

**Supplemental Investigation Report
for the Property Located at
41 Saxon Avenue, Bay Shore, New York**

NYSDEC Site No. V00338-1

**Prepared for Submission to the New York State
Department of Environmental Conservation**

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prepared by

Dermody & Menegio Consulting, Inc.
Geologists and Environmental Scientists
32 Chichester Avenue, Center Moriches, NY 11934
Tel 631.878.3510 Fax 631.878.3560

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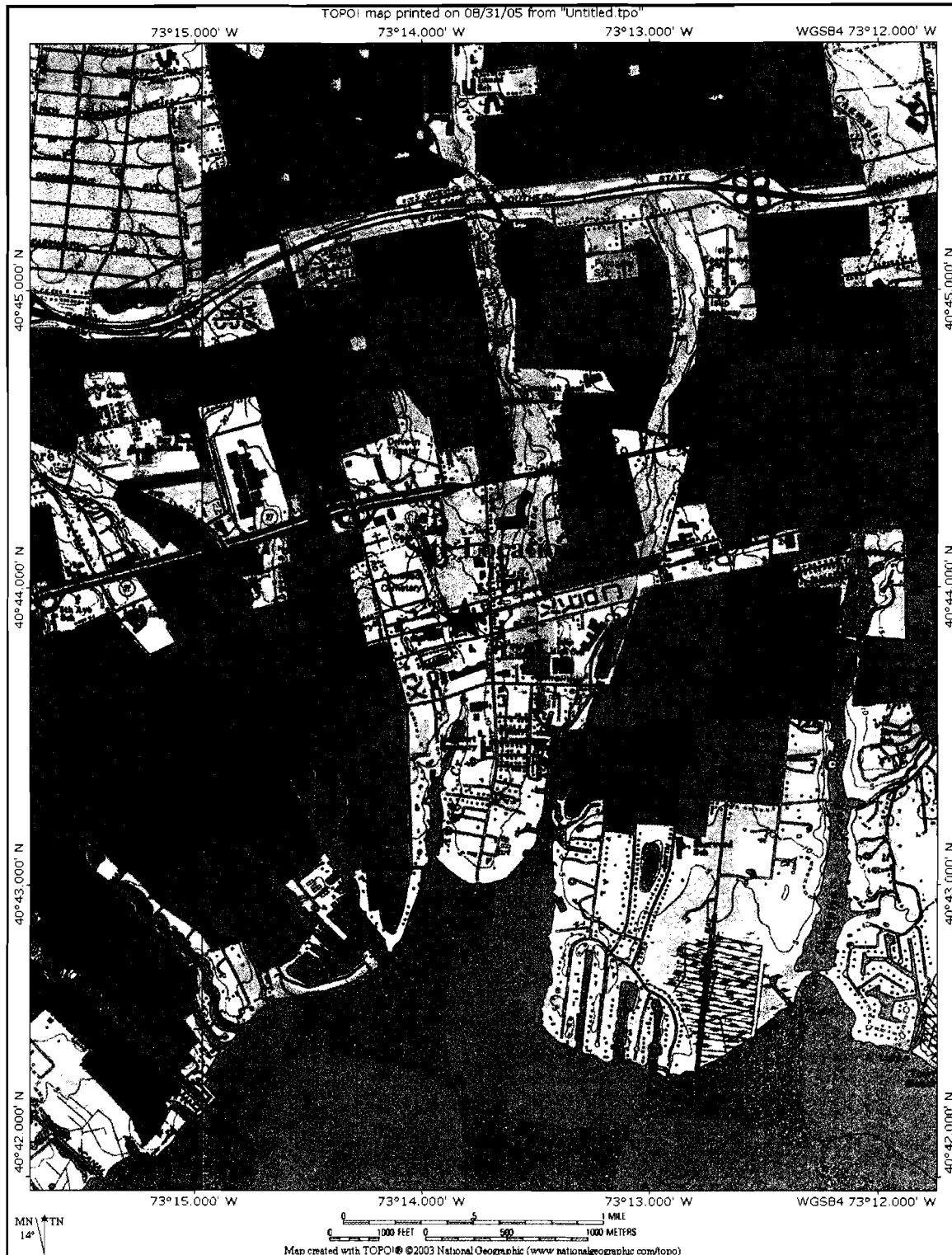
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SECTION 1.0 INTRODUCTION

This Supplemental Investigation Report for on and off-Site areas has been prepared by Dermody & Menegio Consulting, Inc. for the property located at 41 Saxon Avenue, Bay Shore, New York (the Site). The Site location is shown in Figure 1.1.

The purpose of the investigation was to determine the off-Site extent of groundwater contamination as well as provide further information regarding the geological conditions at the Site and the vertical extent of contamination in the groundwater in the area of the former scrap metal loading dock area of the Site. Also, the existing groundwater monitoring wells at the Site were re-sampled to update the groundwater conditions throughout the Site.

Figure 1.1
Site Location
41 Saxon Avenue, Bay Shore, NY



SECTION 2.0

INVESTIGATION PROCEDURES AND RESULTS

2.1 Geoprobe Geological Investigation

A Geoprobe was used to determine the geology in the southwest portion of the Site. The purpose of this investigation was to determine if the geology in this area was suitable (sufficiently permeable) for Soil Vapor Extraction (SVE). Previous sampling in the southwest corner of the Site had indicated the presence of low-permeability material (silt and clay). The previous owner of the Site had reported that this material was extremely limited in areal extent and the investigation was performed to determine its extent. In addition, at some locations, geologic core sampling of the unconsolidated material were obtained below the water table to determine if the geology at depth is appropriate for air sparging (AS).

The investigation was performed with a Geoprobe and continuous core samples were obtained. Initially, six borings were planned, however, due to Site conditions encountered, a total of nine borings were performed. The locations of the borings are shown in Figure 2.1.1. After the first three borings were performed (GSB-1, 2, and 3), it was found that the area of silt and clay existing throughout approximately the western half of the southern border of the Site. Therefore, this area was deemed to be potentially unsuitable for the installation of an SVE system. To address this issue, a second line of samples were performed in a line adjacent and south of the building. The results showed that with the exception of GSB-4 at the west end of the Site, all other borings (GSB-5 through 9) showed, generally, fine to coarse sand (outwash deposits) and no evidence of



BUILDING LOCATION

GSB-4

GSB-5

GSB-6

GSB-7

GSB-8

GSB-9

ESTIMATED
EXTENT OF
LOW-PERMEABILITY
SOIL

PARKING AREA

GSB-1

GSB-2

GSB-3

CURBLINE

LEGEND

● GSB-1 GEOPROBE BORING LOCATION

APPROXIMATE SCALE: 1" = 20'

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FIGURE 2.1.1

LOCATIONS OF GEOLOGICAL BORINGS
41 SAXON AVENUE, BAY SHORE
NEW YORK

low permeability material. Therefore, this area has been deemed acceptable for the installation of the AS/SVE system. The boring logs are provided in Appendix A.

2.2 Off-Site Groundwater Investigation

Samples were obtained from four Geoprobe groundwater locations in the area downgradient of the Site to determine the concentrations of contaminants in the groundwater. At each location, a groundwater sample was obtained between 6 and 9 feet below grade and a second sample was obtained at 21 to 24 feet below grade (the depth to water at the Site and in the area of off-Site sampling is approximately five feet below grade). The locations at which the samples were obtained are shown in Figure 2.2.1. The samples were analyzed for volatile organic compounds (VOCs) by Method 8260.

The results of the sampling are summarized in Table 2.2.1 and the laboratory reports are provided in Appendix B. The results of the sampling show that, with the exception of GP-16 (the sample location nearest the Site), no significant concentrations of contaminants were detected in the samples. In addition, At GP-16, only the deeper sample (21 to 23 feet below grade) had detections of contaminants. The most significant detections were cis-1,2 dichloroethylene at 89 ug/l and vinyl chloride at 22 ug/l. Minor exceedances of the New York State Class GA standards were noted for petroleum constituents at the deeper sample at GP-16, however, these detections appear to be attributable to the release at the former Getty Station (now operating as a Reese Service Station). Other minor exceedances of the standards were noted for petroleum-related compounds in the deeper sample at location GP-19, however, due to the distance of these detections from the Site (approximately 1,200 feet) and the fact that most petroleum

Table 2.2.1
Off-Site Groundwater Chemical Analytical Results
41 Saxon Avenue
Bay Shore, New York

Sample ID	GP-16		GP-17		NYSDEC Class GA Ambient Water Quality Standards
Sample Depth (<i>in feet below grade</i>)	6-8	21-23	7-9	21-23	
Volatile Organic Compounds (<i>in micrograms per liter</i>)					
Benzene	ND	5	ND	1	1
n-Butylbenzene	ND	1	ND	ND	5*
1,1-Dichloroethane	ND	2	ND	ND	5*
cis-1,2-Dichloroethylene	ND	89	ND	ND	5*
Ethylbenzene	ND	19	ND	ND	5*
Isopropylbenzene	ND	4	ND	ND	5*
Methyl-tert- butyl ether	ND	ND	ND	1	10**
Naphthalene	ND	17	ND	ND	50***
n-Propylbenzene	ND	6	ND	ND	5*
Toluene	ND	5	ND	2	5*
1,1,1-Trichloroethane	ND	6	ND	ND	5*
1,2,4-Trimethylbenzene	ND	6	ND	2	5*
1,3,5-Trimethylbenzene	ND	1	ND	ND	5*
Vinyl Chloride	ND	22	ND	ND	2
o-Xylene	ND	4	ND	ND	5*
p- & m-Xylenes	ND	25	ND	2	5*

Table 2.2.1 (continued)
Off-Site Groundwater Chemical Analytical Results
41 Saxon Avenue
Bay Shore, New York

Sample ID	GP-18		GP-19		NYSDEC Class GA Ambient Water Quality Standards
Sample Depth (<i>in feet below grade</i>)	7-9	22-24	9-11	22-24	
Volatile Organic Compounds (<i>in micrograms per liter</i>)					
Benzene	ND	1	ND	6	1
n-Butylbenzene	ND	ND	ND	ND	5*
1,1-Dichloroethane	ND	ND	ND	ND	5*
cis-1,2-Dichloroethylene	ND	ND	ND	ND	5*
Ethylbenzene	ND	ND	ND	4	5*
Isopropylbenzene	ND	ND	ND	3	5*
Methyl-tert- butyl ether	ND	2	ND	ND	10**
Naphthalene	ND	ND	ND	ND	50***
n-Propylbenzene	ND	ND	ND	7	5*
Toluene	ND	ND	ND	2	5*
1,1,1-Trichloroethane	ND	ND	ND	ND	5*
1,2,4-Trimethylbenzene	ND	ND	ND	6	5*
1,3,5-Trimethylbenzene	ND	ND	ND	ND	5*
Vinyl Chloride	ND	ND	ND	ND	2
o-Xylene	ND	ND	ND	ND	5*
p- & m-Xylenes	ND	ND	ND	3	5*

Notes:

Only detected analytes are reported.

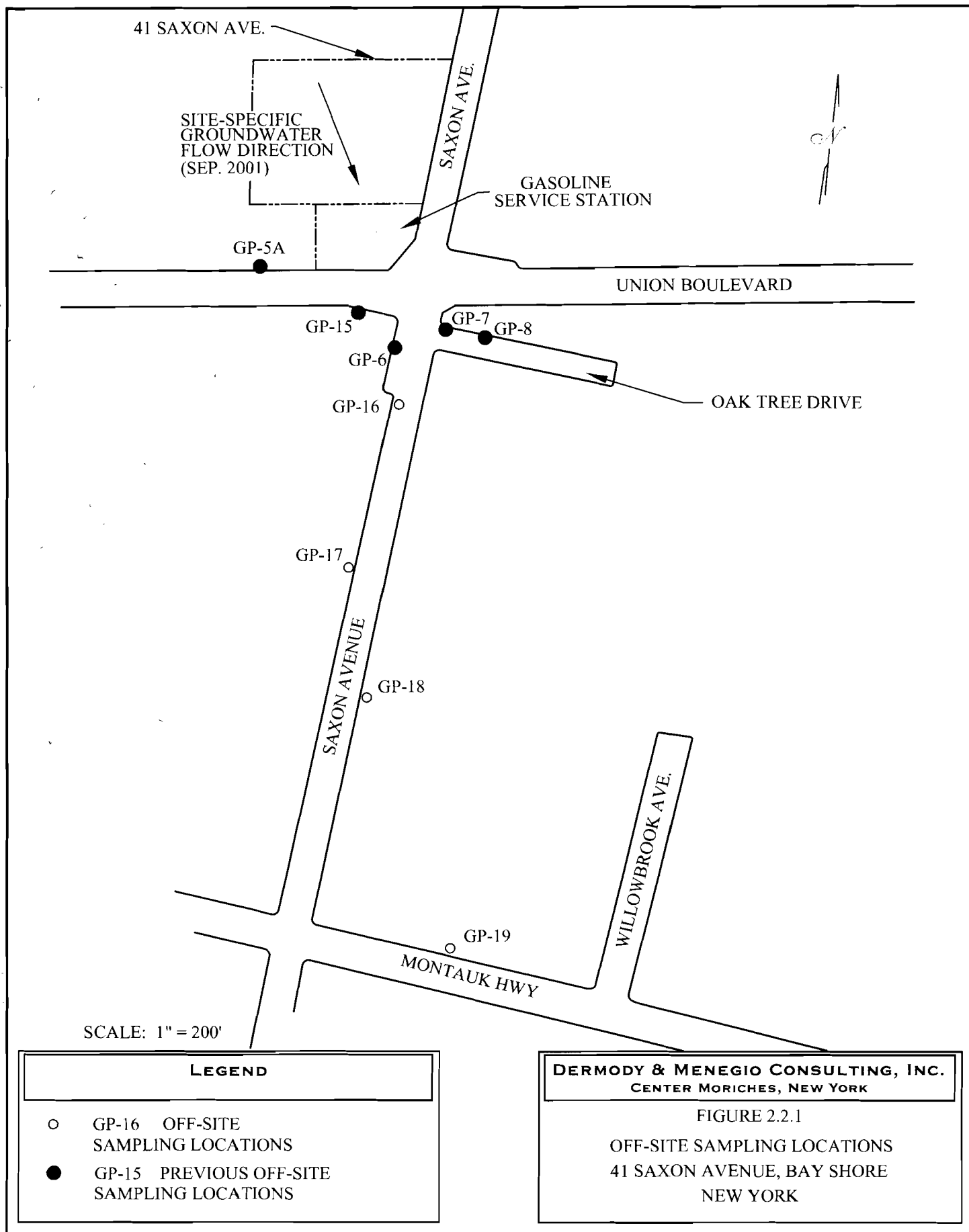
ND = Not Detected

* = The Principal Organic Contaminant Standard applies.

** = The Guidance Value for methyl-tert- butyl ether applies.

*** = The General Organic Contaminant Standard applies.

Bold values indicate an exceedance of the New York State Department of Environmental Conservation (NYSDEC) Class GA Ambient Water Quality Standards.



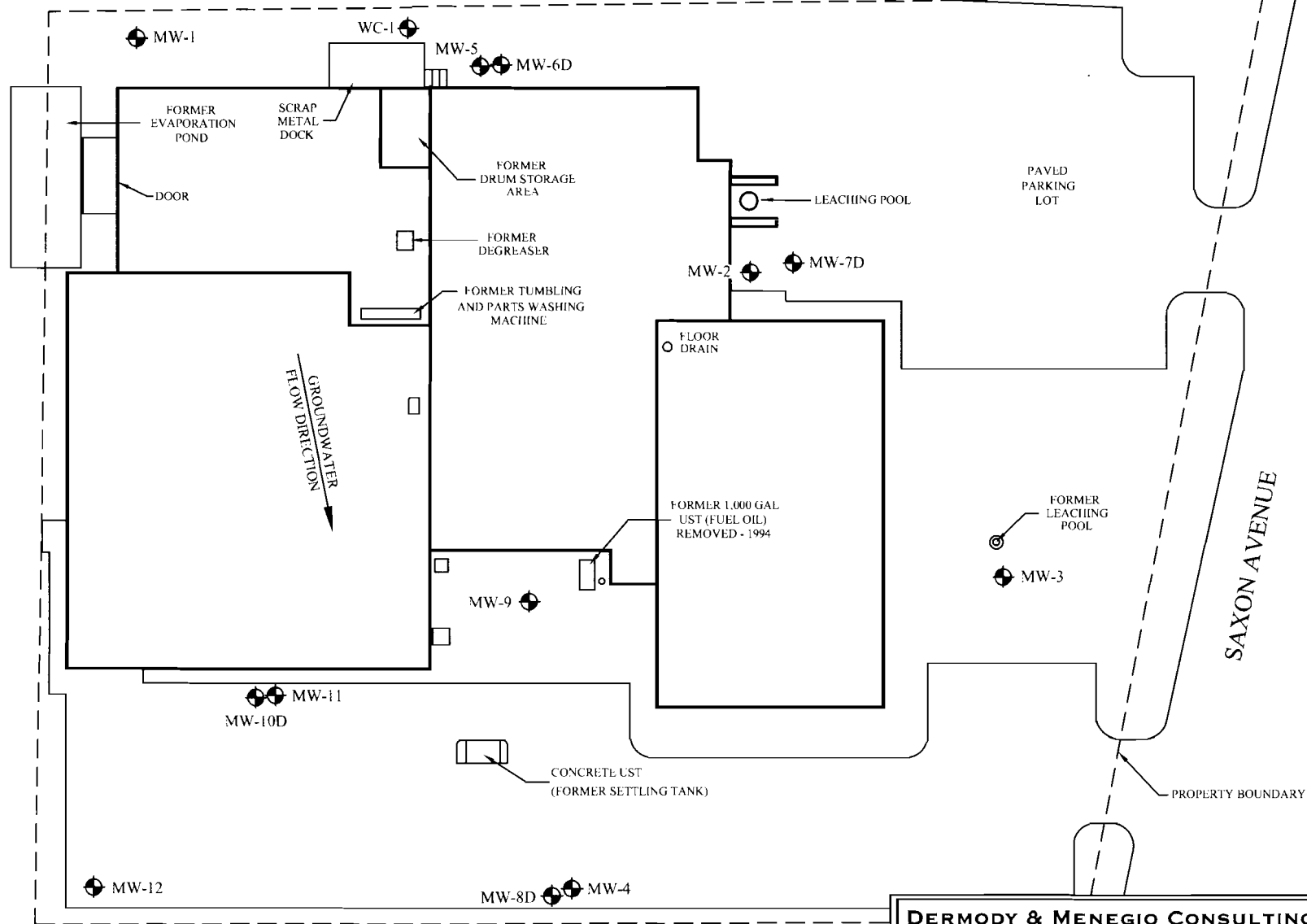
constituents do not generally travel more than a few hundred feet from the source area, the detections are likely to be emanating from an unknown source that is well downgradient of the Site. Therefore, it appears that the downgradient extent of groundwater impacted by the Site is limited to the Geoprobe location that is a distance of approximately 300 feet from the Site.

2.3 On-Site Groundwater Sampling

To further evaluate the groundwater conditions at the Site, a well cluster was installed in the area of the former scrap metal loading dock and within the area where contaminated soil was previously removed (see Figure 2.3.1 for the locations of all groundwater monitoring wells).

The well cluster was installed using hollow-stem auger drilling to a depth of 55 feet below grade. Four one-inch PVC wells with 0.020-slot screens were installed in the borehole. The screened intervals are 5 to 10, 20 to 25, 35 to 40, and 50 to 55 feet below grade. No. 2 Morie gravel was placed in the borehole opposite the screens and to a depth one foot above the screen at each interval. A two-foot layer of bentonite was placed over each gravel-packed section to segregate the screened intervals. The well was grouted to grade and finished with a flush-to-grade manhole at the surface. The boring and well construction log is provided in Appendix A.

The cluster wells were developed and sampled following their installation. The wells were purged for development using a peristaltic pump. The samples were obtained with a dedicated polyethylene bailer.



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FIGURE 2.3.1
SITE LAYOUT AND GROUNDWATER
MONITORING WELL LOCATIONS
41 SAXON AVENUE, BAY SHORE
NEW YORK

The well cluster was sampled along with nine pre-existing groundwater monitoring wells throughout the Site. The locations of all wells at the Site are shown in Figure 2.3.1. The groundwater sampling results for all wells are shown in Table 2.3.1. The results for the cluster well (WC-1) shows that the primary VOC detected was tetrachloroethylene. The highest concentration detected was 870 ug/l in the shallowest interval (5 to 10 feet below grade). The concentrations of tetrachloroethylene in the successively deeper intervals were 8 ug/l at 20 to 25 feet, 23 ug/l at 35 to 40 feet, and 740 ug/l at 50 to 55 feet. Other, related VOCs including trichloroethylene and 1,2-dichloroethylene were detected at lesser concentrations but in similar ratios when compared to the tetrachloroethylene. Although the overall results of this sampling indicate generally low concentrations of tetrachloroethylene for what is known to be the major source area at the Site, the deepest sample and the shallowest sample were detected with similar concentrations. Since there has been no clear indication of DNAPL (dense non-aqueous-phase liquid) during previous sampling at the Site, the concentration detected in the deepest sample may be anomalous. The potential exists that contamination from the shallow zone was transported to the deeper zone through the drilling process. Re-sampling of the cluster well will be performed to evaluate this issue further.

Nine other groundwater monitoring wells were sampled at the Site. Three wells were not sampled during this event; MW-1 (which could not be located and may have been destroyed) and MW-6D and 7D (which could not be accessed due to rusted bolts, however, the bolts have since been removed and the wells may be sampled in future events).

Table 2.3.1
On-Site Groundwater Chemical Analytical Results
41 Saxon Avenue
Bay Shore, New York

Sample Location	MW-2	MW-3	MW-4	MW-5	MW-8D	MW-9	MW-10D	MW-11	MW-12	WC-1 (5'-10')	WC-1 (20'-25')	WC-1 (35'-40')	WC-1 (50'-55')	NYSDEC Class GA Ambient Water Quality Standards
Volatile Organic Compounds (in micrograms per liter)														
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	8	ND	5*
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	2	ND	ND	ND	ND	5*
1,1-Dichloroethane	ND	ND	ND	ND	ND	120	ND	ND	22	ND	ND	ND	ND	5*
cis-1,2-Dichloroethylene	ND	ND	580	ND	ND	2,800	ND	1	14	53	ND	4	32	5*
Methylene Chloride	3B	3B	40B	3B	3B	220B	3B	4B	3B	120B	4B	4B	44B	5*
Methyl-tert butyl ether	ND	ND	ND	ND	1	ND	1	1	ND	ND	ND	ND	ND	10**
Tetrachloroethylene	4	2	48	7	6	2,600	ND	ND	ND	870	8	23	740	5*
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	61	ND	ND	ND	ND	5*
1,1,1-Trichloroethane	ND	ND	13	ND	2	300	ND	ND	25	110	ND	5	51	5*
Trichloroethylene	ND	ND	260	ND	ND	1,600	ND	ND	11	ND	ND	ND	ND	5*
Vinyl Chloride	ND	ND	30	ND	ND	98	ND	6	8	ND	ND	ND	ND	2
Volatile Organic Tentatively Identified Compounds (in micrograms per liter)														
Carbon Disulfide	ND	ND	ND	ND	ND	ND	2J	ND	ND	ND	ND	ND	ND	-
Hexane	25JB	17JB	152JB	25JB	30JB	1,000JB	32JB	17JB	31JB	550JB	19JB	17JB	210JB	-
Unknown possible ethanol	ND	ND	ND	7J	ND	ND	5J	9J	10	ND	ND	ND	ND	-
Unknown possible Ethanol	ND	8J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-

Notes:

Only detected analytes are reported.

ND = Not Detected

J = Indicates an estimated value

B = Indicates that the analyte was also found in the trip blank sample.

* = The Principal Organic Contaminant Standard applies.

** = The Guidance Value for methyl-tert butyl ether applies.

- = No New York State Department of Environmental Conservation (NYSDEC) Class GA Ambient Water Quality Standard is available.

Bold values indicate an exceedance of the NYSDEC Class GA Ambient Water Quality Standards.

The results of the sampling show that the highest concentration of contamination was found at well MW-9 which is located to the south of the building generally in a line with the former scrap metal loading dock and the former degreaser area. This well is also generally in line with the well MW-4 which during previous sampling events, contained the highest concentrations of contaminants at the Site. At MW-9, the total concentration of VOCs detected was 7,518 ug/l (this total does not include the detections of methylene chloride or hexane since these compounds were detected in the method blank and their presence in the aquifer is questionable). Tetrachloroethylene was detected at this location at a concentration of 2,600 ug/l and the other compounds detected are likely to be degradation products of tetrachloroethylene. The highest concentration of any one VOC detected at MW-9 was cis-1,2- dichloroethylene (2,800 ug/l).

The concentrations at MW-4 were relatively low with the tetrachloroethylene concentration at 48 ug/l and the highest detection of any compound being cis-1,2-dichloroethylene (580 ug/l). Insignificant detections of VOCs were noted at well MW-8D, which is located adjacent to MW-4. Well MW-8D is screened from 25 to 35 feet below grade.

The only other location at which marginally significant concentrations of contaminants were detected was MW-12 which showed non-detectable concentrations of tetrachloroethylene and a total concentration of its degradation products of 80 ug/l. Toluene was also detected at this location at a concentration of 61 ug/l, however, this contaminant may not be related to the Site and may be the result of contamination from an off-Site source.

Based on this sampling round, the most significant contamination at the Site exists in a swath from the scrap metal loading lock to the area of well MW-4. No significant contamination was detected at any other locations at the Site. The apparent spike in concentrations at MW-9 may be the result of the disturbance of soil in the area of the former scrap metal loading dock during the removal of soil from that area in November, 2004 (the removal of the soil and replacement with permeable sand may have exacerbated the ability of infiltrating precipitation to transport contaminants from the vadose zone to the groundwater and the groundwater has since traveled to the area of MW-9).

2.4 Quality Assurance/ Quality Control (QA/QC) Samples

During the sampling of the on-Site groundwater wells, QA/QC samples were obtained to attest to the validity of the sample results. An equipment blank was prepared by pouring laboratory-supplied deionized water through a dedicated bailer prior to its use for sampling of the groundwater. A trip blank accompanied the samples during the sampling and subsequent transportation to the laboratory. Also, a blind duplicate sample was obtained for the sample at the 50 to 55-foot interval at WC-1.

The results of the analyses for the QA/QC samples are summarized in Table 2.4.1 and the laboratory reports are provided in Appendix B. The results for the trip and equipment blanks show no detections with the exception of low concentrations of methylene chloride and hexane. Methylene chloride and hexane are common laboratory contaminants and are not likely to be present in the primary samples. For the blind duplicate sample, the results show acceptable similarity.

The Category B deliverables package is provided in the CD in Appendix C.

Table 2.4.1
Quality Assurance/ Quality Control Groundwater Chemical Analytical Results
41 Saxon Avenue
Bay Shore, New York

Sample Location	WC-1 (50' – 55')	Blind Duplicate (WC-1 50' – 55')	Trip Blank	Equipment Blank	NYSDEC Class GA Ambient Water Quality Standards
Volatile Organic Compounds (<i>in micrograms per liter</i>)					
cis-1,2-Dichloroethylene	32	32	ND	ND	5*
Methylene Chloride	44B	32B	3B	3B	5*
Tetrachloroethylene	740	700	ND	ND	5*
1,1,1-Trichloroethane	51	48	ND	ND	5*
Trichloroethylene	ND	17	ND	ND	5*
Volatile Organic Tentatively Identified Compounds (<i>in micrograms per liter</i>)					
Hexane	ND	ND	32JB	23JB	-

Notes:

Only detected analytes are reported.

ND = Not Detected

J = Indicates an estimated value

B = Indicates that the analyte was also found in the trip blank sample.

* = The Principal Organic Contaminant Standard applies.

** = The Guidance Value for methyl-tert butyl ether applies.

- = No New York State Department of Environmental Conservation (NYSDEC) Class GA Ambient Water Quality Standard is available.

Bold values indicate an exceedance of the NYSDEC Class GA Ambient Water Quality Standards.

SECTION 3.0 CONCLUSIONS AND RECOMMENDATIONS

3.1 Conclusions

Based on the investigation performed, the geology of the southwest portion of the Site appears to be unsuitable for soil vapor extraction and air sparging. However, the area immediately south of the building, with the exception of the extreme western edge, contains highly permeable geology.

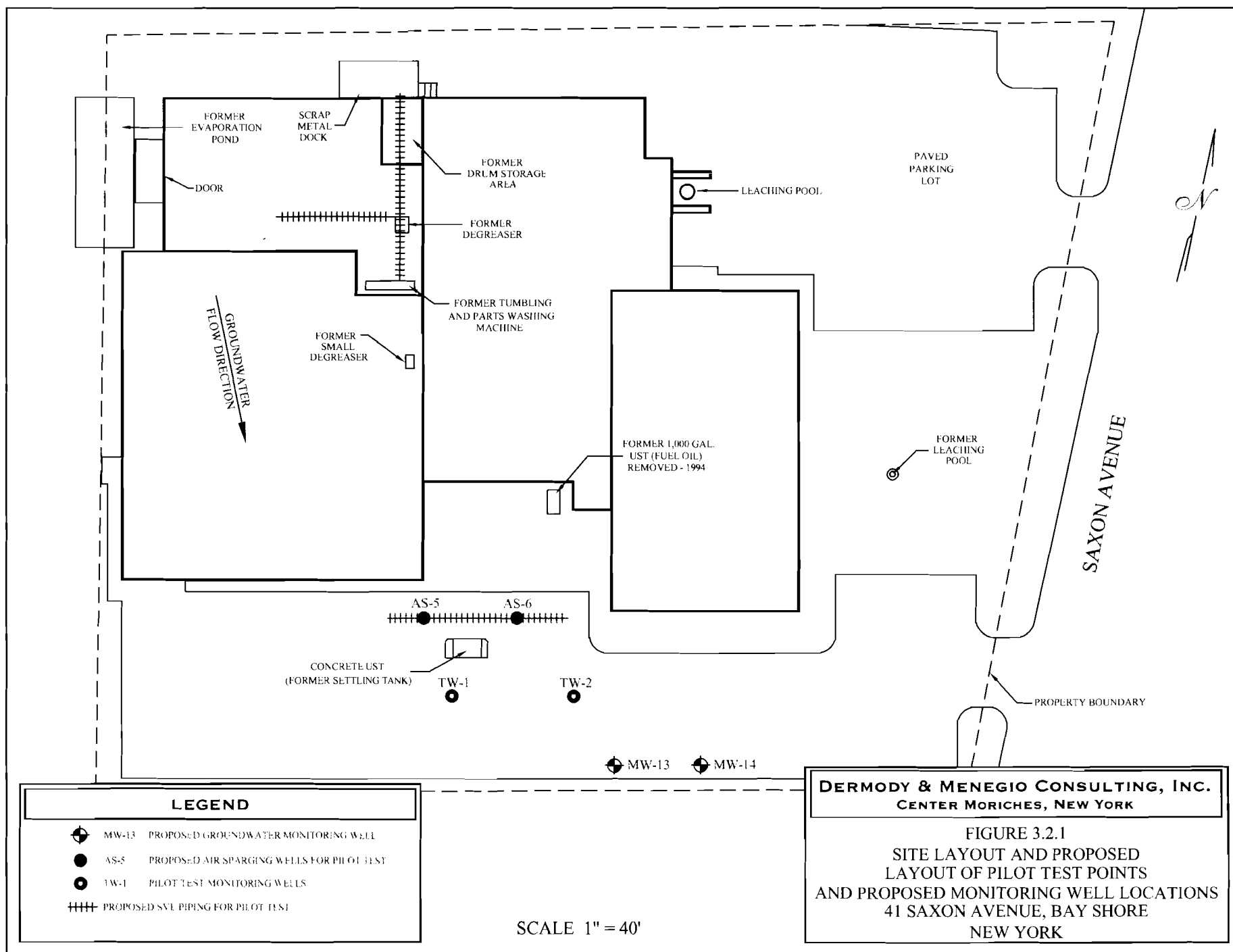
For the off-Site groundwater, no significant concentrations of contaminants were detected beyond a distance of approximately 300 feet from the Site boundary. The concentrations of contaminants at this location show a total of 119 ug/l of chlorinated VOCs. Petroleum compounds are also present and are likely to be emanating from the Reese Service Station.

For the on-Site groundwater, tetrachloroethylene and its degradation products were detected at the Site. The area of contamination is the swath from the scrap metal loading dock at the north side of the Site, southward through the former degreaser area, well MW-9 and, finally, MW-4 at the south end of the Site. The highest concentrations of contaminants were detected at MW-9 (total concentrations of VOCs were 7,518 ug/l). The total concentration of contaminants at MW-4 was 931 ug/l. MW-4 had previously had the highest concentrations of contamination at the Site, however, the apparent spike in concentrations at MW-9 may be the result of the disturbance of soil in the area of the former scrap metal loading dock during the removal of soil from that area in November, 2004.

3.2 Recommendations

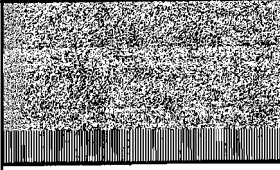
Based on this investigation, Dermody & Menegio provides the following recommendations:

- The pilot testing should be modified to move the air sparging and soil vapor system to the north, to a point just south of the building (as shown on Figure 3.2.1). The purpose of this change is to avoid the area of low permeability soil.
- A permanent groundwater monitoring well cluster should be installed at the location of downgradient Geoprobe sample GP-16. The cluster should have wells with screens installed at 20 to 25 feet, 35 to 40 feet, and 50 to 55 feet. The wells should be sampled quarterly to monitor the concentrations of off-Site contamination.
- Two groundwater monitoring wells should be installed to the east of well MW-4. These wells would assist in determining the current eastern extent of the plume. Previous Geoprobe groundwater sampling in this area has shown generally low levels of contaminants and the wells would be sampled to determine the eastern extent of the remedial system. The proposed locations of these wells are shown on Figure 3.2.1.
- The well cluster WC-1 in the former scrap metal loading dock area should be re-sampled to conclusively determine the vertical extent of contamination in this area.



Appendix A

Boring Log

Boring Location: GSB-1 Date: 8/8/05 Total Depth: 8 feet Diameter: 2 inches Sample Interval Length: 4 feet Drilling Method: Direct-push Technology Drilling Company: Land Air Water Environmental Services, Inc. Reported By: T. Wall			Notes:
Depth (in feet below grade)	PID Readings (ppm)	Graphics	Soil Characteristics
0 2 4 6 8			SW - 0' - 2' - Brown, medium to fine grained sand, dry. SW - 2' - 6' - Dark brown, medium to fine grained sand, dry. SM - 6' - 8' Brown to gray fine grained sand with clay, wet.

Boring Log

Boring Location: GSB-2 Date: 8/8/05 Total Depth: 8 feet Diameter: 2 inches Sample Interval Length: 4 feet Drilling Method: Direct-push Technology Drilling Company: Land Air Water Environmental Services, Inc. Reported By: T. Wall			Notes:
Depth (in feet below grade)	PID Readings (ppm)	Graphics	Soil Characteristics
0			SW - 0' - 5' - Brown, medium to fine grained sand, dry.
2			SW - 5' - 6' - Gray, medium to fine grained sand, wet.
4			
6			
8			SW - 6' - 8' - Brown, coarse to medium grained sand with gravel and pebbles, wet.

Boring Log

Boring Location: GSB-3

Date: 8/8/05

Total Depth: 20 feet

Diameter: 2 inches

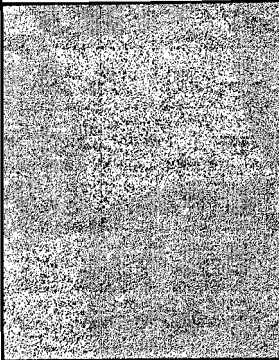
Sample Interval Length: 4 feet

Drilling Method: Direct-push Technology

Drilling Company: Land Air Water Environmental Services, Inc.

Reported By: T. Wall

Notes:

Depth (in feet below grade)	PID Readings (ppm)	Graphics	Soil Characteristics
0			SW - 0' - 3' - Brown, medium to fine grained sand with gravel, dry.
2			
4			SW - 3' - 5' - Brown, medium to fine grained sand, dry.
6			SW - 5' - 7' - Brown, medium to fine grained sand with clay, wet.
8			SW - 7' - 12' - Brown, coarse to medium grained sand with gravel, wet.
			SW - 12' - 16' - Brown, coarse to medium grained sand and gravel, wet.
			SW - 16' - 20' - Brown, medium to fine grained sand and trace gravel, wet.

Boring Log

Boring Location: GSB-4

Date: 8/8/05

Total Depth: 8 feet

Diameter: 2 inches

Sample Interval Length: 4 feet

Drilling Method: Direct-push Technology

Drilling Company: Land Air Water Environmental Services, Inc.

Reported By: T. Wall

Notes:

Depth (in feet below grade)	PID Readings (ppm)	Graphics	Soil Characteristics
0			<p>SW - 0' - 3' - Dark brown, medium to fine grained sand, trace gravel, moist.</p> <p>SW - 3' - 4' - Brown, coarse to medium grained sand and gravel, moist.</p> <p>SW- 4' - 5' - Brown to gray, medium to fine grained sand and gravel, moist.</p> <p>CL - 5' - 7.5' - Black, silty clay, wet.</p> <p>SW - 7.5' - 8' - Brown, medium to fine grained sand and gravel, wet.</p>
2			
4			
6			
8			

Boring Log

Boring Location: GSB-5

Date: 8/8/05

Total Depth: 8 feet

Diameter: 2 inches

Sample Interval Length: 4 feet

Drilling Method: Direct-push Technology

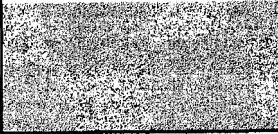
Drilling Company: Land Air Water Environmental Services, Inc.

Reported By: T. Wall

Notes:

Depth (in feet below grade)	PID Readings (ppm)	Graphics	Soil Characteristics
0			SP - 0' - 2' - Brown, medium grained sand, mixed with asphalt, dry.
2			
4			
6			
8			SP - 2' - 5' - Brown, medium grained sand, moist.
			SW - 5' - 8' - Light brown, coarse to medium grained sand, wet.

Boring Log

Boring Location: GSB-6 Date: 8/8/05 Total Depth: 8 feet Diameter: 2 inches Sample Interval Length: 4 feet Drilling Method: Direct-push Technology Drilling Company: Land Air Water Environmental Services, Inc. Reported By: T. Wall			Notes:
Depth (in feet below grade)	PID Readings (ppm)	Graphics	Soil Characteristics
0 2 4 6 8		Fill 	0' - 1' - Asphalt fill. SW - 1' - 2' - Brown, coarse to medium sand and fill, dry. SW - 2' - 3.5' - Brown, coarse to fine grained sand and trace gravel, dry. SW - 3.5 - 4' - Brown to black coarse to fine grained sand, dry. SW - 4' - 5' - Brown, coarse to fine grained sand and gravel, wet. SW - 5' - 8' - Brown to gray, coarse to fine grained sand and trace gravel, wet.

Boring Log

Boring Location: GSB-7

Date: 8/8/05

Total Depth: 8 feet

Diameter: 2 inches

Sample Interval Length: 4 feet

Drilling Method: Direct-push Technology

Drilling Company: Land Air Water Environmental Services, Inc.

Reported By: T. Wall

Notes:

Depth (in feet below grade)	PID Readings (ppm)	Graphics	Soil Characteristics
0			SW - 0' - 1' - Brown, coarse to fine grained sand, trace asphalt fill and gravel, dry.
2			
4			
6			SW - 1' - 4' - Brown to tan, medium to fine grained sand and trace gravel, dry.
8			SW - 4' - 8' - Brown to tan, medium to fine grained sand and trace gravel, wet.

Boring Log

Boring Location: GSB-8

Date: 8/8/05

Total Depth: 8 feet

Diameter: 2 inches

Sample Interval Length: 4 feet

Drilling Method: Direct-push Technology

Drilling Company: Land Air Water Environmental Services, Inc.

Reported By: T. Wall

Notes:

Depth (in feet below grade)	PID Readings (ppm)	Graphics	Soil Characteristics
0		Fill	0' - 1' - Asphalt Fill.
2			
4			SW - 1' - 3.5' - Brown to tan, coarse to medium grained sand and trace gravel, moist.
6			SW - 3.5 - 4' - Dark brown, fine sand, moist.
8			SW - 4' - 5' - Brown, coarse to medium grained sand and trace gravel, wet.
			SW - 5' - 7' - Black fine grained sand, wet.
			SW - 7' - 8' - Brown, coarse to medium grained sand and trace gravel.

Boring Log

Boring Location: GSB-9

Date: 8/8/05

Total Depth: 8 feet

Diameter: 2 inches

Sample Interval Length: 4 feet

Drilling Method: Direct-push Technology

Drilling Company: Land Air Water Environmental Services, Inc.

Reported By: T. Wall

Notes:

Depth (in feet below grade)	PID Readings (ppm)	Graphics	Soil Characteristics
0			SP - 0' - 4' - Tan, medium grained sand, dry.
2			
4			
6			SW - 4' - 6' - Tan, medium to fine grained sand and trace gravel, moist.
8			SW - 6' - 8' - Tan, medium to fine grained sand and trace gravel, wet.

Monitoring Well Installation Log

Well No.: WC-1

Date: 8/8/05

Total Depth: 55 feet

Auger Length: 5 feet




Drilling Method: Hollow stem auger

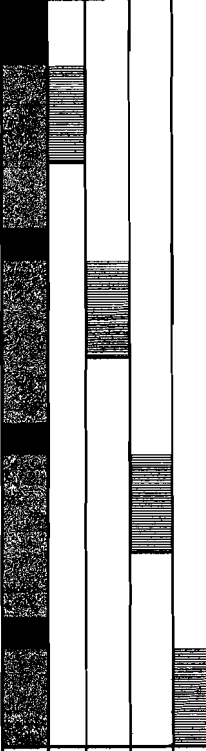
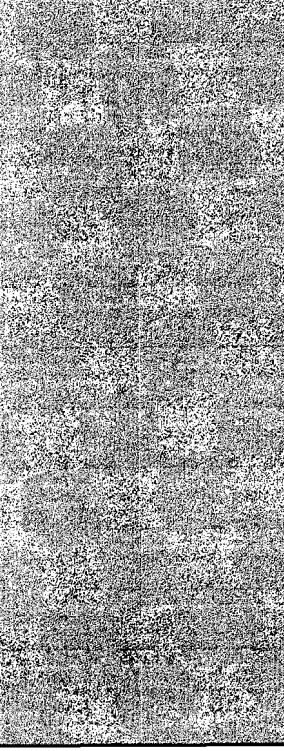
Drilling Company: Land Air Water Environmental Services, Inc.

Reported By: T. Wall

Diameter: 4.25 inches

Notes:

-  - Bentonite Seal
-  - Morie Sand #1
-  - Screened Interval

Depth (in feet below grade)	Well Construction	Graphics	Soil Characteristics
0			SW - 0' - 5' - Tan, medium to fine grained sand and gravel, dry. No odors or staining noted.
5			
10			SW - 5' - 10' - Brown, medium to fine grained sand, wet. Petroleum odors and a sheen were noted. No staining was noted.
15			
20			
25			SW - 10' - 40' - Brown, medium to fine grained sand and trace gravel, wet. Petroleum odors and a sheen were noted. No staining was noted.
30			
35			
40			SW - 40' - 50' - Brown, medium to fine grained sand and gravel, wet. Petroleum odors and a sheen were noted. No staining was noted.
45			
50			
55			SW - 50' - 55' - Brown, medium to fine grained sand and trace gravel, wet. Petroleum odors and a sheen were noted. No staining was noted.

Appendix B

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for

Dermody & Menegio Consulting, Inc.
32 Chichester Ave., 2nd Floor
Center Moriches, NY 11934
Attention: Mr. Peter Dermody

Report Date: 8/17/2005
Re: Client Project ID: 41 Saxon Avenue
York Project No.: 05080340

CT License No. PH-0723

New York License No. 10854



Report Date: 8/17/2005
Client Project ID: 41 Saxon Avenue
York Project No.: 05080340

Dermody & Menegio Consulting, Inc.
32 Chichester Ave., 2nd Floor
Center Moriches, NY 11934
Attention: Mr. Peter Dermody

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 08/10/05. The project was identified as your project "41 Saxon Avenue".

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			GP-16 (6-8')		GP-16 (21-23')	
York Sample ID			05080340-01		05080340-02	
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			Not detected	1	6	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
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	6	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

YORK

Client Sample ID			GP-16 (6-8')		GP-16 (21-23')	
York Sample ID			05080340-01		05080340-02	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
1,2-Dichloroethylene (Total)			Not detected	1	89 (cis-)	1
1,2-Dichloropropane			Not detected	1	Not detected	1
1,3,5-Trimethylbenzene			Not detected	1	1	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	5	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	19	1
Hexachlorobutadiene			Not detected	1	Not detected	1
Isopropylbenzene			Not detected	1	4	1
Methylene chloride			Not detected	1	Not detected	1
MTBE			Not detected	1	Not detected	1
Naphthalene			Not detected	1	17	1
n-Butylbenzene			Not detected	1	1	1
n-Propylbenzene			Not detected	1	6	1
o-Xylene			Not detected	1	4	1
p- & m-Xylenes			Not detected	1	25	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	5	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	22	1

YORK

Client Sample ID			GP-17 (7-9')		GP-17 (21-23')	
York Sample ID			05080340-03		05080340-04	
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			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	2	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	1	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
MTBE			Not detected	1	1	1
Naphthalene			Not detected	1	Not detected	1
n-Butylbenzene			Not detected	1	Not detected	1
n-Propylbenzene			Not detected	1	Not detected	1

YORK

Client Sample ID			GP-17 (7-9')		GP-17 (21-23')	
York Sample ID			05080340-03		05080340-04	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
o-Xylene			Not detected	1	Not detected	1
p- & m-Xylenes			Not detected	1	2	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	2	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

Client Sample ID			GP-18 (7-9')		GP-18 (22-24')	
York Sample ID			05080340-05		05080340-06	
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	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	1	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

YORK

Client Sample ID			GP-18 (7-9')		GP-18 (22-24')	
York Sample ID			05080340-05		05080340-06	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
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
MTBE			Not detected	1	2	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

Client Sample ID			GP-19 (9-11')		GP-19 (22-24')	
York Sample ID			05080340-07		05080340-08	
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	6	1
1,2-Dibromo-3-chloropropane			Not detected	1	Not detected	1

YORK

Client Sample ID			GP-19 (9-11')		GP-19 (22-24')	
York Sample ID			05080340-07		05080340-08	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
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	6	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	4	1
Hexachlorobutadiene			Not detected	1	Not detected	1
Isopropylbenzene			Not detected	1	3	1
Methylene chloride			Not detected	1	Not detected	1
MTBE			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	7	1
o-Xylene			Not detected	1	Not detected	1
p- & m-Xylenes			Not detected	1	3	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	2	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

Units Key:

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

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

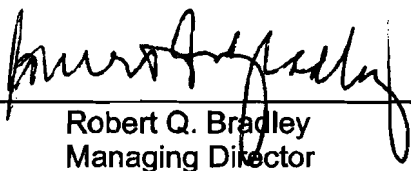
YORK

Report Date: 8/17/2005
Client Project ID: 41 Saxon Avenue
York Project No.: 05080340

Notes for York Project No. 05080340

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: 8/17/2005

YORK

YORK

ANALYTICAL LABORATORIES, INC.

120 RESEARCH DRIVE STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record

Page 1 of 1

Company Name Dermody Menegio	Report To: Peter Dermody	Invoice To: Same	Project ID/No. 41 Saxon Avenue	Samples Collected By (Signature) <i>Tracy Wall</i> Name (Printed) Tracy Wall
------------------------------------	-----------------------------	---------------------	-----------------------------------	---

Sample No.	Location/ID	Date Sampled	Sample Matrix				ANALYSES REQUESTED	Container Description(s)
			Water	Soil	Air	OTHER		
1	GP-16(6'-8')	8/8/05	X				VOCs 8260	2-40mL/HCL
2	GP-16(21'-23')							
3	GP-17(7'-9')							
4	GP-17(21'-23')							
5	GP-18(7'-9')							
6	GP-18(22'-24')							
7	GP-19(9'-11')							
8	GP-19(22'-24')							

Chain-of-Custody Record

Bottles Relinquished from Lab by <i>Tracy Wall</i>	Date/Time 8/8/05 0700	Sample Relinquished by <i>Justin Sub</i>	Date/Time 9-10-06	Sample Received by <i>8/10 12-00</i>	Date/Time 8/10 12-00
Bottles Received in Field by	Date/Time	Sample Relinquished by	Date/Time	Sample Received in LAB by	Date/Time

Comments/Special Instructions

Turn-Around Time

X Standard RUSH(define)

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for

Dermody & Meneglo Consulting, Inc.
32 Chichester Ave., 2nd Floor
Center Moriches, NY 11934
Attention: Mr. Peter Dermody

Report Date: 8/25/2005
Re: Client Project ID: 41 Saxon Avenue
York Project No.: 05080545

CT License No. PH-0723

New York License No. 10854



120 RESEARCH DRIVE

STRATFORD, CT 06615

(203) 325-1371

FAX (203) 357-0166

Report Date: 8/25/2005
Client Project ID: 41 Saxon Avenue
York Project No.: 05080545

Dermody & Menegio Consulting, Inc.
32 Chichester Ave., 2nd Floor
Center Moriches, NY 11934
Attention: Mr. Peter Dermody

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 08/17/05. The project was identified as your project "41 Saxon Avenue".

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			Trip Blank		MW-8D	
York Sample ID			05080545-01		05080545-02	
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			Not detected	1	2	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

YORK

Client Sample ID			Trip Blank		MW-8D	
York Sample ID			05080545-01		05080545-02	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
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			3 B	1	3 B	1
MTBE			Not detected	1	1	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	6	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
VOA Tentatively ID Compounds	SW846-8260	ug/L	---	---	---	---
Hexane			32 JB		30 JB	

YORK

Client Sample ID			MW-12		MW-10D	
York Sample ID			05080545-03		05080545-04	
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			25	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			22	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)			14(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			2	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			3 B	1	3 B	1
MTBE			Not detected	1	1	1
Naphthalene			Not detected	1	Not detected	1
n-Butylbenzene			Not detected	1	Not detected	1

YORK

Client Sample ID			MW-12		MW-10D	
York Sample ID			05080545-03		05080545-04	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
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			61	1	Not detected	1
Toluene			Not detected	1	Not detected	1
trans-1,3-Dichloropropylene			Not detected	1	Not detected	1
Trichloroethylene			11	1	Not detected	1
Trichlorofluoromethane			Not detected	1	Not detected	1
Vinyl chloride			8	1	Not detected	1
VOA Tentatively ID Compounds	SW846-8260	ug/L	---	---	---	---
Carbon Disulfide					2 J	
Hexane			31 JB		32 JB	
Unknown possible ethanol			10		5 J	

Client Sample ID			MW-4		MW-9	
York Sample ID			05080545-05		05080545-06	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles-8260 list	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	10	Not detected	50
1,1,1-Trichloroethane			13	10	300	50
1,1,2,2-Tetrachloroethane			Not detected	10	Not detected	50
1,1,2-Trichloroethane			Not detected	10	Not detected	50
1,1-Dichloroethane			Not detected	10	120	50
1,1-Dichloroethylene			Not detected	10	Not detected	50
1,1-Dichloropropylene			Not detected	10	Not detected	50
1,2,3-Trichlorobenzene			Not detected	10	Not detected	50
1,2,3-Trichloropropane			Not detected	10	Not detected	50
1,2,3-Trimethylbenzene			Not detected	10	Not detected	50
1,2,4-Trichlorobenzene			Not detected	10	Not detected	50
1,2,4-Trimethylbenzene			Not detected	10	Not detected	50
1,2-Dibromo-3-chloropropane			Not detected	10	Not detected	50
1,2-Dibromoethane			Not detected	10	Not detected	50
1,2-Dichlorobenzene			Not detected	10	Not detected	50
1,2-Dichloroethane			Not detected	10	Not detected	50
1,2-Dichloroethylene (Total)			580(cis-)	10	2800(cis-)	50
1,2-Dichloropropane			Not detected	10	Not detected	50
1,3,5-Trimethylbenzene			Not detected	10	Not detected	50
1,3-Dichlorobenzene			Not detected	10	Not detected	50
1,3-Dichloropropane			Not detected	10	Not detected	50
1,4-Dichlorobenzene			Not detected	10	Not detected	50
1-Chlorohexane			Not detected	10	Not detected	50
2,2-Dichloropropane			Not detected	10	Not detected	50
2-Chlorotoluene			Not detected	10	Not detected	50
4-Chlorotoluene			Not detected	10	Not detected	50

YORK

Client Sample ID			MW-4		MW-9	
York Sample ID			05080545-05		05080545-06	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Benzene			Not detected	10	Not detected	50
Bromobenzene			Not detected	10	Not detected	50
Bromochloromethane			Not detected	10	Not detected	50
Bromodichloromethane			Not detected	10	Not detected	50
Bromoform			Not detected	10	Not detected	50
Bromomethane			Not detected	10	Not detected	50
Carbon tetrachloride			Not detected	10	Not detected	50
Chlorobenzene			Not detected	10	Not detected	50
Chloroethane			Not detected	10	Not detected	50
Chloroform			Not detected	10	Not detected	50
Chloromethane			Not detected	10	Not detected	50
cis-1,3-Dichloropropylene			Not detected	10	Not detected	50
Dibromochloromethane			Not detected	10	Not detected	50
Dibromomethane			Not detected	10	Not detected	50
Dichlorodifluoromethane			Not detected	10	Not detected	50
Ethylbenzene			Not detected	10	Not detected	50
Hexachlorobutadiene			Not detected	10	Not detected	50
Isopropylbenzene			Not detected	10	Not detected	50
Methylene chloride			40 B	10	220 B	50
MTBE			Not detected	10	Not detected	50
Naphthalene			Not detected	10	Not detected	50
n-Butylbenzene			Not detected	10	Not detected	50
n-Propylbenzene			Not detected	10	Not detected	50
o-Xylene			Not detected	10	Not detected	50
p- & m-Xylenes			Not detected	10	Not detected	50
p-Isopropyltoluene			Not detected	10	Not detected	50
sec-Butylbenzene			Not detected	10	Not detected	50
Styrene			Not detected	10	Not detected	50
tert-Butylbenzene			Not detected	10	Not detected	50
Tetrachloroethylene			48	10	2600	50
Toluene			Not detected	10	Not detected	50
trans-1,3-Dichloropropylene			Not detected	10	Not detected	50
Trichloroethylene			260	10	1600	50
Trichlorofluoromethane			Not detected	10	Not detected	50
Vinyl chloride			30	10	98	50
VOA Tentatively ID Compounds	SW846-8260	ug/L	---	---	---	---
Hexane			152 JB		1000 JB	

Client Sample ID			MW-11		MW-3	
York Sample ID			05080545-07		05080545-08	
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

YORK

Client Sample ID			MW-11		MW-3	
York Sample ID			05080545-07		05080545-08	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
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)			1(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
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			4 B	1	3 B	1
MTBE			1	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

YORK

Client Sample ID			MW-11		MW-3	
York Sample ID			05080545-07		05080545-08	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Styrene			Not detected	1	Not detected	1
tert-Butylbenzene			Not detected	1	Not detected	1
Tetrachloroethylene			Not detected	1	2	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			6	1	Not detected	1
VOA Tentatively ID Compounds	SW846-8260	ug/L	---	---	---	---
Hexane			17 JB		17 JB	
Unknown possible ethanol			9 J			
Unknown possible Ethanol					8 J	

Client Sample ID			WC-1 (5-10')		WC-1 (20-25')	
York Sample ID			05080545-09		05080545-10	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles-8260 list	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	25	Not detected	1
1,1,1-Trichloroethane			110	25	Not detected	1
1,1,2,2-Tetrachloroethane			Not detected	25	Not detected	1
1,1,2-Trichloroethane			Not detected	25	Not detected	1
1,1-Dichloroethane			Not detected	25	Not detected	1
1,1-Dichloroethylene			Not detected	25	Not detected	1
1,1-Dichloropropylene			Not detected	25	Not detected	1
1,2,3-Trichlorobenzene			Not detected	25	Not detected	1
1,2,3-Trichloropropane			Not detected	25	Not detected	1
1,2,3-Trimethylbenzene			Not detected	25	Not detected	1
1,2,4-Trichlorobenzene			Not detected	25	Not detected	1
1,2,4-Trimethylbenzene			Not detected	25	Not detected	1
1,2-Dibromo-3-chloropropane			Not detected	25	Not detected	1
1,2-Dibromoethane			Not detected	25	Not detected	1
1,2-Dichlorobenzene			Not detected	25	Not detected	1
1,2-Dichloroethane			Not detected	25	Not detected	1
1,2-Dichloroethylene (Total)			53(cis-)	25	Not detected	1
1,2-Dichloropropane			Not detected	25	Not detected	1
1,3,5-Trimethylbenzene			Not detected	25	Not detected	1
1,3-Dichlorobenzene			Not detected	25	Not detected	1
1,3-Dichloropropane			Not detected	25	Not detected	1
1,4-Dichlorobenzene			Not detected	25	Not detected	1
1-Chlorohexane			Not detected	25	Not detected	1
2,2-Dichloropropane			Not detected	25	Not detected	1
2-Chlorotoluene			Not detected	25	Not detected	1
4-Chlorotoluene			Not detected	25	Not detected	1
Benzene			Not detected	25	Not detected	1
Bromobenzene			Not detected	25	Not detected	1
Bromochloromethane			Not detected	25	Not detected	1
Bromodichloromethane			Not detected	25	Not detected	1
Bromoform			Not detected	25	Not detected	1

YORK

Client Sample ID			WC-1 (5-10')		WC-1 (20-25')	
York Sample ID			05080545-09		05080545-10	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Bromomethane			Not detected	25	Not detected	1
Carbon tetrachloride			Not detected	25	Not detected	1
Chlorobenzene			Not detected	25	1	1
Chloroethane			Not detected	25	Not detected	1
Chloroform			Not detected	25	Not detected	1
Chloromethane			Not detected	25	Not detected	1
cis-1,3-Dichloropropylene			Not detected	25	Not detected	1
Dibromochloromethane			Not detected	25	Not detected	1
Dibromomethane			Not detected	25	Not detected	1
Dichlorodifluoromethane			Not detected	25	Not detected	1
Ethylbenzene			Not detected	25	Not detected	1
Hexachlorobutadiene			Not detected	25	Not detected	1
Isopropylbenzene			Not detected	25	Not detected	1
Methylene chloride			120 B	25	4 B	1
MTBE			Not detected	25	Not detected	1
Naphthalene			Not detected	25	Not detected	1
n-Butylbenzene			Not detected	25	Not detected	1
n-Propylbenzene			Not detected	25	Not detected	1
o-Xylene			Not detected	25	Not detected	1
p- & m-Xylenes			Not detected	25	Not detected	1
p-Isopropyltoluene			Not detected	25	Not detected	1
sec-Butylbenzene			Not detected	25	Not detected	1
Styrene			Not detected	25	Not detected	1
tert-Butylbenzene			Not detected	25	Not detected	1
Tetrachloroethylene			870	25	8	1
Toluene			Not detected	25	Not detected	1
trans-1,3-Dichloropropylene			Not detected	25	Not detected	1
Trichloroethylene			Not detected	25	Not detected	1
Trichlorofluoromethane			Not detected	25	Not detected	1
Vinyl chloride			Not detected	25	Not detected	1
Base/Neutral Extractables 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-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-Methylnaphthalene			Not detected	10	Not detected	10
2-Nitroaniline			Not detected	10	Not detected	10
3,3'-Dichlorobenzidine			Not detected	10	Not detected	10
3-Nitroaniline			Not detected	10	Not detected	10
4-Bromophenyl phenyl ether			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-Nitroaniline			Not detected	10	Not detected	10
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

YORK

Client Sample ID			WC-1 (5-10')		WC-1 (20-25')	
York Sample ID			05080545-09		05080545-10	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
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
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
Carbazole			Not detected	10	Not detected	10
Chrysene			Not detected	10	Not detected	10
Dibenzo(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
Phenanthrene			Not detected	10	Not detected	10
Pyrene			Not detected	10	Not detected	10
BN Tentatively ID Compounds	SW846-8270	ug/L	Not detected		Not detected	---
VOA Tentatively ID Compounds	SW846-8260	ug/L	---	---	---	---
Hexane			550 JB		19 JB	

