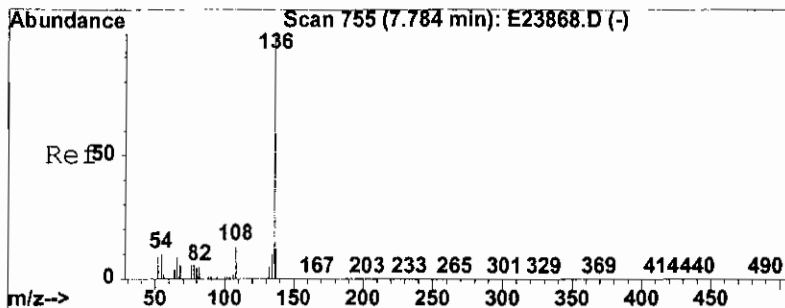


#19
Nitrobenzene-d5
Concen: 71.50 ug/mL
RT: 6.94 min Scan# 627
Delta R.T. -0.01 min
Lab File: E23884.D
Acq: 13 Apr 2001 12:33 am

Tgt Ion: 82 Resp: 4750607

Ion	Ratio	Lower	Upper
82	100		
54	71.4	24.7	37.1#
128	33.8	1.8	2.6#

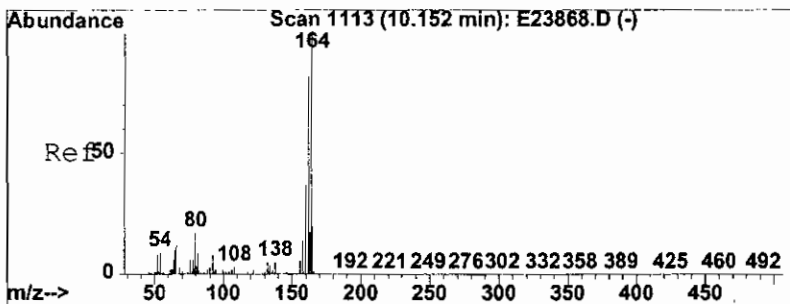
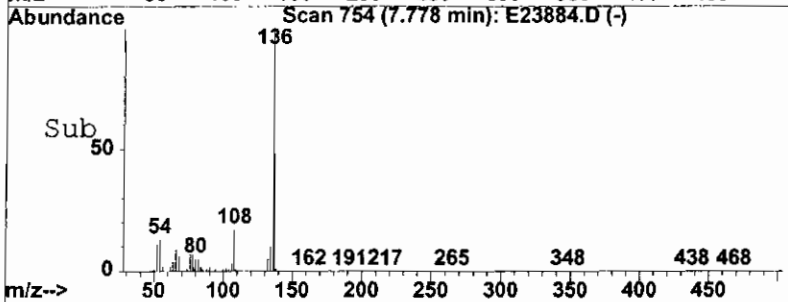
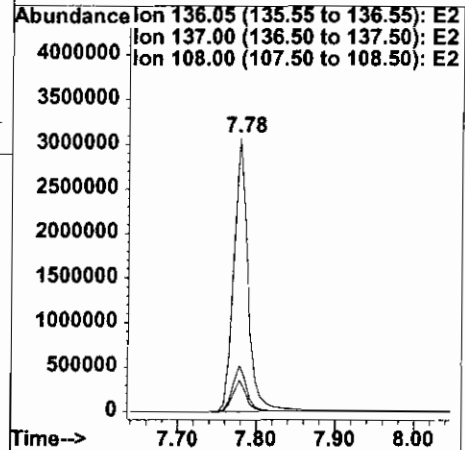
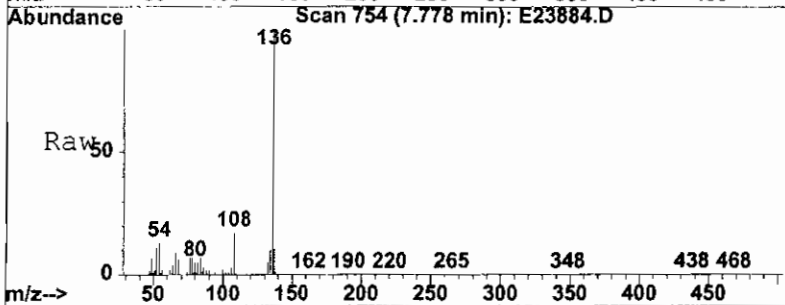




#21
Naphthalene-d8
Concen: 40.00 ug/mL
RT: 7.78 min Scan# 754
Delta R.T. -0.01 min
Lab File: E23884.D
Acq: 13 Apr 2001 12:33 am

Tgt Ion:136 Resp: 3907255

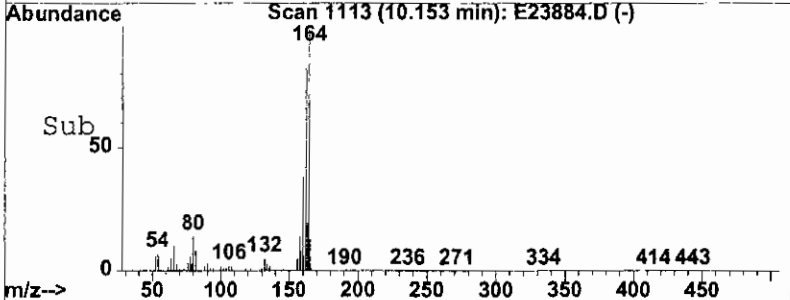
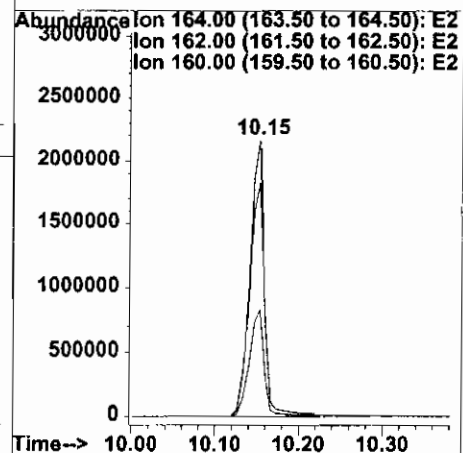
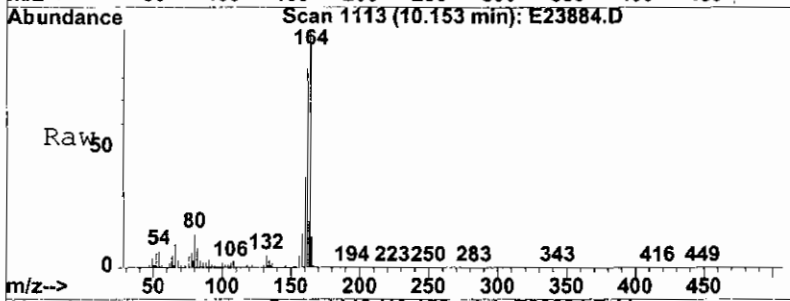
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
108	16.9	12.8	19.2

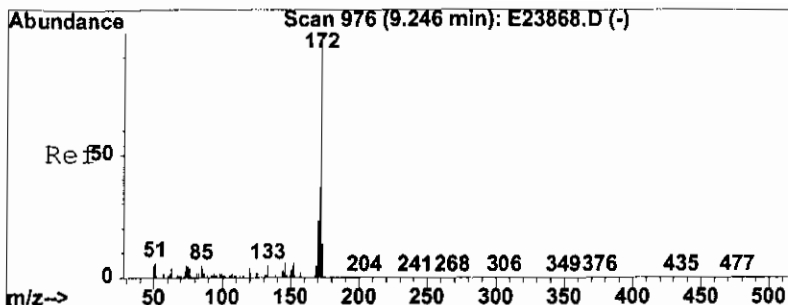


#35
Acenaphthene-d10
Concen: 40.00 ug/mL
RT: 10.15 min Scan# 1113
Delta R.T. -0.01 min
Lab File: E23884.D
Acq: 13 Apr 2001 12:33 am

Tgt Ion:164 Resp: 2648204

Ion	Ratio	Lower	Upper
164	100		
162	85.2	69.4	104.2
160	38.9	31.8	47.6

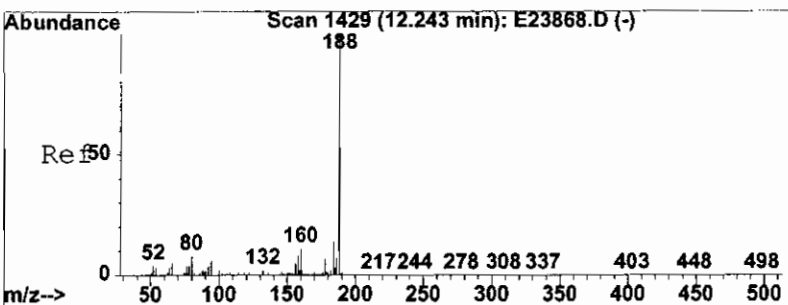
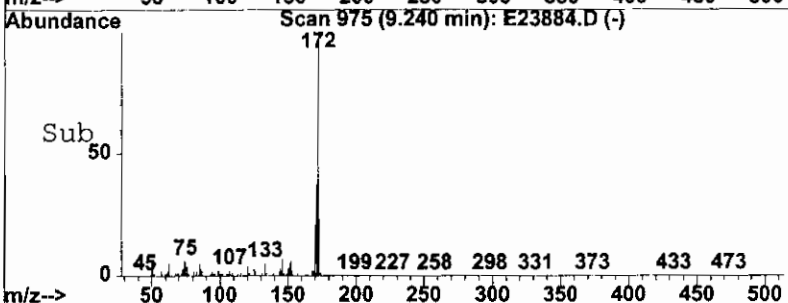
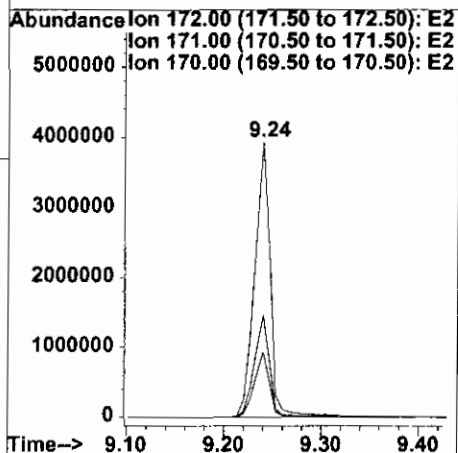
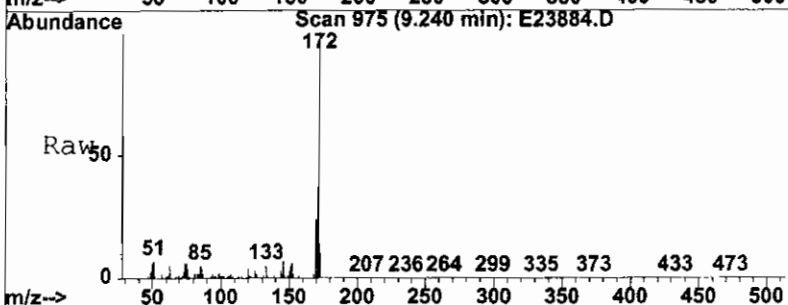




#38
2-Fluorobiphenyl
Concen: 41.35 ug/mL
RT: 9.24 min Scan# 975
Delta R.T. -0.01 min
Lab File: E23884.D
Acq: 13 Apr 2001 12:33 am

Tgt Ion:172 Resp: 4446458

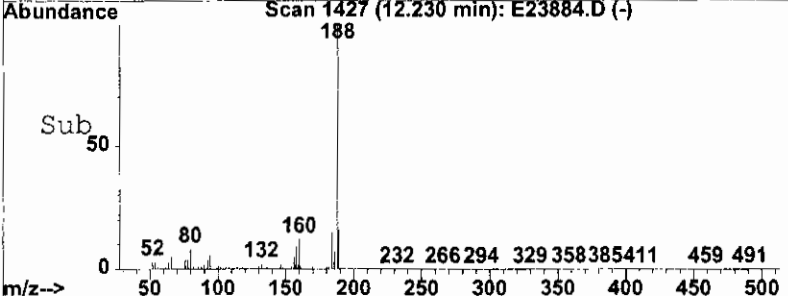
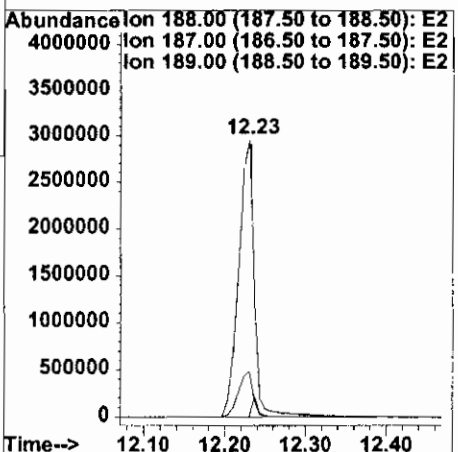
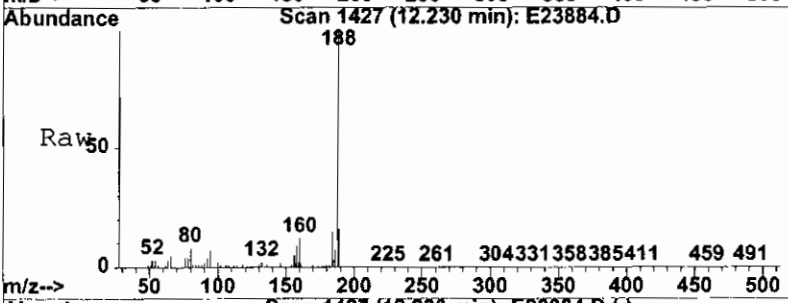
Ion	Ratio	Lower	Upper
172	100		
171	36.7	30.5	45.7
170	22.6	19.3	28.9

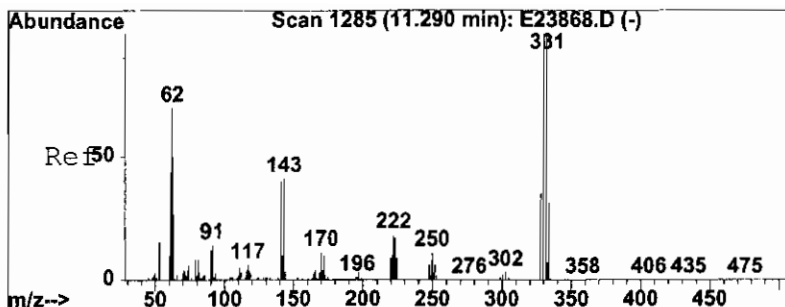


#57
Phenanthrene-d10
Concen: 40.00 ug/mL
RT: 12.23 min Scan# 1427
Delta R.T. -0.02 min
Lab File: E23884.D
Acq: 13 Apr 2001 12:33 am

Tgt Ion:188 Resp: 3958437

Ion	Ratio	Lower	Upper
188	100		
187	2.7	1.4	2.2#
189	15.6	12.5	18.7

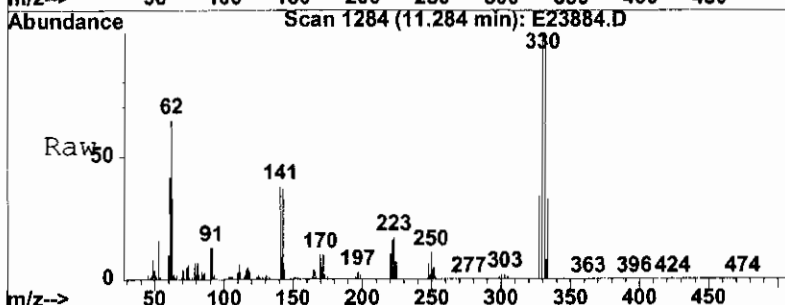




#59
 2,4,6-Tribromophenol
 Concen: 115.02 ug/mL
 RT: 11.28 min Scan# 1284
 Delta R.T. -0.02 min
 Lab File: E23884.D
 Acq: 13 Apr 2001 12:33 am

Tgt Ion: 330 Resp: 1887550

Ion	Ratio	Lower	Upper
330	100		
332	98.2	76.1	114.1
328	33.8	25.8	38.6
334	31.3	23.0	34.6



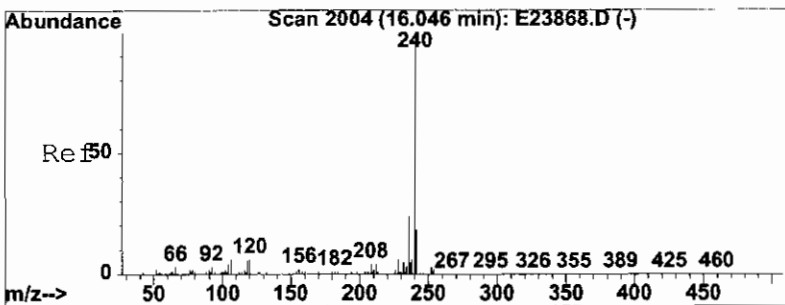
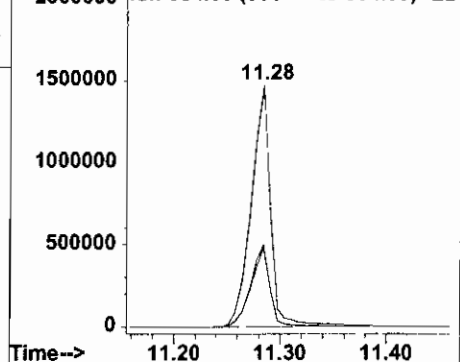
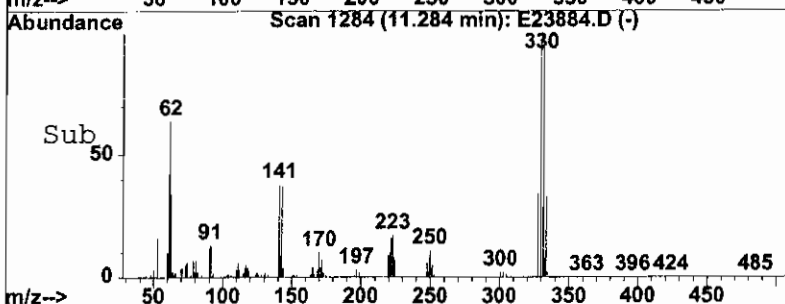
Abundance

Ion 330.00 (329.50 to 330.50): E2

Ion 332.00 (331.50 to 332.50): E2

Ion 328.00 (327.50 to 328.50): E2

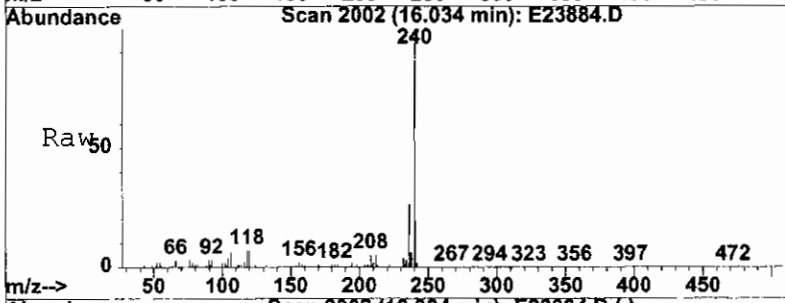
Ion 334.00 (333.50 to 334.50): E2



#69
 Chrysene-d12
 Concen: 40.00 ug/mL
 RT: 16.03 min Scan# 2002
 Delta R.T. -0.03 min
 Lab File: E23884.D
 Acq: 13 Apr 2001 12:33 am

Tgt Ion: 240 Resp: 3120961

Ion	Ratio	Lower	Upper
240	100		
236	25.4	20.1	30.1
241	19.8	15.4	23.0
239	0.0	0.0	0.0#



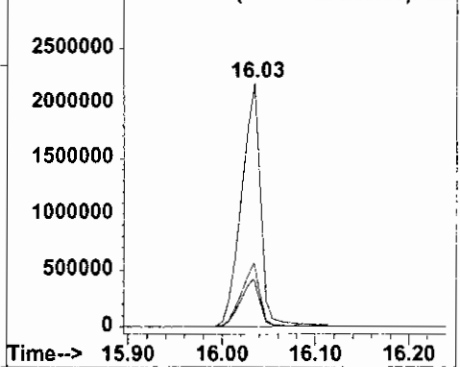
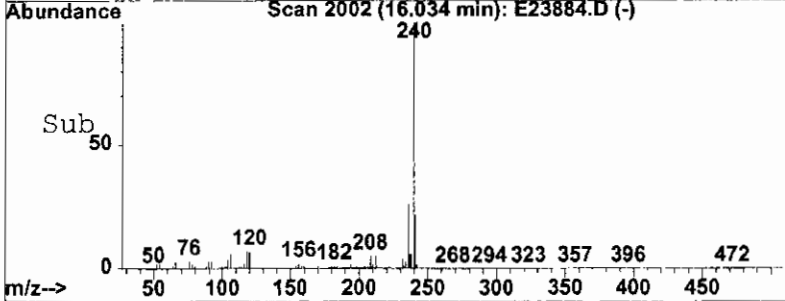
Abundance

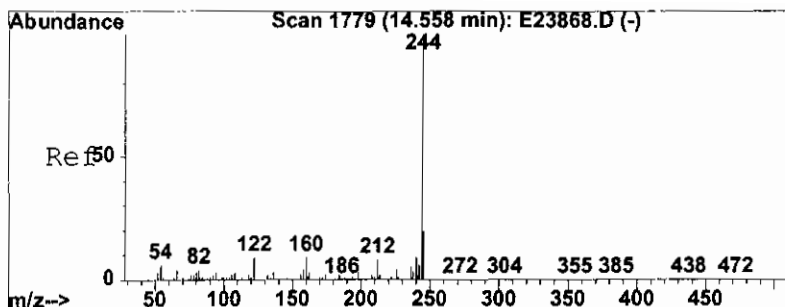
Ion 240.00 (239.50 to 240.50): E2

Ion 236.00 (235.50 to 236.50): E2

Ion 241.00 (240.50 to 241.50): E2

Ion 239.00 (238.50 to 239.50): E2

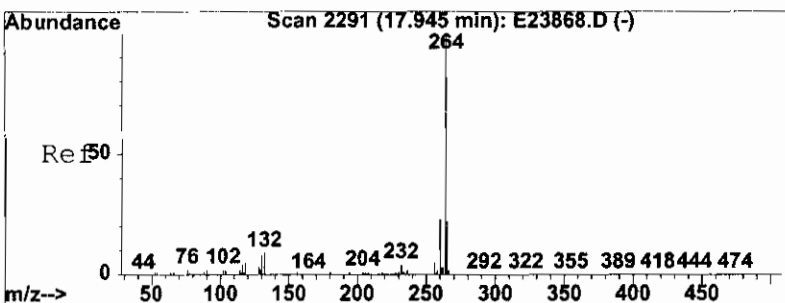
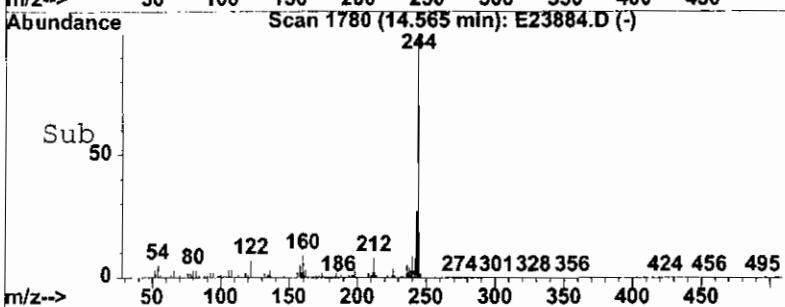
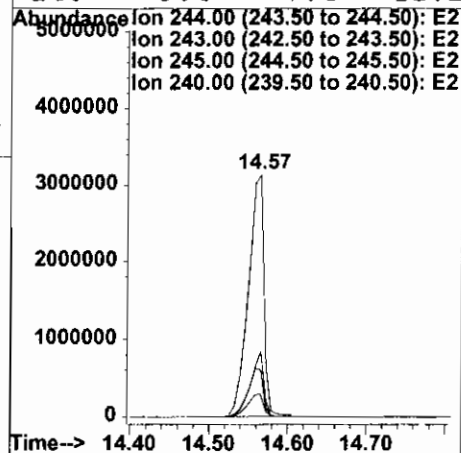
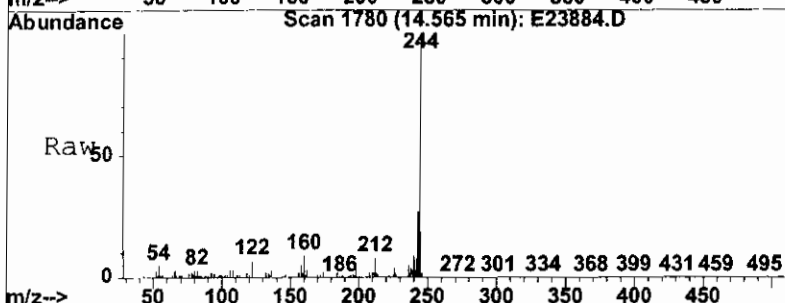




#70
 Terphenyl-d14
 Concen: 52.45 ug/mL
 RT: 14.57 min Scan# 1780
 Delta R.T. -0.00 min
 Lab File: E23884.D
 Acq: 13 Apr 2001 12:33 am

Tgt Ion: 244 Resp: 4379263

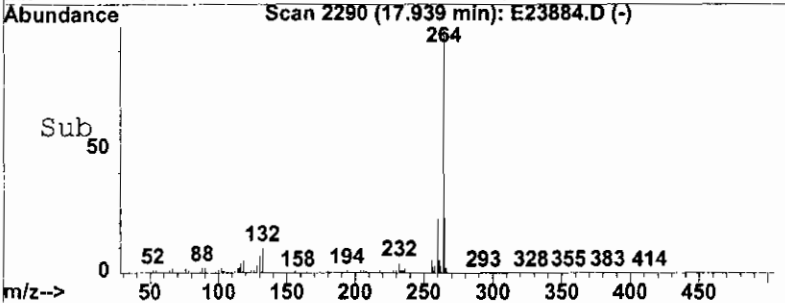
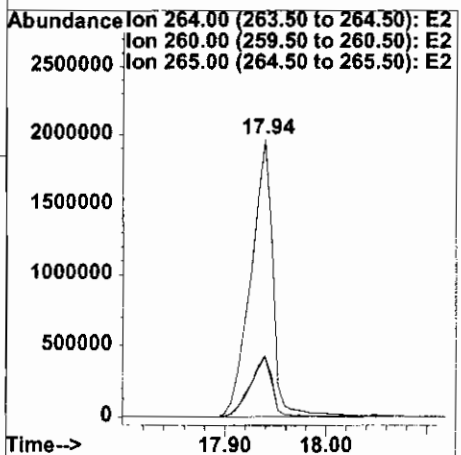
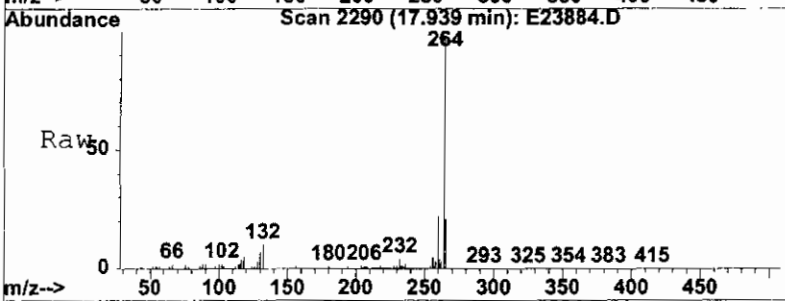
Ion	Ratio	Lower	Upper
244	100		
243	22.1	0.0	0.0#
245	19.7	16.2	24.4
240	9.4	7.4	11.2



#77
 Perylene-d12
 Concen: 40.00 ug/mL
 RT: 17.94 min Scan# 2290
 Delta R.T. -0.02 min
 Lab File: E23884.D
 Acq: 13 Apr 2001 12:33 am

Tgt Ion: 264 Resp: 2950346

Ion	Ratio	Lower	Upper
264	100		
260	22.5	18.1	27.1
265	21.2	17.6	26.4



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E23885.D Vial: 24
Acq On : 13 Apr 2001 1:03 am Operator: RB
Sample : 01040168-11 \$8270W ASPB 950ML\1ML Inst : BNA NO 2
Misc : QBSV2041201A Multiplr: 1.05
MS Integration Params: rteint.p
Quant Time: Aug 21 15:31 19101 Quant Results File: BNA2-13.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Fri Apr 13 09:29:39 2001
Response via : Initial Calibration
DataAcq Meth : BNA2-12

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.25	152	1234417	40.00	ug/mL	0.00
21) Naphthalene-d8	7.78	136	3992070	40.00	ug/mL	-0.01
35) Acenaphthene-d10	10.15	164	2638306	40.00	ug/mL	-0.01
57) Phenanthrene-d10	12.23	188	4038223	40.00	ug/mL	-0.02
69) Chrysene-d12	16.03	240	3394364	40.00	ug/mL	-0.03
77) Perylene-d12	17.94	264	3031519	40.00	ug/mL	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	4.92	112	2805391	55.46	ug/mL	-0.02
Spiked Amount	200.000	Range	21 - 100	Recovery	=	27.73%
5) Phenol-d5	5.97	99	2632761	38.05	ug/mL	-0.03
Spiked Amount	200.000	Range	10 - 100	Recovery	=	19.03%
19) Nitrobenzene-d5	6.94	82	5291771	77.26	ug/mL	0.00
Spiked Amount	100.000	Range	35 - 114	Recovery	=	77.26%
38) 2-Fluorobiphenyl	9.24	172	5102240	47.62	ug/mL	-0.01
Spiked Amount	100.000	Range	43 - 116	Recovery	=	47.62%
59) 2,4,6-Tribromophenol	11.29	330	2466769	147.34	ug/mL	0.00
Spiked Amount	200.000	Range	10 - 123	Recovery	=	73.67%
70) Terphenyl-d14	14.57	244	6591157	72.59	ug/mL	0.00
Spiked Amount	100.000	Range	33 - 141	Recovery	=	72.59%

Target Compounds

Qvalue

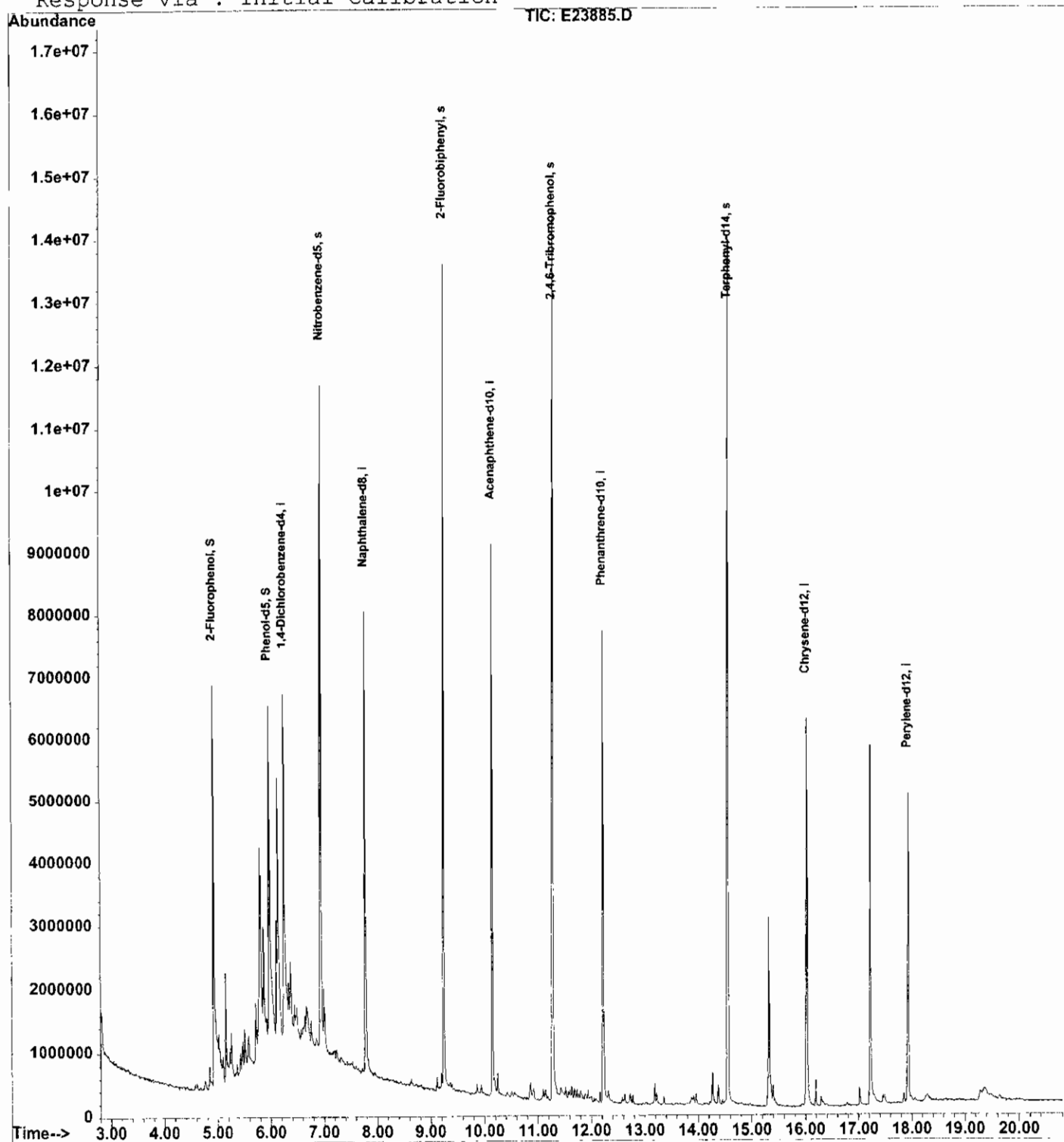
Quantitation Report

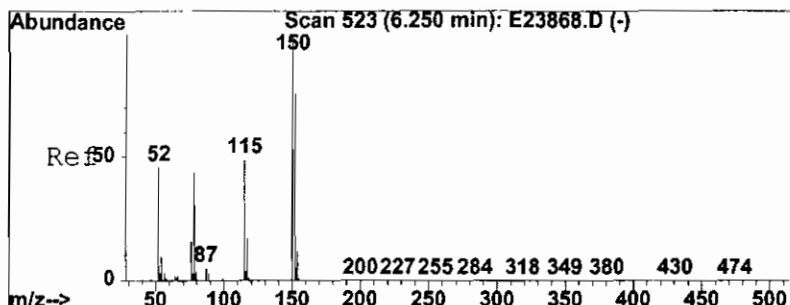
Data File : C:\HPCHEM\1\DATA\E23885.D
 Acq On : 13 Apr 2001 1:03 am
 Sample : 01040168-11 \$8270W ASPB 950ML\1ML
 Misc : QBSV2041201A
 MS Integration Params: rteint.p
 Quant Time: Aug 21 15:31 19101

Vial: 24
 Operator: RB
 Inst : BNA NO 2
 Multiplr: 1.05

Quant Results File: BNA2-13.RES

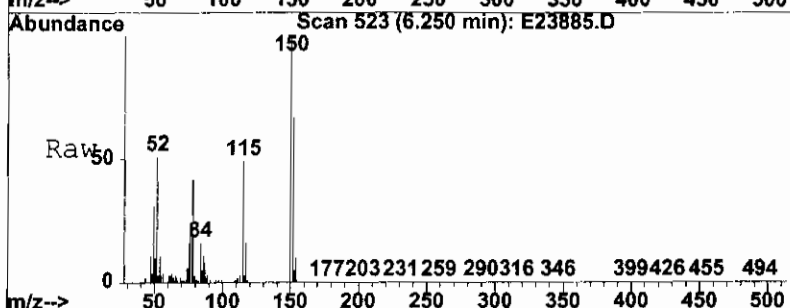
Method : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)
 Title : Semivolatiles by GC/MS - EPA Method 625/8270
 Last Update : Fri Apr 13 09:29:39 2001
 Response via : Initial Calibration



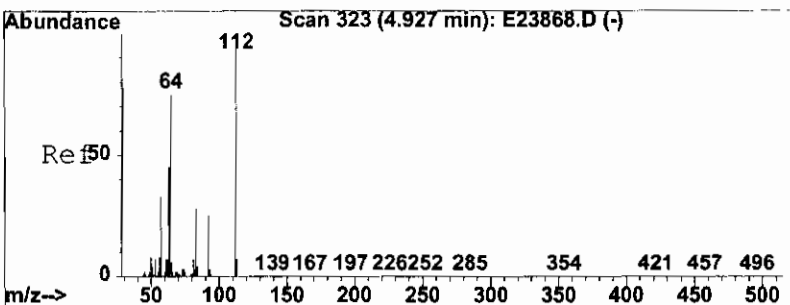
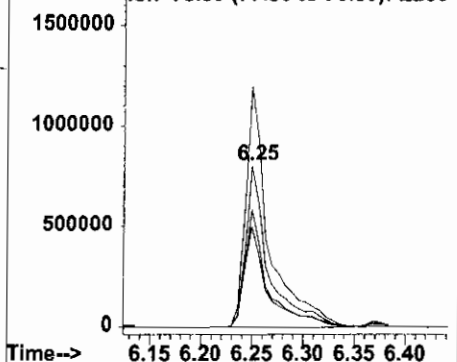
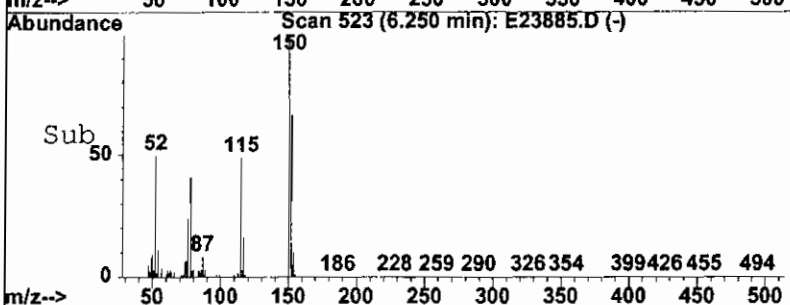


#1
 1,4-Dichlorobenzene-d4
 Concen: 40.00 ug/mL
 RT: 6.25 min Scan# 523
 Delta R.T. -0.01 min
 Lab File: E23885.D
 Acq: 13 Apr 2001 1:03 am

Tgt Ion:152 Resp: 1234417
 Ion Ratio Lower Upper
 152 100
 150 151.9 169.4 254.2#
 115 71.3 70.3 105.5
 78 64.0 76.0 114.0#

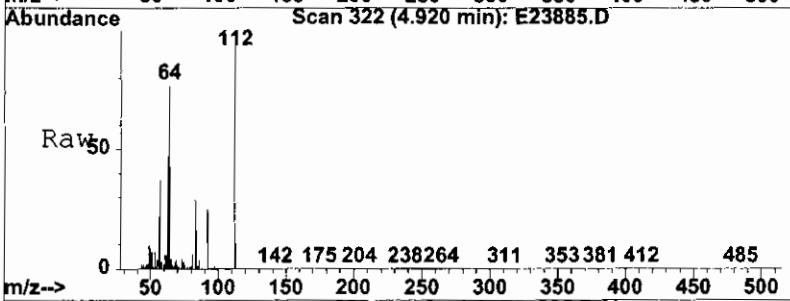


Abundance Ion 152.00 (151.50 to 152.50): E2
 Ion 150.00 (149.50 to 150.50): E2
 Ion 115.00 (114.50 to 115.50): E2
 Ion 78.00 (77.50 to 78.50): E238

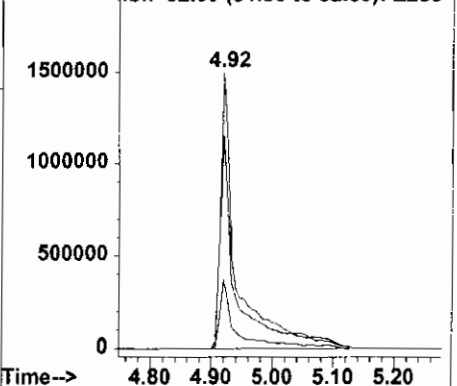
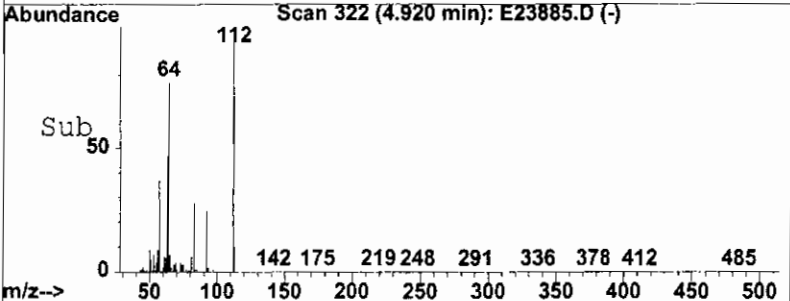


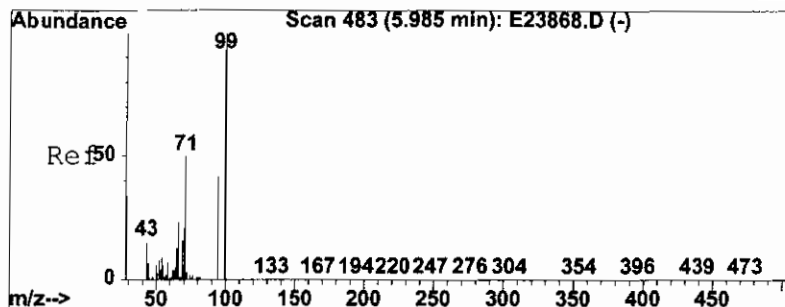
#4
 2-Fluorophenol
 Concen: 55.46 ug/mL
 RT: 4.92 min Scan# 322
 Delta R.T. -0.02 min
 Lab File: E23885.D
 Acq: 13 Apr 2001 1:03 am

Tgt Ion:112 Resp: 2805391
 Ion Ratio Lower Upper
 112 100
 64 78.3 58.7 88.1
 92 22.7 18.2 27.2



Abundance Ion 112.00 (111.50 to 112.50): E2
 Ion 64.00 (63.50 to 64.50): E238
 Ion 92.00 (91.50 to 92.50): E238

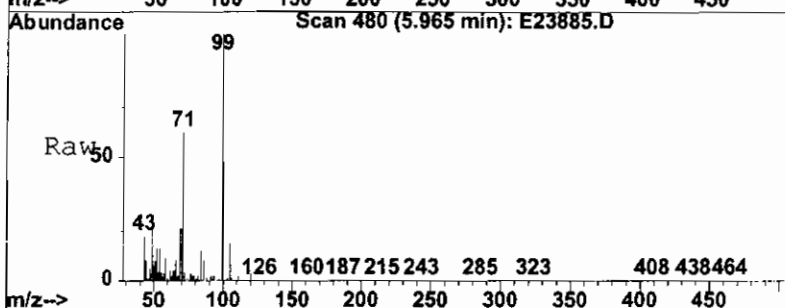




#5
 Phenol-d5
 Concen: 38.05 ug/mL
 RT: 5.97 min Scan# 480
 Delta R.T. -0.03 min
 Lab File: E23885.D
 Acq: 13 Apr 2001 1:03 am

Tgt Ion: 99 Resp: 2632761

Ion	Ratio	Lower	Upper
99	100		
71	56.3	43.1	64.7
70	23.7	16.6	24.8

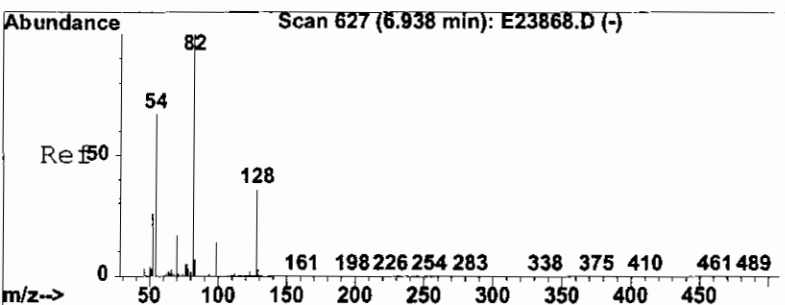
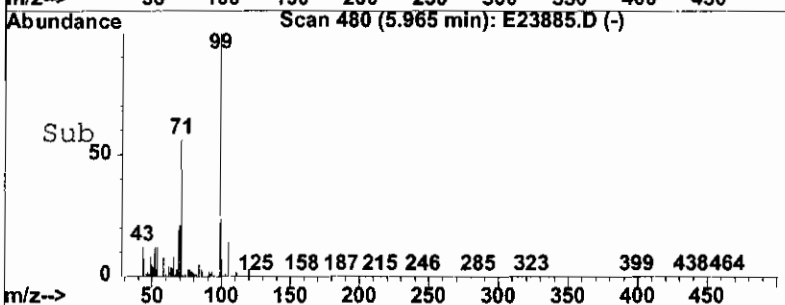
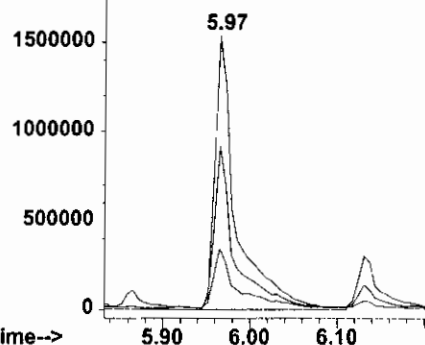


Abundance

Ion 99.00 (98.50 to 99.50): E238

Ion 71.00 (70.50 to 71.50): E238

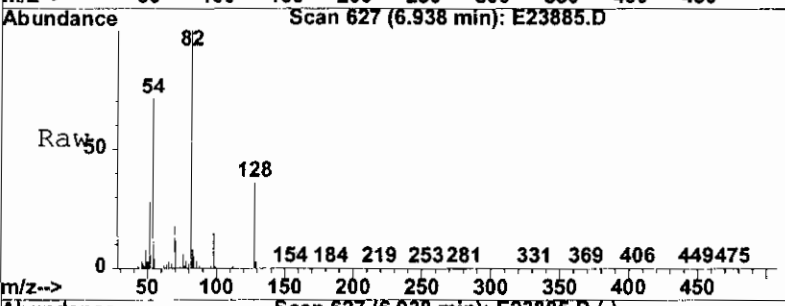
Ion 70.00 (69.50 to 70.50): E238



#19
 Nitrobenzene-d5
 Concen: 77.26 ug/mL
 RT: 6.94 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: E23885.D
 Acq: 13 Apr 2001 1:03 am

Tgt Ion: 82 Resp: 5291771

Ion	Ratio	Lower	Upper
82	100		
54	71.1	24.7	37.1#
128	34.4	1.8	2.6#

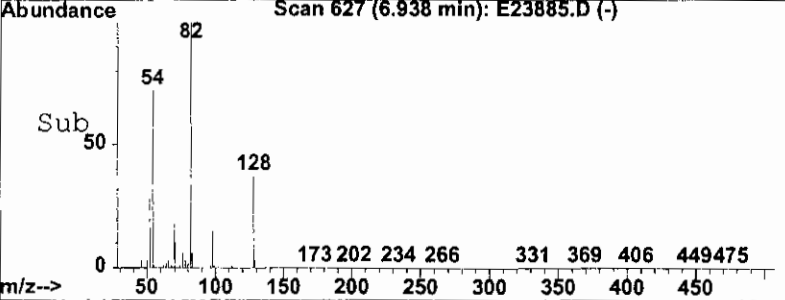
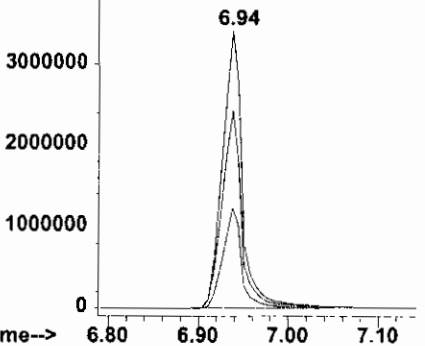