Client Sample ID			WC-1 (35-40')		WC-1 (50-55')	
York Sample ID			05080545-11		05080545-12	
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	10
1,1,1-Trichloroethane			5	1	51	10
1,1,2,2-Tetrachloroethane			Not detected	1	Not detected	10
1,1,2-Trichloroethane			Not detected	1	Not detected	10
1,1-Dichloroethane			Not detected	1	Not detected	10
1,1-Dichloroethylene			Not detected	1	Not detected	10
1,1-Dichloropropylene			Not detected	1	Not detected	10
1,2,3-Trichlorobenzene			Not detected	1	Not detected	10
1,2,3-Trichloropropane			Not detected	1	Not detected	10
1,2,3-Trimethylbenzene			Not detected	1	Not detected	10

YORK

Client Sample ID			WC-1 (35-40')		WC-1 (50-55')	
York Sample ID			05080545-11		05080545-12	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
1,2,4-Trichlorobenzene			Not detected	1	Not detected	10
1,2,4-Trimethylbenzene			Not detected	1	Not detected	10
1,2-Dibromo-3-chloropropane			Not detected	1	Not detected	10
1,2-Dibromoethane			Not detected	1	Not detected	10
1,2-Dichlorobenzene			Not detected	1	Not detected	10
1,2-Dichloroethane			Not detected	1	Not detected	10
1,2-Dichloroethylene (Total)			4(cis-)	1	32(cis-)	10
1,2-Dichloropropane			Not detected	1	Not detected	10
1,3,5-Trimethylbenzene			Not detected	1	Not detected	10
1,3-Dichlorobenzene			Not detected	1	Not detected	10
1,3-Dichloropropane			Not detected	1	Not detected	10
1,4-Dichlorobenzene			Not detected	1	Not detected	10
1-Chlorohexane			Not detected	1	Not detected	10
2,2-Dichloropropane			Not detected	1	Not detected	10
2-Chlorotoluene			Not detected	1	Not detected	10
4-Chlorotoluene			Not detected	1	Not detected	10
Benzene			Not detected	1	Not detected	10
Bromobenzene			Not detected	1	Not detected	10
Bromochloromethane			Not detected	1	Not detected	10
Bromodichloromethane			Not detected	1	Not detected	10
Bromoform			Not detected	1	Not detected	10
Bromomethane			Not detected	1	Not detected	10
Carbon tetrachloride			Not detected	1	Not detected	10
Chlorobenzene			8	1	Not detected	10
Chloroethane			Not detected	1	Not detected	10
Chloroform			Not detected	1	Not detected	10
Chloromethane			Not detected	1	Not detected	10
cis-1,3-Dichloropropylene			Not detected	1	Not detected	10
Dibromochloromethane			Not detected	1	Not detected	10
Dibromomethane			Not detected	1	Not detected	10
Dichlorodifluoromethane			Not detected	1	Not detected	10
Ethylbenzene			Not detected	1	Not detected	10
Hexachlorobutadiene			Not detected	1	Not detected	10
Isopropylbenzene			Not detected	1	Not detected	10
Methylene chloride			4 B	1	44 B	10
MTBE			Not detected	1	Not detected	10
Naphthalene			Not detected	1	Not detected	10
n-Butylbenzene			Not detected	1	Not detected	10
n-Propylbenzene			Not detected	1	Not detected	10
o-Xylene			Not detected	1	Not detected	10
p- & m-Xylenes			Not detected	1	Not detected	10
p-Isopropyltoluene			Not detected	1	Not detected	10
sec-Butylbenzene			Not detected	1	Not detected	10
Styrene			Not detected	1	Not detected	10
tert-Butylbenzene			Not detected	1	Not detected	10
Tetrachloroethylene			23	1	740	10
Toluene			Not detected	1	Not detected	10
trans-1,3-Dichloropropylene			Not detected	1	Not detected	10
Trichloroethylene			Not detected	1	Not detected	10
Trichlorofluoromethane			Not detected	1	Not detected	10
Vinyl chloride			Not detected	1	Not detected	10

YORK

Client Sample ID			WC-1 (35-40')		WC-1 (50-55')	
York Sample ID			05080545-11		05080545-12	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Base/Neutral Extractables 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-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-Methylnaphthalene			Not detected	10	Not detected	10
2-Nitroaniline			Not detected	10	Not detected	10
3,3'-Dichlorobenzidine			Not detected	10	Not detected	10
3-Nitroaniline			Not detected	10	Not detected	10
4-Bromophenyl phenyl ether			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-Nitroaniline			Not detected	10	Not detected	10
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
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
Carbazole			Not detected	10	Not detected	10
Chrysene			Not detected	10	Not detected	10
Dibenzo(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

YORK

Client Sample ID			WC-1 (35-40')		WC-1 (50-55')	
York Sample ID			05080545-11		05080545-12	
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
Phenanthrene			Not detected	10	Not detected	10
Pyrene			Not detected	10	Not detected	10
BN Tentatively ID Compounds	SW846-8270	ug/L	Not detected		Not detected	---
VOA Tentatively ID Compounds	SW846-8260	ug/L	---	---	---	---
Hexane			17 JB		210 JB	

Client Sample ID			MW-2		MW-5	
York Sample ID			05080545-13		05080545-14	
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

YORK

Client Sample ID			MW-2		MW-5	
York Sample ID			05080545-13		05080545-14	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
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			3 B	1	3 B	1
MTBE			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			4	1	7	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
VOA Tentatively ID Compounds	SW846-8260	ug/L	---	---	---	---
Hexane			25 JB		25 JB	
Unknown possible ethanol					7 J	

Client Sample ID			Blind Duplicate		Equipment Blank	
York Sample ID			05080545-15		05080545-16	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles-8260 list	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	10	Not detected	1
1,1,1-Trichloroethane			48	10	Not detected	1
1,1,2,2-Tetrachloroethane			Not detected	10	Not detected	1
1,1,2-Trichloroethane			Not detected	10	Not detected	1
1,1-Dichloroethane			Not detected	10	Not detected	1
1,1-Dichloroethylene			Not detected	10	Not detected	1
1,1-Dichloropropylene			Not detected	10	Not detected	1
1,2,3-Trichlorobenzene			Not detected	10	Not detected	1
1,2,3-Trichloropropane			Not detected	10	Not detected	1
1,2,3-Trimethylbenzene			Not detected	10	Not detected	1
1,2,4-Trichlorobenzene			Not detected	10	Not detected	1
1,2,4-Trimethylbenzene			Not detected	10	Not detected	1
1,2-Dibromo-3-chloropropane			Not detected	10	Not detected	1
1,2-Dibromoethane			Not detected	10	Not detected	1

YORK

Client Sample ID			Blind Duplicate		Equipment Blank	
York Sample ID			05080545-15		05080545-16	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
1,2-Dichlorobenzene			Not detected	10	Not detected	1
1,2-Dichloroethane			Not detected	10	Not detected	1
1,2-Dichloroethylene (Total)			32(cis-)	10	Not detected	1
1,2-Dichloropropane			Not detected	10	Not detected	1
1,3,5-Trimethylbenzene			Not detected	10	Not detected	1
1,3-Dichlorobenzene			Not detected	10	Not detected	1
1,3-Dichloropropane			Not detected	10	Not detected	1
1,4-Dichlorobenzene			Not detected	10	Not detected	1
1-Chlorohexane			Not detected	10	Not detected	1
2,2-Dichloropropane			Not detected	10	Not detected	1
2-Chlorotoluene			Not detected	10	Not detected	1
4-Chlorotoluene			Not detected	10	Not detected	1
Benzene			Not detected	10	Not detected	1
Bromobenzene			Not detected	10	Not detected	1
Bromochloromethane			Not detected	10	Not detected	1
Bromodichloromethane			Not detected	10	Not detected	1
Bromoform			Not detected	10	Not detected	1
Bromomethane			Not detected	10	Not detected	1
Carbon tetrachloride			Not detected	10	Not detected	1
Chlorobenzene			Not detected	10	Not detected	1
Chloroethane			Not detected	10	Not detected	1
Chloroform			Not detected	10	Not detected	1
Chloromethane			Not detected	10	Not detected	1
cis-1,3-Dichloropropylene			Not detected	10	Not detected	1
Dibromochloromethane			Not detected	10	Not detected	1
Dibromomethane			Not detected	10	Not detected	1
Dichlorodifluoromethane			Not detected	10	Not detected	1
Ethylbenzene			Not detected	10	Not detected	1
Hexachlorobutadiene			Not detected	10	Not detected	1
Isopropylbenzene			Not detected	10	Not detected	1
Methylene chloride			32 B	10	3 B	1
MTBE			Not detected	10	Not detected	1
Naphthalene			Not detected	10	Not detected	1
n-Butylbenzene			Not detected	10	Not detected	1
n-Propylbenzene			Not detected	10	Not detected	1
o-Xylene			Not detected	10	Not detected	1
p- & m-Xylenes			Not detected	10	Not detected	1
p-Isopropyltoluene			Not detected	10	Not detected	1
sec-Butylbenzene			Not detected	10	Not detected	1
Styrene			Not detected	10	Not detected	1
tert-Butylbenzene			Not detected	10	Not detected	1
Tetrachloroethylene			700	10	Not detected	1
Toluene			Not detected	10	Not detected	1
trans-1,3-Dichloropropylene			Not detected	10	Not detected	1
Trichloroethylene			17	10	Not detected	1
Trichlorofluoromethane			Not detected	10	Not detected	1
Vinyl chloride			Not detected	10	Not detected	1
Base/Neutral Extractables 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

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Client Sample ID			Blind Duplicate		Equipment Blank	
York Sample ID			05080545-15		05080545-16	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
1,4-Dichlorobenzene			Not detected	10	Not detected	10
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-Methylnaphthalene			Not detected	10	Not detected	10
2-Nitroaniline			Not detected	10	Not detected	10
3,3'-Dichlorobenzidine			Not detected	10	Not detected	10
3-Nitroaniline			Not detected	10	Not detected	10
4-Bromophenyl phenyl ether			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-Nitroaniline			Not detected	10	Not detected	10
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
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
Carbazole			Not detected	10	Not detected	10
Chrysene			Not detected	10	Not detected	10
Dibenzo(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
Phenanthrene			Not detected	10	Not detected	10
Pyrene			Not detected	10	Not detected	10
BN Tentatively ID Compounds	SW846-8270	ug/L	Not detected		Not detected	---
VOA Tentatively ID Compounds	SW846-8260	ug/L	---	---	---	---
Hexane			120 JB		23 JB	

Units Key:

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

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

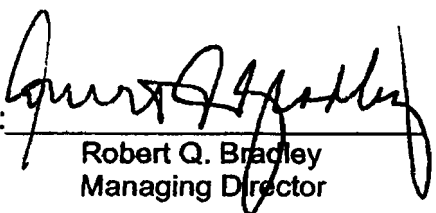
YORK

Report Date: 8/25/2005
Client Project ID: 41 Saxon Avenue
York Project No.: 05080545

Notes for York Project No. 05080545

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: 8/25/2005

YORK

YORK

ANALYTICAL LABORATORIES, INC.

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Definitions for FLAGS used as a Results Suffix

Flags are sometimes used on results to indicate certain occurrences during the analysis process. The most common flags used by York are defined below.

FLAG

DEFINITION

- | | |
|----------|---|
| J | J indicates an estimated value. This flag applies to Tentatively Identified Compounds or, when requested, for a target compound whose result is less than the reporting limit but whose mass spectral data meet identification criteria. For example if the reporting limit is listed as 10 ppb and the analysis shows 3 ppb, the result can be reported as 3 J. The client must request the use of J flags for the laboratory to report such flags. |
| B | B indicates that the analyte was also found in the associated batch method blank. This flag indicates possible/probable blank contamination and warns the data user to be aware. This mostly applies to the volatiles acetone and methylene chloride and the semi-volatiles bis-(2-ethylhexyl) phthalate and other phthalates. |
| E | This flag is used to indicate that the reported concentration of an analyte exceeded the calibration range of the analytical system. In this case the result reported is treated as a minimum value. This often applies where clients request an additional analyte after sample analysis, such as acetone, where the initial analysis did not require dilution since acetone was not a target compound. This flag will also apply if after numerous dilutions a specific target compound would significantly dilute out all other targets. |
| A | This flag indicates that the compound is a known artifact present in the sample. This flag typically refers to compounds detected in AIR samples taken into Tedlar bags. These compounds are either from the manufacturing process or, since Tedlar bags are somewhat permeable, they are subject to intrusion of common laboratory solvents such as acetone, methylene chloride, hexane and Freon-113. |

08080345

YORK
ANALYTICAL LABORATORIES, INC.
1700 PENNSYLVANIA DRIVE
BETHLEHEM, CT 06605
(800) 859-1271 FAX (800) 859-0148

Field Chain-of-Custody Record

Page 2 of 2

Company Name		Report To:	Invoice To:	Project ID/No.		Signature Collected By (Signature)	
Dermody & Menegio		Peter Dermody	Same	41 Saxton Avenue		Troy L. Bell	
Sample No.	Location/ID	Date Sampled	Sample Matrix			ANALYSES REQUESTED	Container Description(s)
			Water	Soil	Air		
1	Tap Blank	8/15/05	X			VOCs + TICs 8260	2-40mL HCL
2	MW-8D						↓
3	MW-12/MS/MSD						6-40mL HCL
4	MW-10D						2-40mL HCL
5	MW-4						
6	MW-9						
7	MW-11						
8	MW-3						
9	WC-1(5'-10')					VOCs FTICs 8260 + TICs 8270	2-40mL HCL 2-1L Amber/100mL
10	WC-1(20'-25')		↓				↓

Chain-of-Custody Record

Bottles Relinquished from Lab by	Date/Time	Sample Relinquished by	Date/Time
Troy Bell	8/15/05 08:00		
Bottles received in Field by	Date/Time	Sample Relinquished by	Date/Time

Comments/Special Instructions
* Base Neutral Only for VOCs *

Turn-Around Time
X Standard RUSH (define)

Signature: 8/17/05
Date/Time: 8/18/05
Signature: [Signature]
Date/Time: [Date/Time]

YORK

ANALYTICAL LABORATORIES, INC.

120 RESEARCH DRIVE STRATFORD, CT 06418
1203 225-1371 FAX 1203 225-0166

Field Chain-of-Custody Record

Page 2 of 2

08/17/2005 15:03

6318783568

DERMODY AND MENEGIO

PAGE 05

Company Name Dermody & Menegio		Report To: Peter Dermody	Invoice To: Same	Project ID/No. 41 Saxon Avenue	Tracy Wall Sample Collected By (Signature) Tracy Wall Name (Printed)			
Sample No.	Location/ID	Date Sampled	Sample Matrix				ANALYSES REQUESTED	Container Description(s)
			Water	Soil	Air	OTHER		
11	WC-1 (35'-40')	8/15/05	X				VOCs + TICs 8260 * Bk only 2-40 mL/HCL	
12	WC-1 (50'-55')						↓	
13	MW-2						VOCs + TICs 8260 2-40 mL/HCL	
14	MW-5							
15	Blind Duplicate						VOCs + TICs 8260 * Bk only 2-40 mL/HCL	
16	Equipment Blank						↓	
Chain-of-Custody Record								
Bottles Relinquished from Lab by Tracy Wall		Date/Time 8/15/05 08:30	Sample Relinquished by		Date/Time		Sample Received by Wagner	
Bottles Received in Field by		Date/Time	Sample Relinquished by		Date/Time		Sample Received in LAB by Reid	
Comments/Special Instructions * Base Neutrals only for SVOCs ANS Columbia R Delivery							Turn-Around Time X Standard RUSH (define)	

Appendix C



York Analytical Laboratories, Inc.

Final Technical Report

prepared for

Dermody & Menegio Consulting, Inc.

Re: 41 Saxon Avenue

York Project No. 05080545

10/04/05

Volume 1 of 1

000001

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York Project/SDG No. 05080545

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YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for

Dermody & Menegio Consulting, Inc.
32 Chichester Ave., 2nd Floor
Center Moriches, NY 11934
Attention: Mr. Peter Dermody

Report Date: 8/25/2005
Re: Client Project ID: 41 Saxon Avenue
York Project No.: 05080545

CT License No. PH-0723

New York License No. 10854



Report Date: 8/25/2005
 Client Project ID: 41 Saxon Avenue
 York Project No.: 05080545

Dermody & Menegio Consulting, Inc.
 32 Chichester Ave., 2nd Floor
 Center Moriches, NY 11934
 Attention: Mr. Peter Dermody

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 08/17/05. The project was identified as your project "41 Saxon Avenue".

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			Trip Blank		MW-8D	
York Sample ID			05080545-01		05080545-02	
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			Not detected	1	2	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

000004

YORK

Client Sample ID			Trip Blank		MW-8D	
York Sample ID			05080545-01		05080545-02	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
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			3 B	1	3 B	1
MTBE			Not detected	1	1	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	6	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
VOA Tentatively ID Compounds	SW846-8260	ug/L	---	---	---	---
Hexane			32 JB		30 JB	

Client Sample ID			MW-12		MW-10D	
York Sample ID			05080545-03		05080545-04	
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			25	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			22	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)			14(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			2	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			3 B	1	3 B	1
MTBE			Not detected	1	1	1
Naphthalene			Not detected	1	Not detected	1
n-Butylbenzene			Not detected	1	Not detected	1

Client Sample ID			MW-12		MW-10D	
York Sample ID			05080545-03		05080545-04	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
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			61	1	Not detected	1
Toluene			Not detected	1	Not detected	1
trans-1,3-Dichloropropylene			Not detected	1	Not detected	1
Trichloroethylene			11	1	Not detected	1
Trichlorofluoromethane			Not detected	1	Not detected	1
Vinyl chloride			8	1	Not detected	1
VOA Tentatively ID Compounds	SW846-8260	ug/L	---	---	---	---
Carbon Disulfide					2 J	
Hexane			31 JB		32 JB	
Unknown possible ethanol			10		5 J	

Client Sample ID			MW-4		MW-9	
York Sample ID			05080545-05		05080545-06	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles-8260 list	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	10	Not detected	50
1,1,1-Trichloroethane			13	10	300	50
1,1,2,2-Tetrachloroethane			Not detected	10	Not detected	50
1,1,2-Trichloroethane			Not detected	10	Not detected	50
1,1-Dichloroethane			Not detected	10	120	50
1,1-Dichloroethylene			Not detected	10	Not detected	50
1,1-Dichloropropylene			Not detected	10	Not detected	50
1,2,3-Trichlorobenzene			Not detected	10	Not detected	50
1,2,3-Trichloropropane			Not detected	10	Not detected	50
1,2,3-Trimethylbenzene			Not detected	10	Not detected	50
1,2,4-Trichlorobenzene			Not detected	10	Not detected	50
1,2,4-Trimethylbenzene			Not detected	10	Not detected	50
1,2-Dibromo-3-chloropropane			Not detected	10	Not detected	50
1,2-Dibromoethane			Not detected	10	Not detected	50
1,2-Dichlorobenzene			Not detected	10	Not detected	50
1,2-Dichloroethane			Not detected	10	Not detected	50
1,2-Dichloroethylene (Total)			580(cis-)	10	2800(cis-)	50
1,2-Dichloropropane			Not detected	10	Not detected	50
1,3,5-Trimethylbenzene			Not detected	10	Not detected	50
1,3-Dichlorobenzene			Not detected	10	Not detected	50
1,3-Dichloropropane			Not detected	10	Not detected	50
1,4-Dichlorobenzene			Not detected	10	Not detected	50
1-Chlorohexane			Not detected	10	Not detected	50
2,2-Dichloropropane			Not detected	10	Not detected	50
2-Chlorotoluene			Not detected	10	Not detected	50
4-Chlorotoluene			Not detected	10	Not detected	50

Client Sample ID			MW-4		MW-9	
York Sample ID			05080545-05		05080545-06	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Benzene			Not detected	10	Not detected	50
Bromobenzene			Not detected	10	Not detected	50
Bromochloromethane			Not detected	10	Not detected	50
Bromodichloromethane			Not detected	10	Not detected	50
Bromoform			Not detected	10	Not detected	50
Bromomethane			Not detected	10	Not detected	50
Carbon tetrachloride			Not detected	10	Not detected	50
Chlorobenzene			Not detected	10	Not detected	50
Chloroethane			Not detected	10	Not detected	50
Chloroform			Not detected	10	Not detected	50
Chloromethane			Not detected	10	Not detected	50
cis-1,3-Dichloropropylene			Not detected	10	Not detected	50
Dibromochloromethane			Not detected	10	Not detected	50
Dibromomethane			Not detected	10	Not detected	50
Dichlorodifluoromethane			Not detected	10	Not detected	50
Ethylbenzene			Not detected	10	Not detected	50
Hexachlorobutadiene			Not detected	10	Not detected	50
Isopropylbenzene			Not detected	10	Not detected	50
Methylene chloride			40 B	10	220 B	50
MTBE			Not detected	10	Not detected	50
Naphthalene			Not detected	10	Not detected	50
n-Butylbenzene			Not detected	10	Not detected	50
n-Propylbenzene			Not detected	10	Not detected	50
o-Xylene			Not detected	10	Not detected	50
p- & m-Xylenes			Not detected	10	Not detected	50
p-Isopropyltoluene			Not detected	10	Not detected	50
sec-Butylbenzene			Not detected	10	Not detected	50
Styrene			Not detected	10	Not detected	50
tert-Butylbenzene			Not detected	10	Not detected	50
Tetrachloroethylene			48	10	2600	50
Toluene			Not detected	10	Not detected	50
trans-1,3-Dichloropropylene			Not detected	10	Not detected	50
Trichloroethylene			260	10	1600	50
Trichlorofluoromethane			Not detected	10	Not detected	50
Vinyl chloride			30	10	98	50
VOA Tentatively ID Compounds	SW846-8260	ug/L	---	---	---	---
Hexane			152 JB		1000 JB	

Client Sample ID			MW-11		MW-3	
York Sample ID			05080545-07		05080545-08	
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

Client Sample ID			MW-11		MW-3	
York Sample ID			05080545-07		05080545-08	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
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)			1(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
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			4 B	1	3 B	1
MTBE			1	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

Client Sample ID			MW-11		MW-3	
York Sample ID			05080545-07		05080545-08	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Styrene			Not detected	1	Not detected	1
tert-Butylbenzene			Not detected	1	Not detected	1
Tetrachloroethylene			Not detected	1	2	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			6	1	Not detected	1
VOA Tentatively ID Compounds	SW846-8260	ug/L	---	---	---	---
Hexane			17 JB		17 JB	
Unknown possible ethanol			9 J			
Unknown possible Ethanol					8 J	

Client Sample ID			WC-1 (5-10')		WC-1 (20-25')	
York Sample ID			05080545-09		05080545-10	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles-8260 list	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	25	Not detected	1
1,1,1-Trichloroethane			110	25	Not detected	1
1,1,2,2-Tetrachloroethane			Not detected	25	Not detected	1
1,1,2-Trichloroethane			Not detected	25	Not detected	1
1,1-Dichloroethane			Not detected	25	Not detected	1
1,1-Dichloroethylene			Not detected	25	Not detected	1
1,1-Dichloropropylene			Not detected	25	Not detected	1
1,2,3-Trichlorobenzene			Not detected	25	Not detected	1
1,2,3-Trichloropropane			Not detected	25	Not detected	1
1,2,3-Trimethylbenzene			Not detected	25	Not detected	1
1,2,4-Trichlorobenzene			Not detected	25	Not detected	1
1,2,4-Trimethylbenzene			Not detected	25	Not detected	1
1,2-Dibromo-3-chloropropane			Not detected	25	Not detected	1
1,2-Dibromoethane			Not detected	25	Not detected	1
1,2-Dichlorobenzene			Not detected	25	Not detected	1
1,2-Dichloroethane			Not detected	25	Not detected	1
1,2-Dichloroethylene (Total)			53(cis-)	25	Not detected	1
1,2-Dichloropropane			Not detected	25	Not detected	1
1,3,5-Trimethylbenzene			Not detected	25	Not detected	1
1,3-Dichlorobenzene			Not detected	25	Not detected	1
1,3-Dichloropropane			Not detected	25	Not detected	1
1,4-Dichlorobenzene			Not detected	25	Not detected	1
1-Chlorohexane			Not detected	25	Not detected	1
2,2-Dichloropropane			Not detected	25	Not detected	1
2-Chlorotoluene			Not detected	25	Not detected	1
4-Chlorotoluene			Not detected	25	Not detected	1
Benzene			Not detected	25	Not detected	1
Bromobenzene			Not detected	25	Not detected	1
Bromochloromethane			Not detected	25	Not detected	1
Bromodichloromethane			Not detected	25	Not detected	1
Bromoform			Not detected	25	Not detected	1

Client Sample ID			WC-1 (5-10')		WC-1 (20-25')	
York Sample ID			05080545-09		05080545-10	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Bromomethane			Not detected	25	Not detected	1
Carbon tetrachloride			Not detected	25	Not detected	1
Chlorobenzene			Not detected	25	1	1
Chloroethane			Not detected	25	Not detected	1
Chloroform			Not detected	25	Not detected	1
Chloromethane			Not detected	25	Not detected	1
cis-1,3-Dichloropropylene			Not detected	25	Not detected	1
Dibromochloromethane			Not detected	25	Not detected	1
Dibromomethane			Not detected	25	Not detected	1
Dichlorodifluoromethane			Not detected	25	Not detected	1
Ethylbenzene			Not detected	25	Not detected	1
Hexachlorobutadiene			Not detected	25	Not detected	1
Isopropylbenzene			Not detected	25	Not detected	1
Methylene chloride			120 B	25	4 B	1
MTBE			Not detected	25	Not detected	1
Naphthalene			Not detected	25	Not detected	1
n-Butylbenzene			Not detected	25	Not detected	1
n-Propylbenzene			Not detected	25	Not detected	1
o-Xylene			Not detected	25	Not detected	1
p- & m-Xylenes			Not detected	25	Not detected	1
p-Isopropyltoluene			Not detected	25	Not detected	1
sec-Butylbenzene			Not detected	25	Not detected	1
Styrene			Not detected	25	Not detected	1
tert-Butylbenzene			Not detected	25	Not detected	1
Tetrachloroethylene			870	25	8	1
Toluene			Not detected	25	Not detected	1
trans-1,3-Dichloropropylene			Not detected	25	Not detected	1
Trichloroethylene			Not detected	25	Not detected	1
Trichlorofluoromethane			Not detected	25	Not detected	1
Vinyl chloride			Not detected	25	Not detected	1
Base/Neutral Extractables 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-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-Methylnaphthalene			Not detected	10	Not detected	10
2-Nitroaniline			Not detected	10	Not detected	10
3,3'-Dichlorobenzidine			Not detected	10	Not detected	10
3-Nitroaniline			Not detected	10	Not detected	10
4-Bromophenyl phenyl ether			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-Nitroaniline			Not detected	10	Not detected	10
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

Client Sample ID			WC-1 (5-10')		WC-1 (20-25')	
York Sample ID			05080545-09		05080545-10	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
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
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
Carbazole			Not detected	10	Not detected	10
Chrysene			Not detected	10	Not detected	10
Dibenzo(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
Phenanthrene			Not detected	10	Not detected	10
Pyrene			Not detected	10	Not detected	10
BN Tentatively ID Compounds	SW846-8270	ug/L	Not detected		Not detected	---
VOA Tentatively ID Compounds	SW846-8260	ug/L	---	---	---	---
Hexane			550 JB		19 JB	

Client Sample ID			WC-1 (35-40')		WC-1 (50-55')	
York Sample ID			05080545-11		05080545-12	
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	10
1,1,1-Trichloroethane			5	1	51	10
1,1,2,2-Tetrachloroethane			Not detected	1	Not detected	10
1,1,2-Trichloroethane			Not detected	1	Not detected	10
1,1-Dichloroethane			Not detected	1	Not detected	10
1,1-Dichloroethylene			Not detected	1	Not detected	10
1,1-Dichloropropylene			Not detected	1	Not detected	10
1,2,3-Trichlorobenzene			Not detected	1	Not detected	10
1,2,3-Trichloropropane			Not detected	1	Not detected	10
1,2,3-Trimethylbenzene			Not detected	1	Not detected	10

Client Sample ID			WC-1 (35-40')		WC-1 (50-55')	
York Sample ID			05080545-11		05080545-12	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
1,2,4-Trichlorobenzene			Not detected	1	Not detected	10
1,2,4-Trimethylbenzene			Not detected	1	Not detected	10
1,2-Dibromo-3-chloropropane			Not detected	1	Not detected	10
1,2-Dibromoethane			Not detected	1	Not detected	10
1,2-Dichlorobenzene			Not detected	1	Not detected	10
1,2-Dichloroethane			Not detected	1	Not detected	10
1,2-Dichloroethylene (Total)			4(cis-)	1	32(cis-)	10
1,2-Dichloropropane			Not detected	1	Not detected	10
1,3,5-Trimethylbenzene			Not detected	1	Not detected	10
1,3-Dichlorobenzene			Not detected	1	Not detected	10
1,3-Dichloropropane			Not detected	1	Not detected	10
1,4-Dichlorobenzene			Not detected	1	Not detected	10
1-Chlorohexane			Not detected	1	Not detected	10
2,2-Dichloropropane			Not detected	1	Not detected	10
2-Chlorotoluene			Not detected	1	Not detected	10
4-Chlorotoluene			Not detected	1	Not detected	10
Benzene			Not detected	1	Not detected	10
Bromobenzene			Not detected	1	Not detected	10
Bromochloromethane			Not detected	1	Not detected	10
Bromodichloromethane			Not detected	1	Not detected	10
Bromoform			Not detected	1	Not detected	10
Bromomethane			Not detected	1	Not detected	10
Carbon tetrachloride			Not detected	1	Not detected	10
Chlorobenzene			8	1	Not detected	10
Chloroethane			Not detected	1	Not detected	10
Chloroform			Not detected	1	Not detected	10
Chloromethane			Not detected	1	Not detected	10
cis-1,3-Dichloropropylene			Not detected	1	Not detected	10
Dibromochloromethane			Not detected	1	Not detected	10
Dibromomethane			Not detected	1	Not detected	10
Dichlorodifluoromethane			Not detected	1	Not detected	10
Ethylbenzene			Not detected	1	Not detected	10
Hexachlorobutadiene			Not detected	1	Not detected	10
Isopropylbenzene			Not detected	1	Not detected	10
Methylene chloride			4 B	1	44 B	10
MTBE			Not detected	1	Not detected	10
Naphthalene			Not detected	1	Not detected	10
n-Butylbenzene			Not detected	1	Not detected	10
n-Propylbenzene			Not detected	1	Not detected	10
o-Xylene			Not detected	1	Not detected	10
p- & m-Xylenes			Not detected	1	Not detected	10
p-Isopropyltoluene			Not detected	1	Not detected	10
sec-Butylbenzene			Not detected	1	Not detected	10
Styrene			Not detected	1	Not detected	10
tert-Butylbenzene			Not detected	1	Not detected	10
Tetrachloroethylene			23	1	740	10
Toluene			Not detected	1	Not detected	10
trans-1,3-Dichloropropylene			Not detected	1	Not detected	10
Trichloroethylene			Not detected	1	Not detected	10
Trichlorofluoromethane			Not detected	1	Not detected	10
Vinyl chloride			Not detected	1	Not detected	10

Client Sample ID			WC-1 (35-40')		WC-1 (50-55')	
York Sample ID			05080545-11		05080545-12	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Base/Neutral Extractables 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-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-Methylnaphthalene			Not detected	10	Not detected	10
2-Nitroaniline			Not detected	10	Not detected	10
3,3'-Dichlorobenzidine			Not detected	10	Not detected	10
3-Nitroaniline			Not detected	10	Not detected	10
4-Bromophenyl phenyl ether			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-Nitroaniline			Not detected	10	Not detected	10
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
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
Carbazole			Not detected	10	Not detected	10
Chrysene			Not detected	10	Not detected	10
Dibenzo(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

Client Sample ID			WC-1 (35-40')		WC-1 (50-55')	
York Sample ID			05080545-11		05080545-12	
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
Phenanthrene			Not detected	10	Not detected	10
Pyrene			Not detected	10	Not detected	10
BN Tentatively ID Compounds	SW846-8270	ug/L	Not detected		Not detected	---
VOA Tentatively ID Compounds	SW846-8260	ug/L	---	---	---	---
Hexane			17 JB		210 JB	

Client Sample ID			MW-2		MW-5	
York Sample ID			05080545-13		05080545-14	
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

Client Sample ID			MW-2		MW-5	
York Sample ID			05080545-13		05080545-14	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
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			3 B	1	3 B	1
MTBE			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			4	1	7	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
VOA Tentatively ID Compounds	SW846-8260	ug/L	---	---	---	---
Hexane			25 JB		25 JB	
Unknown possible ethanol					7 J	

Client Sample ID			Blind Duplicate		Equipment Blank	
York Sample ID			05080545-15		05080545-16	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles-8260 list	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	10	Not detected	1
1,1,1-Trichloroethane			48	10	Not detected	1
1,1,2,2-Tetrachloroethane			Not detected	10	Not detected	1
1,1,2-Trichloroethane			Not detected	10	Not detected	1
1,1-Dichloroethane			Not detected	10	Not detected	1
1,1-Dichloroethylene			Not detected	10	Not detected	1
1,1-Dichloropropylene			Not detected	10	Not detected	1
1,2,3-Trichlorobenzene			Not detected	10	Not detected	1
1,2,3-Trichloropropane			Not detected	10	Not detected	1
1,2,3-Trimethylbenzene			Not detected	10	Not detected	1
1,2,4-Trichlorobenzene			Not detected	10	Not detected	1
1,2,4-Trimethylbenzene			Not detected	10	Not detected	1
1,2-Dibromo-3-chloropropane			Not detected	10	Not detected	1
1,2-Dibromoethane			Not detected	10	Not detected	1

Client Sample ID			Blind Duplicate		Equipment Blank	
York Sample ID			05080545-15		05080545-16	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
1,2-Dichlorobenzene			Not detected	10	Not detected	1
1,2-Dichloroethane			Not detected	10	Not detected	1
1,2-Dichloroethylene (Total)			32(cis-)	10	Not detected	1
1,2-Dichloropropane			Not detected	10	Not detected	1
1,3,5-Trimethylbenzene			Not detected	10	Not detected	1
1,3-Dichlorobenzene			Not detected	10	Not detected	1
1,3-Dichloropropane			Not detected	10	Not detected	1
1,4-Dichlorobenzene			Not detected	10	Not detected	1
1-Chlorohexane			Not detected	10	Not detected	1
2,2-Dichloropropane			Not detected	10	Not detected	1
2-Chlorotoluene			Not detected	10	Not detected	1
4-Chlorotoluene			Not detected	10	Not detected	1
Benzene			Not detected	10	Not detected	1
Bromobenzene			Not detected	10	Not detected	1
Bromochloromethane			Not detected	10	Not detected	1
Bromodichloromethane			Not detected	10	Not detected	1
Bromoform			Not detected	10	Not detected	1
Bromomethane			Not detected	10	Not detected	1
Carbon tetrachloride			Not detected	10	Not detected	1
Chlorobenzene			Not detected	10	Not detected	1
Chloroethane			Not detected	10	Not detected	1
Chloroform			Not detected	10	Not detected	1
Chloromethane			Not detected	10	Not detected	1
cis-1,3-Dichloropropylene			Not detected	10	Not detected	1
Dibromochloromethane			Not detected	10	Not detected	1
Dibromomethane			Not detected	10	Not detected	1
Dichlorodifluoromethane			Not detected	10	Not detected	1
Ethylbenzene			Not detected	10	Not detected	1
Hexachlorobutadiene			Not detected	10	Not detected	1
Isopropylbenzene			Not detected	10	Not detected	1
Methylene chloride			32 B	10	3 B	1
MTBE			Not detected	10	Not detected	1
Naphthalene			Not detected	10	Not detected	1
n-Butylbenzene			Not detected	10	Not detected	1
n-Propylbenzene			Not detected	10	Not detected	1
o-Xylene			Not detected	10	Not detected	1
p- & m-Xylenes			Not detected	10	Not detected	1
p-Isopropyltoluene			Not detected	10	Not detected	1
sec-Butylbenzene			Not detected	10	Not detected	1
Styrene			Not detected	10	Not detected	1
tert-Butylbenzene			Not detected	10	Not detected	1
Tetrachloroethylene			700	10	Not detected	1
Toluene			Not detected	10	Not detected	1
trans-1,3-Dichloropropylene			Not detected	10	Not detected	1
Trichloroethylene			17	10	Not detected	1
Trichlorofluoromethane			Not detected	10	Not detected	1
Vinyl chloride			Not detected	10	Not detected	1
Base/Neutral Extractables 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

Client Sample ID			Blind Duplicate		Equipment Blank	
York Sample ID			05080545-15		05080545-16	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
1,4-Dichlorobenzene			Not detected	10	Not detected	10
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-Methylnaphthalene			Not detected	10	Not detected	10
2-Nitroaniline			Not detected	10	Not detected	10
3,3'-Dichlorobenzidine			Not detected	10	Not detected	10
3-Nitroaniline			Not detected	10	Not detected	10
4-Bromophenyl phenyl ether			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-Nitroaniline			Not detected	10	Not detected	10
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
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
Carbazole			Not detected	10	Not detected	10
Chrysene			Not detected	10	Not detected	10
Dibenzo(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
Phenanthrene			Not detected	10	Not detected	10
Pyrene			Not detected	10	Not detected	10
BN Tentatively ID Compounds	SW846-8270	ug/L	Not detected		Not detected	---
VOA Tentatively ID Compounds	SW846-8260	ug/L	---	---	---	---
Hexane			120 JB		23 JB	

Units Key:

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

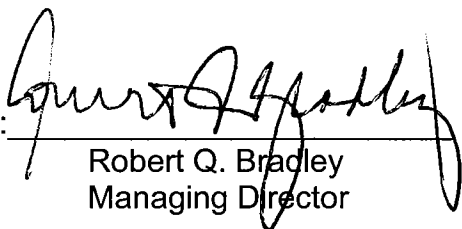
For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

Report Date: 8/25/2005
Client Project ID: 41 Saxon Avenue
York Project No.: 05080545

Notes for York Project No. 05080545

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: 8/25/2005

Definitions for FLAGS used as a Results Suffix

Flags are sometimes used on results to indicate certain occurrences during the analysis process. The most common flags used by York are defined below.

FLAG

DEFINITION

- | | |
|----------|---|
| J | J indicates an estimated value. This flag applies to Tentatively Identified Compounds or, when requested, for a target compound whose result is less than the reporting limit but whose mass spectral data meet identification criteria. For example if the reporting limit is listed as 10 ppb and the analysis shows 3 ppb, the result can be reported as 3 J. The client must request the use of J flags for the laboratory to report such flags. |
| B | B indicates that the analyte was also found in the associated batch method blank. This flag indicates possible/probable blank contamination and warns the data user to be aware. This mostly applies to the volatiles acetone and methylene chloride and the semi-volatiles bis-(2-ethylhexyl) phthalate and other phthalates. |
| E | This flag is used to indicate that the reported concentration of an analyte exceeded the calibration range of the analytical system. In this case the result reported is treated as a minimum value. This often applies where clients request an additional analyte after sample analysis, such as acetone, where the initial analysis did not require dilution since acetone was not a target compound. This flag will also apply if after numerous dilutions a specific target compound would significantly dilute out all other targets. |
| A | This flag indicates that the compound is a known artifact present in the sample. This flag typically refers to compounds detected in AIR samples taken into Tedlar bags. These compounds are either from the manufacturing process or, since Tedlar bags are somewhat permeable, they are subject to intrusion of common laboratory solvents such as acetone, methylene chloride, hexane and Freon-113. |

CHAIN OF CUSTODY DOCUMENTATION

000021

YORK

YORK

ANALYTICAL LABORATORIES, INC.

120 RESEARCH DRIVE STRATFORD, CT 06615
1203 325-1371 FAX 1203 357-0166**Field Chain-of-Custody Record**

Page 2 of 2

Company Name		Report To:	Invoice To:	Project ID/No.		Samples Collected By (Signature)	
Dermody & Menegio		Peter Dermody	Same	41 Saxon Avenue		Tracy Wall	
Sample No.	Location/ID	Date Sampled	Sample Matrix			ANALYSES REQUESTED	Container Description(s)
			Water	Soil	Air		
1	Top Blank	8/15/05	X			VOCs + TICs 8260	2-40mL/HCL
2	MW-8D						↓
3	MW-12/MS/MSD						6-40mL/HCL
4	MW-10D						2-40mL/HCL
5	MW-4						
6	MW-9						
7	MW-11						
8	MW-3						
9	WC-1(5-10')					VOCs + TICs 8260 + SVOCs + TICs 8270	2-40mL/HCL 2-1L Amber/100mL
10	WC-1(20-25')		↓				↓

Chain-of-Custody Record

Bottles Relinquished from Lab by	Date/Time	Sample Relinquished by	Date/Time
Tracy Wall	8/15/05		

Bottles Received in Field by	Date/Time	Sample Received in LAB by	Date/Time

Comments/Special Instructions

* Base Neutral Only for SVOCs

4,400g

Turn-Around Time

Standard

RUSH(define)

8/17/05

8/17/05

8/18/05

8/18/05

YORK

ANALYTICAL LABORATORIES, INC.

120 RESEARCH DRIVE STRATFORD, CT 06615
TEL (203) 325-1371 FAX (203) 357-0366

Field Chain-of-Custody Record

Page 2 of 2

Company Name <i>Dermody & Menegio</i>	Report To: <i>Peter Dermody</i>	Invoice To: <i>Same</i>	Project ID/No. <i>41 Saxon Avenue</i>	Samples Collected By (Signature) <i>Tacy Wall</i>
Name (Printed) <i>Tacy Wall</i>				

Sample No.	Location/ID	Date Sampled	Sample Matrix			ANALYSES REQUESTED	Container Description(s)
			Water	Soil	Air		
11	WC-1 (35'-40')	8/15/05	X			VOCS + TICs 8260 ! *BANK ONLY	2-40mL/HCC
12	WC-1 (50'-55')					↓	↓
13	MW-2					VOCS + TICs 8260	2-40mL/HCC
14	MW-5						
15	Blind Duplicate					VOCS + TICs 8260 ! *BANK ONLY	2-40mL/HCC
16	Equipment Blank					↓	↓
000023							


Chain-of-Custody Record

Bottles Relinquished from Lab by <i>Tacy Wall</i>	Date/Time <i>8/15/05 0800</i>	Sample Relinquished by	Date/Time
Bottles Received in Field by	Date/Time	Sample Relinquished by	Date/Time
Comments/Special Instructions <i>* Base Neutrals only for 8260</i> <i>ANSubeana 12 National</i>		Turn-Around Time <input checked="" type="checkbox"/> Standard <input type="checkbox"/> RUSH (define)	
Bottles Received by <i>Wagon</i>		Date/Time <i>8/17/05 130</i>	

Laboratory Chain-of-Custody Record

for York Project No. 090806745

Date: 8/17/05 page 1 of 1

ALL SAMPLES RECEIVED IN PROPER CONDITION: YES ☒ NO ☐
BY:  Date: 8/17/05

$$\begin{array}{c} \cdot \\ \cdot \\ \text{Y} \\ \text{B} \end{array}$$
[illegible]

Remarks

APPENDIX A

SDG NARRATIVE and
LABORATORY RAW DATA

YORK
Case Narrative
York SDG No. 05080545

Introduction

Sixteen aqueous samples collected on August 15, 2005 were received at York Analytical August 17, 2005. All samples were received intact in a custody-sealed cooler. Upon receipt, the temperature of the cooler was determined. The cooler temperature was 4.4 °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 various samples for target volatile organics, semi-volatiles, PCB and metals/mercury using the EPA SW-846 methods as detailed in the following table.

<u>Parameter</u>	<u>Preparative Method</u>	<u>Analysis Method</u>
Target Volatiles	5030B	8260B
Target Semi-Volatiles	3010C	8270C

Volatiles Analysis

No problems were encountered during analysis of these samples. All holding times were met. Samples were procured on August 15, 2005. All analysis was completed on August 23 through August 25, 2005.

All initial calibration, continuing calibration, laboratory control sample, internal standard area and surrogate recovery criteria were met. The matrix spike/matrix spike duplicate (MS/MSD) recoveries for the soil matrix met laboratory control limits. Batch QC and site-specific data are provided for the MS/MSD. All blanks met laboratory SOP criteria. All data, where applicable, are suffixed with appropriate flags (e.g. J, B, E). Methylene chloride and hexane were found in the method blanks at acceptable levels. These are common artifacts. The data have been B flagged where appropriate. Since the levels of methylene chloride and hexane (as a TIC) are less than 10x the method blanks, they should be considered as not detected in the field samples.

Certain samples required dilution due to levels of target compounds exceeding the calibration range. Specifically, the following samples required dilutions (numbers in parentheses are the dilution factors): MW-4 (10x); MW-9 (50x); WC-1 (5-10') (25x); WC-1 (50-55') (10x); and Blind Duplicate (10x).

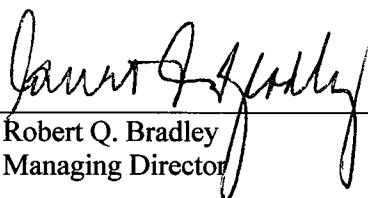
Semi-Volatiles Analysis

No problems were encountered during analysis of these samples. All samples were extracted within the 7 day holding time period. Samples were collected on August 15, 2005 and extracted on August 22, 2005.

All initial calibration, continuing calibration, laboratory control sample, internal standard area and surrogate recovery criteria were met. The matrix spike/matrix spike duplicate (MS/MSD) recoveries for the soil matrix met laboratory control limits. Batch QC and site-specific data are provided for the MS/MSD. All blanks met laboratory SOP criteria. All data, where applicable, are suffixed with appropriate flags (e.g. J, B, E).

SDG 05080545 Statement

We certify that these data are in compliance with method SOP requirements 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:  Date: October 4, 2005
Robert Q. Bradley
Managing Director

Injection Log

Directory: c:\hpchem\1\data

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	evaldemo.d	1.	demoscan sample	10 ng per component	7 Sep 89 13:56
2	2	v2005477.d	5.	MBLK	QBV2081705A	17 Aug 05 18:22
3	3	v2005478.d	1.	10 PPB VOA CALIBRATION STD	QBV2081705A	17 Aug 05 19:03
4	4	v2005479.d	1.	20 PPB VOA CALIBRATION STD	QBV2081705A	17 Aug 05 19:44
5	5	v2005480.d	1.	50 PPB VOA CALIBRATION STD	QBV2081705A	17 Aug 05 20:26
6	6	v2005481.d	1.	100 PPB VOA CALIBRATION STD	QBV2081705A	17 Aug 05 21:07
7	7	v2005482.d	1.	200 PPB VOA CALIBRATION STD	QBV2081705A	17 Aug 05 21:49
8	1	v2005608.d	1.	VOA METHOD BLANK STD	QBV2082305A	23 Aug 05 14:09
9	2	v2005609.d	1.	50ppb VOA CAL CHECK STD	QBV2082305A	23 Aug 05 14:51
10	3	v2005610.d	1.	VOA LCS STD	QBV2082305A	23 Aug 05 15:32
11	4	v2005611.d	1.	VOA MS STD	QBV2082305A	23 Aug 05 16:14
12	5	v2005612.d	1.	VOA MSD STD	QBV2082305A	23 Aug 05 16:55
13	6	v2005613.d	1.	VOA METHOD BLANK STD	QBV2082305A	23 Aug 05 17:37
14	7	v2005614.d	1.	05080545-01 \$8260W/VOATICW ASPB	QBV2082305A TRIP BLANK	23 Aug 05 18:18
15	8	v2005615.d	1.	05080545-02 \$8260W/VOATICW ASPB	QBV2082305A MW-8D	23 Aug 05 18:59
16	9	v2005616.d	1.	05080545-03 \$8260W/VOATICW ASPB	QBV2082305A MW-12	23 Aug 05 19:40
17	10	v2005617.d	1.	05080545-04 \$8260W/VOATICW ASPB	QBV2082305A MW-10D	23 Aug 05 20:21
18	19	v2005626.d	1.	50ppb VOA CAL CHECK STD	QBV2082305B	24 Aug 05 02:37
19	21	v2005628.d	1.	VOA METHOD BLANK STD	QBV2082305B	24 Aug 05 04:02
20	22	v2005629.d	1.	05080545-13 \$8260W/VOATICW ASPB	QBV2082305B MW-2	24 Aug 05 04:44
21	23	v2005630.d	1.	05080545-14 \$8260W/VOATICW ASPB	QBV2082305B MW-5	24 Aug 05 05:26
22	25	v2005632.d	1.	05080545-16 \$8260W/VOATICW ASPB	QBV2082305B Equipment Blank	24 Aug 05 06:51
23	26	v2005633.d	1.	05080545-03 \$8260W/VOATICW (MS) ASPB	QBV2082305B	24 Aug 05 07:33
24	27	v2005634.d	1.	05080545-03 \$8260W/VOATICW (MSD) ASPB	QBV2082305B	24 Aug 05 08:15
25	1	v2005643.d	1.	VOA METHOD BLANK STD	QBV2082405A	24 Aug 05 14:32
26	2	v2005644.d	1.	50ppb VOA CAL CHECK STD	QBV2082405A	24 Aug 05 15:13
27	3	v2005645.d	1.	VOA LCS STD	QBV2082405A	24 Aug 05 15:54
28	4	v2005646.d	1.	VOA MS STD	QBV2082405A	24 Aug 05 16:35
29	5	v2005647.d	1.	VOA MSD STD	QBV2082405A	24 Aug 05 17:17
30	6	v2005648.d	1.	VOA METHOD BLANK STD	QBV2082405A	24 Aug 05 17:58
31	7	v2005649.d	10.	05080545-05 \$8260W/VOATICW RE 5ML/50ML MW-4	QBV2082405A	24 Aug 05 18:39
32	8	v2005650.d	50.	05080545-06 \$8260W/VOATICW RE 1ML/50ML MW-9	QBV2082405A	24 Aug 05 19:20
33	9	v2005651.d	1.	05080545-07 \$8260W/VOATICW RE ASPB MW-11	QBV2082405A	24 Aug 05 20:02
34	10	v2005652.d	1.	05080545-08 \$8260W/VOATICW RE ASPB MW-3	QBV2082405A	24 Aug 05 20:43
35	11	v2005653.d	25.	05080545-09 \$8260W/VOATICW RE 2ML/50ML WC-1 (5-10')	QBV2082405A	24 Aug 05 21:25
36	12	v2005654.d	1.	05080545-10 \$8260W/VOATICW RE ASPB WC-1 (20-25')	QBV2082405A	24 Aug 05 22:06
37	13	v2005655.d	1.	05080545-11 \$8260W/VOATICW RE ASPB WC-1 (35-40')	QBV2082405A	24 Aug 05 22:48
38	14	v2005656.d	10.	05080545-12 \$8260W/VOATICW RE 5ML/50ML WC-1 (50-55')	QBV2082405A	24 Aug 05 23:31
39	15	v2005657.d	10.	05080545-15 \$8260W/VOATICW RE 5ML/50ML Blind Duplicate	QBV2082405A	25 Aug 05 00:13

Form 2A
Volatile System Monitoring Compound Recovery

Lab Name: York Analytical Labs

Lab Code:

Case No.:

SDG No.: 05080545

VOA 2

Client Sample ID	SMC1 (DCE) #	SMC2 (TOL) #	SMC3 (BFB) #	OTHER	TOT OUT
VOA LCS STD	100	96	100		0
VOA MS STD	95	98	101		0
VOA MSD STD	96	97	99		0
VOA METHOD BLK	102	96	98		0
Trip Blank	100	99	97		0
MW-8D	96	98	101		0
MW-12	97	97	87		0
MW-10D	100	97	100		0
VOA METHOD BLK	98	97	100		0
MW-2	99	95	100		0
MW-5	101	99	100		0
Equipment Blank	100	97	100		0
MW-12 MS	99	96	100		0
MW-12 MSD	101	97	99		0
VOA LCS STD	95	97	97		0
VOA MS STD	93	96	99		0
VOA MSD STD	95	97	97		0
VOA METHOD BLK	101	95	99		0
MW-4	103	97	100		0

Laboratory QC Limits

SMC1 (DCE) = 1,2-Dichloroethane-d4 70-138

SMC2 (TOL) = Toluene-d8 84-138

SMC3 (BFB) = Bromofluorobenzene 65-120

Column to be used to flag recovery values

* Values outside of Laboratory QC limits

Form 2A

Lab Code:

SDG No.: 05080545

[illegible]

SMC1 (DCE) = 1,2-Dichloroethane-d4	70-138
SMC2 (TOL) = Toluene-d8	84-138
SMC3 (BFB) = Bromofluorobenzene	65-120

* Values outside of Laboratory QC limits

Form 3A
Volatile Matrix Spike/Matrix Spike Duplicate Recovery

Lab Name: York Analytical Labs

Lab Code:

Case No:

SDG No.: 05080545

Matrix Spike - EPA Sample No.: BATCH QC - QBV2082305A

VOA 2

Compound	Spike Added (ug/L)	Sample Conc. (ug/L)	MS Conc. (ug/L)	MS Rec. % #	QC Limits Recovery, %
1,1-Dichloroethene	50	0	54	108	59-172
Trichloroethene	50	0	50	100	62-137
Benzene	50	0	51	102	66-142
Toluene	50	0	50	100	59-139
Chlorobenzene	50	0	51	102	60-133

Compound	Spike Added (ug/L)	MSD Conc. (ug/L)	MS Rec. % #	RPD % #	QC Limits	
					RPD	REC
1,1-Dichloroethene	50	54	108	0.0	22	59-172
Trichloroethene	50	49	98	2.0	24	62-137
Benzene	50	52	104	1.9	21	66-142
Toluene	50	49	98	2.0	21	59-139
Chlorobenzene	50	50	100	2.0	21	60-133

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside of limits

Comments:

Volatile Matrix Spike/Matrix Spike Duplicate Recovery**Lab Name:** York Analytical Labs**Lab Code:****Case No:****SDG No.:** 05080545**Matrix Spike - EPA Sample No.:** MW-12**VOA 2**

Compound	Spike Added (ug/L)	Sample Conc. (ug/L)	MS Conc. (ug/L)	MS Rec. % #	QC Limits Recovery, %
1,1-Dichloroethene	50	0	55	110	59-172
Trichloroethene	50	11	58	94	62-137
Benzene	50	0	52	104	66-142
Toluene	50	0	47	94	59-139
Chlorobenzene	50	0	46	92	60-133

Compound	Spike Added (ug/L)	MSD Conc. (ug/L)	MS Rec. % #	RPD % #	QC Limits	
					RPD	REC
1,1-Dichloroethene	50	55	110	0.0	22	59-172
Trichloroethene	50	59	96	1.7	24	62-137
Benzene	50	53	106	1.9	21	66-142
Toluene	50	48	96	2.1	21	59-139
Chlorobenzene	50	50	100	8.3	21	60-133

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside of limits

Comments:

Volatile Matrix Spike/Matrix Spike Duplicate Recovery**Lab Name:** York Analytical Labs**Lab Code:****Case No:****SDG No.:** 05080545**Matrix Spike - EPA Sample No.:** Batch QC - QBV2082405A**VOA 2**

Compound	Spike Added (ug/L)	Sample Conc. (ug/L)	MS Conc. (ug/L)	MS Rec. % #	QC Limits Recovery, %
1,1-Dichloroethene	50	0	55	110	59-172
Trichloroethene	50	0	50	100	62-137
Benzene	50	0	54	108	66-142
Toluene	50	0	50	100	59-139
Chlorobenzene	50	0	51	102	60-133

Compound	Spike Added (ug/L)	MSD Conc. (ug/L)	MS Rec. % #	RPD % #	QC Limits	
					RPD	REC
1,1-Dichloroethene	50	57	114	3.6	22	59-172
Trichloroethene	50	51	102	2.0	24	62-137
Benzene	50	56	112	3.6	21	66-142
Toluene	50	52	104	3.9	21	59-139
Chlorobenzene	50	53	106	3.8	21	60-133

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside of limits

Comments:

4A
Volatile Method Blank Summary

Lab Name: York Analytical Labs

Lab Code: **Case No.:**

Lab File ID: V2005613.D

Date Analyzed: 08/23/05

GC Column: **ID:(mm)**

Instrument ID:

SAS No:

SDG No.: 05080545

Lab Sample ID: VOA METHOD BLANK

Time Analyzed: 17:37

Heated Purge:(Y/N)

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

VOA 2

	Client Sample ID	Lab Sample ID	Lab File ID	Time Analyzed
1		VOA LCS STD	V2005610.D	15:32
2		VOA MS STD	V2005611D	16:14
3		VOA MSD STD	V2005612.D	16:55
4	TRIP BLANK	05080545-01	V2005614.D	18:18
5	MW-8D	05080545-02	V2005615.D	18:59
6	MW-12	05080545-03	V2005616.D	19:40
7	MW-10D	05080545-04	V2005617.D	20:21
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

Comments:

4A
Volatile Method Blank Summary

Lab Name: York Analytical Labs

Lab Code:

Case No.:

SAS No:

SDG No.: 05080545

Lab File ID: V2005628.D

Lab Sample ID: VOA METHOD BLANK

Date Analyzed: 08/24/05

Time Analyzed: 04:02

GC Column:

ID:(mm)

Heated Purge:(Y/N)

Instrument ID:

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

VOA 2

	Client Sample ID	Lab Sample ID	Lab File ID	Time Analyzed
1	MW-2	05080545-13	V2005629.D	04:44
2	MW-5	05080545-14	V2005630.D	05:26
3	EQUIPMENT BLANK	05080545-16	V2005632.D	06:51
4	MW-12 MS	05080545-03 MS	V2005633.D	07:33
5	MW-12 MSD	06090545-03 MSD	V2005634.D	08:15
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

Comments:

4A
Volatile Method Blank Summary

Lab Name: York Analytical Labs

Lab Code: Case No.:

Lab File ID: V2005648.D

Date Analyzed: 08/24/05

GC Column: ID:(mm)

Instrument ID:

SAS No:

SDG No.: 05080545

Lab Sample ID: VOA METHOD BLANK

Time Analyzed: 17:58

Heated Purge:(Y/N)

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

VOA 2

	Client Sample ID	Lab Sample ID	Lab File ID	Time Analyzed
1		VOA LCS STD	V2005645.D	15:54
2		VOA MS STD	V2005646.D	16:35
3		VOA MSD STD	V2005647.D	17:17
4	MW-4	05080545-05	V2005649.D	18:39
5	MW-9	05080545-06	V2005650.D	19:20
6	MW-11	05080545-07	V2005651.D	20:02
7	MW-3	05080545-08	V2005652.D	20:43
8	WC-1 (5-10')	05080545-09	V2005653.D	21:25
9	WC-1 (20-25')	05080545-10	V2005654.D	22:06
10	WC-1 (35-40')	05080545-11	V2005655.D	22:48
11	WC-1 (50-55')	05080545-12	V2005656.D	23:31
12	BLIND DUPLICATE	05080545-15	V2005657.D	00:13
13				
14				
15				
16				
17				
18				
19				
20				

Comments:

5A
Volatile Organic Instrument Performance Check
Bromoflourobenzene (BFB)

Lab Name: York Analytical Labs

Lab Code: Case No.:

Lab File ID: V2005477.D

Instrument ID:

GC Column: ID: (mm)

SDG (Project ID) No: 05080545

BFB Injection Date: 08/17/05

BFB InjectionTime: 18:22

VOA 2

m/e	Ion Abundance Criteria	% Relative Abundance
50	8.0-40.0% of mass 95	14.0
75	30.0-66.0% of mass 95	37.9
95	Base peak, 100% relative abundance	100.0
96	5.0-9.0% of mass 95	6.1
173	Less than 2.0% of mass 174	0.0 (83.9) 1
174	50.0-120.0% of mass 95	83.9
175	4.0-9.0% of mass 174	6.8 (83.9) 1
176	93.0-101.0% of mass 174	98.2 (83.9) 1
177	5.0-9.0% of mass 176	6.0 (98.2) 2

1- Value is % mass 174

2-Value is % mass 176

This check applies to the following samples, MS, MSD, blanks and standards

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
1	10 ppb VOA Cal Std	V2005478.D	08/17/05	19:03
2	20 ppb VOA Cal Std	V2005479.D	08/17/05	19:44
3	50 ppb VOA Cal Std	V2005480.D	08/17/05	20:26
4	100 ppb VOA Cal Std	V2005481.D	08/17/05	21:07
5	200 ppb VOA Cal Std	V2005482.D	08/17/05	21:49
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				

5A
Volatile Organic Instrument Performance Check
Bromoflourobenzene (BFB)

Lab Name: York Analytical Labs

Lab Code: Case No.:

Lab File ID: V2005608.D

Instrument ID:

GC Column: ID: (mm)

SDG (Project ID) No: 05080545

BFB Injection Date: 08/23/05

BFB InjectionTime: 14:09

VOA 2

m/e	Ion Abundance Criteria	% Relative Abundance
50	8.0-40.0% of mass 95	15.1
75	30.0-66.0% of mass 95	38.3
95	Base peak, 100% relative abundance	100.0
96	5.0-9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.0 (88.7) 1
174	50.0-120.0% of mass 95	88.7
175	4.0-9.0% of mass 174	6.6 (88.7) 1
176	93.0-101.0% of mass 174	95.7 (88.7) 1
177	5.0-9.0% of mass 176	5.6 (95.7) 2

1- Value is % mass 174

2-Value is % mass 176

This check applies to the following samples, MS, MSD, blanks and standards

	Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
1		50 ppb VOA CAL STD	V2005609.D	08/23/05	14:51
2		VOA LCS STD	V2005610.D	08/23/05	15:32
3		VOA MS STD	V2005611.D	08/23/05	16:14
4		VOA MSD STD	V2005612.D	08/23/05	16:55
5		VOA METHOD BLANK	V2005613.D	08/23/05	17:37
6	TRIP BLANK	05080545-01	V2005614.D	08/23/05	18:19
7	MW-8D	05080545-02	V2005615.D	08/23/05	18:59
8	MW-12	05080545-03	V2005616.D	08/23/05	19:40
9	MW-10D	05080545-04	V2005617.D	08/23/05	20:21
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

**Volatile Organic Instrument Performance Check
Bromofluorobenzene (BFB)**

Lab Name: York Analytical Labs

Lab Code: Case No.:

Lab File ID: V2005626.D

Instrument ID:

GC Column: ID: (mm)

SDG (Project ID) No: 05080545

BFB Injection Date: 08/24/05

BFB InjectionTime: 02:37

VOA 2

m/e	Ion Abundance Criteria	% Relative Abundance	
50	8.0-40.0% of mass 95	14.7	
75	30.0-66.0% of mass 95	43.7	
95	Base peak, 100% relative abundance	100.0	
96	5.0-9.0% of mass 95	6.0	
173	Less than 2.0% of mass 174	0.0	(83.5) 1
174	50.0-120.0% of mass 95	83.5	
175	4.0-9.0% of mass 174	6.6	(83.5) 1
176	93.0-101.0% of mass 174	99.1	(83.5) 1
177	5.0-9.0% of mass 176	6.5	(99.1) 2

1- Value is % mass 174

2-Value is % mass 176

This check applies to the following samples, MS, MSD, blanks and standards

	Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
1		VOA METHOD BLK	V2005628.D	08/24/05	04:02
2	MW-2	05080545-13	V2005629.D	08/24/05	04:44
3	MW-5	05080545-14	V2005630.D	08/24/05	05:26
4	EQUIPMENT BLANK	05080545-16	V2005632.D	08/24/05	06:51
5	MW-12 MS	05080545-03 MS	V2005633.D	08/24/05	07:33
6	MW-12 MSD	05080545-03 MSD	V2005634.D	08/24/05	08:15
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

5A
Volatile Organic Instrument Performance Check
Bromofluorobenzene (BFB)

Lab Name: York Analytical Labs

Lab Code: Case No.:

Lab File ID: V2005643.D

Instrument ID:

GC Column: ID: (mm)

SDG (Project ID) No: 05080545

BFB Injection Date: 08/24/05

BFB InjectionTime: 14:32

VOA 2

m/e	Ion Abundance Criteria	% Relative Abundance
50	8.0-40.0% of mass 95	14.4
75	30.0-66.0% of mass 95	36.0
95	Base peak, 100% relative abundance	100.0
96	5.0-9.0% of mass 95	7.4
173	Less than 2.0% of mass 174	0.0 (87.2) 1
174	50.0-120.0% of mass 95	87.2
175	4.0-9.0% of mass 174	6.9 (87.2) 1
176	93.0-101.0% of mass 174	94.4 (87.2) 1
177	5.0-9.0% of mass 176	6.3 (94.4) 2

1- Value is % mass 174

2-Value is % mass 176

This check applies to the following samples, MS, MSD, blanks and standards

	Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
1		50 ppb VOA CAL STD	V2005644.D	08/24/05	15:13
2		VOA LCS STD	V2005645.D	08/24/05	15:54
3		VOA MS STD	V2005646.D	08/24/05	16:35
4		VOA MSD STD	V2005647.D	08/24/05	17:17
5		VOA METHOD BLK	V2005648.D	08/24/05	17:58
6	MW-4	05080545-05	V2005649.D	08/24/05	18:39
7	MW-9	05080545-06	V2005650.D	08/24/05	19:20
8	MW-11	05080545-07	V2005651.D	08/24/05	20:02
9	MW-3	05080545-08	V2005652.D	08/24/05	20:43
10	WC-1 (5-10')	05080545-09	V2005653.D	08/24/05	21:25
11	WC-1 (20-25')	05080545-10	V2005654.D	08/24/05	22:06
12	WC-1 (35-40')	05080545-11	V2005655.D	08/24/05	22:48
13	WC-1 (50-55')	05080545-12	V2005656.D	08/24/05	23:31
14	BLIND DUPLICATE	05080545-15	V2005657.D	08/25/05	00:13
15					
16					
17					
18					
19					
20					
21					
22					

ID: (mm)

Volatile Internal Standard Area and RT Summary

Lab Name: York Analytical Labs

Lab Code:

Case No:

SAS No.