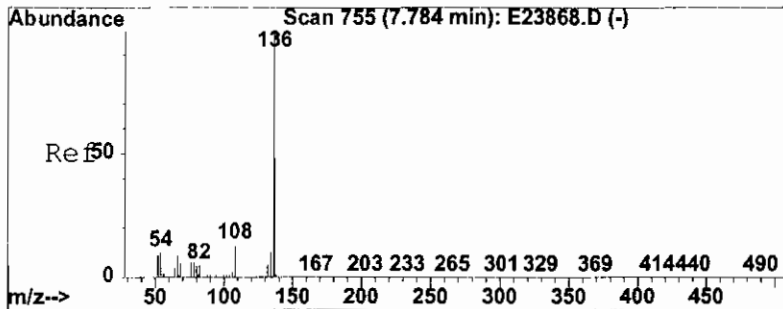
Abundance

Ion 82.00 (81.50 to 82.50): E238

Ion 54.00 (53.50 to 54.50): E238

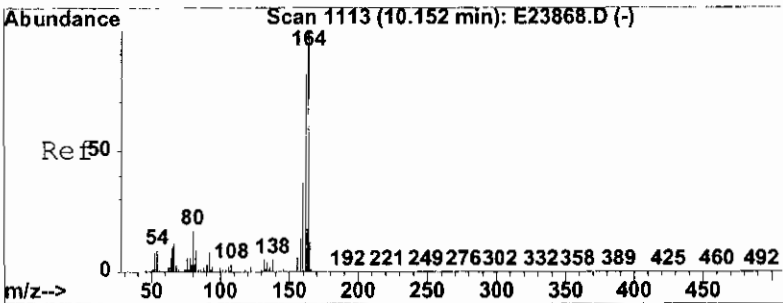
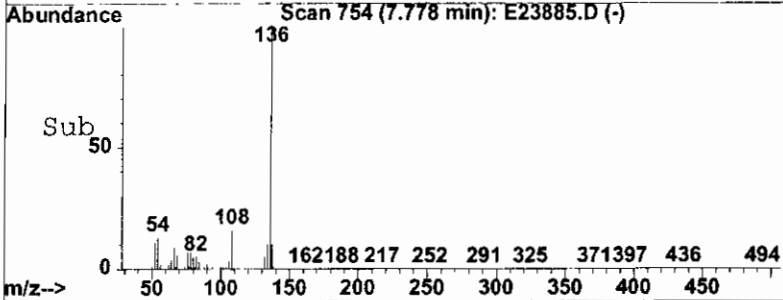
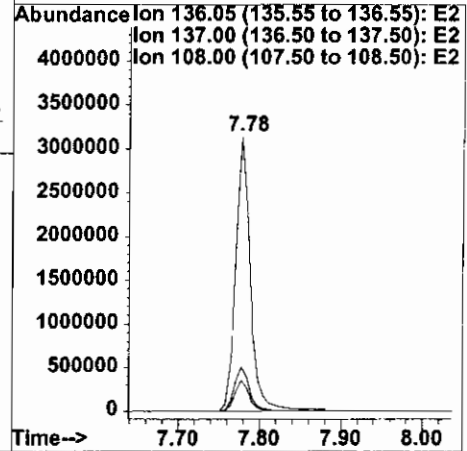
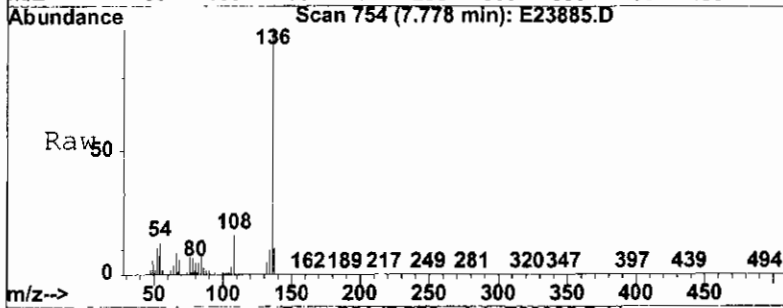
Ion 128.00 (127.50 to 128.50): E2





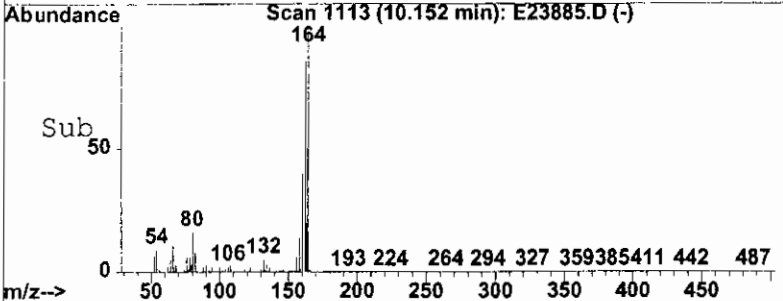
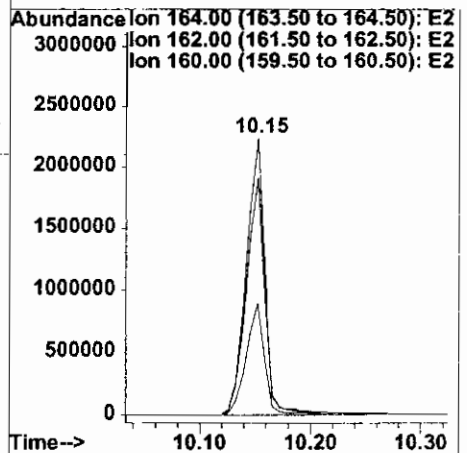
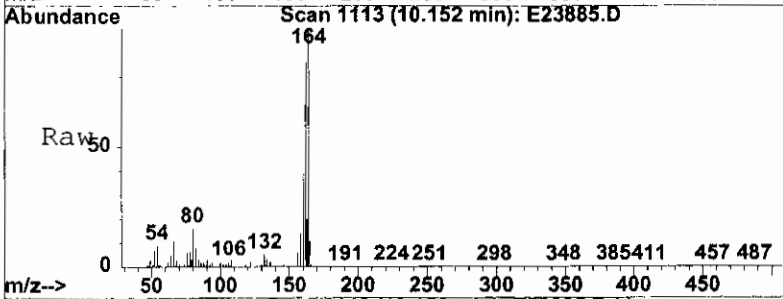
#21
Naphthalene-d8
Concen: 40.00 ug/mL
RT: 7.78 min Scan# 754
Delta R.T. -0.01 min
Lab File: E23885.D
Acq: 13 Apr 2001 1:03 am

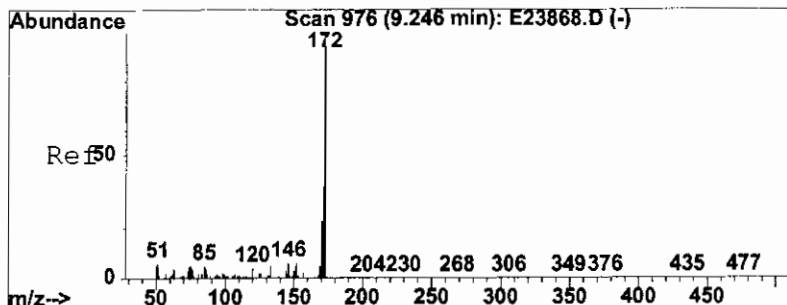
Tgt Ion:136 Resp: 3992070
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
108 16.5 12.8 19.2



#35
Acenaphthene-d10
Concen: 40.00 ug/mL
RT: 10.15 min Scan# 1113
Delta R.T. -0.01 min
Lab File: E23885.D
Acq: 13 Apr 2001 1:03 am

Tgt Ion:164 Resp: 2638306
Ion Ratio Lower Upper
164 100
162 85.3 69.4 104.2
160 39.5 31.8 47.6

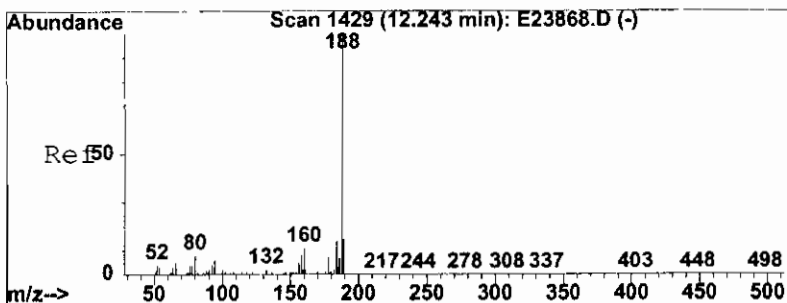
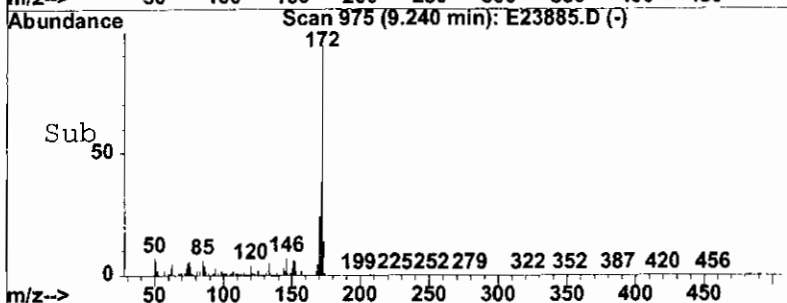
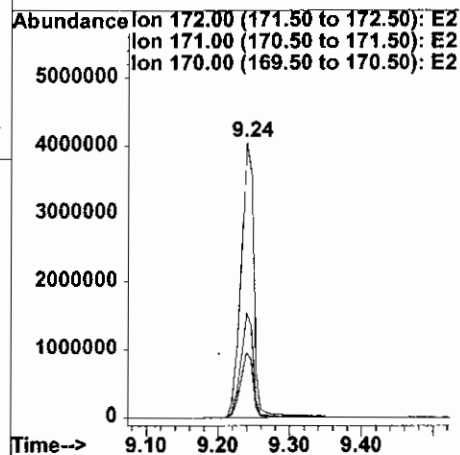
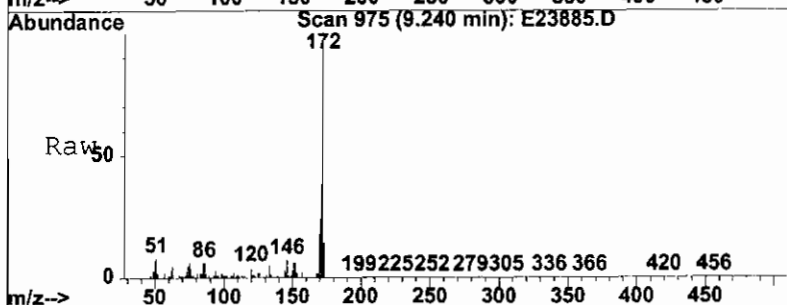




#38
2-Fluorobiphenyl
Concen: 47.62 ug/mL
RT: 9.24 min Scan# 975
Delta R.T. -0.01 min
Lab File: E23885.D
Acq: 13 Apr 2001 1:03 am

Tgt Ion: 172 Resp: 5102240

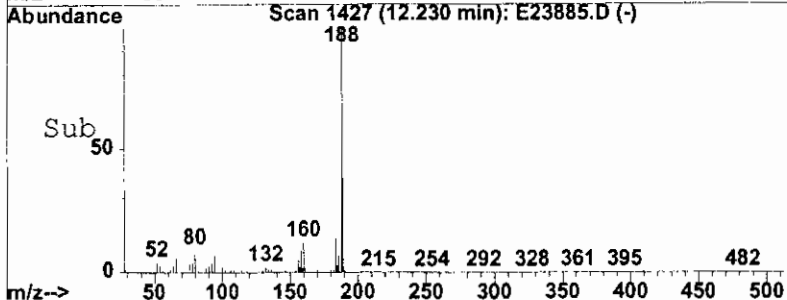
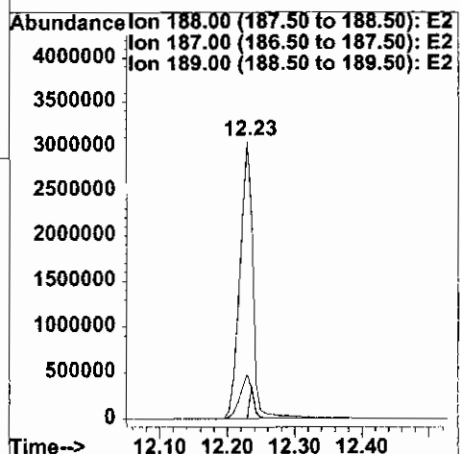
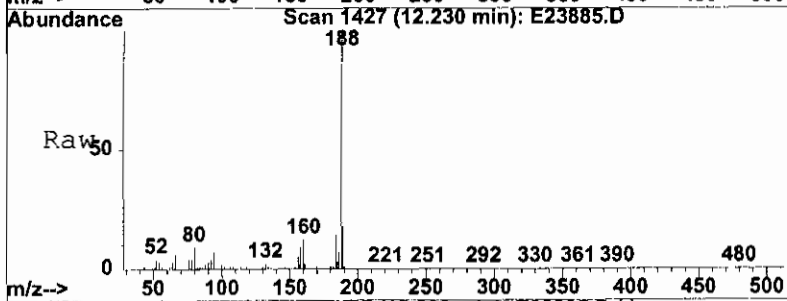
Ion	Ratio	Lower	Upper
172	100		
171	37.1	30.5	45.7
170	23.1	19.3	28.9

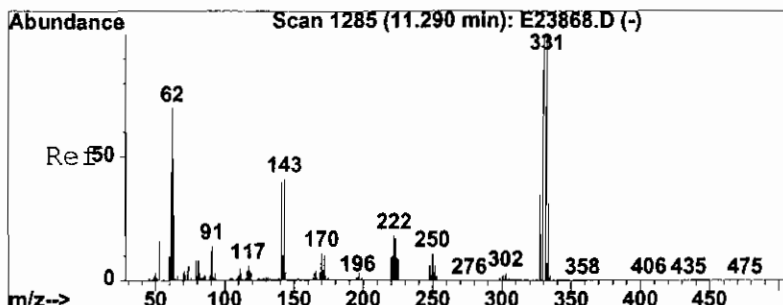


#57
Phenanthrene-d10
Concen: 40.00 ug/mL
RT: 12.23 min Scan# 1427
Delta R.T. -0.02 min
Lab File: E23885.D
Acq: 13 Apr 2001 1:03 am

Tgt Ion: 188 Resp: 4038223

Ion	Ratio	Lower	Upper
188	100		
187	4.7	1.4	2.2#
189	14.8	12.5	18.7





#59

2,4,6-Tribromophenol

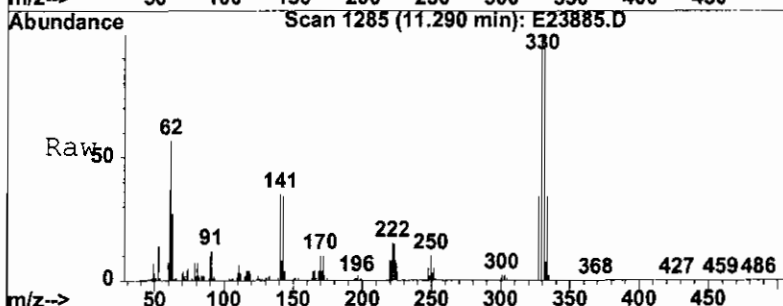
Concen: 147.34 ug/mL

RT: 11.29 min Scan# 1285

Delta R.T. -0.01 min

Lab File: E23885.D

Acq: 13 Apr 2001 1:03 am



Tgt Ion: 330 Resp: 2466769

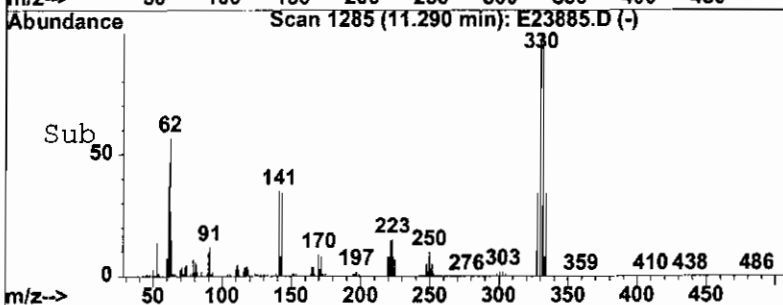
Ion Ratio Lower Upper

330 100

332 97.9 76.1 114.1

328 34.5 25.8 38.6

334 31.9 23.0 34.6



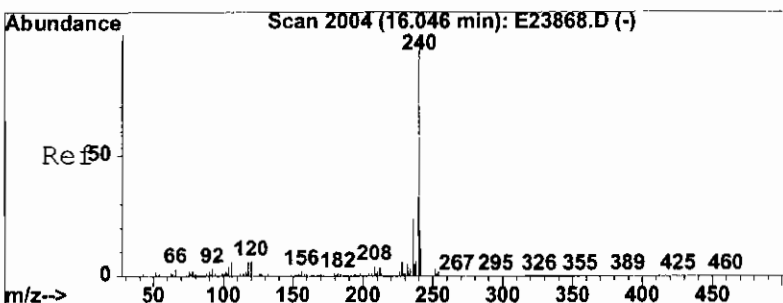
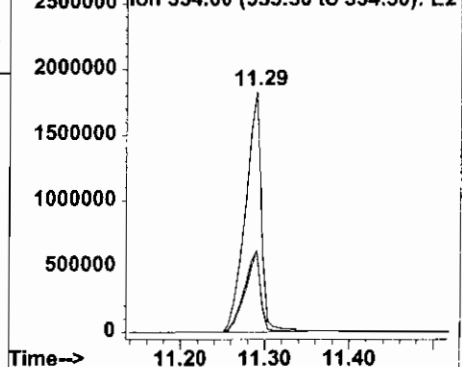
Abundance

Ion 330.00 (329.50 to 330.50): E2

Ion 332.00 (331.50 to 332.50): E2

Ion 328.00 (327.50 to 328.50): E2

Ion 334.00 (333.50 to 334.50): E2



#69

Chrysene-d12

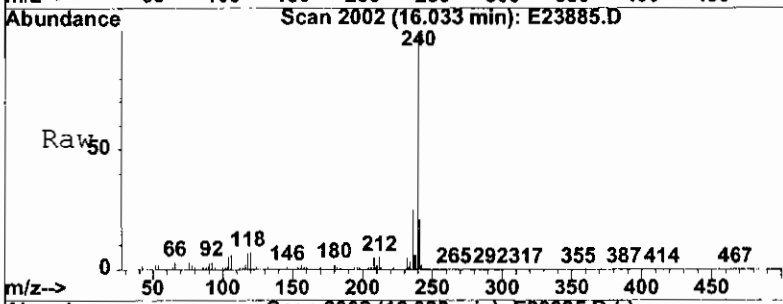
Concen: 40.00 ug/mL

RT: 16.03 min Scan# 2002

Delta R.T. -0.03 min

Lab File: E23885.D

Acq: 13 Apr 2001 1:03 am



Tgt Ion: 240 Resp: 3394364

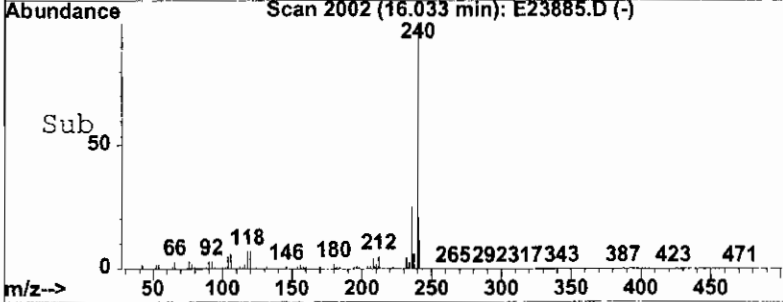
Ion Ratio Lower Upper

240 100

236 25.7 20.1 30.1

241 19.6 15.4 23.0

239 0.0 0.0 0.0#



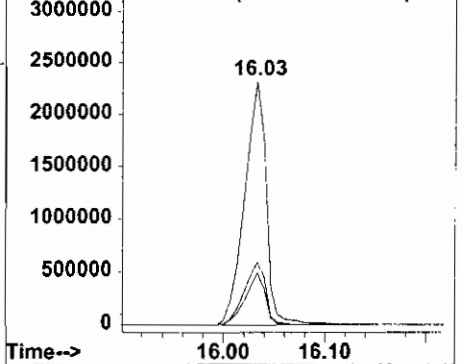
Abundance

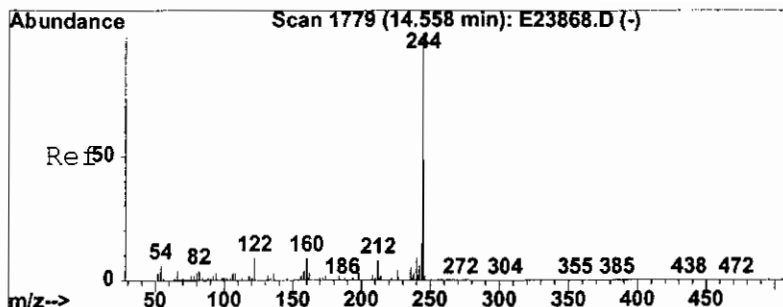
Ion 240.00 (239.50 to 240.50): E2

Ion 236.00 (235.50 to 236.50): E2

Ion 241.00 (240.50 to 241.50): E2

Ion 239.00 (238.50 to 239.50): E2





#70

Terphenyl-d14

Concen: 72.59 ug/mL

RT: 14.57 min Scan# 1781

Delta R.T. 0.00 min

Lab File: E23885.D

Acq: 13 Apr 2001 1:03 am

Tgt Ion:244 Resp: 6591157

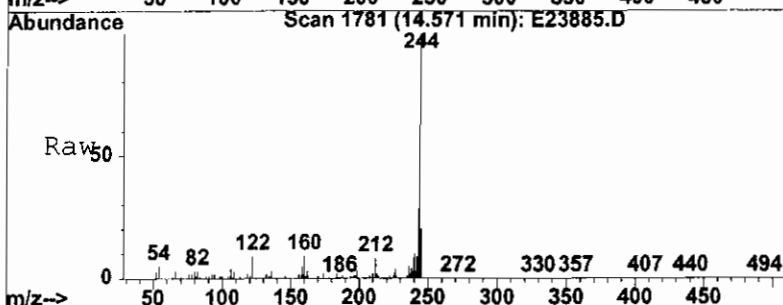
Ion Ratio Lower Upper

244 100

243 22.6 0.0 0.0#

245 20.1 16.2 24.4

240 9.7 7.4 11.2



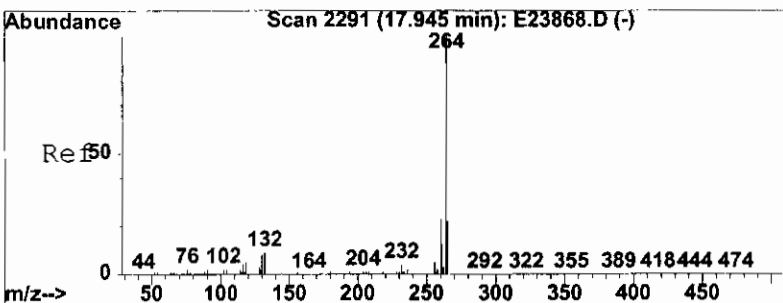
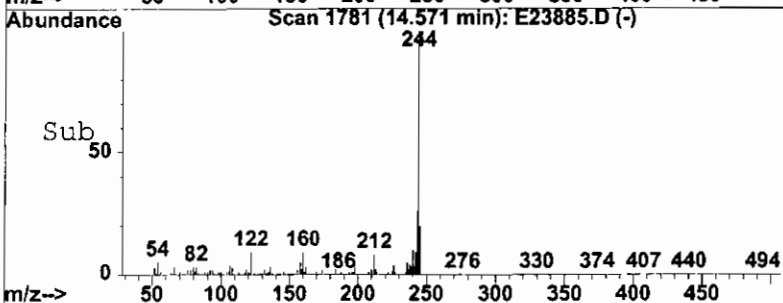
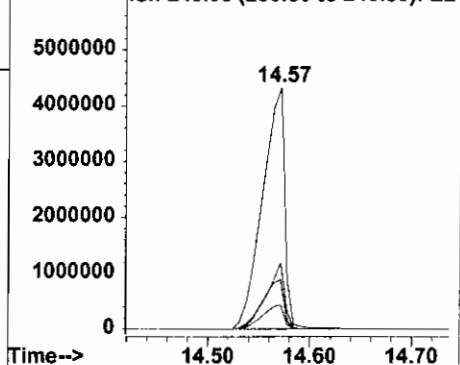
Abundance

Ion 244.00 (243.50 to 244.50): E2

Ion 243.00 (242.50 to 243.50): E2

Ion 245.00 (244.50 to 245.50): E2

Ion 240.00 (239.50 to 240.50): E2



#77

Perylene-d12

Concen: 40.00 ug/mL

RT: 17.94 min Scan# 2290

Delta R.T. -0.02 min

Lab File: E23885.D

Acq: 13 Apr 2001 1:03 am

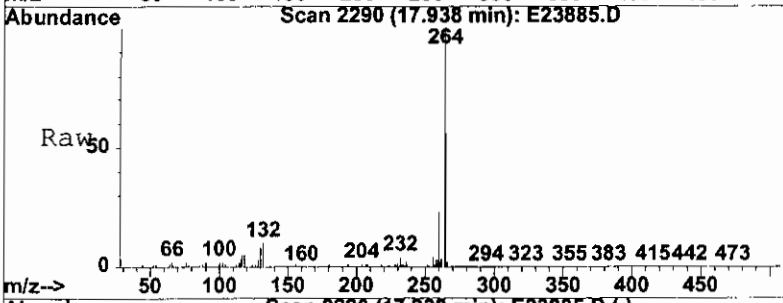
Tgt Ion:264 Resp: 3031519

Ion Ratio Lower Upper

264 100

260 22.6 18.1 27.1

265 22.3 17.6 26.4

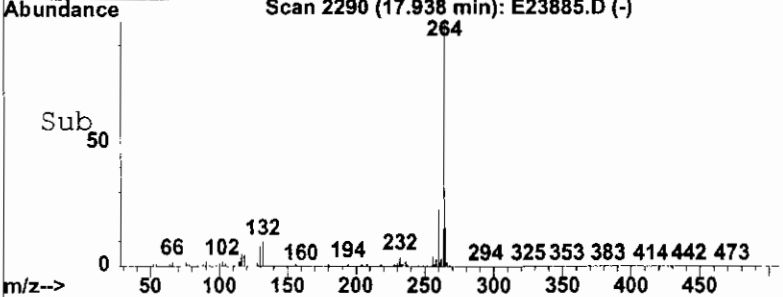
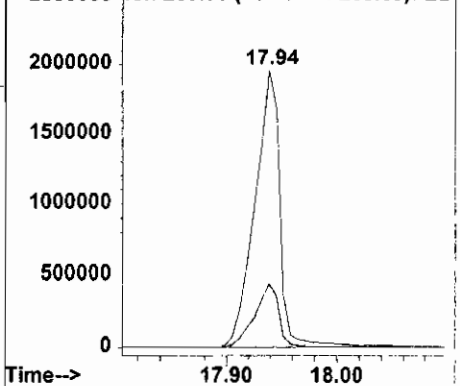


Abundance

Ion 264.00 (263.50 to 264.50): E2

Ion 260.00 (259.50 to 260.50): E2

Ion 265.00 (264.50 to 265.50): E2



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E23886.D Vial: 25
 Acq On : 13 Apr 2001 1:34 am Operator: RB
 Sample : 01040168-12 \$8270W ASPB 950ML\1ML 2X Inst : BNA NO 2
 Misc : QBSV2041201A Multiplr: 2.10
 MS Integration Params: rteint.p
 Quant Time: Aug 21 15:32 19101 Quant Results File: BNA2-13.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)
 Title : Semivolatiles by GC/MS - EPA Method 625/8270
 Last Update : Fri Apr 13 09:29:39 2001
 Response via : Initial Calibration
 DataAcq Meth : BNA2-12

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.25	152	1472776	40.00	ug/mL	0.00
21) Naphthalene-d8	7.78	136	4657099	40.00	ug/mL	-0.01
35) Acenaphthene-d10	10.15	164	2973202	40.00	ug/mL	-0.01
57) Phenanthrene-d10	12.23	188	4529636	40.00	ug/mL	-0.02
69) Chrysene-d12	16.04	240	3929000	40.00	ug/mL	-0.02
77) Perylene-d12	17.94	264	3619933	40.00	ug/mL	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	4.92	112	1769871	58.65	ug/mL	-0.02
Spiked Amount 200.000	Range 21 - 100		Recovery =	29.33%		
5) Phenol-d5	5.96	99	1545783	37.45	ug/mL	-0.03
Spiked Amount 200.000	Range 10 - 100		Recovery =	18.73%		
19) Nitrobenzene-d5	6.93	82	3709322	90.78	ug/mL	-0.02
Spiked Amount 100.000	Range 35 - 114		Recovery =	90.78%		
38) 2-Fluorobiphenyl	9.24	172	3438792	56.96	ug/mL	-0.01
Spiked Amount 100.000	Range 43 - 116		Recovery =	56.96%		
59) 2,4,6-Tribromophenol	11.28	330	1782875	189.88	ug/mL	-0.02
Spiked Amount 200.000	Range 10 - 123		Recovery =	94.94%		
70) Terphenyl-d14	14.56	244	5107121	97.18	ug/mL	0.00
Spiked Amount 100.000	Range 33 - 141		Recovery =	97.18%		

Target Compounds

Qvalue

Quantitation Report

Data File : C:\HPCHEM\1\DATA\E23886.D

Vial: 25

Acq On : 13 Apr 2001 1:34 am

Operator: RB

Sample : 01040168-12 \$8270W ASPB 950ML\1ML 2X

Inst : BNA NO 2

Misc : QBSV2041201A

Multiplr: 2.10

MS Integration Params: rteint.p

Quant Time: Aug 21 15:32 19101

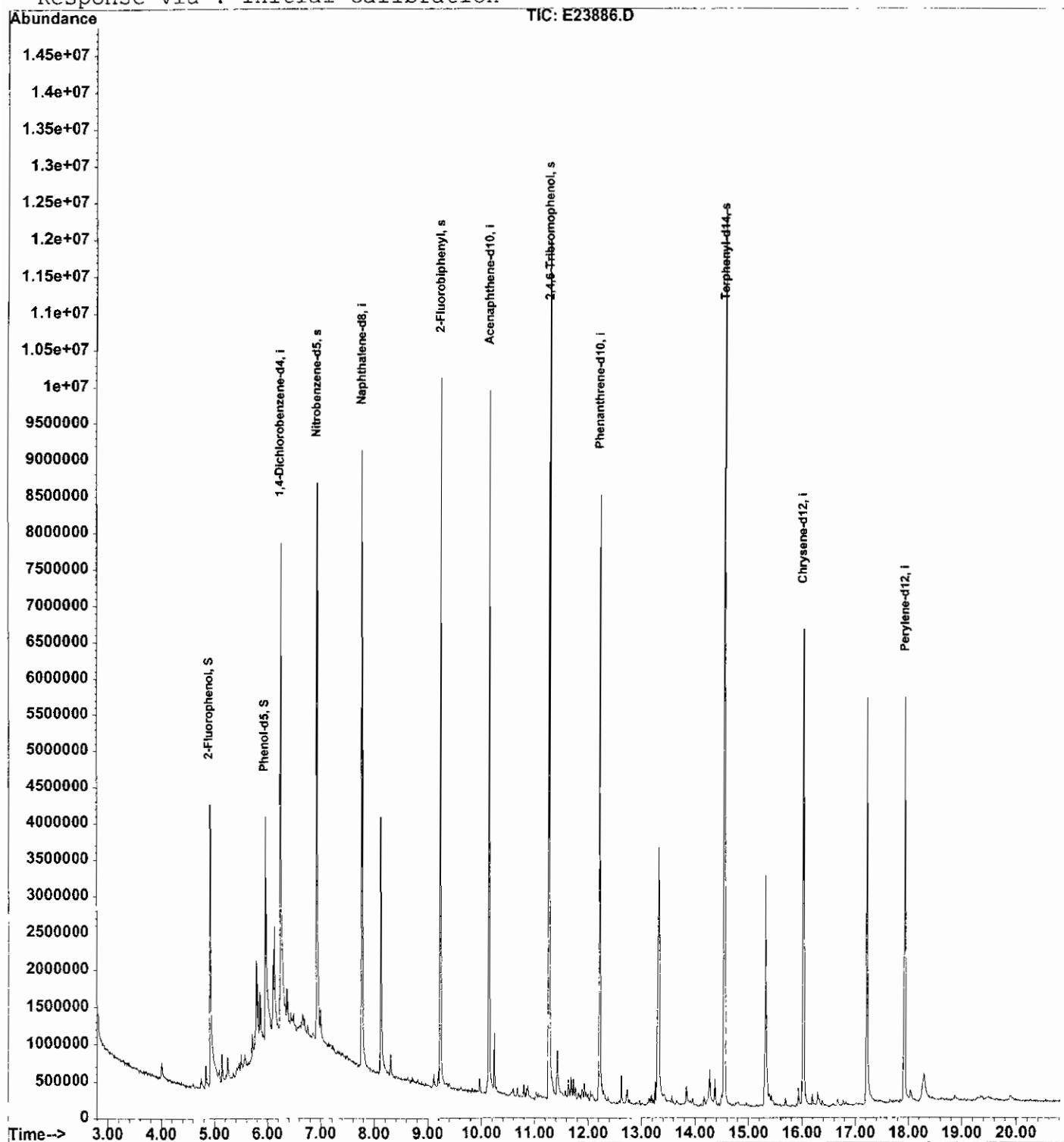
Quant Results File: BNA2-13.RES

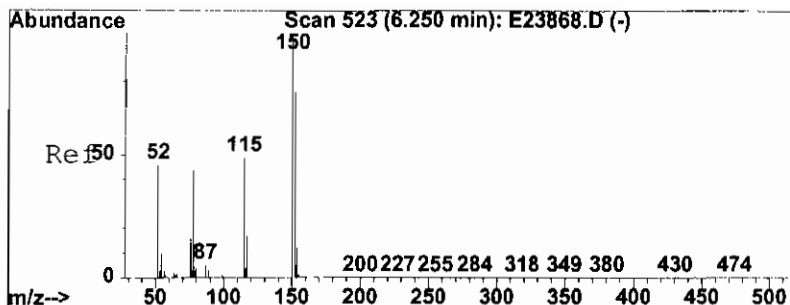
Method : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)

Title : Semivolatiles by GC/MS - EPA Method 625/8270

Last Update : Fri Apr 13 09:29:39 2001

Response via : Initial Calibration

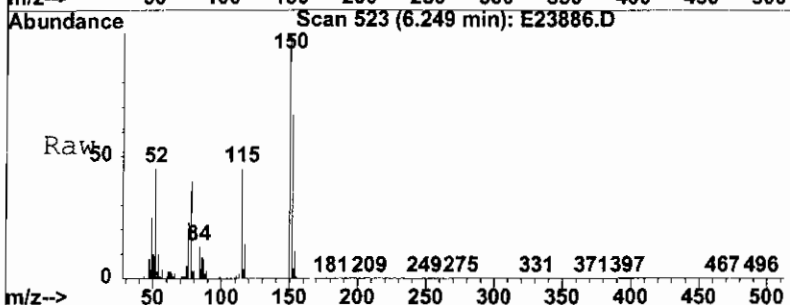




#1
 1,4-Dichlorobenzene-d4
 Concen: 40.00 ug/mL
 RT: 6.25 min Scan# 523
 Delta R.T. -0.01 min
 Lab File: E23886.D
 Acq: 13 Apr 2001 1:34 am

Tgt Ion:152 Resp: 1472776

Ion	Ratio	Lower	Upper
152	100		
150	154.6	169.4	254.2#
115	68.8	70.3	105.5#
78	61.9	76.0	114.0#



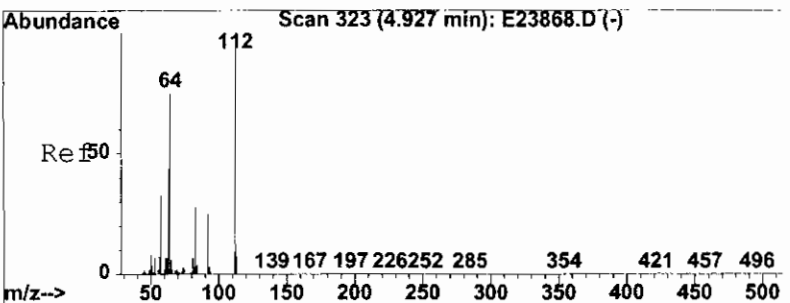
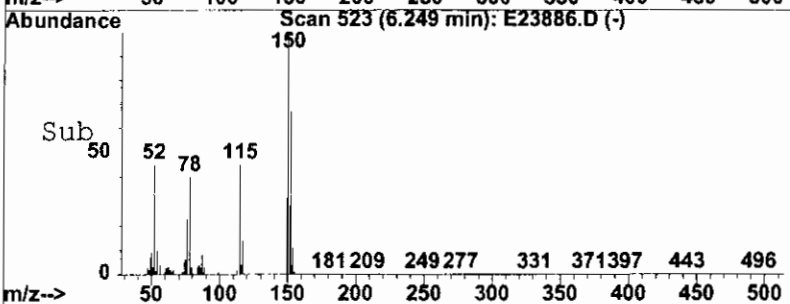
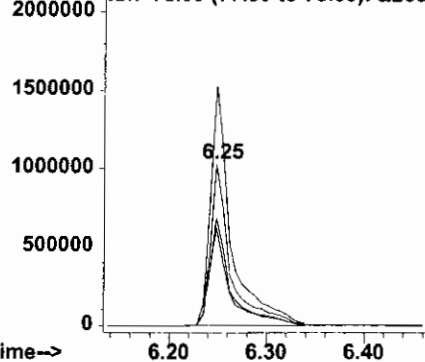
Abundance

Ion 152.00 (151.50 to 152.50): E2

Ion 150.00 (149.50 to 150.50): E2

Ion 115.00 (114.50 to 115.50): E2

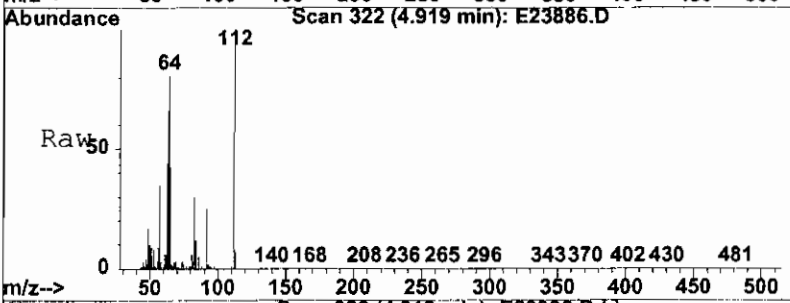
Ion 78.00 (77.50 to 78.50): E238



#4
 2-Fluorophenol
 Concen: 58.65 ug/mL
 RT: 4.92 min Scan# 322
 Delta R.T. -0.02 min
 Lab File: E23886.D
 Acq: 13 Apr 2001 1:34 am

Tgt Ion:112 Resp: 1769871

Ion	Ratio	Lower	Upper
112	100		
64	73.2	58.7	88.1
92	21.9	18.2	27.2

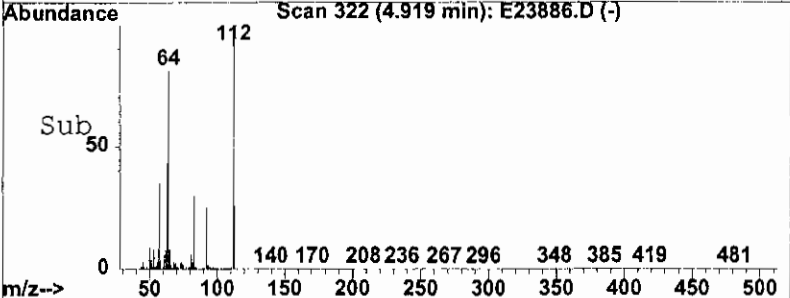
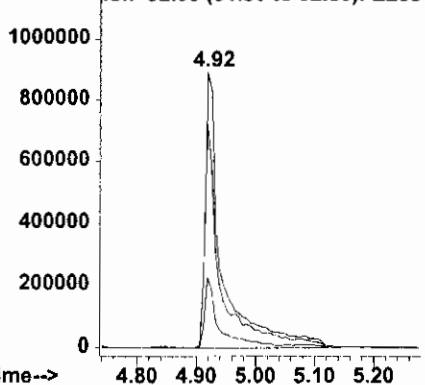


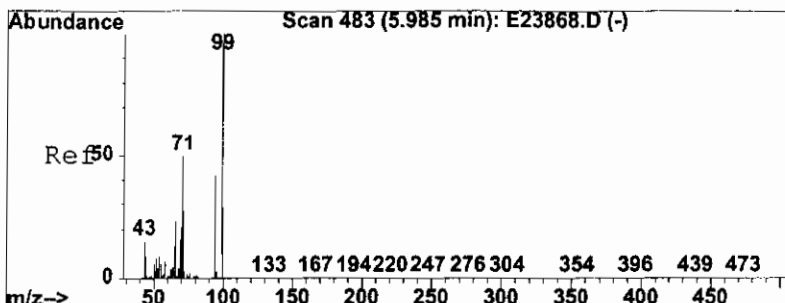
Abundance

Ion 112.00 (111.50 to 112.50): E2

Ion 64.00 (63.50 to 64.50): E238

Ion 92.00 (91.50 to 92.50): E238

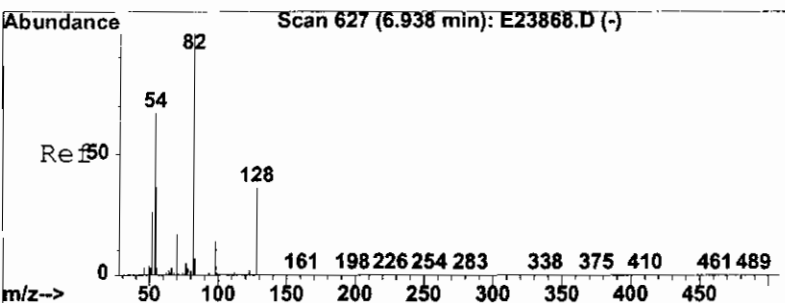
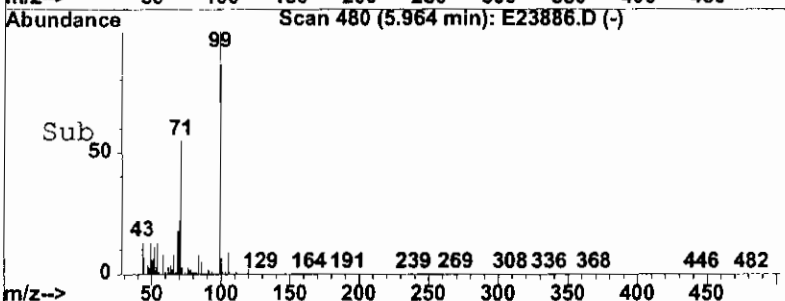
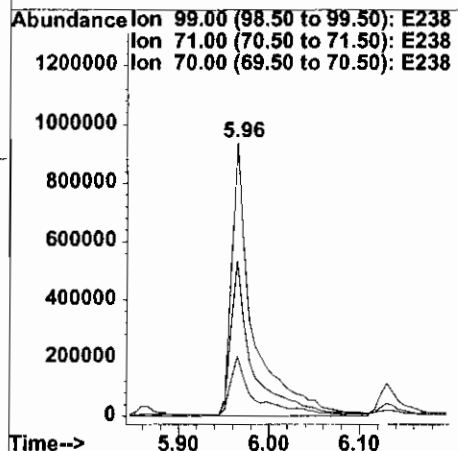
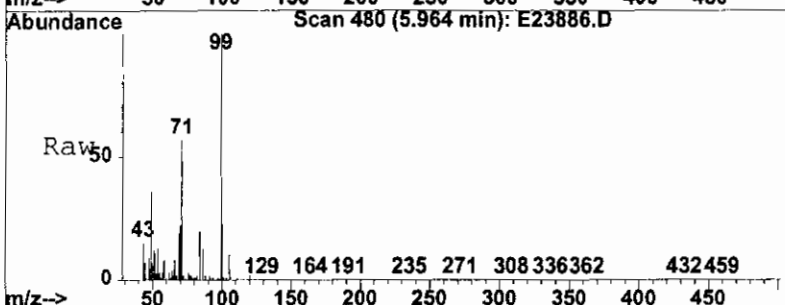




#5
 Phenol-d5
 Concen: 37.45 ug/mL
 RT: 5.96 min Scan# 480
 Delta R.T. -0.03 min
 Lab File: E23886.D
 Acq: 13 Apr 2001 1:34 am

Tgt Ion: 99 Resp: 1545783

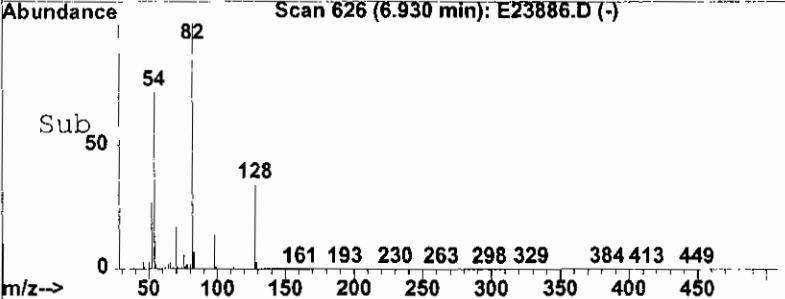
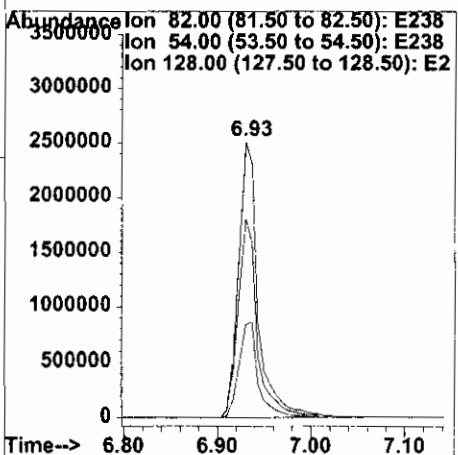
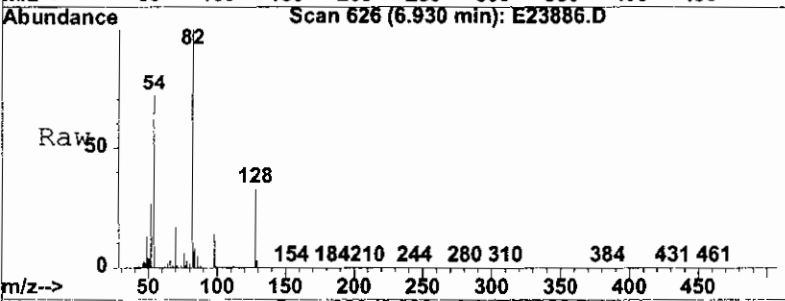
Ion	Ratio	Lower	Upper
99	100		
71	56.5	43.1	64.7
70	22.4	16.6	24.8

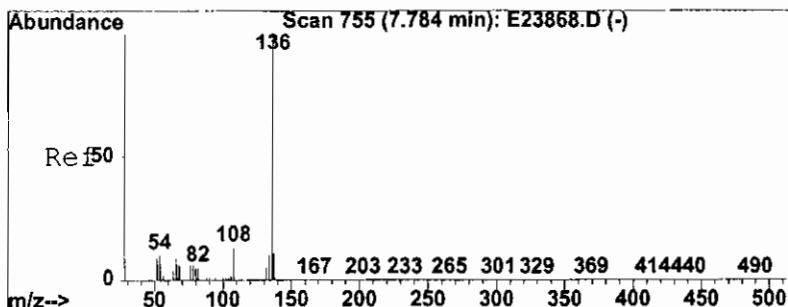


#19
 Nitrobenzene-d5
 Concen: 90.78 ug/mL
 RT: 6.93 min Scan# 626
 Delta R.T. -0.02 min
 Lab File: E23886.D
 Acq: 13 Apr 2001 1:34 am

Tgt Ion: 82 Resp: 3709322

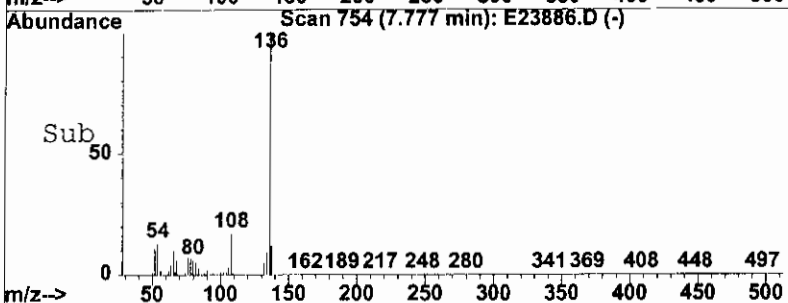
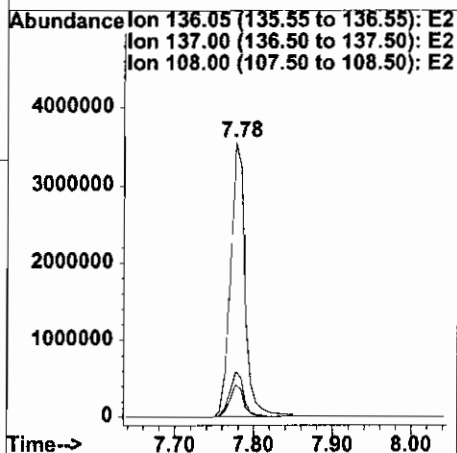
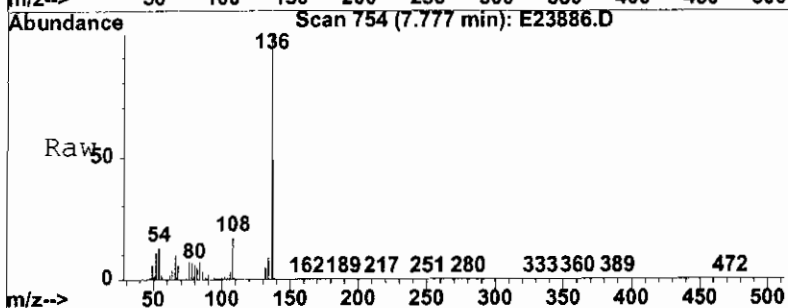
Ion	Ratio	Lower	Upper
82	100		
54	71.7	24.7	37.1#
128	33.9	1.8	2.6#





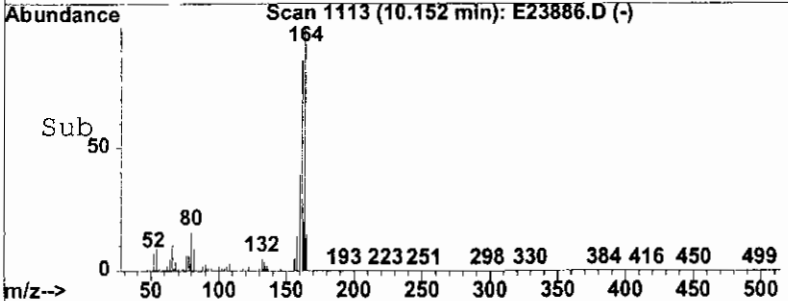
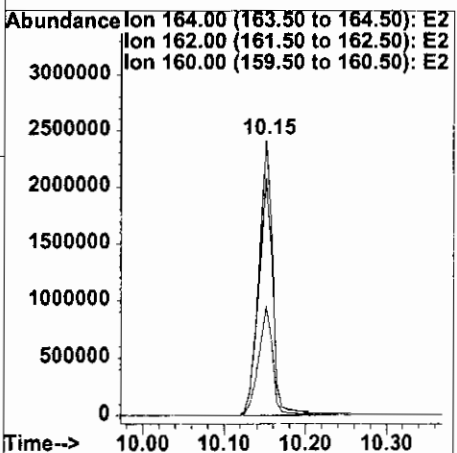
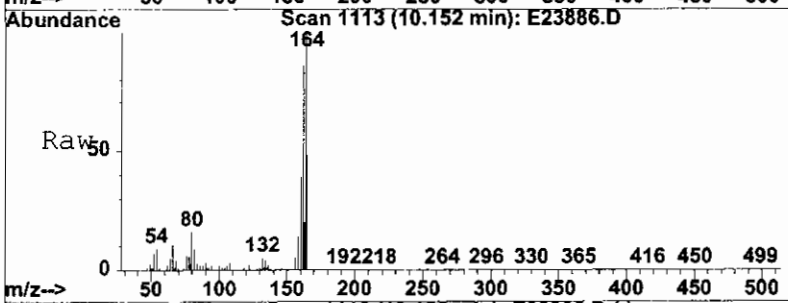
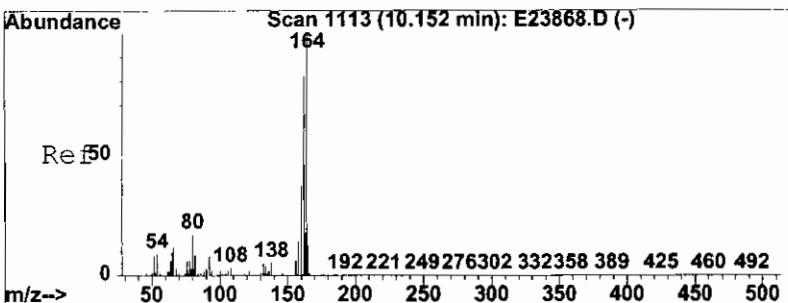
#21
Naphthalene-d8
Concen: 40.00 ug/mL
RT: 7.78 min Scan# 754
Delta R.T. -0.01 min
Lab File: E23886.D
Acq: 13 Apr 2001 1:34 am

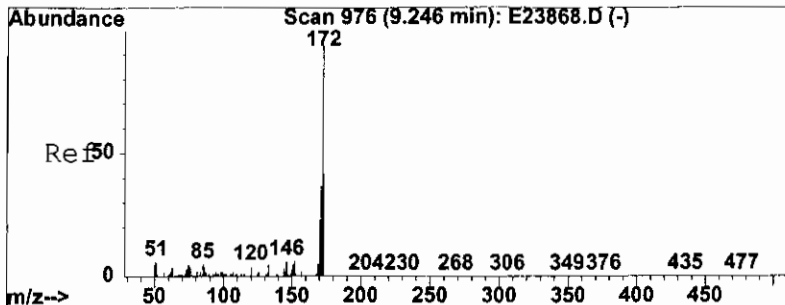
Tgt Ion: 136 Resp: 4657099
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
108 16.4 12.8 19.2



#35
Acenaphthene-d10
Concen: 40.00 ug/mL
RT: 10.15 min Scan# 1113
Delta R.T. -0.01 min
Lab File: E23886.D
Acq: 13 Apr 2001 1:34 am

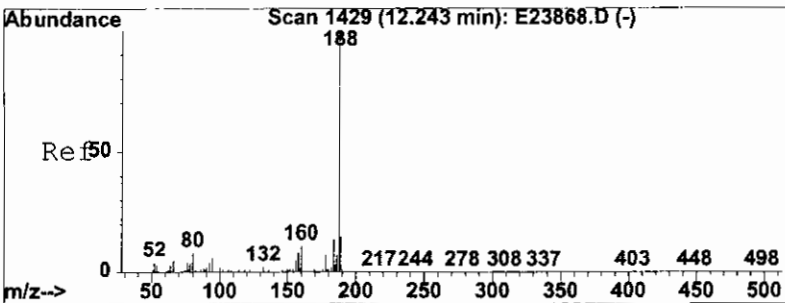
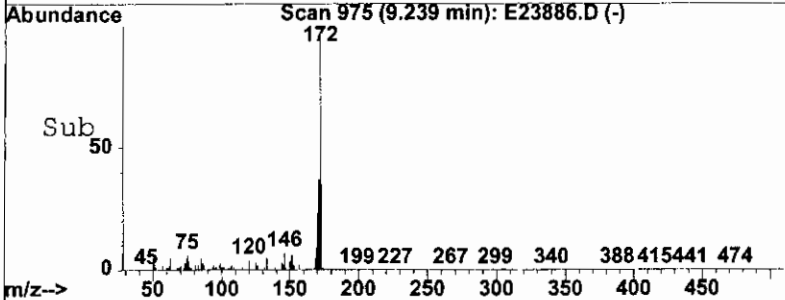
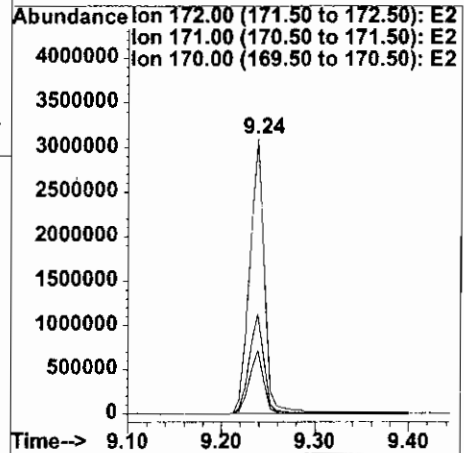
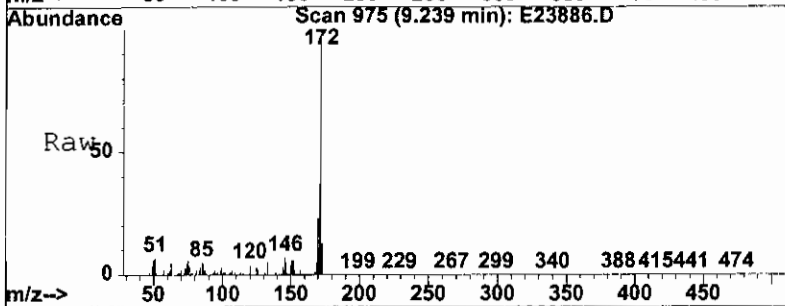
Tgt Ion: 164 Resp: 2973202
Ion Ratio Lower Upper
164 100
162 87.0 69.4 104.2
160 39.3 31.8 47.6





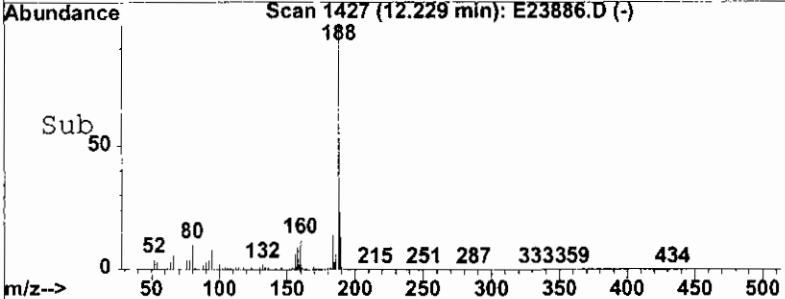
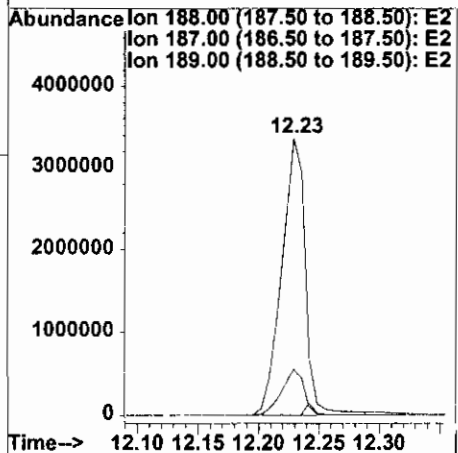
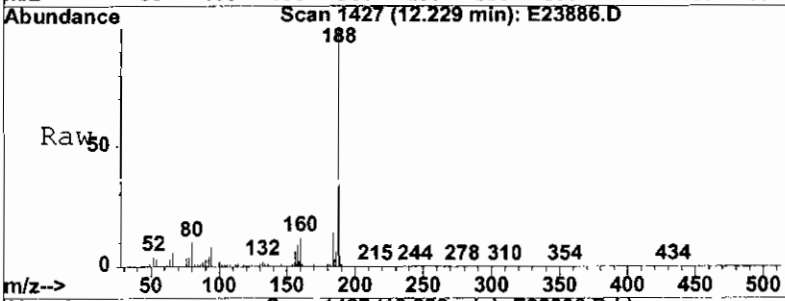
#38
2-Fluorobiphenyl
Concen: 56.96 ug/mL
RT: 9.24 min Scan# 975
Delta R.T. -0.01 min
Lab File: E23886.D
Acq: 13 Apr 2001 1:34 am

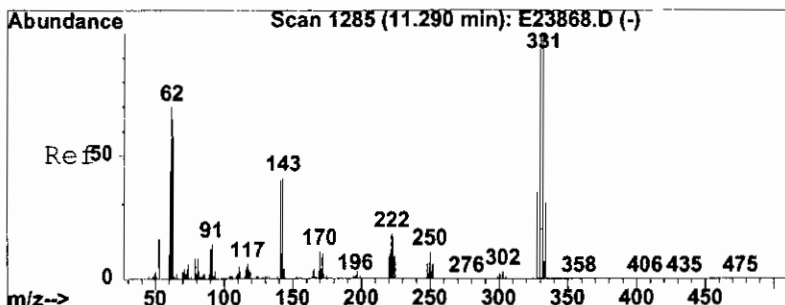
Tgt Ion: 172 Resp: 3438792
Ion Ratio Lower Upper
172 100
171 37.1 30.5 45.7
170 21.8 19.3 28.9



#57
Phenanthrene-d10
Concen: 40.00 ug/mL
RT: 12.23 min Scan# 1427
Delta R.T. -0.02 min
Lab File: E23886.D
Acq: 13 Apr 2001 1:34 am

Tgt Ion: 188 Resp: 4529636
Ion Ratio Lower Upper
188 100
187 1.7 1.4 2.2
189 16.1 12.5 18.7





#59

2,4,6-Tribromophenol

Concen: 189.88 ug/mL

RT: 11.28 min Scan# 1284

Delta R.T. -0.02 min

Lab File: E23886.D

Acq: 13 Apr 2001 1:34 am

Tgt Ion:330 Resp: 1782875

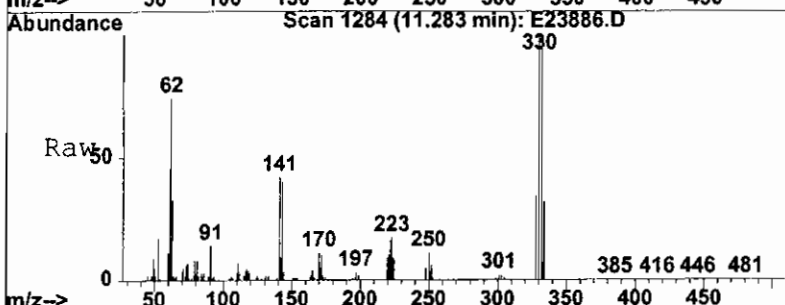
Ion Ratio Lower Upper

330 100

332 98.7 76.1 114.1

328 34.0 25.8 38.6

334 31.2 23.0 34.6



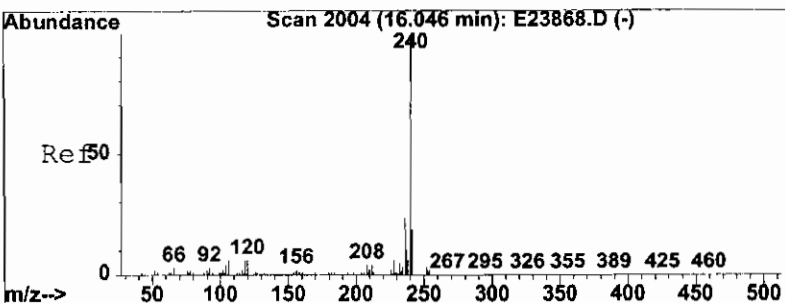
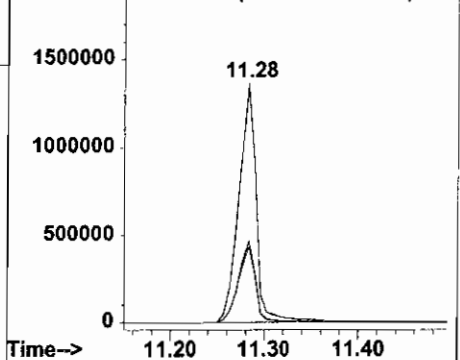
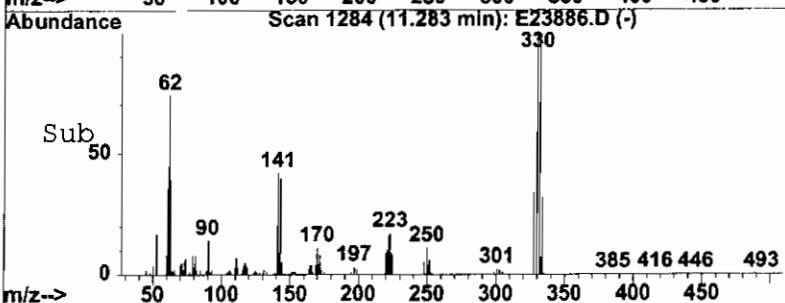
Abundance

Ion 330.00 (329.50 to 330.50): E2

Ion 332.00 (331.50 to 332.50): E2

Ion 328.00 (327.50 to 328.50): E2

Ion 334.00 (333.50 to 334.50): E2



#69

Chrysene-d12

Concen: 40.00 ug/mL

RT: 16.04 min Scan# 2003

Delta R.T. -0.02 min

Lab File: E23886.D

Acq: 13 Apr 2001 1:34 am

Tgt Ion:240 Resp: 3929000

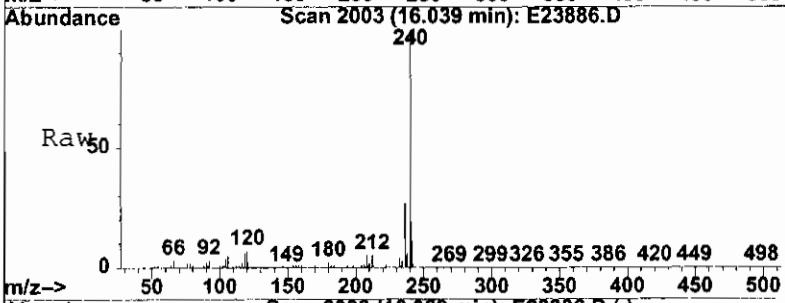
Ion Ratio Lower Upper

240 100

236 25.5 20.1 30.1

241 19.5 15.4 23.0

239 0.1 0.0 0.0#



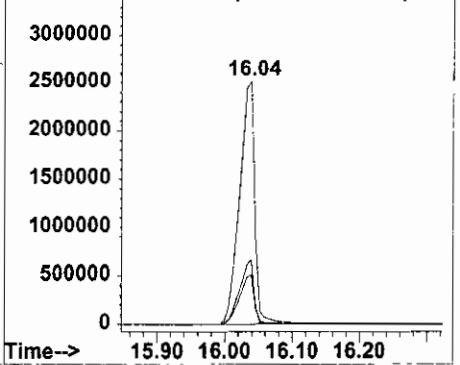
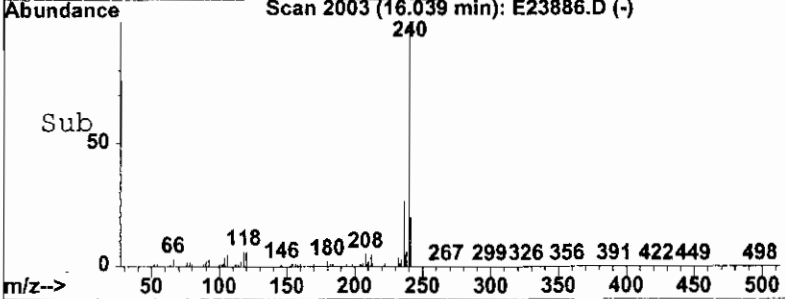
Abundance

Ion 240.00 (239.50 to 240.50): E2

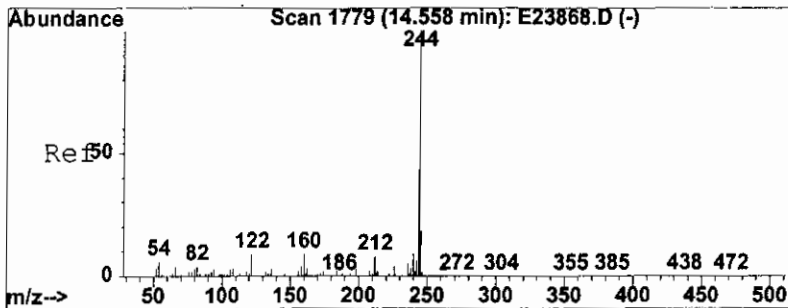
Ion 236.00 (235.50 to 236.50): E2

Ion 241.00 (240.50 to 241.50): E2

Ion 239.00 (238.50 to 239.50): E2

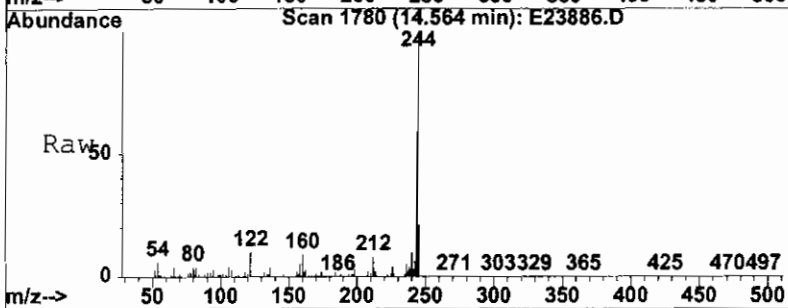


000484

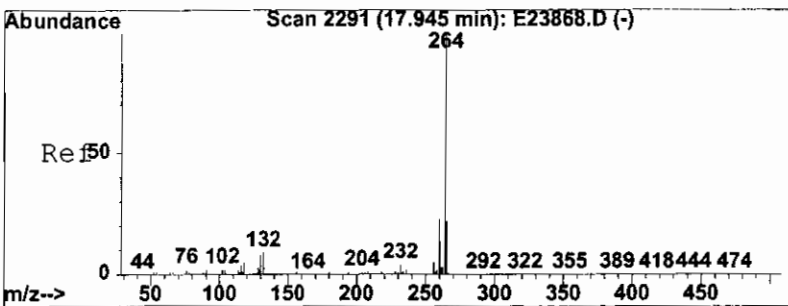
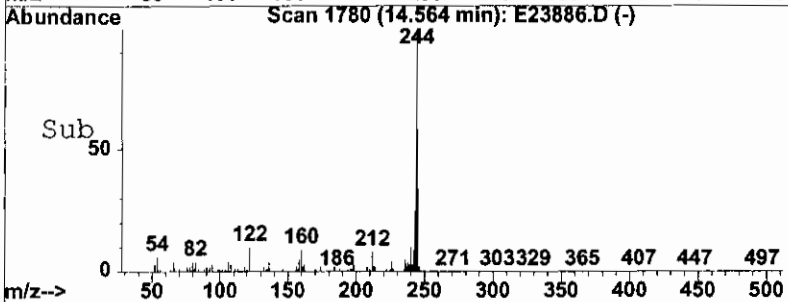
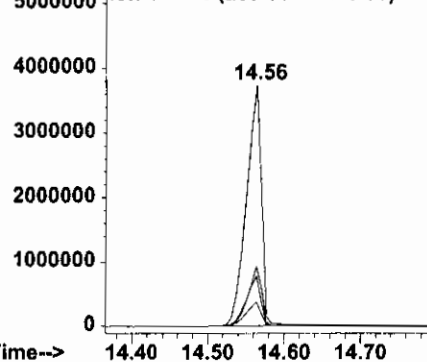


#70
Terphenyl-d14
Concen: 97.18 ug/mL
RT: 14.56 min Scan# 1780
Delta R.T. -0.00 min
Lab File: E23886.D
Acq: 13 Apr 2001 1:34 am

Tgt Ion: 244 Resp: 5107121
Ion Ratio Lower Upper
244 100
243 22.5 0.0 0.0#
245 19.9 16.2 24.4
240 9.8 7.4 11.2

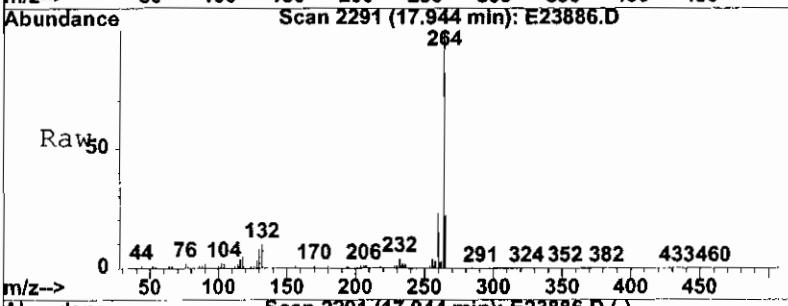


Abundance Ion 244.00 (243.50 to 244.50): E2
Ion 243.00 (242.50 to 243.50): E2
Ion 245.00 (244.50 to 245.50): E2
Ion 240.00 (239.50 to 240.50): E2

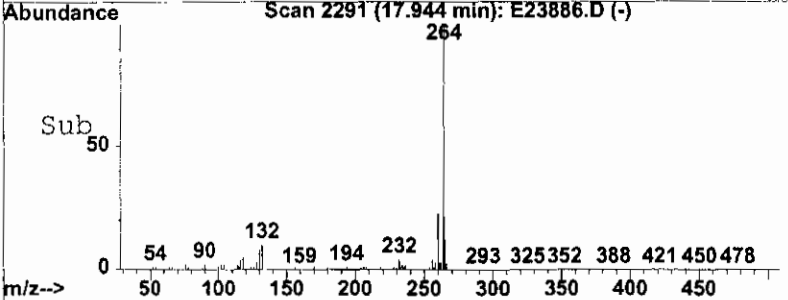
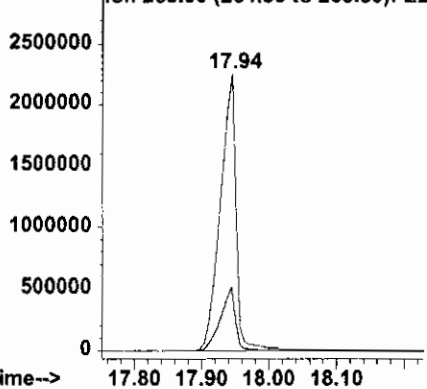


#77
Perylene-d12
Concen: 40.00 ug/mL
RT: 17.94 min Scan# 2291
Delta R.T. -0.02 min
Lab File: E23886.D
Acq: 13 Apr 2001 1:34 am

Tgt Ion: 264 Resp: 3619933
Ion Ratio Lower Upper
264 100
260 21.9 18.1 27.1
265 21.3 17.6 26.4



Abundance Ion 264.00 (263.50 to 264.50): E2
Ion 260.00 (259.50 to 260.50): E2
Ion 265.00 (264.50 to 265.50): E2



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E23887.D
Acq On : 13 Apr 2001 2:03 am
Sample : 01040168-13 \$8270W ASPB 800ML\1ML
Misc : QBSV2041201A
MS Integration Params: rteint.p
Quant Time: Aug 21 15:32 19101

Vial: 26
Operator: RB
Inst : BNA NO 2
Multiplr: 1.25

Quant Results File: BNA2-13.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Fri Apr 13 09:29:39 2001
Response via : Initial Calibration
DataAcq Meth : BNA2-12

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.25	152	1455831	40.00	ug/mL	0.00
21) Naphthalene-d8	7.78	136	4667918	40.00	ug/mL	0.00
35) Acenaphthene-d10	10.15	164	2909626	40.00	ug/mL	-0.01
57) Phenanthrene-d10	12.23	188	4493260	40.00	ug/mL	-0.02
69) Chrysene-d12	16.04	240	3818878	40.00	ug/mL	-0.02
77) Perylene-d12	17.94	264	3453645	40.00	ug/mL	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	4.93	112	2945420	58.78	ug/mL	-0.01
Spiked Amount 200.000	Range 21 - 100		Recovery =	29.39%		
5) Phenol-d5	5.96	99	2411910	35.18	ug/mL	-0.03
Spiked Amount 200.000	Range 10 - 100		Recovery =	17.59%		
19) Nitrobenzene-d5	6.94	82	6197984	91.34	ug/mL	0.00
Spiked Amount 100.000	Range 35 - 114		Recovery =	91.34%		
38) 2-Fluorobiphenyl	9.24	172	5889083	59.34	ug/mL	0.00
Spiked Amount 100.000	Range 43 - 116		Recovery =	59.34%		
59) 2,4,6-Tribromophenol	11.29	330	2665785	170.36	ug/mL	-0.01
Spiked Amount 200.000	Range 10 - 123		Recovery =	85.18%		
70) Terphenyl-d14	14.57	244	7668962	89.37	ug/mL	0.00
Spiked Amount 100.000	Range 33 - 141		Recovery =	89.37%		

Target Compounds

Qvalue

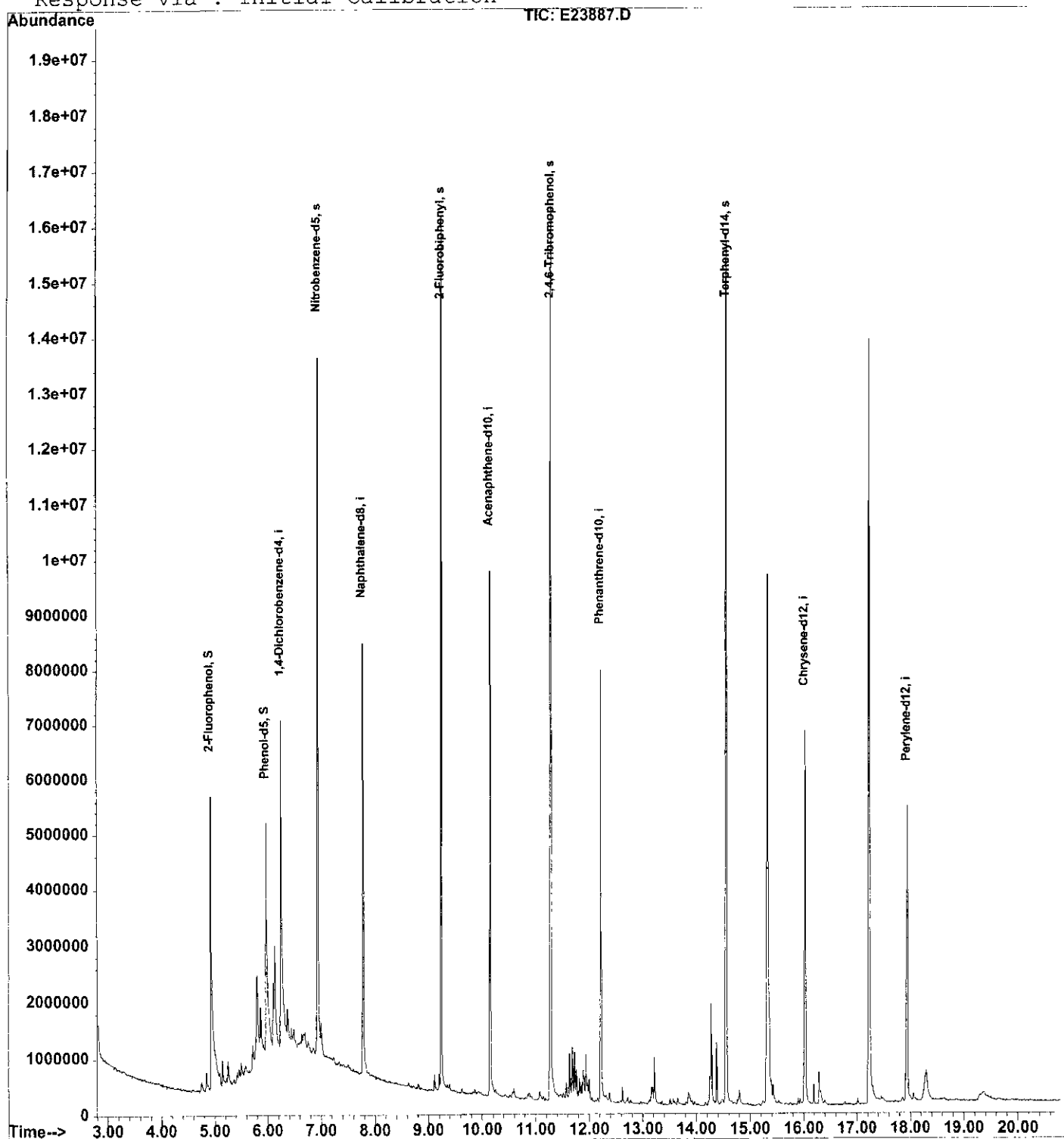
Quantitation Report

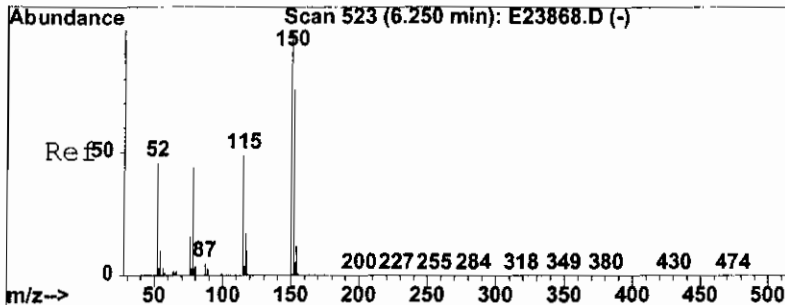
Data File : C:\HPCHEM\1\DATA\E23887.D
 Acq On : 13 Apr 2001 2:03 am
 Sample : 01040168-13 \$8270W ASPB 800ML\1ML
 Misc : QBSV2041201A
 MS Integration Params: rteint.p
 Quant Time: Aug 21 15:32 19101

Vial: 26
 Operator: RB
 Inst : BNA NO 2
 Multiplr: 1.25

Quant Results File: BNA2-13.RES

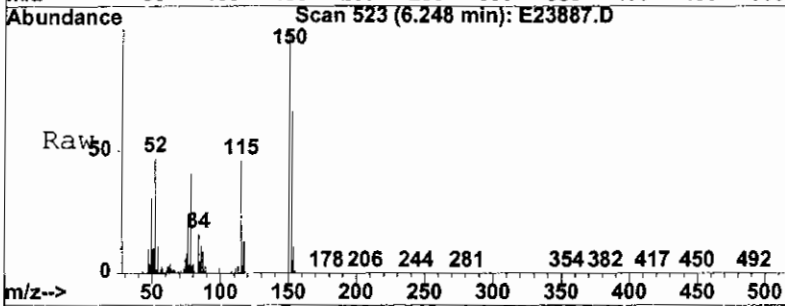
Method : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)
 Title : Semivolatiles by GC/MS - EPA Method 625/8270
 Last Update : Fri Apr 13 09:29:39 2001
 Response via : Initial Calibration



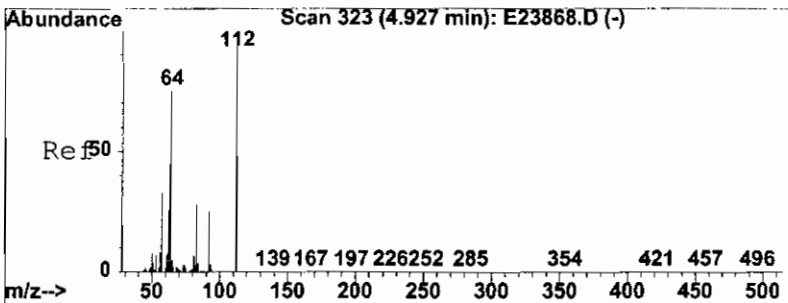
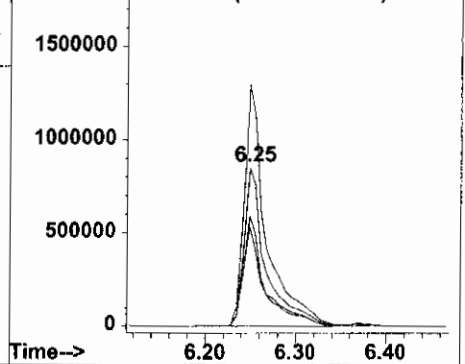
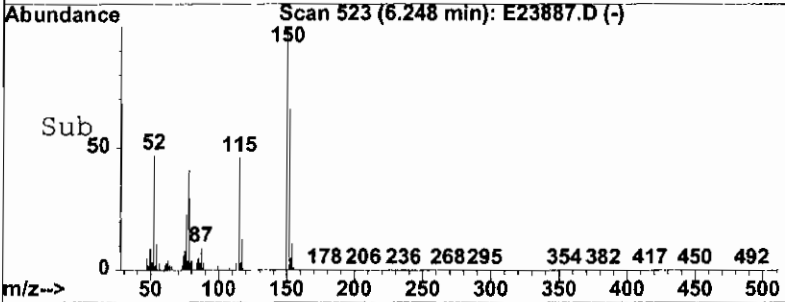


#1
1,4-Dichlorobenzene-d4
Concen: 40.00 ug/mL
RT: 6.25 min Scan# 523
Delta R.T. -0.01 min
Lab File: E23887.D
Acq: 13 Apr 2001 2:03 am

Tgt Ion:152 Resp: 1455831
Ion Ratio Lower Upper
152 100
150 152.2 169.4 254.2#
115 68.7 70.3 105.5#
78 61.6 76.0 114.0#

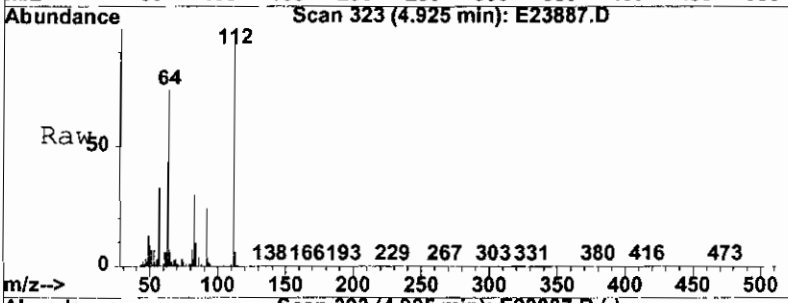


Abundance Ion 152.00 (151.50 to 152.50): E2
2000000 Ion 150.00 (149.50 to 150.50): E2
Ion 115.00 (114.50 to 115.50): E2
Ion 78.00 (77.50 to 78.50): E238

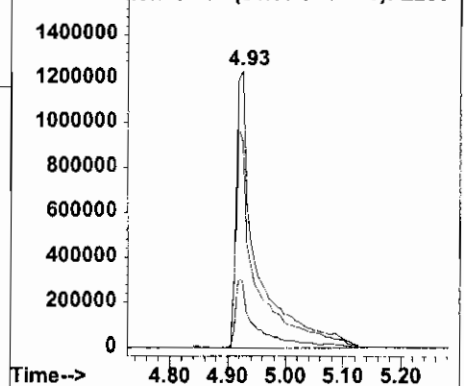
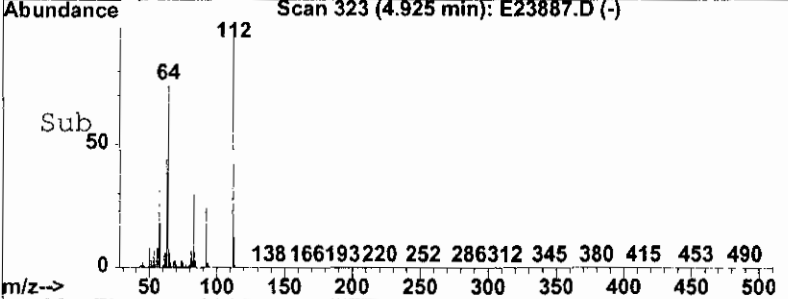


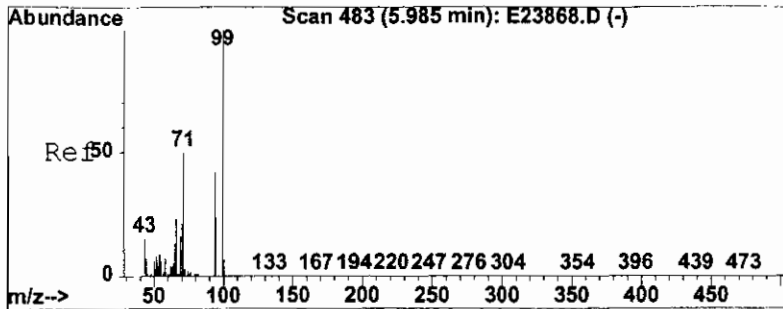
#4
2-Fluorophenol
Concen: 58.78 ug/mL
RT: 4.93 min Scan# 323
Delta R.T. -0.01 min
Lab File: E23887.D
Acq: 13 Apr 2001 2:03 am

Tgt Ion:112 Resp: 2945420
Ion Ratio Lower Upper
112 100
64 78.8 58.7 88.1
92 23.1 18.2 27.2



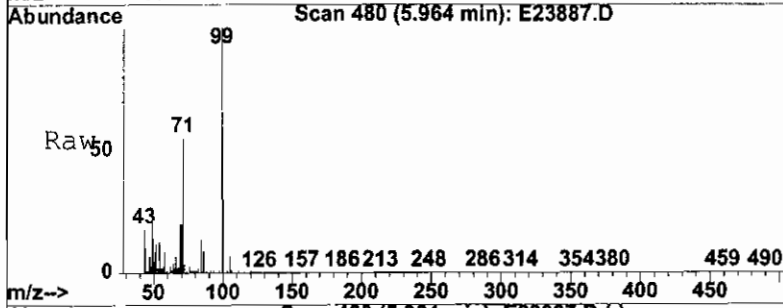
Abundance Ion 112.00 (111.50 to 112.50): E2
1600000 Ion 64.00 (63.50 to 64.50): E238
Ion 92.00 (91.50 to 92.50): E238



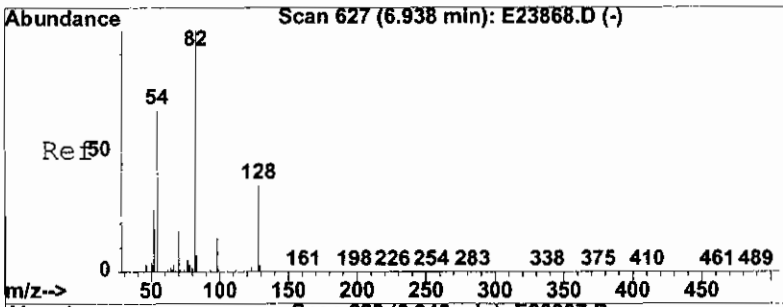
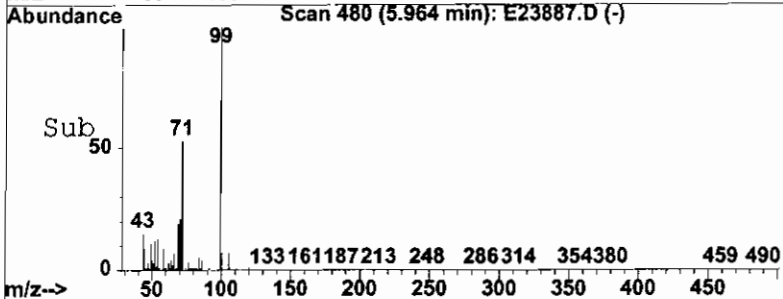
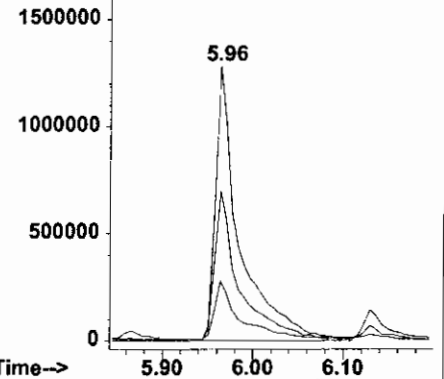


#5
Phenol-d5
Concen: 35.18 ug/mL
RT: 5.96 min Scan# 480
Delta R.T. -0.03 min
Lab File: E23887.D
Acq: 13 Apr 2001 2:03 am

Tgt Ion: 99 Resp: 2411910
Ion Ratio Lower Upper
99 100
71 54.9 43.1 64.7
70 21.9 16.6 24.8

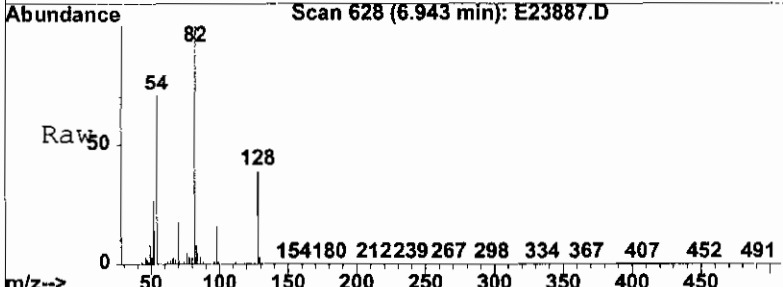


Abundance Ion 99.00 (98.50 to 99.50): E238
Ion 71.00 (70.50 to 71.50): E238
Ion 70.00 (69.50 to 70.50): E238

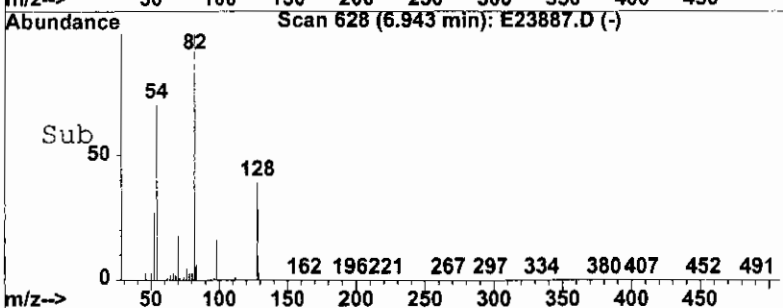
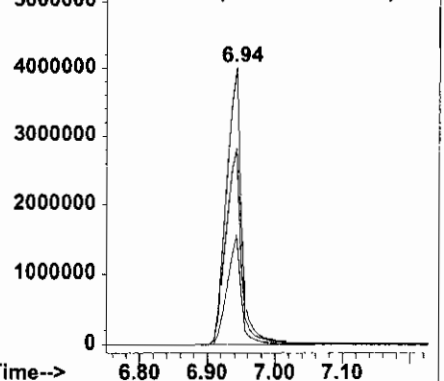


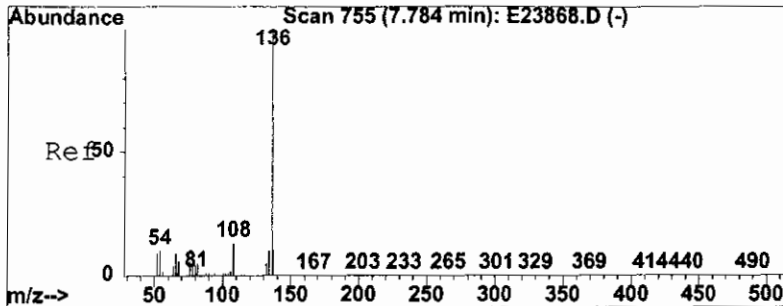
#19
Nitrobenzene-d5
Concen: 91.34 ug/mL
RT: 6.94 min Scan# 628
Delta R.T. -0.00 min
Lab File: E23887.D
Acq: 13 Apr 2001 2:03 am

Tgt Ion: 82 Resp: 6197984
Ion Ratio Lower Upper
82 100
54 70.7 24.7 37.1#
128 35.7 1.8 2.6#



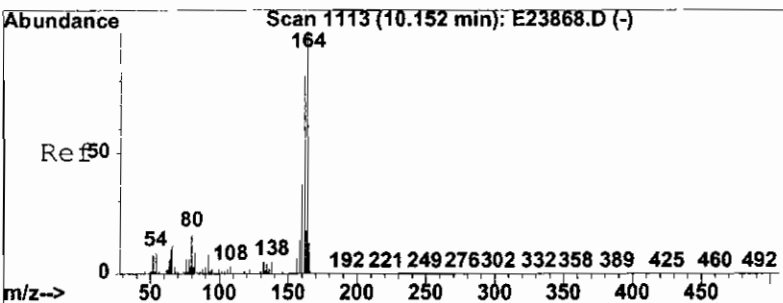
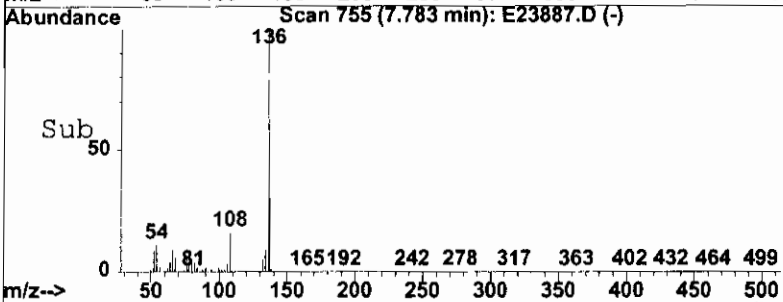
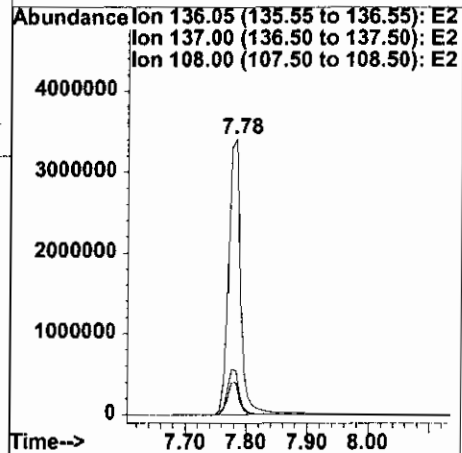
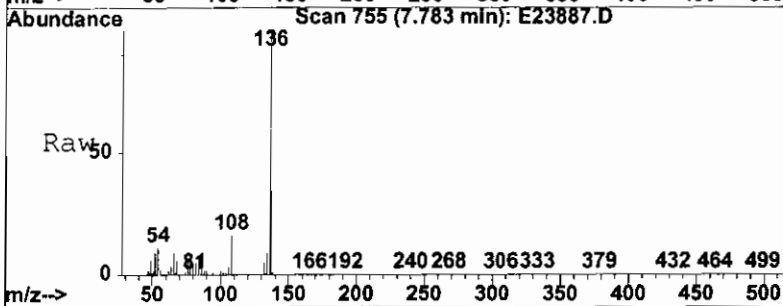
Abundance Ion 82.00 (81.50 to 82.50): E238
Ion 54.00 (53.50 to 54.50): E238
Ion 128.00 (127.50 to 128.50): E2