SDG No: 05080545

EPA Sample No.: 05080545

Date Analyzed: 08/24/05

Lab File ID: V2005643.D

Time Analyzed: 15:13

Instrument ID:

Heated Purge: (Y/N)

GC Column:

ID: (mm)

VOA 2

	IS 1 (FBZ) Area #	RT #	IS 2 (CBZ) Area #	RT #	IS 3 (DCB) Area #	RT #
12 Hour Std	22905	14.86	168186	21.35	83821	27.31
Upper Limit	45810	15.36	336372	21.85	167642	27.81
Lower Limit	11453	14.36	84093	20.85	41911	26.81
Client Sample ID						
VOA LCS STD	233.93	14.85	170727	21.33	86852	27.28
VOA MS STD	24151	14.84	171858	21.32	83579	27.28
VOA MSD STD	23271	14.84	167258	21.33	83489	27.28
VOA METHOD BLK	23072	14.84	169834	21.33	83843	27.28
MW-4	23866	14.87	175673	21.35	86733	27.30
MW-9	25732	14.87	183640	21.36	90166	27.30
MW-11	24103	14.87	177343	21.35	85561	27.31
MW-3	23075	14.87	169889	21.35	82911	27.31
WC-1 (5-10')	23931	14.87	169494	21.36	82345	27.31
WC-1 (20-25')	23408	14.89	174079	21.36	85598	27.31
WC-1 (35-40')	23194	14.89	170590	21.37	83269	27.32
WC-1 (50-55')	24047	14.91	169343	21.38	83235	27.33
BLIND DUPLICATE	22677	14.90	166797	21.38	80586	27.33

IS 1 (FBZ)

Fluorobenzene

IS 2 (CBZ)

Chlorobenzene-d5

IS 3 (DCB)

1,2-Dichlorobenzene-d4

Area Upper Limit +100% of internal standard area

Area Lower Limit -50% of internal standard area

RT Upper Limit +0.50 minutes of internal standard RT

RT Lower Limit -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with asterisk

* Values outside of QC limits

Client Sample ID

Trip Blank

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

Matrix: WATER

Dilution Factor: 1.0

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

Date Collected: 8/15/05

Date Received: 8/17/05

Date Analyzed: 8/23/05

Level: LOW

Sample Type: WATER

SDG: 05080545

Lab ID: 05080545-01

Lab File ID: V2005614.D

CONCENTRATION
UNITS: ug/L

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
Trip Blank	05080545-01	Benzene	1 U
Trip Blank	05080545-01	Bromobenzene	1 U
Trip Blank	05080545-01	Bromochloromethane	1 U
Trip Blank	05080545-01	Bromodichloromethane	1 U
Trip Blank	05080545-01	Bromoform	1 U
Trip Blank	05080545-01	Bromomethane	1 U
Trip Blank	05080545-01	n-Butylbenzene	1 U
Trip Blank	05080545-01	sec-Butylbenzene	1 U
Trip Blank	05080545-01	tert-Butylbenzene	1 U
Trip Blank	05080545-01	Carbon tetrachloride	1 U
Trip Blank	05080545-01	Chlorobenzene	1 U
Trip Blank	05080545-01	Chloroethane	1 U
Trip Blank	05080545-01	Chloroform	1 U
Trip Blank	05080545-01	1-Chlorohexane	1 U
Trip Blank	05080545-01	Chloromethane	1 U
Trip Blank	05080545-01	2-Chlorotoluene	1 U
Trip Blank	05080545-01	4-Chlorotoluene	1 U
Trip Blank	05080545-01	Dibromochloromethane	1 U
Trip Blank	05080545-01	1,2-Dibromo-3-chloropropane	1 U
Trip Blank	05080545-01	1,2-Dibromoethane	1 U
Trip Blank	05080545-01	Dibromomethane	1 U
Trip Blank	05080545-01	1,2-Dichlorobenzene	1 U
Trip Blank	05080545-01	1,3-Dichlorobenzene	1 U
Trip Blank	05080545-01	1,4-Dichlorobenzene	1 U
Trip Blank	05080545-01	Dichlorodifluoromethane	1 U
Trip Blank	05080545-01	1,1-Dichloroethane	1 U
Trip Blank	05080545-01	1,2-Dichloroethane	1 U
Trip Blank	05080545-01	1,1-Dichloroethylene	1 U
Trip Blank	05080545-01	1,2-Dichloroethylene (Total)	1 U
Trip Blank	05080545-01	1,2-Dichloropropane	1 U
Trip Blank	05080545-01	1,3-Dichloropropane	1 U
Trip Blank	05080545-01	2,2-Dichloropropane	1 U
Trip Blank	05080545-01	1,1-Dichloropropylene	1 U

Client Sample ID

Trip Blank

CONCENTRATION
UNITS: ug/L

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
Trip Blank	05080545-01	cis-1,3-Dichloropropylene	1 U
Trip Blank	05080545-01	trans-1,3-Dichloropropylene	1 U
Trip Blank	05080545-01	Ethylbenzene	1 U
Trip Blank	05080545-01	Hexachlorobutadiene	1 U
Trip Blank	05080545-01	Isopropylbenzene	1 U
Trip Blank	05080545-01	p-Isopropyltoluene	1 U
Trip Blank	05080545-01	Methylene chloride	3 B
Trip Blank	05080545-01	Naphthalene	1 U
Trip Blank	05080545-01	n-Propylbenzene	1 U
Trip Blank	05080545-01	Styrene	1 U
Trip Blank	05080545-01	1,1,1,2-Tetrachloroethane	1 U
Trip Blank	05080545-01	1,1,2,2-Tetrachloroethane	1 U
Trip Blank	05080545-01	Tetrachloroethylene	1 U
Trip Blank	05080545-01	Toluene	1 U
Trip Blank	05080545-01	1,2,3-Trichlorobenzene	1 U
Trip Blank	05080545-01	1,2,4-Trichlorobenzene	1 U
Trip Blank	05080545-01	1,1,1-Trichloroethane	1 U
Trip Blank	05080545-01	1,1,2-Trichloroethane	1 U
Trip Blank	05080545-01	Trichloroethylene	1 U
Trip Blank	05080545-01	Trichlorofluoromethane	1 U
Trip Blank	05080545-01	1,2,3-Trichloropropane	1 U
Trip Blank	05080545-01	1,2,3-Trimethylbenzene	1 U
Trip Blank	05080545-01	1,2,4-Trimethylbenzene	1 U
Trip Blank	05080545-01	1,3,5-Trimethylbenzene	1 U
Trip Blank	05080545-01	Vinyl chloride	1 U
Trip Blank	05080545-01	o-Xylene	1 U
Trip Blank	05080545-01	p- & m-Xylenes	1 U
Trip Blank	05080545-01	MTBE	1 U

Data File : C:\HPCHEM\1\DATA\V2005614.D
Acq On : 23 Aug 2005 6:18 pm
Sample : 05080545-01 \$8260W/VOATICW ASPB
Misc : QBV2082305A
MS Integration Params: rteint.p
Quant Time: Oct 4 10:02 19105

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

Quant Results File: V2C173.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
Title : VOCs BY GC/MS 8240/8260
Last Update : Thu Aug 18 08:08:33 2005
Response via : Initial Calibration
DataAcq Meth : V2C173

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.87	70	23675	50.00	ppb	0.00
25) CHLOROBENZENE-d5(ISTD)	21.36	117	168443	50.00	ppb	0.00
47) 1,2-DICHLOROBENZENE-d4(IST	27.31	152	84381	50.00	ppb	0.00

System Monitoring Compounds

21) d4-1,2-Dichloroethane(SURR	14.14	65	26831	49.80	ppb	-0.01
Spiked Amount	50.000	Range	37 - 128	Recovery	=	99.60%
32) Toluene-d8(SURR)	18.13	98	146995	49.60	ppb	-0.01
Spiked Amount	50.000	Range	40 - 61	Recovery	=	99.20%#
49) p-Bromofluorobenzene(SURR)	23.97	174	70131	48.52	ppb	0.00
Spiked Amount	50.000	Range	39 - 68	Recovery	=	97.04%#

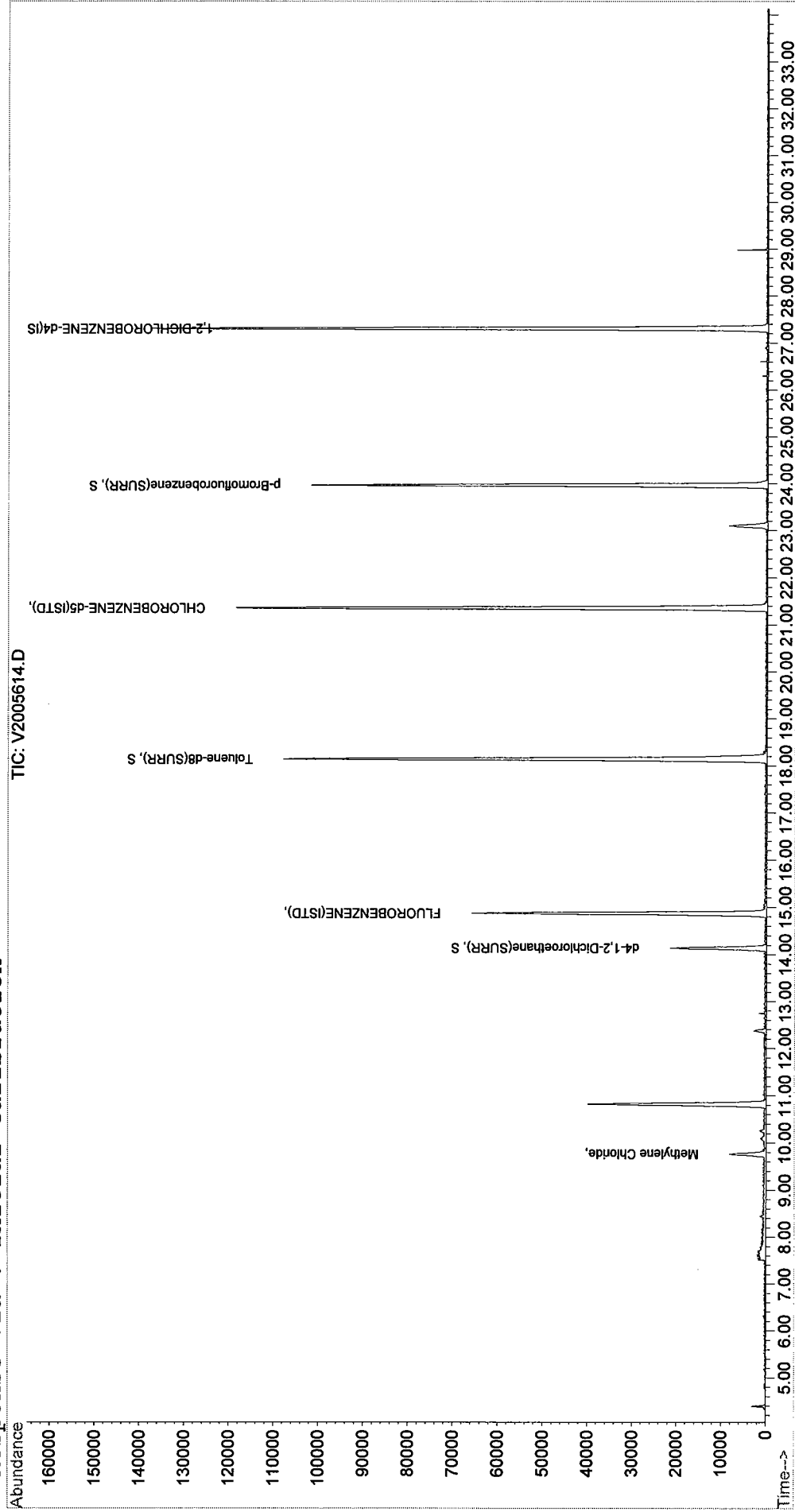
Target Compounds

						Qvalue
11) Methylene Chloride	9.76	49	9218	2.86	ppb	# 55

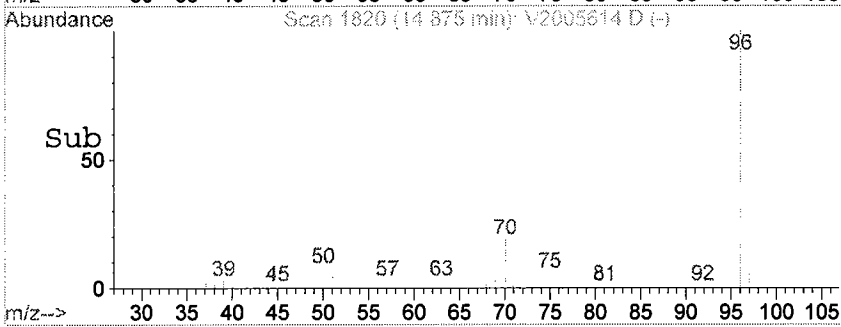
(#) = qualifier out of range (m) = manual integration

Method Data File : C:\HPCHEM\1\DATA\V2005614.D
Acq On : 23 Aug 2005 6:18 pm Vial: 7
Sample : 05080545-01 \$8260W/VOATICW ASPB Operator: SS
Misc : QBV2082305A Inst : VOA No. 2
MS Integration Params: rteint.p Multiplr: 1.00
Quant Time: Oct 4 10:02 19105 Quant Results File: V2C173.RES

Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
Title : VOCs BY GC/MS 8240/8260
Last Update : Thu Aug 18 08:08:33 2005
Response via : Initial Calibration

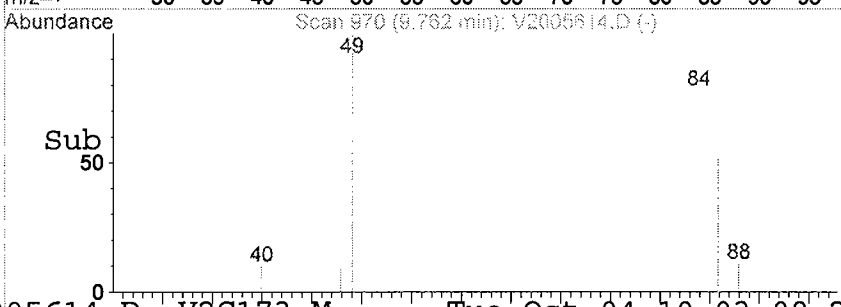
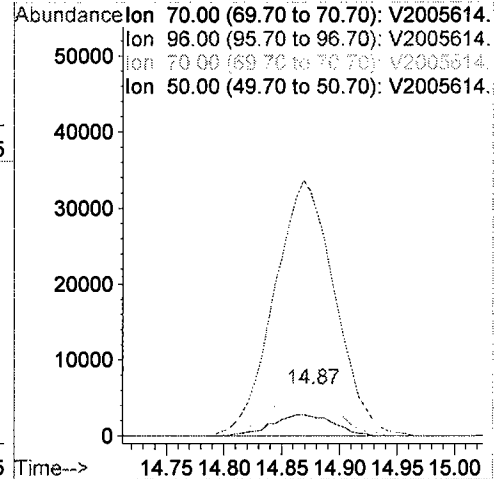


000047



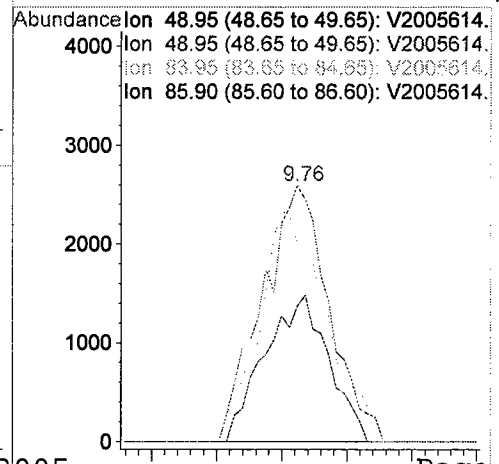
```
#1
FLUOROBENZENE(ISTD)
Concen: 50.00 ppb
RT: 14.87 min   Scan# 1820
Delta R.T.      -0.01 min
Lab File:       V2005614.D
Acq: 23 Aug 2005   6:18 pm
```

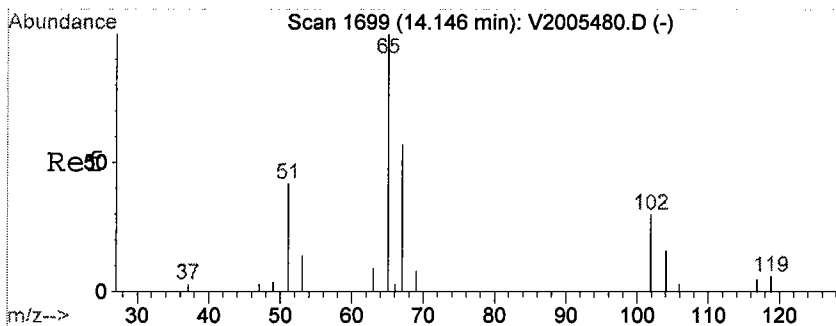
Tgt	Ion: 70	Resp:	23675
Ion	Ratio	Lower	Upper
70	100		
96	517.9	404.2	606.2
70	100.0	80.0	120.0
50	42.9	34.5	51.7



```
#11
Methylene Chloride
Concen: 2.86 ppb
RT: 9.76 min   Scan# 970
Delta R.T.    -0.01 min
Lab File:     V2005614.D
Acq: 23 Aug 2005   6:18 pm
```

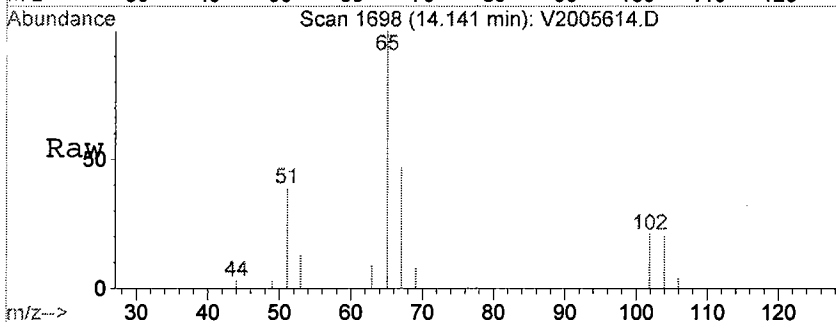
Tgt	Ion: 49	Resp:	9218
Ion	Ratio	Lower	Upper
49	100		
49	100.0	80.0	120.0
84	0.0	71.8	107.8#
86	54.7	0.0	0.0#



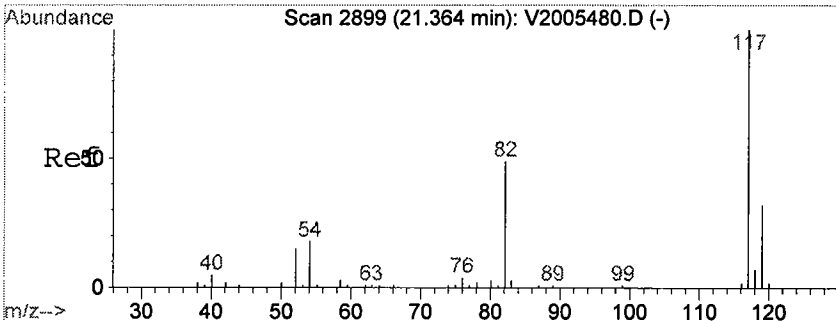
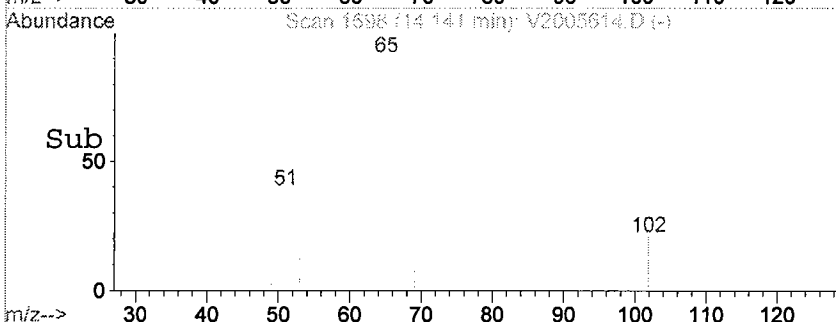
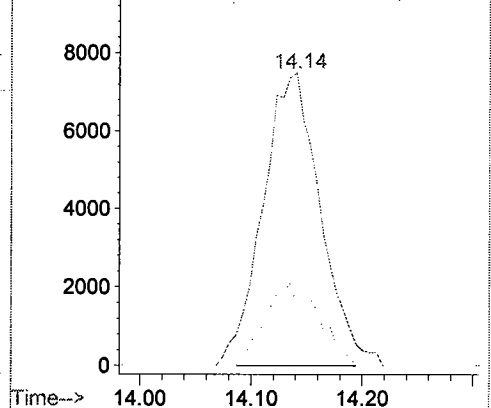


#21
d4-1,2-Dichloroethane (SURR)
Concen: 49.80 ppb
RT: 14.14 min Scan# 1698
Delta R.T. -0.01 min
Lab File: V2005614.D
Acq: 23 Aug 2005 6:18 pm

Tgt Ion	Ratio	Lower	Upper
65	100		
65	100.0	80.0	120.0
102	26.1	21.4	32.2

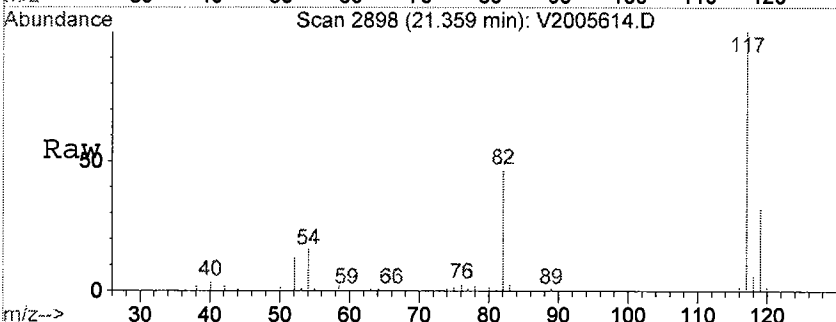


Abundance Ion 65.00 (64.70 to 65.70): V2005614.
Ion 65.00 (64.70 to 65.70): V2005614.
Ion 102.00 (101.70 to 102.70): V2005614.

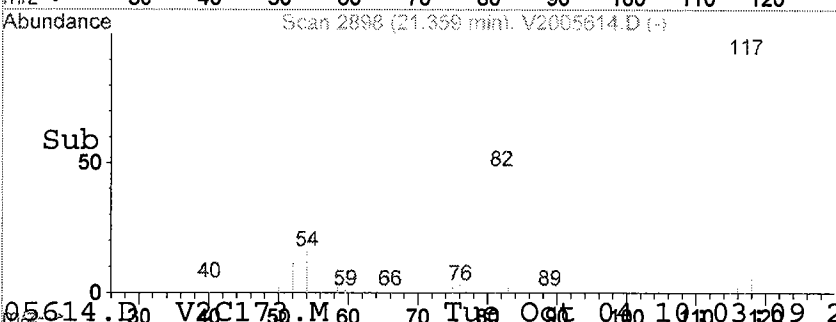
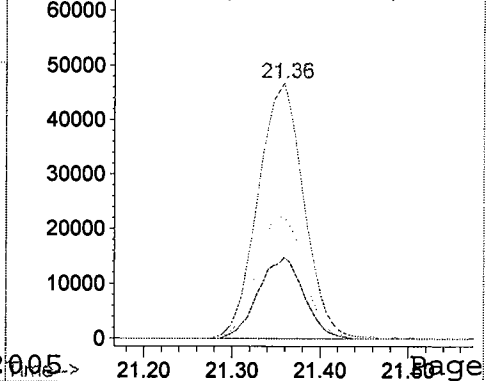


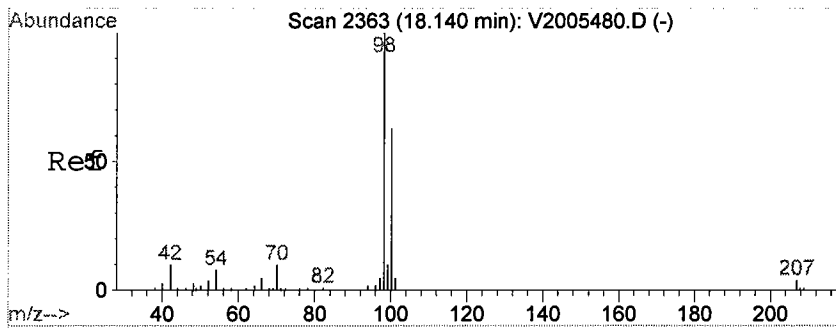
#25
CHLOROBENZENE-d5 (ISTD)
Concen: 50.00 ppb
RT: 21.36 min Scan# 2898
Delta R.T. -0.00 min
Lab File: V2005614.D
Acq: 23 Aug 2005 6:18 pm

Tgt Ion	Ratio	Lower	Upper
117	100		
117	100.0	80.0	120.0
82	49.4	0.0	0.0#
119	0.0	24.6	37.0#



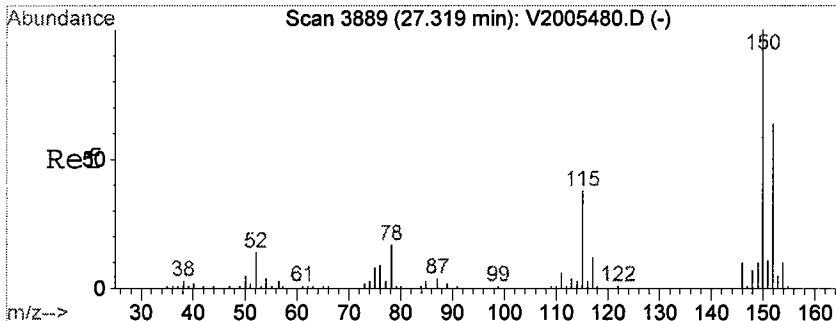
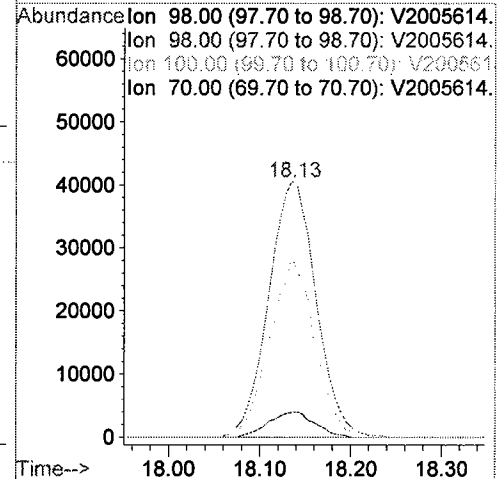
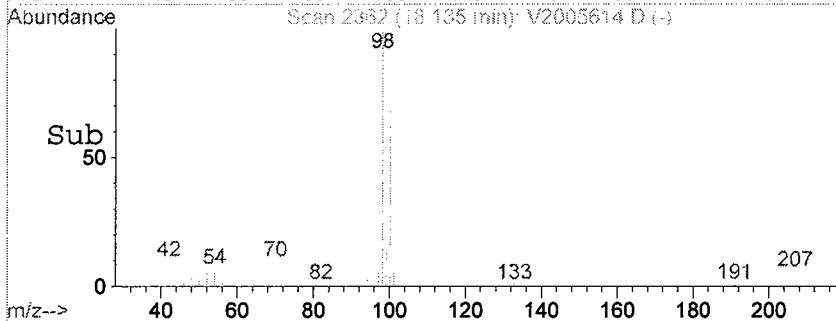
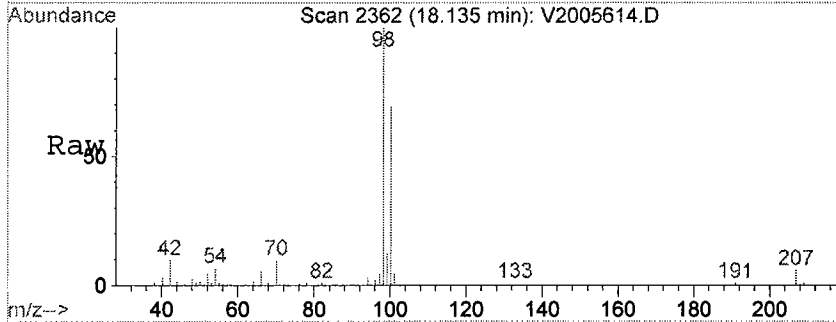
Abundance Ion 117.00 (116.70 to 117.70): V2005614.
Ion 117.00 (116.70 to 117.70): V2005614.
Ion 82.00 (81.70 to 82.70): V2005614.
Ion 119.00 (118.70 to 119.70): V2005614.





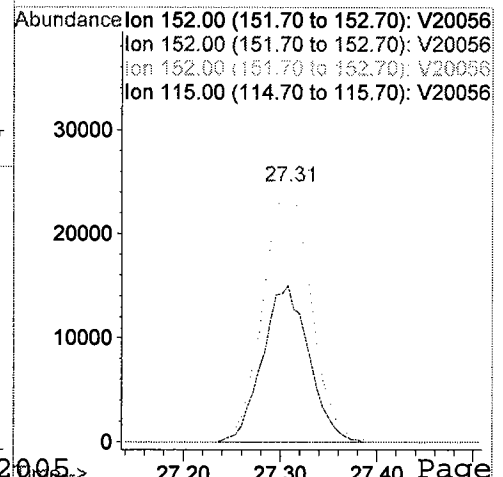
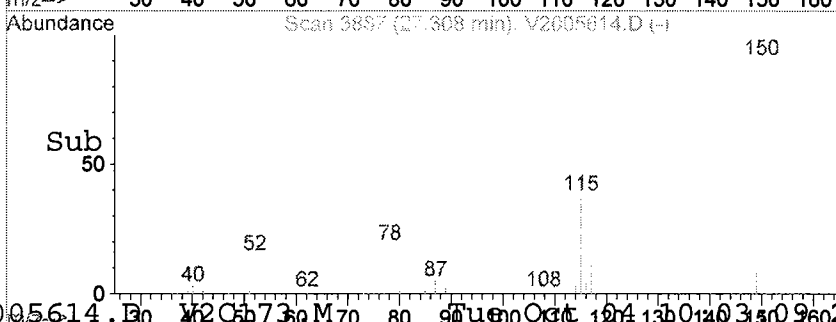
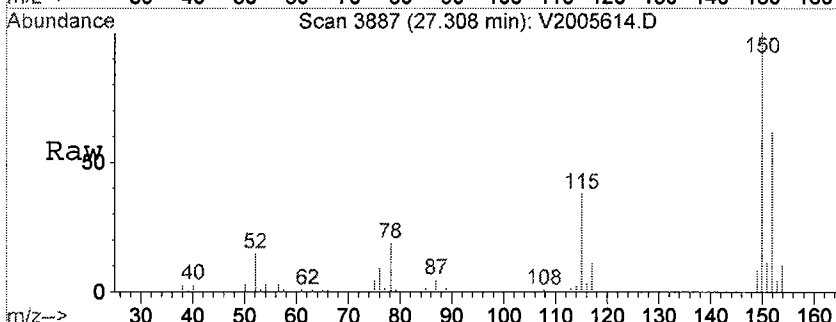
#32
Toluene-d8 (SURR)
Concen: 49.60 ppb
RT: 18.13 min Scan# 2362
Delta R.T. -0.01 min
Lab File: V2005614.D
Acq: 23 Aug 2005 6:18 pm

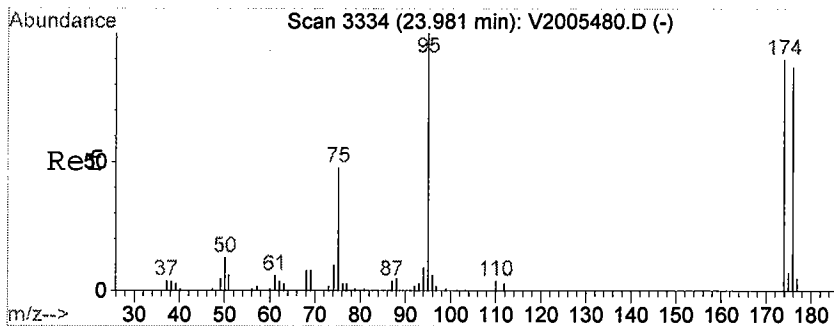
Tgt Ion	Ratio	Lower	Upper
98	100		
98	100.0	80.0	120.0
100	65.9	53.7	80.5
70	9.7	8.0	12.0



#47
1,2-DICHLOROBEZENE-d4 (ISTD)
Concen: 50.00 ppb
RT: 27.31 min Scan# 3887
Delta R.T. -0.01 min
Lab File: V2005614.D
Acq: 23 Aug 2005 6:18 pm

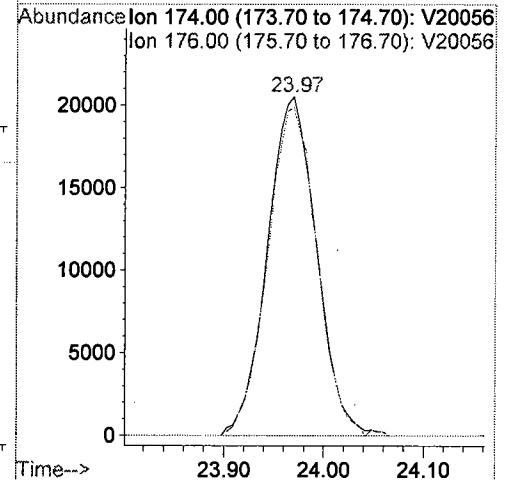
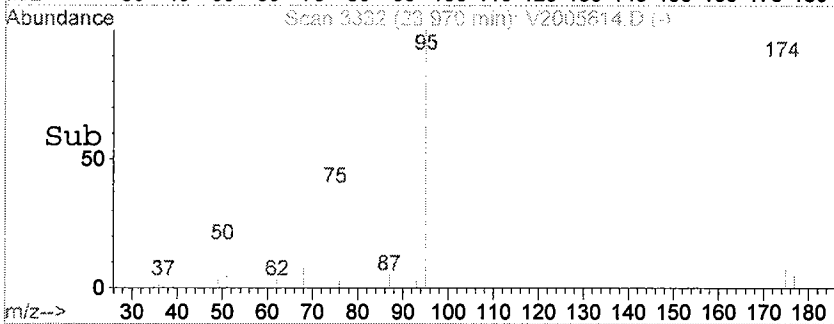
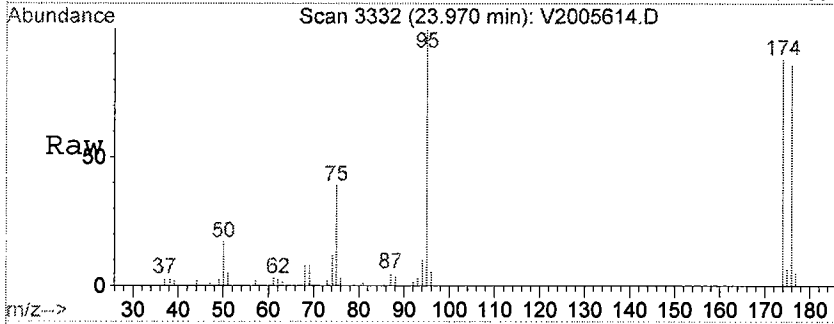
Tgt Ion	Ratio	Lower	Upper
152	100		
152	100.0	80.0	120.0
152	100.0	80.0	120.0
115	0.0	0.0	0.0





#49
 p-Bromofluorobenzene (SURR)
 Concen: 48.52 ppb
 RT: 23.97 min Scan# 3332
 Delta R.T. -0.01 min
 Lab File: V2005614.D
 Acq: 23 Aug 2005 6:18 pm

Tgt Ion:174 Resp: 70131
 Ion Ratio Lower Upper
 174 100
 176 96.9 75.6 113.4



Client Sample ID

Trip Blank

Sample Amount: SOIL=1.0g/WATER=5.0ml

Date Collected: 8/15/05

Sample Type: **WATER**

Matrix: WATER

Date Received: 8/17/05

Dilution Factor: 1.00

Date Analyzed: 8/23/05

SDG: 05080545-01

Level: **LOW**

Lab ID: 05080545-01

Lab File ID: V2005614.D

CONCENTRATION

UNITS:

ug/L

DRY

[illegible]

LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\V2005614.D
Acq On : 23 Aug 2005 6:18 pm
Sample : 05080545-01 \$8260W/VOATICW ASPB
Misc : QBV2082305A
MS Integration Params: RTEINT.P

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

Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
Title : VOCs BY GC/MS 8240/8260
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.5 % of largest Peak
Start Thrs: 0.001 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	7.554	595	603	606	rBV	1702	5092	1.11%	0.232%
2	9.762	957	970	983	rVV4	8077	30038	6.52%	1.369%
3	10.261	1045	1053	1059	rBV2	1173	2989	0.65%	0.136%
4	10.820	1132	1146	1161	rVB2	39771	147735	32.09%	6.732%
5	12.372	1395	1404	1413	rVB2	2902	9188	2.00%	0.419%
6	14.135	1682	1697	1712	rVB2	21613	76169	16.54%	3.471%
7	14.869	1800	1819	1836	rVV2	65726	229691	49.89%	10.466%
8	18.135	2346	2362	2385	rBV2	107916	416922	90.56%	18.998%
9	21.359	2882	2898	2917	rBV3	118636	431153	93.65%	19.647%
10	23.103	3175	3188	3206	rVB2	8642	34105	7.41%	1.554%
11	23.963	3319	3331	3352	rBV	101835	347431	75.47%	15.832%
12	27.308	3872	3887	3905	rBB2	137563	460378	100.00%	20.978%
13	28.980	4162	4165	4170	rVB	6969	3659	0.79%	0.167%

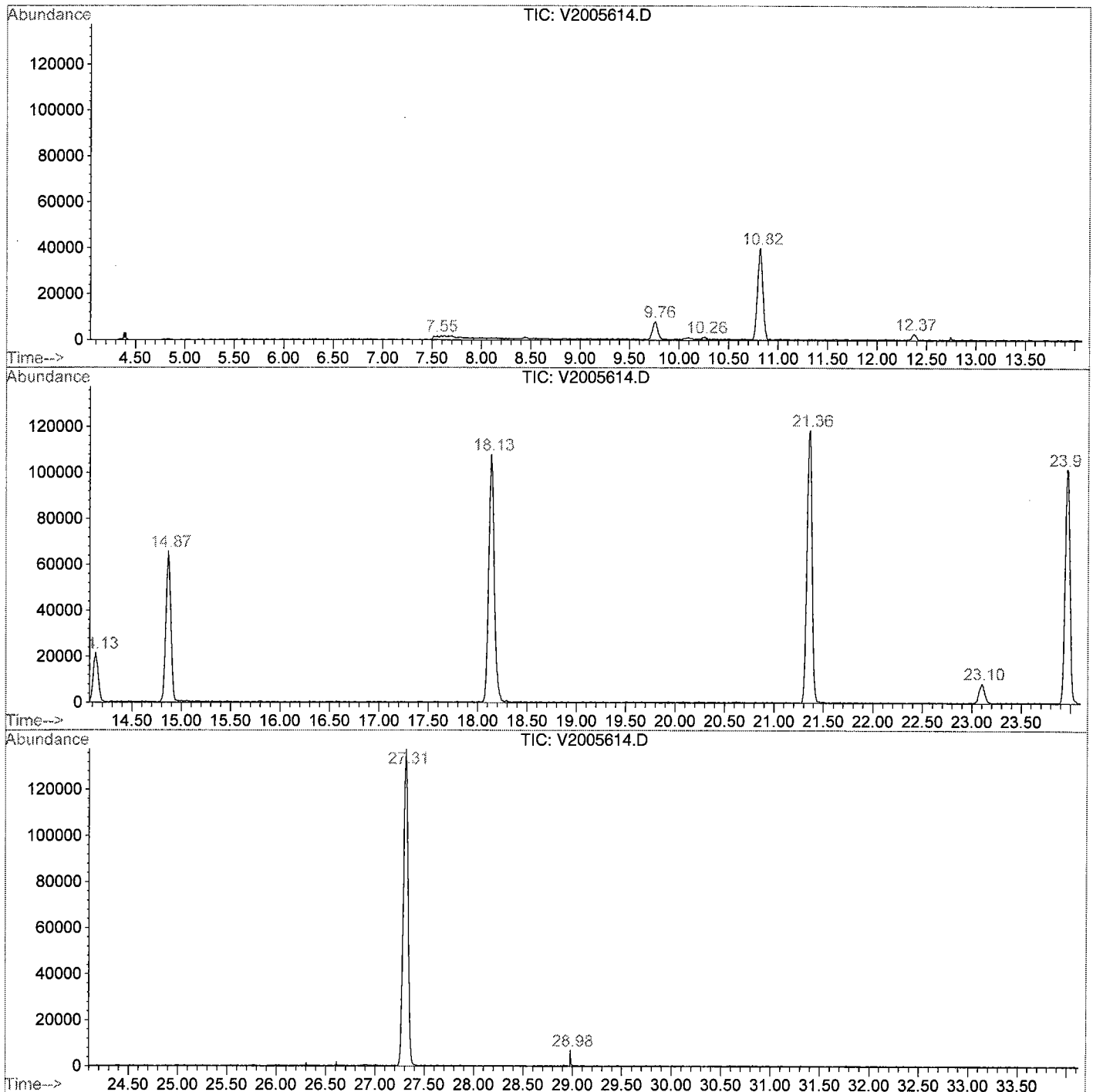
Sum of corrected areas: 2194550

V2005614.D V2C173.M Wed Aug 24 10:47:27 2005

000053

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\V2005614.D
 Operator : SS
 Acquired : 23 Aug 2005 6:18 pm using AcqMethod V2C173
 Instrument : VOA No. 2
 Sample Name: 05080545-01 \$8260W/VOATICW ASPB
 Misc Info : QBV2082305A
 Vial Number: 7
 Quant File :V2C173.RES (RTE Integrator)



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\V2005614.D
Acq On : 23 Aug 2005 6:18 pm
Sample : 05080545-01 \$8260W/VOATICW ASPB
Misc : QBV2082305A
MS Integration Params: RTEINT.P

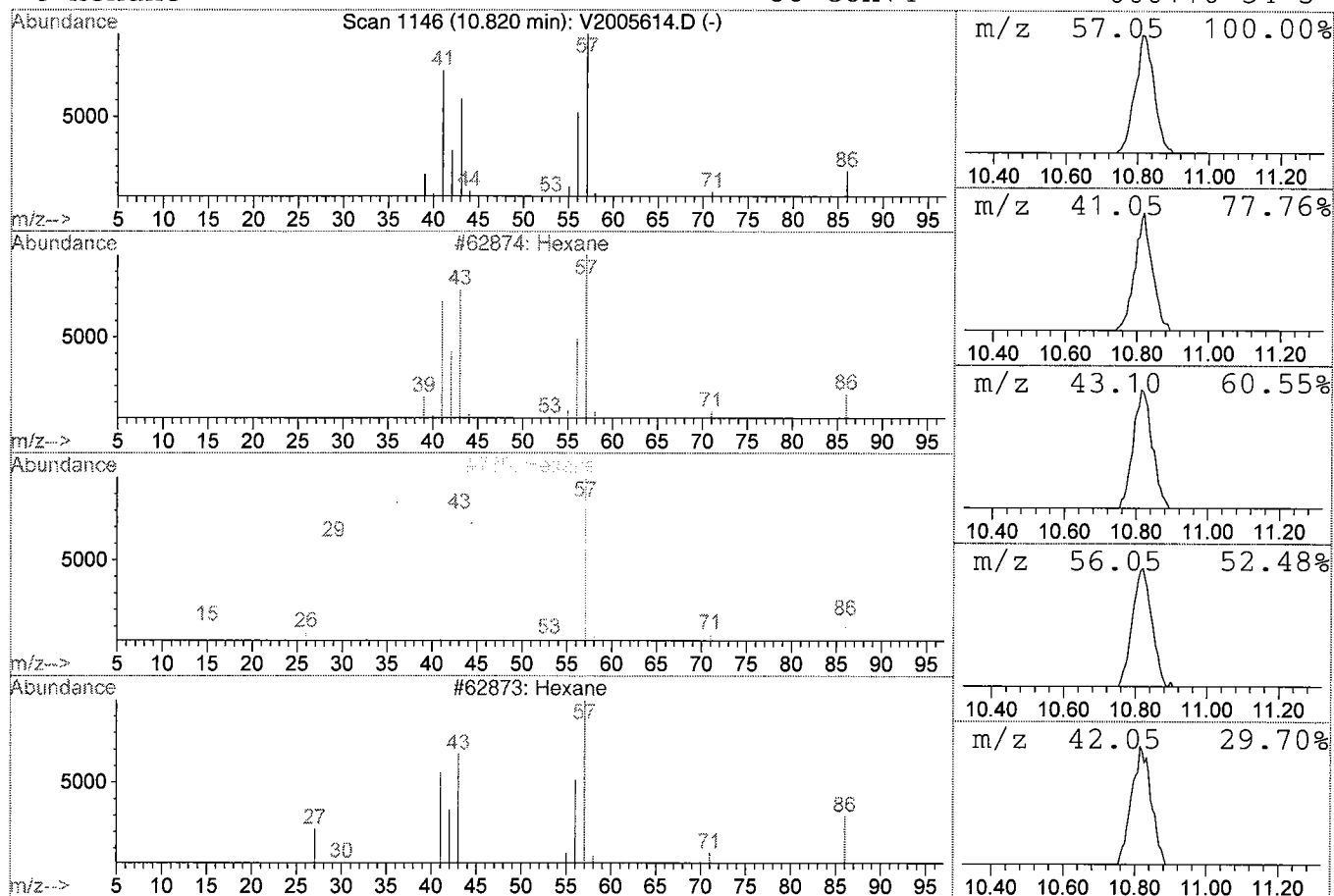
Vial: 7
Operator: SS
Inst : VOA No. 2
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
Title : VOCs BY GC/MS 8240/8260
Library : C:\DATABASE\NBS75K.L

Peak Number 1 Hexane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.82	32.16 ppb	147735	FLUOROBENZENE(ISTD)	14.87

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane			86	C6H14	000110-54-3	72
2	Hexane			86	C6H14	000110-54-3	72
3	Hexane			86	C6H14	000110-54-3	72
4	Hexane			86	C6H14	000110-54-3	56



Tentatively Identified Compound (LSC) summary

Operator ID: SS Date Acquired: 23 Aug 2005 6:18 pm
 Data File: C:\HPCHEM\1\DATA\V2005614.D
 Name: 05080545-01 \$8260W/VOATICW ASPB
 Misc: QBV2082305A
 Method: C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
 Title: VOCs BY GC/MS 8240/8260
 Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc Units	Area	IntStd	ISRT	ISArea	ISConc
Hexane	10.82	32.2 ppb	147735	ISTD01	14.87	229691	50.0

V2005614.D V2C173.M Wed Aug 24 10:47:35 2005

Client Sample ID

MW-8D

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

Matrix: WATER

Dilution Factor: 1.0

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

Date Collected: 8/15/05

Date Received: 8/17/05

Date Analyzed: 8/23/05

Level: LOW

Sample Type: WATER

SDG: 05080545

Lab ID: 05080545-02

Lab File ID: V2005615.D

CONCENTRATION
UNITS: ug/L

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
MW-8D	05080545-02	Benzene	1 U
MW-8D	05080545-02	Bromobenzene	1 U
MW-8D	05080545-02	Bromochloromethane	1 U
MW-8D	05080545-02	Bromodichloromethane	1 U
MW-8D	05080545-02	Bromoform	1 U
MW-8D	05080545-02	Bromomethane	1 U
MW-8D	05080545-02	n-Butylbenzene	1 U
MW-8D	05080545-02	sec-Butylbenzene	1 U
MW-8D	05080545-02	tert-Butylbenzene	1 U
MW-8D	05080545-02	Carbon tetrachloride	1 U
MW-8D	05080545-02	Chlorobenzene	1 U
MW-8D	05080545-02	Chloroethane	1 U
MW-8D	05080545-02	Chloroform	1 U
MW-8D	05080545-02	1-Chlorohexane	1 U
MW-8D	05080545-02	Chloromethane	1 U
MW-8D	05080545-02	2-Chlorotoluene	1 U
MW-8D	05080545-02	4-Chlorotoluene	1 U
MW-8D	05080545-02	Dibromochloromethane	1 U
MW-8D	05080545-02	1,2-Dibromo-3-chloropropane	1 U
MW-8D	05080545-02	1,2-Dibromoethane	1 U
MW-8D	05080545-02	Dibromomethane	1 U
MW-8D	05080545-02	1,2-Dichlorobenzene	1 U
MW-8D	05080545-02	1,3-Dichlorobenzene	1 U
MW-8D	05080545-02	1,4-Dichlorobenzene	1 U
MW-8D	05080545-02	Dichlorodifluoromethane	1 U
MW-8D	05080545-02	1,1-Dichloroethane	1 U
MW-8D	05080545-02	1,2-Dichloroethane	1 U
MW-8D	05080545-02	1,1-Dichloroethylene	1 U
MW-8D	05080545-02	1,2-Dichloroethylene (Total)	1 U
MW-8D	05080545-02	1,2-Dichloropropane	1 U
MW-8D	05080545-02	1,3-Dichloropropane	1 U
MW-8D	05080545-02	2,2-Dichloropropane	1 U
MW-8D	05080545-02	1,1-Dichloropropylene	1 U

Client Sample ID

MW-8D

CONCENTRATION
UNITS: ug/L

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
MW-8D	05080545-02	cis-1,3-Dichloropropylene	1 U
MW-8D	05080545-02	trans-1,3-Dichloropropylene	1 U
MW-8D	05080545-02	Ethylbenzene	1 U
MW-8D	05080545-02	Hexachlorobutadiene	1 U
MW-8D	05080545-02	Isopropylbenzene	1 U
MW-8D	05080545-02	p-Isopropyltoluene	1 U
MW-8D	05080545-02	Methylene chloride	3 B
MW-8D	05080545-02	Naphthalene	1 U
MW-8D	05080545-02	n-Propylbenzene	1 U
MW-8D	05080545-02	Styrene	1 U
MW-8D	05080545-02	1,1,1,2-Tetrachloroethane	1 U
MW-8D	05080545-02	1,1,2,2-Tetrachloroethane	1 U
MW-8D	05080545-02	Tetrachloroethylene	6
MW-8D	05080545-02	Toluene	1 U
MW-8D	05080545-02	1,2,3-Trichlorobenzene	1 U
MW-8D	05080545-02	1,2,4-Trichlorobenzene	1 U
MW-8D	05080545-02	1,1,1-Trichloroethane	2
MW-8D	05080545-02	1,1,2-Trichloroethane	1 U
MW-8D	05080545-02	Trichloroethylene	1 U
MW-8D	05080545-02	Trichlorofluoromethane	1 U
MW-8D	05080545-02	1,2,3-Trichloropropane	1 U
MW-8D	05080545-02	1,2,3-Trimethylbenzene	1 U
MW-8D	05080545-02	1,2,4-Trimethylbenzene	1 U
MW-8D	05080545-02	1,3,5-Trimethylbenzene	1 U
MW-8D	05080545-02	Vinyl chloride	1 U
MW-8D	05080545-02	o-Xylene	1 U
MW-8D	05080545-02	p- & m-Xylenes	1 U
MW-8D	05080545-02	MTBE	1

Data File : C:\HPCHEM\1\DATA\V2005615.D
Acq On : 23 Aug 2005 6:59 pm
Sample : 05080545-02 \$8260W/VOATICW ASPB
Misc : QBV2082305A
MS Integration Params: rteint.p
Quant Time: Oct 4 10:03 19105

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

Quant Results File: V2C173.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
Title : VOCs BY GC/MS 8240/8260
Last Update : Thu Aug 18 08:08:33 2005
Response via : Initial Calibration
DataAcq Meth : V2C173

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.88	70	25697	50.00	ppb	0.00
25) CHLOROBENZENE-d5(ISTD)	21.36	117	178236	50.00	ppb	0.00
47) 1,2-DICHLOROBENZENE-d4(IST	27.31	152	86017	50.00	ppb	0.00

System Monitoring Compounds

21) d4-1,2-Dichloroethane(SURR	14.15	65	28133	48.10	ppb	0.00
Spiked Amount	50.000	Range	37 - 128	Recovery	=	96.20%
32) Toluene-d8(SURR)	18.15	98	153351	48.90	ppb	0.00
Spiked Amount	50.000	Range	40 - 61	Recovery	=	97.80%#
49) p-Bromofluorobenzene(SURR)	23.98	174	74556	50.60	ppb	0.00
Spiked Amount	50.000	Range	39 - 68	Recovery	=	101.20%#

Target Compounds

						Qvalue
11) Methylene Chloride	9.77	49	8948	2.55	ppb	# 55
12) tert-Butyl Methyl Ether (M	10.26	73	5528	1.03	ppb	# 92
19) 1,1,1-Trichloroethane	13.66	97	6778	2.18	ppb	# 96
37) Tetrachloroethylene	19.75	166	15538	5.54	ppb	# 64

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

Data File : C:\HPCHEM\1\DATA\V2005615.D

Vial: 8

Acq On : 23 Aug 2005 6:59 pm

Operator: SS

Sample : 05080545-02 \$8260W/VOATICW ASPB

Inst : VOA No. 2

Misc : QBV2082305A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Oct 4 10:03 19105