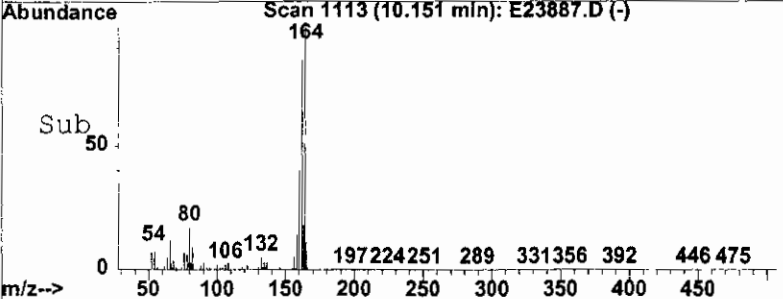
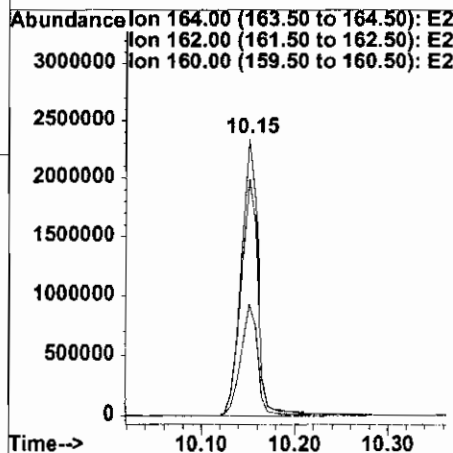
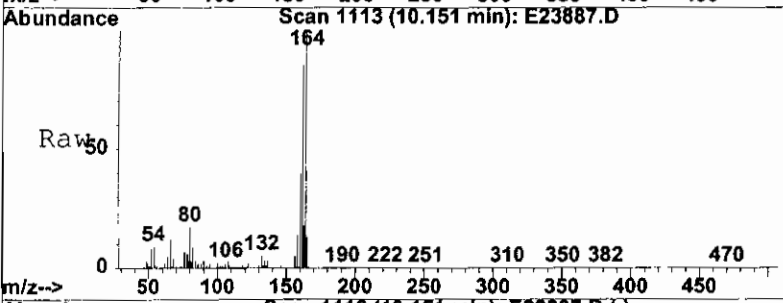
#21
Naphthalene-d8
Concen: 40.00 ug/mL
RT: 7.78 min Scan# 755
Delta R.T. -0.01 min
Lab File: E23887.D
Acq: 13 Apr 2001 2:03 am

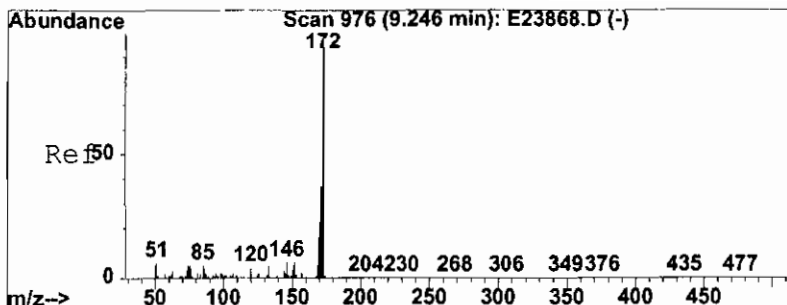
Tgt Ion:136 Resp: 4667918
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
108 16.0 12.8 19.2



#35
Acenaphthene-d10
Concen: 40.00 ug/mL
RT: 10.15 min Scan# 1113
Delta R.T. -0.01 min
Lab File: E23887.D
Acq: 13 Apr 2001 2:03 am

Tgt Ion:164 Resp: 2909626
Ion Ratio Lower Upper
164 100
162 87.7 69.4 104.2
160 40.5 31.8 47.6

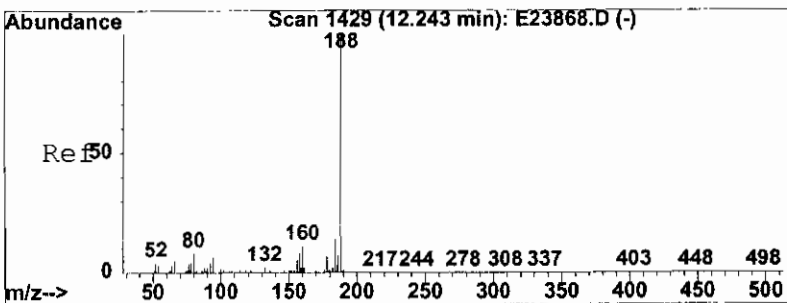
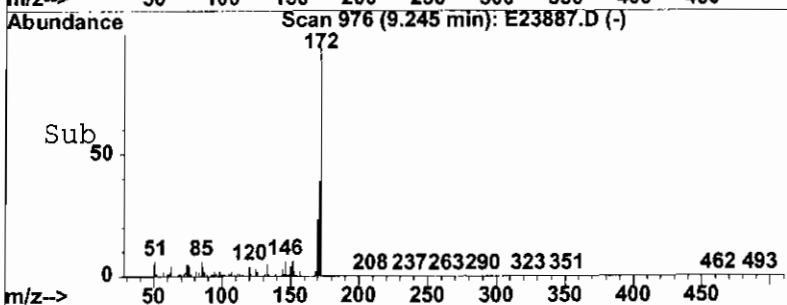
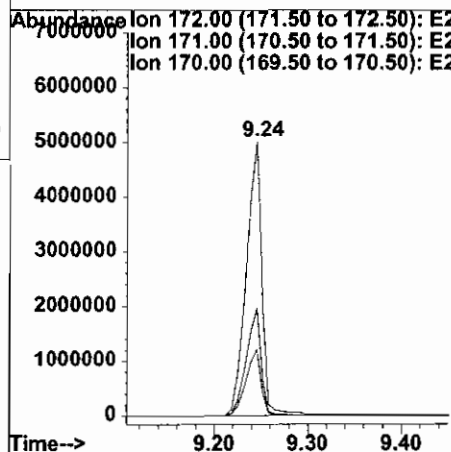
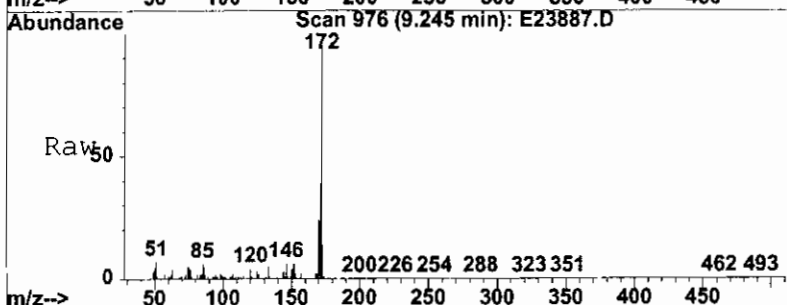




#38
2-Fluorobiphenyl
Concen: 59.34 ug/mL
RT: 9.24 min Scan# 976
Delta R.T. -0.01 min
Lab File: E23887.D
Acq: 13 Apr 2001 2:03 am

Tgt Ion: 172 Resp: 5889083

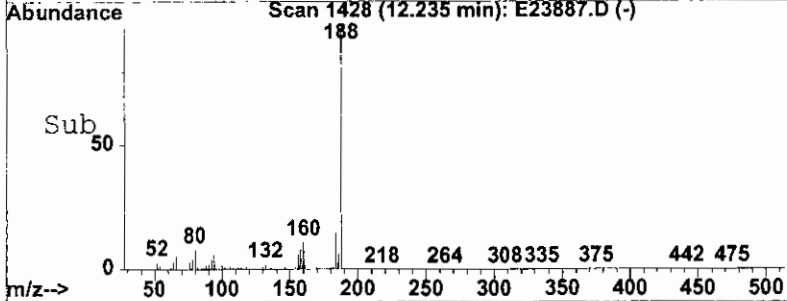
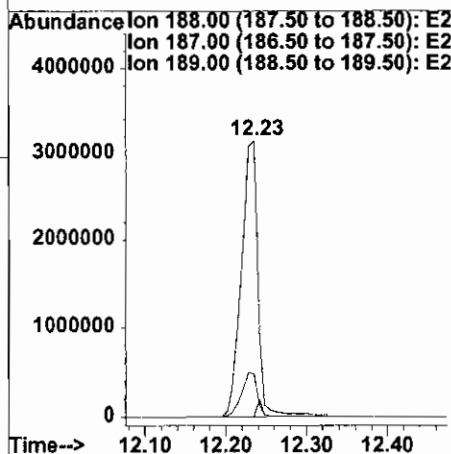
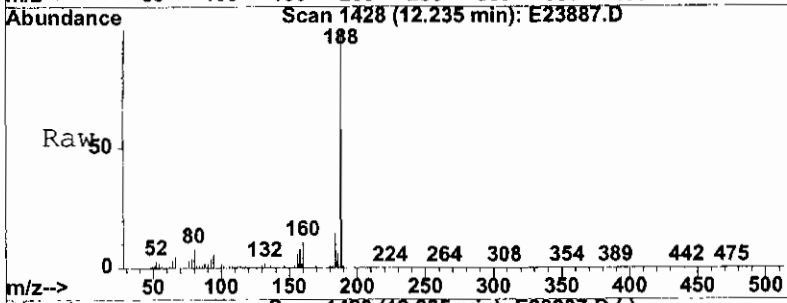
Ion	Ratio	Lower	Upper
172	100		
171	37.5	30.5	45.7
170	23.6	19.3	28.9

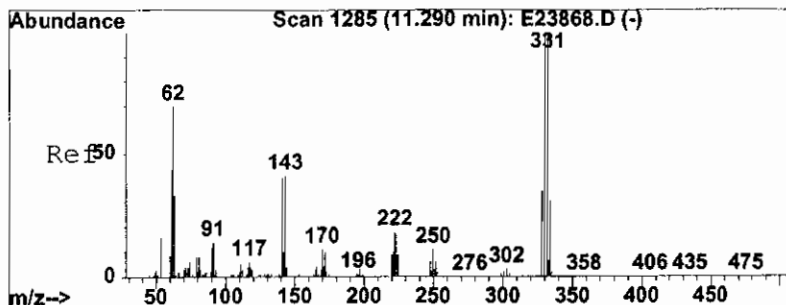


#57
Phenanthrene-d10
Concen: 40.00 ug/mL
RT: 12.23 min Scan# 1428
Delta R.T. -0.02 min
Lab File: E23887.D
Acq: 13 Apr 2001 2:03 am

Tgt Ion: 188 Resp: 4493260

Ion	Ratio	Lower	Upper
188	100		
187	2.1	1.4	2.2
189	15.1	12.5	18.7





#59

2,4,6-Tribromophenol

Concen: 170.36 ug/mL

RT: 11.29 min Scan# 1285

Delta R.T. -0.01 min

Lab File: E23887.D

Acq: 13 Apr 2001 2:03 am

Tgt Ion:330 Resp: 2665785

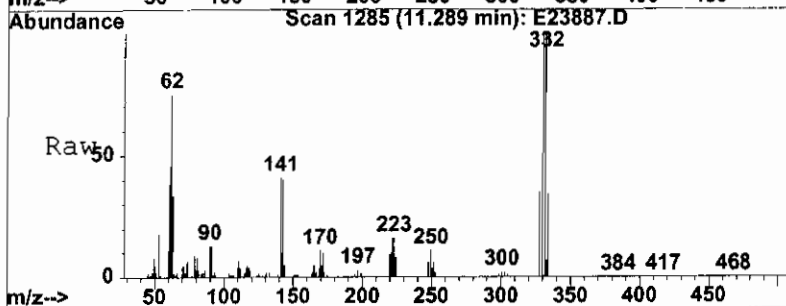
Ion Ratio Lower Upper

330 100

332 98.0 76.1 114.1

328 34.3 25.8 38.6

334 32.4 23.0 34.6



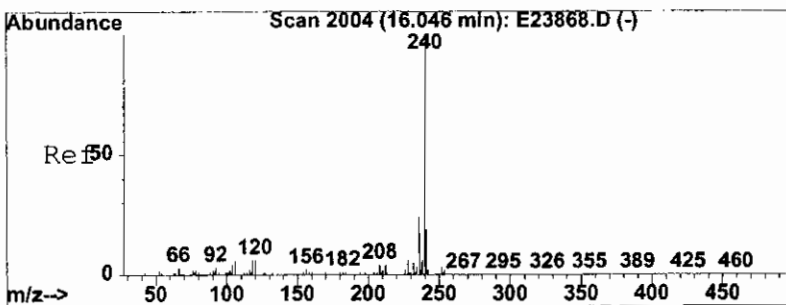
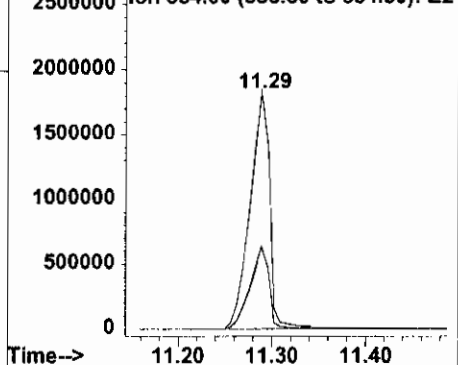
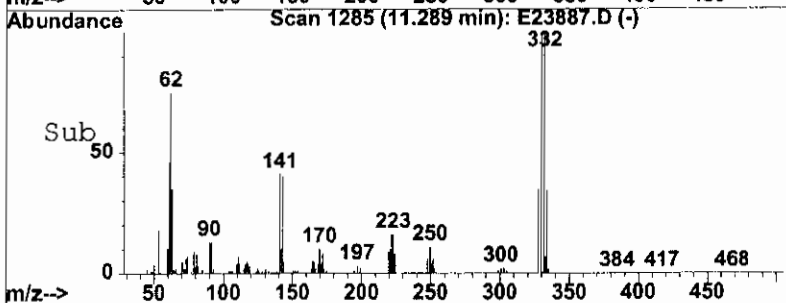
Abundance

Ion 330.00 (329.50 to 330.50): E2

Ion 332.00 (331.50 to 332.50): E2

Ion 328.00 (327.50 to 328.50): E2

Ion 334.00 (333.50 to 334.50): E2



#69

Chrysene-d12

Concen: 40.00 ug/mL

RT: 16.04 min Scan# 2003

Delta R.T. -0.02 min

Lab File: E23887.D

Acq: 13 Apr 2001 2:03 am

Tgt Ion:240 Resp: 3818878

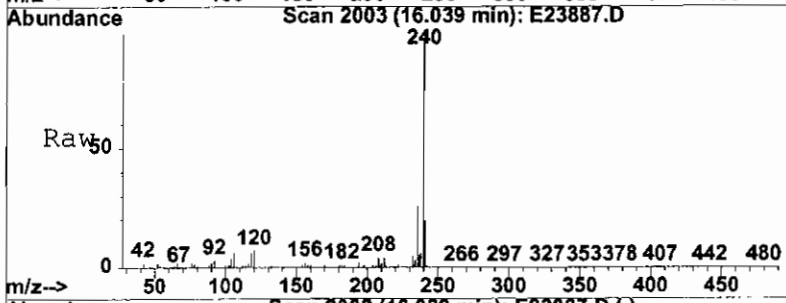
Ion Ratio Lower Upper

240 100

236 25.5 20.1 30.1

241 19.8 15.4 23.0

239 0.2 0.0 0.0#



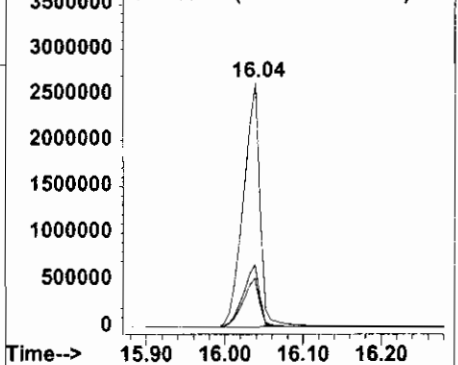
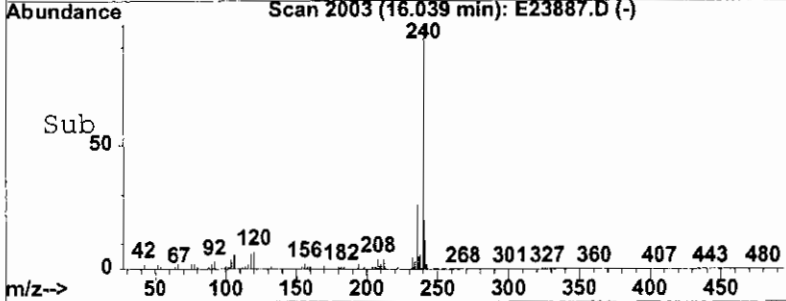
Abundance

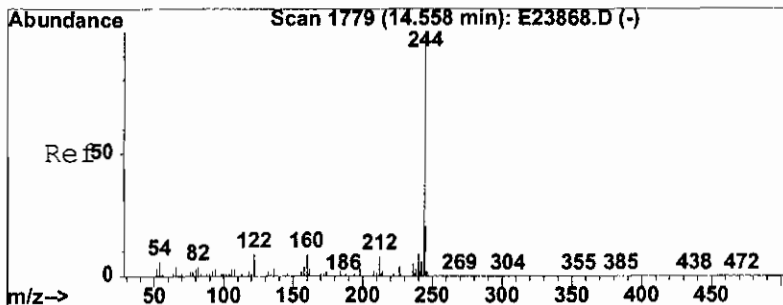
Ion 240.00 (239.50 to 240.50): E2

Ion 236.00 (235.50 to 236.50): E2

Ion 241.00 (240.50 to 241.50): E2

Ion 239.00 (238.50 to 239.50): E2





#70

Terphenyl-d14

Concen: 89.37 ug/mL

RT: 14.57 min Scan# 1781

Delta R.T. 0.00 min

Lab File: E23887.D

Acq: 13 Apr 2001 2:03 am

Tgt Ion:244 Resp: 7668962

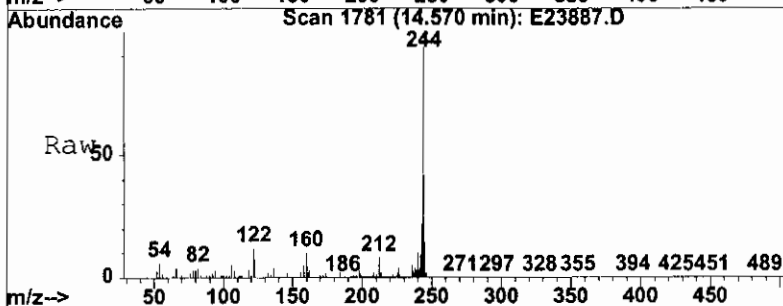
Ion Ratio Lower Upper

244 100

243 23.3 0.0 0.0#

245 20.3 16.2 24.4

240 9.7 7.4 11.2



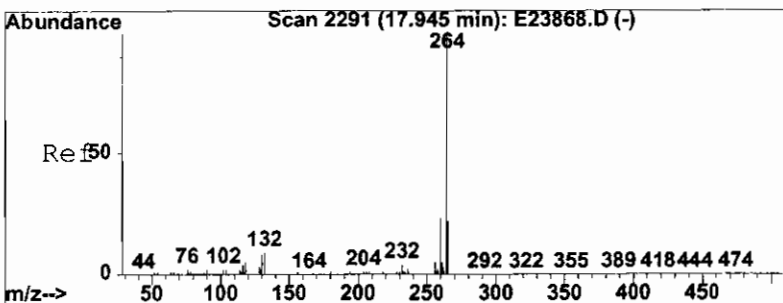
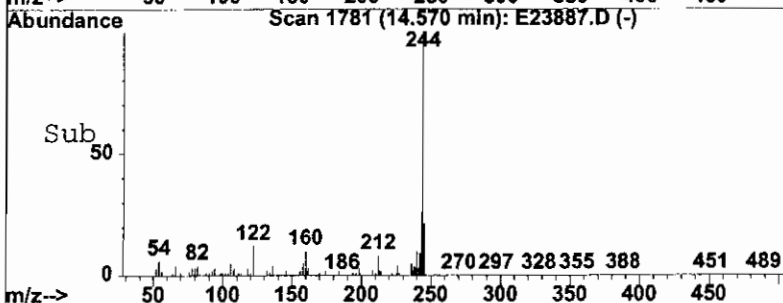
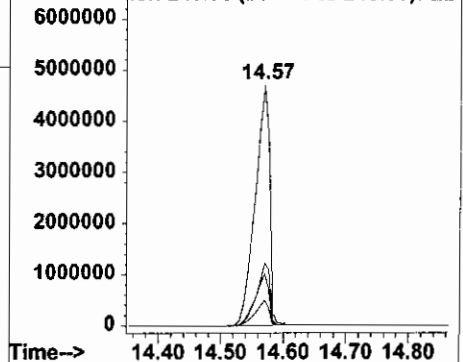
Abundance

Ion 244.00 (243.50 to 244.50): E2

Ion 243.00 (242.50 to 243.50): E2

Ion 245.00 (244.50 to 245.50): E2

Ion 240.00 (239.50 to 240.50): E2



#77

Perylene-d12

Concen: 40.00 ug/mL

RT: 17.94 min Scan# 2291

Delta R.T. -0.02 min

Lab File: E23887.D

Acq: 13 Apr 2001 2:03 am

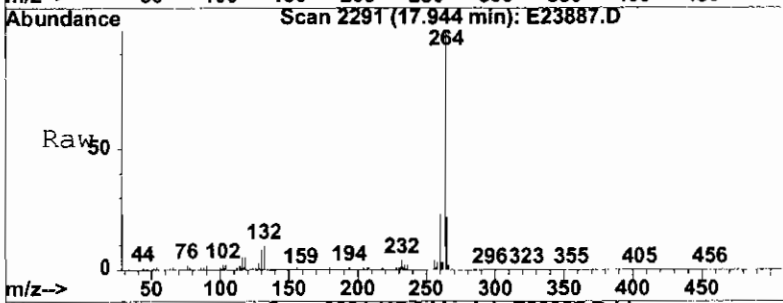
Tgt Ion:264 Resp: 3453645

Ion Ratio Lower Upper

264 100

260 22.6 18.1 27.1

265 21.6 17.6 26.4

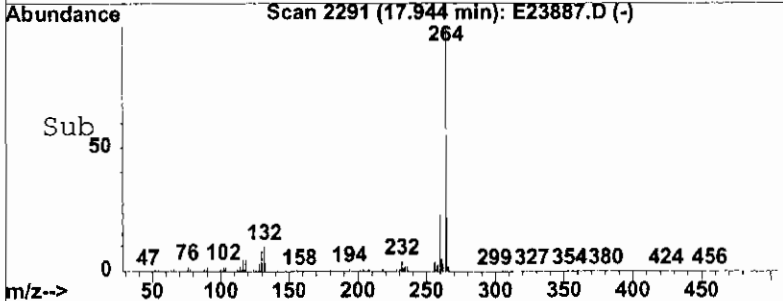
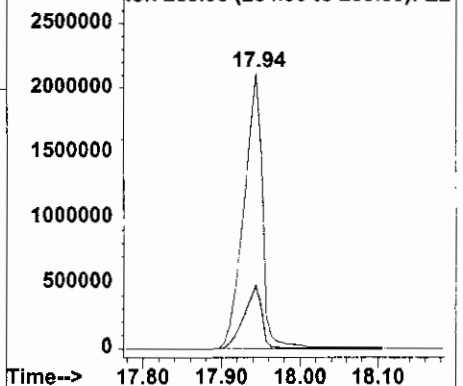


Abundance

Ion 264.00 (263.50 to 264.50): E2

Ion 260.00 (259.50 to 260.50): E2

Ion 265.00 (264.50 to 265.50): E2



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E23888.D

Vial: 27

Acq On : 13 Apr 2001 2:33 am

Operator: RB

Sample : 01040168-15 \$8270S ASPB 30GM\1M 2XL

Inst : BNA NO 2

Misc : QBSV2041201A

Multiplr: 66.66

MS Integration Params: rteint.p

Quant Time: Aug 21 15:35 19101

Quant Results File: BNA2-13.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)

Title : Semivolatiles by GC/MS - EPA Method 625/8270

Last Update : Fri Apr 13 09:29:39 2001

Response via : Initial Calibration

DataAcq Meth : BNA2-12

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.27	152	1389622	40.00	ug/mL	0.01
21) Naphthalene-d8	7.78	136	4390720	40.00	ug/mL	0.00
35) Acenaphthene-d10	10.16	164	2614400	40.00	ug/mL	0.00
57) Phenanthrene-d10	12.23	188	4300629	40.00	ug/mL	-0.02
69) Chrysene-d12	16.04	240	3616394	40.00	ug/mL	-0.02
77) Perylene-d12	17.94	264	3292607	40.00	ug/mL	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	4.99	112	3603084	4017.09	ug/mL	0.05
Spiked Amount 200.000	Range 21 - 100		Recovery = 2008.55%#			
5) Phenol-d5	6.01	99	4719741	3846.59	ug/mL	0.01
Spiked Amount 200.000	Range 10 - 100		Recovery = 1923.30%#			
19) Nitrobenzene-d5	6.94	82	3602059	2965.84	ug/mL	0.00
Spiked Amount 100.000	Range 35 - 114		Recovery = 2965.84%#			
38) 2-Fluorobiphenyl	9.24	172	3102195	1855.06	ug/mL	-0.02
Spiked Amount 100.000	Range 43 - 116		Recovery = 1855.06%#			
59) 2,4,6-Tribromophenol	11.28	330	1342816	4781.37	ug/mL	-0.02
Spiked Amount 200.000	Range 10 - 123		Recovery = 2390.69%#			
70) Terphenyl-d14	14.56	244	4253822	2791.56	ug/mL	0.00
Spiked Amount 100.000	Range 33 - 141		Recovery = 2791.56%#			

Target Compounds

						Qvalue
33) 2-Methylnaphthalene	8.85	142	12510	8.08	ug/mL	93
50) Diethyl phthalate	10.86	149	6926	3.94	ug/mL	95
51) Fluorene	10.91	166	11596m	6.81	ug/mL	
63) Phenanthrene	12.32	178	10628	5.21	ug/mL#	88
64) Anthracene	12.32	178	10628	5.61	ug/mL#	88
65) Di-n-butyl phthalate	13.19	149	34151	15.32	ug/mL#	97
66) Fluoranthene	13.96	202	166583	81.72	ug/mL#	95
68) Pyrene	14.27	202	136241	68.21	ug/mL	96
72) Bis(2-ethylhexyl)phthalate	16.20	149	66985	44.41	ug/mL#	98
73) Benz(a)anthracene	16.00	228	36164m	19.19	ug/mL	
75) Chrysene	16.06	228	64994m	38.27	ug/mL	
76) Di-n-octylphthalate	17.07	149	143549	59.29	ug/mL#	80
78) Benzo(b)fluoranthene	17.46	252	43868m	16.70	ug/mL	
79) Benzo(k)fluoranthene	17.49	252	30168m	14.70	ug/mL	
80) Benz(a)pyrene	17.79	252	27582m	14.41	ug/mL	
81) Indeno(1,2,3-c,d)pyrene	19.29	276	24315m	11.37	ug/mL	

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

E23888.D BNA2-13.M

Tue Aug 21 15:35:54 2001

000494

Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\E23888.D

Vial: 27

Acq On : 13 Apr 2001 2:33 am

Operator: RB

Sample : 01040168-15 \$8270S ASPB 30GM\1M 2XL

Inst : BNA NO 2

Misc : QBSV2041201A

Multiplr: 66.66

MS Integration Params: rteint.p

Quant Time: Aug 21 15:35 19101

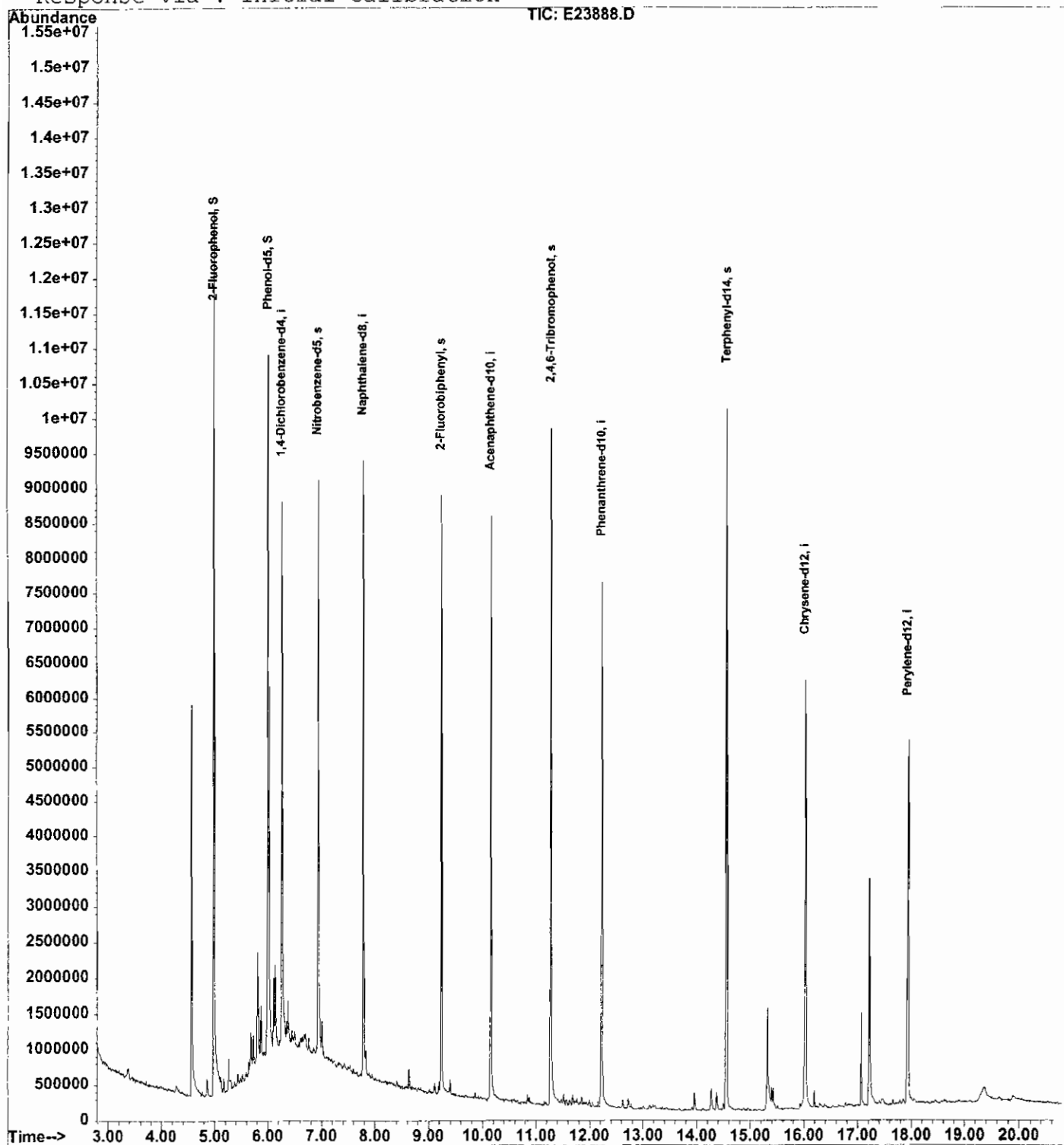
Quant Results File: BNA2-13.RES

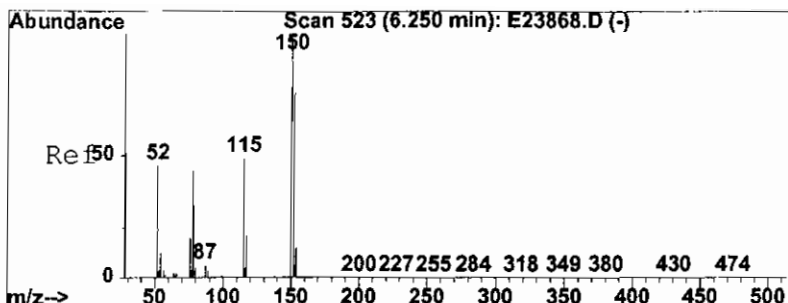
Method : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)

Title : Semivolatiles by GC/MS - EPA Method 625/8270

Last Update : Fri Apr 13 09:29:39 2001

Response via : Initial Calibration

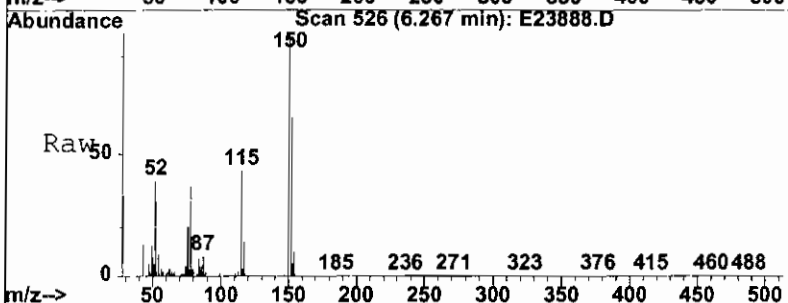




#1
 1,4-Dichlorobenzene-d4
 Concen: 40.00 ug/mL
 RT: 6.27 min Scan# 526
 Delta R.T. 0.01 min
 Lab File: E23888.D
 Acq: 13 Apr 2001 2:33 am

Tgt Ion:152 Resp: 1389622

Ion	Ratio	Lower	Upper
152	100		
150	156.0	169.4	254.2#
115	68.6	70.3	105.5#
78	61.6	76.0	114.0#



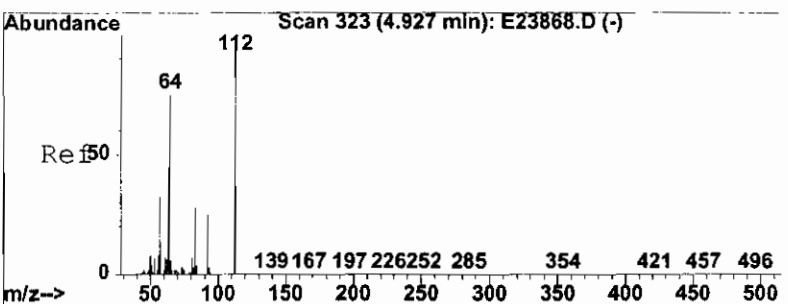
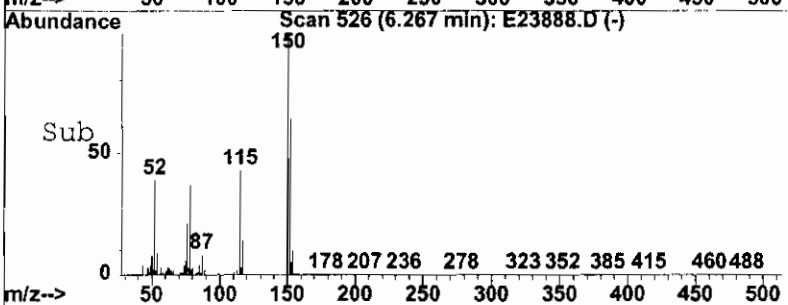
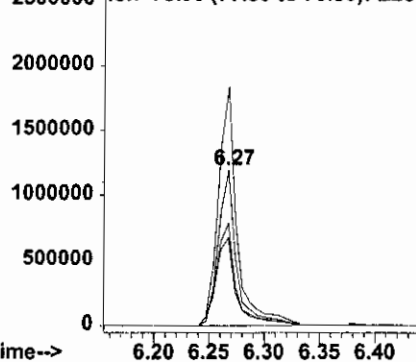
Abundance

Ion 152.00 (151.50 to 152.50): E2

Ion 150.00 (149.50 to 150.50): E2

Ion 115.00 (114.50 to 115.50): E2

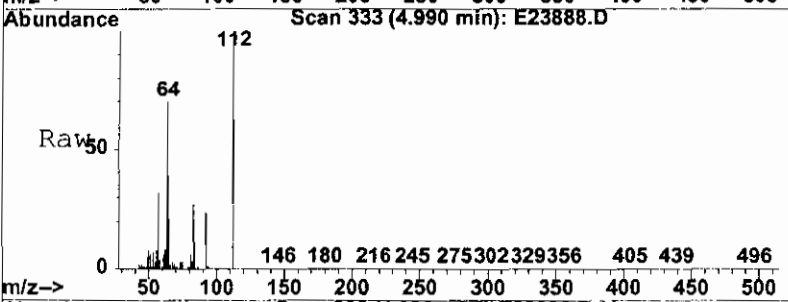
Ion 78.00 (77.50 to 78.50): E238



#4
 2-Fluorophenol
 Concen: 4017.09 ug/mL
 RT: 4.99 min Scan# 333
 Delta R.T. 0.05 min
 Lab File: E23888.D
 Acq: 13 Apr 2001 2:33 am

Tgt Ion:112 Resp: 3603084

Ion	Ratio	Lower	Upper
112	100		
64	74.4	58.7	88.1
92	24.2	18.2	27.2

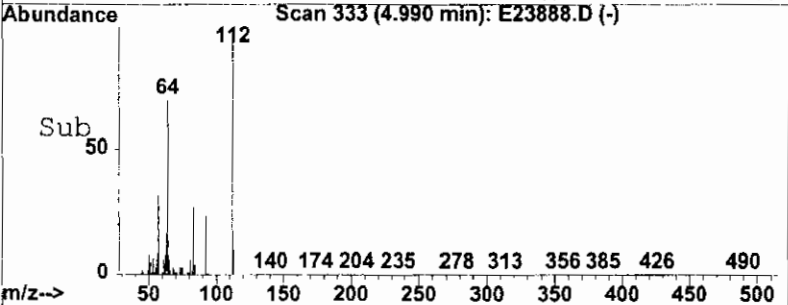
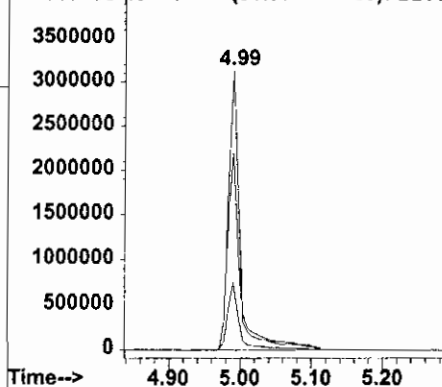


Abundance

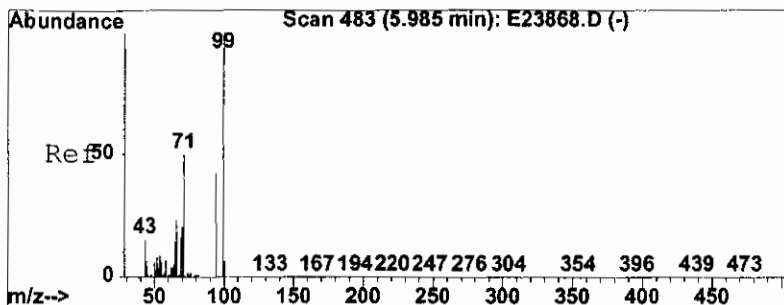
Ion 112.00 (111.50 to 112.50): E2

Ion 64.00 (63.50 to 64.50): E238

Ion 92.00 (91.50 to 92.50): E238



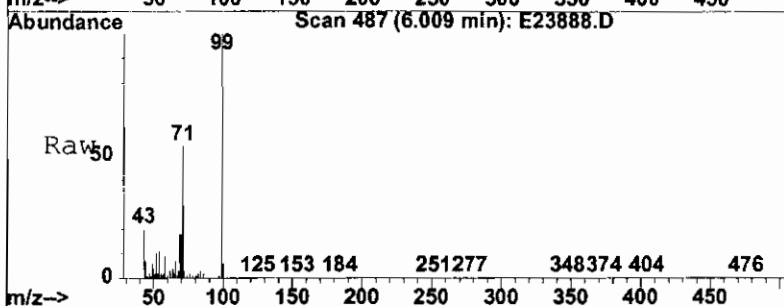
000496



#5
Phenol-d5
Concen: 3846.59 ug/mL
RT: 6.01 min Scan# 487
Delta R.T. 0.01 min
Lab File: E23888.D
Acq: 13 Apr 2001 2:33 am

Tgt Ion: 99 Resp: 4719741

Ion	Ratio	Lower	Upper
99	100		
71	54.9	43.1	64.7
70	20.9	16.6	24.8

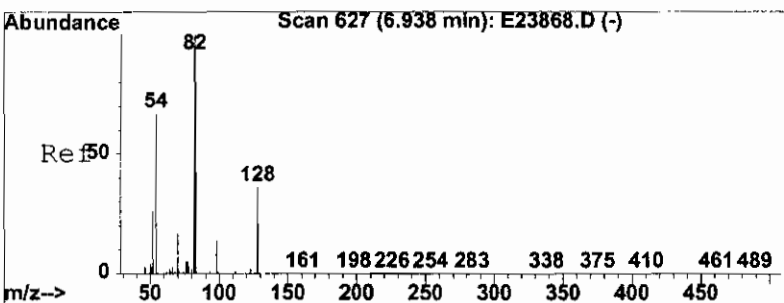
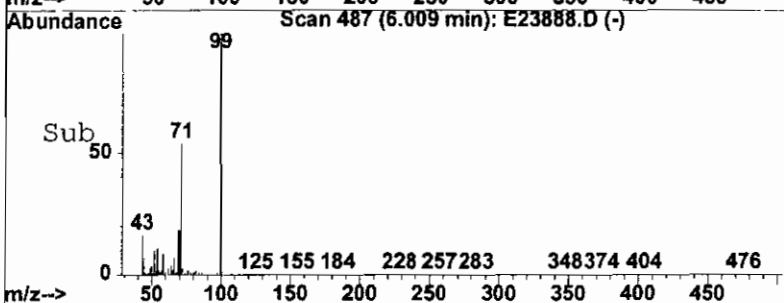
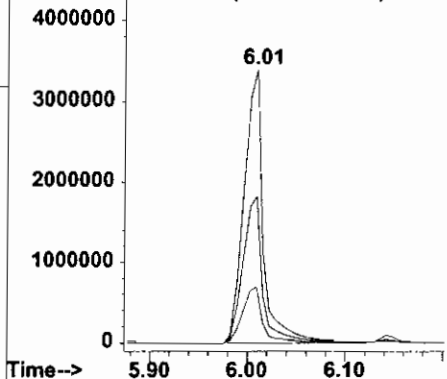


Abundance

Ion 99.00 (98.50 to 99.50): E238

Ion 71.00 (70.50 to 71.50): E238

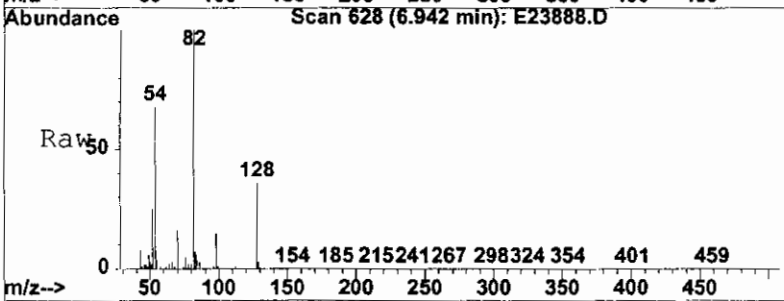
Ion 70.00 (69.50 to 70.50): E238



#19
Nitrobenzene-d5
Concen: 2965.84 ug/mL
RT: 6.94 min Scan# 628
Delta R.T. -0.00 min
Lab File: E23888.D
Acq: 13 Apr 2001 2:33 am

Tgt Ion: 82 Resp: 3602059

Ion	Ratio	Lower	Upper
82	100		
54	70.7	24.7	37.1#
128	34.3	1.8	2.6#

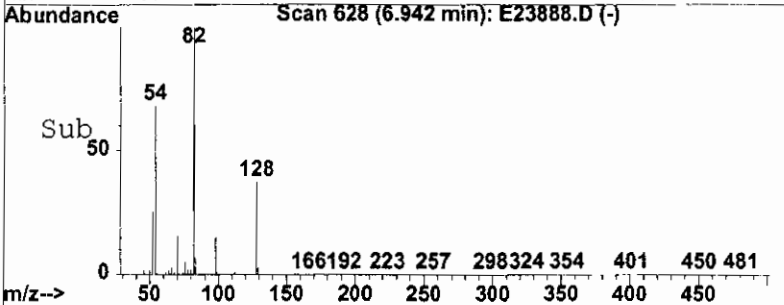
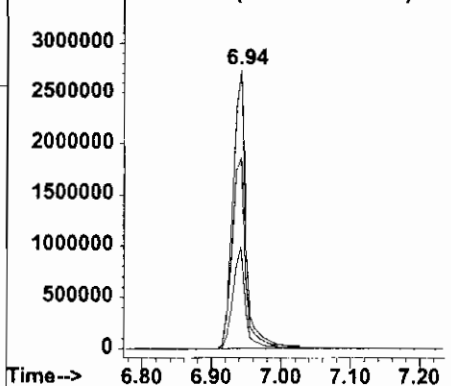


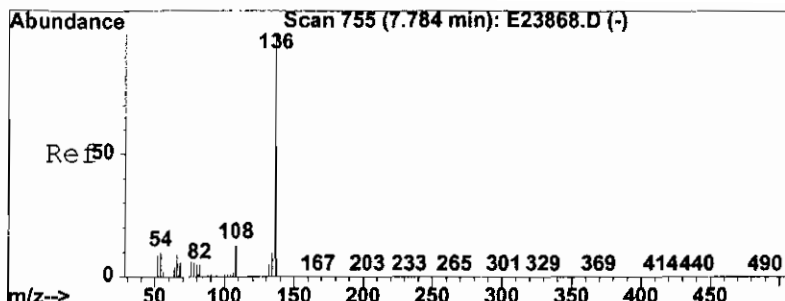
Abundance

Ion 82.00 (81.50 to 82.50): E238

Ion 54.00 (53.50 to 54.50): E238

Ion 128.00 (127.50 to 128.50): E2

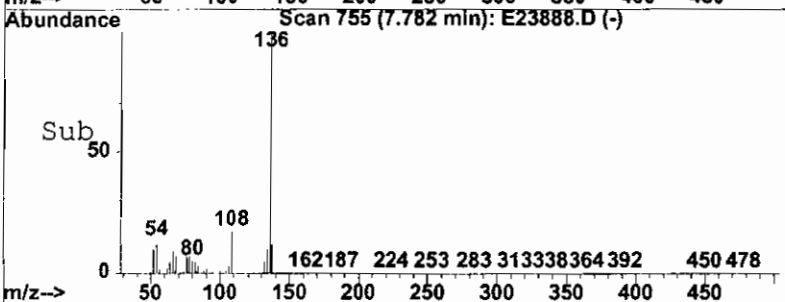
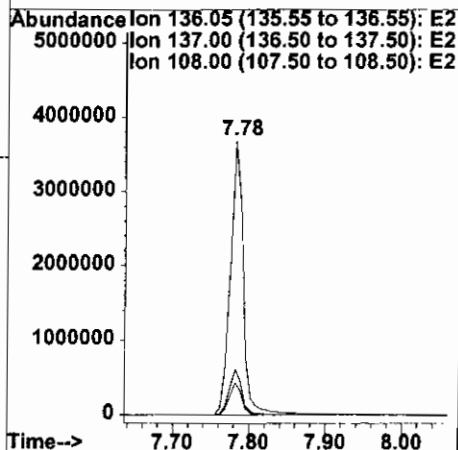
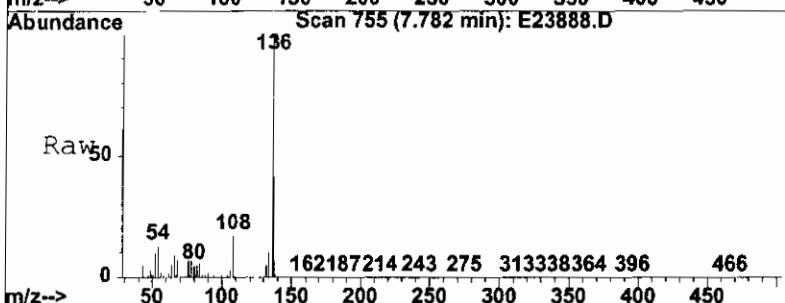




#21
Naphthalene-d8
Concen: 40.00 ug/mL
RT: 7.78 min Scan# 755
Delta R.T. -0.01 min
Lab File: E23888.D
Acq: 13 Apr 2001 2:33 am