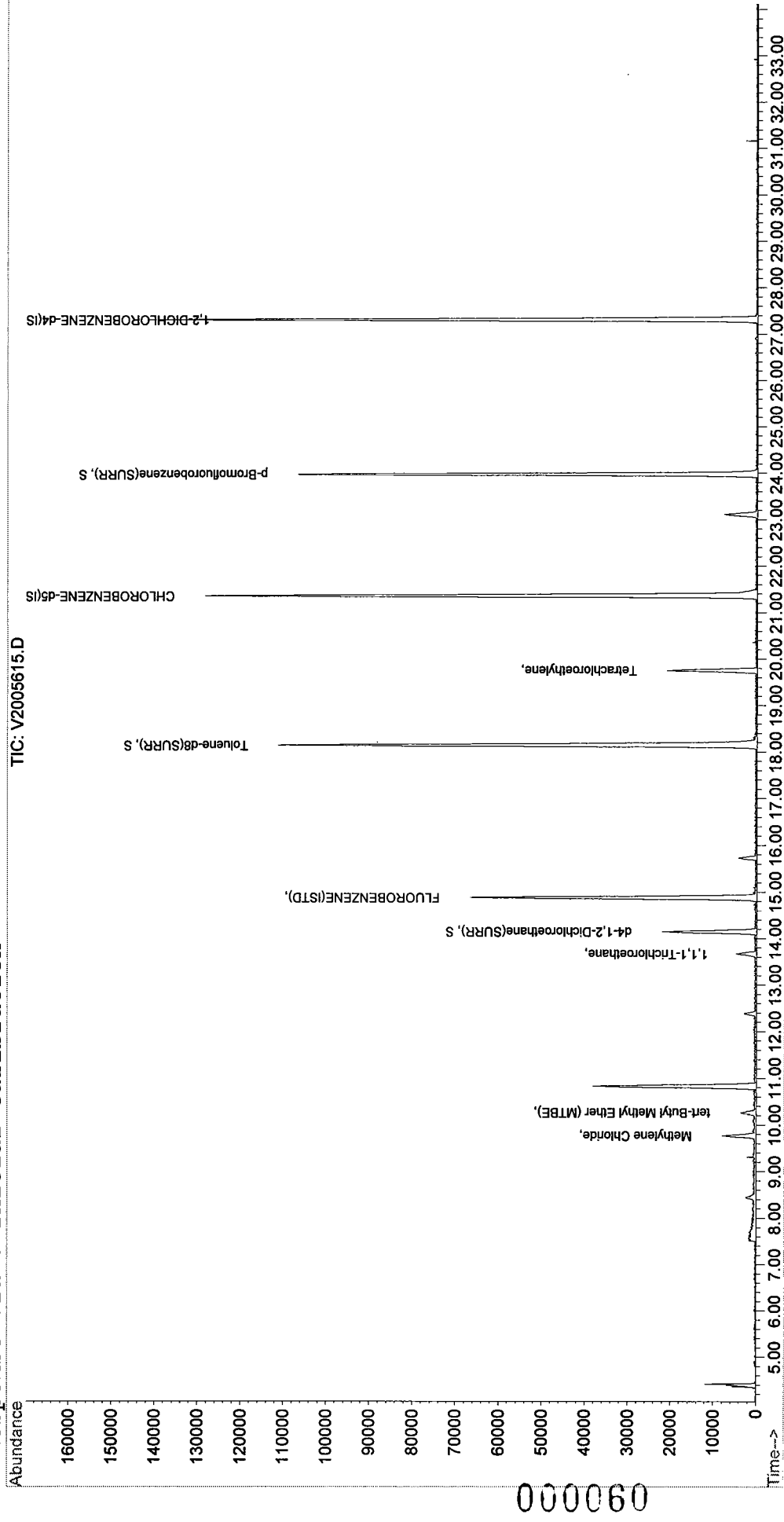
Quant Results File: V2C173.RES

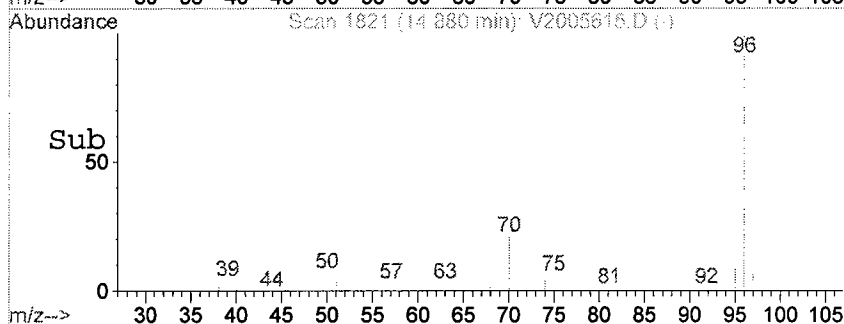
Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Thu Aug 18 08:08:33 2005

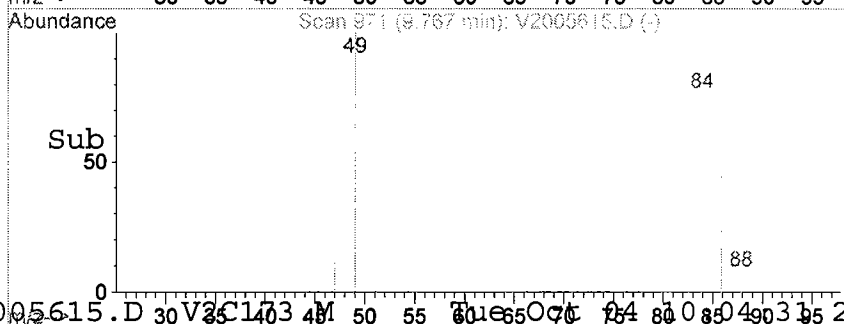
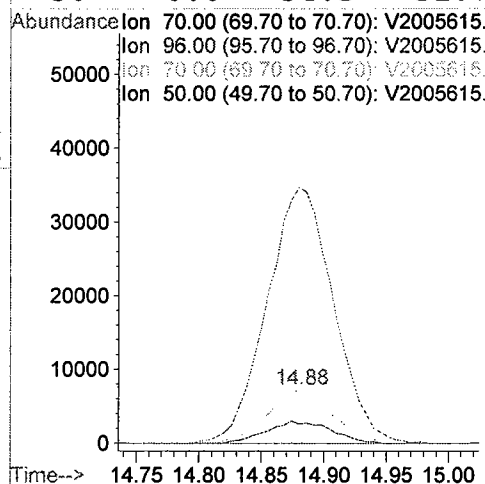
Response via : Initial Calibration





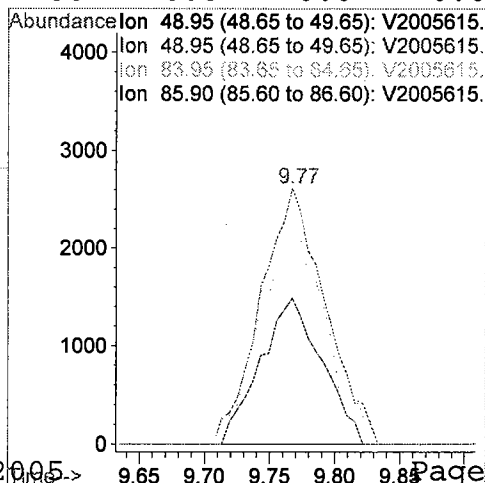
```
#1
FLUOROBENZENE(ISTD)
Concen: 50.00 ppb
RT: 14.88 min   Scan# 1821
Delta R.T.     -0.00 min
Lab File:      V2005615.D
Acq: 23 Aug 2005   6:59 pm
```

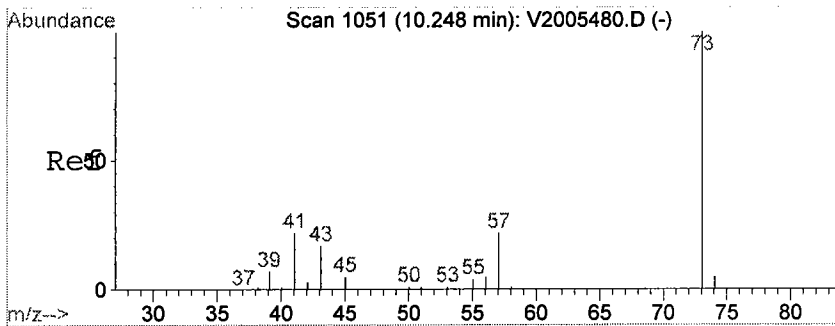
Tgt	Ion: 70	Resp:	25697
Ion	Ratio	Lower	Upper
70	100		
96	498.1	404.2	606.2
70	100.0	80.0	120.0
50	0.0	34.5	51.7#



```
#11
Methylene Chloride
Concen: 2.55 ppb
RT: 9.77 min   Scan# 971
Delta R.T.    0.00 min
Lab File:     V2005615.D
Acq: 23 Aug 2005    6:59 pm
```

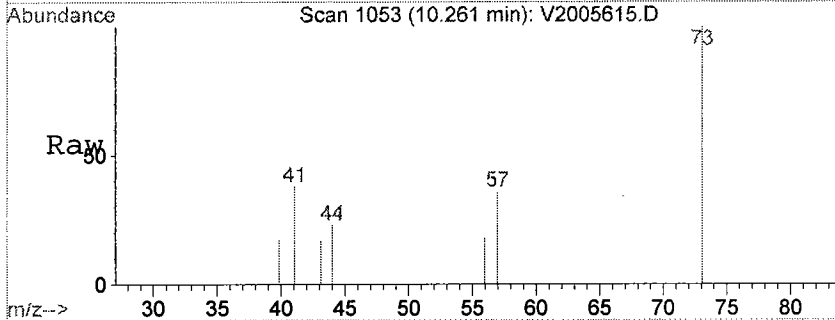
Tgt	Ion: 49	Resp:	8948
Ion	Ratio	Lower	Upper
49	100		
49	100.0	80.0	120.0
84	0.0	71.8	107.8#
86	0.0	0.0	0.0





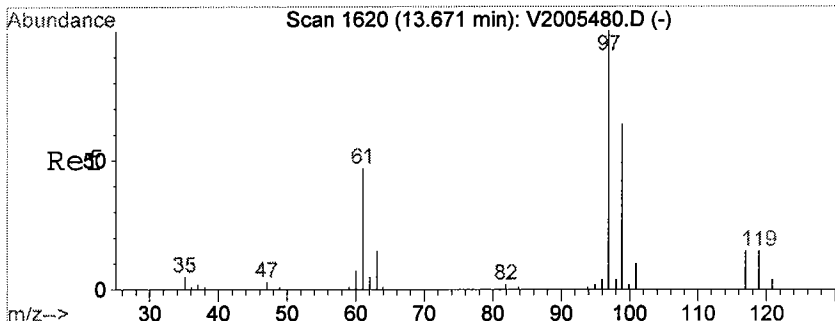
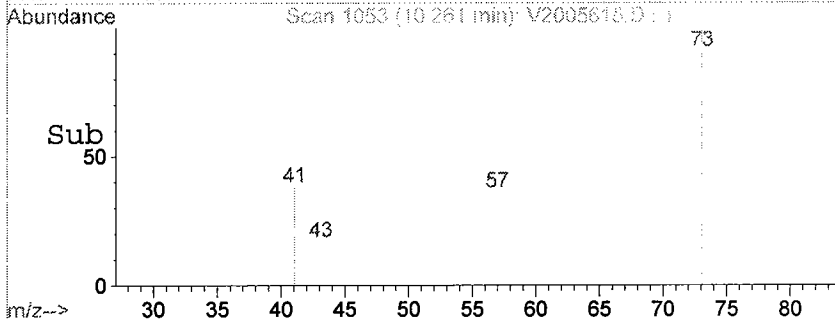
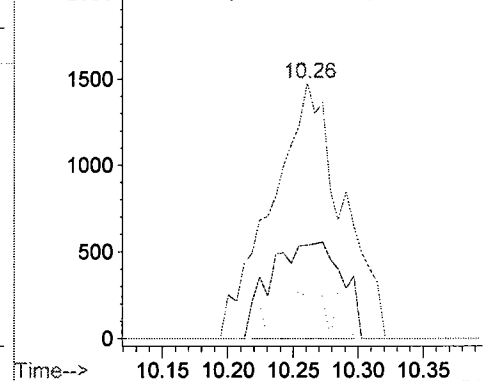
#12
 tert-Butyl Methyl Ether (MTBE)
 Concen: 1.03 ppb
 RT: 10.26 min Scan# 1053
 Delta R.T. 0.02 min
 Lab File: V2005615.D
 Acq: 23 Aug 2005 6:59 pm

Tgt Ion	Ratio	Lower	Upper
73	100		
73	100.0	80.0	120.0
43	13.4	13.4	20.2#
57	0.0	17.2	25.8#



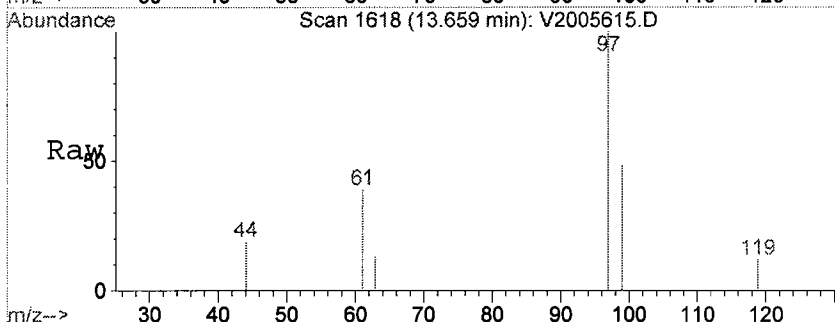
Abundance

Ion 73.00 (72.70 to 73.70): V2005615.
 Ion 73.00 (72.70 to 73.70): V2005615.
 Ion 43.00 (42.70 to 43.70): V2005615.
 Ion 57.00 (56.70 to 57.70): V2005615.



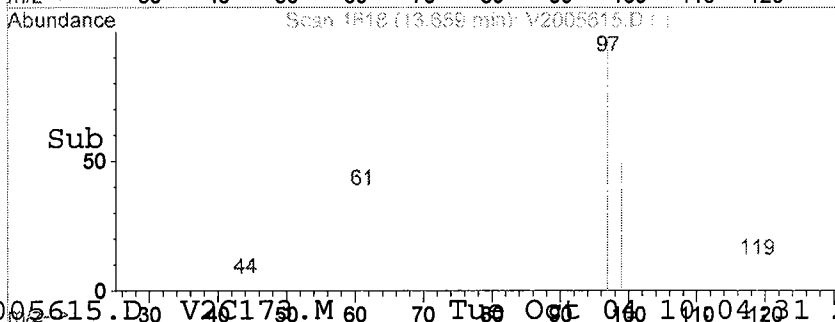
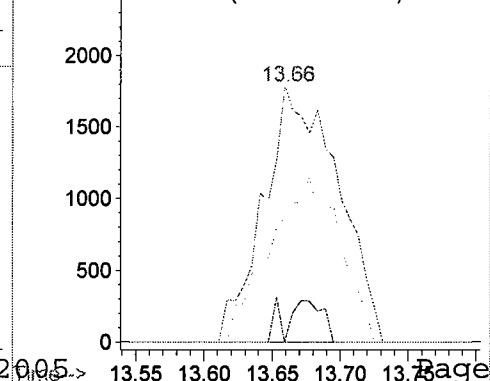
#19
 1,1,1-Trichloroethane
 Concen: 2.18 ppb
 RT: 13.66 min Scan# 1618
 Delta R.T. -0.02 min
 Lab File: V2005615.D
 Acq: 23 Aug 2005 6:59 pm

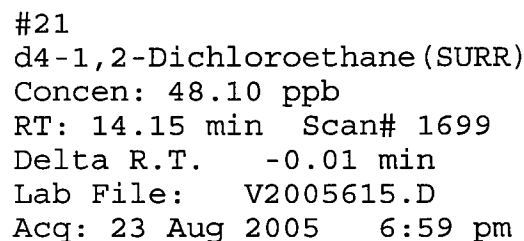
Tgt Ion	Ratio	Lower	Upper
97	100		
97	100.0	80.0	120.0
99	60.4	52.3	78.5
117	6.6	12.4	18.6#



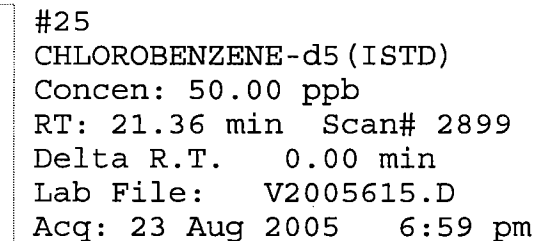
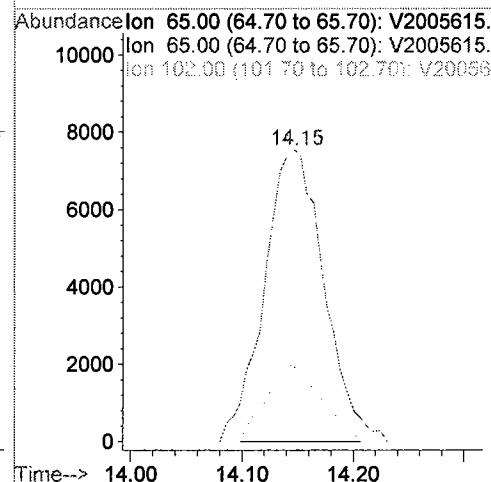
Abundance

Ion 96.95 (96.65 to 97.65): V2005615.
 Ion 96.95 (96.65 to 97.65): V2005615.
 Ion 99.90 (99.60 to 99.60): V2005615.
 Ion 117.00 (116.70 to 117.70): V2005615.

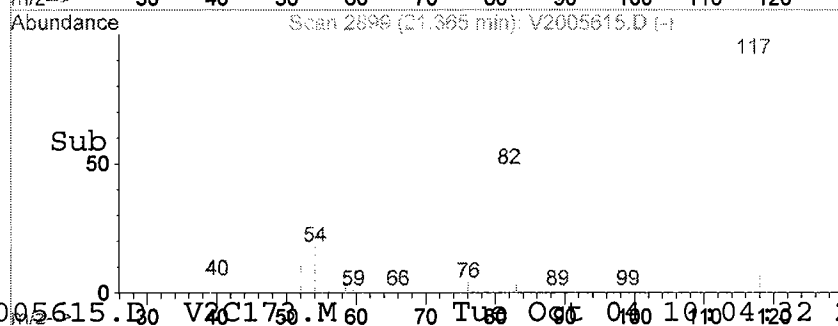
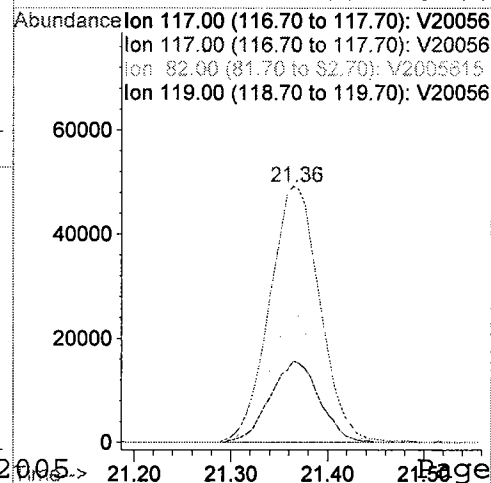




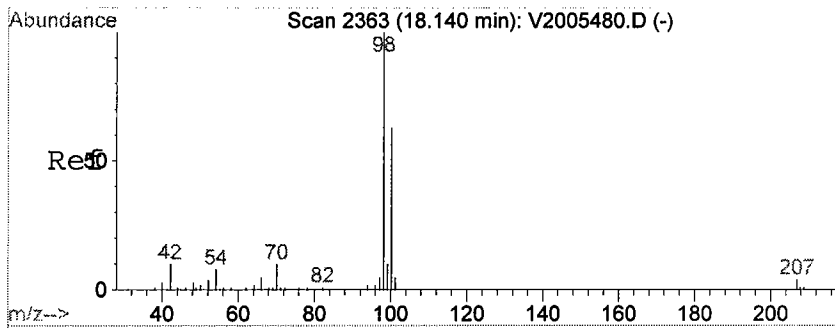
Tgt	Ion: 65	Resp:	28133
Ion	Ratio	Lower	Upper
65	100		
65	100.0	80.0	120.0
102	24.7	21.4	32.2



Tgt	Ion:117	Resp:	178236
Ion	Ratio	Lower	Upper
117	100		
117	100.0	80.0	120.0
82	0.0	0.0	0.0
119	0.0	24.6	37.0#

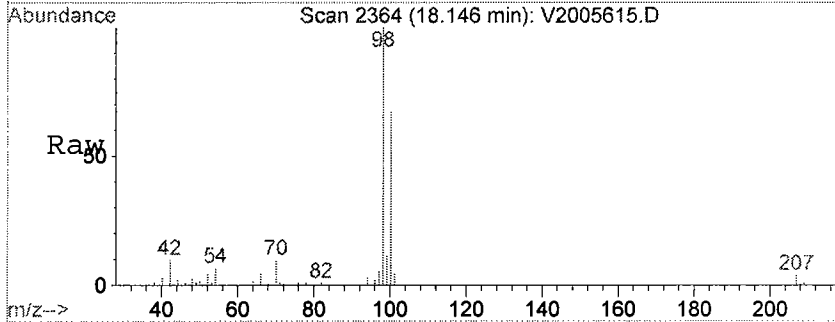


000063



#32
Toluene-d8 (SURRE)
Concen: 48.90 ppb
RT: 18.15 min Scan# 2364
Delta R.T. -0.00 min
Lab File: V2005615.D
Acq: 23 Aug 2005 6:59 pm

Tgt Ion	Ratio	Lower	Upper
98	100		
98	100.0	80.0	120.0
100	67.6	53.7	80.5
70	0.0	8.0	12.0



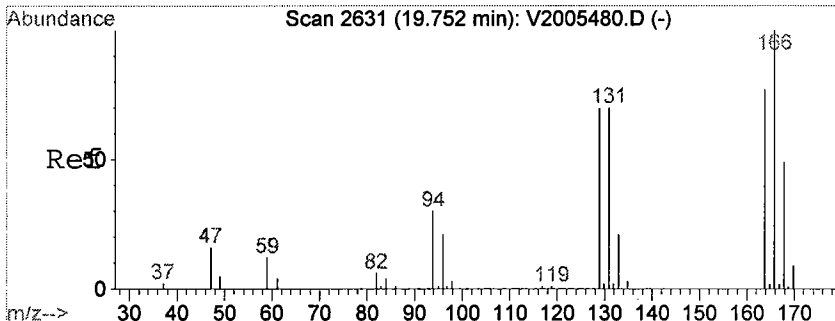
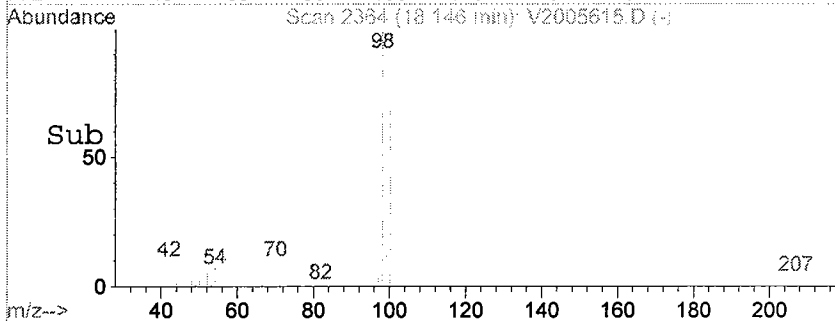
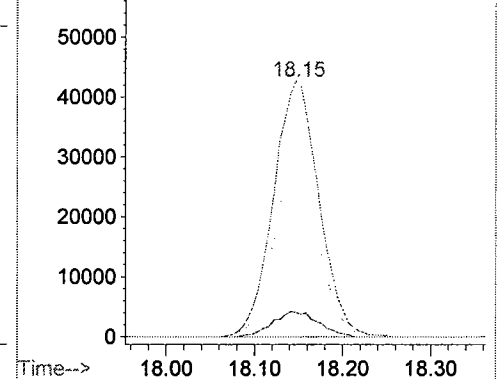
Abundance

Ion 98.00 (97.70 to 98.70): V2005615.

Ion 98.00 (97.70 to 98.70): V2005615.

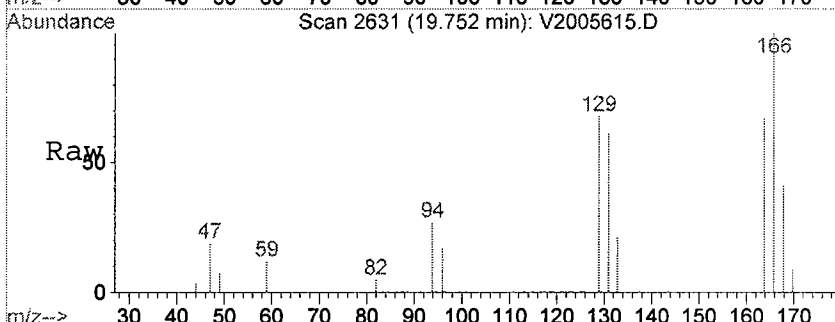
Ion 100.00 (99.70 to 100.70): V2005615.

Ion 70.00 (69.70 to 70.70): V2005615.



#37
Tetrachloroethylene
Concen: 5.54 ppb
RT: 19.75 min Scan# 2631
Delta R.T. -0.00 min
Lab File: V2005615.D
Acq: 23 Aug 2005 6:59 pm

Tgt Ion	Ratio	Lower	Upper
166	100		
166	100.0	80.0	120.0
164	76.6	0.0	0.0
129	0.0	56.6	85.0



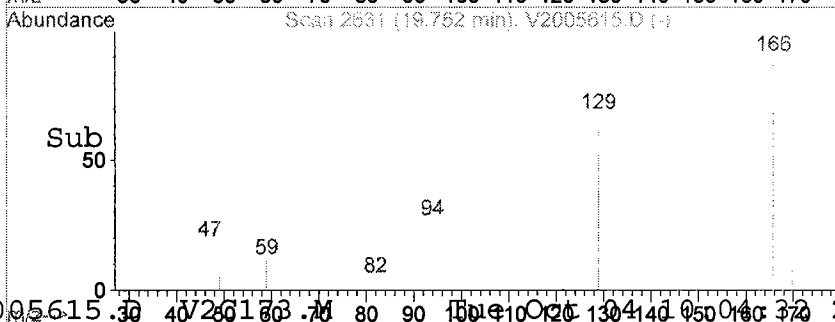
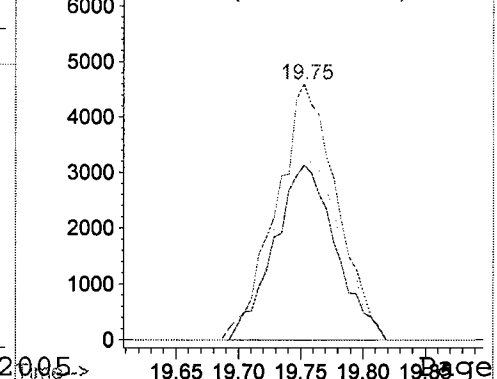
Abundance

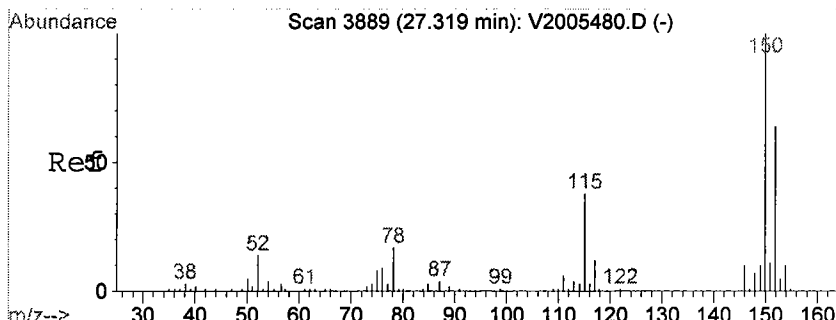
Ion 165.85 (165.55 to 166.55): V20056

Ion 165.85 (165.55 to 166.55): V20056

Ion 163.80 (163.50 to 164.50): V20056

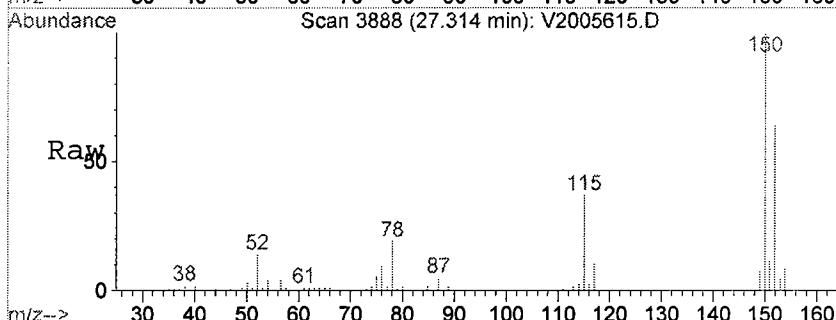
Ion 128.80 (128.50 to 129.50): V20056





#47
 1,2-DICHLOROBENZENE-d4 (ISTD)
 Concen: 50.00 ppb
 RT: 27.31 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: V2005615.D
 Acq: 23 Aug 2005 6:59 pm

Tgt 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

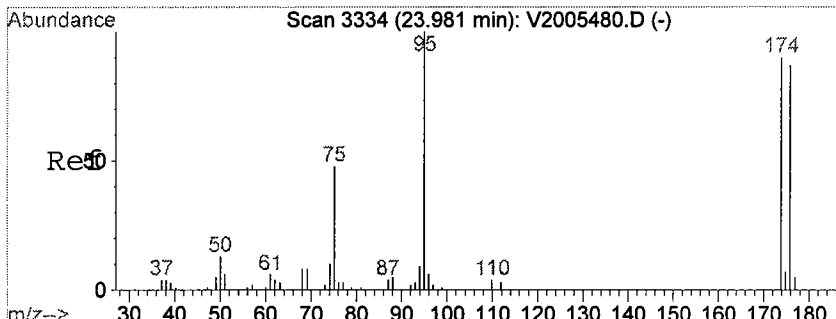
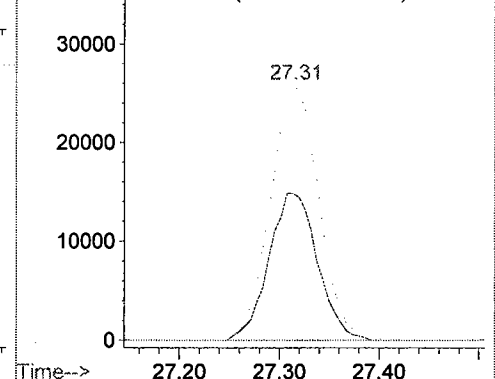
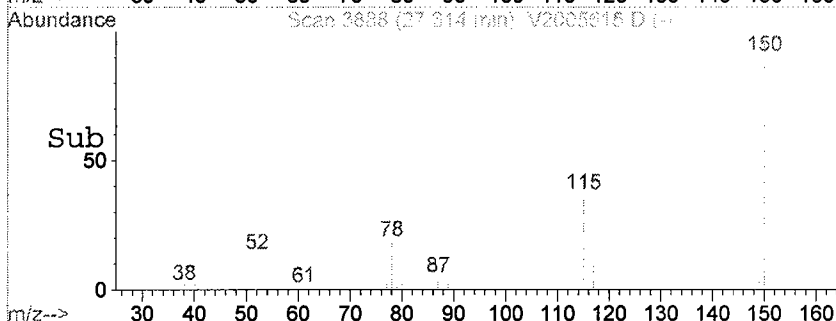
Ion 152.00 (151.70 to 152.70): V20056

40000

Ion 152.00 (151.70 to 152.70): V20056

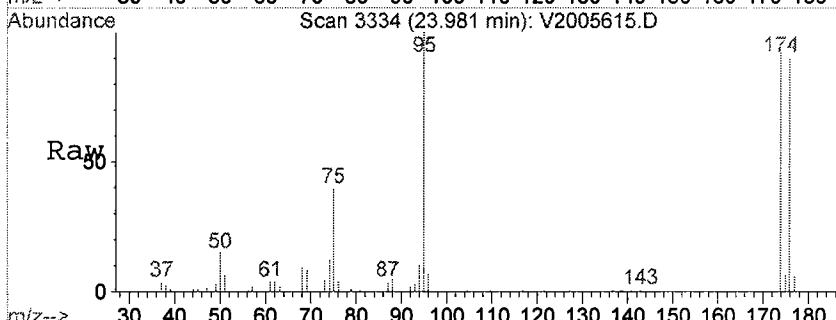
Ion 152.00 (151.70 to 152.70): V20056

Ion 115.00 (114.70 to 115.70): V20056



#49
 p-Bromofluorobenzene (SURR)
 Concen: 50.60 ppb
 RT: 23.98 min Scan# 3334
 Delta R.T. 0.00 min
 Lab File: V2005615.D
 Acq: 23 Aug 2005 6:59 pm

Tgt Ion	Ratio	Lower	Upper
174	100		
176	96.9	75.6	113.4

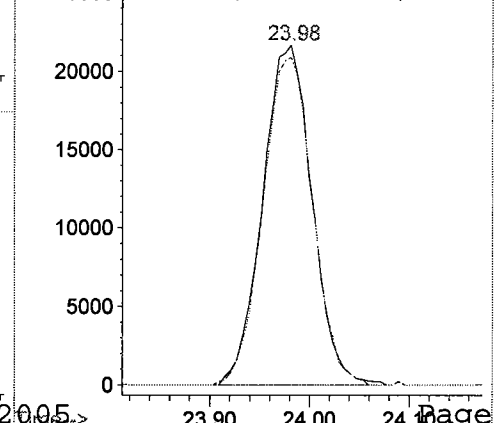
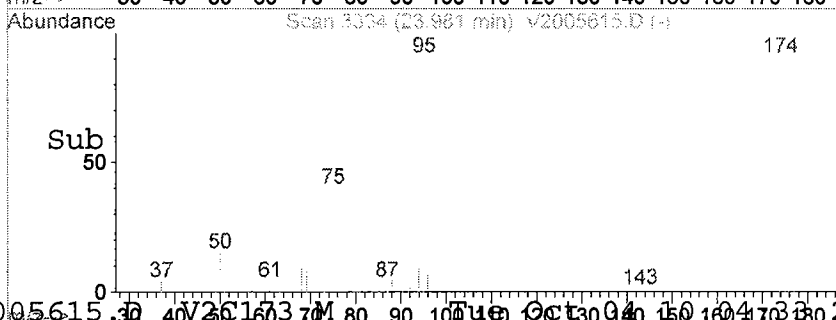


Abundance

Ion 174.00 (173.70 to 174.70): V20056

25000

Ion 176.00 (175.70 to 176.70): V20056



Client Sample ID

MW-8D

Sample Amount: SOIL=1.0g/WATER=5.0ml

Date Collected: 8/15/05

Sample Type: **WATER**

Matrix: WATER

Date Received: 8/17/05

Dilution Factor: 1.00

Date Analyzed: 8/23/05

SDG: 05080545-02

Level: **LOW**

Lab ID: 05080545-02

Lab File ID: V2005615.D

CONCENTRATION
UNITS: ug/L DRY

[illegible]

LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\V2005615.D
Acq On : 23 Aug 2005 6:59 pm
Sample : 05080545-02 \$8260W/VOATICW ASPB
Misc : QBV2082305A
MS Integration Params: RTEINT.P

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

Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
Title : VOCs BY GC/MS 8240/8260
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.5 % of largest Peak
Start Thrs: 0.001 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	4.365	50	56	57	rBV	5512	3660	0.78%	0.151%
2	4.399	57	62	64	rVV	6962	13277	2.81%	0.547%
3	4.423	64	66	72	rVB	11927	9200	1.95%	0.379%
4	7.518	592	597	600	rBV	1756	2954	0.63%	0.122%
5	8.444	739	751	764	rVB3	2058	7858	1.67%	0.324%
6	9.767	960	971	983	rBV3	7594	26670	5.65%	1.099%
7	10.261	1042	1053	1068	rVB4	3424	13260	2.81%	0.547%
8	10.826	1133	1147	1162	rBV3	37880	144850	30.71%	5.970%
9	12.390	1396	1407	1420	rVB3	2857	11010	2.33%	0.454%
10	13.671	1606	1620	1631	rVB3	4571	16495	3.50%	0.680%
11	14.146	1687	1699	1715	rBV2	22095	79984	16.96%	3.297%
12	14.880	1803	1821	1836	rBV	66692	244169	51.76%	10.063%
13	15.728	1954	1962	1972	rBV4	4299	14232	3.02%	0.587%
14	18.146	2349	2364	2387	rBV2	111314	428175	90.77%	17.647%
15	19.752	2617	2631	2644	rBB3	21045	75078	15.92%	3.094%
16	21.365	2883	2899	2922	rBB2	128375	465997	98.79%	19.206%
17	23.115	3173	3190	3203	rBV3	7791	31809	6.74%	1.311%
18	23.975	3321	3333	3353	rVB2	106751	365917	77.57%	15.081%
19	27.314	3875	3888	3902	rBV2	141288	471727	100.00%	19.442%

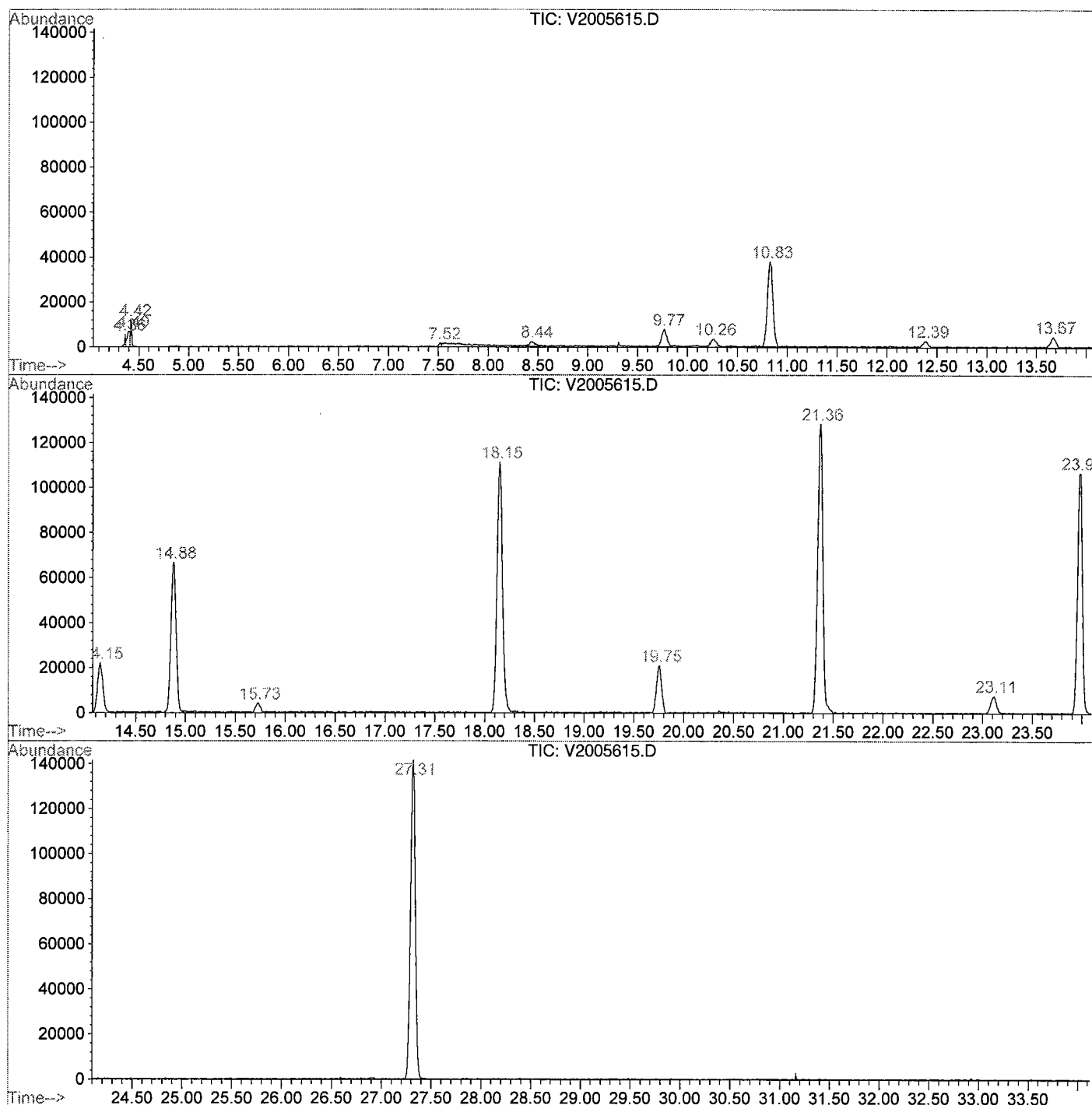
Sum of corrected areas: 2426322

V2005615.D V2C173.M Wed Aug 24 10:47:59 2005

000067

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\V2005615.D
 Operator : SS
 Acquired : 23 Aug 2005 6:59 pm using AcqMethod V2C173
 Instrument : VOA No. 2
 Sample Name: 05080545-02 \$8260W/VOATICW ASPB
 Misc Info : QBV2082305A
 Vial Number: 8
 Quant File :V2C173.RES (RTE Integrator)



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\V2005615.D

Acq On : 23 Aug 2005 6:59 pm

Sample : 05080545-02 \$8260W/VOATICW ASPB

Misc : QBV2082305A

MS Integration Params: RTEINT.P

Vial: 8

Operator: SS

Inst : VOA No. 2

Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

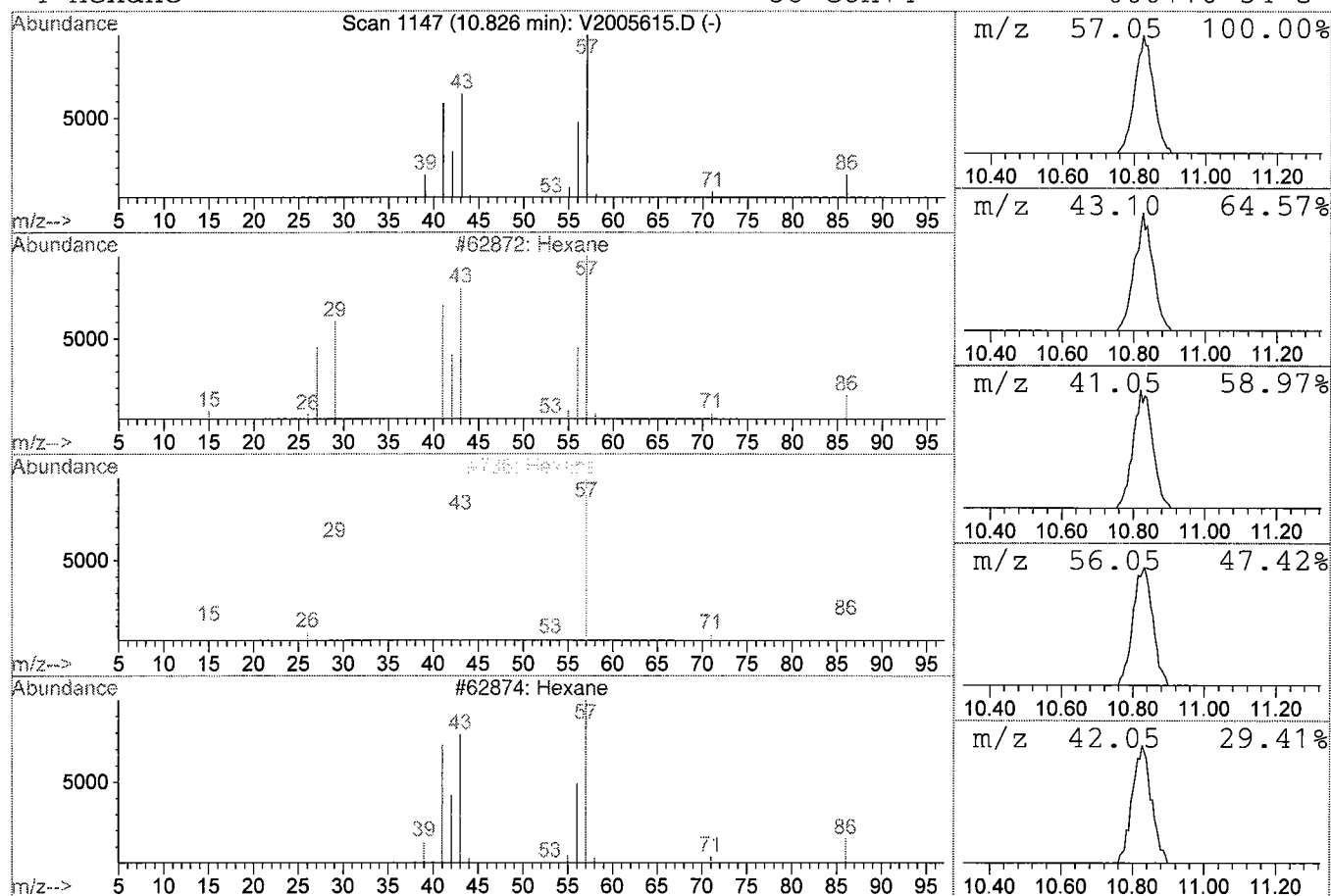
Title : VOCs BY GC/MS 8240/8260

Library : C:\DATABASE\NBS75K.L

Peak Number 1 Hexane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.83	29.66 ppb	144850	FLUOROBENZENE(ISTD)	14.88

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane			86	C6H14	000110-54-3	91
2	Hexane			86	C6H14	000110-54-3	91
3	Hexane			86	C6H14	000110-54-3	91
4	Hexane			86	C6H14	000110-54-3	83



Tentatively Identified Compound (LSC) summary

Operator ID: SS Date Acquired: 23 Aug 2005 6:59 pm
Data File: C:\HPCHEM\1\DATA\V2005615.D
Name: 05080545-02 \$8260W/VOATICW ASPB
Misc: QBV2082305A
Method: C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
Title: VOCs BY GC/MS 8240/8260
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc Units	Area	IntStd	ISRT	ISArea	ISConc
Hexane	10.83	29.7 ppb	144850	ISTD01	14.88	244169	50.0

V2005615.D V2C173.M Wed Aug 24 10:48:09 2005

Client Sample ID

MW-12

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

Date Collected: 8/15/05

Sample Type: WATER

Matrix: WATER

Date Received: 8/17/05

SDG: 05080545

Dilution Factor: 1.0

Date Analyzed: 8/23/05

Lab ID: 05080545-03

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

Level: LOW

Lab File ID: V2005616.D

CONCENTRATION
UNITS: ug/L

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
MW-12	05080545-03	Benzene	1 U
MW-12	05080545-03	Bromobenzene	1 U
MW-12	05080545-03	Bromochloromethane	1 U
MW-12	05080545-03	Bromodichloromethane	1 U
MW-12	05080545-03	Bromoform	1 U
MW-12	05080545-03	Bromomethane	1 U
MW-12	05080545-03	n-Butylbenzene	1 U
MW-12	05080545-03	sec-Butylbenzene	1 U
MW-12	05080545-03	tert-Butylbenzene	1 U
MW-12	05080545-03	Carbon tetrachloride	1 U
MW-12	05080545-03	Chlorobenzene	1 U
MW-12	05080545-03	Chloroethane	2
MW-12	05080545-03	Chloroform	1 U
MW-12	05080545-03	1-Chlorohexane	1 U
MW-12	05080545-03	Chloromethane	1 U
MW-12	05080545-03	2-Chlorotoluene	1 U
MW-12	05080545-03	4-Chlorotoluene	1 U
MW-12	05080545-03	Dibromochloromethane	1 U
MW-12	05080545-03	1,2-Dibromo-3-chloropropane	1 U
MW-12	05080545-03	1,2-Dibromoethane	1 U
MW-12	05080545-03	Dibromomethane	1 U
MW-12	05080545-03	1,2-Dichlorobenzene	1 U
MW-12	05080545-03	1,3-Dichlorobenzene	1 U
MW-12	05080545-03	1,4-Dichlorobenzene	1 U
MW-12	05080545-03	Dichlorodifluoromethane	1 U
MW-12	05080545-03	1,1-Dichloroethane	22
MW-12	05080545-03	1,2-Dichloroethane	1 U
MW-12	05080545-03	1,1-Dichloroethylene	1 U
MW-12	05080545-03	1,2-Dichloroethylene (Total)	14(cis-)
MW-12	05080545-03	1,2-Dichloropropane	1 U
MW-12	05080545-03	1,3-Dichloropropane	1 U
MW-12	05080545-03	2,2-Dichloropropane	1 U
MW-12	05080545-03	1,1-Dichloropropylene	1 U

CONCENTRATION
UNITS: ug/L

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
MW-12	05080545-03	cis-1,3-Dichloropropylene	1 U
MW-12	05080545-03	trans-1,3-Dichloropropylene	1 U
MW-12	05080545-03	Ethylbenzene	1 U
MW-12	05080545-03	Hexachlorobutadiene	1 U
MW-12	05080545-03	Isopropylbenzene	1 U
MW-12	05080545-03	p-Isopropyltoluene	1 U
MW-12	05080545-03	Methylene chloride	3 B
MW-12	05080545-03	Naphthalene	1 U
MW-12	05080545-03	n-Propylbenzene	1 U
MW-12	05080545-03	Styrene	1 U
MW-12	05080545-03	1,1,1,2-Tetrachloroethane	1 U
MW-12	05080545-03	1,1,2,2-Tetrachloroethane	1 U
MW-12	05080545-03	Tetrachloroethylene	61
MW-12	05080545-03	Toluene	1 U
MW-12	05080545-03	1,2,3-Trichlorobenzene	1 U
MW-12	05080545-03	1,2,4-Trichlorobenzene	1 U
MW-12	05080545-03	1,1,1-Trichloroethane	25
MW-12	05080545-03	1,1,2-Trichloroethane	1 U
MW-12	05080545-03	Trichloroethylene	11
MW-12	05080545-03	Trichlorofluoromethane	1 U
MW-12	05080545-03	1,2,3-Trichloropropane	1 U
MW-12	05080545-03	1,2,3-Trimethylbenzene	1 U
MW-12	05080545-03	1,2,4-Trimethylbenzene	1 U
MW-12	05080545-03	1,3,5-Trimethylbenzene	1 U
MW-12	05080545-03	Vinyl chloride	8
MW-12	05080545-03	o-Xylene	1 U
MW-12	05080545-03	p- & m-Xylenes	1 U
MW-12	05080545-03	MTBE	1 U

Data File : C:\HPCHEM\1\DATA\V2005616.D
Acq On : 23 Aug 2005 7:40 pm
Sample : 05080545-03 \$8260W/VOATICW ASPB
Misc : QBV2082305A
MS Integration Params: rteint.p
Quant Time: Oct 4 10:05 19105

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

Quant Results File: V2C173.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
Title : VOCs BY GC/MS 8240/8260
Last Update : Thu Aug 18 08:08:33 2005
Response via : Initial Calibration
DataAcq Meth : V2C173

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.89	70	24352	50.00	ppb	0.00
25) CHLOROBENZENE-d5(ISTD)	21.37	117	171730	50.00	ppb	0.00
47) 1,2-DICHLOROBENZENE-d4(IST	27.33	152	84895	50.00	ppb	0.01

System Monitoring Compounds

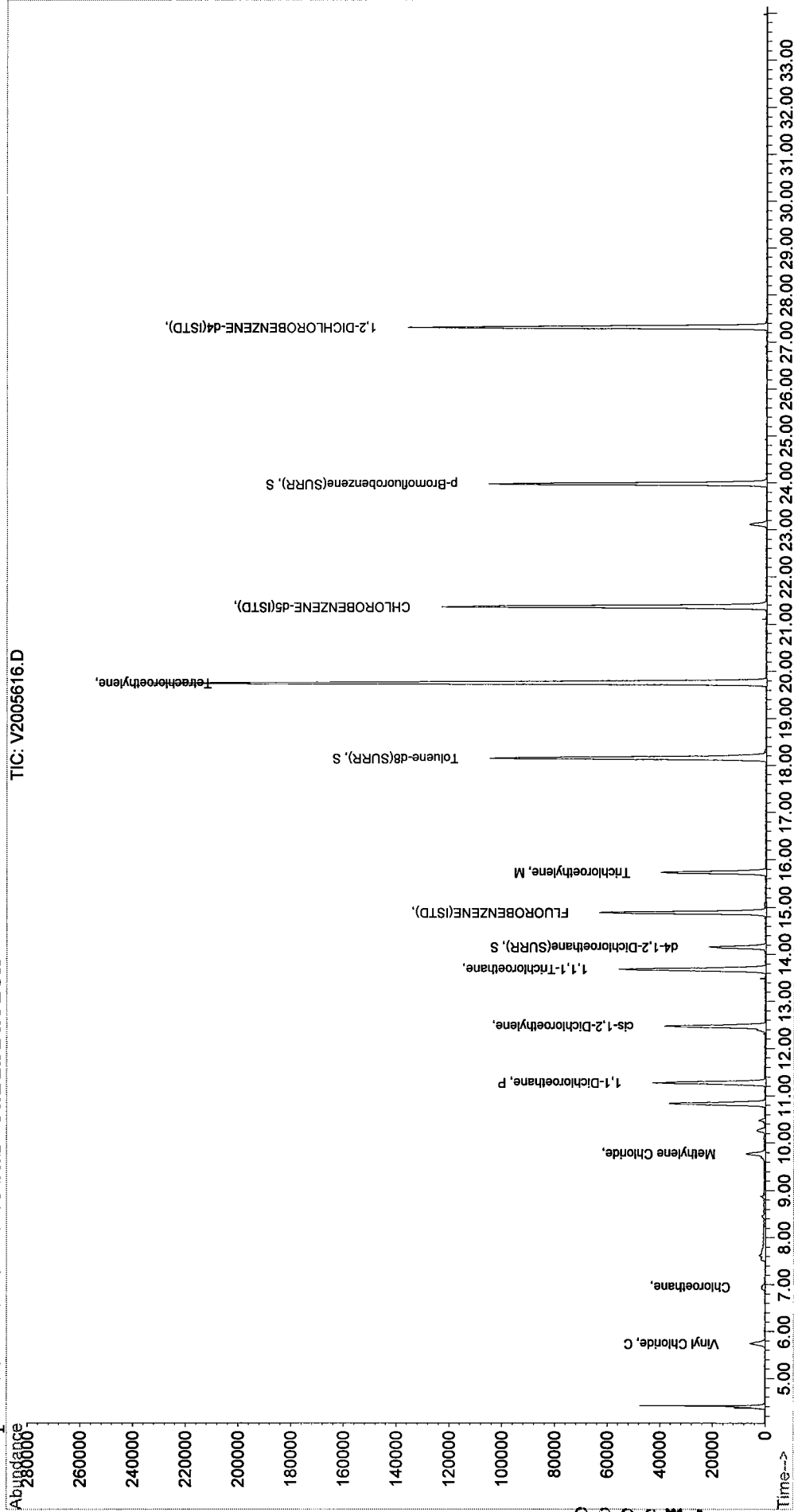
21) d4-1,2-Dichloroethane(SURR	14.15	65	27003	48.72	ppb	0.00
Spiked Amount	50.000	Range	37 - 128	Recovery	=	97.44%
32) Toluene-d8(SURR)	18.15	98	145949	48.31	ppb	0.00
Spiked Amount	50.000	Range	40 - 61	Recovery	=	96.62%#
49) p-Bromofluorobenzene(SURR)	23.98	174	71271	49.01	ppb	0.00
Spiked Amount	50.000	Range	39 - 68	Recovery	=	98.02%#

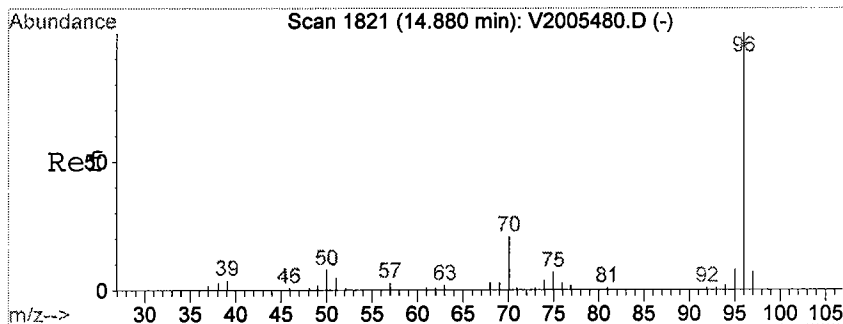
Target Compounds

						Qvalue
4) Vinyl Chloride	5.75	62	17192	7.65	ppb	100
6) Chloroethane	6.94	64	2841	2.07	ppb	100
11) Methylene Chloride	9.78	49	8581	2.58	ppb	# 99
14) 1,1-Dichloroethane	11.28	63	86174	22.41	ppb	100
15) cis-1,2-Dichloroethylene	12.47	96	35152	13.82	ppb	# 33
19) 1,1,1-Trichloroethane	13.68	97	73695	24.98	ppb	# 70
26) Trichloroethylene	15.73	95	26880	10.94	ppb	99
37) Tetrachloroethylene	19.76	166	164943	61.09	ppb	# 100

Vial: 9
 Operator: SS
 Inst : VOA No. 2
 Multiplr: 1.00
 Quant Results File: V2C173.RES

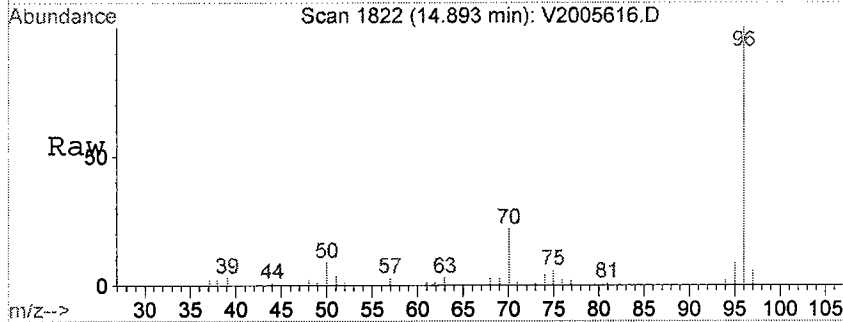
Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Thu Aug 18 08:08:33 2005
 Response via : Initial Calibration





#1
 FLUOROBENZENE (ISTD)
 Concen: 50.00 ppb
 RT: 14.89 min Scan# 1822
 Delta R.T. 0.01 min
 Lab File: V2005616.D
 Acq: 23 Aug 2005 7:40 pm

Tgt Ion	Ratio	Lower	Upper
70	100		
96	509.1	404.2	606.2
70	100.0	80.0	120.0
50	44.0	34.5	51.7



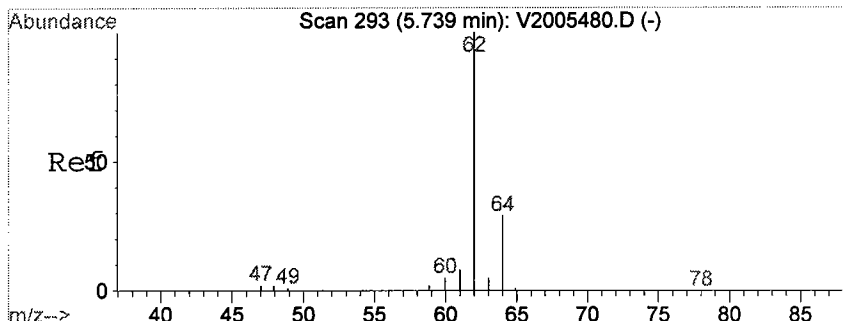
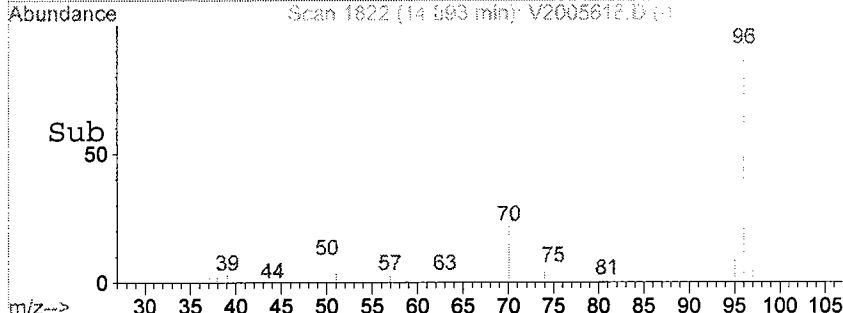
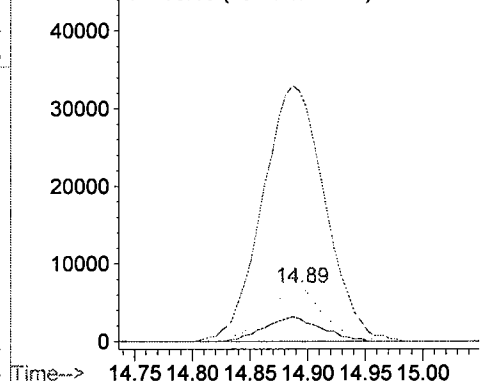
Abundance

Ion 70.00 (69.70 to 70.70): V2005616

Ion 96.00 (95.70 to 96.70): V2005616

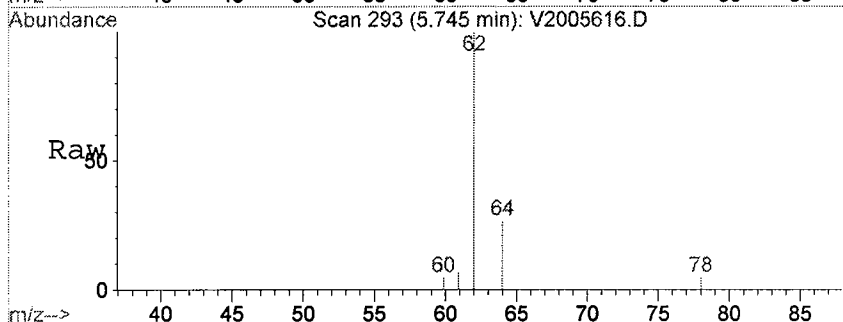
Ion 70.00 (69.70 to 70.70): V2005616

Ion 50.00 (49.70 to 50.70): V2005616



#4
 Vinyl Chloride
 Concen: 7.65 ppb
 RT: 5.75 min Scan# 293
 Delta R.T. 0.01 min
 Lab File: V2005616.D
 Acq: 23 Aug 2005 7:40 pm

Tgt Ion	Ratio	Lower	Upper
62	100		
62	100.0	80.0	120.0
64	30.0	24.9	37.3

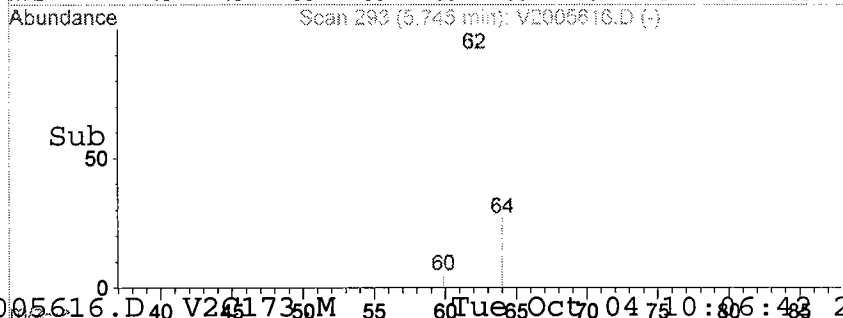
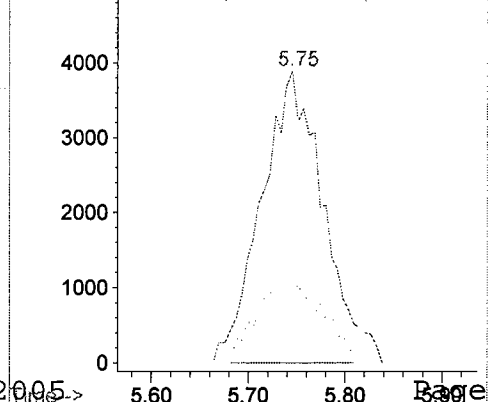


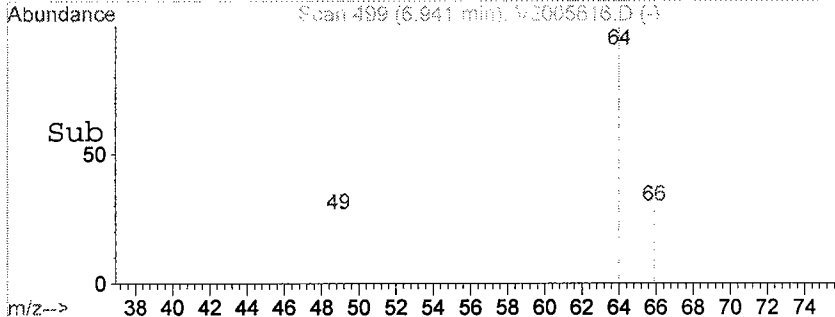
Abundance

Ion 62.00 (61.70 to 62.70): V2005616

Ion 62.00 (61.70 to 62.70): V2005616

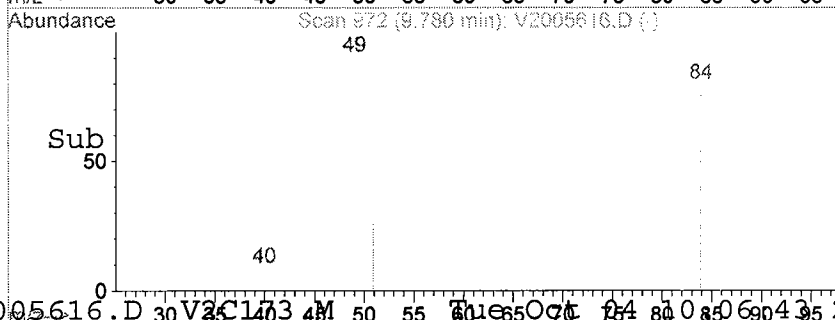
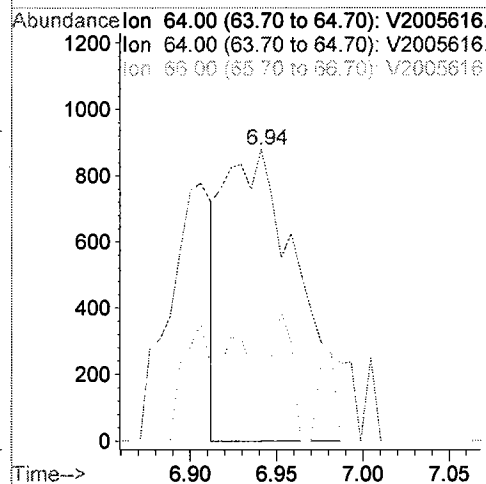
Ion 63.95 (63.65 to 64.65): V2005616





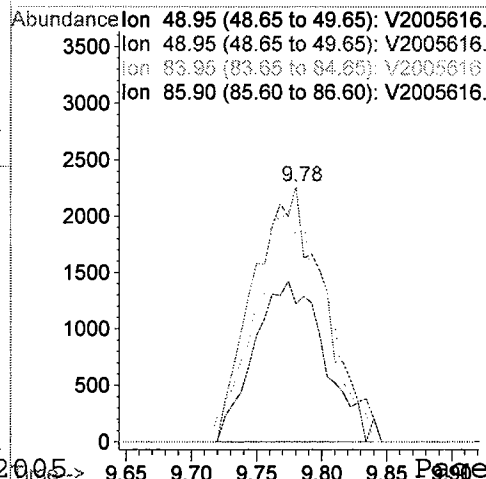
```
#6
Chloroethane
Concen: 2.07 ppb
RT: 6.94 min   Scan# 499
Delta R.T.    0.02 min
Lab File:     V2005616.D
Acq: 23 Aug 2005    7:40 pm
```

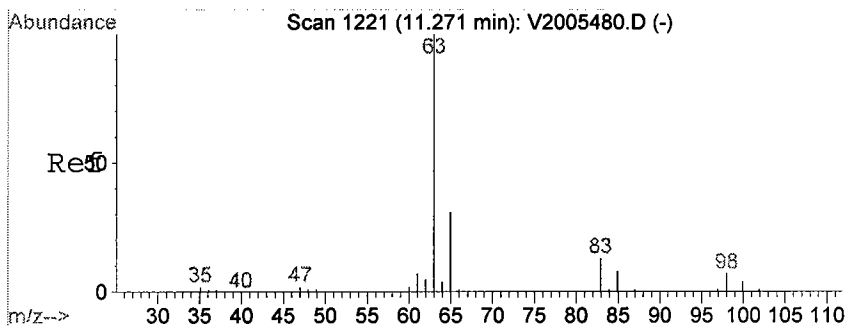
Tgt	Ion: 64	Resp:	2841
Ion	Ratio	Lower	Upper
64	100		
64	100.0	80.0	120.0
66	30.3	24.6	36.8



```
#11
Methylene Chloride
Concen: 2.58 ppb
RT: 9.78 min   Scan# 972
Delta R.T.    0.01 min
Lab File:     V2005616.D
Acq: 23 Aug 2005   7:40 pm
```

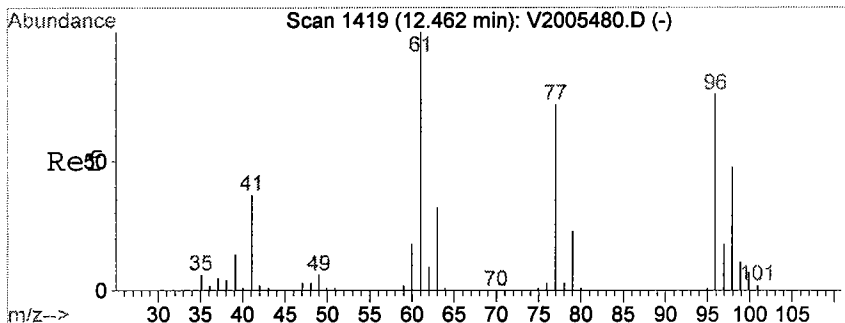
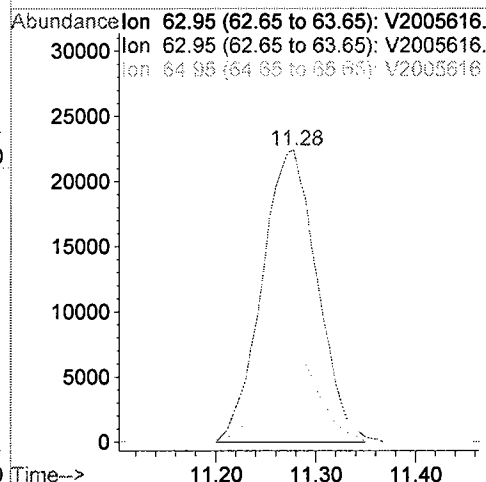
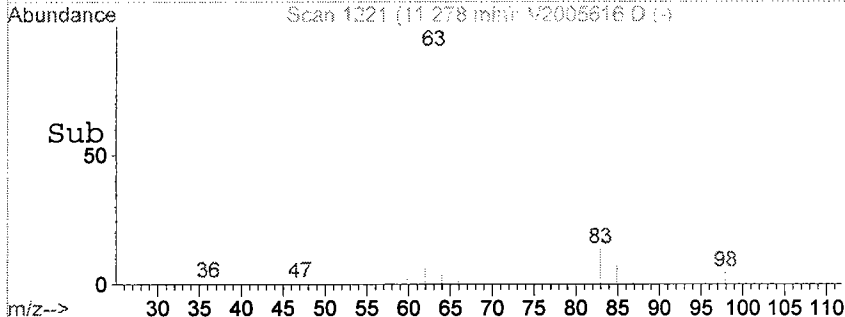
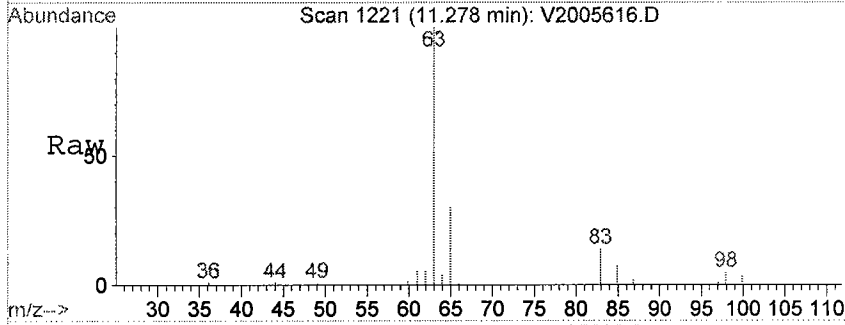
Tgt	Ion: 49	Resp:	8581
Ion	Ratio	Lower	Upper
49	100		
49	100.0	80.0	120.0
84	91.1	71.8	107.8
86	62.4	0.0	0.0#





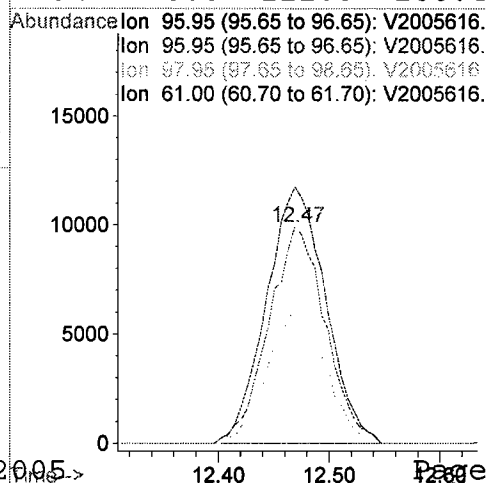
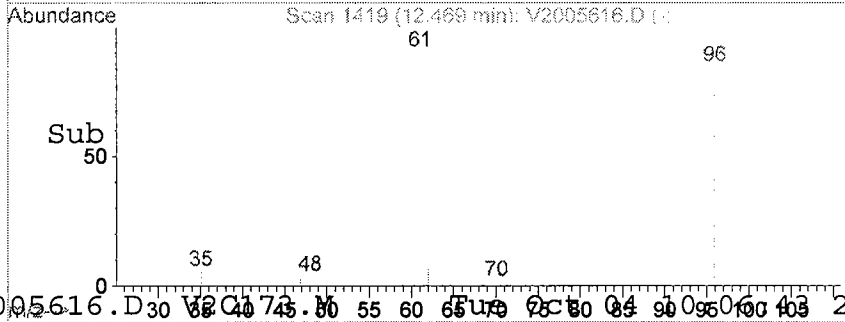
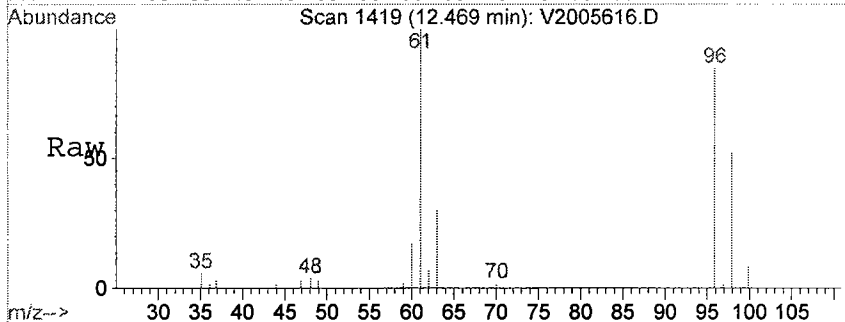
#14
 1,1-Dichloroethane
 Concen: 22.41 ppb
 RT: 11.28 min Scan# 1221
 Delta R.T. 0.01 min
 Lab File: V2005616.D
 Acq: 23 Aug 2005 7:40 pm

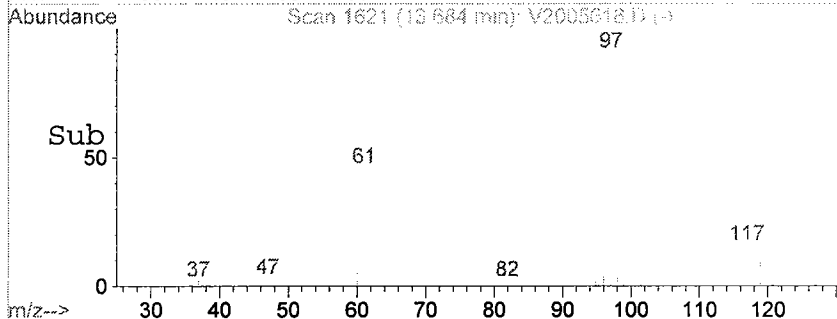
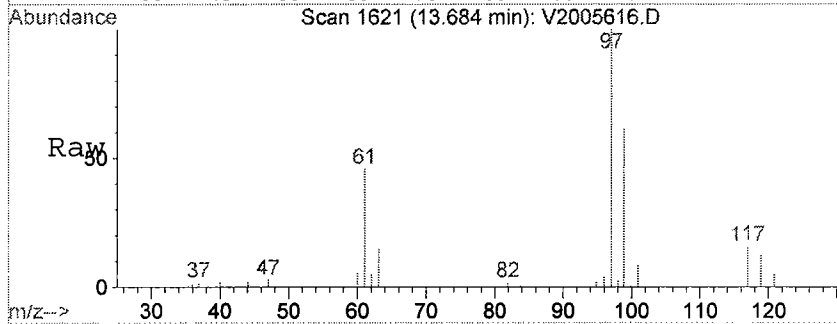
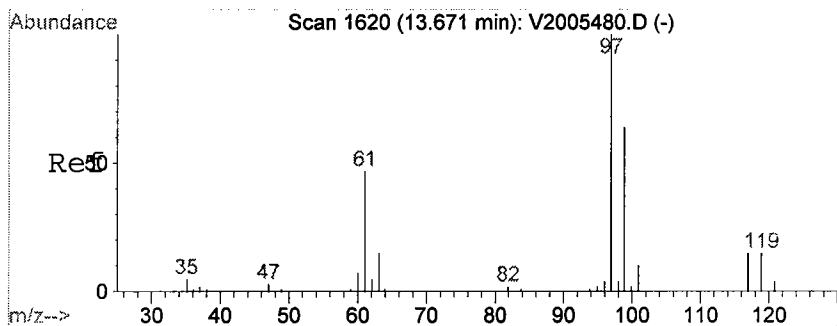
Tgt Ion	Ratio	Lower	Upper
63	100		
63	100.0	80.0	120.0
65	32.0	25.1	37.7



#15
 cis-1,2-Dichloroethylene
 Concen: 13.82 ppb
 RT: 12.47 min Scan# 1419
 Delta R.T. 0.01 min
 Lab File: V2005616.D
 Acq: 23 Aug 2005 7:40 pm

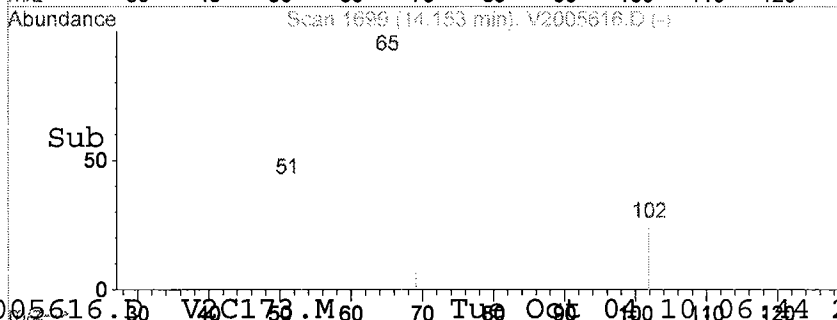
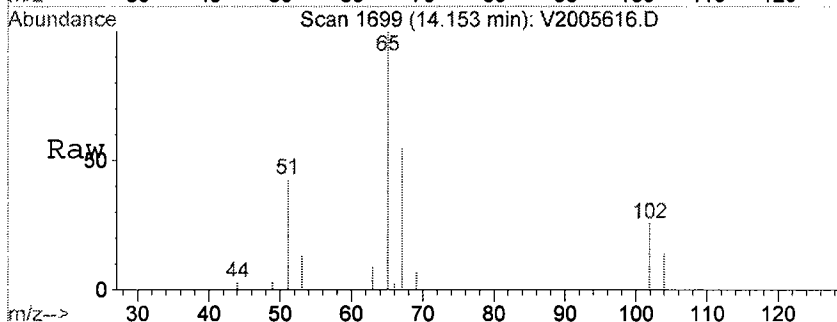
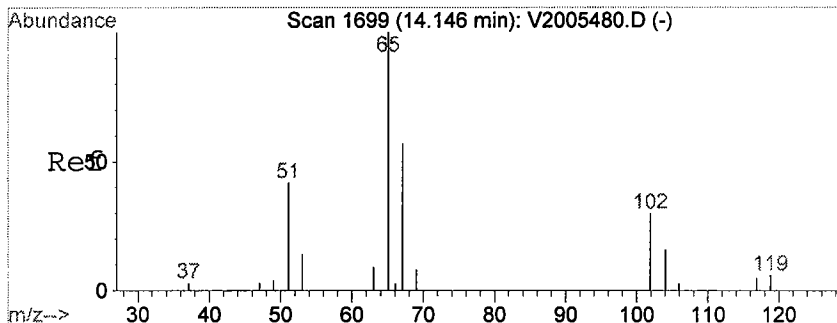
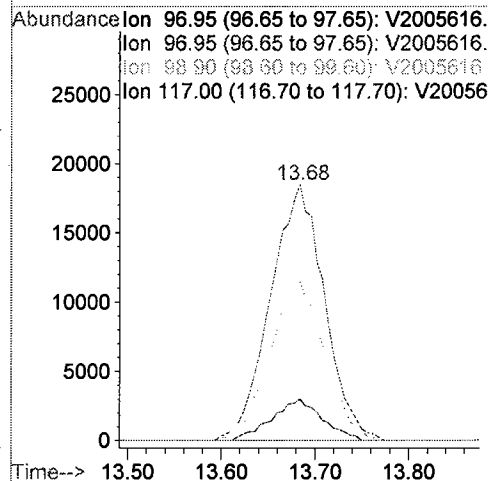
Tgt Ion	Ratio	Lower	Upper
96	100		
96	100.0	80.0	120.0
98	63.9	0.0	0.0#
61	0.0	111.0	166.4#





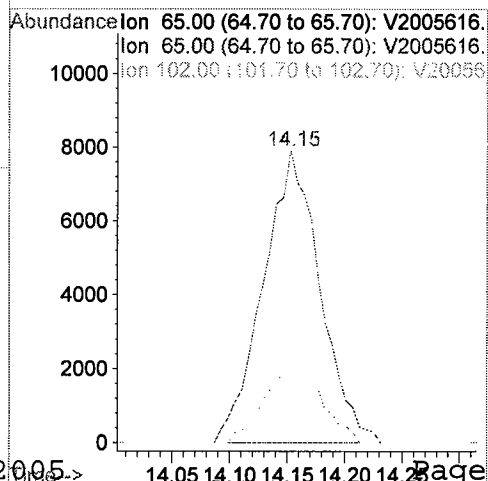
#19
1,1,1-Trichloroethane
Concen: 24.98 ppb
RT: 13.68 min Scan# 1621
Delta R.T. 0.01 min
Lab File: V2005616.D
Acq: 23 Aug 2005 7:40 pm

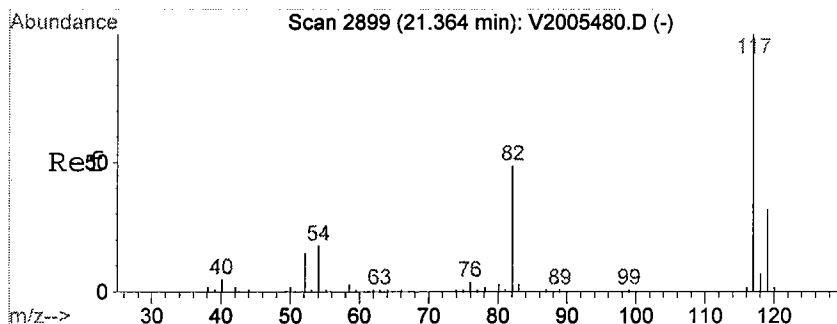
Tgt Ion: 97 Resp: 73695
Ion Ratio Lower Upper
97 100
97 100.0 80.0 120.0
99 0.0 52.3 78.5#
117 15.1 12.4 18.6



#21
d4-1,2-Dichloroethane (SURR)
Concen: 48.72 ppb
RT: 14.15 min Scan# 1699
Delta R.T. 0.00 min
Lab File: V2005616.D
Acq: 23 Aug 2005 7:40 pm

Tgt Ion: 65 Resp: 27003
Ion Ratio Lower Upper
65 100
65 100.0 80.0 120.0
102 26.6 21.4 32.2





#25

CHLOROBENZENE-d5 (ISTD)

Concen: 50.00 ppb

RT: 21.37 min Scan# 2899

Delta R.T. 0.01 min

Lab File: V2005616.D

Acq: 23 Aug 2005 7:40 pm

Tgt Ion: 117 Resp: 171730

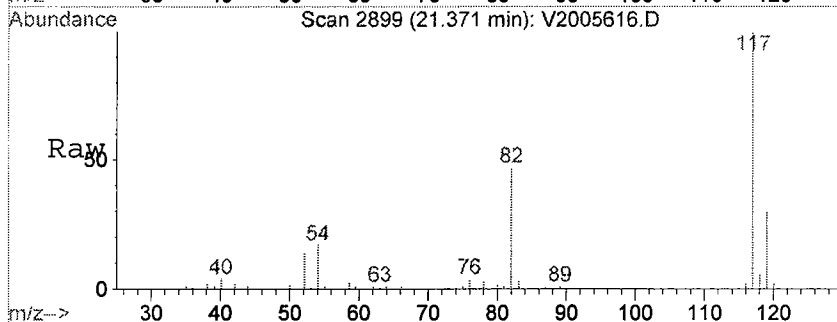
Ion Ratio Lower Upper

117 100

117 100.0 80.0 120.0

82 47.7 0.0 0.0#

119 31.0 24.6 37.0



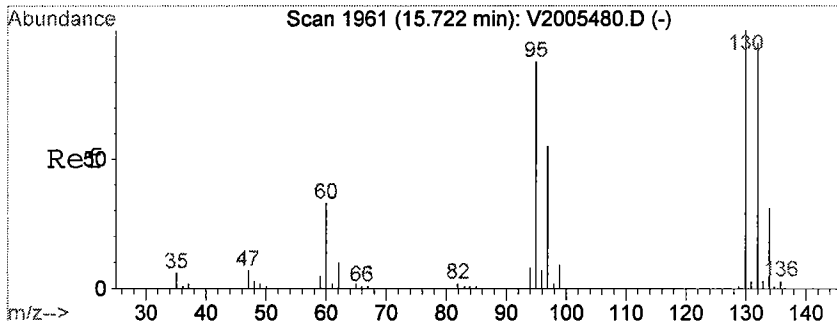
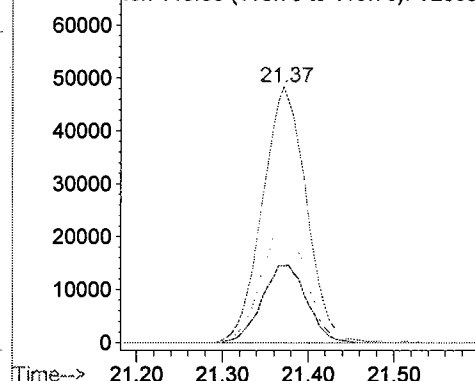
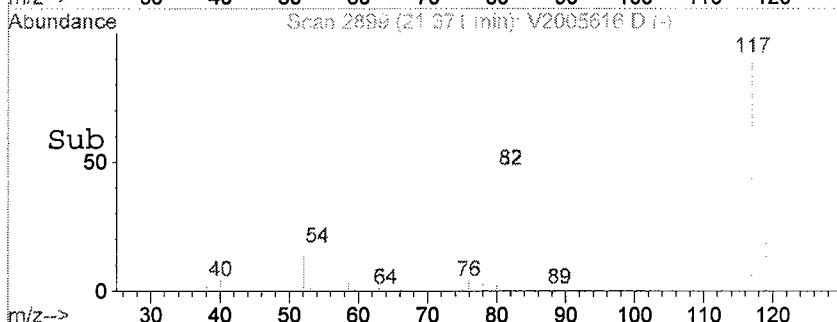
Abundance

Ion 117.00 (116.70 to 117.70): V20056

Ion 117.00 (116.70 to 117.70): V20056

Ion 82.00 (81.70 to 82.70): V2005616

Ion 119.00 (118.70 to 119.70): V20056



#26

Trichloroethylene

Concen: 10.94 ppb

RT: 15.73 min Scan# 1961

Delta R.T. 0.00 min

Lab File: V2005616.D

Acq: 23 Aug 2005 7:40 pm

Tgt Ion: 95 Resp: 26880

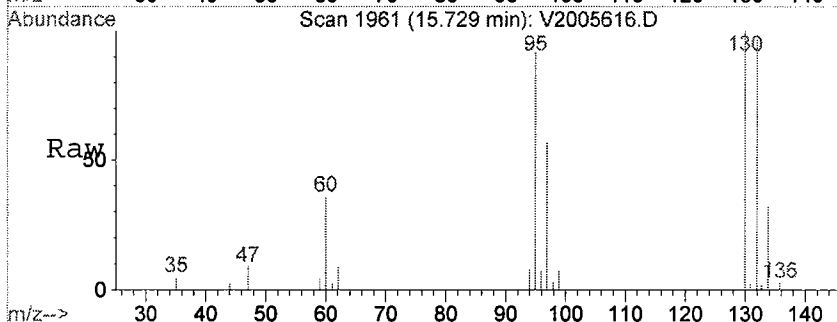
Ion Ratio Lower Upper

95 100

95 100.0 80.0 120.0

97 62.8 51.5 77.3

130 116.6 92.2 138.2



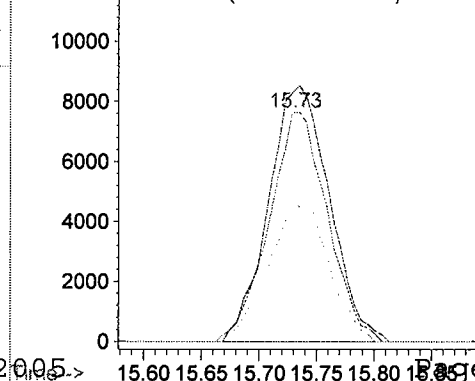
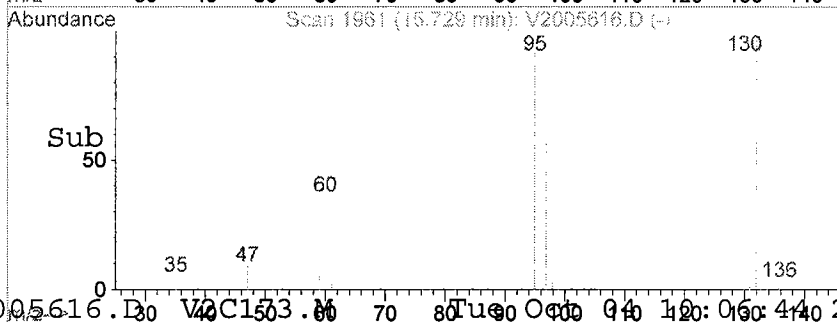
Abundance

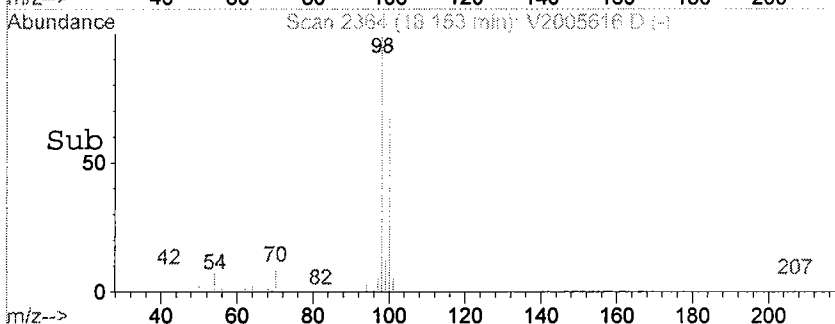
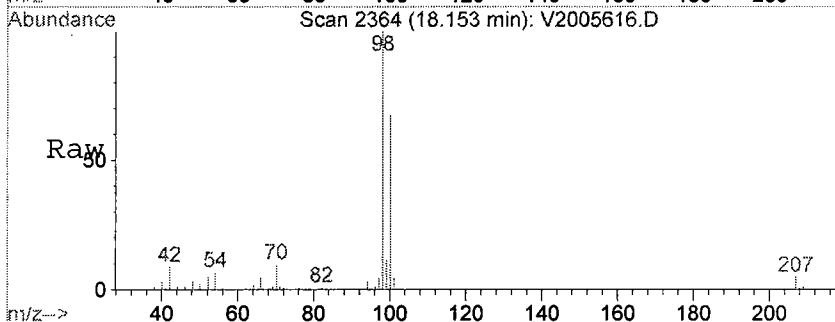
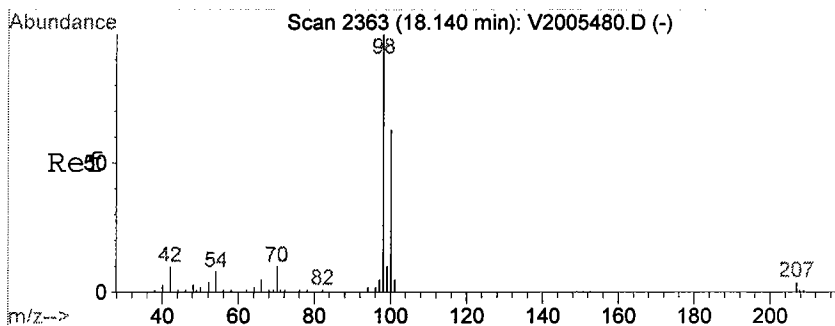
Ion 94.85 (94.55 to 95.55): V2005616

Ion 94.85 (94.55 to 95.55): V2005616

Ion 96.85 (96.55 to 97.55): V2005616

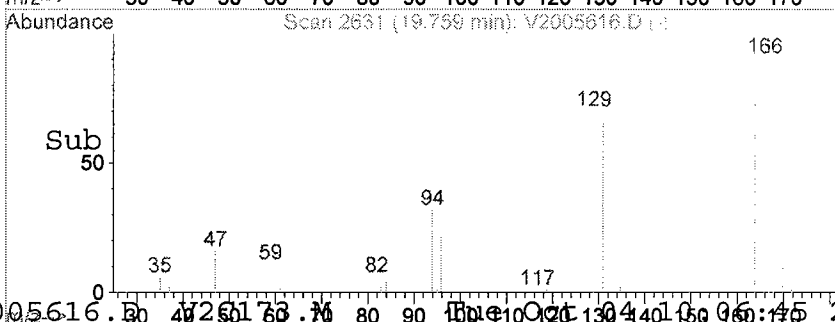
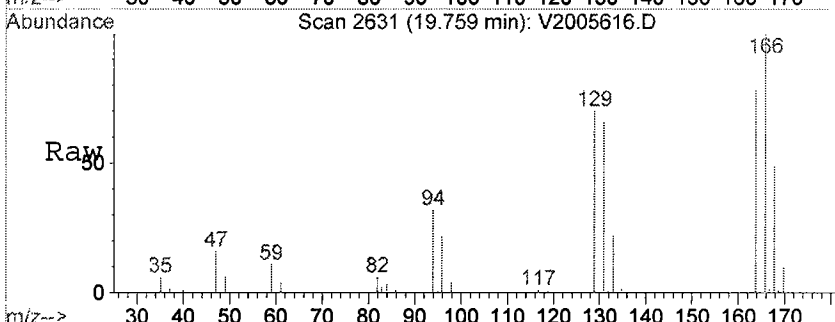
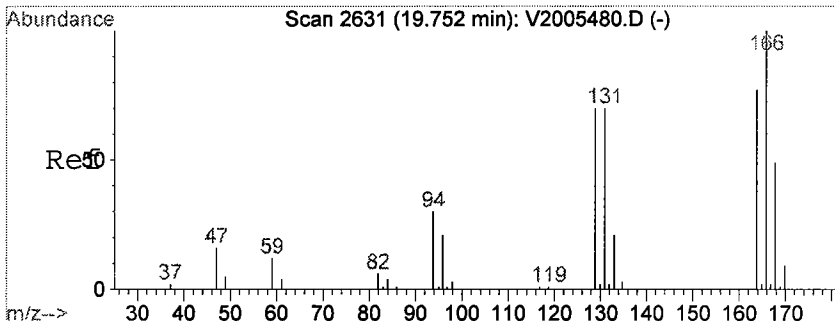
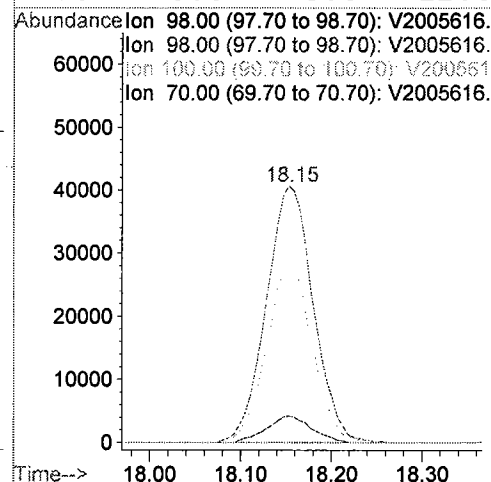
Ion 129.90 (129.60 to 130.60): V20056





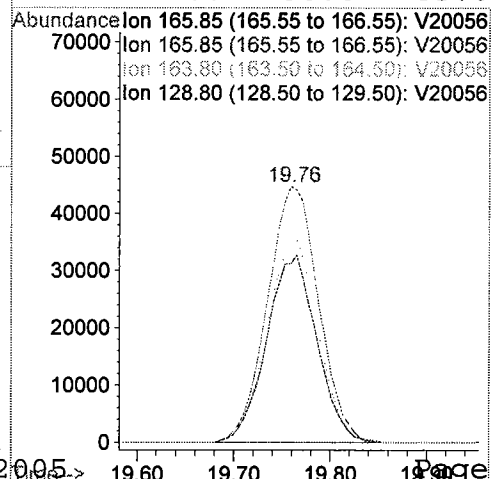
#32
Toluene-d8 (SURR)
Concen: 48.31 ppb
RT: 18.15 min Scan# 2364
Delta R.T. 0.01 min
Lab File: V2005616.D
Acq: 23 Aug 2005 7:40 pm

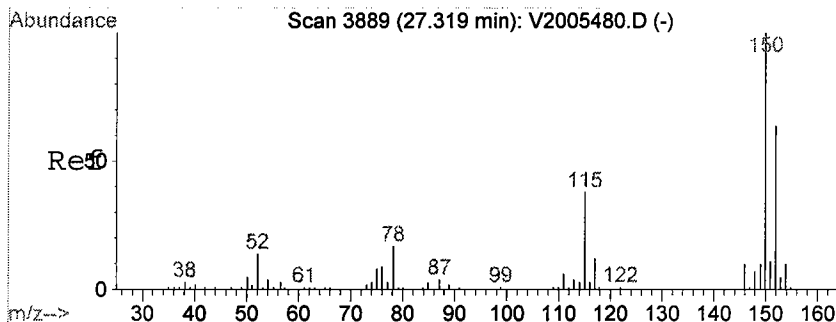
Tgt Ion:	98	Resp:	145949
Ion	Ratio	Lower	Upper
98	100		
98	100.0	80.0	120.0
100	67.2	53.7	80.5
70	0.0	8.0	12.0#



#37
Tetrachloroethylene
Concen: 61.09 ppb
RT: 19.76 min Scan# 2631
Delta R.T. 0.00 min
Lab File: V2005616.D
Acq: 23 Aug 2005 7:40 pm

Tgt Ion:	166	Resp:	164943
Ion	Ratio	Lower	Upper
166	100		
166	100.0	80.0	120.0
164	79.1	0.0	0.0#
129	71.6	56.6	85.0





#47

1,2-DICHLOROBENZENE-d4 (ISTD)

Concen: 50.00 ppb

RT: 27.33 min Scan# 3889

Delta R.T. 0.01 min

Lab File: V2005616.D

Acq: 23 Aug 2005 7:40 pm

Tgt Ion:152 Resp: 84895

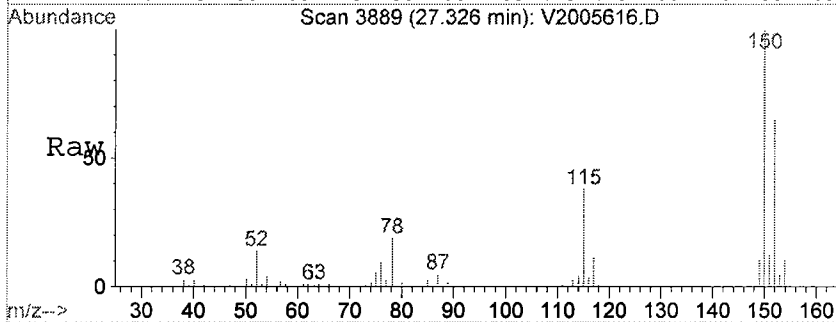
Ion Ratio Lower Upper

152 100

152 100.0 80.0 120.0

152 100.0 80.0 120.0

115 0.0 0.0 0.0



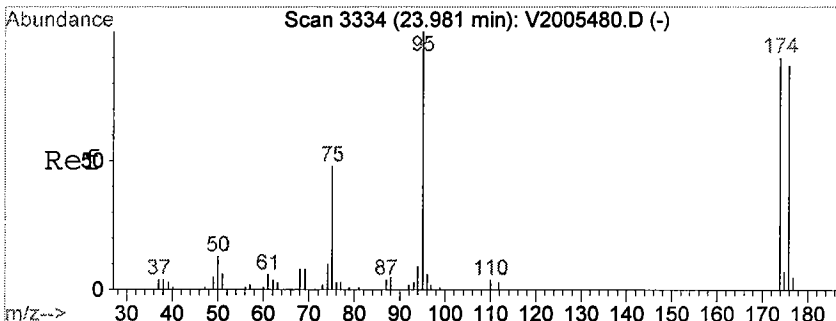
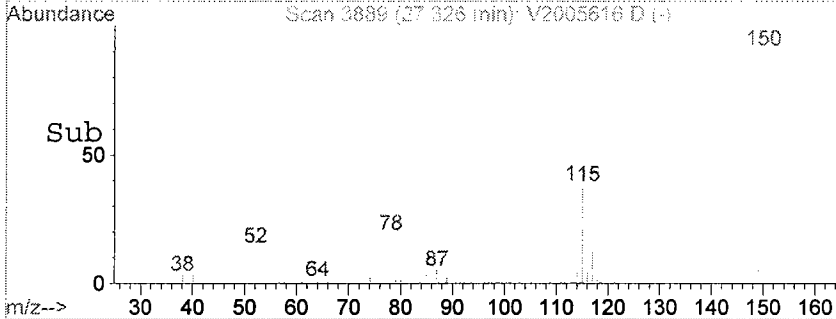
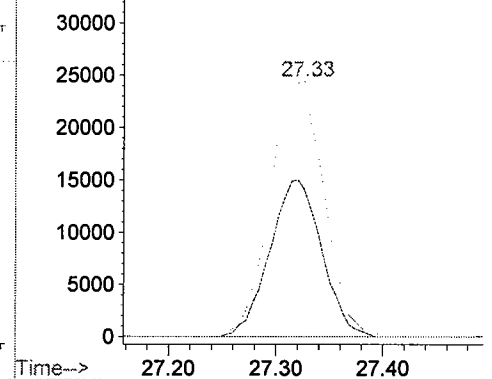
Abundance

Ion 152.00 (151.70 to 152.70): V20056

Ion 152.00 (151.70 to 152.70): V20056

Ion 152.00 (151.70 to 152.70): V20056

Ion 115.00 (114.70 to 115.70): V20056



#49

p-Bromofluorobenzene (SURR)

Concen: 49.01 ppb

RT: 23.98 min Scan# 3333

Delta R.T. 0.00 min

Lab File: V2005616.D

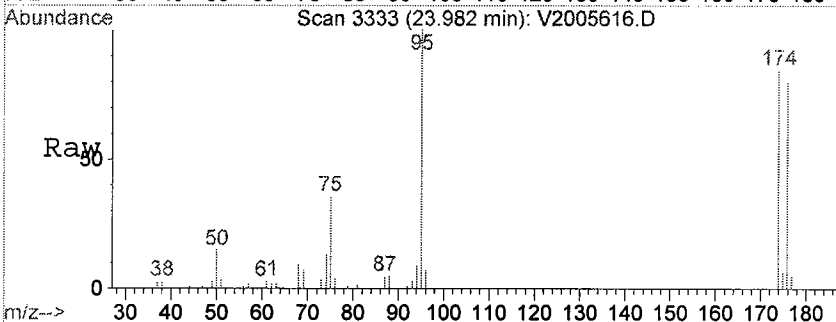
Acq: 23 Aug 2005 7:40 pm

Tgt Ion:174 Resp: 71271

Ion Ratio Lower Upper

174 100

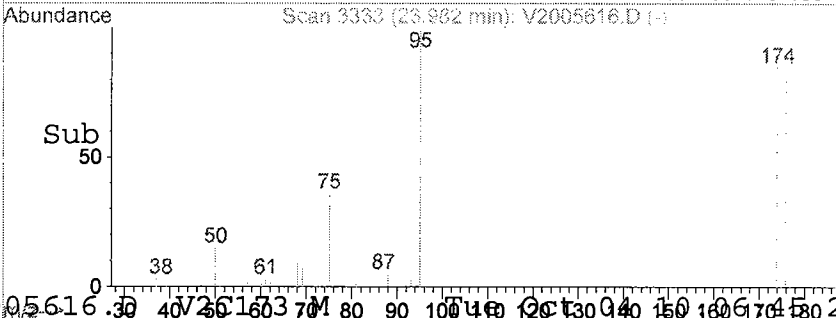
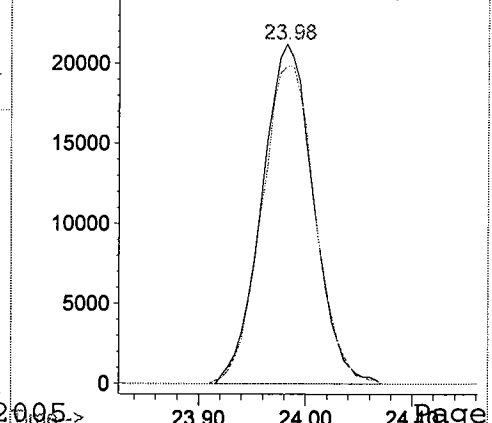
176 96.9 75.6 113.4



Abundance

Ion 174.00 (173.70 to 174.70): V20056

Ion 176.00 (175.70 to 176.70): V20056



Client Sample ID

MW-12

Sample Amount: SOIL=1.0g/WATER=5.0ml

Date Collected: 8/15/05

Sample Type: **WATER**

Matrix: WATER

Date Received: 8/17/05

Dilution Factor: 1.00

Date Analyzed: 8/23/05

SDG: 05080545-03

Level: LOW

Lab ID: 05080545-03

Lab File ID: V2005616.D

CONCENTRATION
UNITS: ug/L DRY

[illegible]

LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\V2005616.D
Acq On : 23 Aug 2005 7:40 pm
Sample : 05080545-03 \$8260W/VOATICW ASPB
Misc : QBV2082305A
MS Integration Params: RTEINT.P

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

Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
Title : VOCs BY GC/MS 8240/8260
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.5 % of largest Peak
Start Thrs: 0.001 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	4.370	48	56	57	rBV	11755	8180	0.95%	0.215%
2	4.416	57	64	72	rVB	47489	47106	5.48%	1.237%
3	5.740	277	292	310	rBB2	5955	25494	2.96%	0.670%
4	9.762	960	969	984	rVB3	6883	26862	3.12%	0.705%
5	10.261	1042	1052	1064	rVB5	3093	12345	1.44%	0.324%
6	10.478	1077	1088	1096	rBV3	2529	6898	0.80%	0.181%
7	10.833	1131	1147	1163	rBV3	36705	143775	16.72%	3.776%
8	11.272	1206	1220	1236	rBV	42845	161010	18.72%	4.229%
9	12.391	1397	1406	1408	rBV4	3418	7758	0.90%	0.204%
10	12.469	1408	1419	1435	rVB2	38425	139161	16.18%	3.655%
11	13.684	1604	1621	1639	rVB	55947	223472	25.98%	5.869%
12	14.153	1688	1699	1715	rVB3	21660	76145	8.85%	2.000%
13	14.887	1806	1821	1838	rBV2	63057	231919	26.96%	6.091%
14	15.729	1947	1961	1979	rVB4	39887	142636	16.58%	3.746%
15	18.153	2347	2364	2385	rBV2	105125	407780	47.41%	10.709%
16	19.759	2609	2631	2648	rBV2	233724	860140	100.00%	22.590%
17	21.371	2886	2899	2921	rVB2	123088	435648	50.65%	11.441%
18	23.116	3170	3189	3203	rVB2	6774	27794	3.23%	0.730%
19	23.982	3318	3333	3352	rBB2	105671	354185	41.18%	9.302%
20	27.320	3875	3888	3905	rBB2	136275	469358	54.57%	12.327%

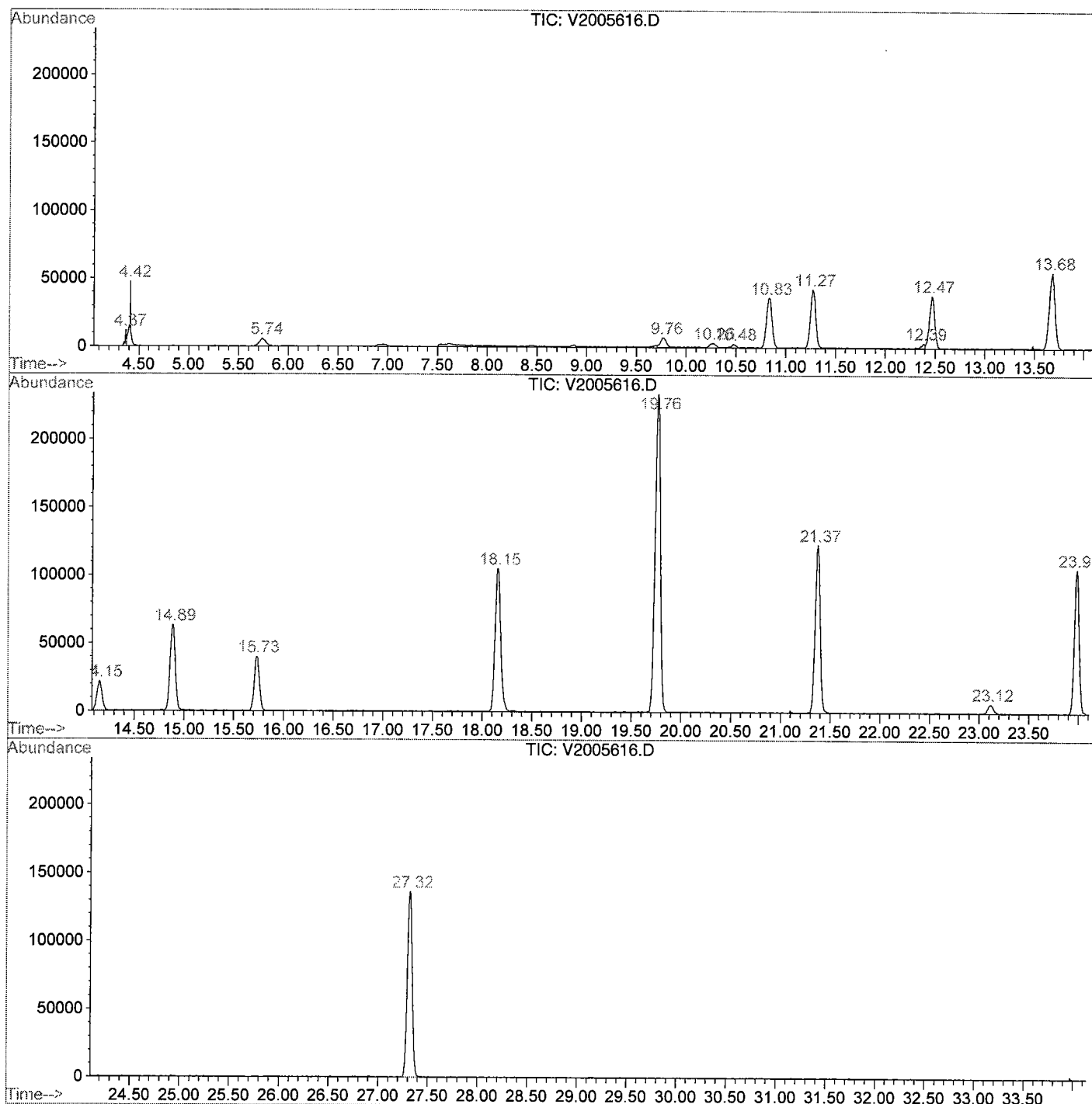
Sum of corrected areas: 3807666

V2005616.D V2C173.M Wed Aug 24 10:48:37 2005

000083

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\V2005616.D
 Operator : SS
 Acquired : 23 Aug 2005 7:40 pm using AcqMethod V2C173
 Instrument : VOA No. 2
 Sample Name: 05080545-03 \$8260W/VOATICW ASPB
 Misc Info : QBV2082305A
 Vial Number: 9
 Quant File :V2C173.RES (RTE Integrator)



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\V2005616.D

Acq On : 23 Aug 2005 7:40 pm

Sample : 05080545-03 \$8260W/VOATICW ASPB

Misc : QBV2082305A

MS Integration Params: RTEINT.P

Vial: 9

Operator: SS

Inst : VOA No. 2

Multiplr: 1.00

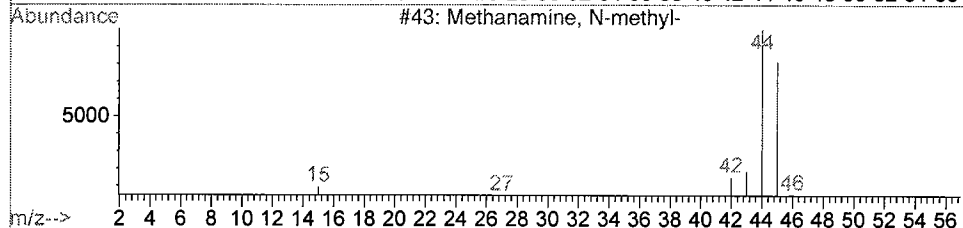
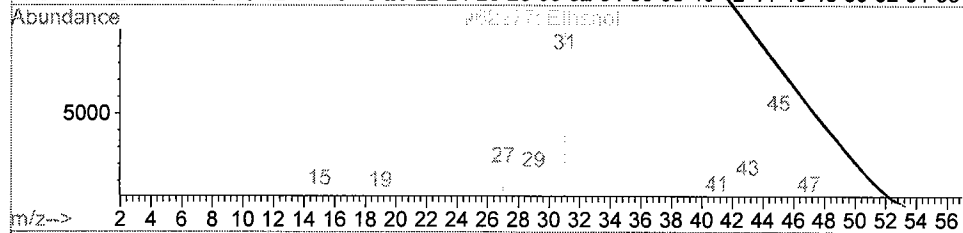
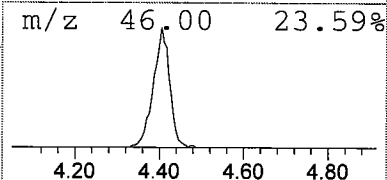
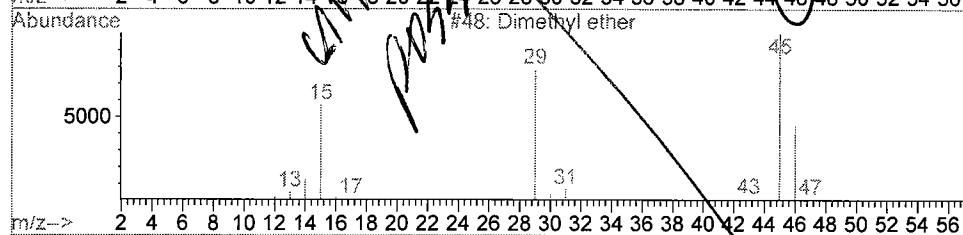
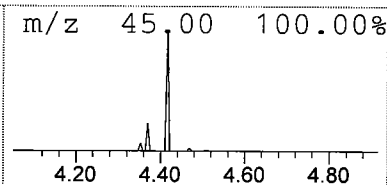
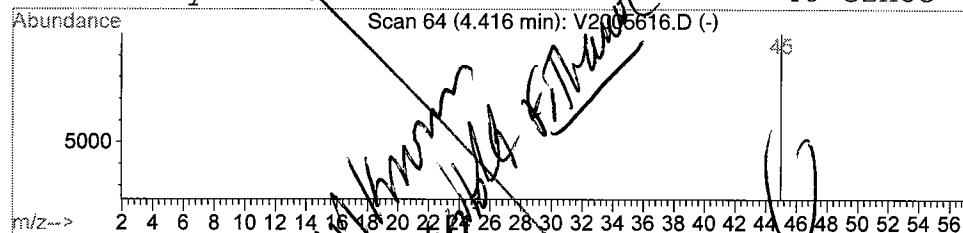
Quant Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Library : C:\DATABASE\NBS75K.L

Peak Number 1 Dimethyl ether Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
4.42	10.16 ppb	47106	FLUOROBENZENE (ISTD)	14.89	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dimethyl ether	46	C2H6O	000115-10-6	2
2	Ethanol	46	C2H6O	000064-17-5	2
3	Methanamine, N-methyl-	45	C2H7N	000124-40-3	2
4	Dimethyl ether	46	C2H6O	000115-10-6	2



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\V2005616.D

Acq On : 23 Aug 2005 7:40 pm

Sample : 05080545-03 \$8260W/VOATICW ASPB

Misc : QBV2082305A

MS Integration Params: RTEINT.P

Vial: 9

Operator: SS

Inst : VOA No. 2

Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

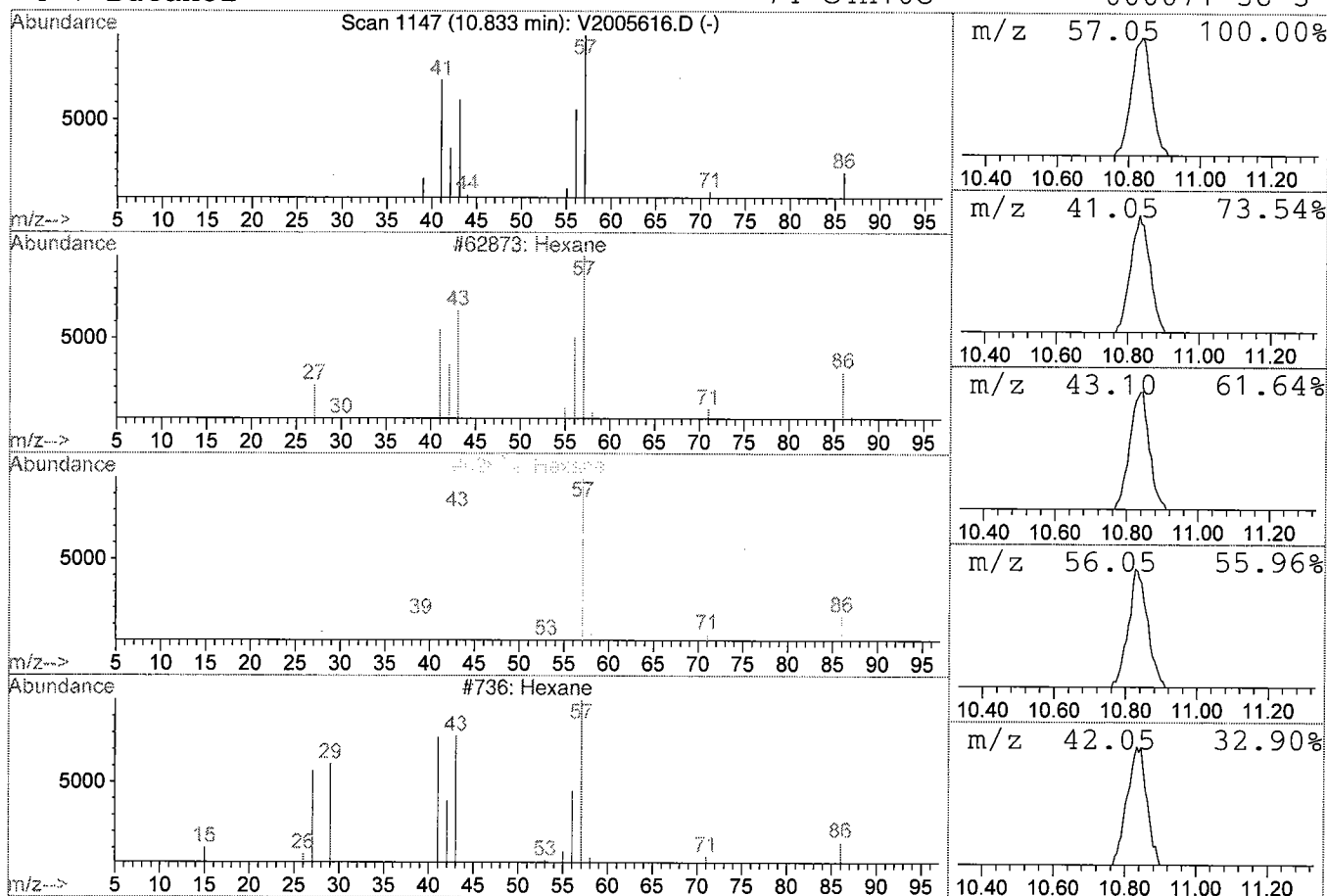
Library : C:\DATABASE\NBS75K.L

Peak Number 2 Hexane

Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.83	31.00 ppb	143775	FLUOROBENZENE(ISTD)	14.89

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane			86	C6H14	000110-54-3	78
2	Hexane			86	C6H14	000110-54-3	72
3	Hexane			86	C6H14	000110-54-3	64
4	1-Butanol			74	C4H10O	000071-36-3	53