Tgt Ion:136 Resp: 4390720

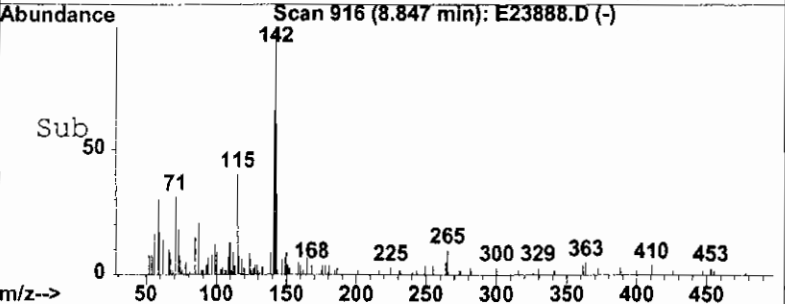
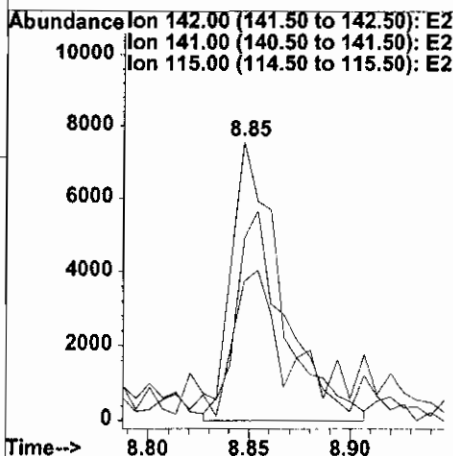
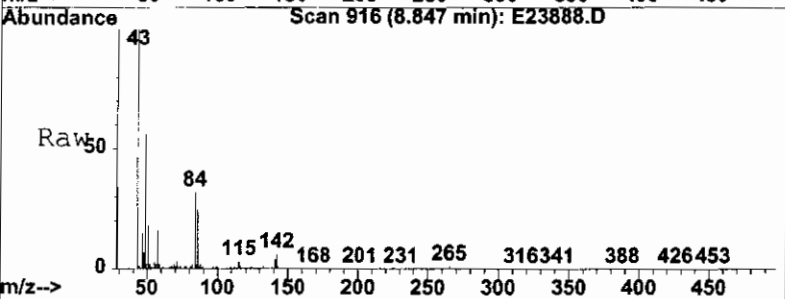
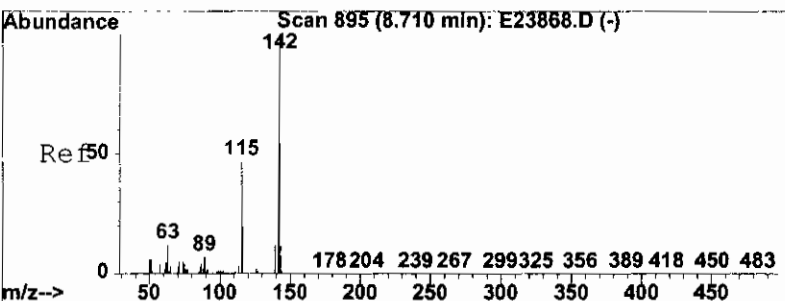
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
108	16.1	12.8	19.2

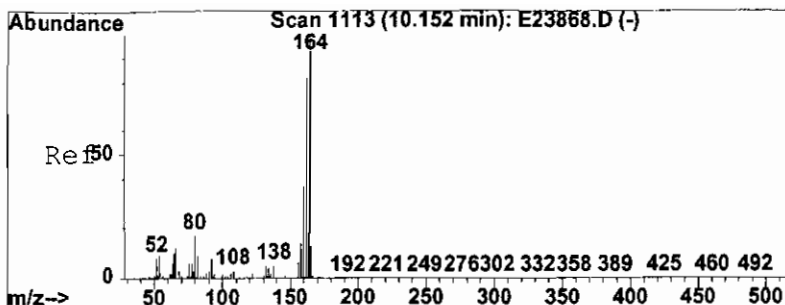


#33
2-Methylnaphthalene
Concen: 8.08 ug/mL
RT: 8.85 min Scan# 916
Delta R.T. 0.13 min
Lab File: E23888.D
Acq: 13 Apr 2001 2:33 am

Tgt Ion:142 Resp: 12510

Ion	Ratio	Lower	Upper
142	100		
141	77.0	67.0	100.6
115	52.0	38.4	57.6

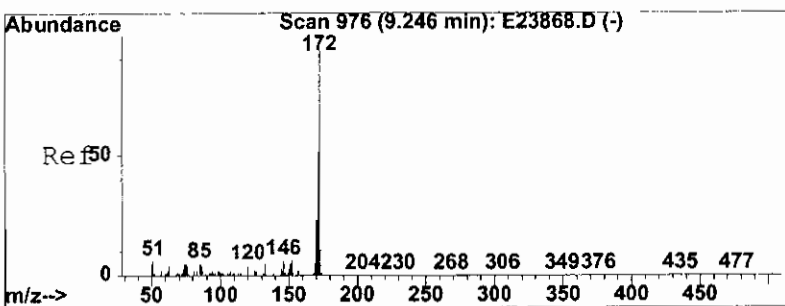
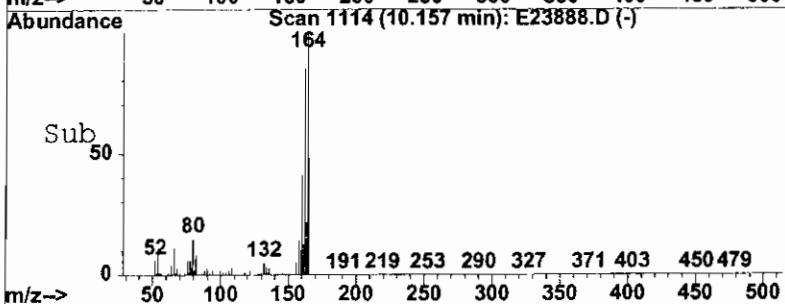
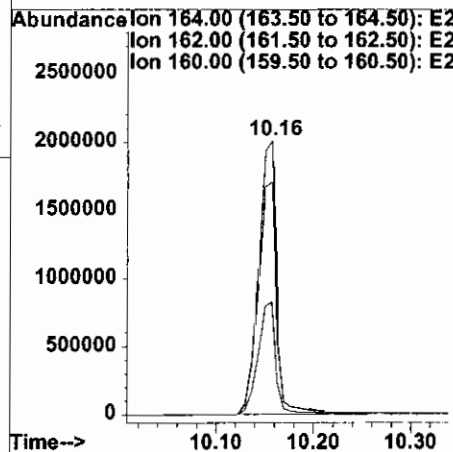
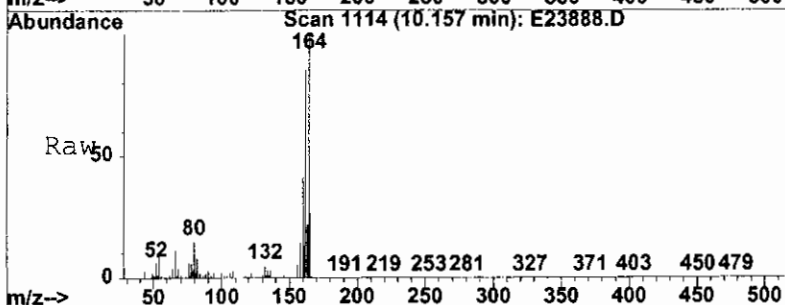




#35
Acenaphthene-d10
Concen: 40.00 ug/mL
RT: 10.16 min Scan# 1114
Delta R.T. -0.01 min
Lab File: E23888.D
Acq: 13 Apr 2001 2:33 am

Tgt Ion:164 Resp: 2614400

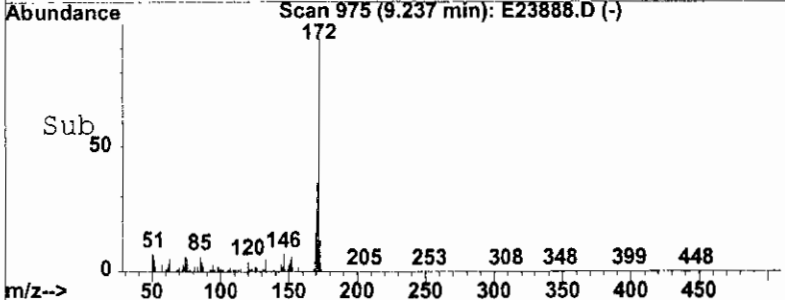
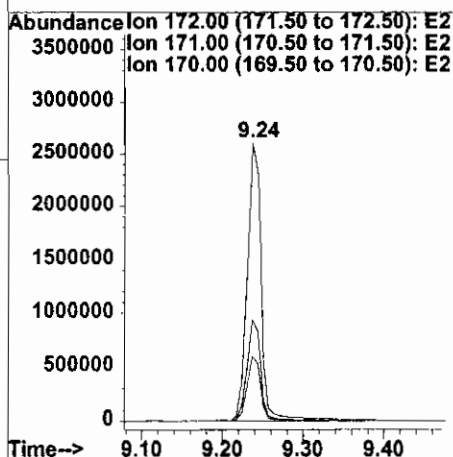
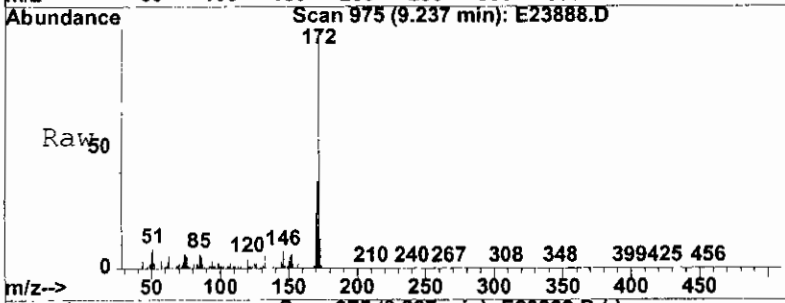
Ion	Ratio	Lower	Upper
164	100		
162	88.0	69.4	104.2
160	40.7	31.8	47.6

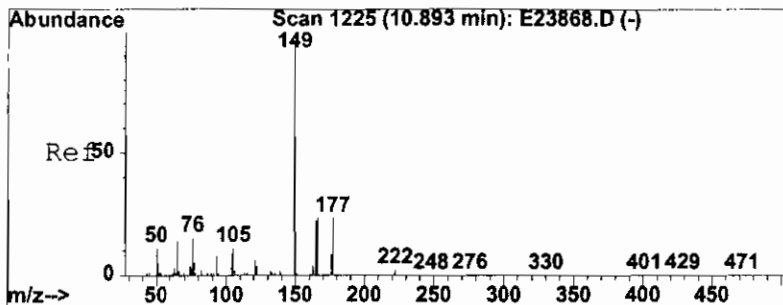


#38
2-Fluorobiphenyl
Concen: 1855.06 ug/mL
RT: 9.24 min Scan# 975
Delta R.T. -0.02 min
Lab File: E23888.D
Acq: 13 Apr 2001 2:33 am

Tgt Ion:172 Resp: 3102195

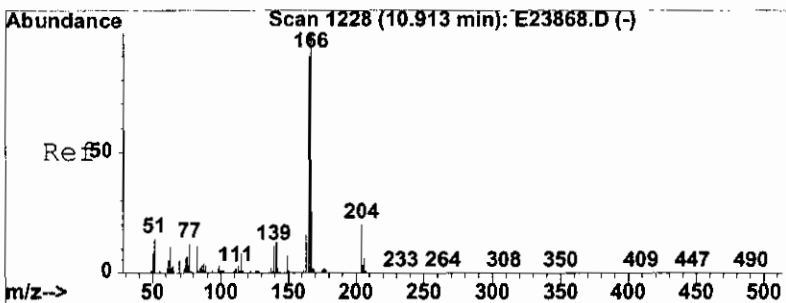
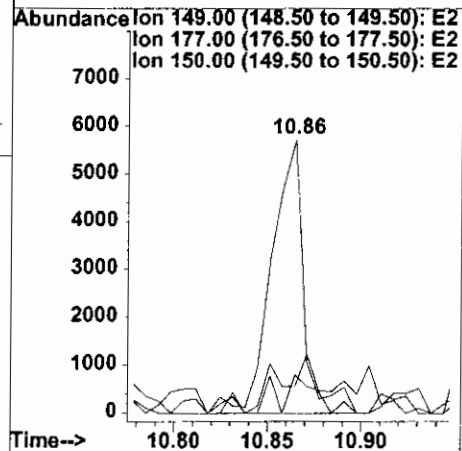
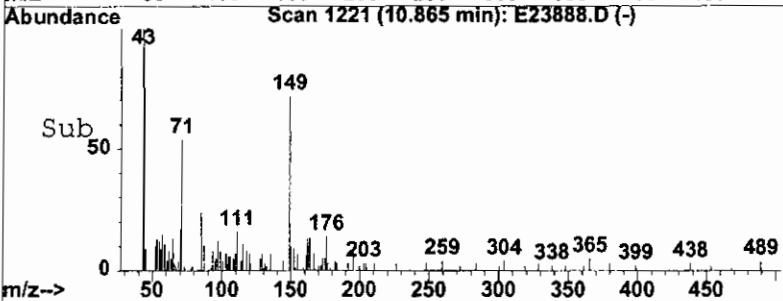
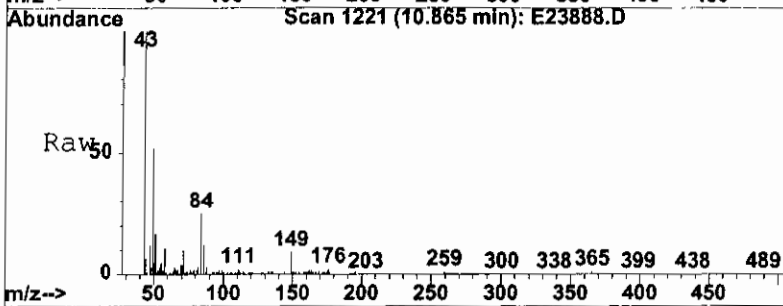
Ion	Ratio	Lower	Upper
172	100		
171	35.2	30.5	45.7
170	22.8	19.3	28.9





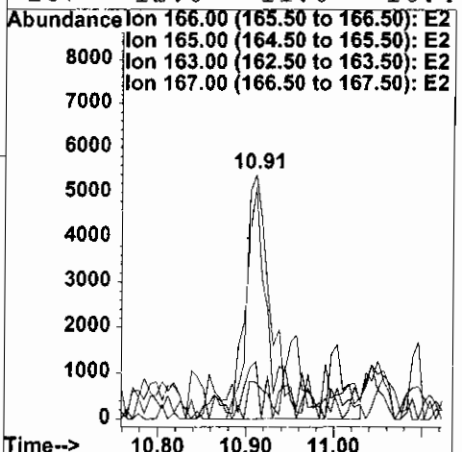
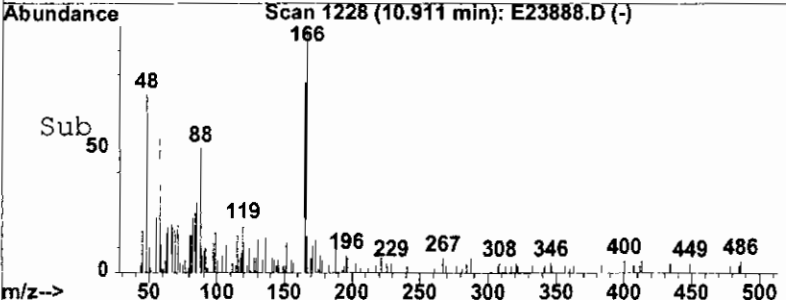
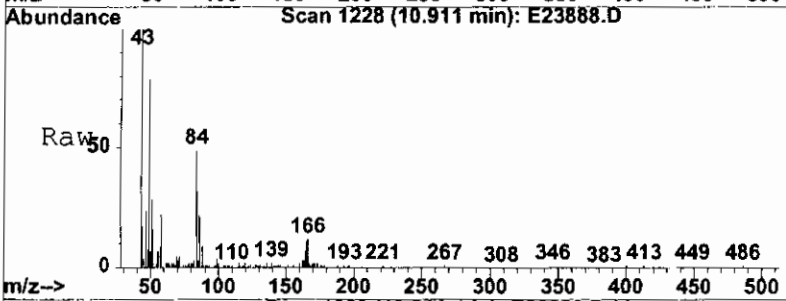
#50
Diethyl phthalate
Concen: 3.94 ug/mL
RT: 10.86 min Scan# 1221
Delta R.T. -0.04 min
Lab File: E23888.D
Acq: 13 Apr 2001 2:33 am

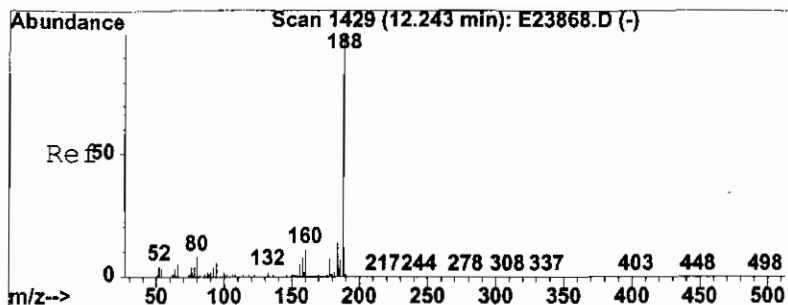
Tgt Ion:149 Resp: 6926
Ion Ratio Lower Upper
149 100
177 26.4 18.4 27.6
150 13.0 10.0 15.0



#51
Fluorene
Concen: 6.81 ug/mL m
RT: 10.91 min Scan# 1228
Delta R.T. -0.01 min
Lab File: E23888.D
Acq: 13 Apr 2001 2:33 am

Tgt Ion:166 Resp: 11596
Ion Ratio Lower Upper
166 100
165 69.6 71.9 107.9#
163 13.6 12.5 18.7
167 12.0 11.0 16.4

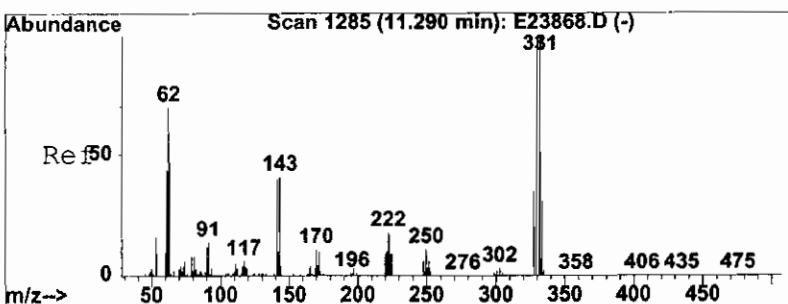
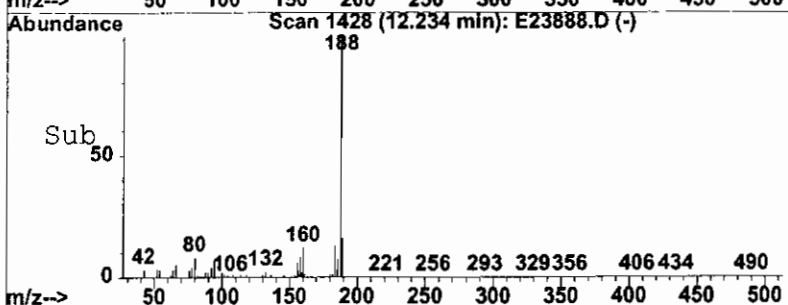
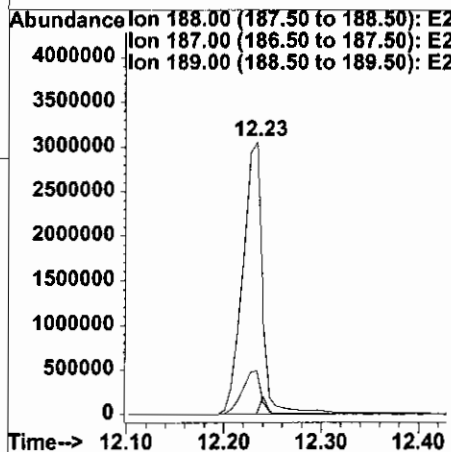
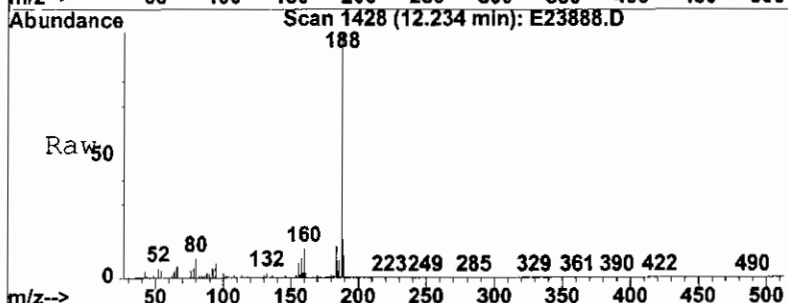




#57
Phenanthrene-d10
Concen: 40.00 ug/mL
RT: 12.23 min Scan# 1428
Delta R.T. -0.02 min
Lab File: E23888.D
Acq: 13 Apr 2001 2:33 am

Tgt Ion: 188 Resp: 4300629

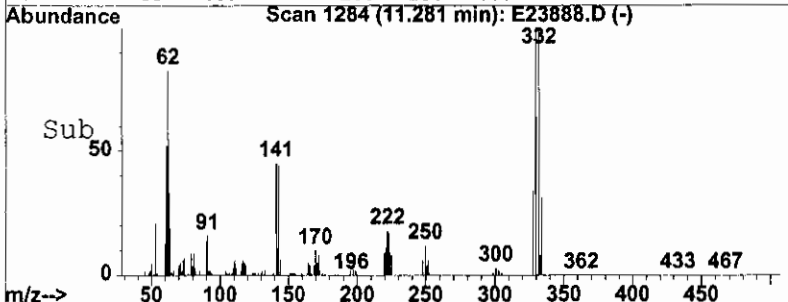
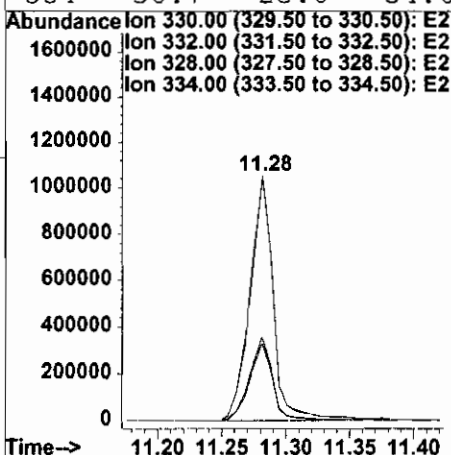
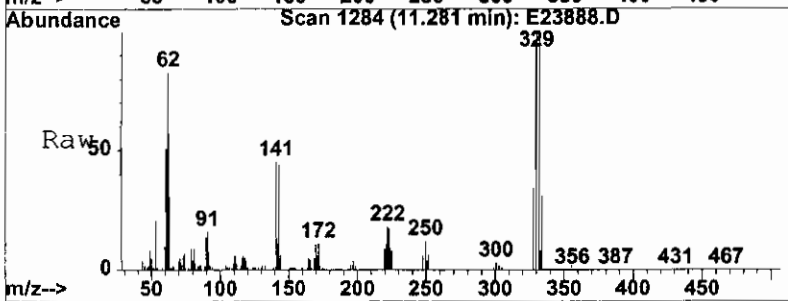
Ion	Ratio	Lower	Upper
188	100		
187	2.4	1.4	2.2#
189	15.4	12.5	18.7

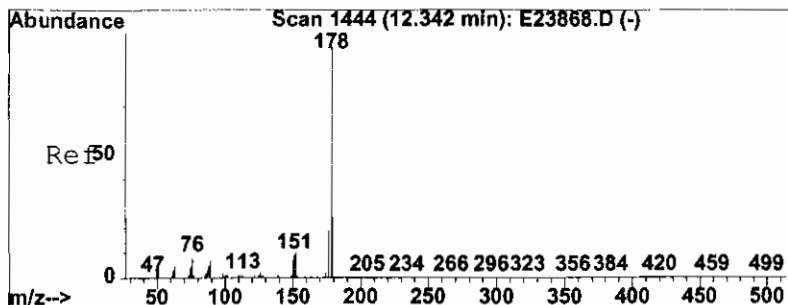


#59
2,4,6-Tribromophenol
Concen: 4781.37 ug/mL
RT: 11.28 min Scan# 1284
Delta R.T. -0.02 min
Lab File: E23888.D
Acq: 13 Apr 2001 2:33 am

Tgt Ion: 330 Resp: 1342816

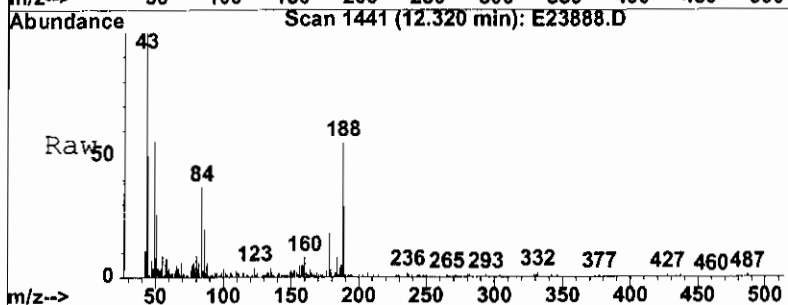
Ion	Ratio	Lower	Upper
330	100		
332	97.9	76.1	114.1
328	33.7	25.8	38.6
334	30.7	23.0	34.6



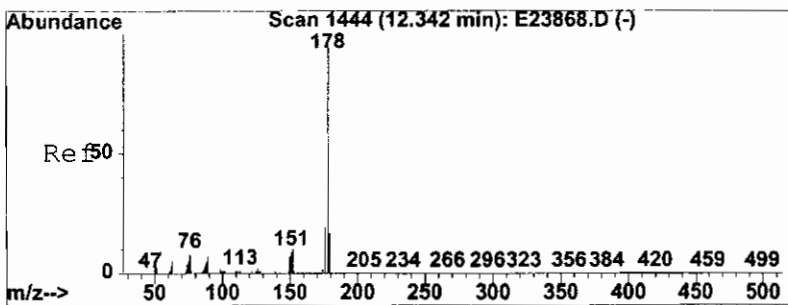
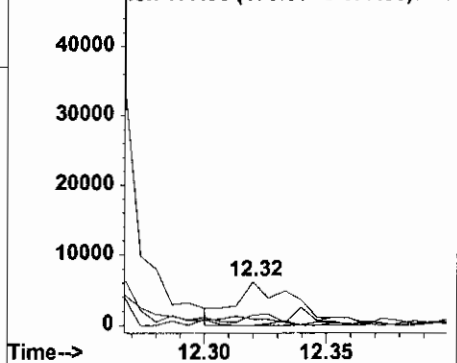
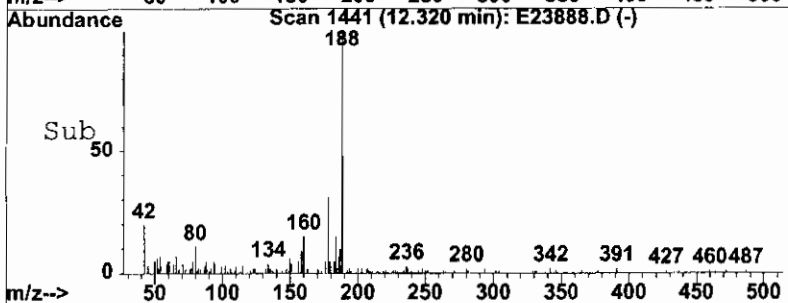


#63
Phenanthrene
Concen: 5.21 ug/mL
RT: 12.32 min Scan# 1441
Delta R.T. 0.01 min
Lab File: E23888.D
Acq: 13 Apr 2001 2:33 am

Tgt Ion:178 Resp: 10628
Ion Ratio Lower Upper
178 100
176 14.4 15.4 23.0#
179 10.3 13.0 19.6#
177 6.0 0.1 0.1#

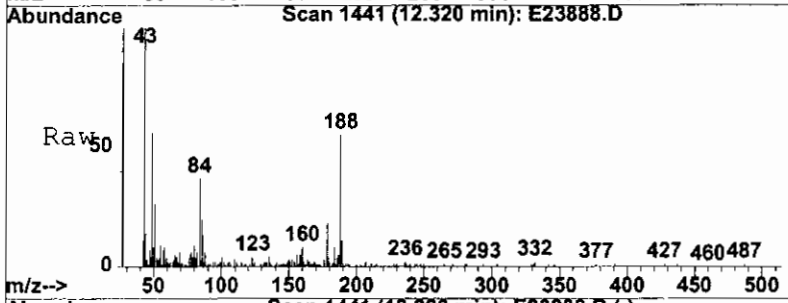


Abundance Ion 178.00 (177.50 to 178.50): E2
Ion 176.00 (175.50 to 176.50): E2
Ion 179.00 (178.50 to 179.50): E2
Ion 177.00 (176.50 to 177.50): E2

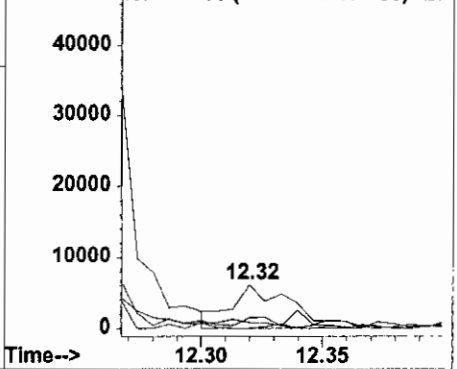
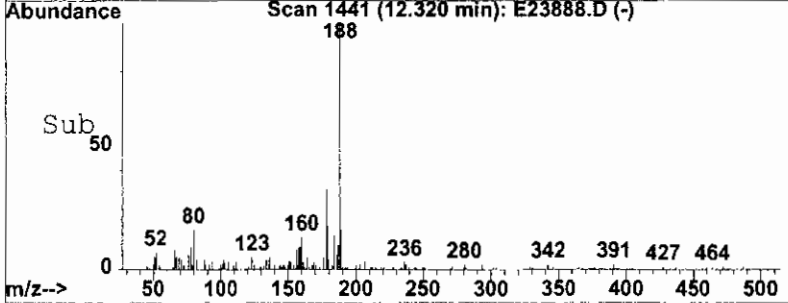


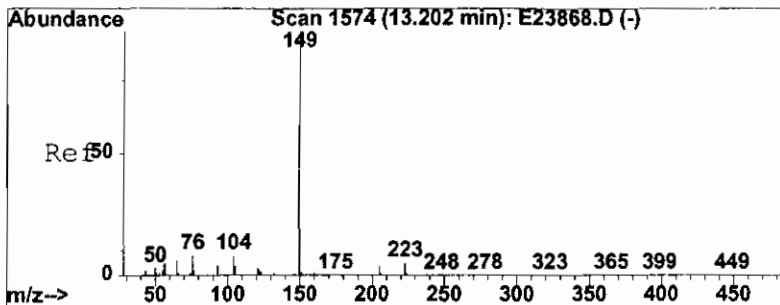
#64
Anthracene
Concen: 5.61 ug/mL
RT: 12.32 min Scan# 1441
Delta R.T. -0.04 min
Lab File: E23888.D
Acq: 13 Apr 2001 2:33 am

Tgt Ion:178 Resp: 10628
Ion Ratio Lower Upper
178 100
176 14.4 15.4 23.0#
179 10.3 13.0 19.6#
177 6.0 0.1 0.1#



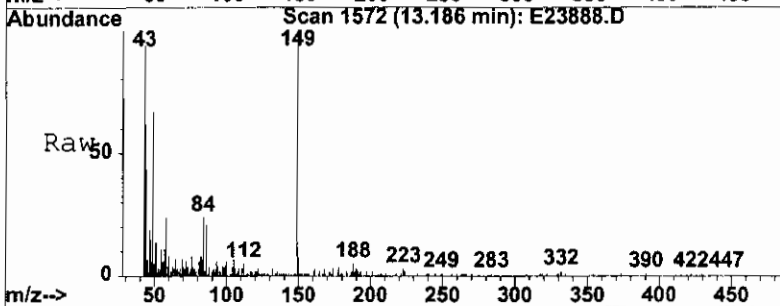
Abundance Ion 178.00 (177.50 to 178.50): E2
Ion 176.00 (175.50 to 176.50): E2
Ion 179.00 (178.50 to 179.50): E2
Ion 177.00 (176.50 to 177.50): E2



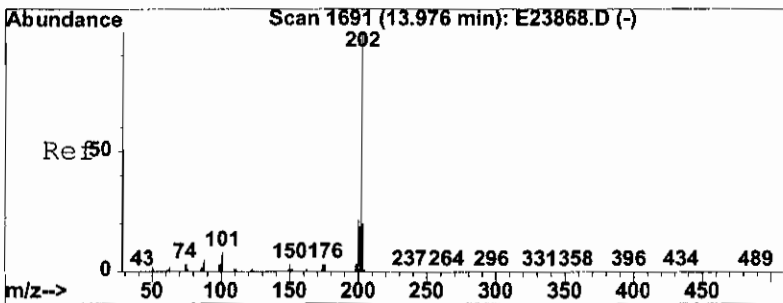
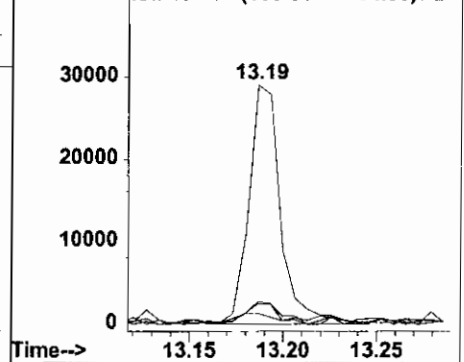
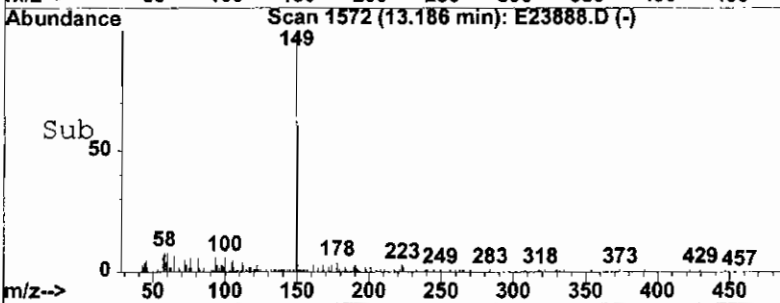


#65
Di-n-butyl phthalate
Concen: 15.32 ug/mL
RT: 13.19 min Scan# 1572
Delta R.T. -0.03 min
Lab File: E23888.D
Acq: 13 Apr 2001 2:33 am

Tgt Ion:149 Resp: 34151
Ion Ratio Lower Upper
149 100
150 10.4 8.1 12.1
76 10.3 6.8 10.2#
104 5.8 6.1 9.1#

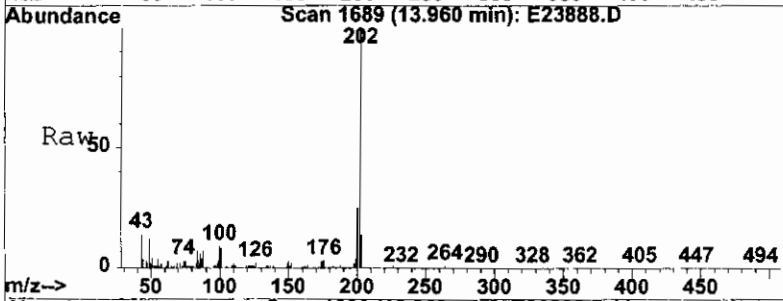


Abundance Ion 149.00 (148.50 to 149.50): E2
Ion 150.00 (149.50 to 150.50): E2
Ion 76.00 (75.50 to 76.50): E238
Ion 104.00 (103.50 to 104.50): E2

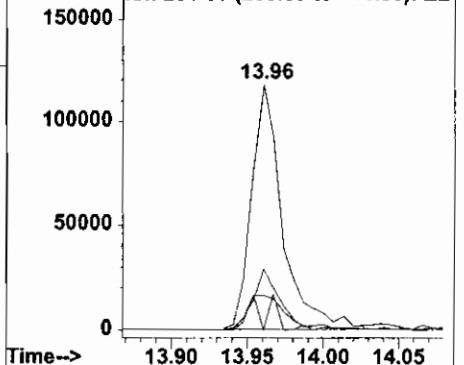
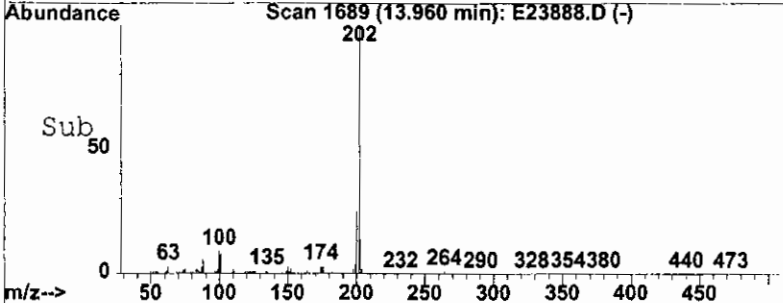


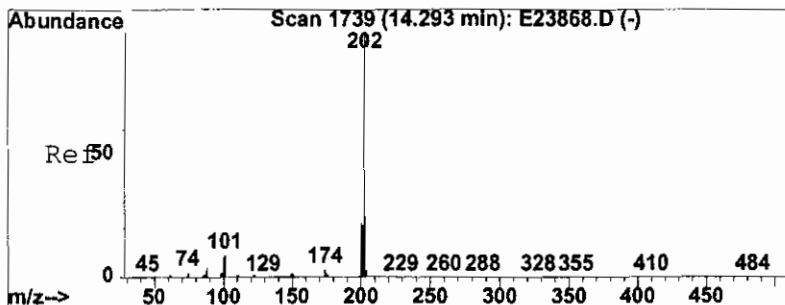
#66
Fluoranthene
Concen: 81.72 ug/mL
RT: 13.96 min Scan# 1689
Delta R.T. -0.03 min
Lab File: E23888.D
Acq: 13 Apr 2001 2:33 am

Tgt Ion:202 Resp: 166583
Ion Ratio Lower Upper
202 100
200 23.7 17.5 26.3
203 16.9 14.9 22.3
201 9.0 2.6 4.0#



Abundance Ion 202.00 (201.50 to 202.50): E2
Ion 200.00 (199.50 to 200.50): E2
Ion 203.00 (202.50 to 203.50): E2
Ion 201.00 (200.50 to 201.50): E2





#68

Pyrene

Concen: 68.21 ug/mL

RT: 14.27 min Scan# 1736

Delta R.T. -0.03 min

Lab File: E23888.D

Acq: 13 Apr 2001 2:33 am

Tgt Ion:202 Resp: 136241

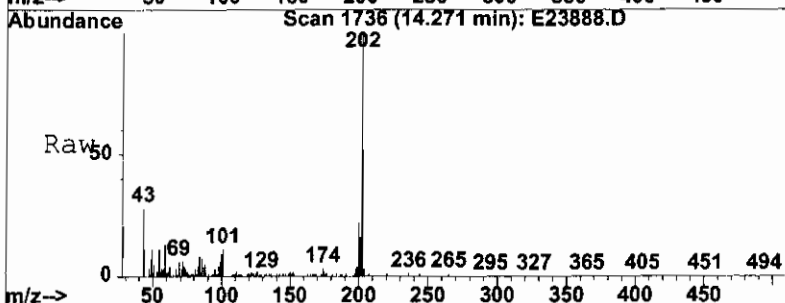
Ion Ratio Lower Upper

202 100

200 21.1 17.0 25.6

203 23.1 15.9 23.9

201 19.0 16.5 24.7



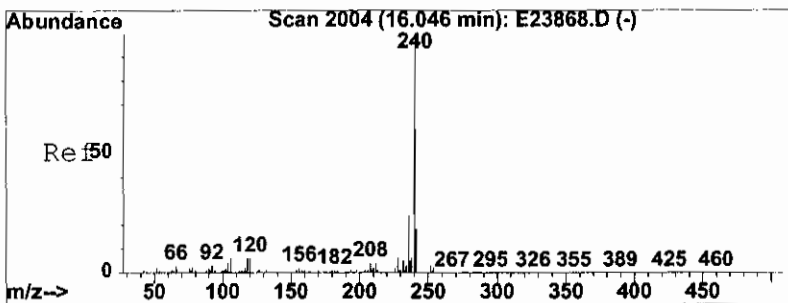
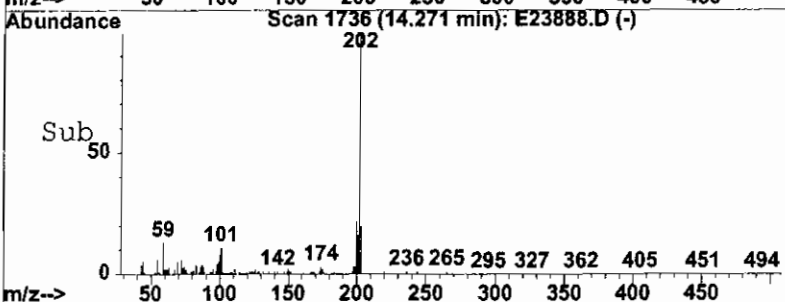
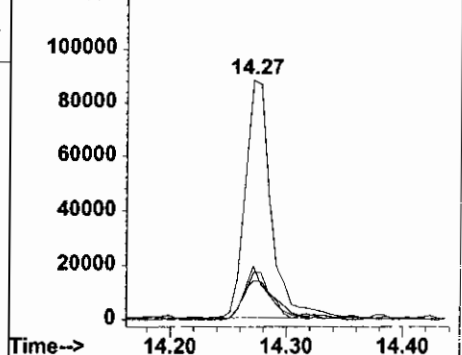
Abundance

Ion 202.00 (201.50 to 202.50): E2

Ion 200.00 (199.50 to 200.50): E2

Ion 203.00 (202.50 to 203.50): E2

Ion 201.00 (200.50 to 201.50): E2



#69

Chrysene-d12

Concen: 40.00 ug/mL

RT: 16.04 min Scan# 2003

Delta R.T. -0.02 min

Lab File: E23888.D

Acq: 13 Apr 2001 2:33 am

Tgt Ion:240 Resp: 3616394

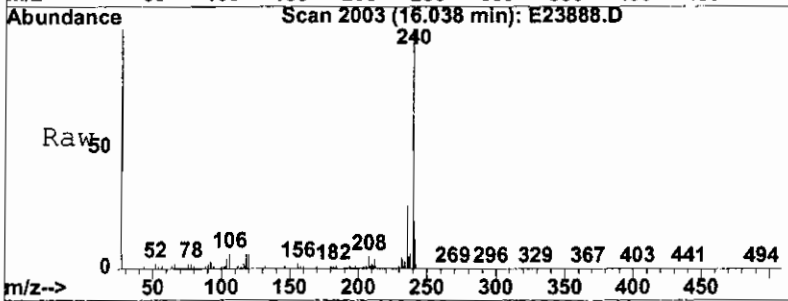
Ion Ratio Lower Upper

240 100

236 26.1 20.1 30.1

241 19.6 15.4 23.0

239 0.0 0.0 0.0#



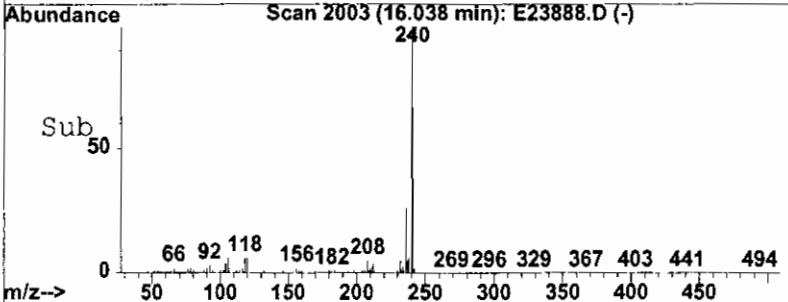
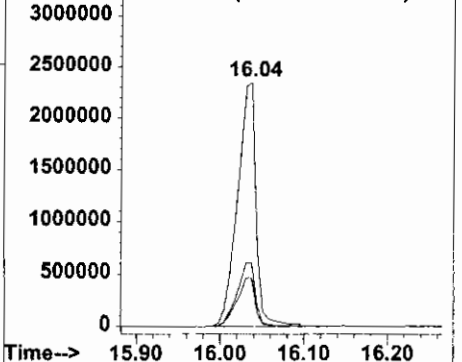
Abundance

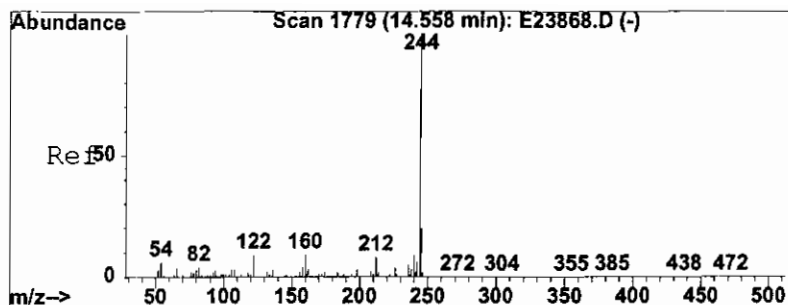
Ion 240.00 (239.50 to 240.50): E2

Ion 236.00 (235.50 to 236.50): E2

Ion 241.00 (240.50 to 241.50): E2

Ion 239.00 (238.50 to 239.50): E2

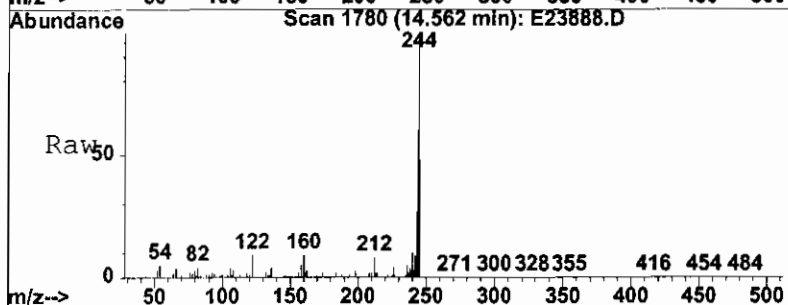




#70
 Terphenyl-d14
 Concen: 2791.56 ug/mL
 RT: 14.56 min Scan# 1780
 Delta R.T. -0.00 min
 Lab File: E23888.D
 Acq: 13 Apr 2001 2:33 am

Tgt Ion: 244 Resp: 4253822

Ion	Ratio	Lower	Upper
244	100		
243	22.7	0.0	0.0#
245	19.7	16.2	24.4
240	9.6	7.4	11.2



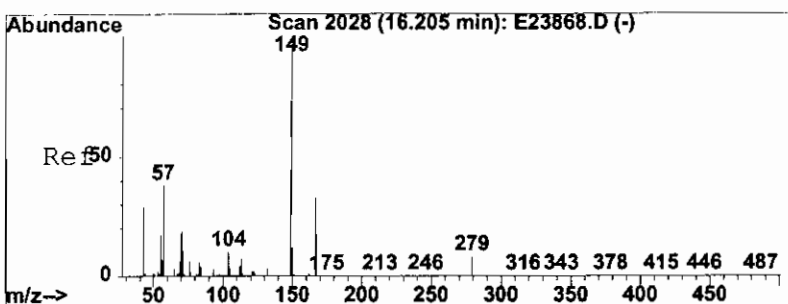
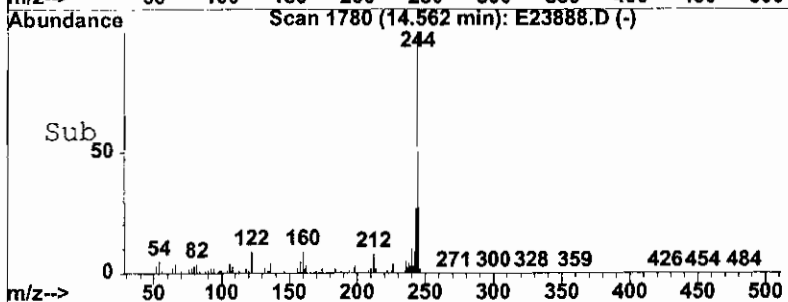
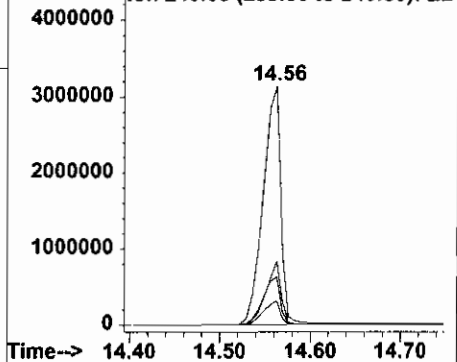
Abundance

Ion 244.00 (243.50 to 244.50): E2

Ion 243.00 (242.50 to 243.50): E2

Ion 245.00 (244.50 to 245.50): E2

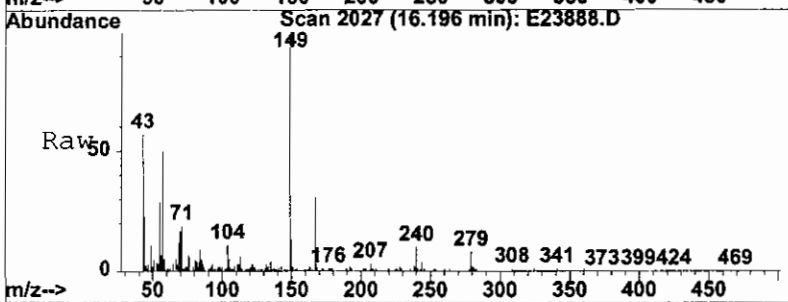
Ion 240.00 (239.50 to 240.50): E2



#72
 Bis(2-ethylhexyl)phthalate
 Concen: 44.41 ug/mL
 RT: 16.20 min Scan# 2027
 Delta R.T. -0.02 min
 Lab File: E23888.D
 Acq: 13 Apr 2001 2:33 am

Tgt Ion: 149 Resp: 66985

Ion	Ratio	Lower	Upper
149	100		
167	32.8	26.8	40.2
150	12.7	9.4	14.2
279	10.1	6.6	9.8#



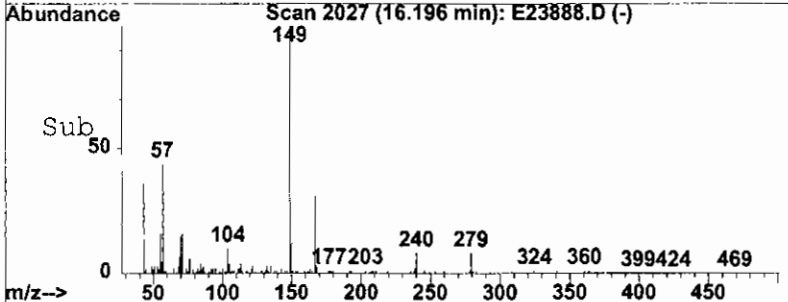
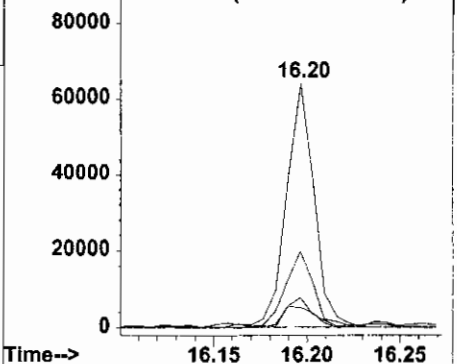
Abundance

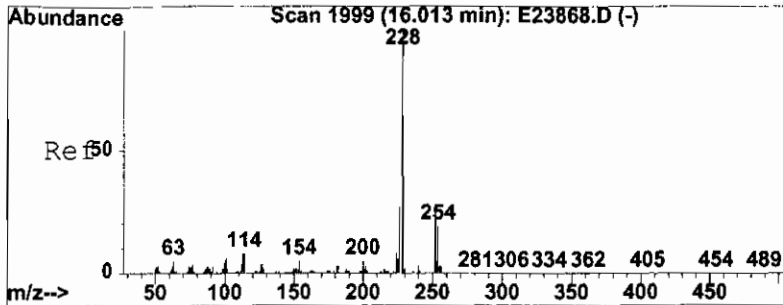
Ion 149.00 (148.50 to 149.50): E2

Ion 167.00 (166.50 to 167.50): E2

Ion 150.00 (149.50 to 150.50): E2

Ion 279.00 (278.50 to 279.50): E2





#73

Benz(a)anthracene

Concen: 19.19 ug/mL m

RT: 16.00 min Scan# 1997

Delta R.T. -0.03 min

Lab File: E23888.D

Acq: 13 Apr 2001 2:33 am

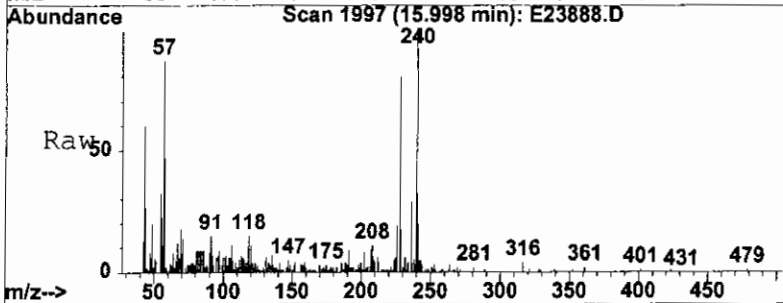
Tgt Ion:228 Resp: 36164

Ion Ratio Lower Upper

228 100

226 44.9 21.8 32.8#

229 37.9 16.2 24.2#

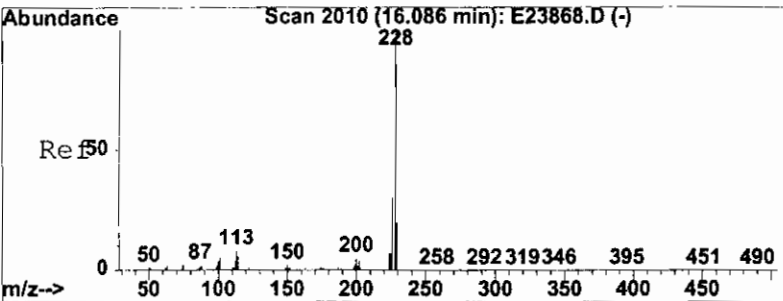
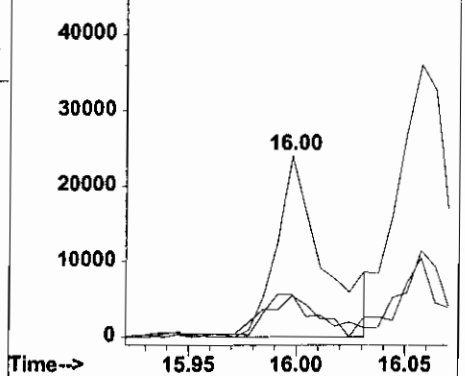
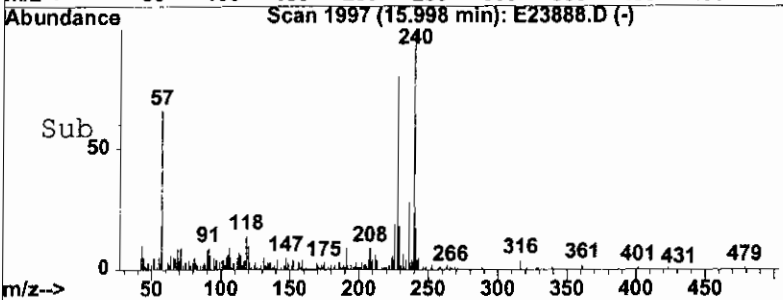


Abundance

Ion 228.00 (227.50 to 228.50): E2

Ion 226.00 (225.50 to 226.50): E2

Ion 229.00 (228.50 to 229.50): E2



#75

Chrysene

Concen: 38.27 ug/mL m

RT: 16.06 min Scan# 2006

Delta R.T. -0.05 min

Lab File: E23888.D

Acq: 13 Apr 2001 2:33 am

Tgt Ion:228 Resp: 64994

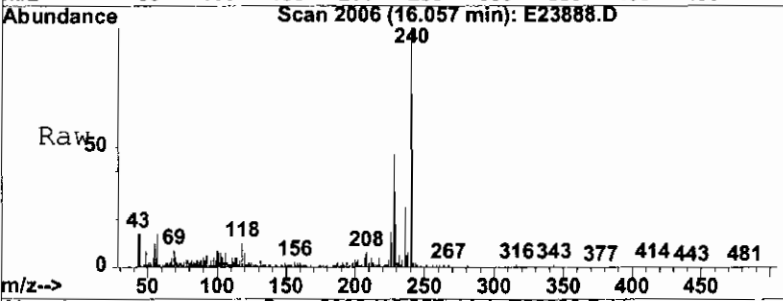
Ion Ratio Lower Upper

228 100

226 25.0 24.0 36.0

229 21.1 16.1 24.1

227 3.8 0.1 0.1#



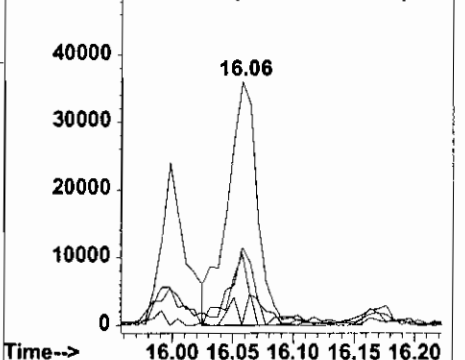
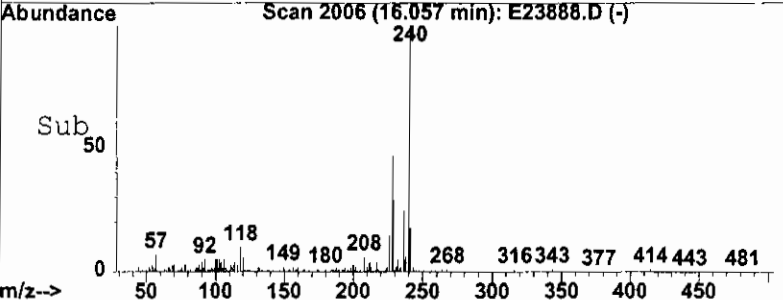
Abundance

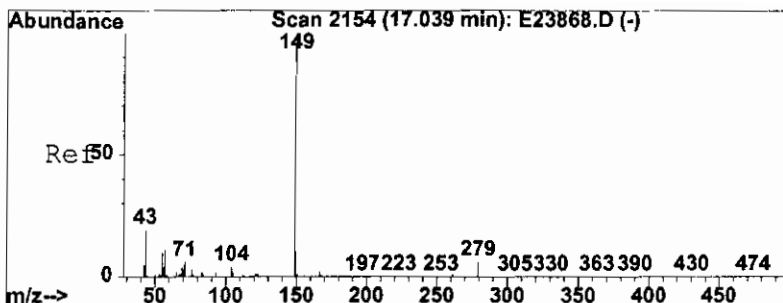
Ion 228.00 (227.50 to 228.50): E2

Ion 226.00 (225.50 to 226.50): E2

Ion 229.00 (228.50 to 229.50): E2

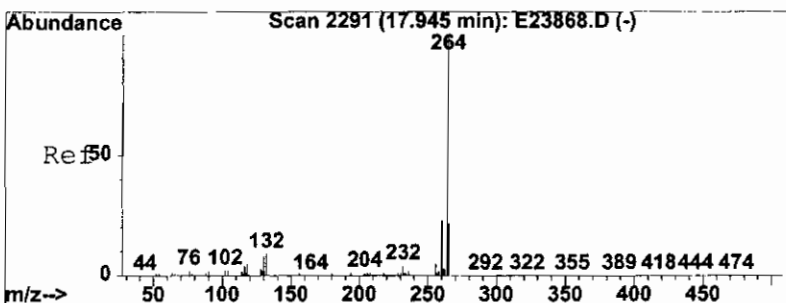
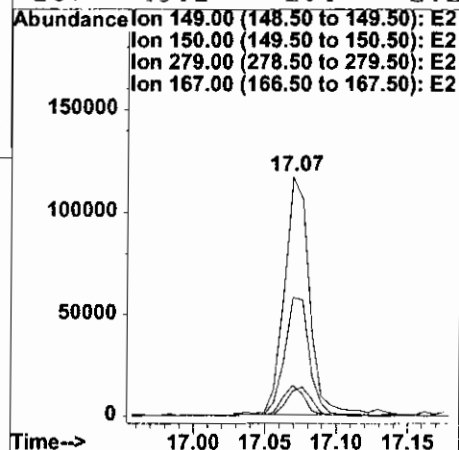
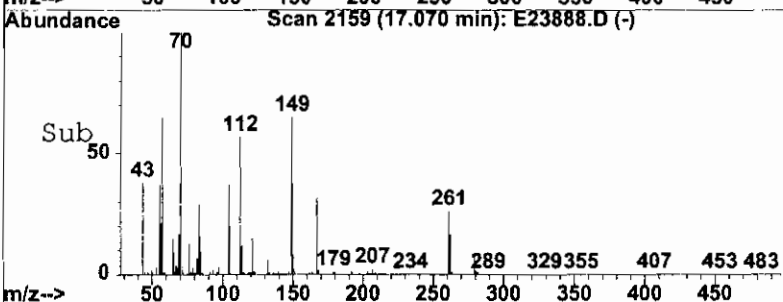
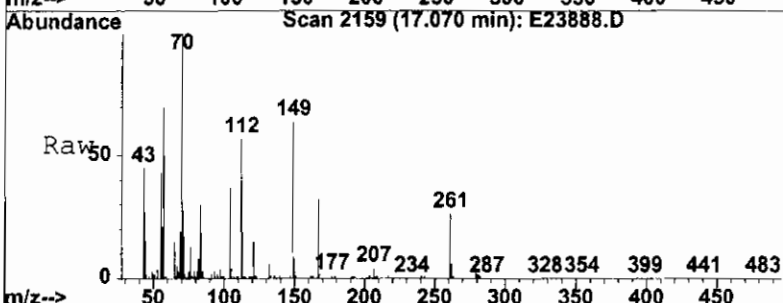
Ion 227.00 (226.50 to 227.50): E2





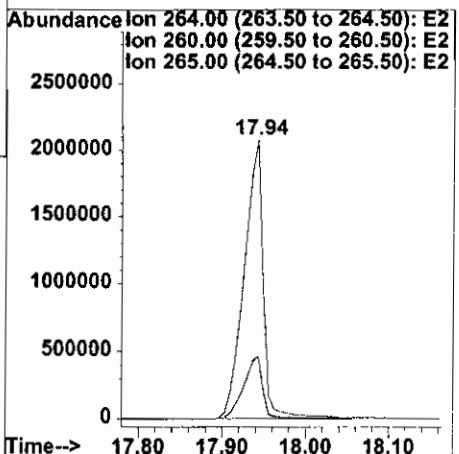
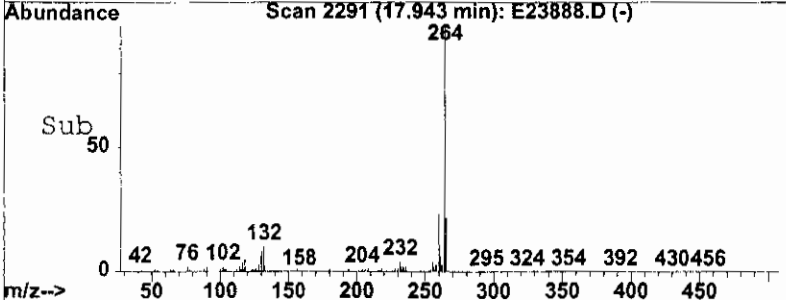
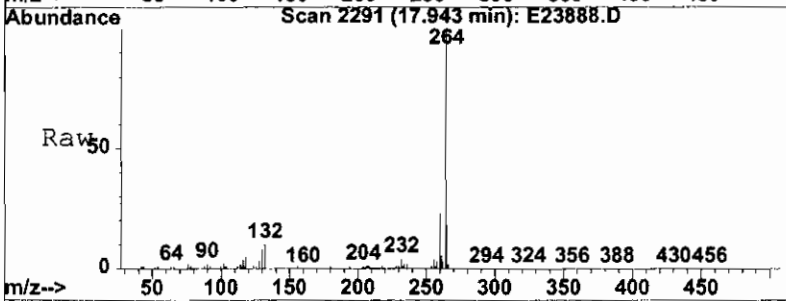
#76
Di-n-octylphthalate
Concen: 59.29 ug/mL
RT: 17.07 min Scan# 2159
Delta R.T. 0.02 min
Lab File: E23888.D
Acq: 13 Apr 2001 2:33 am

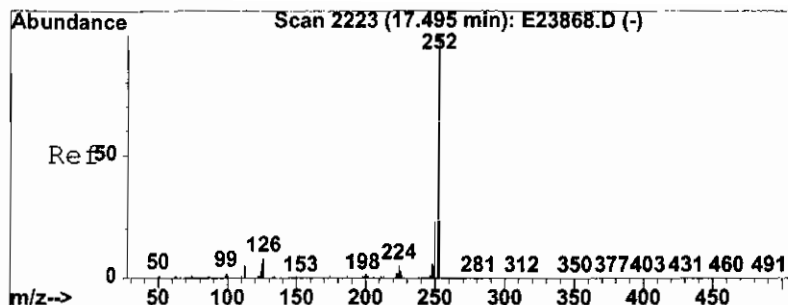
Tgt Ion:149 Resp: 143549
Ion Ratio Lower Upper
149 100
150 12.1 8.9 13.3
279 12.2 5.0 7.4#
167 49.2 1.4 2.2#



#77
Perylene-d12
Concen: 40.00 ug/mL
RT: 17.94 min Scan# 2291
Delta R.T. -0.02 min
Lab File: E23888.D
Acq: 13 Apr 2001 2:33 am

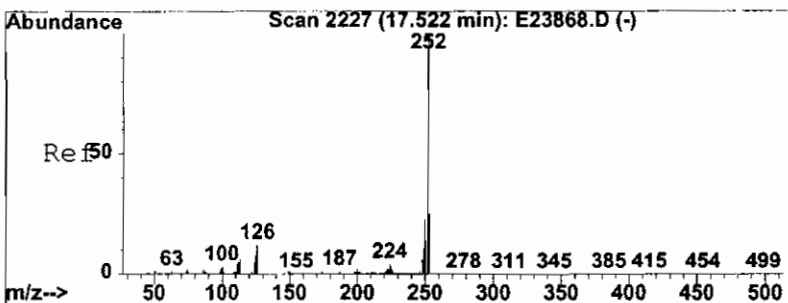
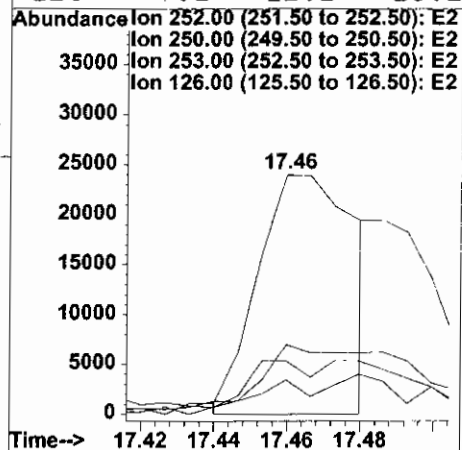
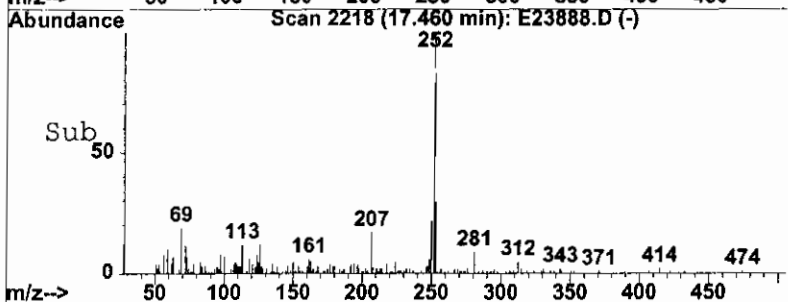
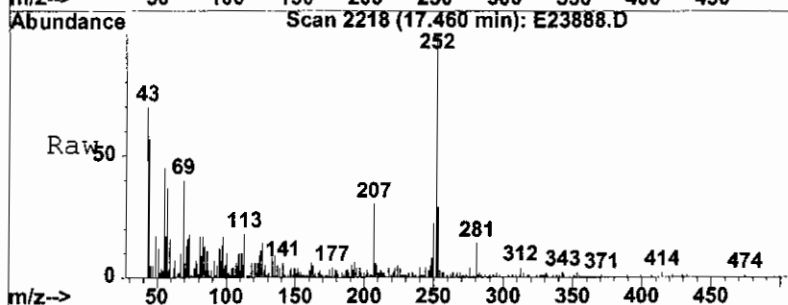
Tgt Ion:264 Resp: 3292607
Ion Ratio Lower Upper
264 100
260 22.4 18.1 27.1
265 22.4 17.6 26.4





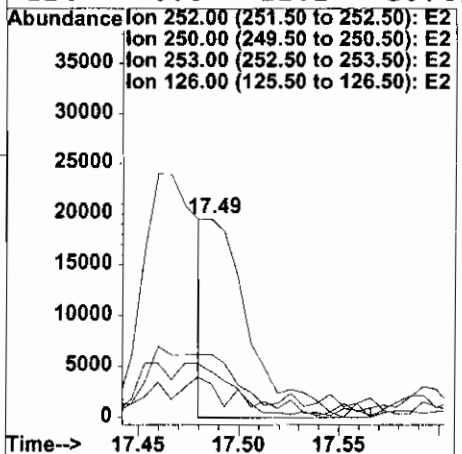
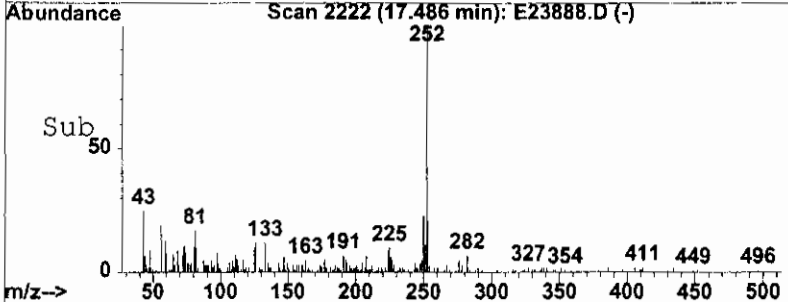
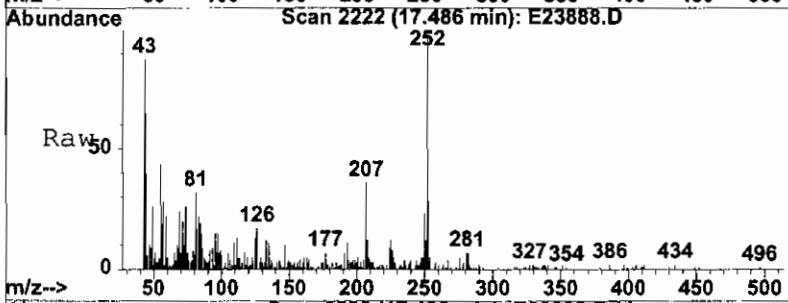
#78
Benzo(b)fluoranthene
Concen: 16.70 ug/mL m
RT: 17.46 min Scan# 2218
Delta R.T. -0.06 min
Lab File: E23888.D
Acq: 13 Apr 2001 2:33 am

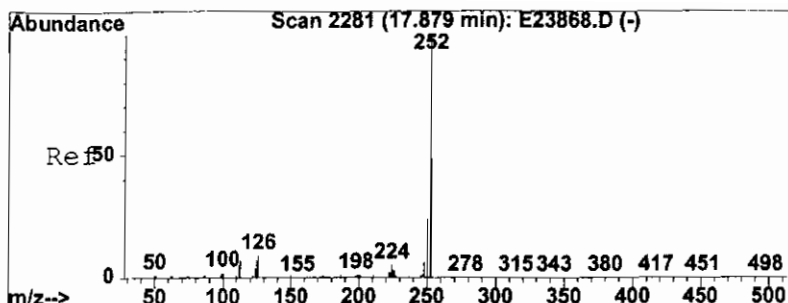
Tgt Ion:252 Resp: 43868
Ion Ratio Lower Upper
252 100
250 15.3 34.2 51.4#
253 38.0 33.4 50.0
126 7.1 12.2 18.2#



#79
Benzo(k)fluoranthene
Concen: 14.70 ug/mL m
RT: 17.49 min Scan# 2222
Delta R.T. -0.06 min
Lab File: E23888.D
Acq: 13 Apr 2001 2:33 am

Tgt Ion:252 Resp: 30168
Ion Ratio Lower Upper
252 100
250 8.5 34.5 51.7#
253 5.7 33.5 50.3#
126 0.0 12.2 18.4#

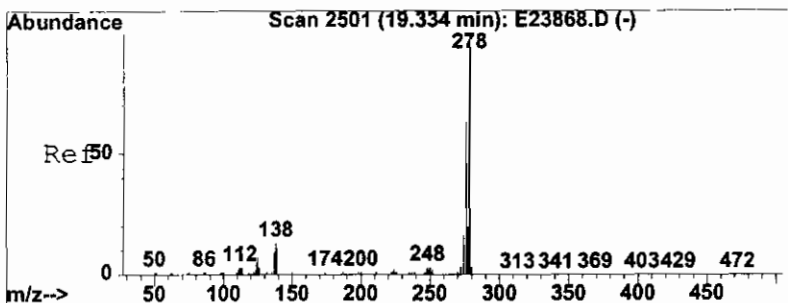
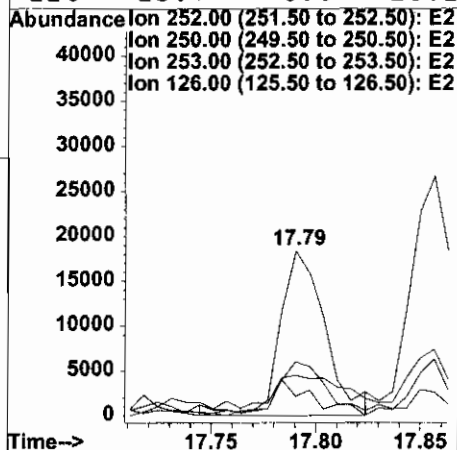
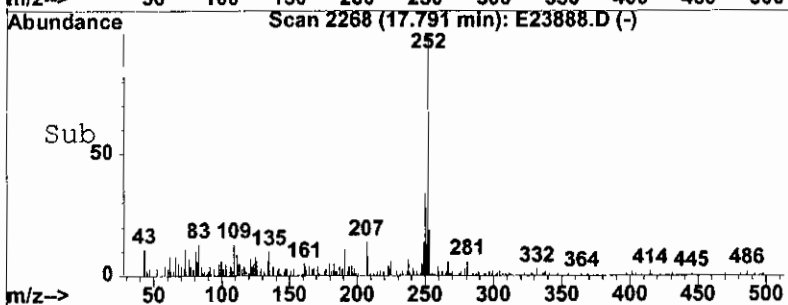
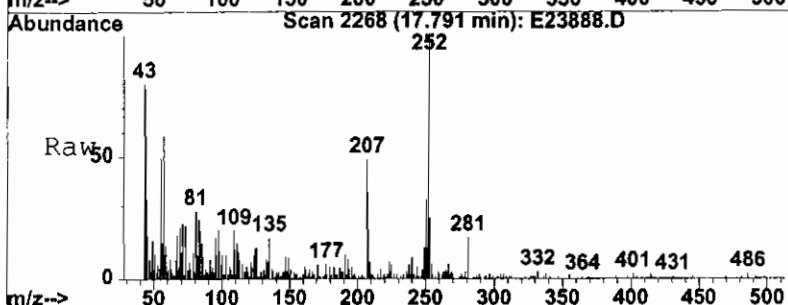




#80
Benz(a)pyrene
Concen: 14.41 ug/mL m
RT: 17.79 min Scan# 2268
Delta R.T. -0.10 min
Lab File: E23888.D
Acq: 13 Apr 2001 2:33 am

Tgt Ion: 252 Resp: 27582

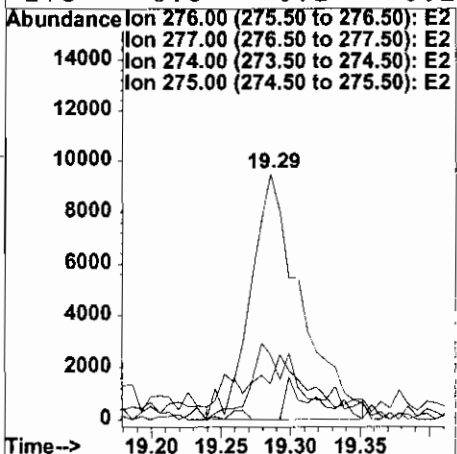
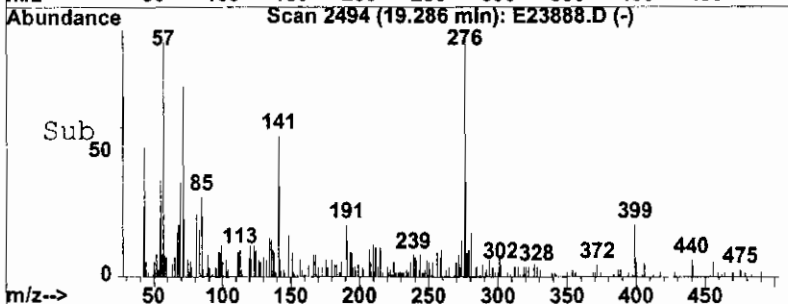
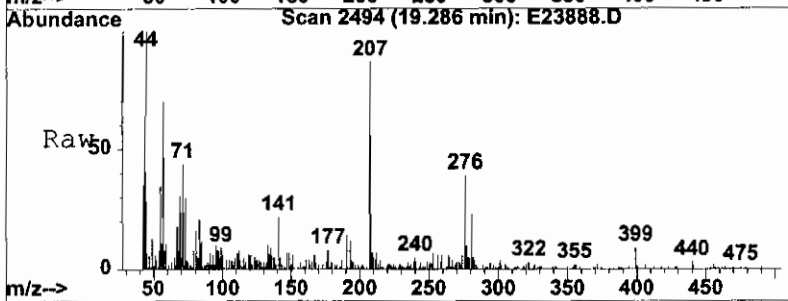
Ion	Ratio	Lower	Upper
252	100		
250	29.5	19.3	28.9#
253	42.9	18.1	27.1#
126	13.7	6.8	10.2#



#81
Indeno(1,2,3-c,d)pyrene
Concen: 11.37 ug/mL m
RT: 19.29 min Scan# 2494
Delta R.T. -0.07 min
Lab File: E23888.D
Acq: 13 Apr 2001 2:33 am

Tgt Ion: 276 Resp: 24315

Ion	Ratio	Lower	Upper
276	100		
277	1.5	21.8	32.8#
274	0.0	19.7	29.5#
275	0.5	0.1	0.1#



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E23889.D

Vial: 28

Acq On : 13 Apr 2001 3:03 am

Operator: RB

Sample : 01040168-16 \$8270S ASPB 30GM\1M 2XL

Inst : BNA NO 2

Misc : QBSV2041201A

Multiplr: 33.33

MS Integration Params: rteint.p

Quant Time: Aug 21 15:38 19101

Quant Results File: BNA2-13.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)

Title : Semivolatiles by GC/MS - EPA Method 625/8270

Last Update : Fri Apr 13 09:29:39 2001

Response via : Initial Calibration

DataAcq Meth : BNA2-12

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.26	152	1141803	40.00	ug/mL	0.00
21) Naphthalene-d8	7.78	136	3405768	40.00	ug/mL	-0.01
35) Acenaphthene-d10	10.15	164	2092632	40.00	ug/mL	-0.01
57) Phenanthrene-d10	12.23	188	3396267	40.00	ug/mL	-0.03
69) Chrysene-d12	16.04	240	3047965	40.00	ug/mL	-0.02
77) Perylene-d12	17.94	264	2827768	40.00	ug/mL	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.03	112	5738360	3893.15	ug/mL	0.09
Spiked Amount	200.000	Range	21 - 100	Recovery	= 1946.58%#	
5) Phenol-d5	6.03	99	3984887	1976.28	ug/mL	0.03
Spiked Amount	200.000	Range	10 - 100	Recovery	= 988.14%#	
19) Nitrobenzene-d5	6.94	82	5533270	2772.39	ug/mL	0.00
Spiked Amount	100.000	Range	35 - 114	Recovery	= 2772.39%#	
38) 2-Fluorobiphenyl	9.24	172	5175036	1933.08	ug/mL	0.00
Spiked Amount	100.000	Range	43 - 116	Recovery	= 1933.08%#	
59) 2,4,6-Tribromophenol	11.29	330	1972271	4446.34	ug/mL	-0.01
Spiked Amount	200.000	Range	10 - 123	Recovery	= 2223.17%#	
70) Terphenyl-d14	14.57	244	5956720	2319.06	ug/mL	0.00
Spiked Amount	100.000	Range	33 - 141	Recovery	= 2319.06%#	

Target Compounds

						Qvalue
28) 1,2,4-Trichlorobenzene	7.73	180	7716	5.37	ug/mL	95
29) Naphthalene	7.80	128	30886	9.68	ug/mL#	81
33) 2-Methylnaphthalene	8.71	142	21957	9.14	ug/mL#	88
45) Acenaphthene	10.19	154	34372	16.06	ug/mL	92
47) Dibenzofuran	10.42	168	24339	7.82	ug/mL	91
51) Fluorene	10.90	166	34219	12.56	ug/mL#	85
63) Phenanthrene	12.25	178	401970m	124.74	ug/mL	
64) Anthracene	12.32	178	79345m	26.51	ug/mL	
65) Di-n-butyl phthalate	13.19	149	70193	19.94	ug/mL#	93
66) Fluoranthene	13.96	202	647192m	201.01	ug/mL	
68) Pyrene	14.27	202	508678	161.25	ug/mL	96
72) Bis(2-ethylhexyl)phthalate	16.20	149	52715	20.73	ug/mL#	92
73) Benz(a)anthracene	16.00	228	178327m	56.15	ug/mL	
75) Chrysene	16.06	228	208730m	72.90	ug/mL	
78) Benzo(b)fluoranthene	17.46	252	159352m	35.31	ug/mL	
79) Benzo(k)fluoranthene	17.49	252	99277m	28.15	ug/mL	
80) Benz(a)pyrene	17.86	252	141281m	42.98	ug/mL	
81) Indeno(1,2,3-c,d)pyrene	19.29	276	95477m	26.00	ug/mL	
83) Benzo(g,h,i)perylene	19.64	276	75484m	26.65	ug/mL	

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

E23889.D BNA2-13.M Tue Aug 21 15:38:47 2001

000510

Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\E23889.D

Vial: 28

Acq On : 13 Apr 2001 3:03 am

Operator: RB

Sample : 01040168-16 \$8270S ASPB 30GM\1M 2XL

Inst : BNA NO 2

Misc : QBSV2041201A

Multiplr: 33.33

MS Integration Params: rteint.p

Quant Time: Aug 21 15:38 19101

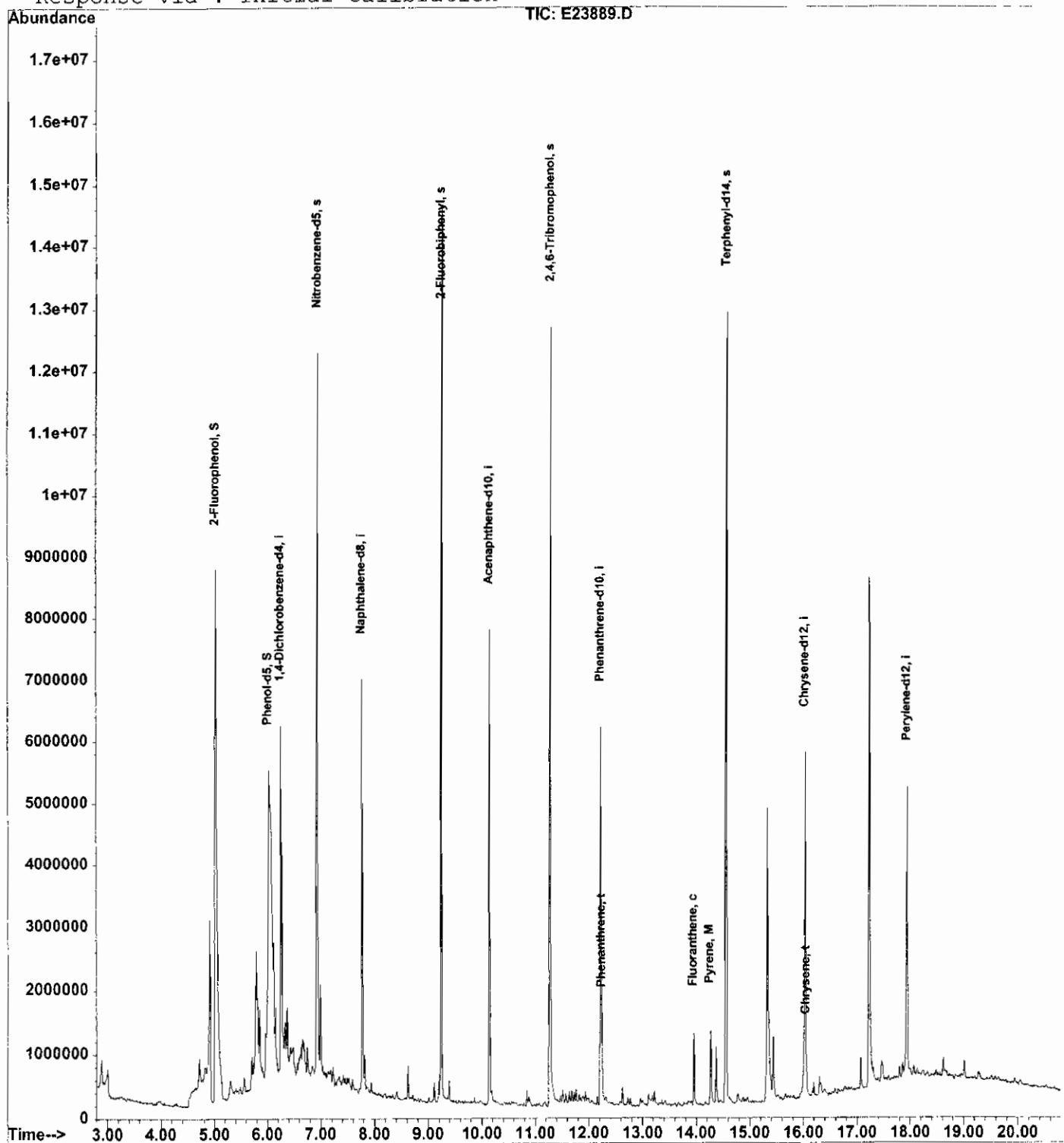
Quant Results File: BNA2-13.RES

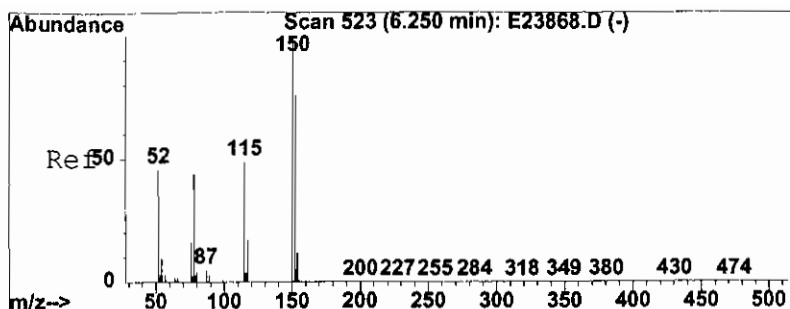
Method : C:\HPCHEM\1\METHODS\BNA2-13.M (RTE Integrator)

Title : Semivolatiles by GC/MS - EPA Method 625/8270

Last Update : Fri Apr 13 09:29:39 2001

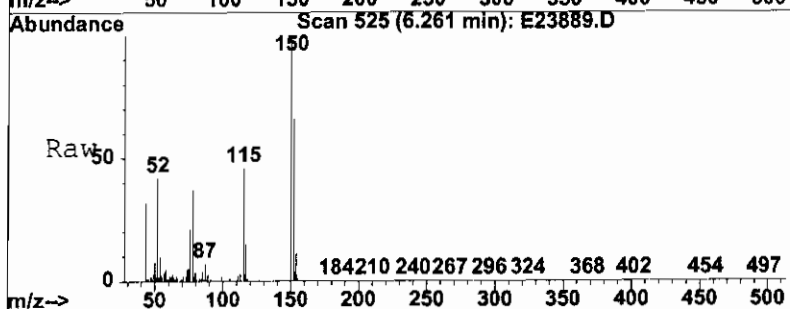
Response via : Initial Calibration



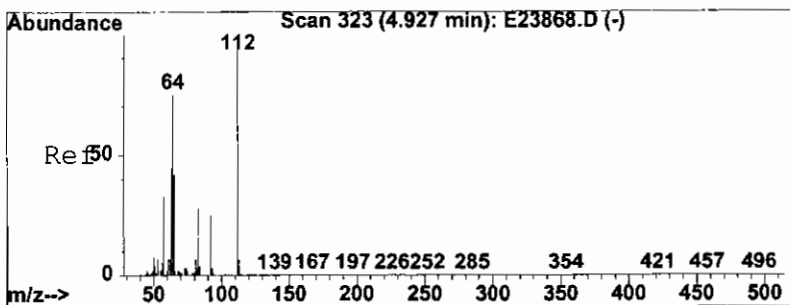
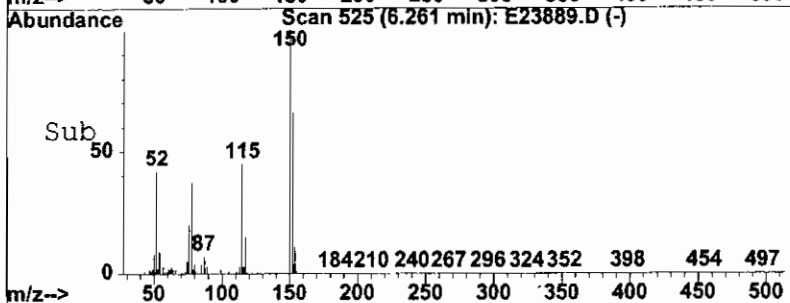
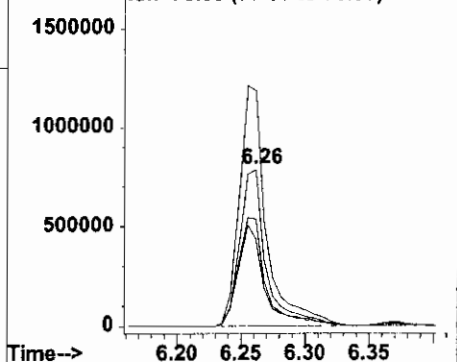


#1
 1,4-Dichlorobenzene-d4
 Concen: 40.00 ug/mL
 RT: 6.26 min Scan# 525
 Delta R.T. 0.01 min
 Lab File: E23889.D
 Acq: 13 Apr 2001 3:03 am

Tgt Ion:152 Resp: 1141803
 Ion Ratio Lower Upper
 152 100
 150 156.7 169.4 254.2#
 115 71.7 70.3 105.5
 78 64.2 76.0 114.0#

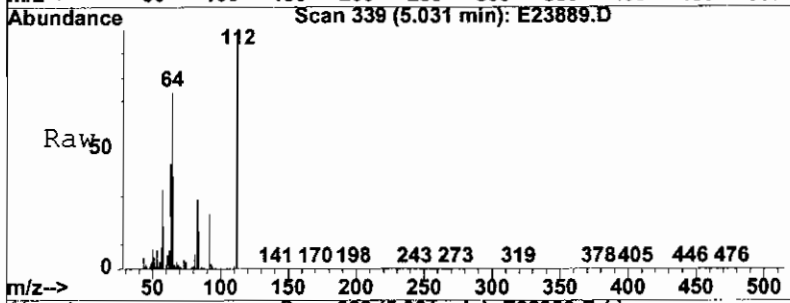


Abundance Ion 152.00 (151.50 to 152.50): E2
 Ion 150.00 (149.50 to 150.50): E2
 Ion 115.00 (114.50 to 115.50): E2
 Ion 78.00 (77.50 to 78.50): E238

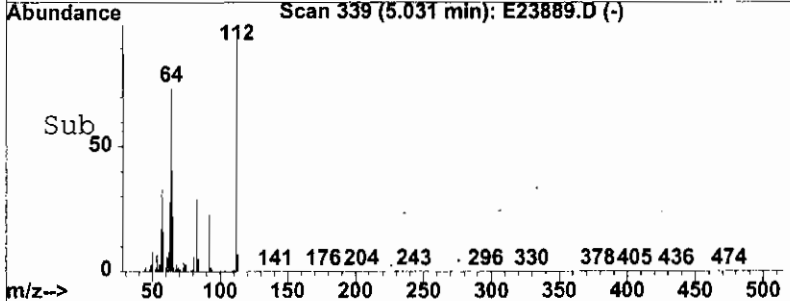
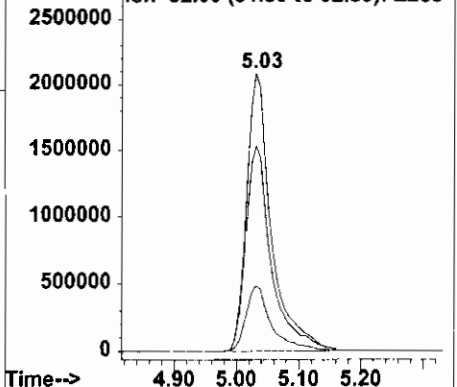


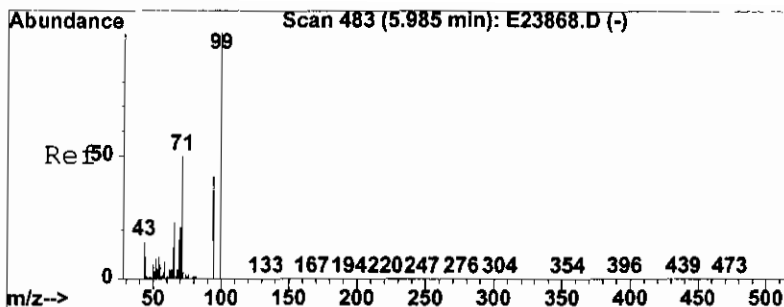
#4
 2-Fluorophenol
 Concen: 3893.15 ug/mL
 RT: 5.03 min Scan# 339
 Delta R.T. 0.09 min
 Lab File: E23889.D
 Acq: 13 Apr 2001 3:03 am

Tgt Ion:112 Resp: 5738360
 Ion Ratio Lower Upper
 112 100
 64 76.3 58.7 88.1
 92 24.0 18.2 27.2



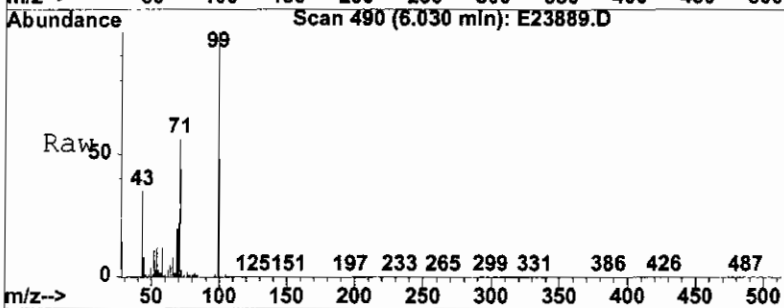
Abundance Ion 112.00 (111.50 to 112.50): E2
 Ion 64.00 (63.50 to 64.50): E238
 Ion 92.00 (91.50 to 92.50): E238



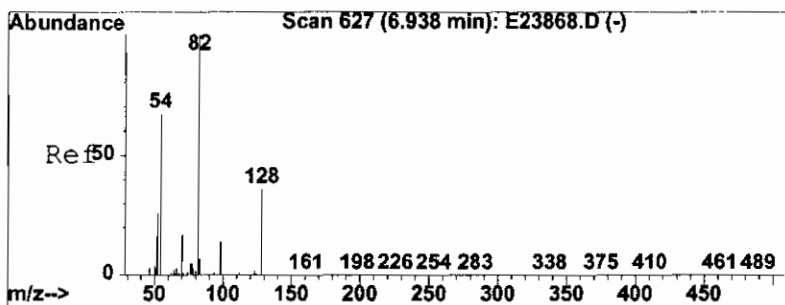
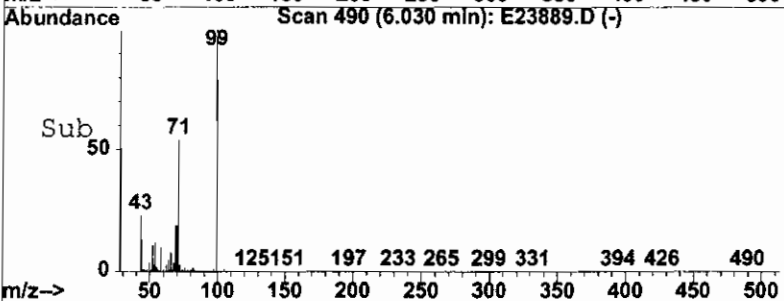
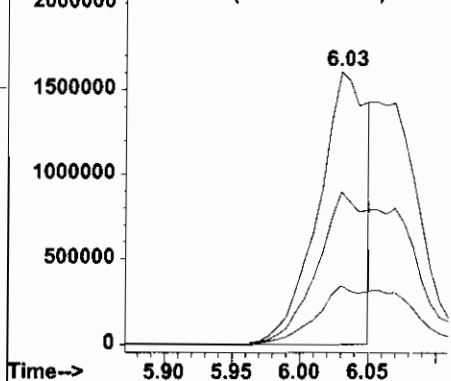


#5
 Phenol-d5
 Concen: 1976.28 ug/mL
 RT: 6.03 min Scan# 490
 Delta R.T. 0.03 min
 Lab File: E23889.D
 Acq: 13 Apr 2001 3:03 am

Tgt Ion: 99 Resp: 3984887
 Ion Ratio Lower Upper
 99 100
 71 100.9 43.1 64.7#
 70 18.2 16.6 24.8