Tentatively Identified Compound (LSC) summary

Operator ID: SS Date Acquired: 23 Aug 2005 7:40 pm
 Data File: C:\HPCHEM\1\DATA\V2005616.D
 Name: 05080545-03 \$8260W/VOATICW ASPB
 Misc: QBV2082305A
 Method: C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
 Title: VOCs BY GC/MS 8240/8260
 Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc Units	Area	IntStd	ISRT	ISArea	ISConc
Dimethyl ether	4.42	10.2 ppb	47106	ISTD01	14.89	231919	50.0
Hexane	10.83	31.0 ppb	143775	ISTD01	14.89	231919	50.0

V2005616.D V2C173.M Wed Aug 24 10:48:47 2005

Client Sample ID

MW-10D

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

Matrix: WATER

Dilution Factor: 1.0

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

Date Collected: 8/15/05

Date Received: 8/17/05

Date Analyzed: 8/23/05

Level: LOW

Sample Type: WATER

SDG: 05080545

Lab ID: 05080545-04

Lab File ID: V2005617.D

CONCENTRATION
UNITS: ug/L

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
MW-10D	05080545-04	Benzene	1 U
MW-10D	05080545-04	Bromobenzene	1 U
MW-10D	05080545-04	Bromochloromethane	1 U
MW-10D	05080545-04	Bromodichloromethane	1 U
MW-10D	05080545-04	Bromoform	1 U
MW-10D	05080545-04	Bromomethane	1 U
MW-10D	05080545-04	n-Butylbenzene	1 U
MW-10D	05080545-04	sec-Butylbenzene	1 U
MW-10D	05080545-04	tert-Butylbenzene	1 U
MW-10D	05080545-04	Carbon tetrachloride	1 U
MW-10D	05080545-04	Chlorobenzene	1 U
MW-10D	05080545-04	Chloroethane	1 U
MW-10D	05080545-04	Chloroform	1 U
MW-10D	05080545-04	1-Chlorohexane	1 U
MW-10D	05080545-04	Chloromethane	1 U
MW-10D	05080545-04	2-Chlorotoluene	1 U
MW-10D	05080545-04	4-Chlorotoluene	1 U
MW-10D	05080545-04	Dibromochloromethane	1 U
MW-10D	05080545-04	1,2-Dibromo-3-chloropropane	1 U
MW-10D	05080545-04	1,2-Dibromoethane	1 U
MW-10D	05080545-04	Dibromomethane	1 U
MW-10D	05080545-04	1,2-Dichlorobenzene	1 U
MW-10D	05080545-04	1,3-Dichlorobenzene	1 U
MW-10D	05080545-04	1,4-Dichlorobenzene	1 U
MW-10D	05080545-04	Dichlorodifluoromethane	1 U
MW-10D	05080545-04	1,1-Dichloroethane	1 U
MW-10D	05080545-04	1,2-Dichloroethane	1 U
MW-10D	05080545-04	1,1-Dichloroethylene	1 U
MW-10D	05080545-04	1,2-Dichloroethylene (Total)	1 U
MW-10D	05080545-04	1,2-Dichloropropane	1 U
MW-10D	05080545-04	1,3-Dichloropropane	1 U
MW-10D	05080545-04	2,2-Dichloropropane	1 U
MW-10D	05080545-04	1,1-Dichloropropylene	1 U

Client Sample ID

MW-10D

CONCENTRATION
UNITS: ug/L

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
MW-10D	05080545-04	cis-1,3-Dichloropropylene	1 U
MW-10D	05080545-04	trans-1,3-Dichloropropylene	1 U
MW-10D	05080545-04	Ethylbenzene	1 U
MW-10D	05080545-04	Hexachlorobutadiene	1 U
MW-10D	05080545-04	Isopropylbenzene	1 U
MW-10D	05080545-04	p-Isopropyltoluene	1 U
MW-10D	05080545-04	Methylene chloride	3 B
MW-10D	05080545-04	Naphthalene	1 U
MW-10D	05080545-04	n-Propylbenzene	1 U
MW-10D	05080545-04	Styrene	1 U
MW-10D	05080545-04	1,1,1,2-Tetrachloroethane	1 U
MW-10D	05080545-04	1,1,2,2-Tetrachloroethane	1 U
MW-10D	05080545-04	Tetrachloroethylene	1 U
MW-10D	05080545-04	Toluene	1 U
MW-10D	05080545-04	1,2,3-Trichlorobenzene	1 U
MW-10D	05080545-04	1,2,4-Trichlorobenzene	1 U
MW-10D	05080545-04	1,1,1-Trichloroethane	1 U
MW-10D	05080545-04	1,1,2-Trichloroethane	1 U
MW-10D	05080545-04	Trichloroethylene	1 U
MW-10D	05080545-04	Trichlorofluoromethane	1 U
MW-10D	05080545-04	1,2,3-Trichloropropane	1 U
MW-10D	05080545-04	1,2,3-Trimethylbenzene	1 U
MW-10D	05080545-04	1,2,4-Trimethylbenzene	1 U
MW-10D	05080545-04	1,3,5-Trimethylbenzene	1 U
MW-10D	05080545-04	Vinyl chloride	1 U
MW-10D	05080545-04	o-Xylene	1 U
MW-10D	05080545-04	p- & m-Xylenes	1 U
MW-10D	05080545-04	MTBE	1

Data File : C:\HPCHEM\1\DATA\V2005617.D
Acq On : 23 Aug 2005 8:21 pm
Sample : 05080545-04 \$8260W/VOATICW ASPB
Misc : QBV2082305A
MS Integration Params: rteint.p
Quant Time: Oct 4 10:07 19105

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

Quant Results File: V2C173.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
Title : VOCs BY GC/MS 8240/8260
Last Update : Thu Aug 18 08:08:33 2005
Response via : Initial Calibration
DataAcq Meth : V2C173

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.89	70	22600	50.00	ppb	0.00
25) CHLOROBENZENE-d5(ISTD)	21.37	117	161798	50.00	ppb	0.00
47) 1,2-DICHLOROBENZENE-d4(IST	27.33	152	80266	50.00	ppb	0.00

System Monitoring Compounds

21) d4-1,2-Dichloroethane(SURR	14.15	65	25611	49.79	ppb	0.00
Spiked Amount	50.000	Range	37 - 128	Recovery	=	99.58%
32) Toluene-d8(SURR)	18.16	98	138417	48.63	ppb	0.01
Spiked Amount	50.000	Range	40 - 61	Recovery	=	97.26%#
49) p-Bromofluorobenzene(SURR)	23.98	174	68918	50.12	ppb	0.00
Spiked Amount	50.000	Range	39 - 68	Recovery	=	100.24%#

Target Compounds

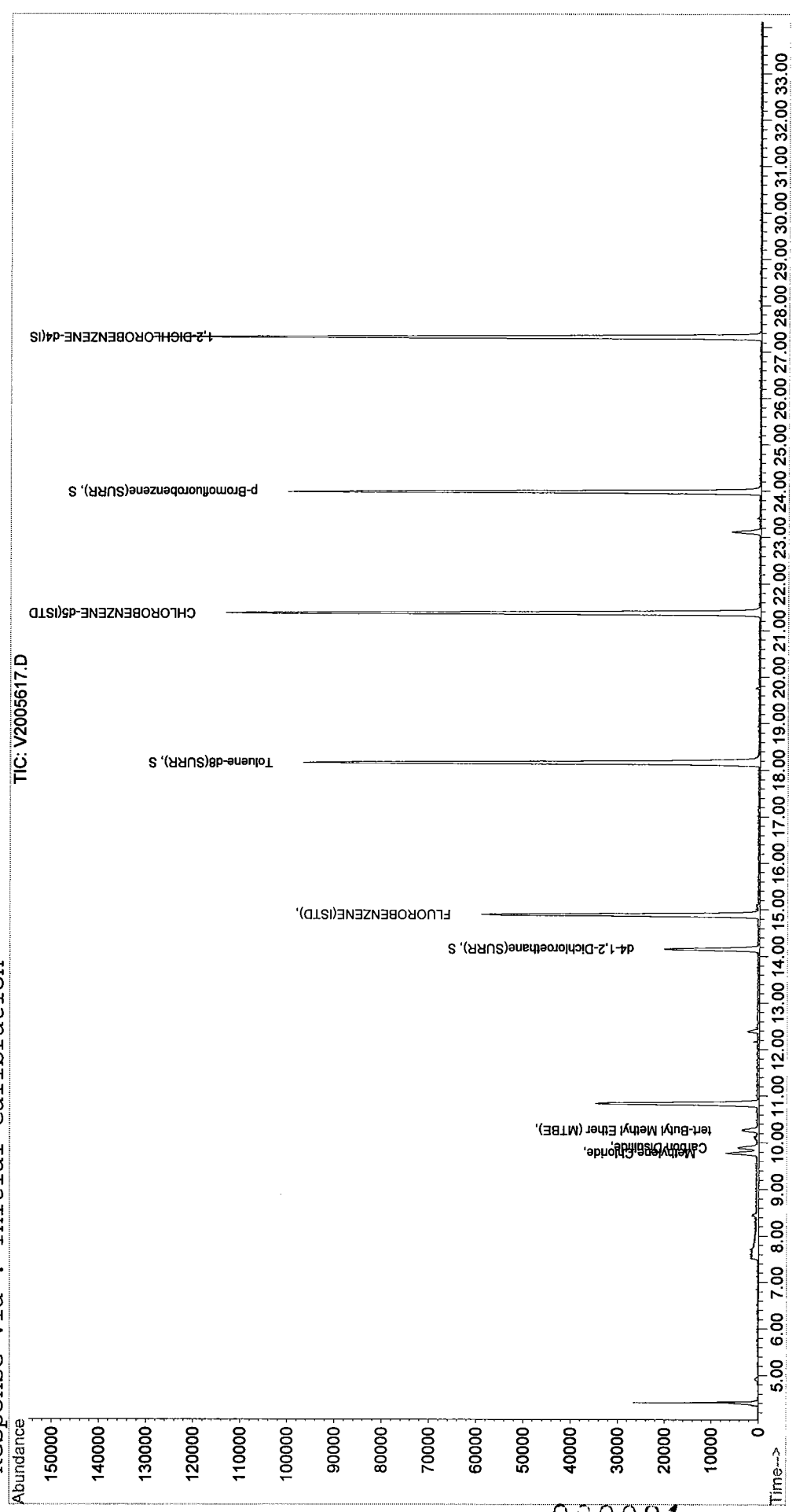
						Qvalue
10) Carbon Disulfide	9.90	76	12623	1.59	ppb	100
11) Methylene Chloride	9.78	49	8543	2.77	ppb	# 97
12) tert-Butyl Methyl Ether (M	10.26	73	5678	1.20	ppb	99

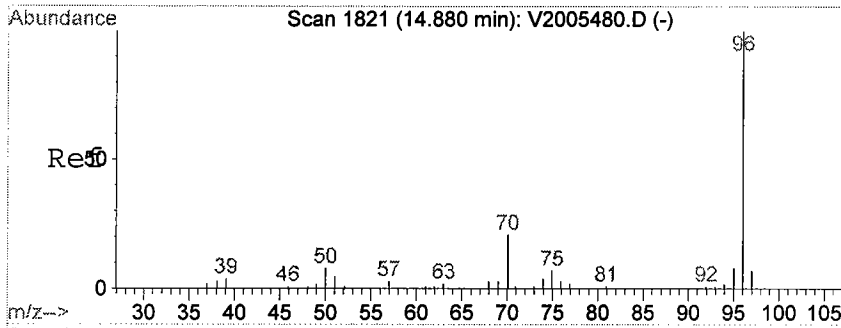
Sy

Data File : C:\HPCHEM\1\DATA\V2005617.D
 Acq On : 23 Aug 2005 8:21 pm
 Sample : 05080545-04 \$8260W/VOAT1CW ASPB
 Misc : QBV2082305A
 MS Integration Params: rteint.p
 Quant Time: Oct 4 10:07 19105

Vial: 10
 Operator: SS
 Inst : VOA No. 2
 Multiplr: 1.00
 Quant Results File: V2C173.RES

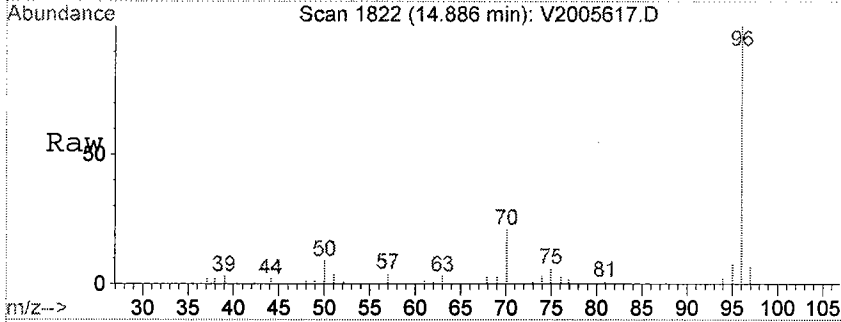
Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Thu Aug 18 08:08:33 2005
 Response via : Initial Calibration





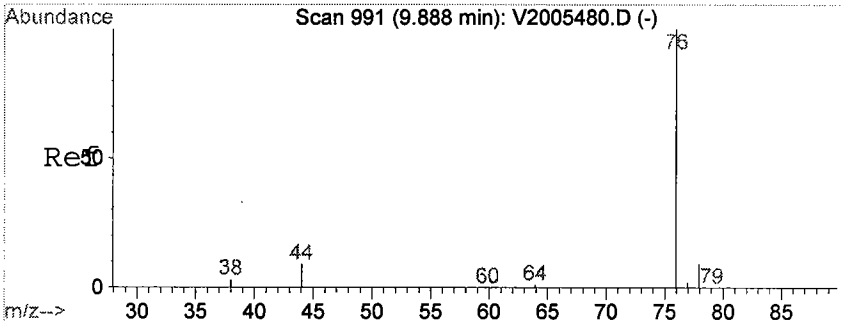
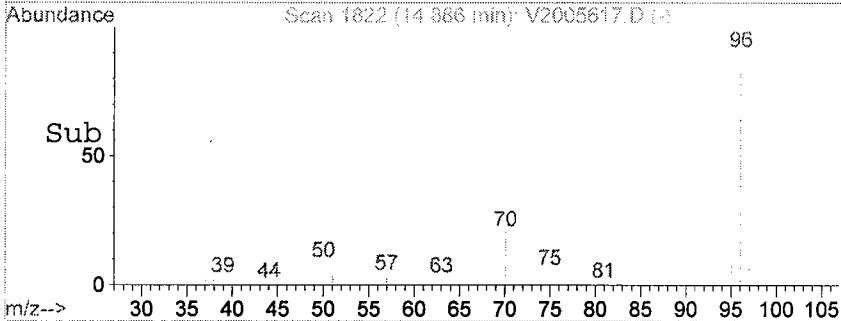
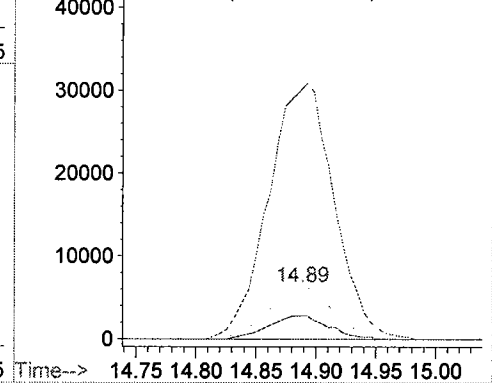
#1
 FLUOROBENZENE (ISTD)
 Concen: 50.00 ppb
 RT: 14.89 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: V2005617.D
 Acq: 23 Aug 2005 8:21 pm

Tgt Ion	Ratio	Lower	Upper
70	100		
96	516.2	404.2	606.2
70	100.0	80.0	120.0
50	43.3	34.5	51.7



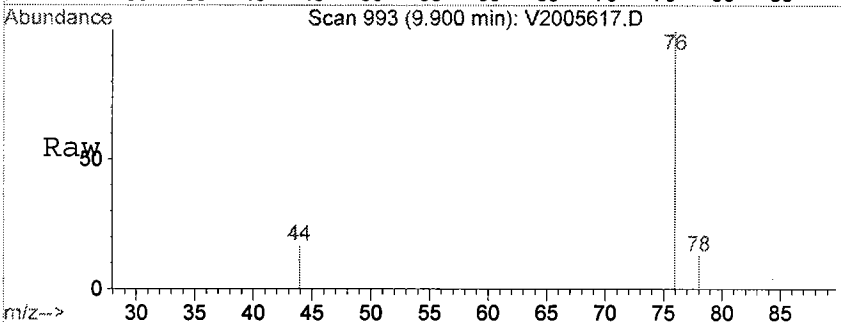
Abundance

Ion 70.00 (69.70 to 70.70): V2005617.
 Ion 96.00 (95.70 to 96.70): V2005617.
 Ion 70.00 (69.70 to 70.70): V2005617.
 Ion 50.00 (49.70 to 50.70): V2005617.



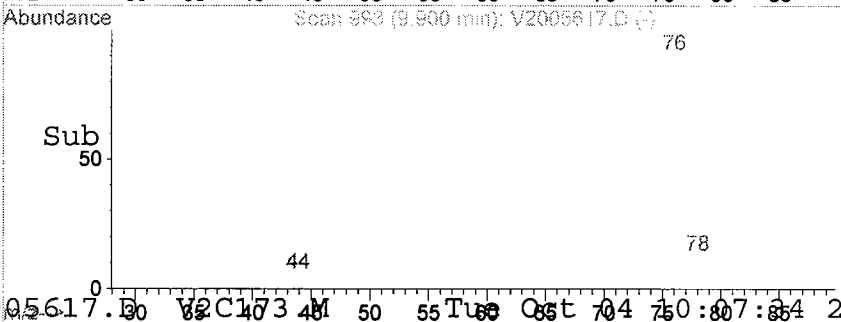
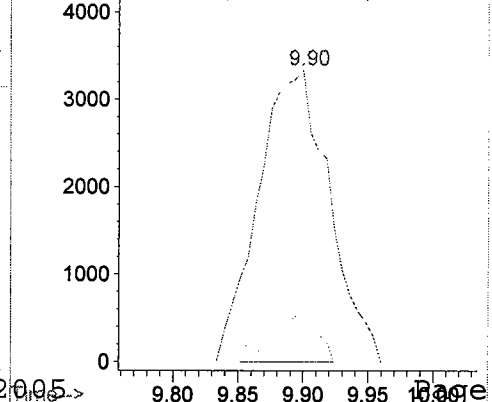
#10
 Carbon Disulfide
 Concen: 1.59 ppb
 RT: 9.90 min Scan# 993
 Delta R.T. 0.01 min
 Lab File: V2005617.D
 Acq: 23 Aug 2005 8:21 pm

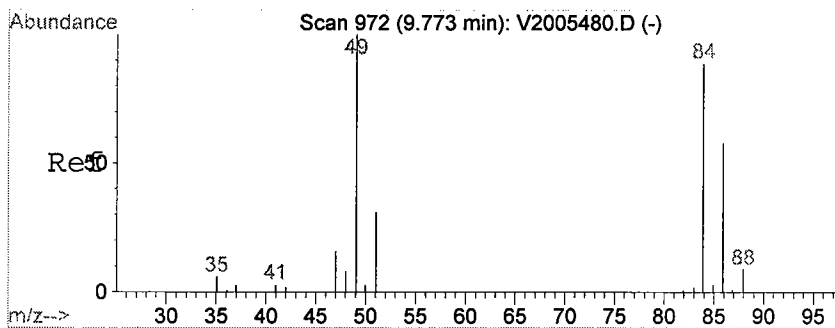
Tgt Ion	Ratio	Lower	Upper
76	100		
76	100.0	80.0	120.0
78	8.4	6.8	10.2



Abundance

Ion 76.00 (75.70 to 76.70): V2005617.
 Ion 76.00 (75.70 to 76.70): V2005617.
 Ion 78.00 (77.70 to 78.70): V2005617.

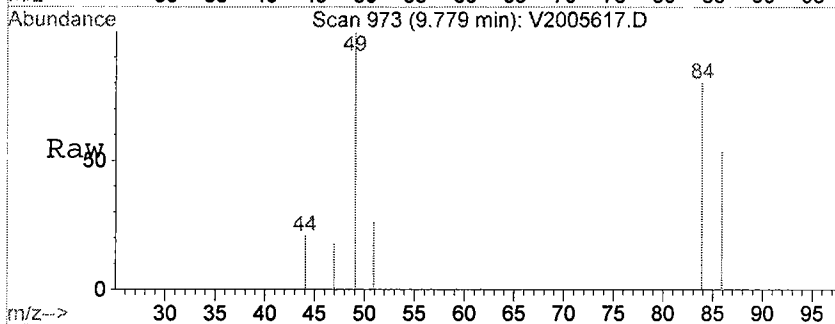




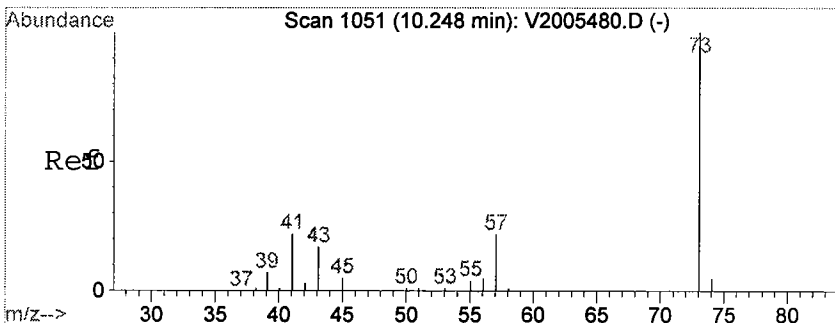
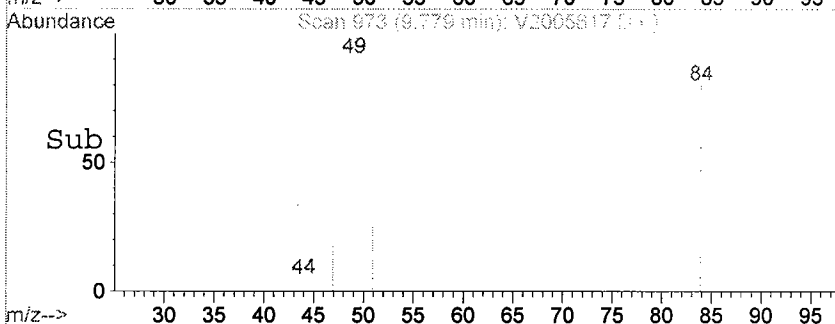
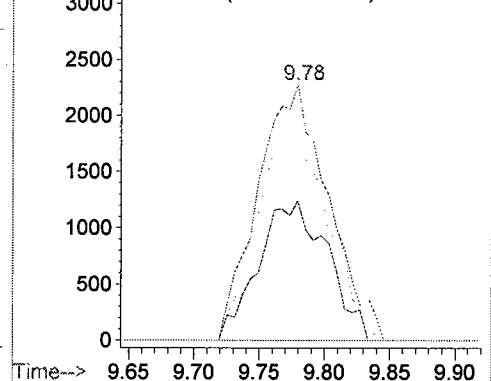
#11
Methylene Chloride
Concen: 2.77 ppb
RT: 9.78 min Scan# 973
Delta R.T. 0.01 min
Lab File: V2005617.D
Acq: 23 Aug 2005 8:21 pm

Tgt Ion: 49 Resp: 8543

Ion	Ratio	Lower	Upper
49	100		
49	100.0	80.0	120.0
84	84.6	71.8	107.8
86	0.0	0.0	0.0



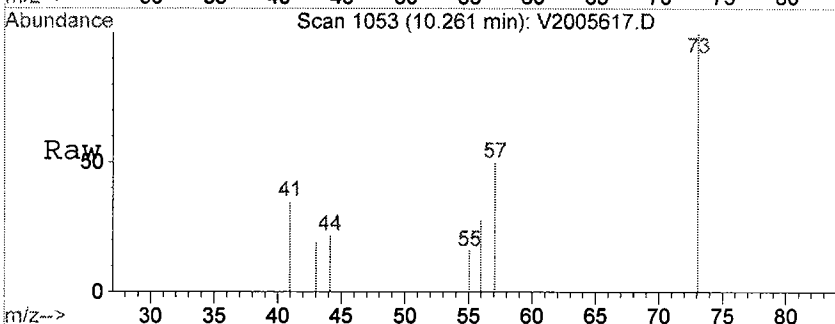
Abundance Ion 48.95 (48.65 to 49.65): V2005617.
3500 Ion 48.95 (48.65 to 49.65): V2005617.
Ion 83.95 (83.65 to 84.65): V2005617.
3000 Ion 85.90 (85.60 to 86.60): V2005617.



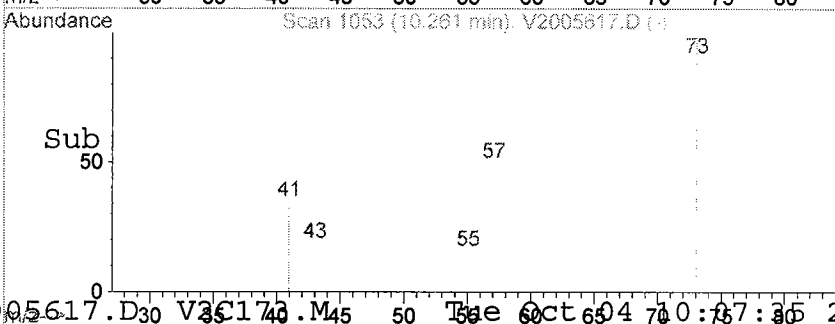
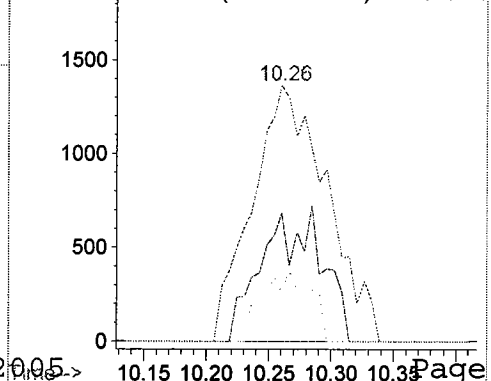
#12
tert-Butyl Methyl Ether (MTBE)
Concen: 1.20 ppb
RT: 10.26 min Scan# 1053
Delta R.T. 0.02 min
Lab File: V2005617.D
Acq: 23 Aug 2005 8:21 pm

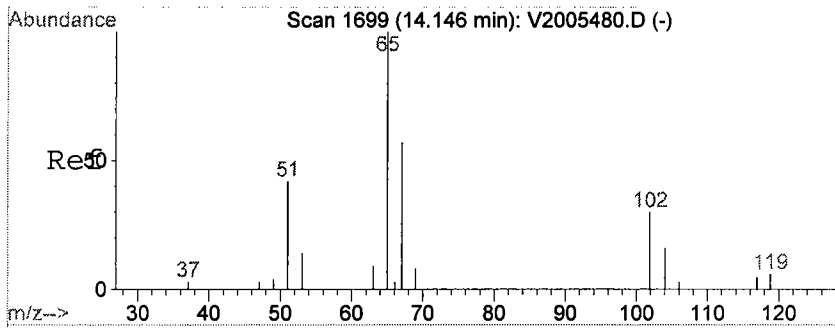
Tgt Ion: 73 Resp: 5678

Ion	Ratio	Lower	Upper
73	100		
73	100.0	80.0	120.0
43	17.4	13.4	20.2
57	20.1	17.2	25.8



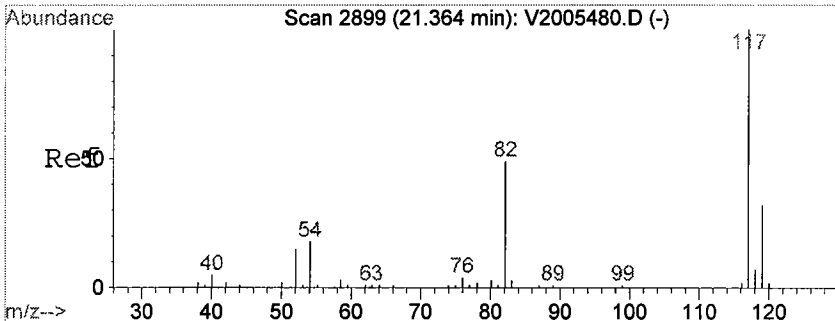
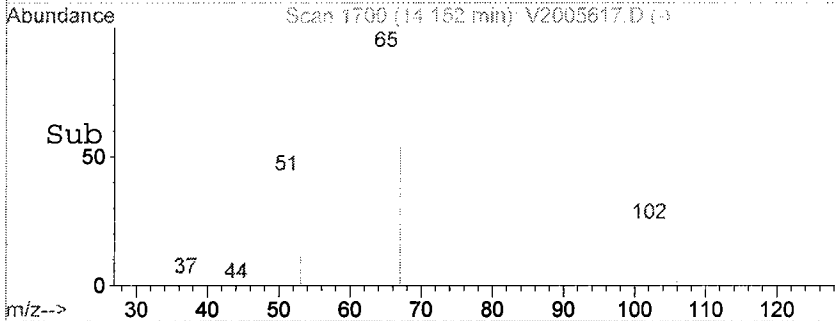
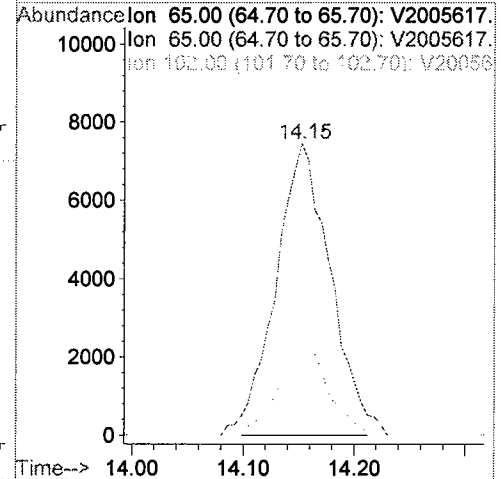
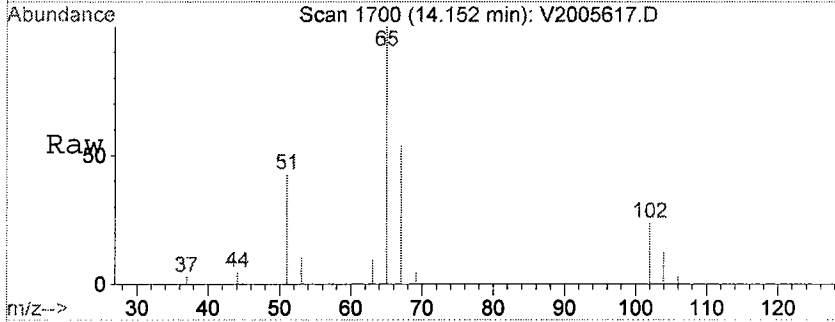
Abundance Ion 73.00 (72.70 to 73.70): V2005617.
2000 Ion 73.00 (72.70 to 73.70): V2005617.
Ion 43.00 (42.70 to 43.70): V2005617.
Ion 57.00 (56.70 to 57.70): V2005617.





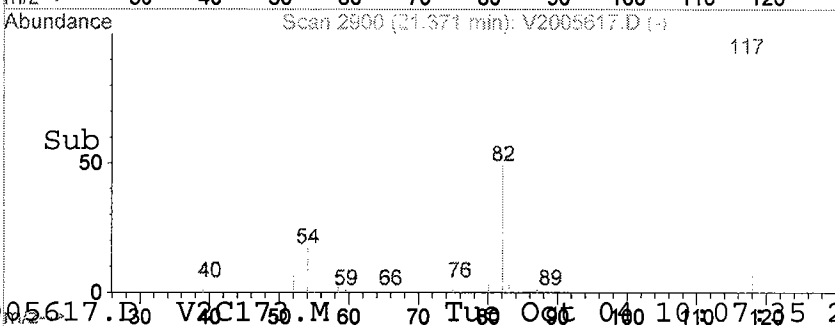
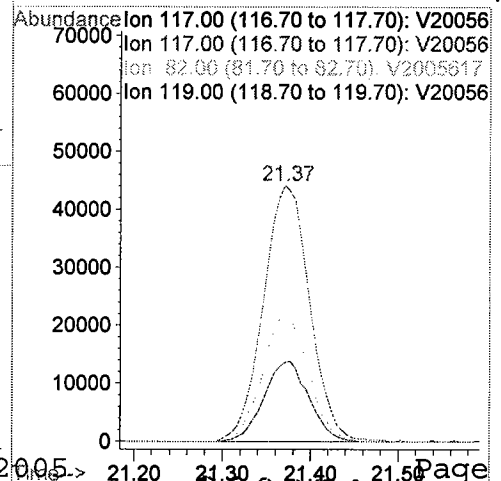
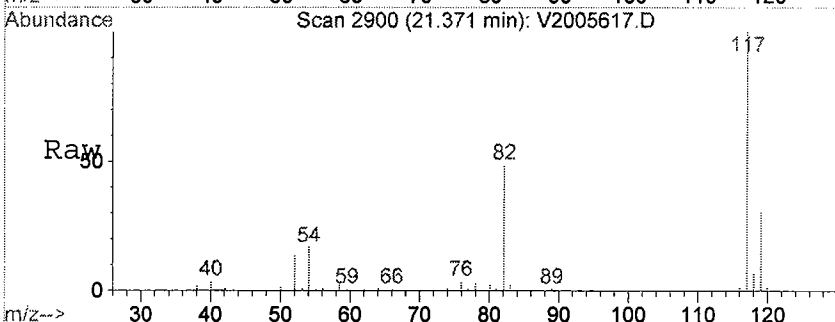
#21
d4-1,2-Dichloroethane (SURR)
Concen: 49.79 ppb
RT: 14.15 min Scan# 1700
Delta R.T. 0.00 min
Lab File: V2005617.D
Acq: 23 Aug 2005 8:21 pm

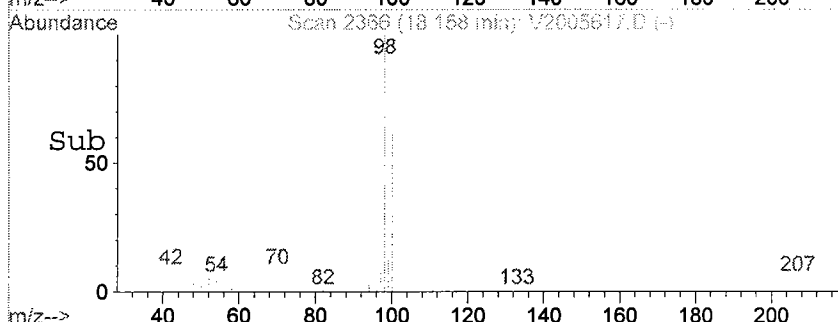
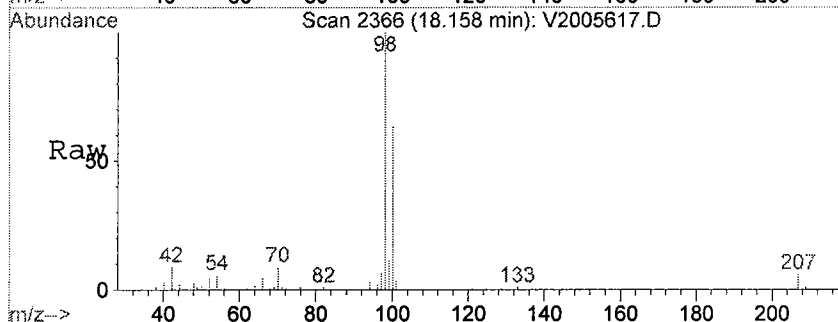
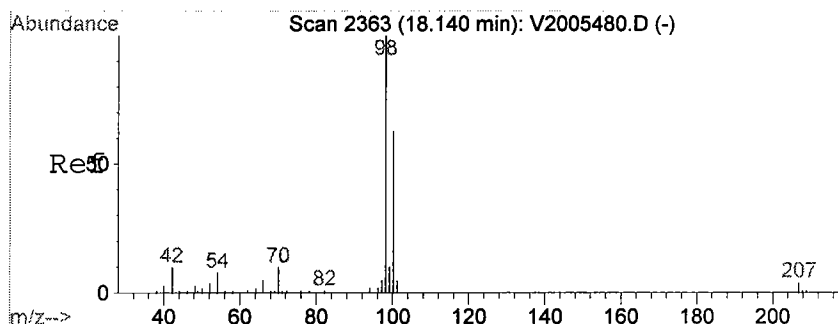
Tgt Ion	Ratio	Lower	Upper
65	100		
65	100.0	80.0	120.0
102	27.4	21.4	32.2



#25
CHLOROBENZENE-d5 (ISTD)
Concen: 50.00 ppb
RT: 21.37 min Scan# 2900
Delta R.T. 0.01 min
Lab File: V2005617.D
Acq: 23 Aug 2005 8:21 pm

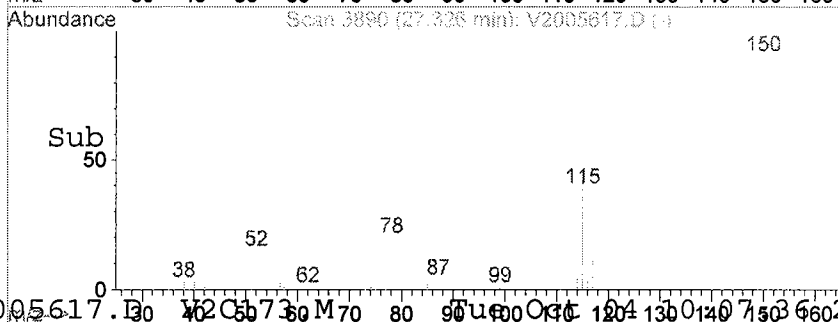
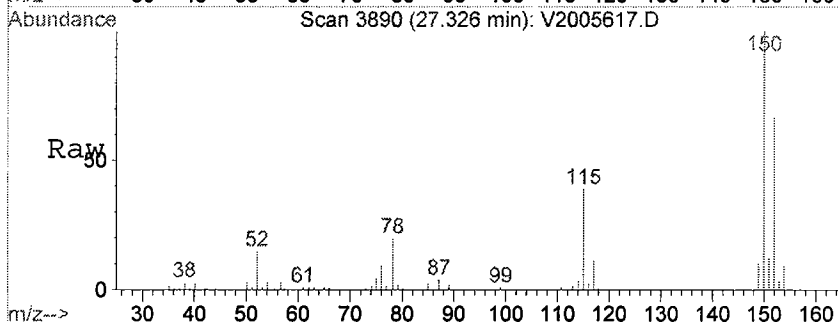
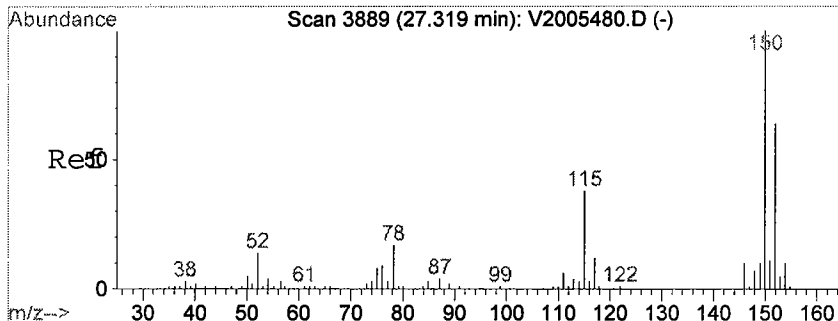
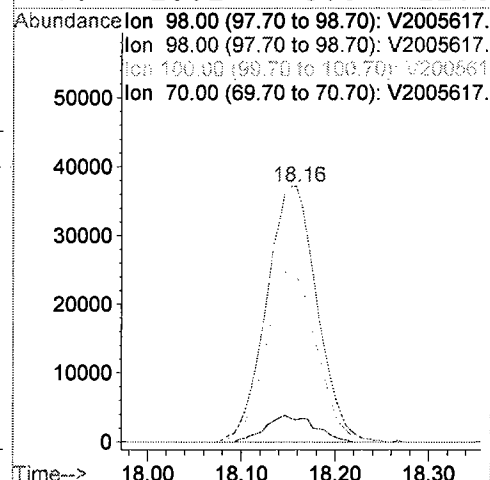
Tgt Ion	Ratio	Lower	Upper
117	100		
117	100.0	80.0	120.0
82	48.8	0.0	0.0#
119	0.0	24.6	37.0#





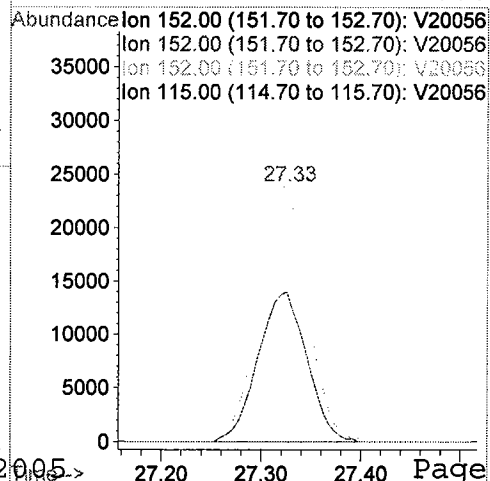
#32
Toluene-d8 (SURR)
Concen: 48.63 ppb
RT: 18.16 min Scan# 2366
Delta R.T. 0.01 min
Lab File: V2005617.D
Acq: 23 Aug 2005 8:21 pm

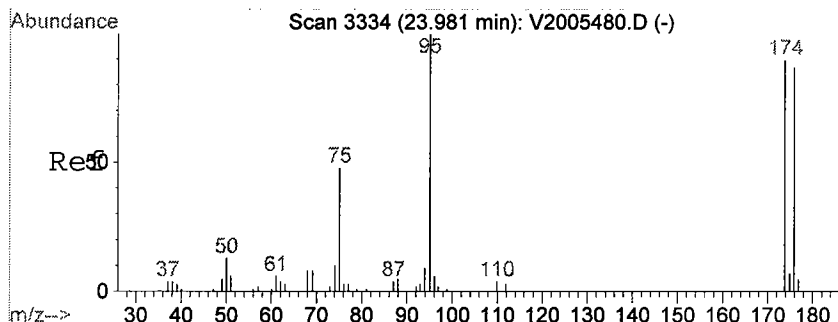
Tgt Ion	Ratio	Lower	Upper
98	100		
98	100.0	80.0	120.0
100	67.4	53.7	80.5
70	10.1	8.0	12.0



#47
1,2-DICHLOROBENZENE-d4 (ISTD)
Concen: 50.00 ppb
RT: 27.33 min Scan# 3890
Delta R.T. 0.01 min
Lab File: V2005617.D
Acq: 23 Aug 2005 8:21 pm

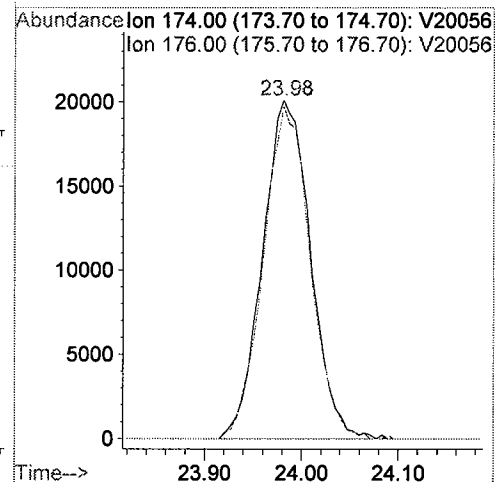
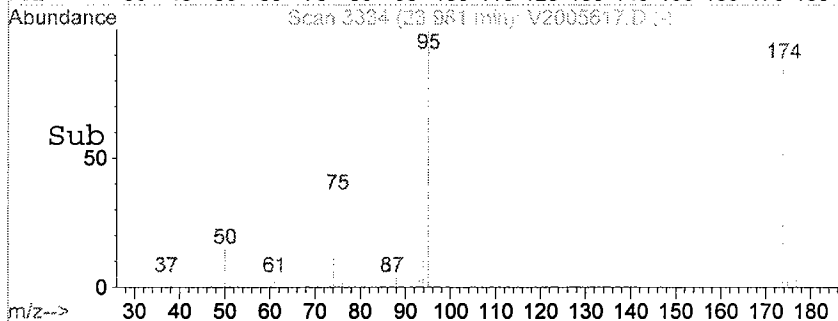
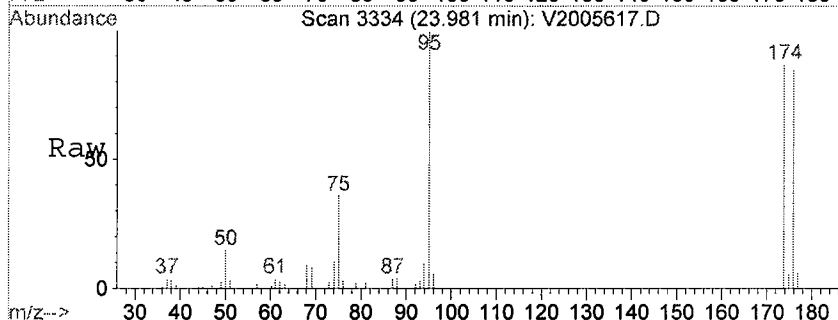
Tgt Ion	Ratio	Lower	Upper
152	100		
152	100.0	80.0	120.0
152	100.0	80.0	120.0
115	0.0	0.0	0.0





#49
 p-Bromofluorobenzene (SURR)
 Concen: 50.12 ppb
 RT: 23.98 min Scan# 3334
 Delta R.T. 0.00 min
 Lab File: V2005617.D
 Acq: 23 Aug 2005 8:21 pm

Tgt Ion: 174 Resp: 68918
 Ion Ratio Lower Upper
 174 100
 176 96.0 75.6 113.4



Client Sample ID

MW-10D

Sample Amount: SOIL=1.0g/WATER=5.0ml

Date Collected: 8/15/05

Sample Type: **WATER**

Matrix: WATER

Date Received: 8/17/05

Dilution Factor:	1.00
------------------	------

Date Analyzed: 8/23/05

SDG: 05080545-04

Level: LOW

Lab ID: 05080545-04

Lab File ID: V2005617.D

CONCENTRATION
UNITS: ug/L DRY

[illegible]

LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\V2005617.D Vial: 10
Acq On : 23 Aug 2005 8:21 pm Operator: SS
Sample : 05080545-04 \$8260W/VOATICW ASPB Inst : VOA No. 2
Misc : QBV2082305A Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
Title : VOCs BY GC/MS 8240/8260
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.5 % of largest Peak
Start Thrs: 0.001 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	4.410	55	64	66	rVV	26701	22591	5.16%	1.064%
2	4.427	66	67	76	rVB	13909	7066	1.61%	0.333%
3	7.518	592	597	599	rBV	1826	2806	0.64%	0.132%
4	8.444	742	751	753	rVV3	1131	2657	0.61%	0.125%
5	9.773	959	972	983	rBV3	6738	25228	5.76%	1.188%
6	9.894	983	992	1006	rVB2	4205	15955	3.64%	0.752%
7	10.261	1043	1053	1055	rVV3	3426	8340	1.90%	0.393%
8	10.285	1055	1057	1066	rVB2	3398	5640	1.29%	0.266%
9	10.832	1131	1148	1166	rVB4	34849	138231	31.57%	6.511%
10	12.390	1399	1407	1417	rVB4	2302	7025	1.60%	0.331%
11	14.158	1688	1701	1714	rBV3	20293	73600	16.81%	3.467%
12	14.892	1807	1823	1839	rBV2	58832	217239	49.61%	10.233%
13	18.152	2349	2365	2389	rBV2	96867	385650	88.06%	18.166%
14	21.371	2879	2900	2924	rBB	113375	412170	94.12%	19.415%
15	23.121	3176	3191	3204	rBB4	6252	24503	5.60%	1.154%
16	23.981	3321	3334	3355	rBB2	100293	336303	76.80%	15.841%
17	27.320	3876	3889	3907	rBB	129067	437920	100.00%	20.628%

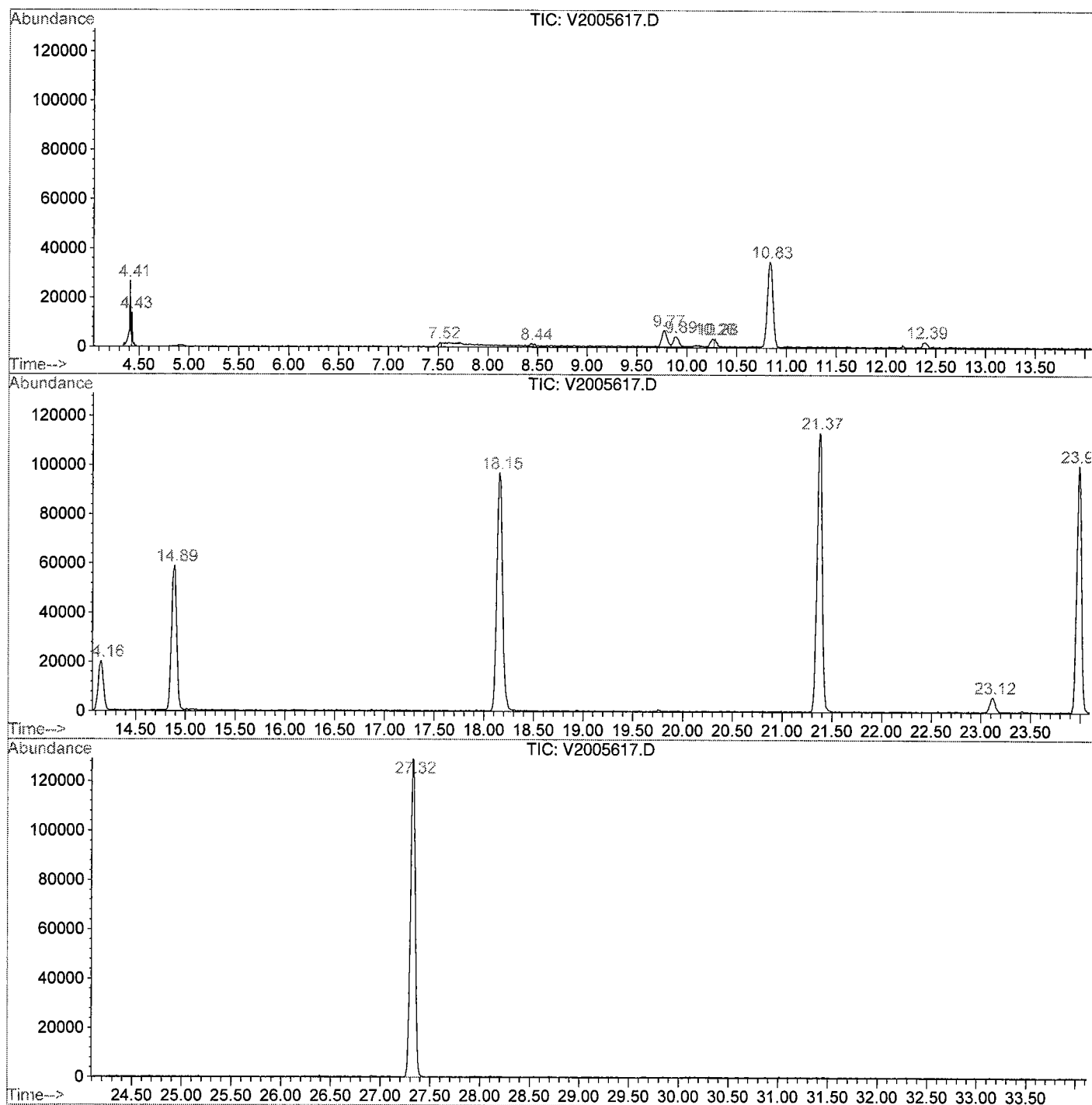
Sum of corrected areas: 2122924

V2005617.D V2C173.M Wed Aug 24 10:49:15 2005

000098

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\V2005617.D
 Operator : SS
 Acquired : 23 Aug 2005 8:21 pm using AcqMethod V2C173
 Instrument : VOA No. 2
 Sample Name: 05080545-04 \$8260W/VOATICW ASPB
 Misc Info : QBV2082305A
 Vial Number: 10
 Quant File :V2C173.RES (RTE Integrator)



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\V2005617.D
Acq On : 23 Aug 2005 8:21 pm
Sample : 05080545-04 \$8260W/VOATICW ASPB
Misc : QBV2082305A
MS Integration Params: RTEINT.P

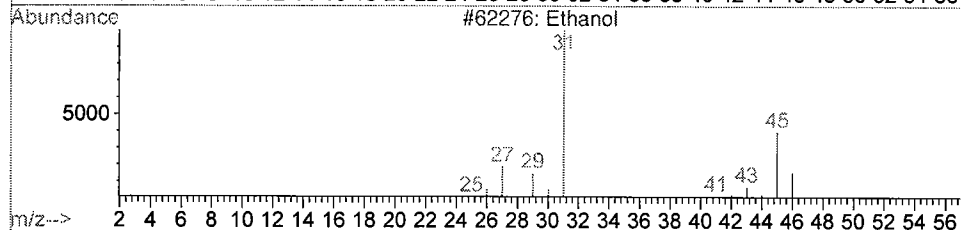
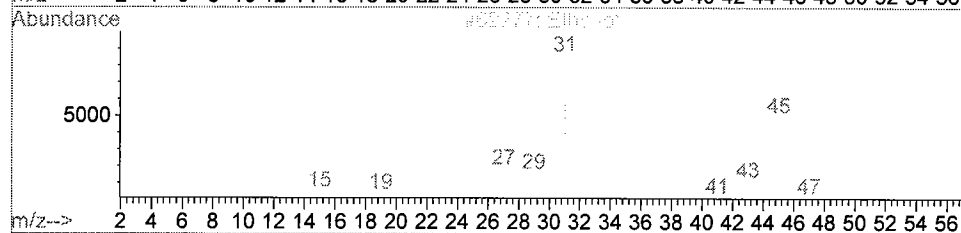
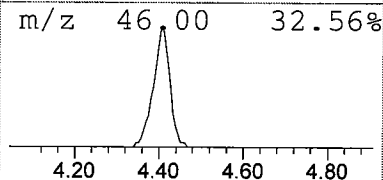
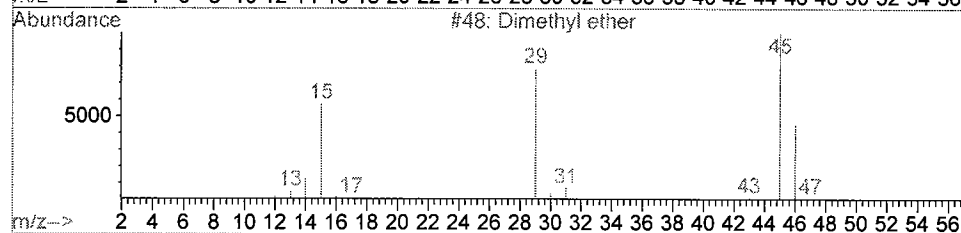
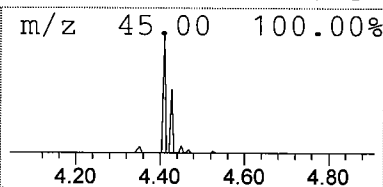
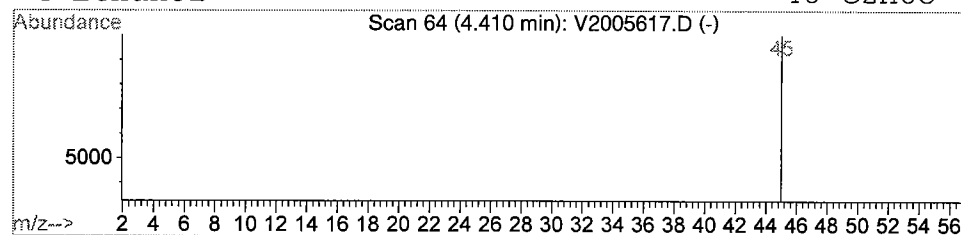
Vial: 10
Operator: SS
Inst : VOA No. 2
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
Title : VOCs BY GC/MS 8240/8260
Library : C:\DATABASE\NBS75K.L

Peak Number 1 Dimethyl ether Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.41	5.20 ppb	22591	FLUOROBENZENE (ISTD)	14.89

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dimethyl ether	46	C2H6O	000115-10-6	5
2			Ethanol	46	C2H6O	000064-17-5	4
3			Ethanol	46	C2H6O	000064-17-5	4
4			Ethanol	46	C2H6O	000064-17-5	4



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\V2005617.D

Acq On : 23 Aug 2005 8:21 pm

Sample : 05080545-04 \$8260W/VOATICW ASPB

Misc : QBV2082305A

MS Integration Params: RTEINT.P

Vial: 10

Operator: SS

Inst : VOA No. 2

Multiplr: 1.00

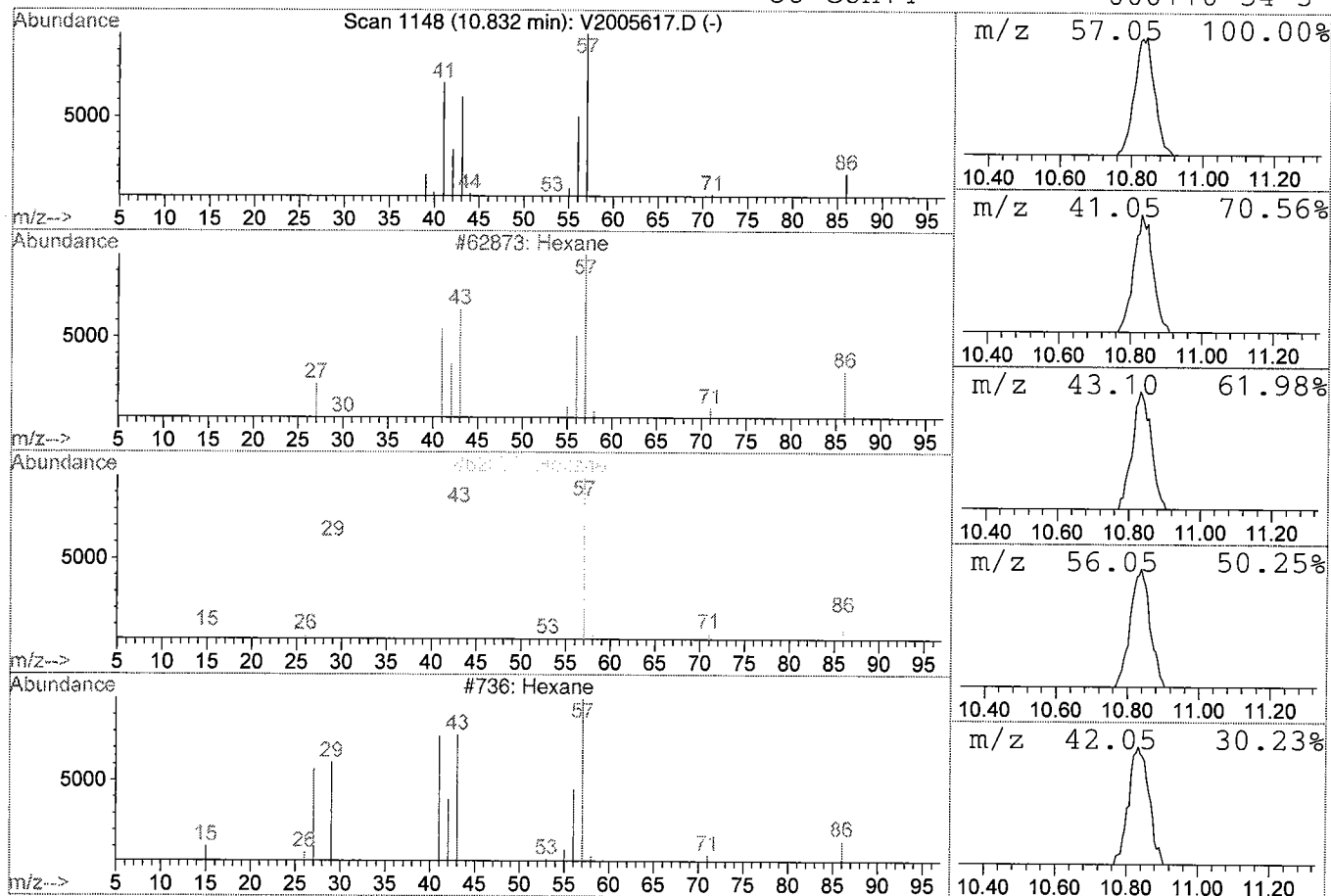
Quant Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Library : C:\DATABASE\NBS75K.L