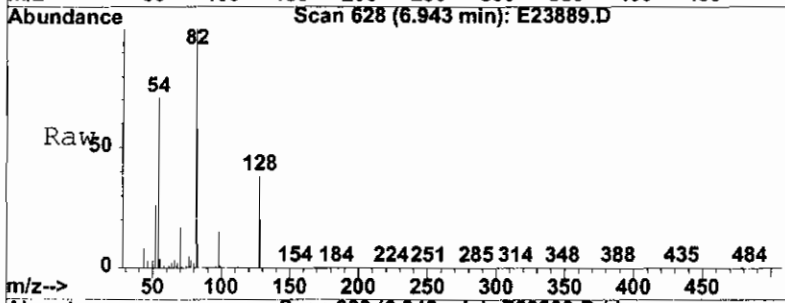


Abundance Ion 99.00 (98.50 to 99.50): E238
 Ion 71.00 (70.50 to 71.50): E238
 Ion 70.00 (69.50 to 70.50): E238

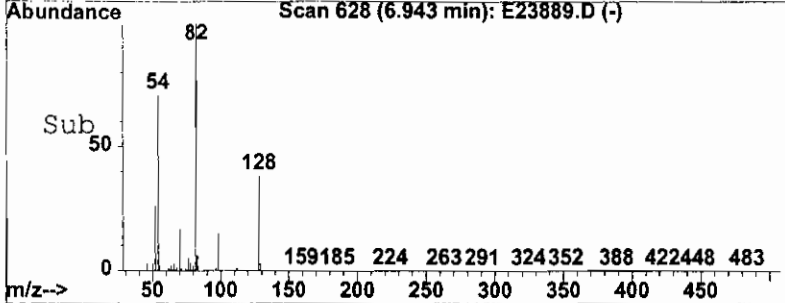
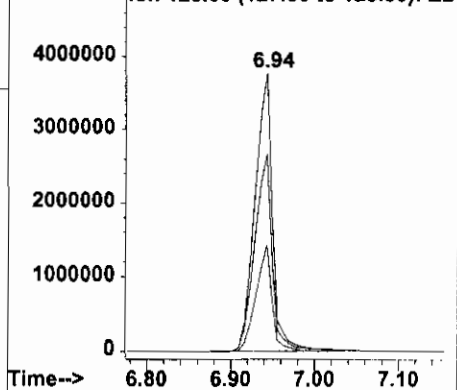


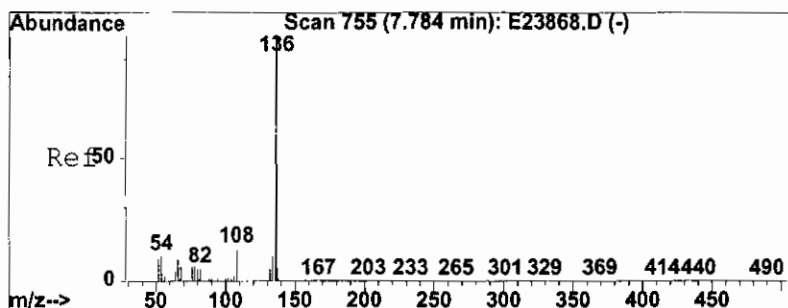
#19
 Nitrobenzene-d5
 Concen: 2772.39 ug/mL
 RT: 6.94 min Scan# 628
 Delta R.T. -0.00 min
 Lab File: E23889.D
 Acq: 13 Apr 2001 3:03 am

Tgt Ion: 82 Resp: 5533270
 Ion Ratio Lower Upper
 82 100
 54 71.4 24.7 37.1#
 128 34.8 1.8 2.6#



Abundance Ion 82.00 (81.50 to 82.50): E238
 Ion 54.00 (53.50 to 54.50): E238
 Ion 128.00 (127.50 to 128.50): E2

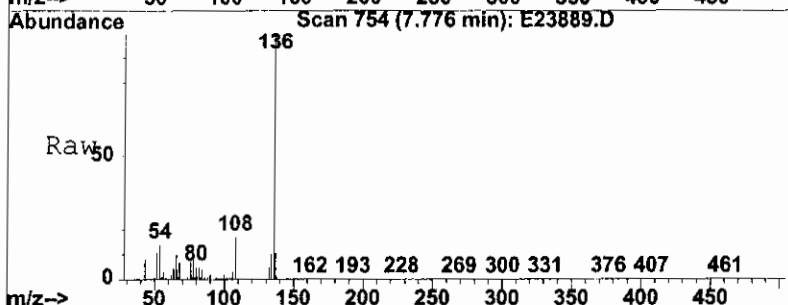




#21
Naphthalene-d8
Concen: 40.00 ug/mL
RT: 7.78 min Scan# 754
Delta R.T. -0.01 min
Lab File: E23889.D
Acq: 13 Apr 2001 3:03 am

Tgt Ion:136 Resp: 3405768

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.9	13.3
108	16.7	12.8	19.2

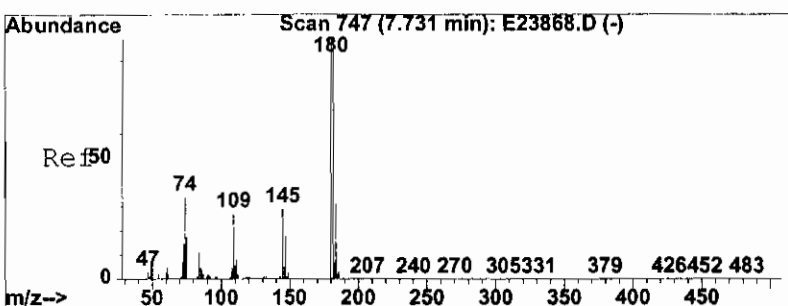
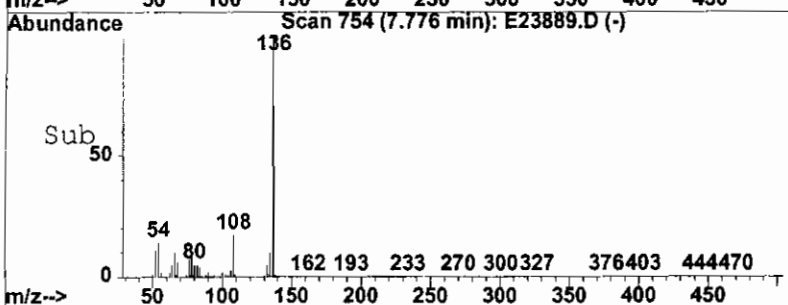
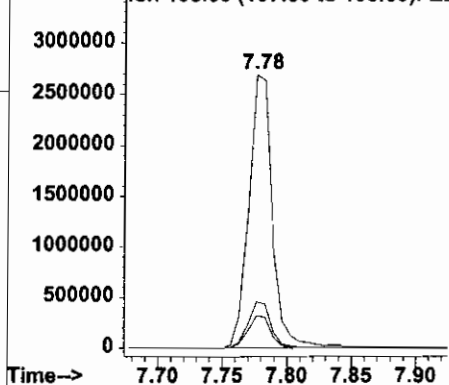


Abundance

Ion 136.05 (135.55 to 136.55): E2

Ion 137.00 (136.50 to 137.50): E2

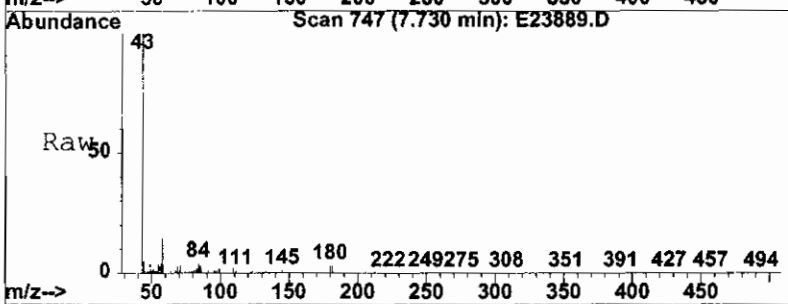
Ion 108.00 (107.50 to 108.50): E2



#28
1,2,4-Trichlorobenzene
Concen: 5.37 ug/mL
RT: 7.73 min Scan# 747
Delta R.T. -0.01 min
Lab File: E23889.D
Acq: 13 Apr 2001 3:03 am

Tgt Ion:180 Resp: 7716

Ion	Ratio	Lower	Upper
180	100		
182	92.1	78.1	117.1
184	26.9	24.8	37.2
145	29.4	22.5	33.7



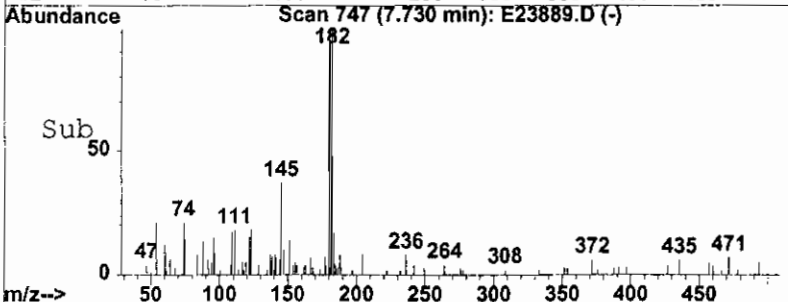
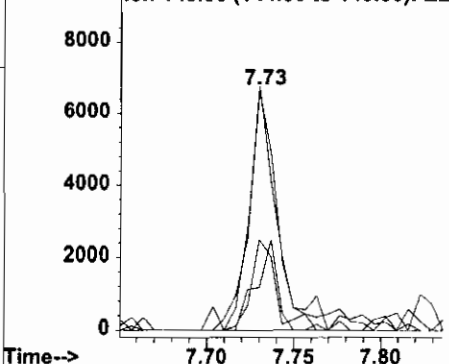
Abundance

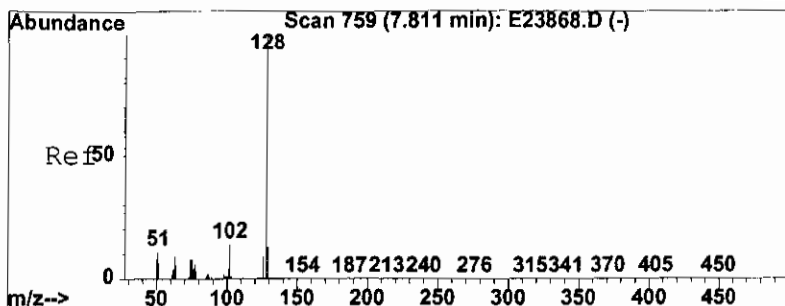
Ion 180.00 (179.50 to 180.50): E2

Ion 182.00 (181.50 to 182.50): E2

Ion 184.00 (183.50 to 184.50): E2

Ion 145.00 (144.50 to 145.50): E2





#29

Naphthalene

Concen: 9.68 ug/mL

RT: 7.80 min Scan# 758

Delta R.T. -0.02 min

Lab File: E23889.D

Acq: 13 Apr 2001 3:03 am

Tgt Ion:128 Resp: 30886

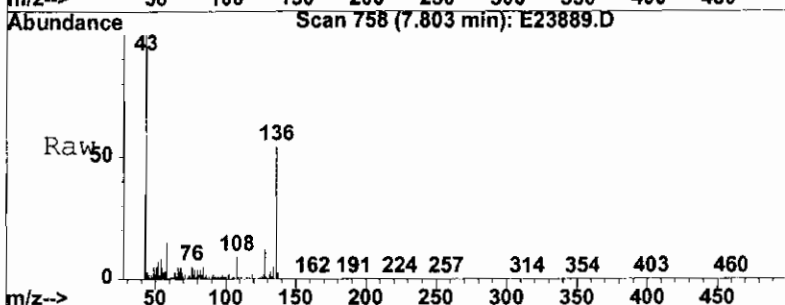
Ion Ratio Lower Upper

128 100

127 19.4 12.9 19.3#

102 0.0 12.5 18.7#

129 17.0 9.8 14.6#



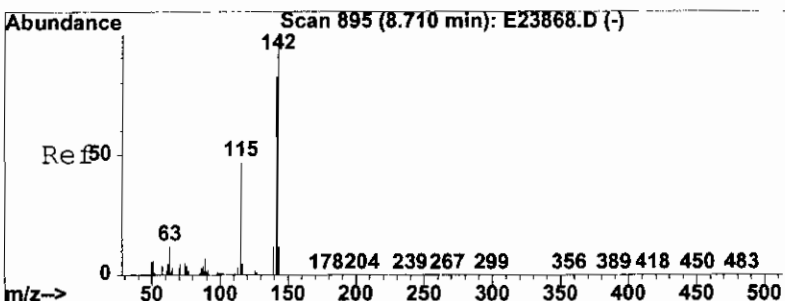
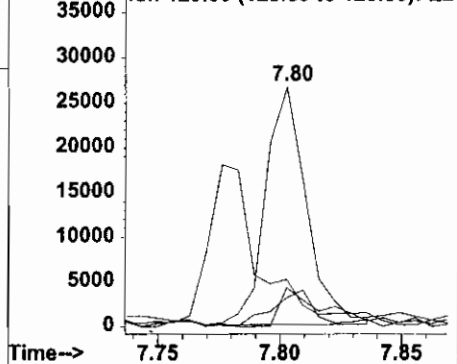
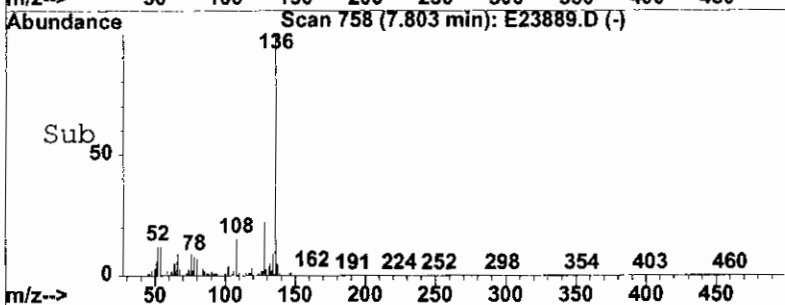
Abundance

Ion 128.00 (127.50 to 128.50): E2

Ion 127.00 (126.50 to 127.50): E2

Ion 102.00 (101.50 to 102.50): E2

Ion 129.00 (128.50 to 129.50): E2



#33

2-Methylnaphthalene

Concen: 9.14 ug/mL

RT: 8.71 min Scan# 895

Delta R.T. -0.01 min

Lab File: E23889.D

Acq: 13 Apr 2001 3:03 am

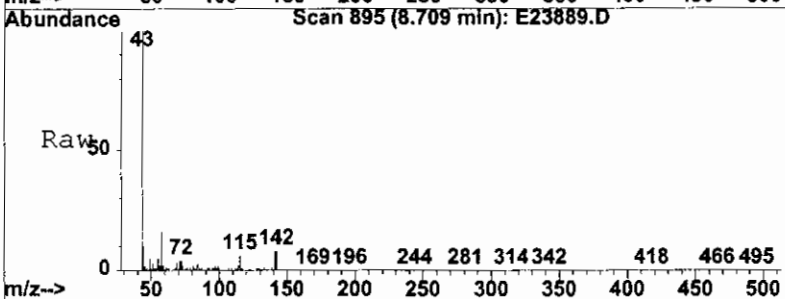
Tgt Ion:142 Resp: 21957

Ion Ratio Lower Upper

142 100

141 81.2 67.0 100.6

115 66.0 38.4 57.6#

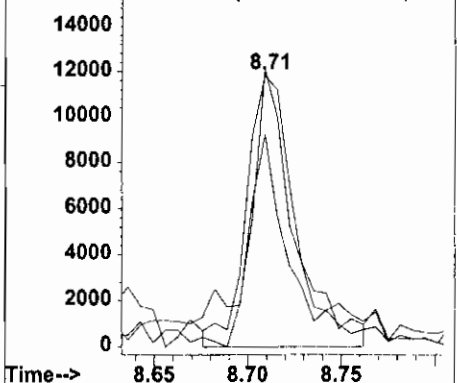
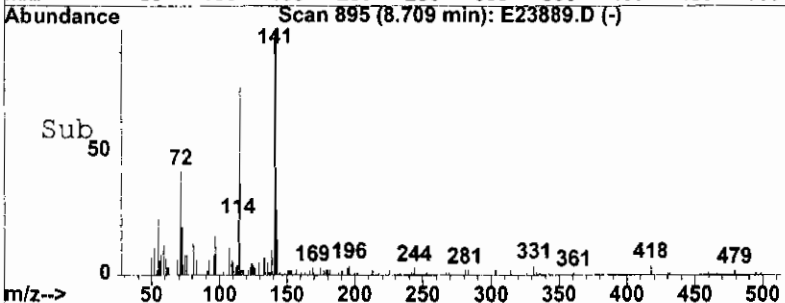


Abundance

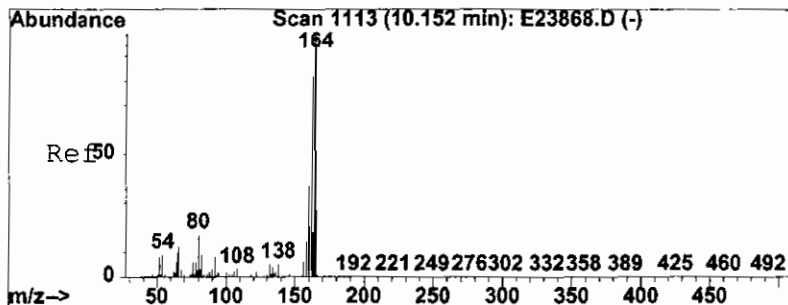
Ion 142.00 (141.50 to 142.50): E2

Ion 141.00 (140.50 to 141.50): E2

Ion 115.00 (114.50 to 115.50): E2

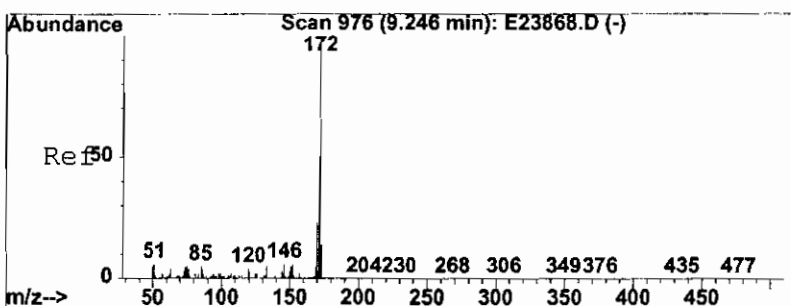
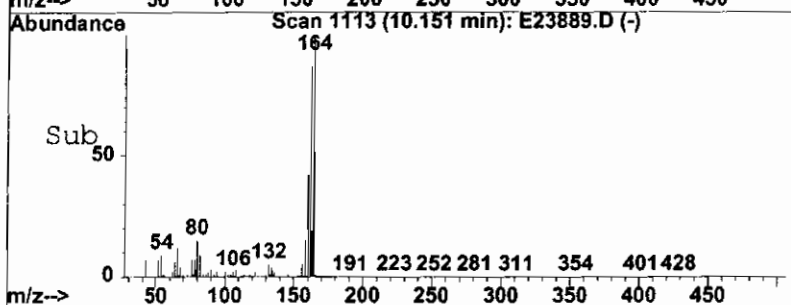
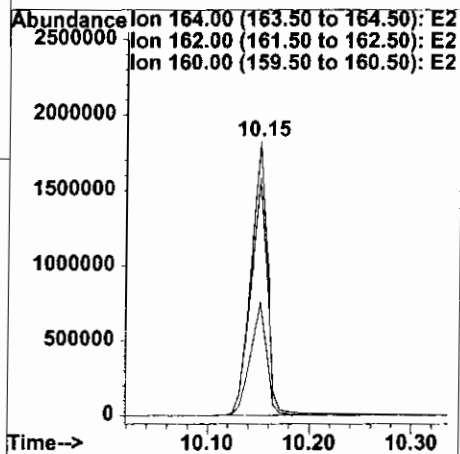
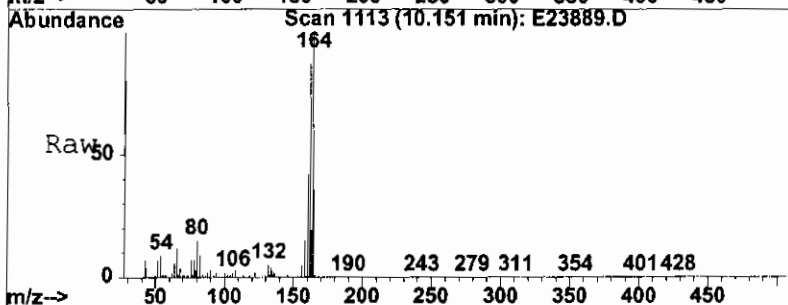


000515



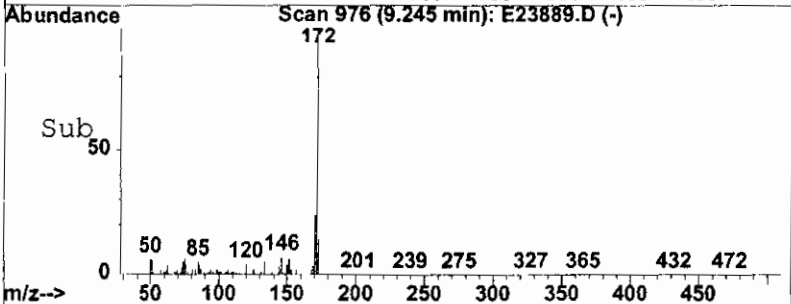
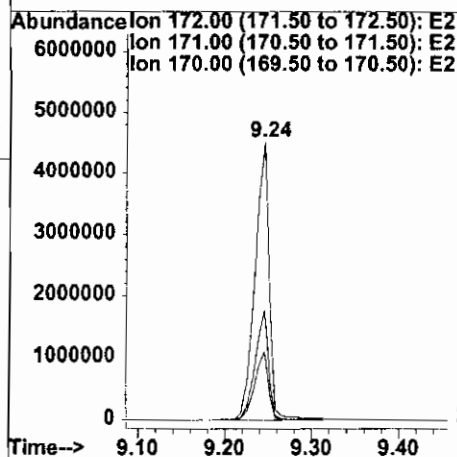
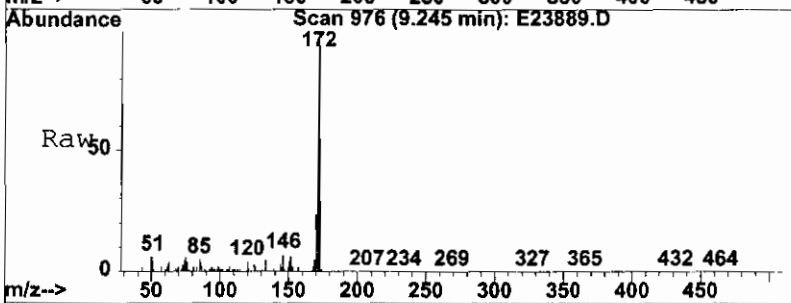
#35
Acenaphthene-d10
Concen: 40.00 ug/mL
RT: 10.15 min Scan# 1113
Delta R.T. -0.01 min
Lab File: E23889.D
Acq: 13 Apr 2001 3:03 am

Tgt Ion:164 Resp: 2092632
Ion Ratio Lower Upper
164 100
162 87.5 69.4 104.2
160 41.1 31.8 47.6

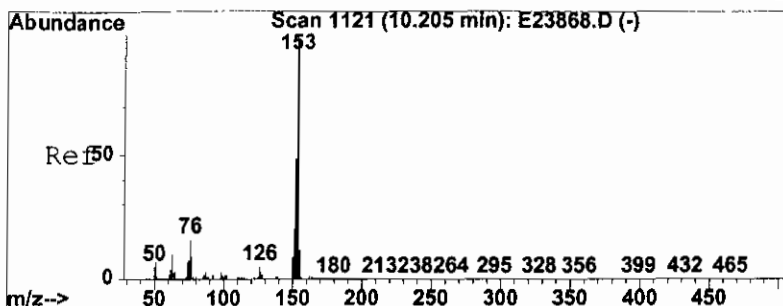


#38
2-Fluorobiphenyl
Concen: 1933.08 ug/mL
RT: 9.24 min Scan# 976
Delta R.T. -0.01 min
Lab File: E23889.D
Acq: 13 Apr 2001 3:03 am

Tgt Ion:172 Resp: 5175036
Ion Ratio Lower Upper
172 100
171 37.0 30.5 45.7
170 23.0 19.3 28.9

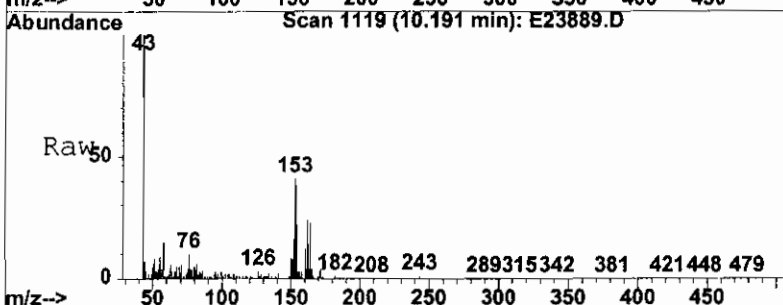


000516

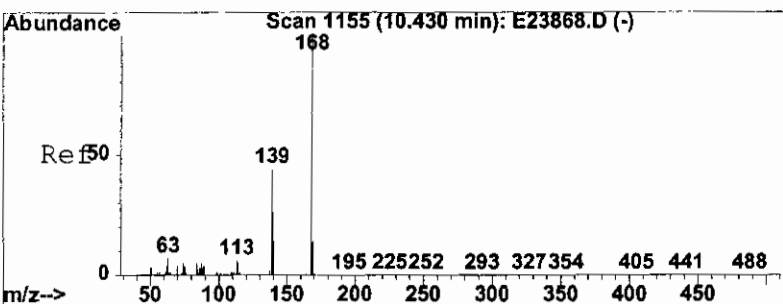
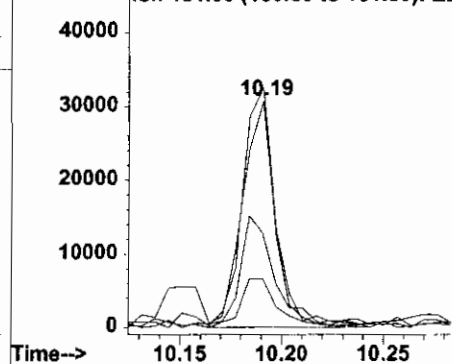
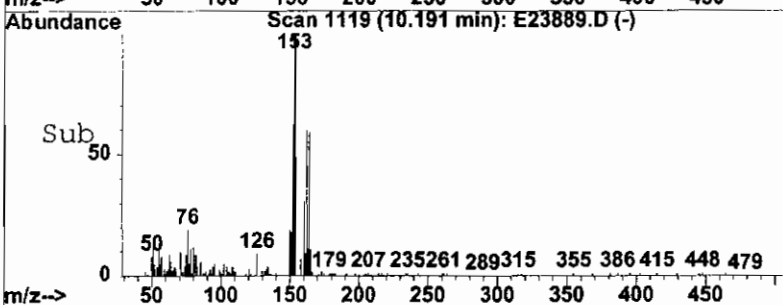


#45
Acenaphthene
Concen: 16.06 ug/mL
RT: 10.19 min Scan# 1119
Delta R.T. -0.02 min
Lab File: E23889.D
Acq: 13 Apr 2001 3:03 am

Tgt Ion:154 Resp: 34372
Ion Ratio Lower Upper
154 100
153 114.7 83.3 124.9
152 53.2 40.2 60.4
151 24.3 16.2 24.4

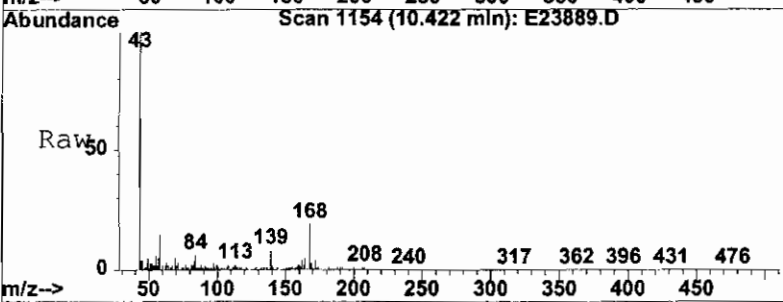


Abundance Ion 154.00 (153.50 to 154.50): E2
Ion 153.00 (152.50 to 153.50): E2
Ion 152.00 (151.50 to 152.50): E2
Ion 151.00 (150.50 to 151.50): E2

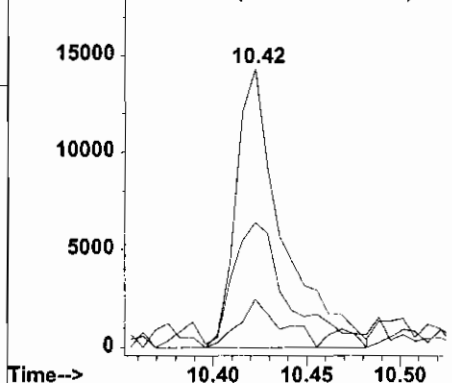
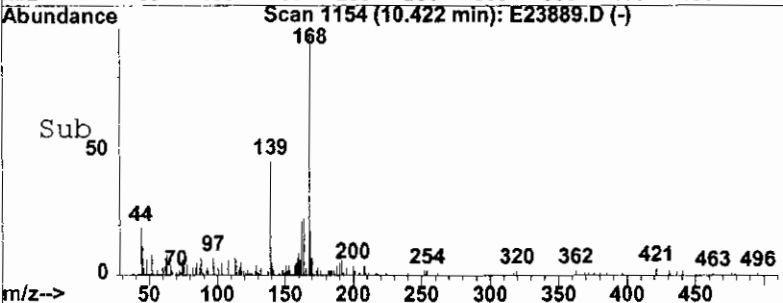


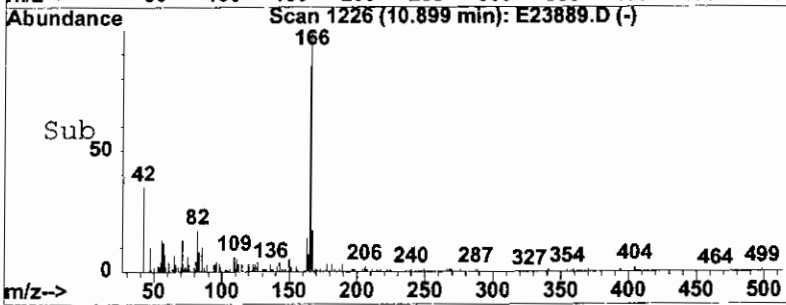
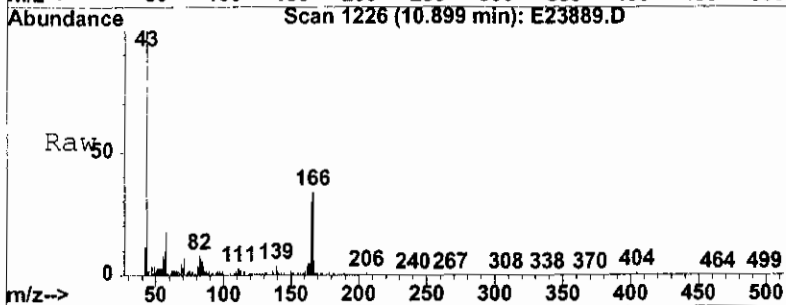
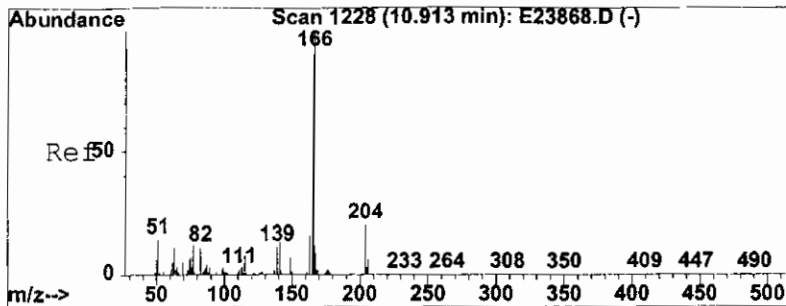
#47
Dibenzofuran
Concen: 7.82 ug/mL
RT: 10.42 min Scan# 1154
Delta R.T. -0.02 min
Lab File: E23889.D
Acq: 13 Apr 2001 3:03 am

Tgt Ion:168 Resp: 24339
Ion Ratio Lower Upper
168 100
139 51.1 35.1 52.7
169 15.7 11.3 16.9



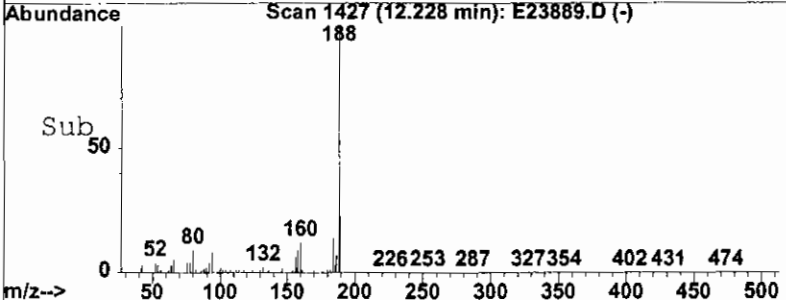
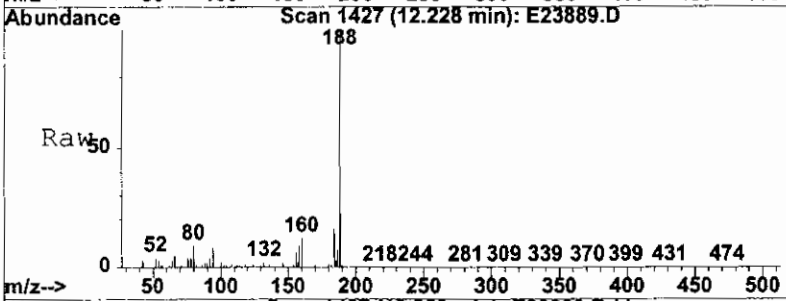
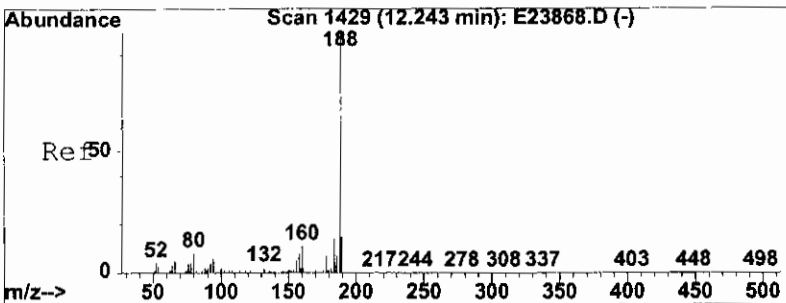
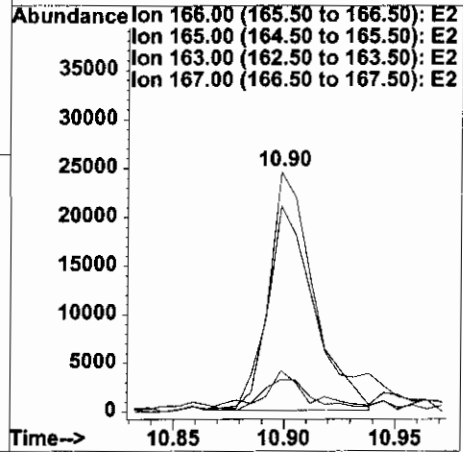
Abundance Ion 168.00 (167.50 to 168.50): E2
Ion 139.00 (138.50 to 139.50): E2
Ion 169.00 (168.50 to 169.50): E2





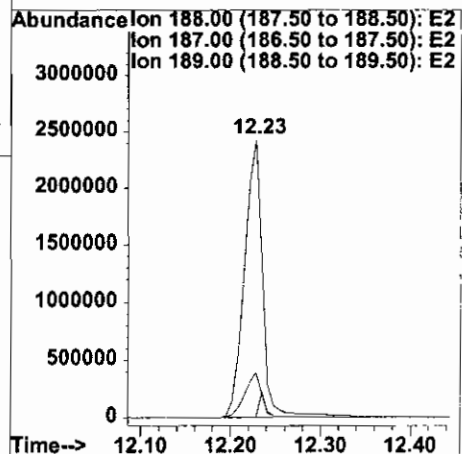
#51
Fluorene
Concen: 12.56 ug/mL
RT: 10.90 min Scan# 1226
Delta R.T. -0.02 min
Lab File: E23889.D
Acq: 13 Apr 2001 3:03 am

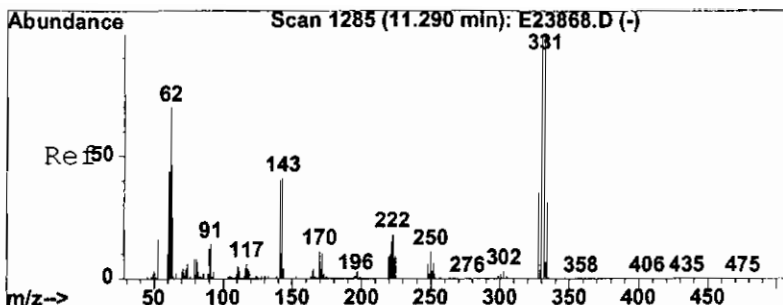
Tgt Ion:166 Resp: 34219
Ion Ratio Lower Upper
166 100
165 105.6 71.9 107.9
163 14.2 12.5 18.7
167 22.1 11.0 16.4#



#57
Phenanthrene-d10
Concen: 40.00 ug/mL
RT: 12.23 min Scan# 1427
Delta R.T. -0.03 min
Lab File: E23889.D
Acq: 13 Apr 2001 3:03 am

Tgt Ion:188 Resp: 3396267
Ion Ratio Lower Upper
188 100
187 3.5 1.4 2.2#
189 14.8 12.5 18.7

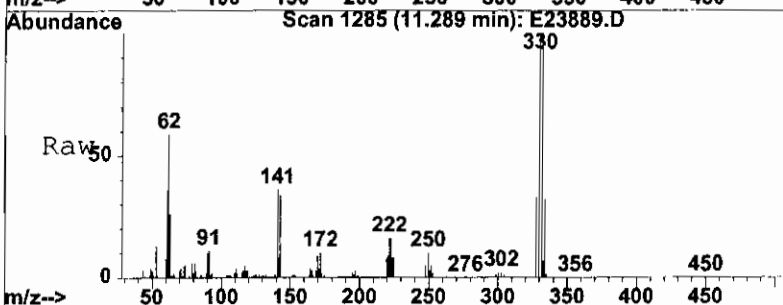




#59
 2,4,6-Tribromophenol
 Concen: 4446.34 ug/mL
 RT: 11.29 min Scan# 1285
 Delta R.T. -0.01 min
 Lab File: E23889.D
 Acq: 13 Apr 2001 3:03 am

Tgt Ion:330 Resp: 1972271

Ion	Ratio	Lower	Upper
330	100		
332	98.2	76.1	114.1
328	34.0	25.8	38.6
334	31.1	23.0	34.6



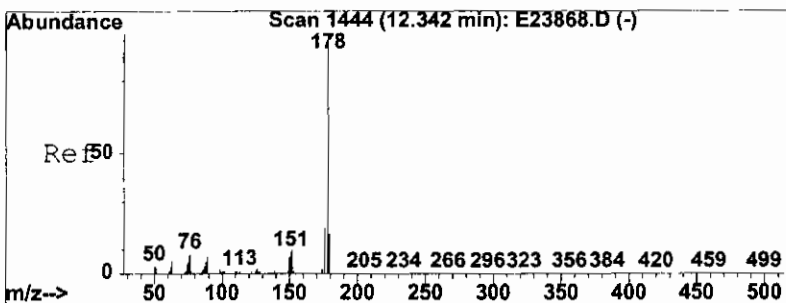
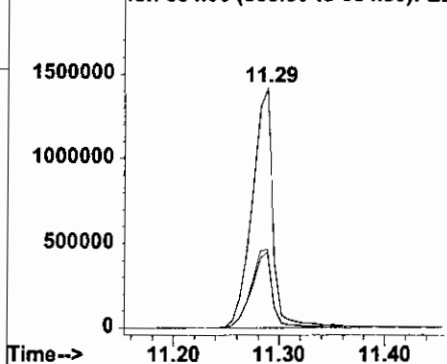
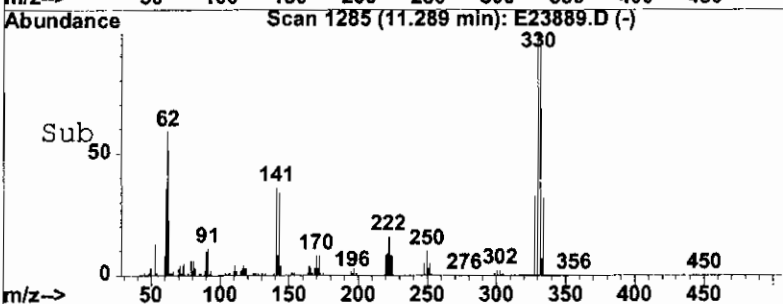
Abundance

Ion 330.00 (329.50 to 330.50): E2

Ion 332.00 (331.50 to 332.50): E2

Ion 328.00 (327.50 to 328.50): E2

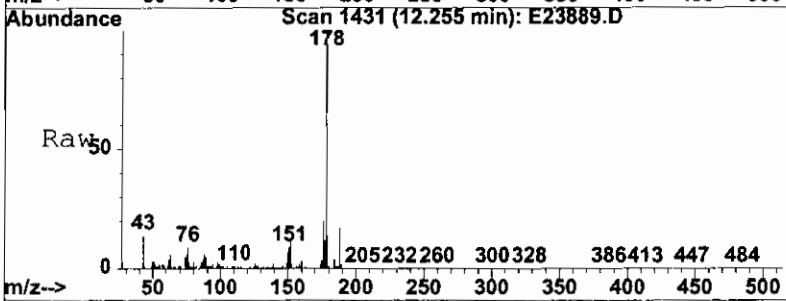
Ion 334.00 (333.50 to 334.50): E2



#63
 Phenanthrene
 Concen: 124.74 ug/mL m
 RT: 12.25 min Scan# 1431
 Delta R.T. -0.06 min
 Lab File: E23889.D
 Acq: 13 Apr 2001 3:03 am

Tgt Ion:178 Resp: 401970

Ion	Ratio	Lower	Upper
178	100		
176	3.4	15.4	23.0#
179	3.0	13.0	19.6#
177	0.8	0.1	0.1#



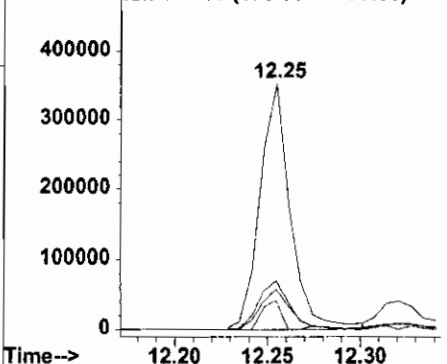
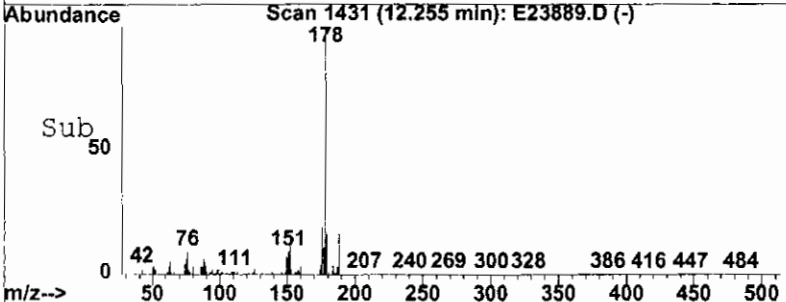
Abundance

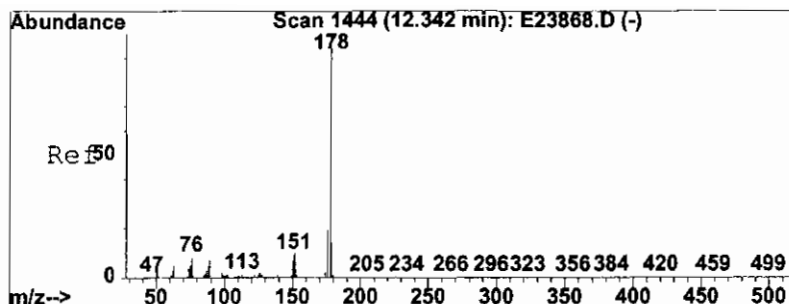
Ion 178.00 (177.50 to 178.50): E2

Ion 176.00 (175.50 to 176.50): E2

Ion 179.00 (178.50 to 179.50): E2

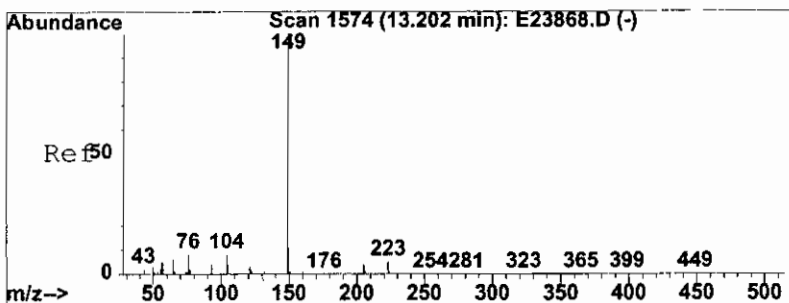
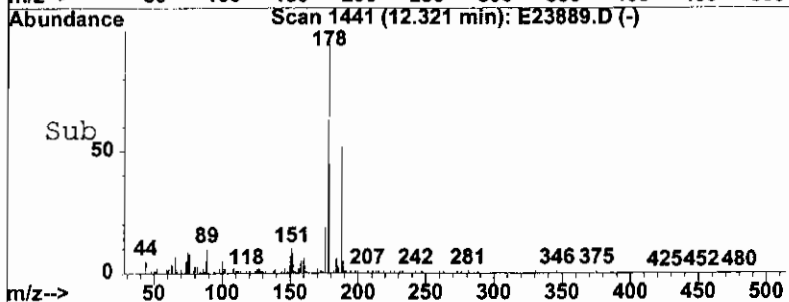
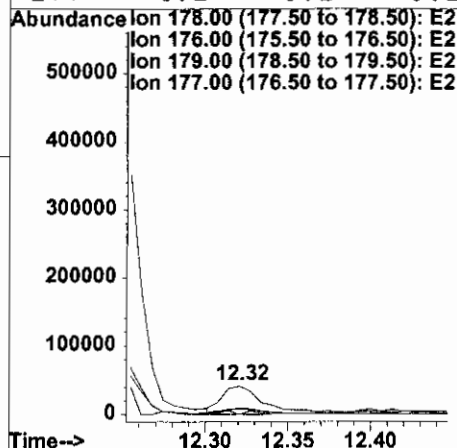
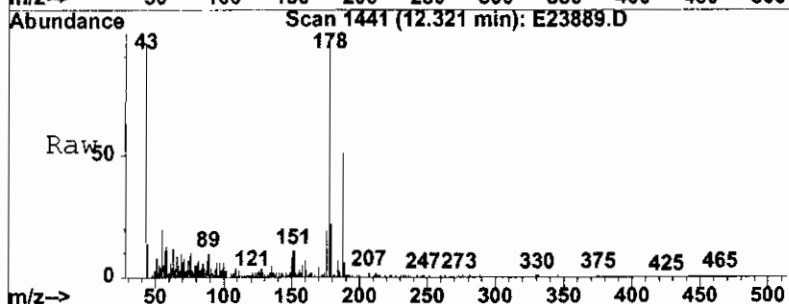
Ion 177.00 (176.50 to 177.50): E2





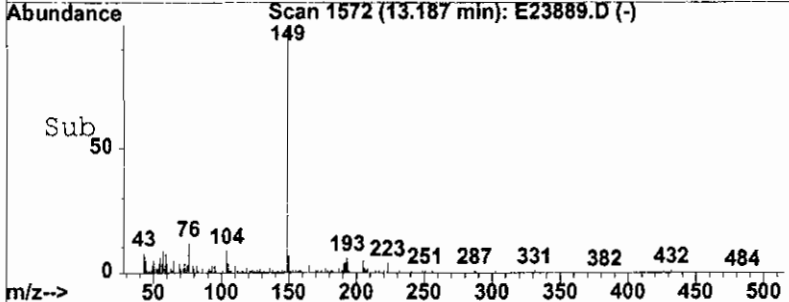
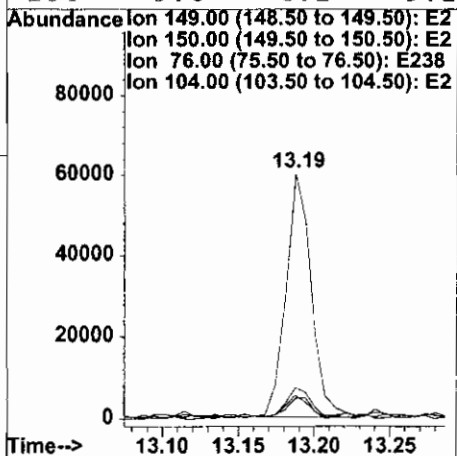
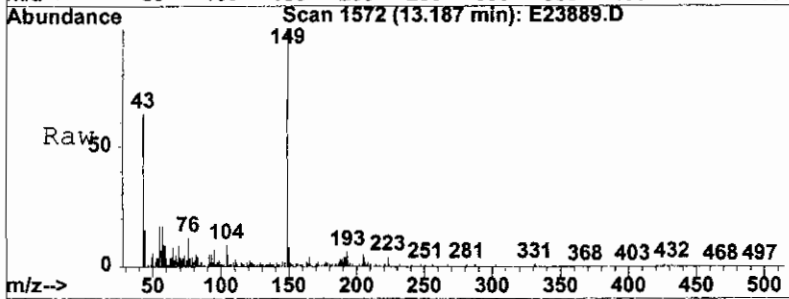
#64
 Anthracene
 Concen: 26.51 ug/mL m
 RT: 12.32 min Scan# 1441
 Delta R.T. -0.03 min
 Lab File: E23889.D
 Acq: 13 Apr 2001 3:03 am