Peak Number 2 Hexane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.		
10.83	31.82 ppb	138231	FLUOROBENZENE(ISTD)	14.89		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane		86	C6H14	000110-54-3	83
2	Hexane		86	C6H14	000110-54-3	64
3	Hexane		86	C6H14	000110-54-3	53
4	Hexane		86	C6H14	000110-54-3	42



Tentatively Identified Compound (LSC) summary

Operator ID: SS Date Acquired: 23 Aug 2005 8:21 pm
 Data File: C:\HPCHEM\1\DATA\V2005617.D
 Name: 05080545-04 \$8260W/VOATICW ASPB
 Misc: QBV2082305A
 Method: C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
 Title: VOCs BY GC/MS 8240/8260
 Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc Units	Area	IntStd	ISRT	ISArea	ISConc
Dimethyl ether	4.41	5.2 ppb	22591	ISTD01	14.89	217239	50.0
Hexane	10.83	31.8 ppb	138231	ISTD01	14.89	217239	50.0

V2005617.D V2C173.M Wed Aug 24 10:49:26 2005

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

Date Collected: 8/15/05

Sample Type: WATER

Matrix: WATER

Date Received: 8/17/05

SDG: 05080545

Dilution Factor: 10.0

Date Analyzed: 8/24/05

Lab ID: 05080545-05

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

Level: LOW

Lab File ID: V2005649.D

CONCENTRATION
UNITS: ug/L

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
MW-4	05080545-05	Benzene	10 U
MW-4	05080545-05	Bromobenzene	10 U
MW-4	05080545-05	Bromochloromethane	10 U
MW-4	05080545-05	Bromodichloromethane	10 U
MW-4	05080545-05	Bromoform	10 U
MW-4	05080545-05	Bromomethane	10 U
MW-4	05080545-05	n-Butylbenzene	10 U
MW-4	05080545-05	sec-Butylbenzene	10 U
MW-4	05080545-05	tert-Butylbenzene	10 U
MW-4	05080545-05	Carbon tetrachloride	10 U
MW-4	05080545-05	Chlorobenzene	10 U
MW-4	05080545-05	Chloroethane	10 U
MW-4	05080545-05	Chloroform	10 U
MW-4	05080545-05	1-Chlorohexane	10 U
MW-4	05080545-05	Chloromethane	10 U
MW-4	05080545-05	2-Chlorotoluene	10 U
MW-4	05080545-05	4-Chlorotoluene	10 U
MW-4	05080545-05	Dibromochloromethane	10 U
MW-4	05080545-05	1,2-Dibromo-3-chloropropane	10 U
MW-4	05080545-05	1,2-Dibromoethane	10 U
MW-4	05080545-05	Dibromomethane	10 U
MW-4	05080545-05	1,2-Dichlorobenzene	10 U
MW-4	05080545-05	1,3-Dichlorobenzene	10 U
MW-4	05080545-05	1,4-Dichlorobenzene	10 U
MW-4	05080545-05	Dichlorodifluoromethane	10 U
MW-4	05080545-05	1,1-Dichloroethane	10 U
MW-4	05080545-05	1,2-Dichloroethane	10 U
MW-4	05080545-05	1,1-Dichloroethylene	10 U
MW-4	05080545-05	1,2-Dichloroethylene (Total)	580(cis-)
MW-4	05080545-05	1,2-Dichloropropane	10 U
MW-4	05080545-05	1,3-Dichloropropane	10 U
MW-4	05080545-05	2,2-Dichloropropane	10 U
MW-4	05080545-05	1,1-Dichloropropylene	10 U

Client Sample ID

MW-4

CONCENTRATION

UNITS: ug/L

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
MW-4	05080545-05	cis-1,3-Dichloropropylene	10 U
MW-4	05080545-05	trans-1,3-Dichloropropylene	10 U
MW-4	05080545-05	Ethylbenzene	10 U
MW-4	05080545-05	Hexachlorobutadiene	10 U
MW-4	05080545-05	Isopropylbenzene	10 U
MW-4	05080545-05	p-Isopropyltoluene	10 U
MW-4	05080545-05	Methylene chloride	40 B
MW-4	05080545-05	Naphthalene	10 U
MW-4	05080545-05	n-Propylbenzene	10 U
MW-4	05080545-05	Styrene	10 U
MW-4	05080545-05	1,1,1,2-Tetrachloroethane	10 U
MW-4	05080545-05	1,1,2,2-Tetrachloroethane	10 U
MW-4	05080545-05	Tetrachloroethylene	48
MW-4	05080545-05	Toluene	10 U
MW-4	05080545-05	1,2,3-Trichlorobenzene	10 U
MW-4	05080545-05	1,2,4-Trichlorobenzene	10 U
MW-4	05080545-05	1,1,1-Trichloroethane	13
MW-4	05080545-05	1,1,2-Trichloroethane	10 U
MW-4	05080545-05	Trichloroethylene	260
MW-4	05080545-05	Trichlorofluoromethane	10 U
MW-4	05080545-05	1,2,3-Trichloropropane	10 U
MW-4	05080545-05	1,2,3-Trimethylbenzene	10 U
MW-4	05080545-05	1,2,4-Trimethylbenzene	10 U
MW-4	05080545-05	1,3,5-Trimethylbenzene	10 U
MW-4	05080545-05	Vinyl chloride	30
MW-4	05080545-05	o-Xylene	10 U
MW-4	05080545-05	p- & m-Xylenes	10 U
MW-4	05080545-05	MTBE	10 U

Form 1-VOA

Data File : C:\HPCHEM\1\DATA\V2005649.D Vial: 7
 Acq On : 24 Aug 2005 6:39 pm Operator: SS
 Sample : 05080545-05 \$8260W/VOATICW RE 5ML/50ML A Inst : VOA No. 2
 Misc : QBV2082405A Multiplr: 10.00
 MS Integration Params: rteint.p
 Quant Time: Oct 4 11:34 19105 Quant Results File: V2C173.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Thu Aug 18 08:08:33 2005
 Response via : Initial Calibration
 DataAcq Meth : V2C173

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.87	70	23866	50.00	ppb	-0.02
25) CHLOROBENZENE-d5(ISTD)	21.35	117	175673	50.00	ppb	-0.02
47) 1,2-DICHLOROBENZENE-d4(ISTD)	27.30	152	85733	50.00	ppb	-0.01

System Monitoring Compounds

21) d4-1,2-Dichloroethane(SURR)	14.13	65	28055	51.65	ppb	-0.02
Spiked Amount	50.000	Range	37 - 128	Recovery	=	103.30%
32) Toluene-d8(SURR)	18.13	98	150438	48.67	ppb	-0.02
Spiked Amount	50.000	Range	40 - 61	Recovery	=	97.34%#
49) p-Bromofluorobenzene(SURR)	23.96	174	73268	49.89	ppb	-0.02
Spiked Amount	50.000	Range	39 - 68	Recovery	=	99.78%#

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	5.71	62	6559m	29.77	ppb	
11) Methylene Chloride	9.76	49	13085	40.22	ppb	# 55
15) cis-1,2-Dichloroethylene	12.44	96	144362	579.29	ppb	# 33
19) 1,1,1-Trichloroethane	13.64	97	3644	12.61	ppb	# 68
26) Trichloroethylene	15.71	95	65305	259.76	ppb	# 99
37) Tetrachloroethylene	19.73	166	13377	48.43	ppb	# 64

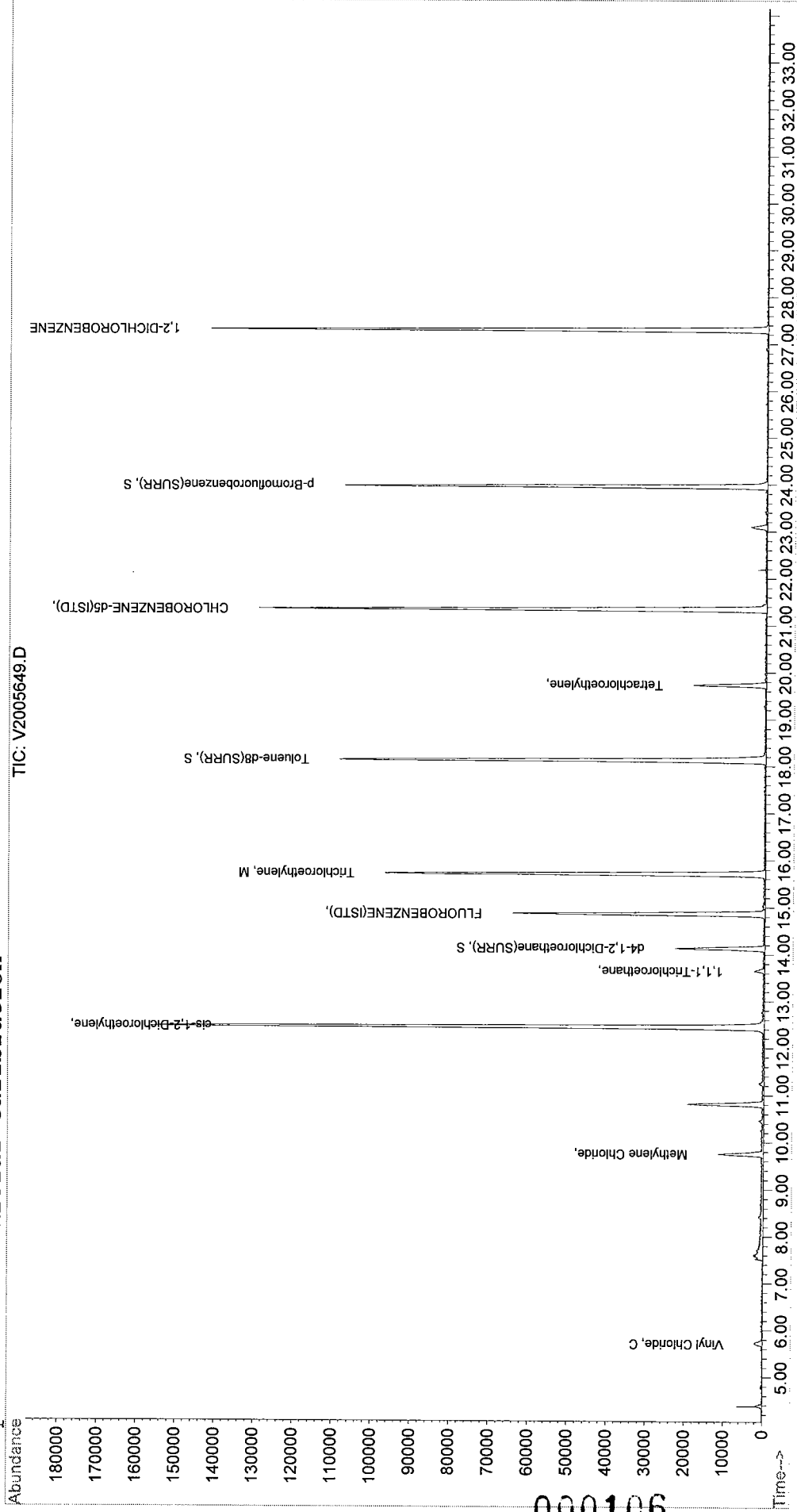
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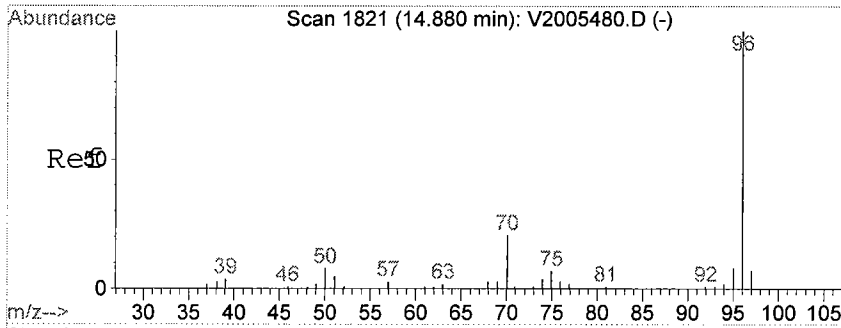
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(#) = qualifier out of range (m) = manual integration

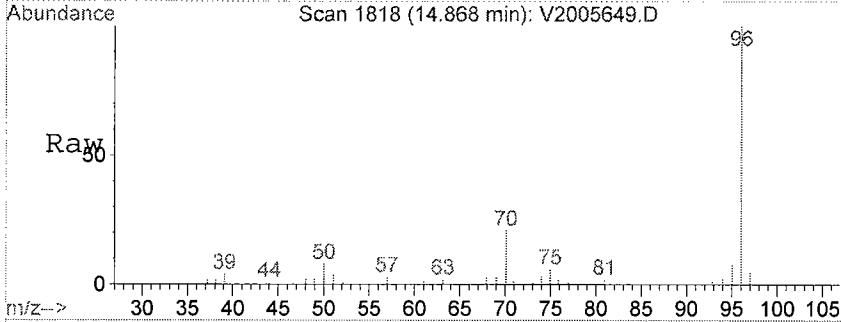
Data File : C:\HPCHEM\1\DATA\V2005649.D Vial: 7
Acq On : 24 Aug 2005 6:39 pm Operator: SS
Sample : 05080545-05 \$8260W/VOATICW RE 5ML/50ML A Inst : VOA No. 2
Misc : QBV2082405A Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: Oct 4 11:34 19105 Quant Results File: V2C173.RES

Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
Title : VOCs BY GC/MS 8240/8260
Last Update : Thu Aug 18 08:08:33 2005
Response via : Initial Calibration

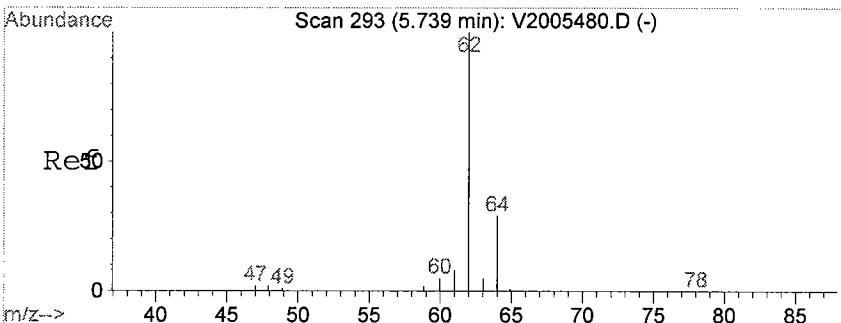
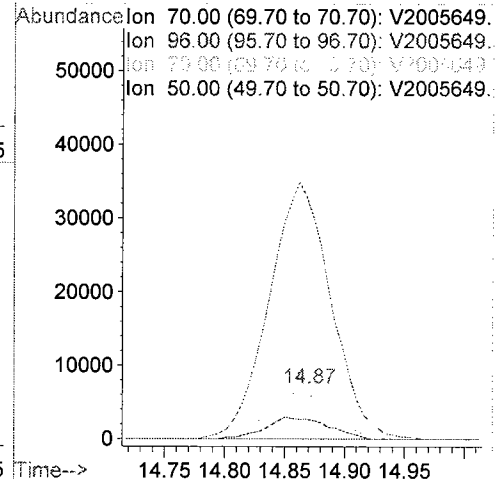
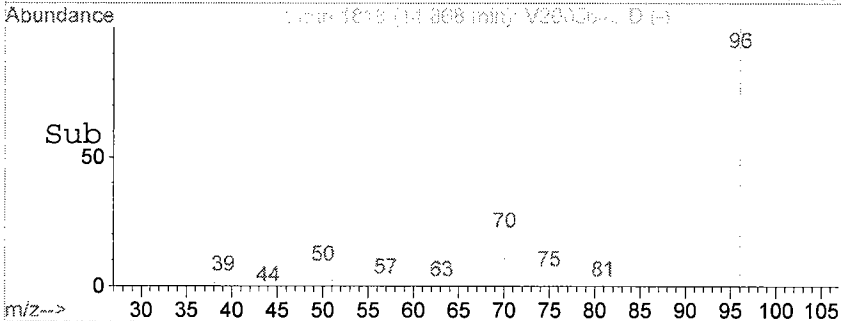




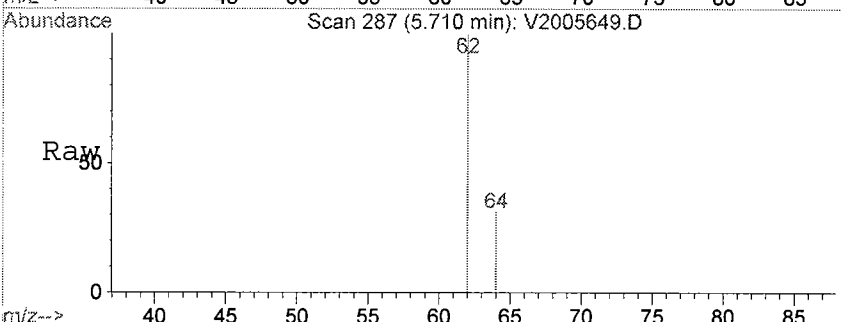
#1
 FLUOROBENZENE (ISTD)
 Concen: 50.00 ppb
 RT: 14.87 min Scan# 1818
 Delta R.T. -0.02 min
 Lab File: V2005649.D
 Acq: 24 Aug 2005 6:39 pm



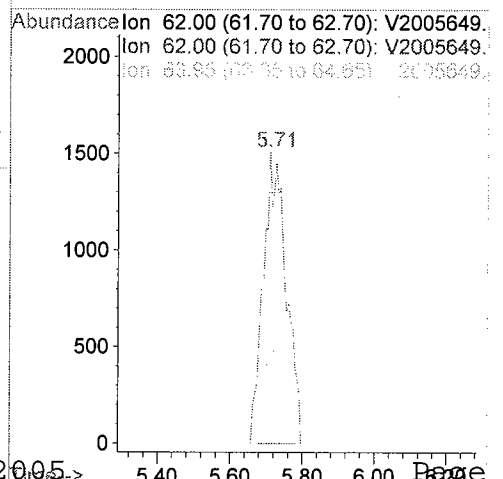
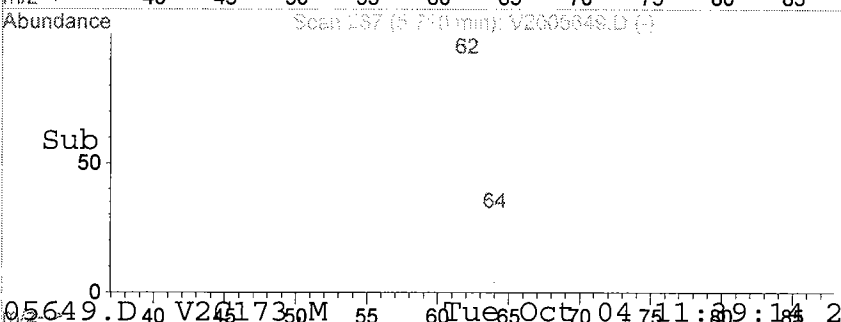
Tgt Ion: 70 Resp: 23866
 Ion Ratio Lower Upper
 70 100
 96 524.4 404.2 606.2
 70 100.0 80.0 120.0
 50 44.6 34.5 51.7

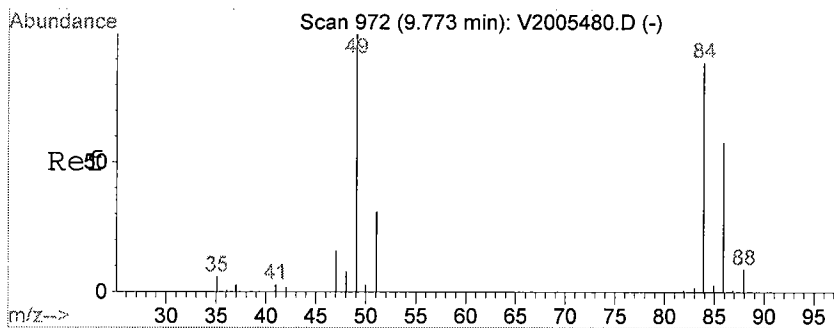


#4
 Vinyl Chloride
 Concen: 29.77 ppb m
 RT: 5.71 min Scan# 287
 Delta R.T. -0.03 min
 Lab File: V2005649.D
 Acq: 24 Aug 2005 6:39 pm



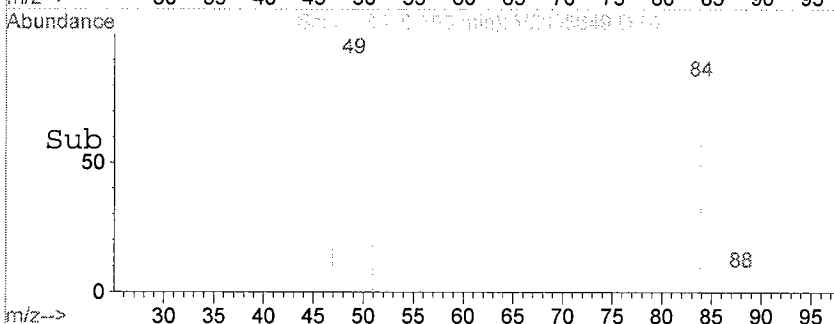
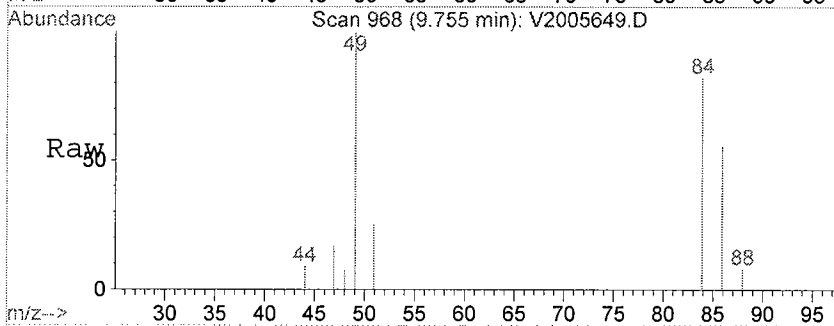
Tgt Ion: 62 Resp: 6559
 Ion Ratio Lower Upper
 62 100
 62 57.8 80.0 120.0#
 64 0.0 24.9 37.3#



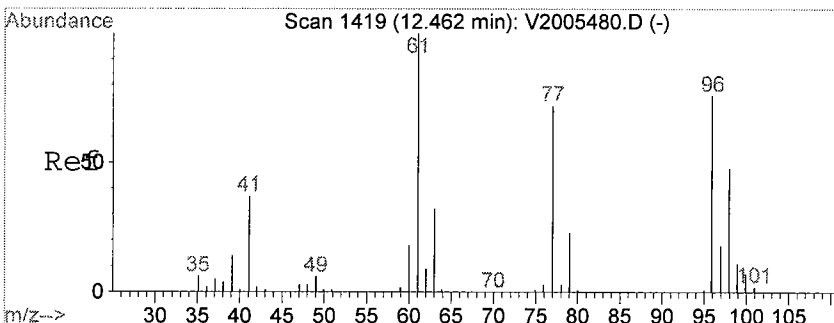
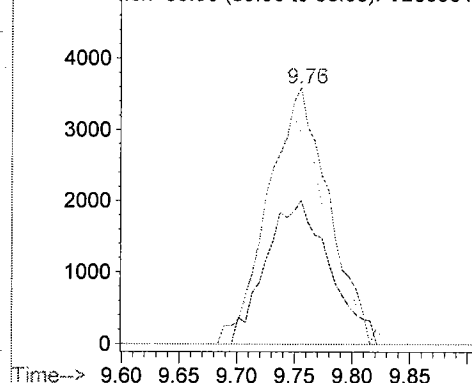


#11
Methylene Chloride
Concen: 40.22 ppb
RT: 9.76 min Scan# 968
Delta R.T. -0.01 min
Lab File: V2005649.D
Acq: 24 Aug 2005 6:39 pm

Tgt Ion: 49 Resp: 13085
Ion Ratio Lower Upper
49 100
49 100.0 80.0 120.0
84 0.0 71.8 107.8#
86 58.7 0.0 0.0#

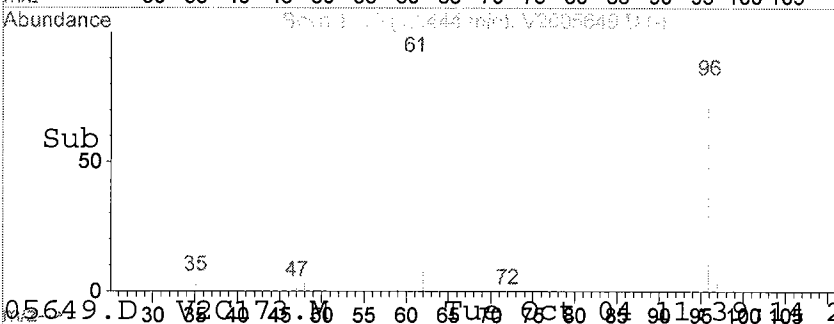
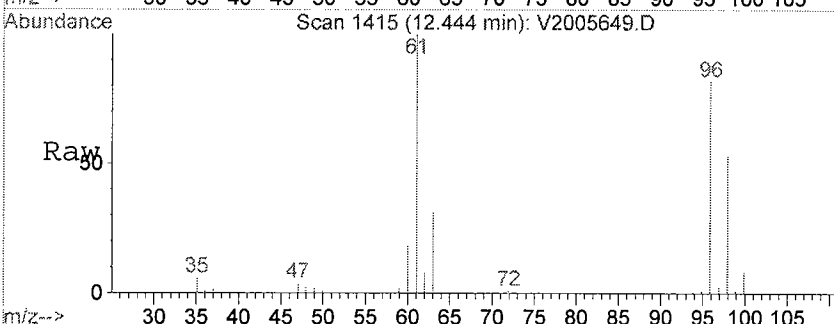


Abundance Ion 48.95 (48.65 to 49.65): V2005649.
Ion 48.95 (48.65 to 49.65): V2005649.
Ion 85.90 (85.60 to 86.60): V2005649.

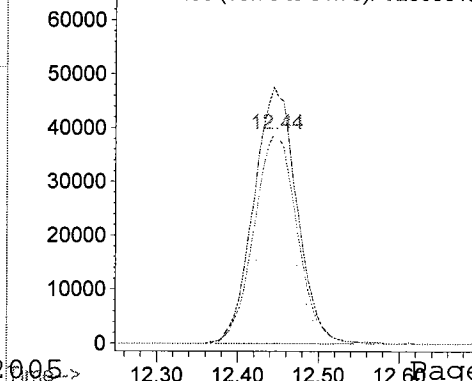


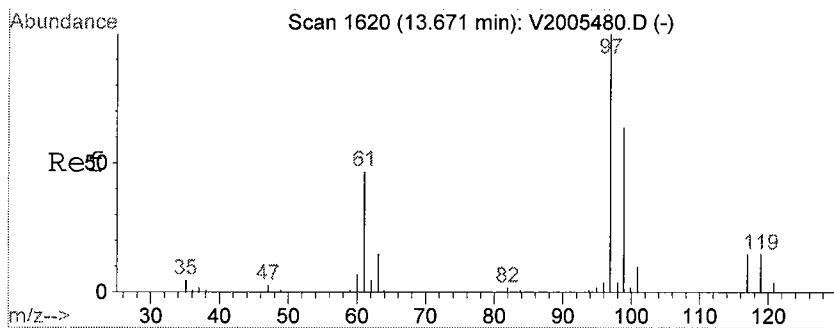
#15
cis-1,2-Dichloroethylene
Concen: 579.29 ppb
RT: 12.44 min Scan# 1415
Delta R.T. -0.02 min
Lab File: V2005649.D
Acq: 24 Aug 2005 6:39 pm

Tgt Ion: 96 Resp: 144362
Ion Ratio Lower Upper
96 100
96 100.0 80.0 120.0
98 64.7 0.0 0.0#
61 0.0 111.0 166.4#



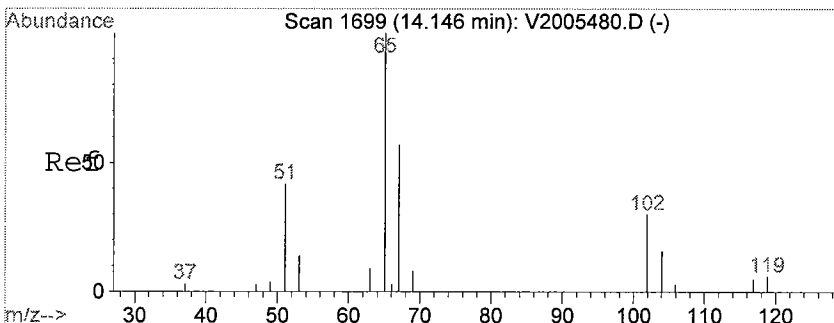
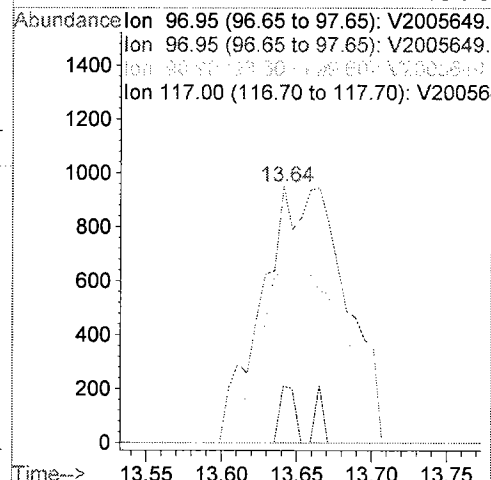
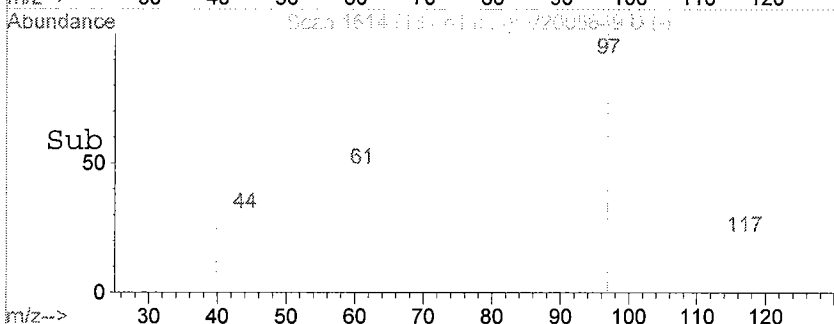
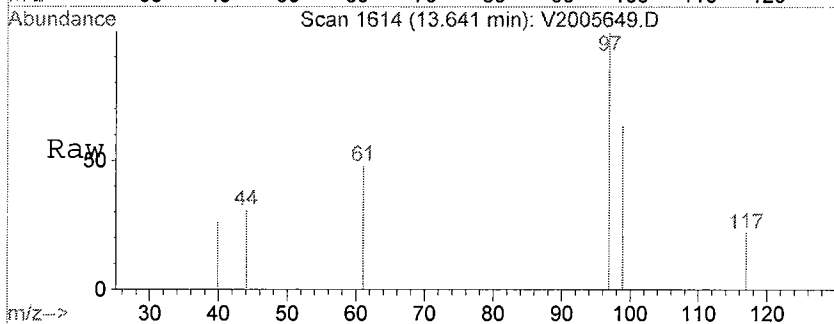
Abundance Ion 95.95 (95.65 to 96.65): V2005649.
Ion 95.95 (95.65 to 96.65): V2005649.
Ion 97.95 (97.65 to 98.65): V2005649.
Ion 61.00 (60.70 to 61.70): V2005649.





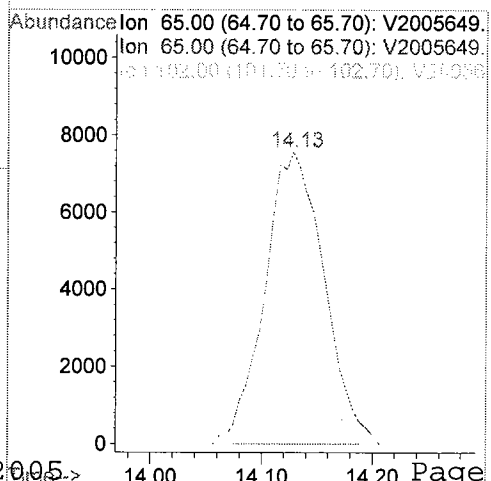
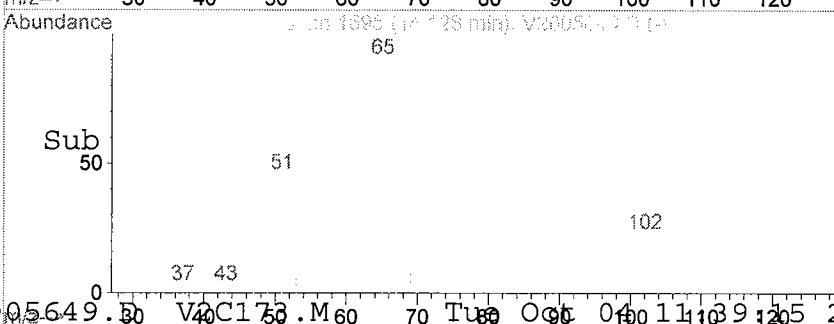
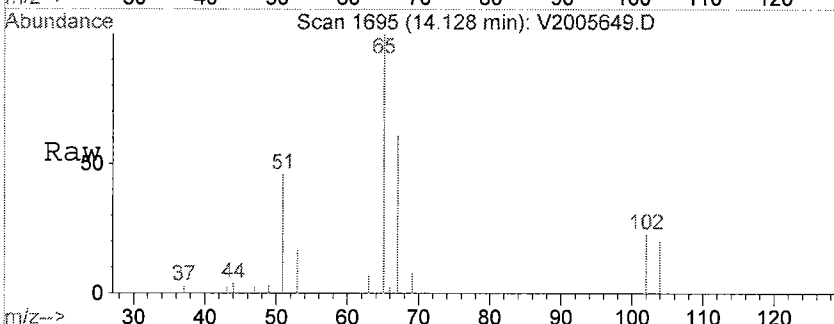
#19
1,1,1-Trichloroethane
Concen: 12.61 ppb
RT: 13.64 min Scan# 1614
Delta R.T. -0.04 min
Lab File: V2005649.D
Acq: 24 Aug 2005 6:39 pm

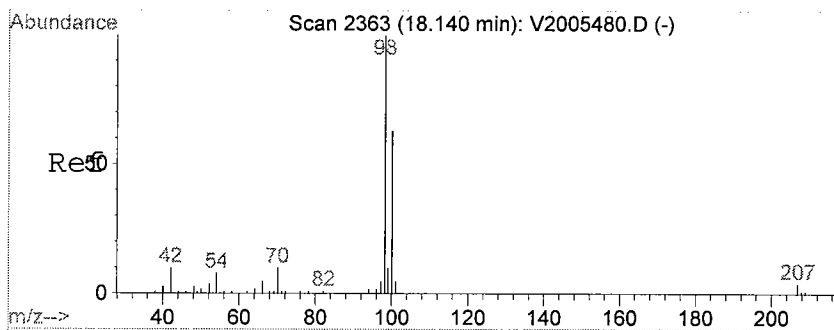
Tgt Ion: 97 Resp: 3644
Ion Ratio Lower Upper
97 100
97 100.0 80.0 120.0
99 0.0 52.3 78.5#
117 4.1 12.4 18.6#



#21
d4-1,2-Dichloroethane (SURR)
Concen: 51.65 ppb
RT: 14.13 min Scan# 1695
Delta R.T. -0.02 min
Lab File: V2005649.D
Acq: 24 Aug 2005 6:39 pm

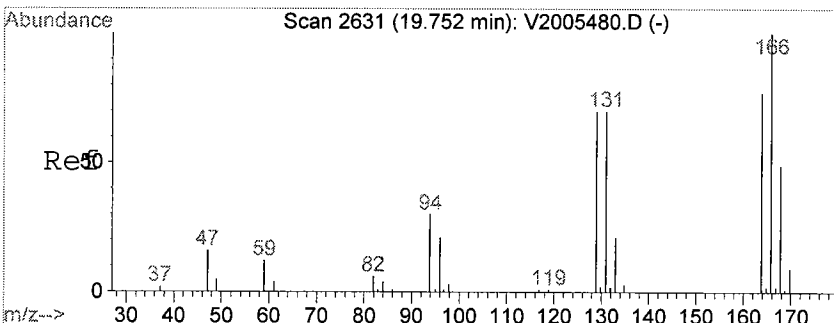
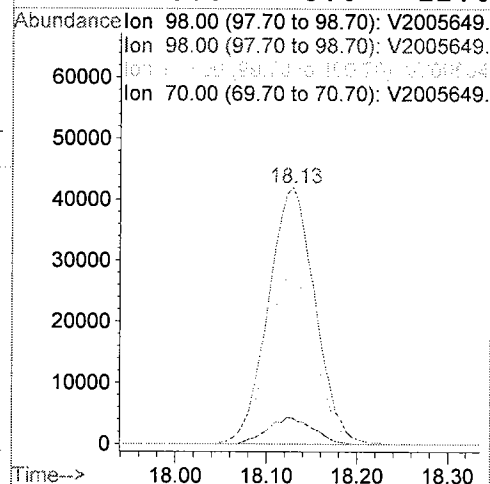
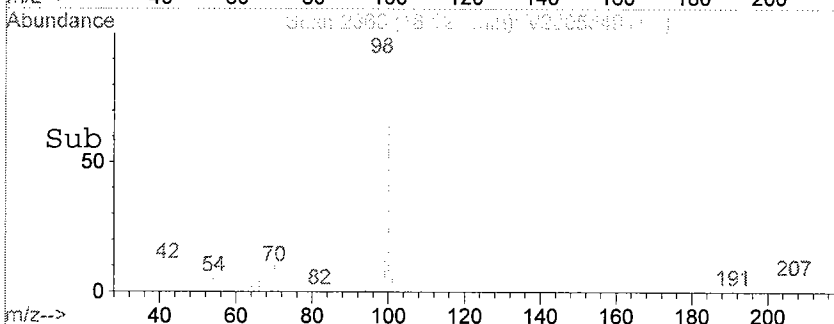
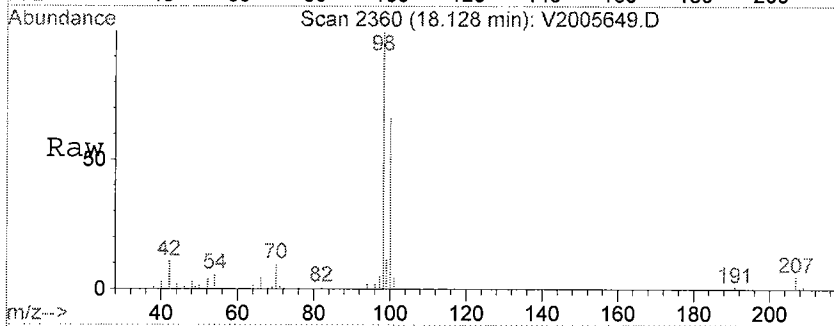
Tgt Ion: 65 Resp: 28055
Ion Ratio Lower Upper
65 100
65 100.0 80.0 120.0
102 25.8 21.4 32.2





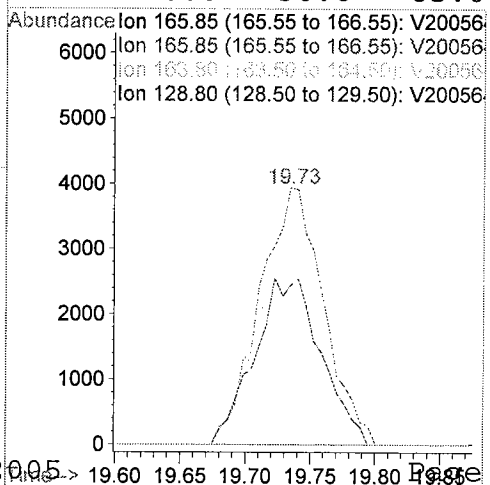
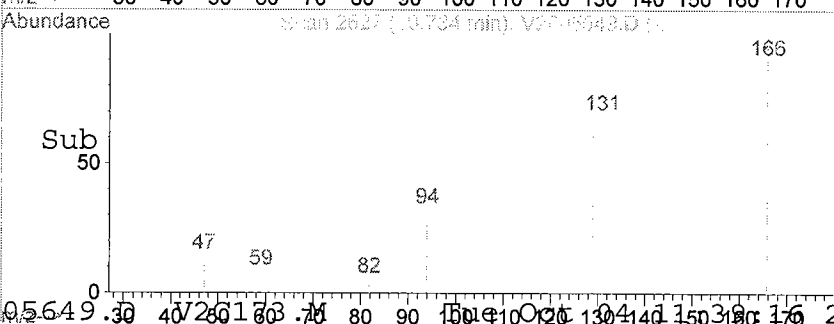
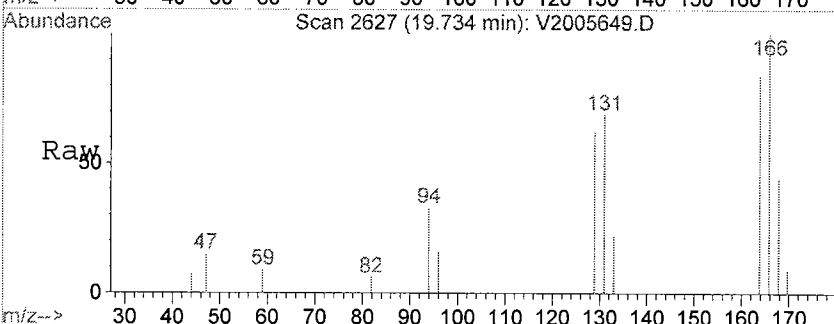
#32
Toluene-d8 (SURR)
Concen: 48.67 ppb
RT: 18.13 min Scan# 2360
Delta R.T. -0.02 min
Lab File: V2005649.D
Acq: 24 Aug 2005 6:39 pm

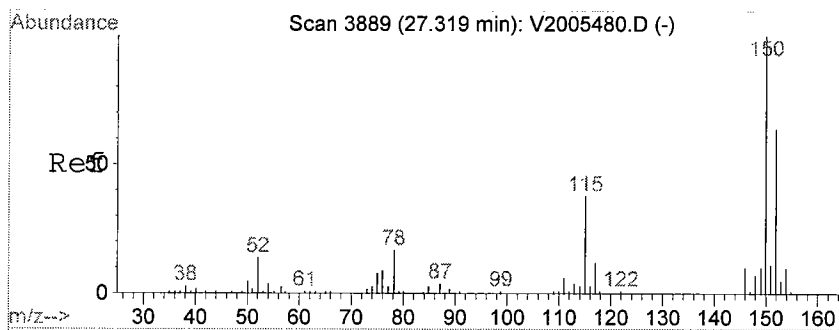
Tgt Ion: 98 Resp: 150438
Ion Ratio Lower Upper
98 100
98 100.0 80.0 120.0
100 67.5 53.7 80.5
70 0.0 8.0 12.0#



#37
Tetrachloroethylene
Concen: 48.43 ppb
RT: 19.73 min Scan# 2627
Delta R.T. -0.02 min
Lab File: V2005649.D
Acq: 24 Aug 2005 6:39 pm

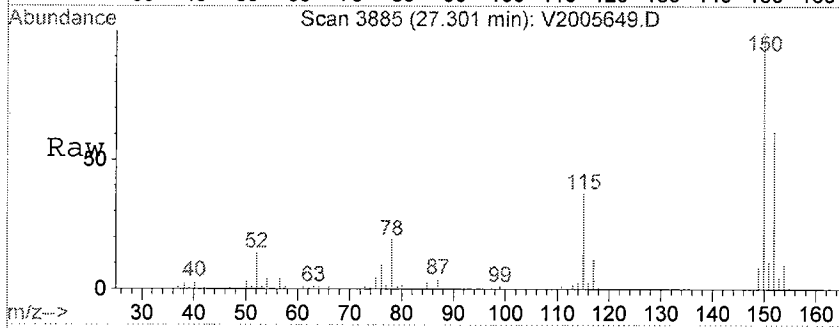
Tgt Ion: 166 Resp: 13377
Ion Ratio Lower Upper
166 100
166 100.0 80.0 120.0
164 0.0 0.0 0.0
129 0.0 56.6 85.0#





#47
 1,2-DICHLOROBENZENE-d4 (ISTD)
 Concen: 50.00 ppb
 RT: 27.30 min Scan# 3885
 Delta R.T. -0.01 min
 Lab File: V2005649.D
 Acq: 24 Aug 2005 6:39 pm

Tgt 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



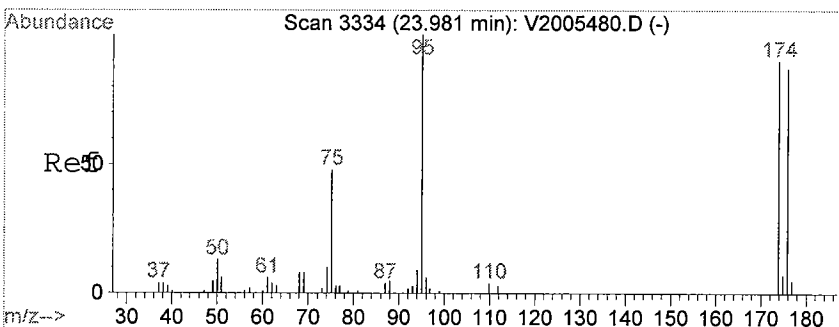
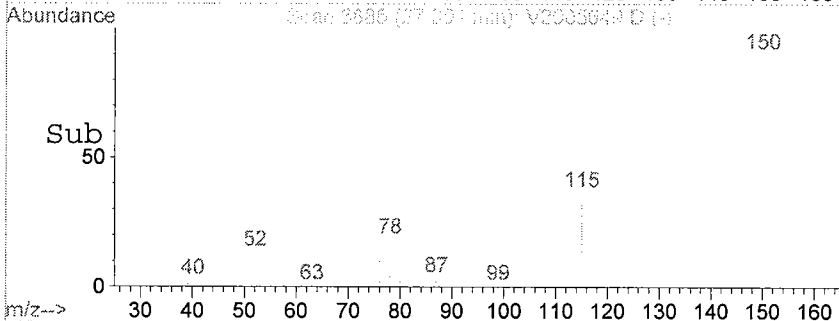
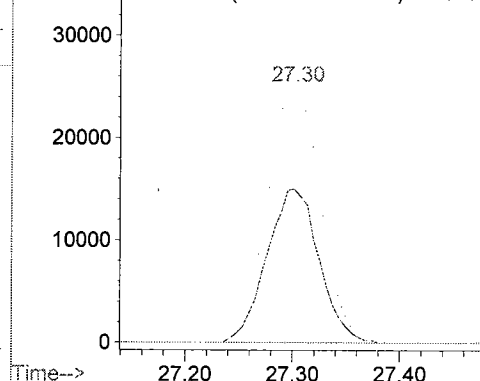
Abundance

Ion 152.00 (151.70 to 152.70): V20056

Ion 152.00 (151.70 to 152.70): V20056

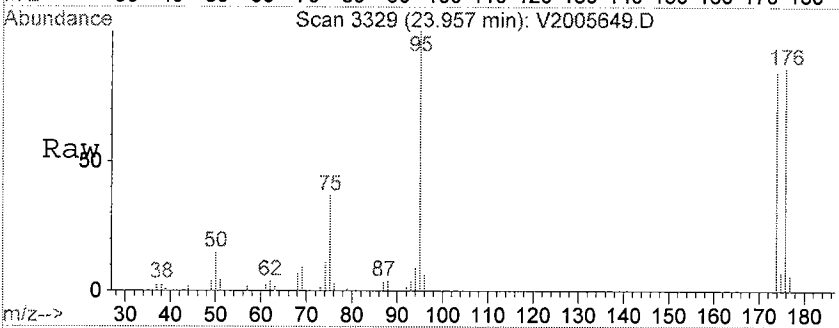
Ion 152.00 (151.70 to 152.70): V20056

Ion 115.00 (114.70 to 115.70): V20056



#49
 p-Bromofluorobenzene (SURR)
 Concen: 49.89 ppb
 RT: 23.96 min Scan# 3329
 Delta R.T. -0.02 min
 Lab File: V2005649.D
 Acq: 24 Aug 2005 6:39 pm

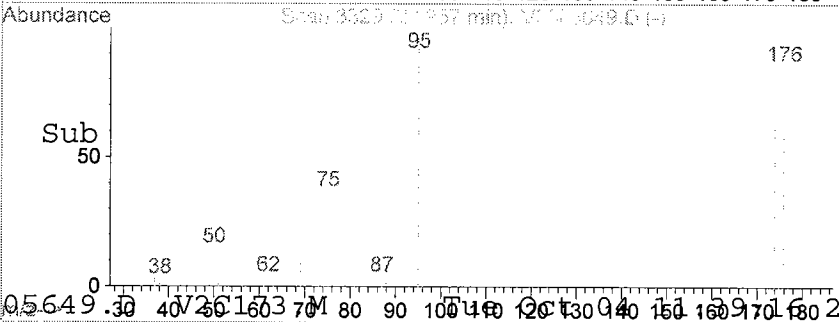
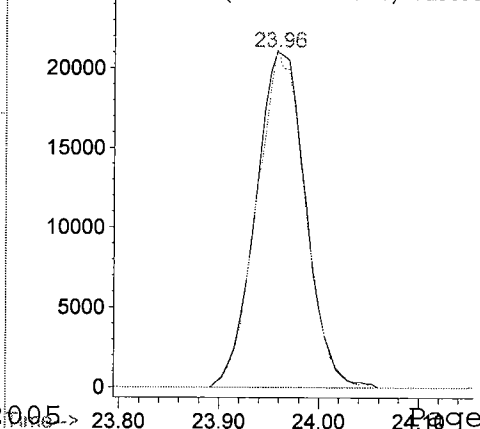
Tgt Ion	Ratio	Lower	Upper
174	100		
176	96.7	75.6	113.4



Abundance

Ion 174.00 (173.70 to 174.70): V20056

Ion 176.00 (175.70 to 176.70): V20056



Client Sample ID

MW-4

Sample Amount: SOIL=1.0g/WATER=5.0ml

Date Collected: 8/15/05

Sample Type: **WATER**

Matrix: WATER

Date Received: 8/17/05

Dilution Factor: 10.00

Date Analyzed: 8/24/05

SDG: 05080545-05

Level: **LOW**

Lab ID: 05080545-05

Lab File ID: V2005649.D

CONCENTRATION
UNITS: ug/L DRY

[illegible]

LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\V2005649.D Vial: 7
Acq On : 24 Aug 2005 6:39 pm Operator: SS
Sample : 05080545-05 \$8260W/VOATICW RE 5ML/50ML A Inst : VOA No. 2
Misc : QBV2082405A Multiplr: 10.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
Title : VOCs BY GC/MS 8240/8260
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.5 % of largest Peak
Start Thrs: 0.001 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	4.381	47	58	68	rBB	6427	7184	1.25%	0.226%
2	5.727	276	290	303	rBB2	2173	9696	1.68%	0.305%
3	7.524	594	597	599	rBV	1982	3377	0.59%	0.106%
4	7.602	603	610	611	rVV3	1548	3599	0.62%	0.113%
5	9.749	955	967	981	rBV3	11346	41774	7.25%	1.313%
6	10.808	1131	1143	1161	rVB3	19238	70987	12.32%	2.232%
7	11.253	1208	1217	1227	rBV	1171	3919	0.68%	0.123%
8	12.444	1393	1415	1433	rBV	156392	576088	100.00%	18.114%
9	13.641	1604	1614	1626	rBB3	2767	10037	1.74%	0.316%
10	14.128	1681	1695	1710	rBB2	22899	79745	13.84%	2.507%
11	14.862	1799	1817	1834	rVB2	64340	234025	40.62%	7.358%
12	15.710	1943	1958	1974	rVB2	96887	353934	61.44%	11.129%
13	18.128	2343	2360	2384	rBV	108592	415026	72.04%	13.050%
14	19.734	2614	2627	2639	rBV4	18658	64049	11.12%	2.014%
15	21.346	2881	2895	2914	rBV	129412	449436	78.02%	14.132%
16	23.097	3174	3186	3198	rBB3	4234	16343	2.84%	0.514%
17	23.963	3315	3330	3349	rBV	107708	361539	62.76%	11.368%
18	27.301	3871	3885	3901	rBV2	142042	479612	83.25%	15.080%

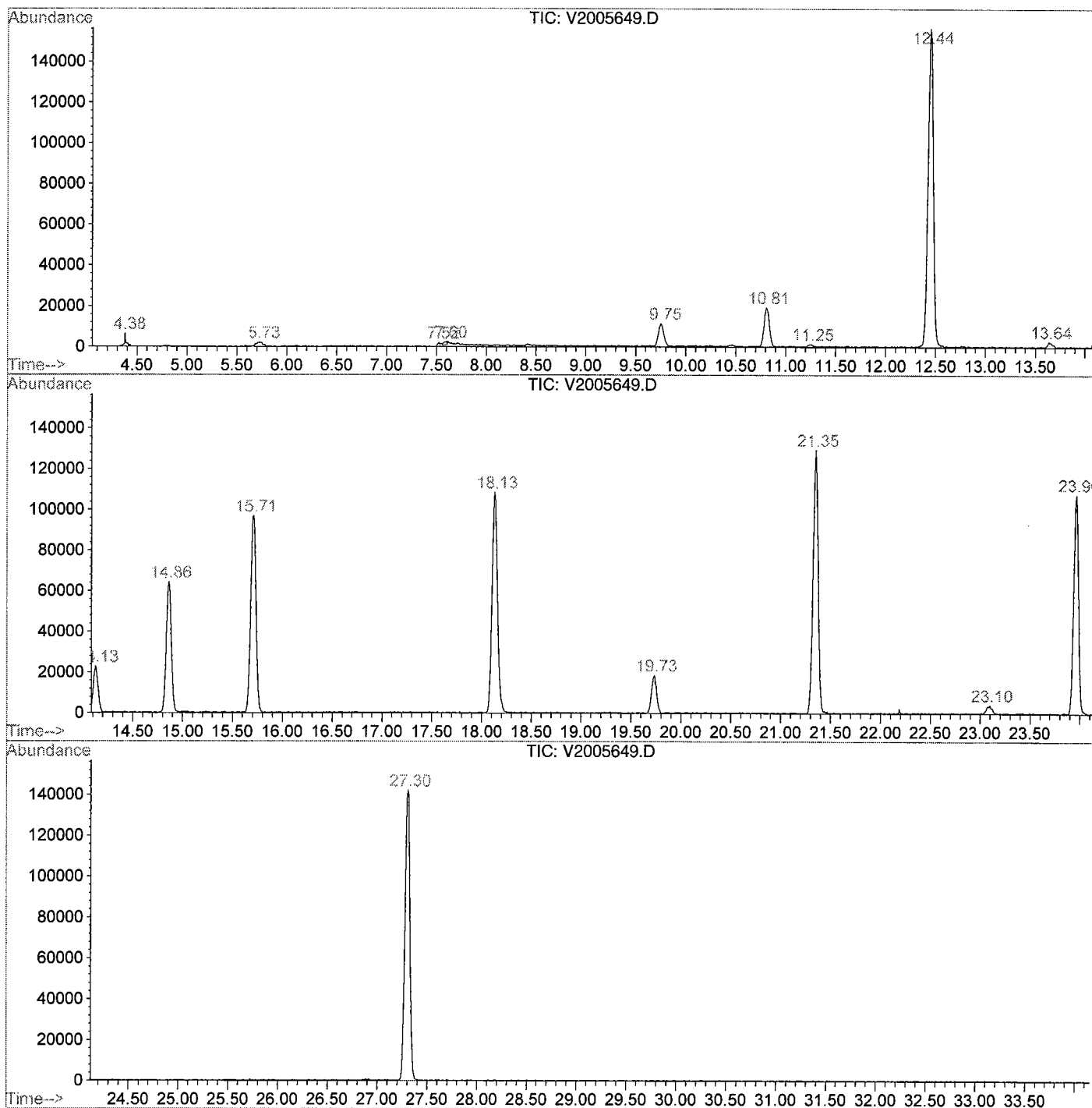
Sum of corrected areas: 3180370

V2005649.D V2C173.M Thu Aug 25 08:55:12 2005

000114

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\V2005649.D
 Operator : SS
 Acquired : 24 Aug 2005 6:39 pm using AcqMethod V2C173
 Instrument : VOA No. 2
 Sample Name: 05080545-05 \$8260W/VOATICW RE 5ML/50ML A
 Misc Info : QBV2082405A
 Vial Number: 7
 Quant File :V2C173.RES (RTE Integrator)



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\V2005649.D

Vial: 7

Acq On : 24 Aug 2005 6:39 pm

Operator: SS

Sample : 05080545-05 \$8260W/VOATICW RE 5ML/50ML A Inst : VOA No. 2

Misc : QBV2082405A

Multiplr: 10.00

MS Integration Params: RTEINT.P

Quant Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

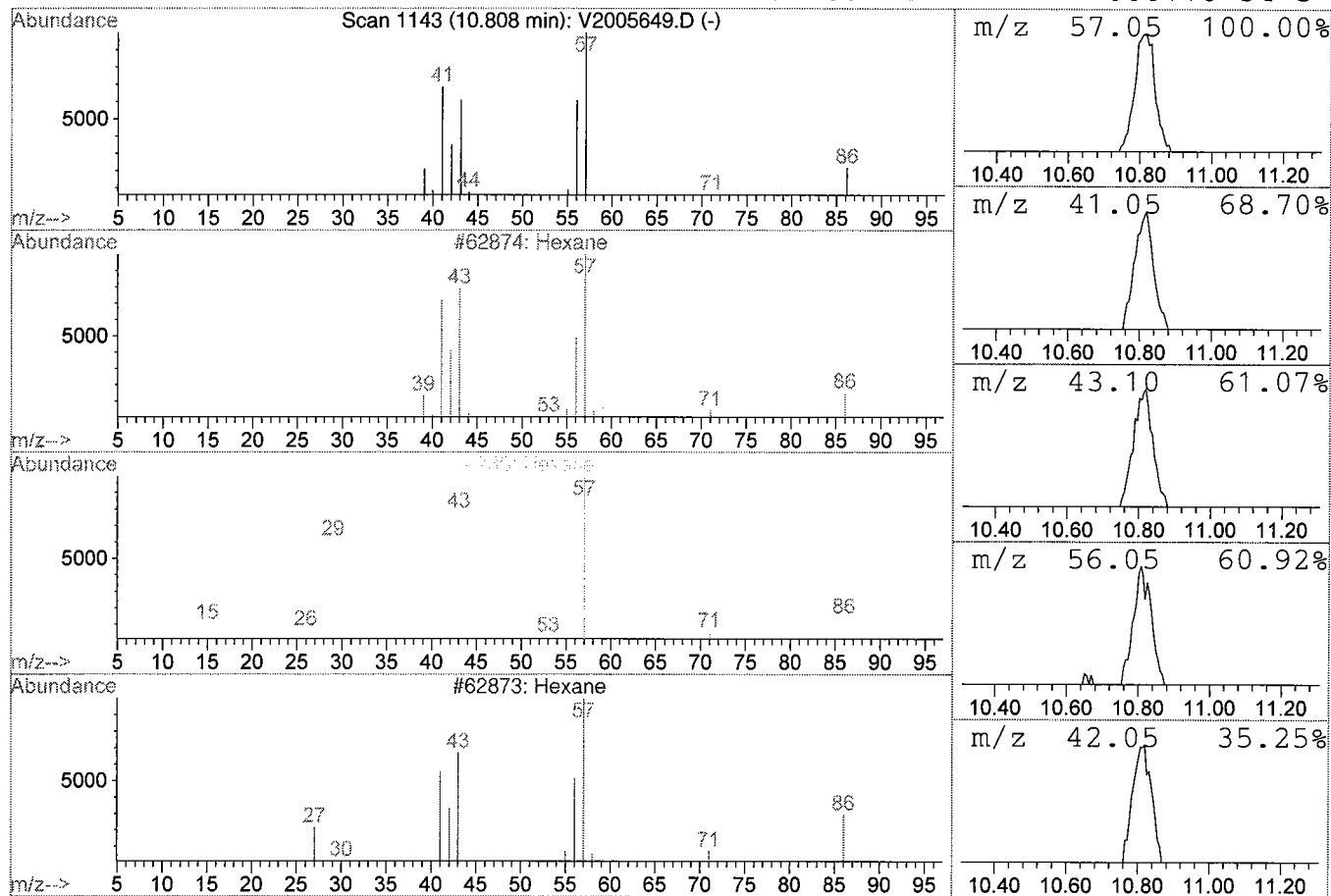
Title : VOCs BY GC/MS 8240/8260

Library : C:\DATABASE\NBS75K.L

Peak Number 1 Hexane

Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.		
10.81	151.67 ppb	70987	FLUOROBENZENE (ISTD)	14.87		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane		86	C6H14	000110-54-3	83
2	Hexane		86	C6H14	000110-54-3	72
3	Hexane		86	C6H14	000110-54-3	72
4	Hexane		86	C6H14	000110-54-3	64