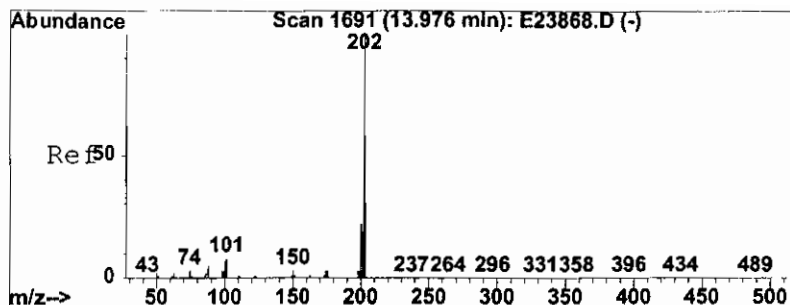
Tgt Ion:178 Resp: 79345
 Ion Ratio Lower Upper
 178 100
 176 17.3 15.4 23.0
 179 15.4 13.0 19.6
 177 4.1 0.1 0.1#



#65
 Di-n-butyl phthalate
 Concen: 19.94 ug/mL
 RT: 13.19 min Scan# 1572
 Delta R.T. -0.03 min
 Lab File: E23889.D
 Acq: 13 Apr 2001 3:03 am

Tgt Ion:149 Resp: 70193
 Ion Ratio Lower Upper
 149 100
 150 8.7 8.1 12.1
 76 12.7 6.8 10.2#
 104 9.6 6.1 9.1#





#66

Fluoranthene

Concen: 201.01 ug/mL m

RT: 13.96 min Scan# 1689

Delta R.T. -0.03 min

Lab File: E23889.D

Acq: 13 Apr 2001 3:03 am

Tgt Ion:202 Resp: 647192

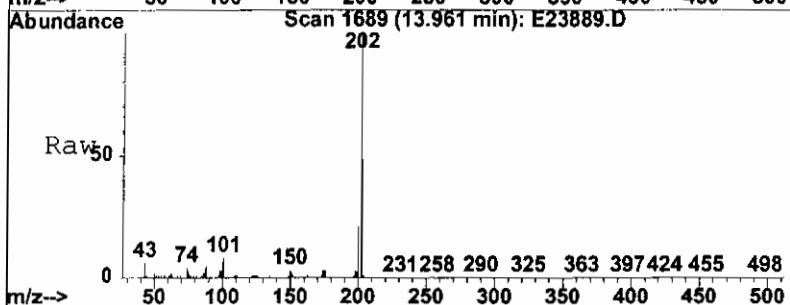
Ion Ratio Lower Upper

202 100

200 21.7 17.5 26.3

203 17.9 14.9 22.3

201 4.8 2.6 4.0#



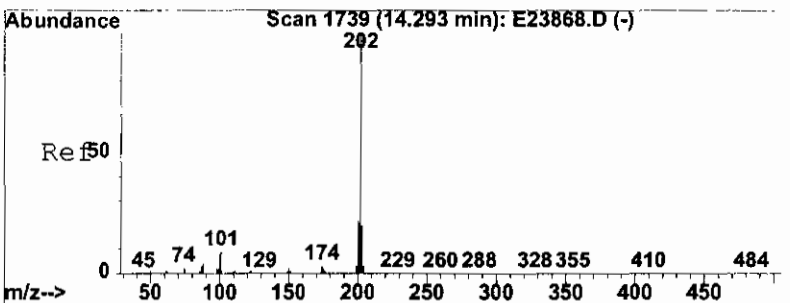
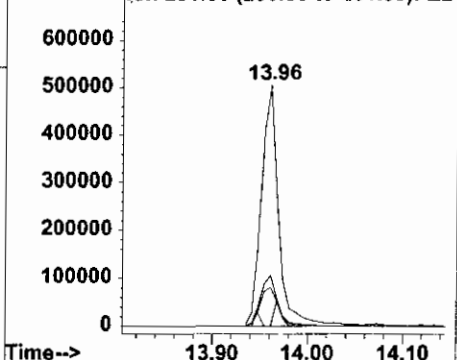
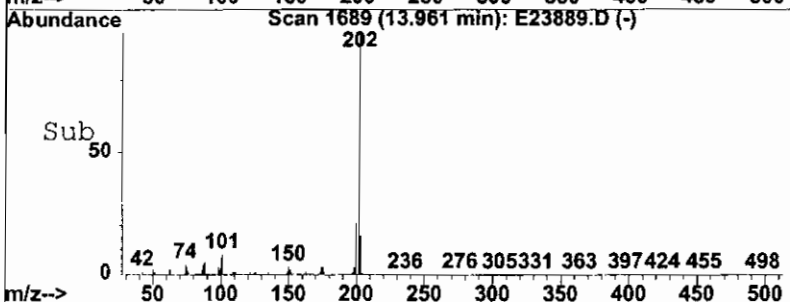
Abundance

Ion 202.00 (201.50 to 202.50): E2

Ion 200.00 (199.50 to 200.50): E2

Ion 203.00 (202.50 to 203.50): E2

Ion 201.00 (200.50 to 201.50): E2



#68

Pyrene

Concen: 161.25 ug/mL

RT: 14.27 min Scan# 1736

Delta R.T. -0.03 min

Lab File: E23889.D

Acq: 13 Apr 2001 3:03 am

Tgt Ion:202 Resp: 508678

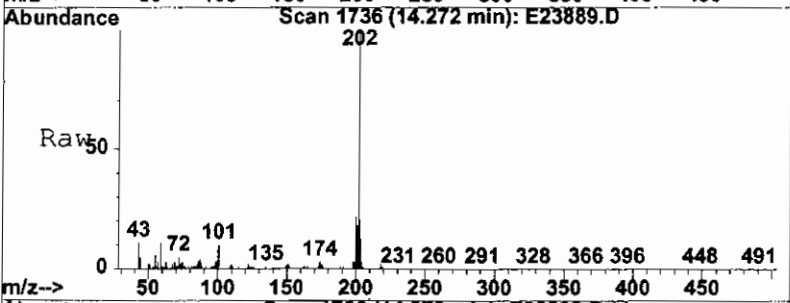
Ion Ratio Lower Upper

202 100

200 21.8 17.0 25.6

203 22.9 15.9 23.9

201 18.8 16.5 24.7



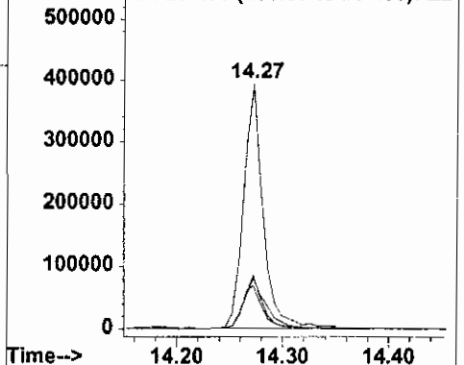
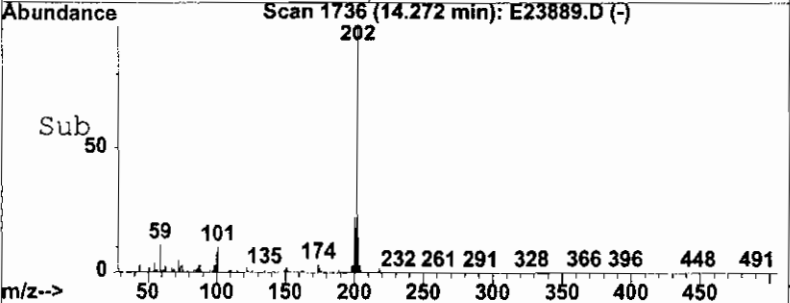
Abundance

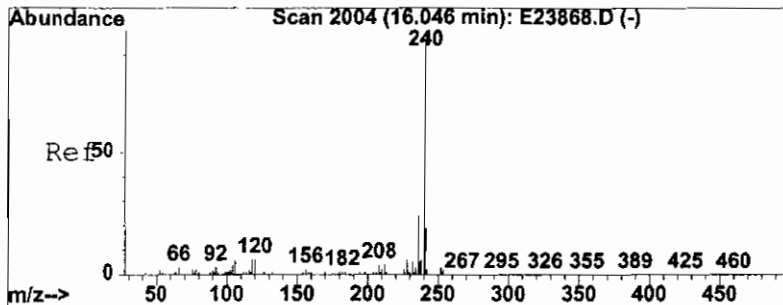
Ion 202.00 (201.50 to 202.50): E2

Ion 200.00 (199.50 to 200.50): E2

Ion 203.00 (202.50 to 203.50): E2

Ion 201.00 (200.50 to 201.50): E2





#69

Chrysene-d12

Concen: 40.00 ug/mL

RT: 16.04 min Scan# 2003

Delta R.T. -0.02 min

Lab File: E23889.D

Acq: 13 Apr 2001 3:03 am

Tgt Ion:240 Resp: 3047965

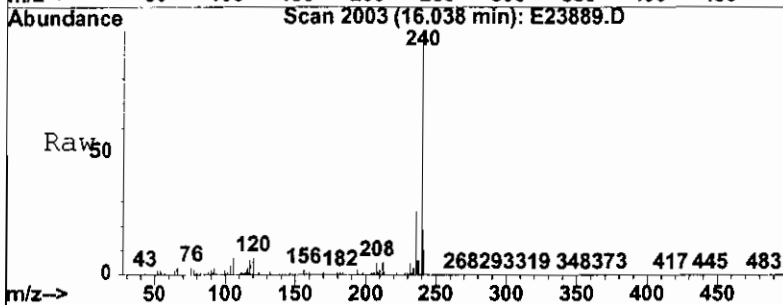
Ion Ratio Lower Upper

240 100

236 25.8 20.1 30.1

241 19.8 15.4 23.0

239 0.3 0.0 0.0#



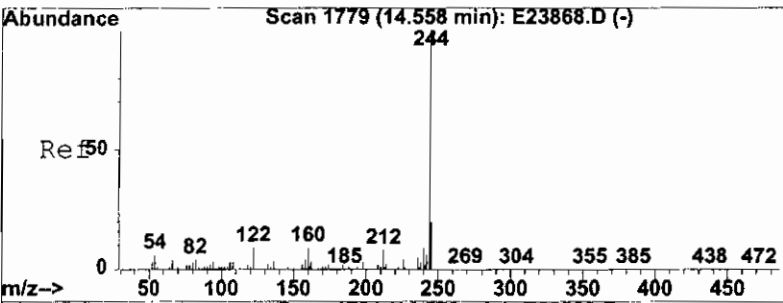
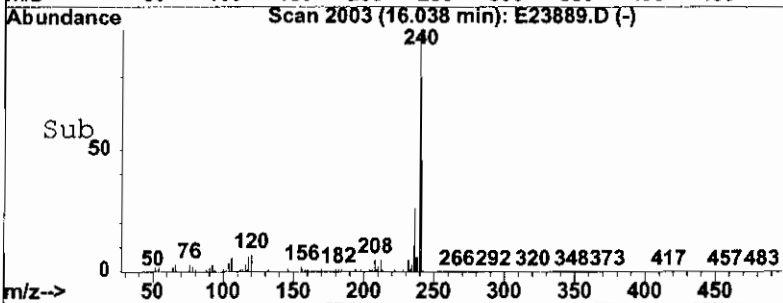
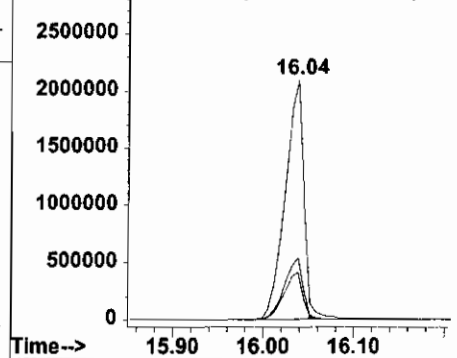
Abundance

Ion 240.00 (239.50 to 240.50): E2

Ion 236.00 (235.50 to 236.50): E2

Ion 241.00 (240.50 to 241.50): E2

Ion 239.00 (238.50 to 239.50): E2



#70

Terphenyl-d14

Concen: 2319.06 ug/mL

RT: 14.57 min Scan# 1781

Delta R.T. 0.00 min

Lab File: E23889.D

Acq: 13 Apr 2001 3:03 am

Tgt Ion:244 Resp: 5956720

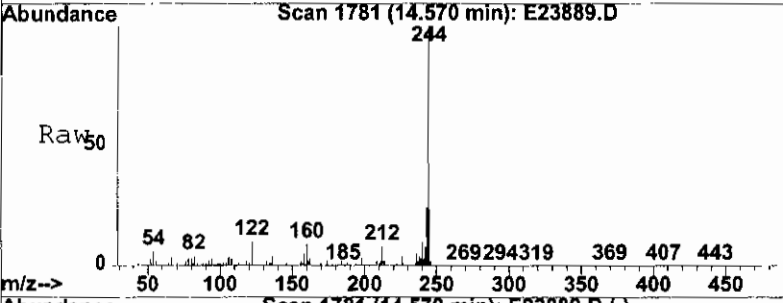
Ion Ratio Lower Upper

244 100

243 22.2 0.0 0.0#

245 20.0 16.2 24.4

240 9.6 7.4 11.2



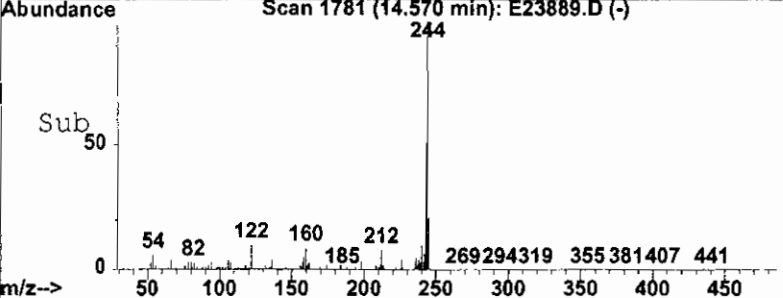
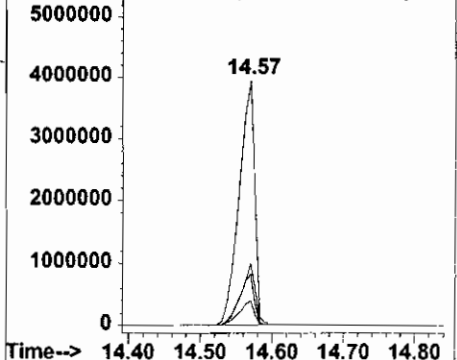
Abundance

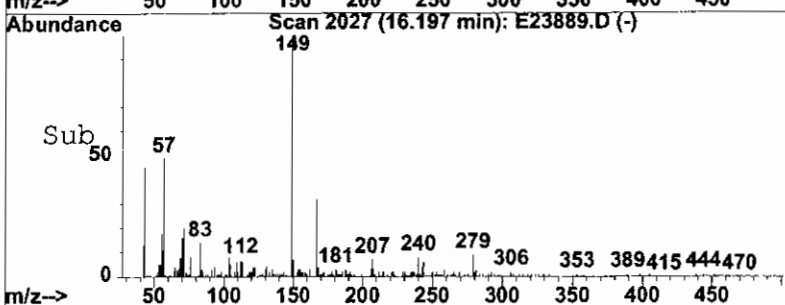
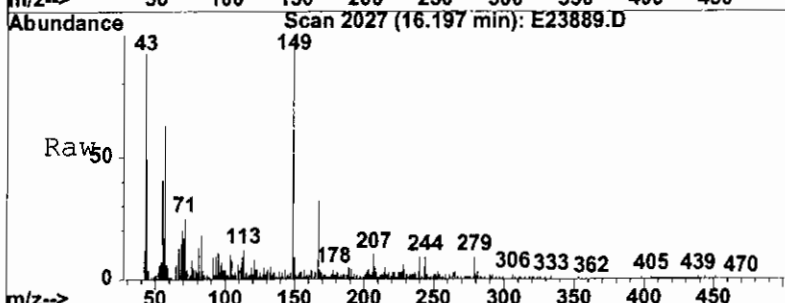
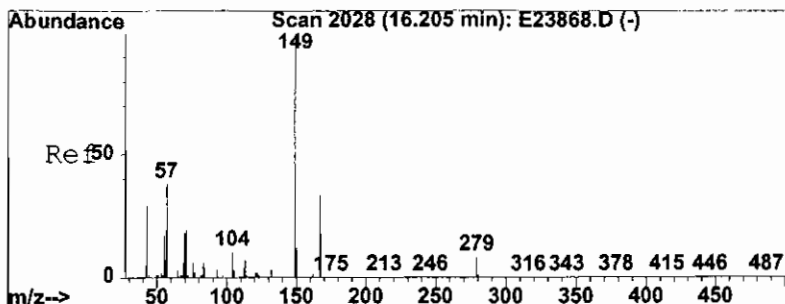
Ion 244.00 (243.50 to 244.50): E2

Ion 243.00 (242.50 to 243.50): E2

Ion 245.00 (244.50 to 245.50): E2

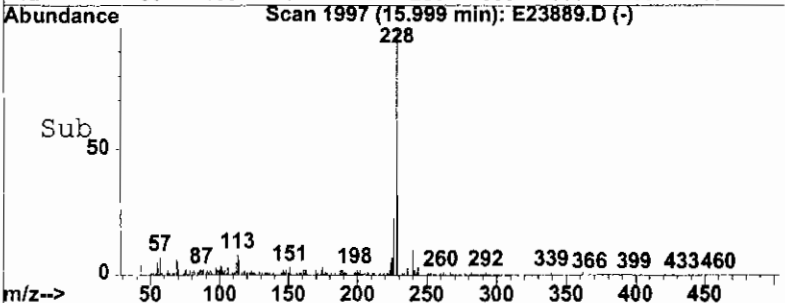
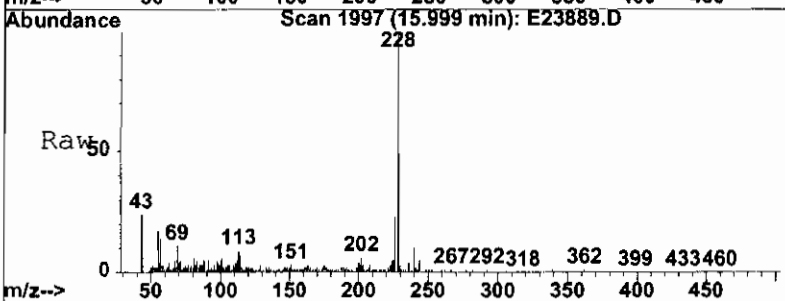
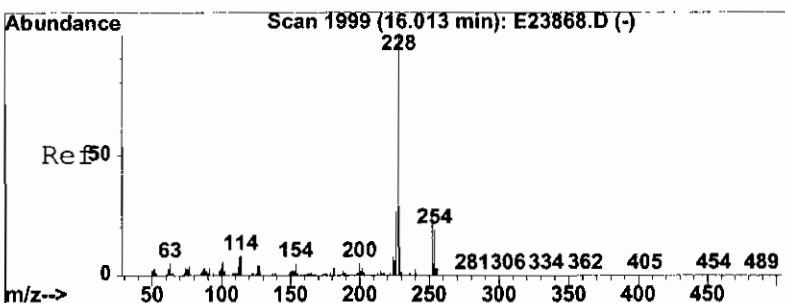
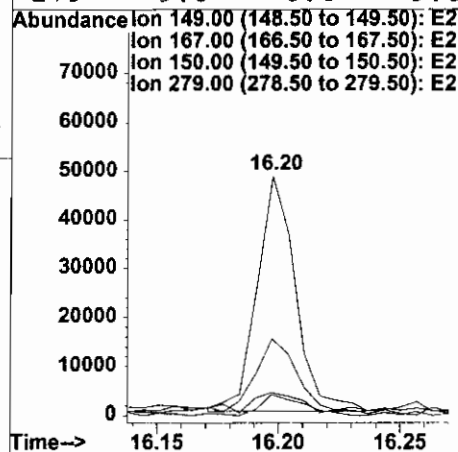
Ion 240.00 (239.50 to 240.50): E2





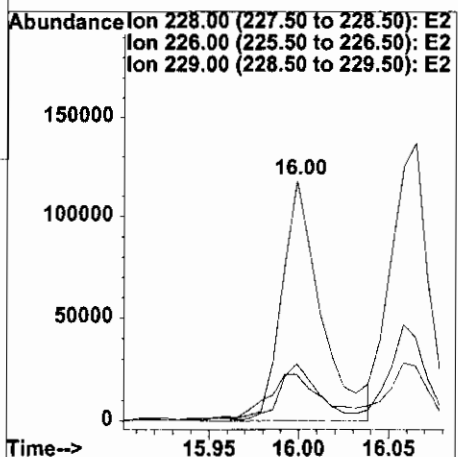
#72
Bis(2-ethylhexyl)phthalate
Concen: 20.73 ug/mL
RT: 16.20 min Scan# 2027
Delta R.T. -0.02 min
Lab File: E23889.D
Acq: 13 Apr 2001 3:03 am

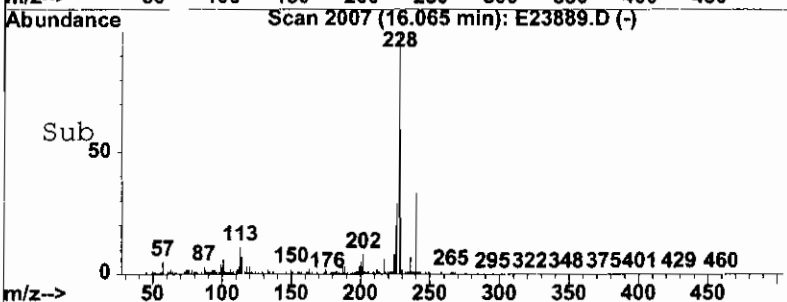
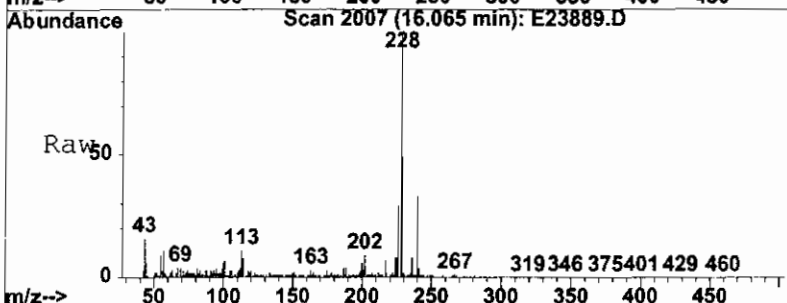
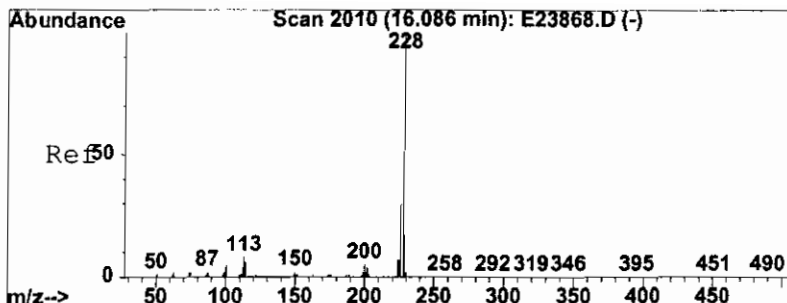
Tgt Ion: 149 Resp: 52715
Ion Ratio Lower Upper
149 100
167 36.8 26.8 40.2
150 17.7 9.4 14.2#
279 9.8 6.6 9.8



#73
Benz(a)anthracene
Concen: 56.15 ug/mL m
RT: 16.00 min Scan# 1997
Delta R.T. -0.03 min
Lab File: E23889.D
Acq: 13 Apr 2001 3:03 am

Tgt Ion: 228 Resp: 178327
Ion Ratio Lower Upper
228 100
226 37.0 21.8 32.8#
229 24.7 16.2 24.2#





#75

Chrysene

Concen: 72.90 ug/mL m

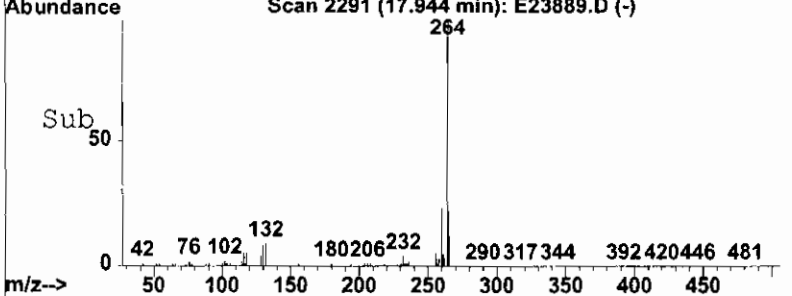
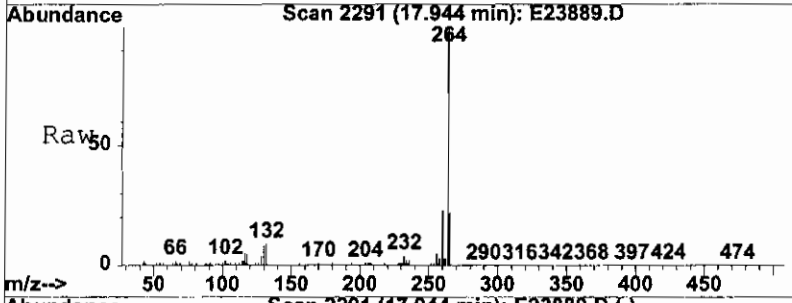
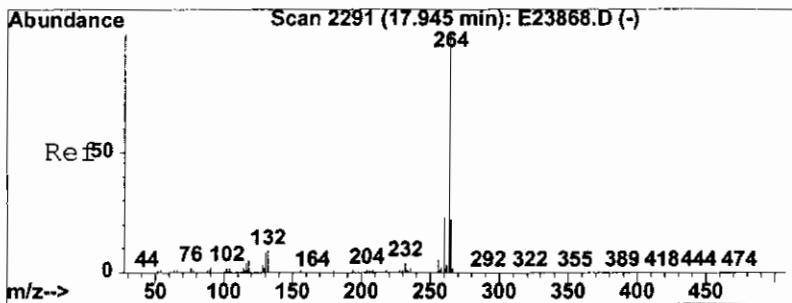
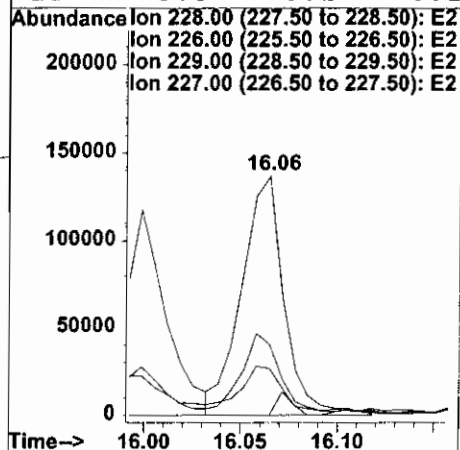
RT: 16.06 min Scan# 2007

Delta R.T. -0.04 min

Lab File: E23889.D

Acq: 13 Apr 2001 3:03 am

Tgt Ion:228	Resp:	208730
Ion Ratio	Lower	Upper
228	100	
226	31.6	24.0 36.0
229	22.4	16.1 24.1
227	3.5	0.1 0.1#



#77

Perylene-d12

Concen: 40.00 ug/mL

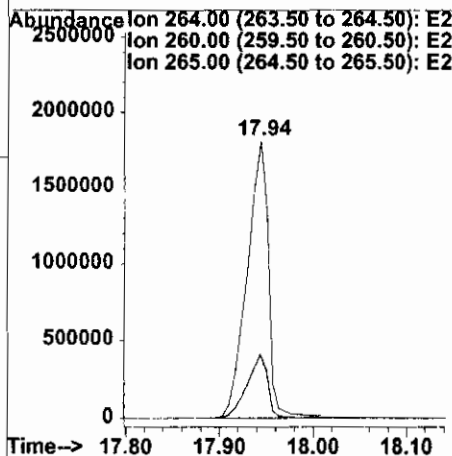
RT: 17.94 min Scan# 2291

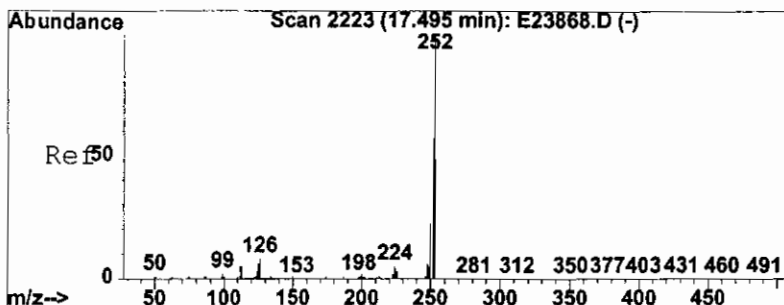
Delta R.T. -0.02 min

Lab File: E23889.D

Acq: 13 Apr 2001 3:03 am

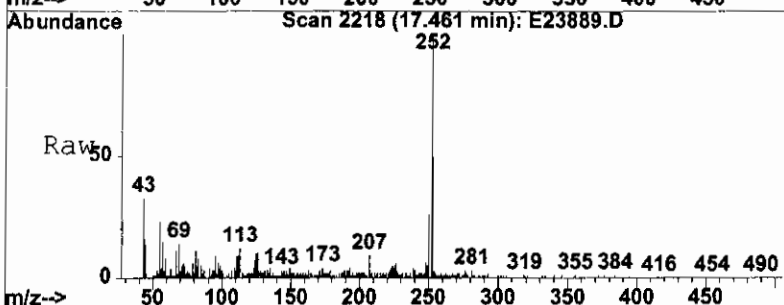
Tgt Ion:264	Resp:	2827768
Ion Ratio	Lower	Upper
264	100	
260	22.2	18.1 27.1
265	22.0	17.6 26.4



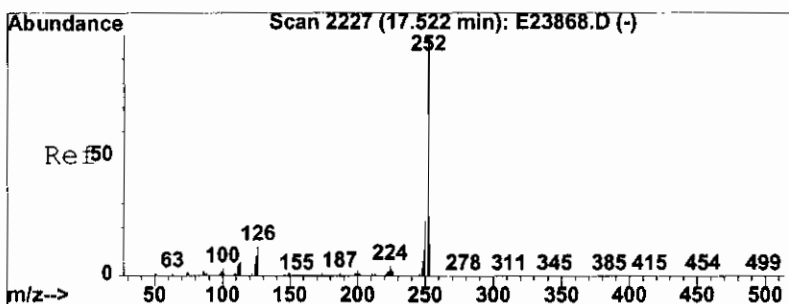
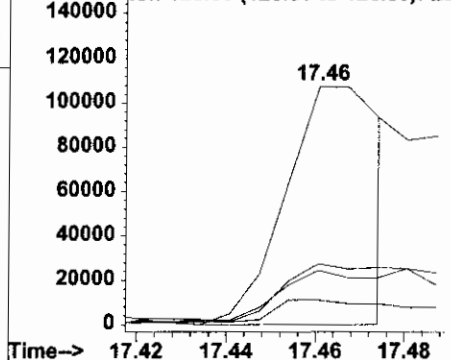
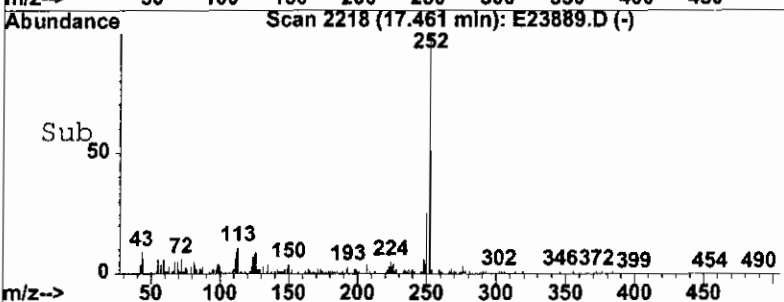


#78
Benzo(b)fluoranthene
Concen: 35.31 ug/mL m
RT: 17.46 min Scan# 2218
Delta R.T. -0.05 min
Lab File: E23889.D
Acq: 13 Apr 2001 3:03 am

Tgt Ion: 252 Resp: 159352
Ion Ratio Lower Upper
252 100
250 47.3 34.2 51.4
253 41.4 33.4 50.0
126 16.3 12.2 18.2

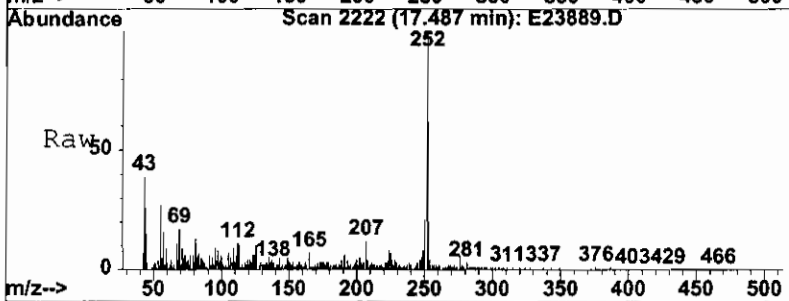


Abundance Ion 252.00 (251.50 to 252.50): E2
Ion 250.00 (249.50 to 250.50): E2
Ion 253.00 (252.50 to 253.50): E2
Ion 126.00 (125.50 to 126.50): E2

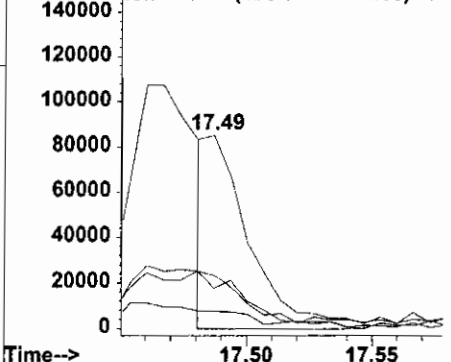
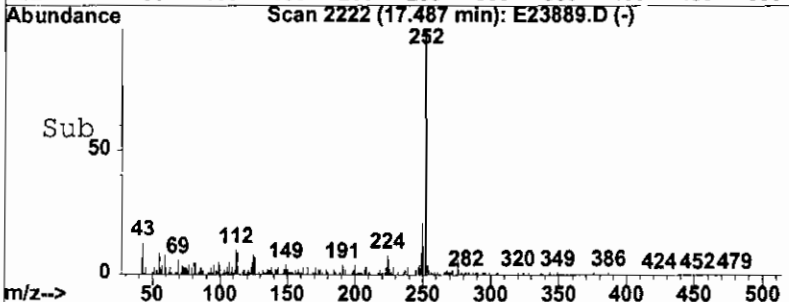


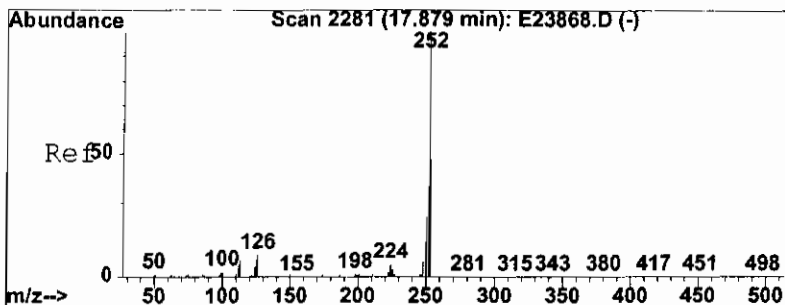
#79
Benzo(k)fluoranthene
Concen: 28.15 ug/mL m
RT: 17.49 min Scan# 2222
Delta R.T. -0.06 min
Lab File: E23889.D
Acq: 13 Apr 2001 3:03 am

Tgt Ion: 252 Resp: 99277
Ion Ratio Lower Upper
252 100
250 76.5 34.5 51.7#
253 66.4 33.5 50.3#
126 26.1 12.2 18.4#



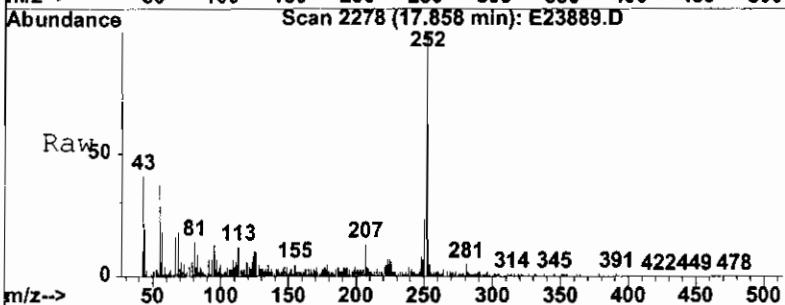
Abundance Ion 252.00 (251.50 to 252.50): E2
Ion 250.00 (249.50 to 250.50): E2
Ion 253.00 (252.50 to 253.50): E2
Ion 126.00 (125.50 to 126.50): E2



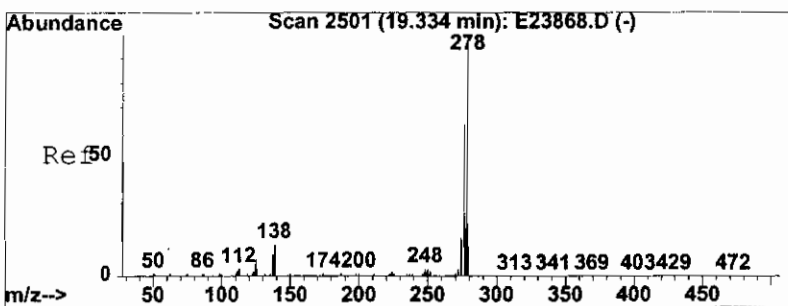
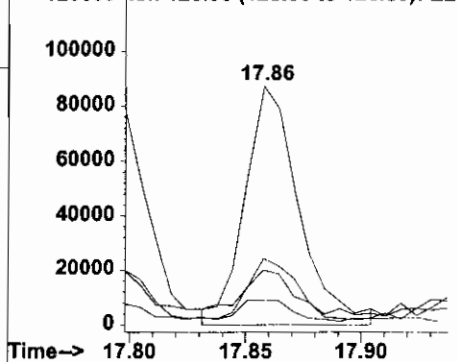
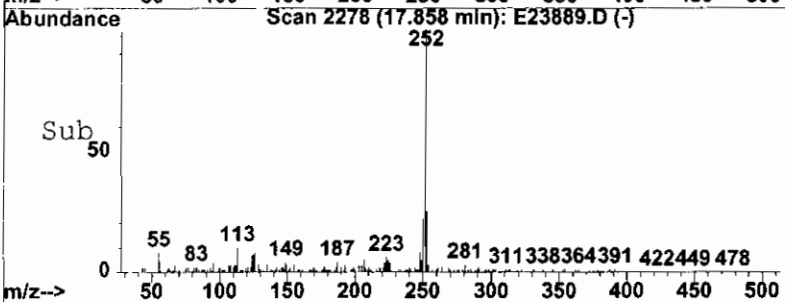


#80
Benz(a)pyrene
Concen: 42.98 ug/mL m
RT: 17.86 min Scan# 2278
Delta R.T. -0.04 min
Lab File: E23889.D
Acq: 13 Apr 2001 3:03 am

Tgt Ion: 252 Resp: 141281
Ion Ratio Lower Upper
252 100
250 53.4 19.3 28.9#
253 45.4 18.1 27.1#
126 17.4 6.8 10.2#

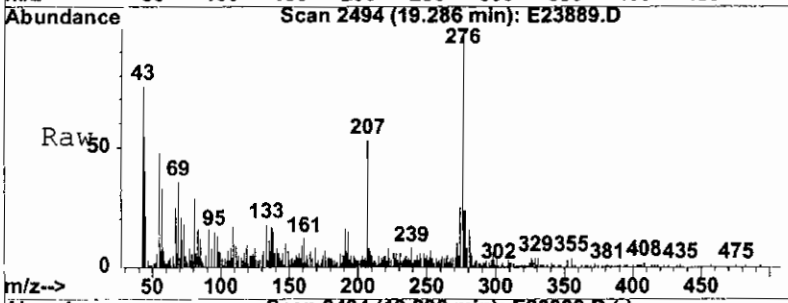


Abundance Ion 252.00 (251.50 to 252.50): E2
Ion 250.00 (249.50 to 250.50): E2
Ion 253.00 (252.50 to 253.50): E2
Ion 126.00 (125.50 to 126.50): E2

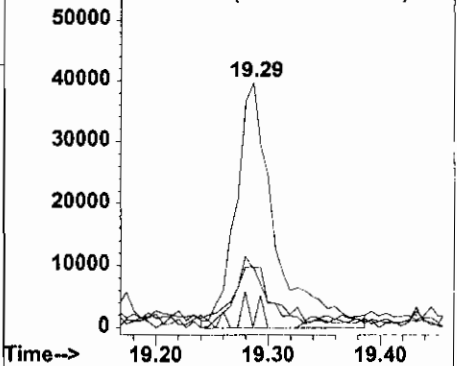
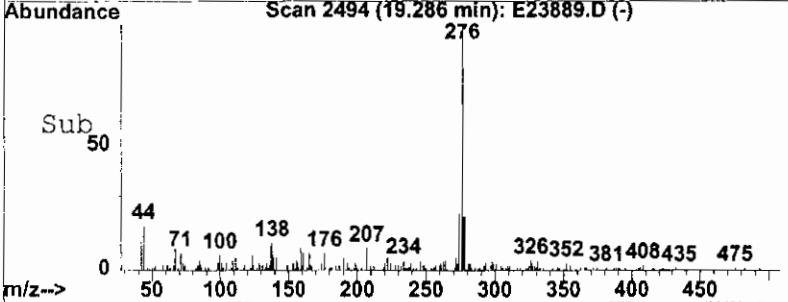


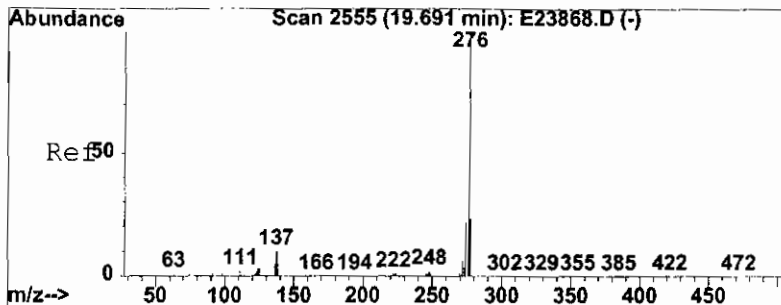
#81
Indeno(1,2,3-c,d)pyrene
Concen: 26.00 ug/mL m
RT: 19.29 min Scan# 2494
Delta R.T. -0.07 min
Lab File: E23889.D
Acq: 13 Apr 2001 3:03 am

Tgt Ion: 276 Resp: 95477
Ion Ratio Lower Upper
276 100
277 1.2 21.8 32.8#
274 0.7 19.7 29.5#
275 2.2 0.1 0.1#



Abundance Ion 276.00 (275.50 to 276.50): E2
Ion 277.00 (276.50 to 277.50): E2
Ion 274.00 (273.50 to 274.50): E2
Ion 275.00 (274.50 to 275.50): E2





#83

Benzo(g,h,i)perylene

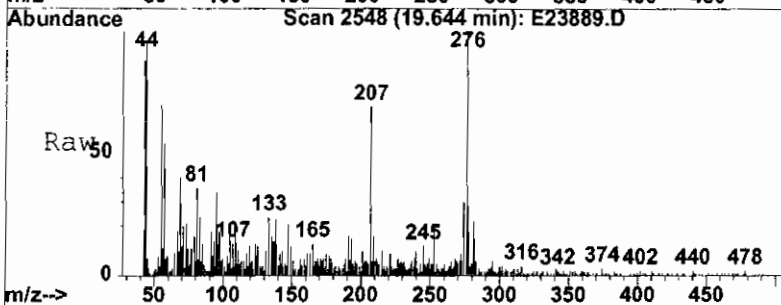
Concen: 26.65 ug/mL m

RT: 19.64 min Scan# 2548

Delta R.T. -0.07 min

Lab File: E23889.D

Acq: 13 Apr 2001 3:03 am



Tgt Ion: 276 Resp: 75484

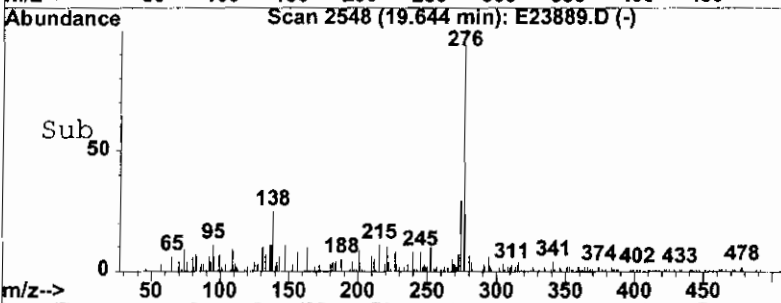
Ion Ratio Lower Upper

276 100

277 2.0 19.0 28.6#

274 0.0 18.0 27.0#

138 0.0 10.2 15.4#



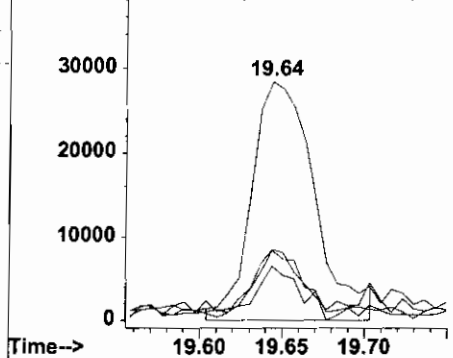
Abundance

Ion 276.00 (275.50 to 276.50): E2

Ion 277.00 (276.50 to 277.50): E2

Ion 274.00 (273.50 to 274.50): E2

Ion 138.00 (137.50 to 138.50): E2



DATA USABILITY SUMMARY REPORT

•

**DATA USABILITY SUMMARY REPORT
YORK PROJECT NO. 01040168
APRIL 20, 2001**

1. *Is the data package complete as defined under the requirements for the New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B deliverables?*

Yes.

2. *Have all holding times been met?*

Yes.

3. *Do all the quality control data fall within protocol required limits and specifications?*

Yes.

4. *Have all the data been generated using established and agreed upon analytical protocols?*

Yes.

5. *Does an evaluation of the raw data confirm the results provided in the data summary sheets and quality control verification forms?*

Yes.

6. *Have the correct data qualifiers been used?*

Yes.

A case narrative prepared by York Analytical Laboratories is shown on the following page.

YORK
Case Narrative
York SDG No. 01040168

Introduction

Fourteen water samples and two soil samples were received on April 6, 2001. All samples were received intact in custody-sealed coolers. Upon receipt, the temperature of the coolers was determined. The cooler temperatures were 2.6 °C at time of receipt as measured by a NIST traceable digital infrared thermometer. Chain-of-custody was maintained from receipt through analysis in the laboratory.

Methodology

The client requested analysis of the water samples for Volatile organics and Base-Neutral/Acid extractables. All preparation and analyses were conducted according to the SW-846 methods or EPA methods as detailed in the following table.

<u>Parameter</u>	<u>Preparative Method</u>	<u>Analysis Method</u>
Volatiles, targets .	NA	8260
BNA, targets	3510C	8270

Preparation/Analysis

Volatiles

No problems were encountered during analysis of these samples, except for dilutions necessary due to levels of targets compounds encountered. All internal standard areas, surrogates recoveries and matrix spike/duplicate recoveries met laboratory control limits.

All blanks met method criteria. All data, where applicable, are suffixed with appropriate flags (e.g. J, B).

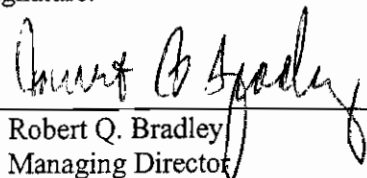
Semi-Volatiles

No problems were encountered during preparation and analysis of these samples. All internal standard areas, surrogates recoveries and matrix spike/duplicate recoveries met laboratory control limits.

SDG 01040168 Statement

We certify that these data are in compliance with the requirements as defined in our contract both technically and for completeness for other than the conditions stated above. Release of the data contained in the hard copy report has been authorized by the Laboratory Manager as verified by the following signature.

Approved by:


Robert Q. Bradley
Managing Director

Date: August 23, 2001

000030