Tentatively Identified Compound (LSC) summary

Operator ID: SS Date Acquired: 24 Aug 2005 6:39 pm
 Data File: C:\HPCHEM\1\DATA\V2005649.D
 Name: 05080545-05 \$8260W/VOATICW RE 5ML/50ML ASPB
 Misc: QBV2082405A
 Method: C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
 Title: VOCs BY GC/MS 8240/8260
 Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc Units	Area	IntStd	ISRT	ISArea	ISConc
Hexane	10.81	151.7 ppb	70987	ISTD01	14.87	234025	50.0

V2005649.D V2C173.M Thu Aug 25 08:55:20 2005

Client Sample ID

MW-9

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

Matrix: WATER

Dilution Factor: 50.0

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

Date Collected: 8/15/05

Date Received: 8/17/05

Date Analyzed: 8/24/05

Level: LOW

Sample Type: WATER

SDG: 05080545

Lab ID: 05080545-06

Lab File ID: V2005650.D

CONCENTRATION
UNITS: ug/L

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
MW-9	05080545-06	Benzene	50 U
MW-9	05080545-06	Bromobenzene	50 U
MW-9	05080545-06	Bromochloromethane	50 U
MW-9	05080545-06	Bromodichloromethane	50 U
MW-9	05080545-06	Bromoform	50 U
MW-9	05080545-06	Bromomethane	50 U
MW-9	05080545-06	n-Butylbenzene	50 U
MW-9	05080545-06	sec-Butylbenzene	50 U
MW-9	05080545-06	tert-Butylbenzene	50 U
MW-9	05080545-06	Carbon tetrachloride	50 U
MW-9	05080545-06	Chlorobenzene	50 U
MW-9	05080545-06	Chloroethane	50 U
MW-9	05080545-06	Chloroform	50 U
MW-9	05080545-06	1-Chlorohexane	50 U
MW-9	05080545-06	Chloromethane	50 U
MW-9	05080545-06	2-Chlorotoluene	50 U
MW-9	05080545-06	4-Chlorotoluene	50 U
MW-9	05080545-06	Dibromochloromethane	50 U
MW-9	05080545-06	1,2-Dibromo-3-chloropropane	50 U
MW-9	05080545-06	1,2-Dibromoethane	50 U
MW-9	05080545-06	Dibromomethane	50 U
MW-9	05080545-06	1,2-Dichlorobenzene	50 U
MW-9	05080545-06	1,3-Dichlorobenzene	50 U
MW-9	05080545-06	1,4-Dichlorobenzene	50 U
MW-9	05080545-06	Dichlorodifluoromethane	50 U
MW-9	05080545-06	1,1-Dichloroethane	120
MW-9	05080545-06	1,2-Dichloroethane	50 U
MW-9	05080545-06	1,1-Dichloroethylene	50 U
MW-9	05080545-06	1,2-Dichloroethylene (Total)	2800(cis-)
MW-9	05080545-06	1,2-Dichloropropane	50 U
MW-9	05080545-06	1,3-Dichloropropane	50 U
MW-9	05080545-06	2,2-Dichloropropane	50 U
MW-9	05080545-06	1,1-Dichloropropylene	50 U

Client Sample ID

MW-9

CONCENTRATION
UNITS: ug/L

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
MW-9	05080545-06	cis-1,3-Dichloropropylene	50 U
MW-9	05080545-06	trans-1,3-Dichloropropylene	50 U
MW-9	05080545-06	Ethylbenzene	50 U
MW-9	05080545-06	Hexachlorobutadiene	50 U
MW-9	05080545-06	Isopropylbenzene	50 U
MW-9	05080545-06	p-Isopropyltoluene	50 U
MW-9	05080545-06	Methylene chloride	220 B
MW-9	05080545-06	Naphthalene	50 U
MW-9	05080545-06	n-Propylbenzene	50 U
MW-9	05080545-06	Styrene	50 U
MW-9	05080545-06	1,1,1,2-Tetrachloroethane	50 U
MW-9	05080545-06	1,1,2,2-Tetrachloroethane	50 U
MW-9	05080545-06	Tetrachloroethylene	2600
MW-9	05080545-06	Toluene	50 U
MW-9	05080545-06	1,2,3-Trichlorobenzene	50 U
MW-9	05080545-06	1,2,4-Trichlorobenzene	50 U
MW-9	05080545-06	1,1,1-Trichloroethane	300
MW-9	05080545-06	1,1,2-Trichloroethane	50 U
MW-9	05080545-06	Trichloroethylene	1600
MW-9	05080545-06	Trichlorofluoromethane	50 U
MW-9	05080545-06	1,2,3-Trichloropropane	50 U
MW-9	05080545-06	1,2,3-Trimethylbenzene	50 U
MW-9	05080545-06	1,2,4-Trimethylbenzene	50 U
MW-9	05080545-06	1,3,5-Trimethylbenzene	50 U
MW-9	05080545-06	Vinyl chloride	98
MW-9	05080545-06	o-Xylene	50 U
MW-9	05080545-06	p- & m-Xylenes	50 U
MW-9	05080545-06	MTBE	50 U

Form 1-VOA

Data File : C:\HPCHEM\1\DATA\V2005650.D

Vial: 8

Acq On : 24 Aug 2005 7:20 pm

Operator: SS

Sample : 05080545-06 \$8260W/VOATICW RE 1ML/50ML A Inst : VOA No. 2

Misc : QBV2082405A

Multiplr: 50.00

MS Integration Params: rteint.p

Quant Time: Oct 4 11:40 19105

Quant Results File: V2C173.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Thu Aug 18 08:08:33 2005

Response via : Initial Calibration

DataAcq Meth : V2C173

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) FLUOROBENZENE (ISTD)	14.87	70	25732	50.00	ppb	-0.01
25) CHLOROBENZENE-d5 (ISTD)	21.36	117	183640	50.00	ppb	0.00
47) 1,2-DICHLOROBENZENE-d4 (ISTD)	27.30	152	90166	50.00	ppb	-0.01

System Monitoring Compounds

21) d4-1,2-Dichloroethane (SURR)	14.13	65	28560	48.77	ppb	-0.02
Spiked Amount	50.000	Range	37 - 128	Recovery	=	97.54%
32) Toluene-d8 (SURR)	18.13	98	156979	48.59	ppb	-0.01
Spiked Amount	50.000	Range	40 - 61	Recovery	=	97.18%#
49) p-Bromofluorobenzene (SURR)	23.97	174	76754	49.69	ppb	0.00
Spiked Amount	50.000	Range	39 - 68	Recovery	=	99.38%#

Target Compounds

						Qvalue
4) Vinyl Chloride	5.72	62	4674m	98.38	ppb	
11) Methylene Chloride	9.76	49	15695	223.72	ppb	# 100
14) 1,1-Dichloroethane	11.26	63	9959	122.57	ppb	100
15) cis-1,2-Dichloroethylene	12.45	96	150009	2791.51	ppb	# 33
19) 1,1,1-Trichloroethane	13.66	97	18610	298.54	ppb	99
26) Trichloroethylene	15.72	95	86232	1640.57	ppb	99
37) Tetrachloroethylene	19.75	166	147905	2561.44	ppb	# 64

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

V2005650.D V2C173.M Tue Oct 04 11:41:54 2005

000120 Page 1

Data File : C:\HPCHEM\1\DATA\V2005650.D

Vial: 8

Acq On : 24 Aug 2005 7:20 pm

Operator: SS

Sample : 05080545-06 \$8260W/VOATICW RE 1ML/50ML A Inst : VOA No. 2

Misc : QBV2082405A

Multiplr: 50.00

MS Integration Params: rteint.p

Quant Time: Oct 4 11:40 19105

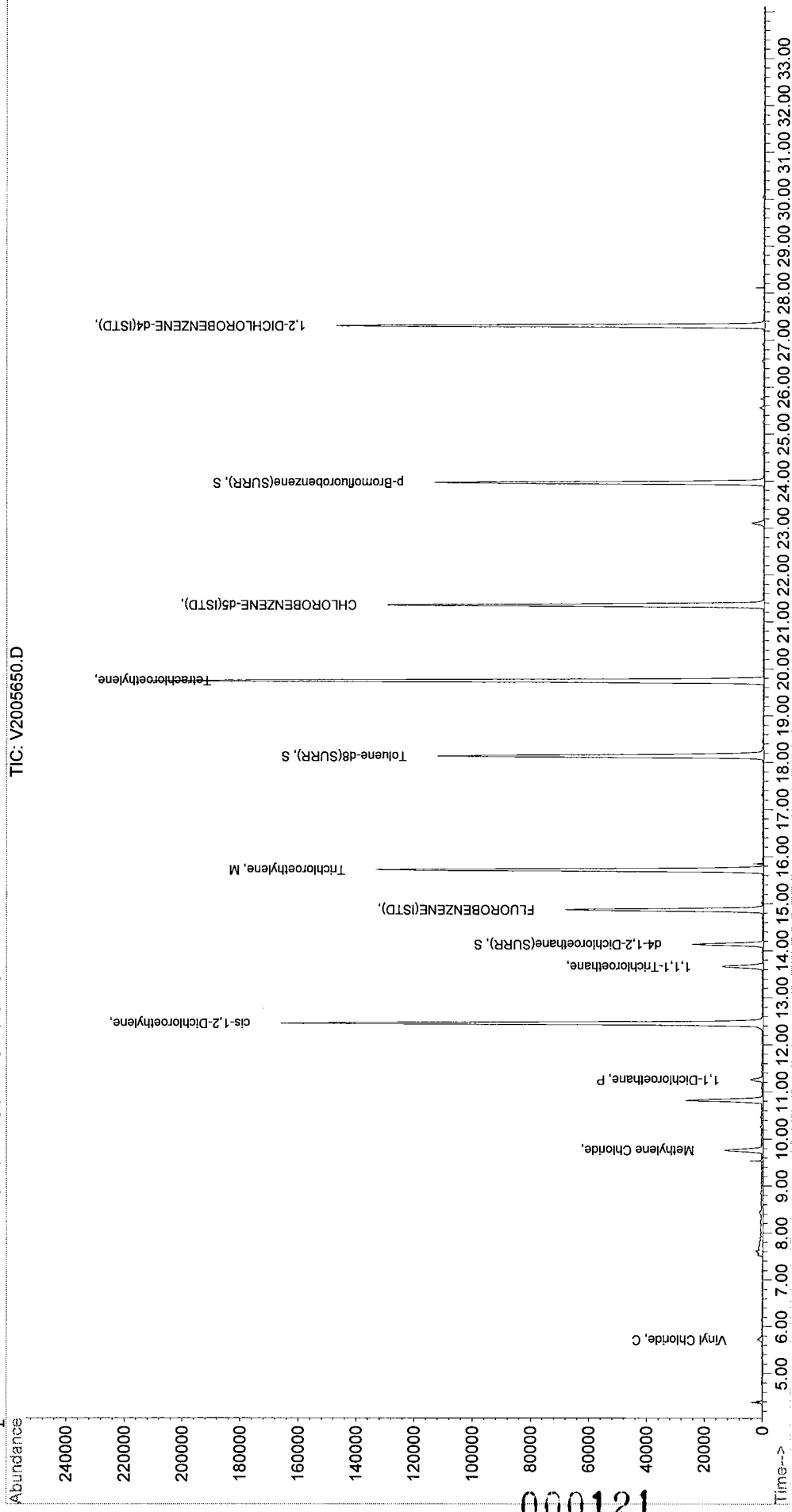
Quant Results File: V2C173.RES

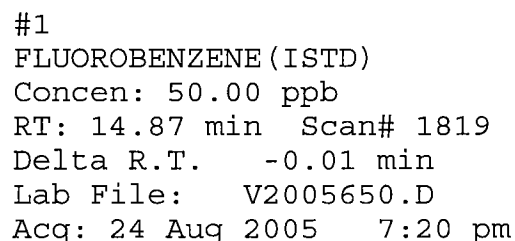
Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

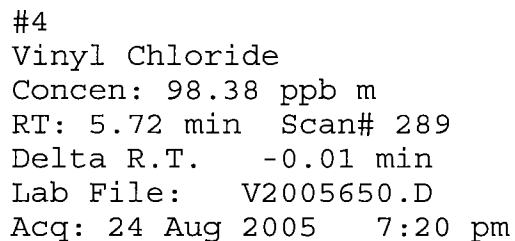
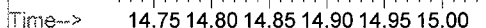
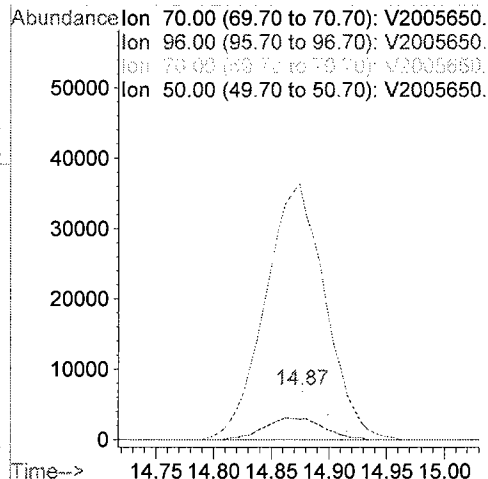
Last Update : Thu Aug 18 08:08:33 2005

Response via : Initial Calibration

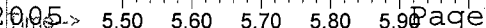
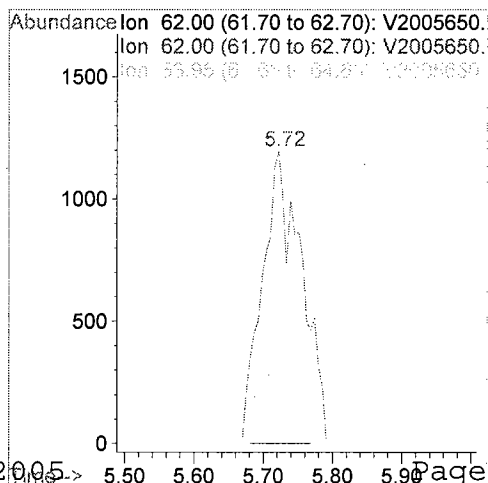


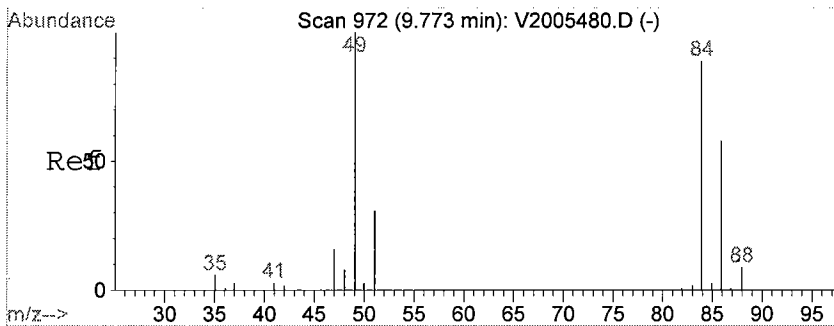


Tgt	Ion: 70	Resp:	25732
Ion	Ratio	Lower	Upper
70	100		
96	511.6	404.2	606.2
70	100.0	80.0	120.0
50	0.0	34.5	51.7#



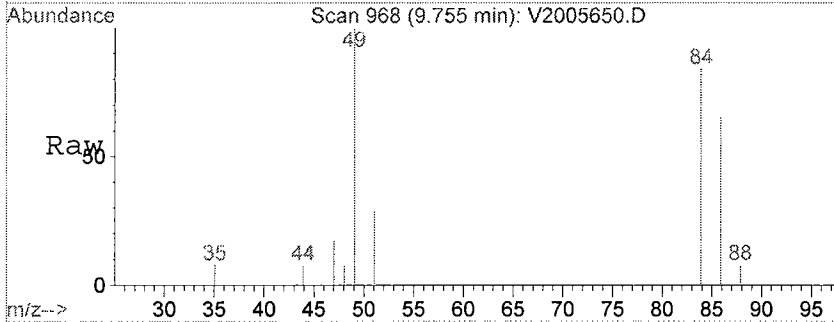
Tgt	Ion: 62	Resp:	4674
Ion	Ratio	Lower	Upper
62	100		
62	40.9	80.0	120.0#
64	0.0	24.9	37.3#



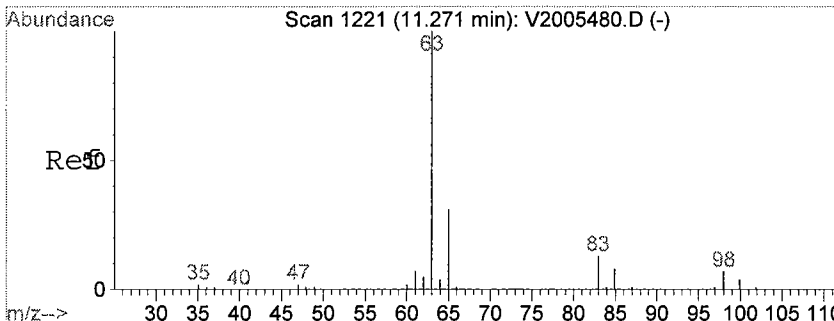
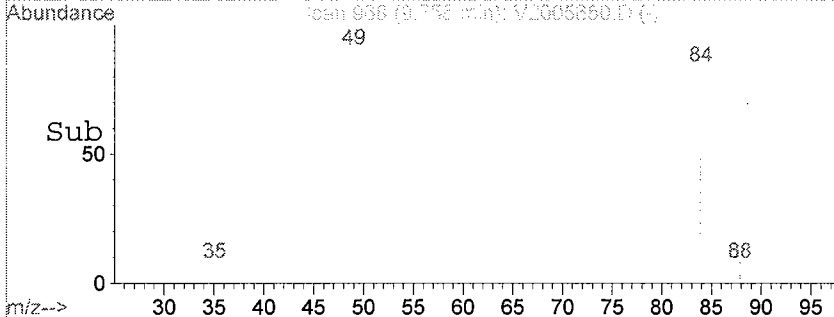
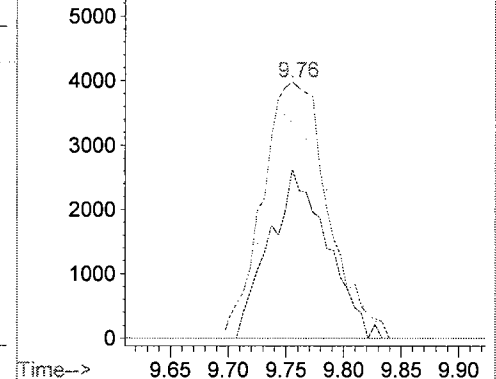


#11
Methylene Chloride
Concen: 223.72 ppb
RT: 9.76 min Scan# 968
Delta R.T. -0.01 min
Lab File: V2005650.D
Acq: 24 Aug 2005 7:20 pm

Tgt Ion: 49 Resp: 15695
Ion Ratio Lower Upper
49 100
49 100.0 80.0 120.0
84 89.4 71.8 107.8
86 58.3 0.0 0.0#

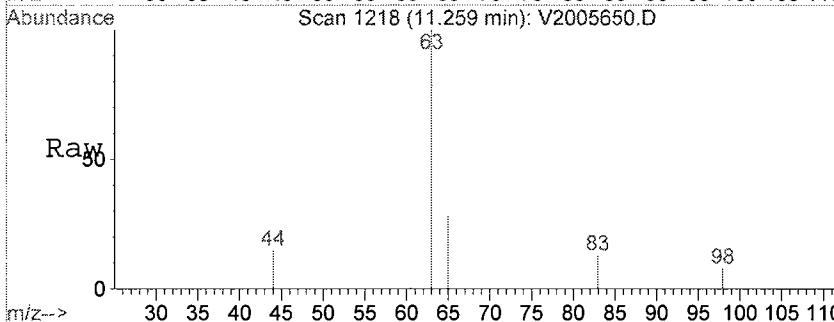


Abundance Ion 48.95 (48.65 to 49.65): V2005650.
Ion 48.95 (48.65 to 49.65): V2005650.
Ion 85.90 (85.60 to 86.60): V2005650.

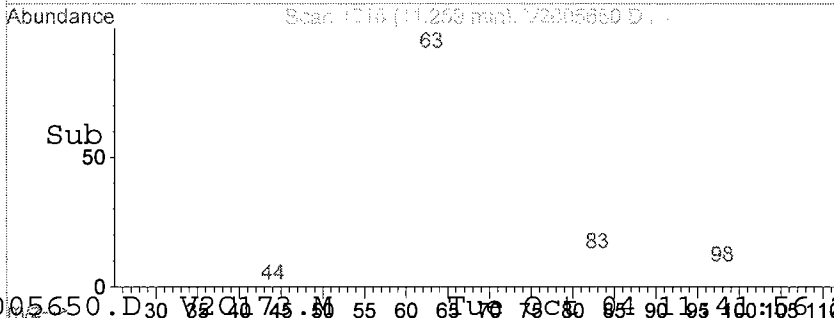
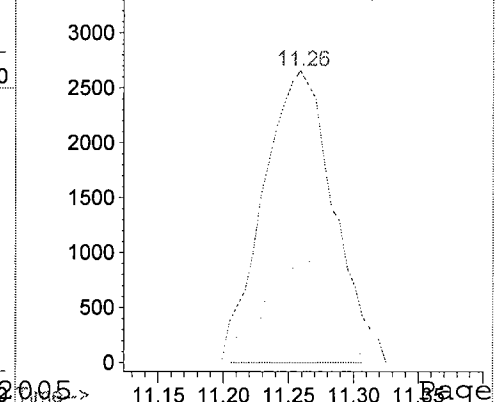


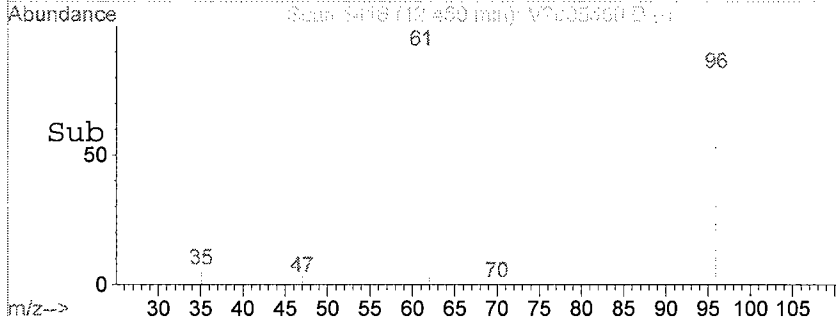
#14
1,1-Dichloroethane
Concen: 122.57 ppb
RT: 11.26 min Scan# 1218
Delta R.T. -0.01 min
Lab File: V2005650.D
Acq: 24 Aug 2005 7:20 pm

Tgt Ion: 63 Resp: 9959
Ion Ratio Lower Upper
63 100
63 100.0 80.0 120.0
65 30.3 25.1 37.7



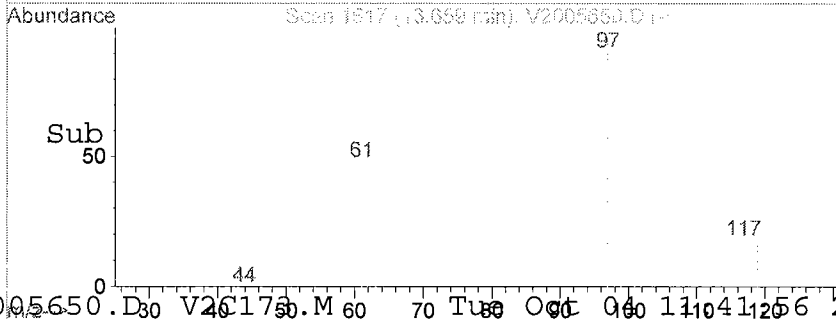
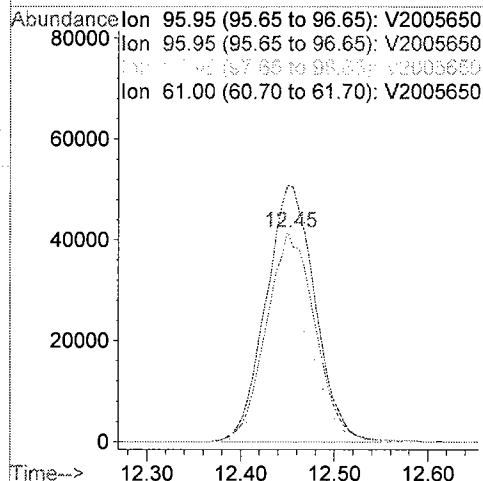
Abundance Ion 62.95 (62.65 to 63.65): V2005650.
Ion 62.95 (62.65 to 63.65): V2005650.
Ion 64.95 (64.65 to 65.65): V2005650.





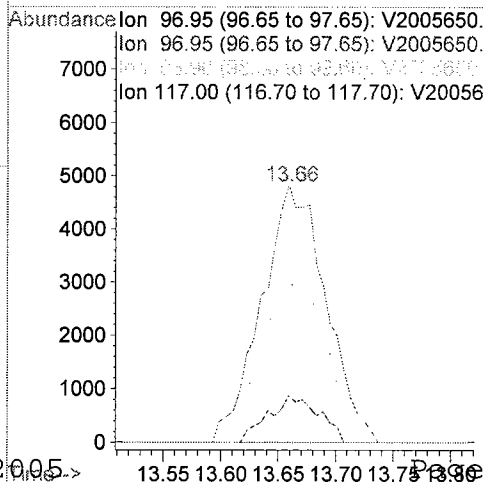
```
#15
cis-1,2-Dichloroethylene
Concen: 2791.51 ppb
RT: 12.45 min Scan# 1416
Delta R.T. -0.01 min
Lab File: V2005650.D
Acq: 24 Aug 2005 7:20 pm
```

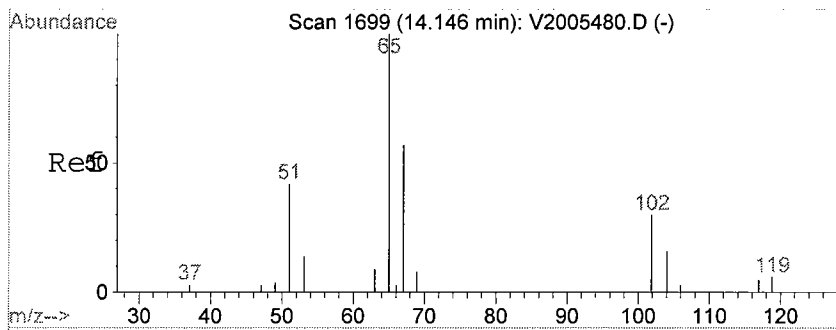
Tgt	Ion: 96	Resp:	150009
Ion	Ratio	Lower	Upper
96	100		
96	100.0	80.0	120.0
98	64.6	0.0	0.0#
61	0.0	111.0	166.4#



```
#19
1,1,1-Trichloroethane
Concen: 298.54 ppb
RT: 13.66 min   Scan# 1617
Delta R.T.    -0.02 min
Lab File:     V2005650.D
Acq: 24 Aug 2005   7:20 pm
```

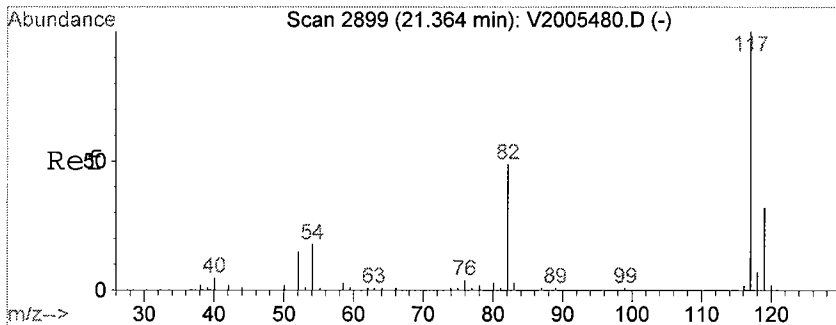
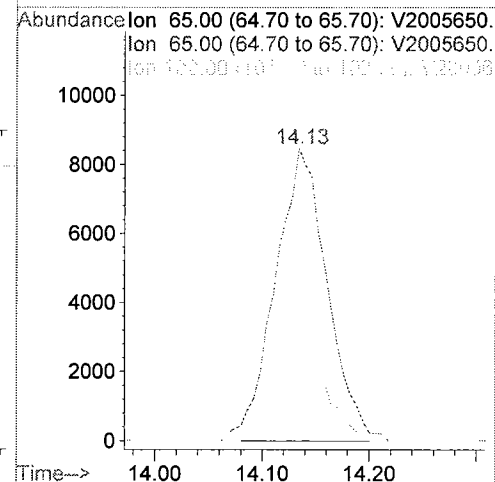
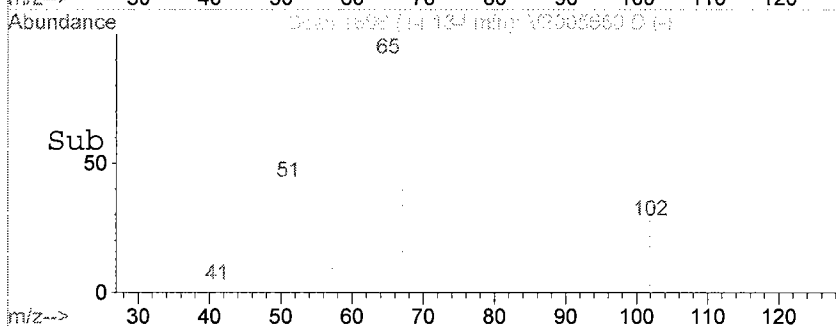
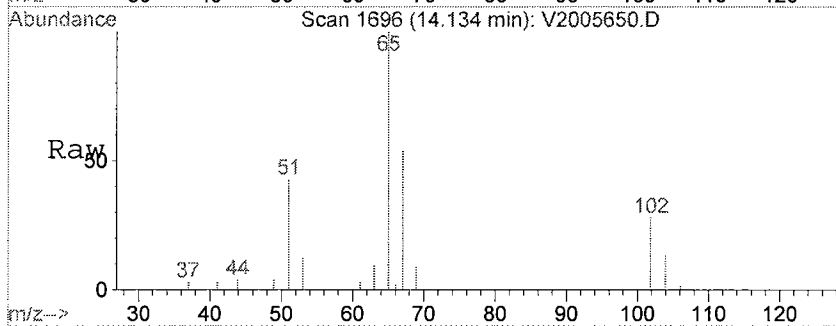
Tgt	Ion: 97	Resp:	18610
Ion	Ratio	Lower	Upper
97	100		
97	100.0	80.0	120.0
99	67.4	52.3	78.5
117	14.4	12.4	18.6





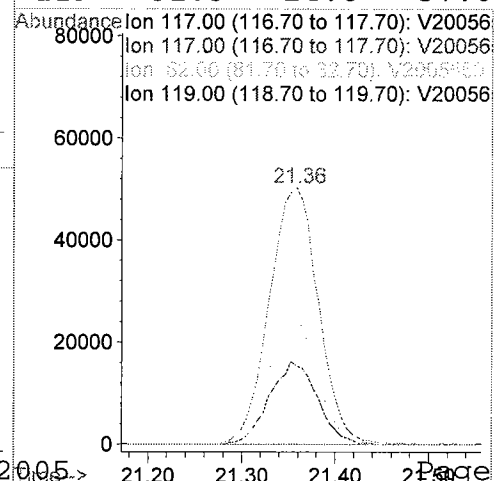
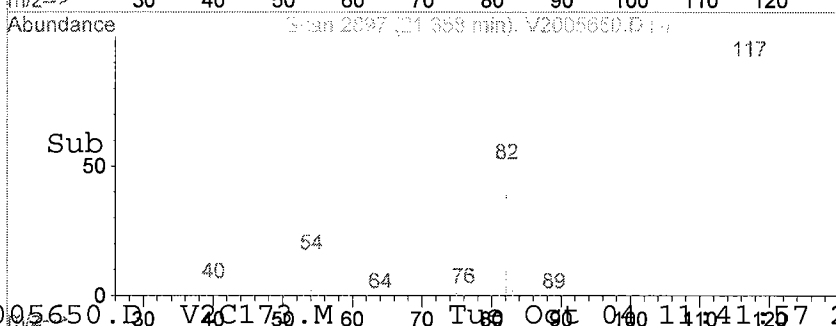
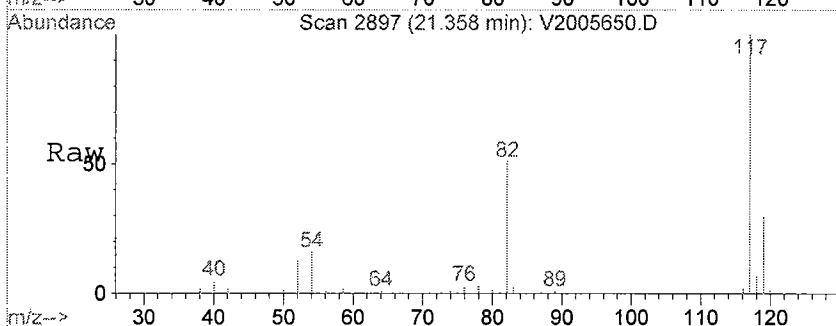
#21
d4-1,2-Dichloroethane (SURR)
Concen: 48.77 ppb
RT: 14.13 min Scan# 1696
Delta R.T. -0.02 min
Lab File: V2005650.D
Acq: 24 Aug 2005 7:20 pm

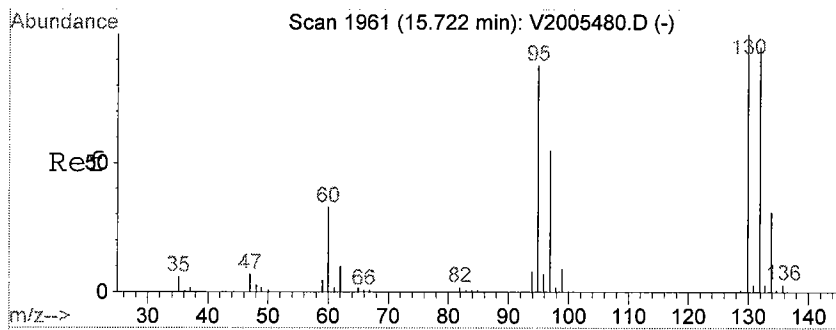
Tgt Ion: 65 Resp: 28560
Ion Ratio Lower Upper
65 100
65 100.0 80.0 120.0
102 28.7 21.4 32.2



#25
CHLOROBENZENE-d5 (ISTD)
Concen: 50.00 ppb
RT: 21.36 min Scan# 2897
Delta R.T. -0.01 min
Lab File: V2005650.D
Acq: 24 Aug 2005 7:20 pm

Tgt Ion: 117 Resp: 183640
Ion Ratio Lower Upper
117 100
117 100.0 80.0 120.0
82 48.6 0.0 0.0#
119 31.5 24.6 37.0

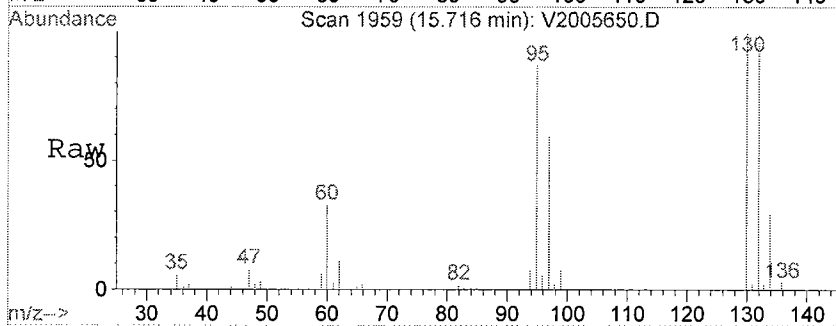




#26
 Trichloroethylene
 Concen: 1640.57 ppb
 RT: 15.72 min Scan# 1959
 Delta R.T. -0.01 min
 Lab File: V2005650.D
 Acq: 24 Aug 2005 7:20 pm

Tgt Ion: 95 Resp: 86232

Ion	Ratio	Lower	Upper
95	100		
95	100.0	80.0	120.0
97	66.2	51.5	77.3
130	116.5	92.2	138.2



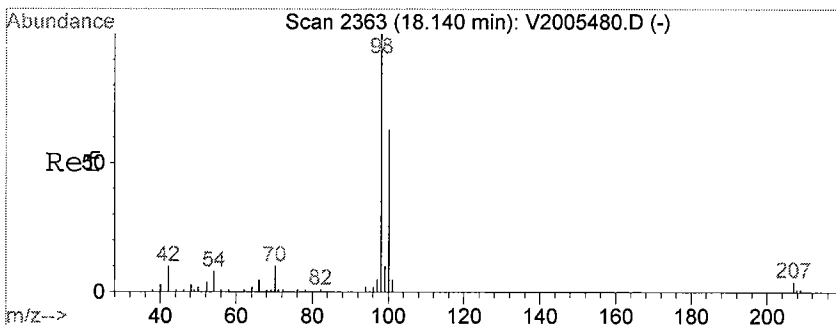
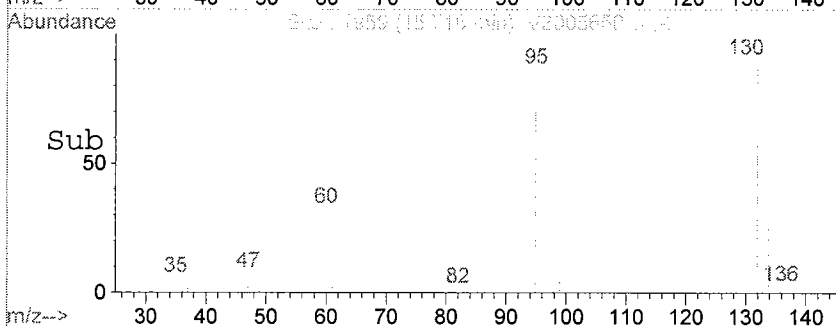
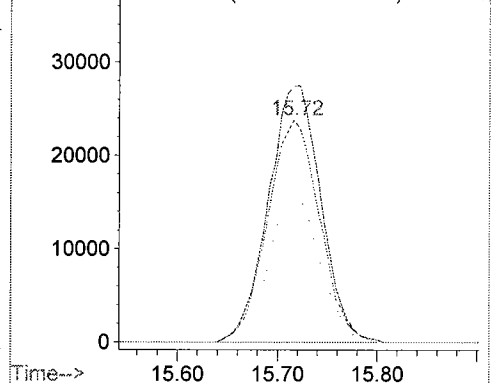
Abundance

Ion 94.85 (94.55 to 95.55): V2005650.

Ion 94.85 (94.55 to 95.55): V2005650.

Ion 96.85 (96.55 to 97.55): V2005650.

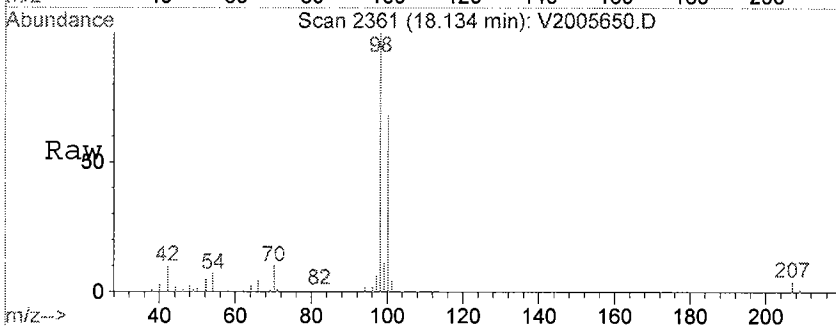
Ion 129.90 (129.60 to 130.60): V2005650.



#32
 Toluene-d8 (SURR)
 Concen: 48.59 ppb
 RT: 18.13 min Scan# 2361
 Delta R.T. -0.01 min
 Lab File: V2005650.D
 Acq: 24 Aug 2005 7:20 pm

Tgt Ion: 98 Resp: 156979

Ion	Ratio	Lower	Upper
98	100		
98	100.0	80.0	120.0
100	67.1	53.7	80.5
70	10.4	8.0	12.0



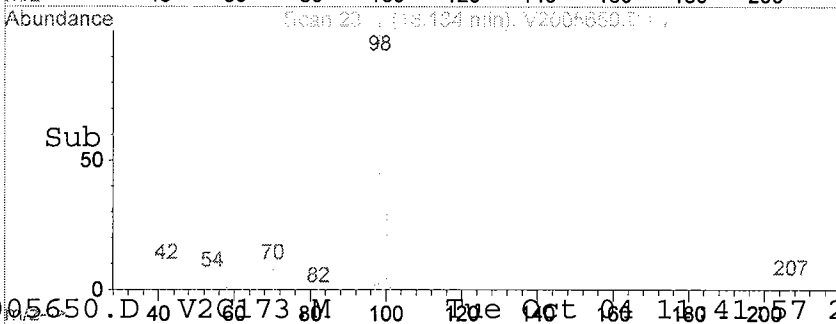
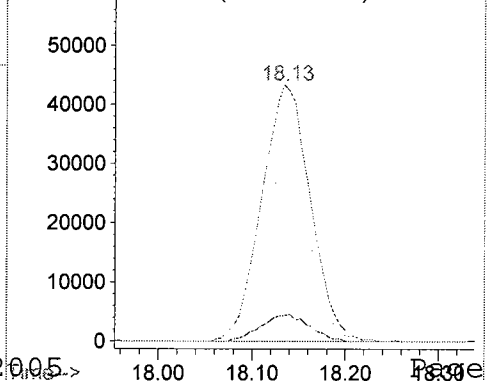
Abundance

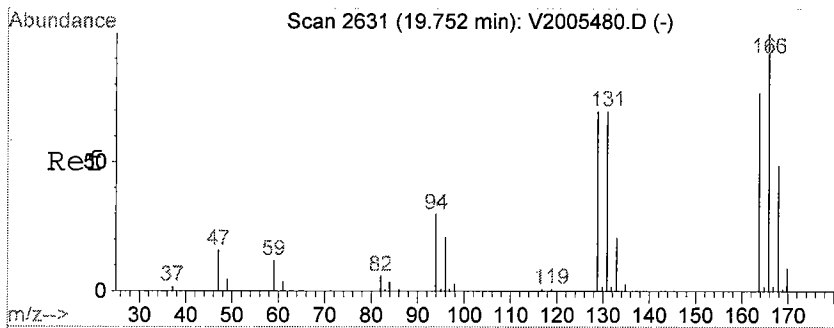
Ion 98.00 (97.70 to 98.70): V2005650.

Ion 98.00 (97.70 to 98.70): V2005650.

Ion 100.00 (99.70 to 100.70): V2005650.

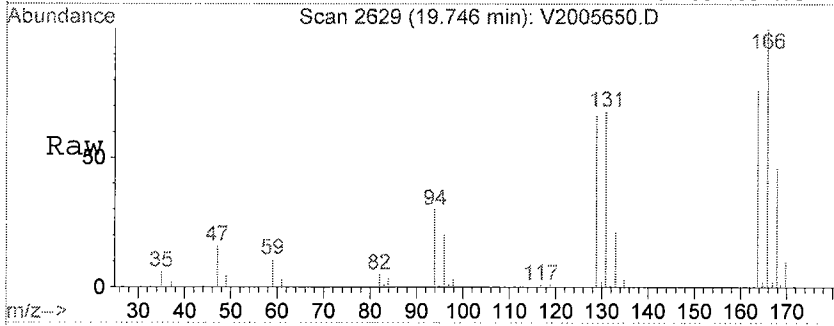
Ion 70.00 (69.70 to 70.70): V2005650.





#37
Tetrachloroethylene
Concen: 2561.44 ppb
RT: 19.75 min Scan# 2629
Delta R.T. -0.01 min
Lab File: V2005650.D
Acq: 24 Aug 2005 7:20 pm

Tgt Ion	Ratio	Lower	Upper
166	100		
166	100.0	80.0	120.0
164	0.0	0.0	0.0
129	0.0	56.6	85.0



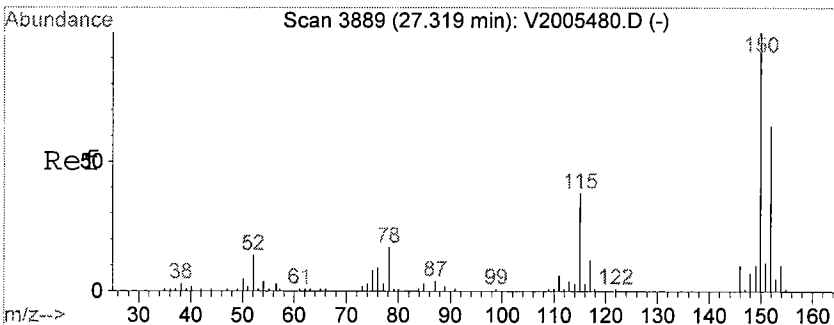
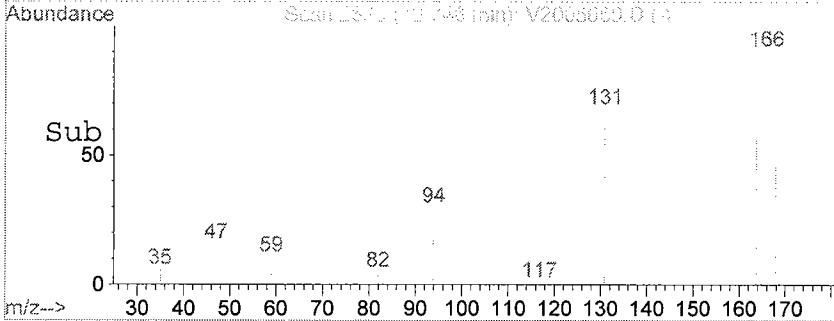
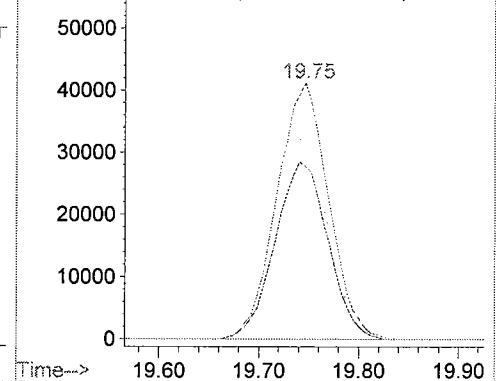
Abundance

Ion 165.85 (165.55 to 166.55): V20056

Ion 165.85 (165.55 to 166.55): V20056

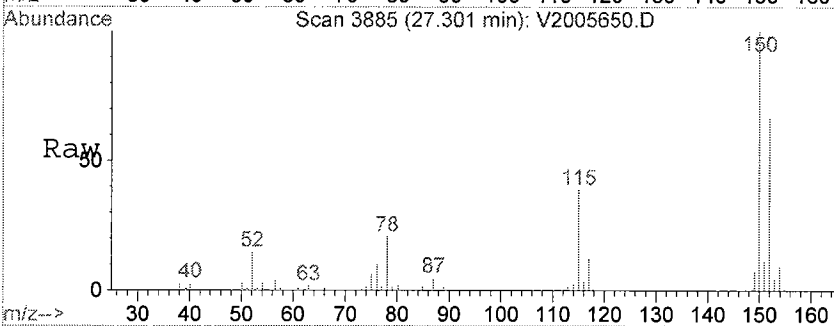
Ion 165.85 (165.55 to 166.55): V20056

Ion 128.80 (128.50 to 129.50): V20056



#47
1,2-DICHLOROBENZENE-d4 (ISTD)
Concen: 50.00 ppb
RT: 27.30 min Scan# 3885
Delta R.T. -0.01 min
Lab File: V2005650.D
Acq: 24 Aug 2005 7:20 pm

Tgt Ion	Ratio	Lower	Upper
152	100		
152	100.0	80.0	120.0
152	100.0	80.0	120.0
115	58.7	0.0	0.0



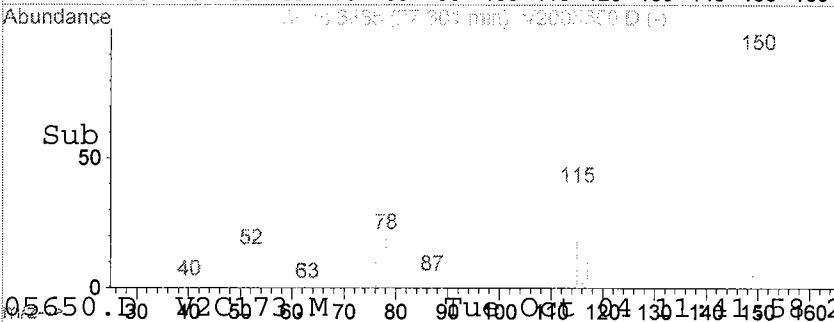
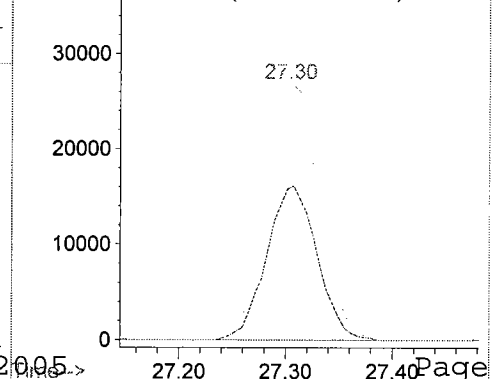
Abundance

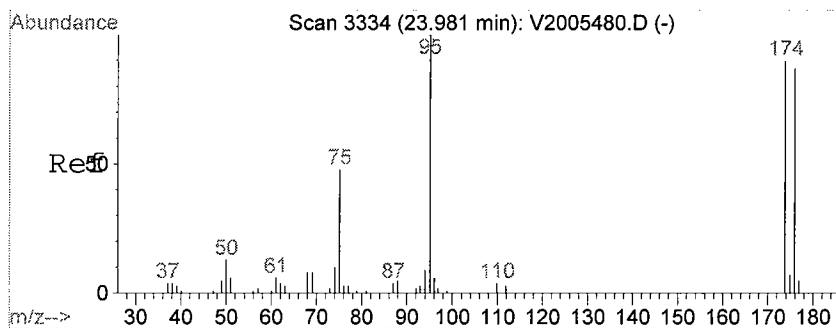
Ion 152.00 (151.70 to 152.70): V20056

Ion 152.00 (151.70 to 152.70): V20056

Ion 152.00 (151.70 to 152.70): V20056

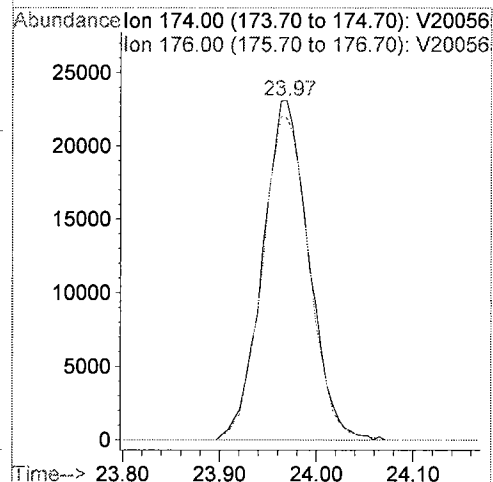
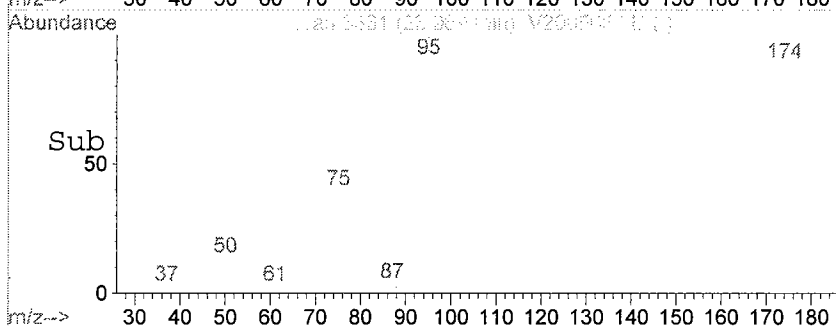
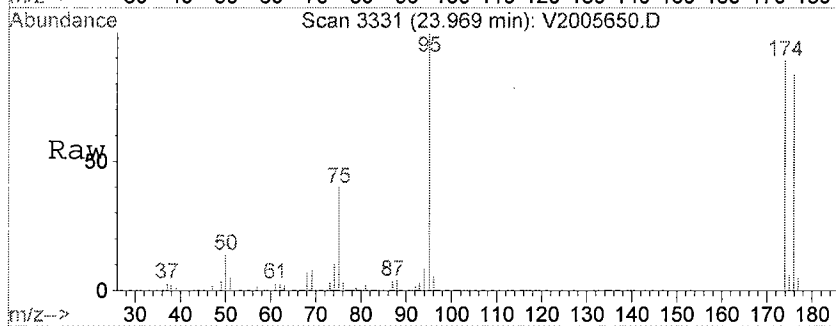
Ion 115.00 (114.70 to 115.70): V20056





#49
 p-Bromofluorobenzene (SURR)
 Concen: 49.69 ppb
 RT: 23.97 min Scan# 3331
 Delta R.T. -0.01 min
 Lab File: V2005650.D
 Acq: 24 Aug 2005 7:20 pm

Tgt Ion: 174 Resp: 76754
 Ion Ratio Lower Upper
 174 100
 176 96.6 75.6 113.4



Client Sample ID

MW-9

Sample Amount: SOIL=1.0g/WATER=5.0ml

Date Collected: 8/15/05

Sample Type: **WATER**

Matrix: WATER

Date Received: 8/17/05

Dilution Factor: 50.00

Date Analyzed: 8/24/05

SDG: 05080545-06

Level: LOW

Lab ID: 05080545-06

Lab File ID: V2005650.D

CONCENTRATION
UNITS: ug/L DRY

[illegible]

LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\V2005650.D Vial: 8
Acq On : 24 Aug 2005 7:20 pm Operator: SS
Sample : 05080545-06 \$8260W/VOATICW RE 1ML/50ML A Inst : VOA No. 2
Misc : QBV2082405A Multiplr: 50.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
Title : VOCs BY GC/MS 8240/8260
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.5 % of largest Peak
Start Thrs: 0.001 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	5.716	280	288	291	rBV	1873	3919	0.51%	0.093%
2	7.524	594	597	600	rBV	1821	3835	0.50%	0.091%
3	9.761	956	969	986	rBV3	12908	51156	6.69%	1.219%
4	10.820	1131	1145	1161	rVB3	26458	98546	12.89%	2.349%
5	11.253	1207	1217	1231	rVB2	4371	17079	2.23%	0.407%
6	12.450	1394	1416	1436	rBV	165623	602813	78.85%	14.366%
7	13.659	1604	1617	1632	rBV2	14091	52676	6.89%	1.255%
8	14.134	1682	1696	1713	rBV2	24536	84099	11.00%	2.004%
9	14.874	1805	1819	1836	rVB	68139	245074	32.06%	5.841%
10	15.716	1945	1959	1976	rBB2	133480	477992	62.52%	11.392%
11	18.134	2345	2361	2379	rBV	112252	428941	56.11%	10.223%
12	19.746	2611	2629	2644	rBV	211176	764490	100.00%	18.220%
13	21.358	2883	2897	2914	rBV2	129491	469174	61.37%	11.182%
14	23.109	3174	3188	3200	rBB3	4426	16616	2.17%	0.396%
15	23.963	3315	3330	3351	rBB2	113359	378611	49.52%	9.023%
16	25.569	3586	3597	3603	rBV	1865	5079	0.66%	0.121%
17	27.307	3871	3886	3904	rBB	147175	495882	64.86%	11.818%

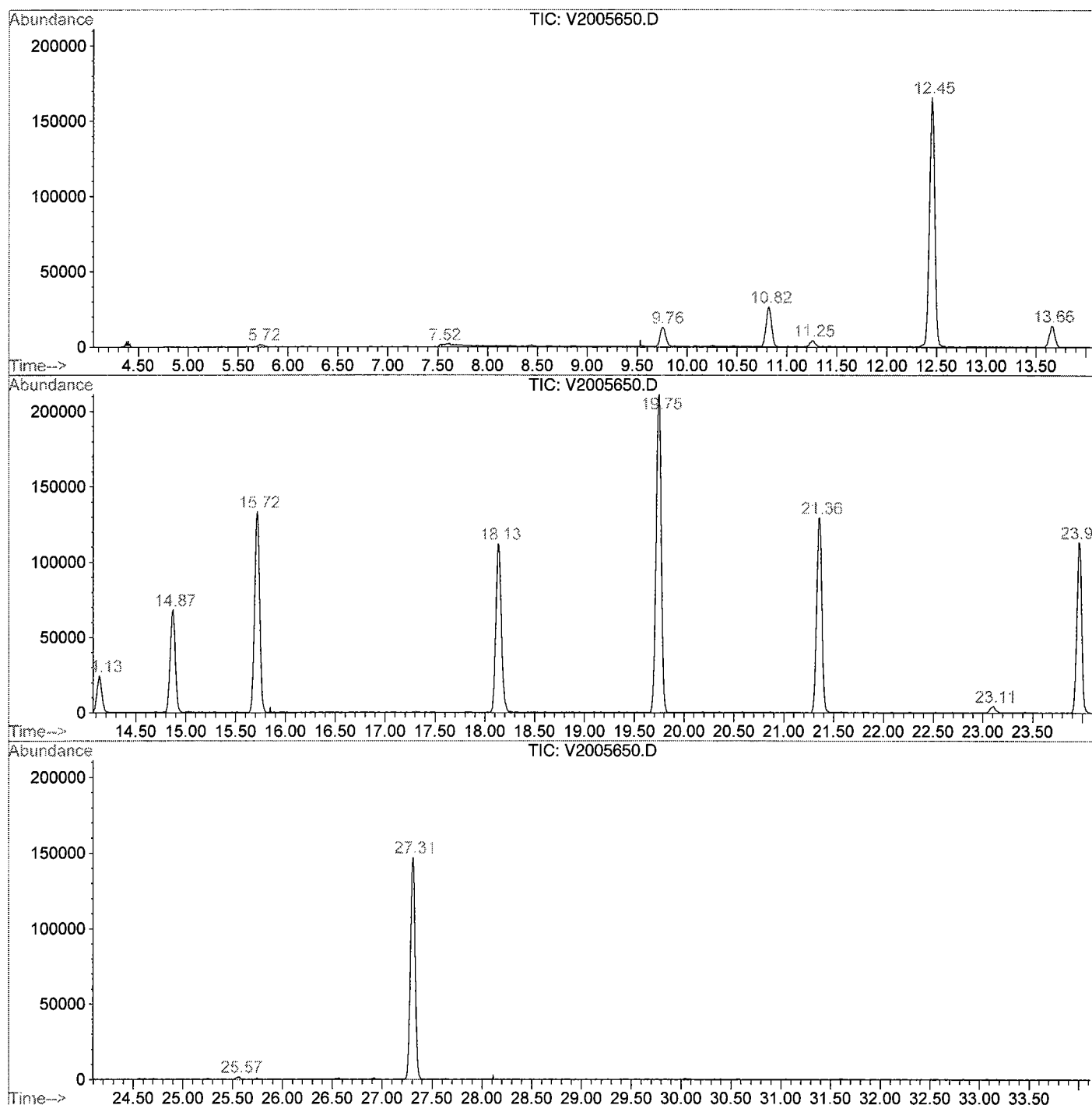
Sum of corrected areas: 4195982

V2005650.D V2C173.M Thu Aug 25 09:00:01 2005

000130

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\V2005650.D
 Operator : SS
 Acquired : 24 Aug 2005 7:20 pm using AcqMethod V2C173
 Instrument : VOA No. 2
 Sample Name: 05080545-06 \$8260W/VOATICW RE 1ML/50ML A
 Misc Info : QBV2082405A
 Vial Number: 8
 Quant File :V2C173.RES (RTE Integrator)



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\V2005650.D

Vial: 8

Acq On : 24 Aug 2005 7:20 pm

Operator: SS

Sample : 05080545-06 \$8260W/VOATICW RE 1ML/50ML A Inst : VOA No. 2

Misc : QBV2082405A

Multiplr: 50.00

MS Integration Params: RTEINT.P

Quant Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

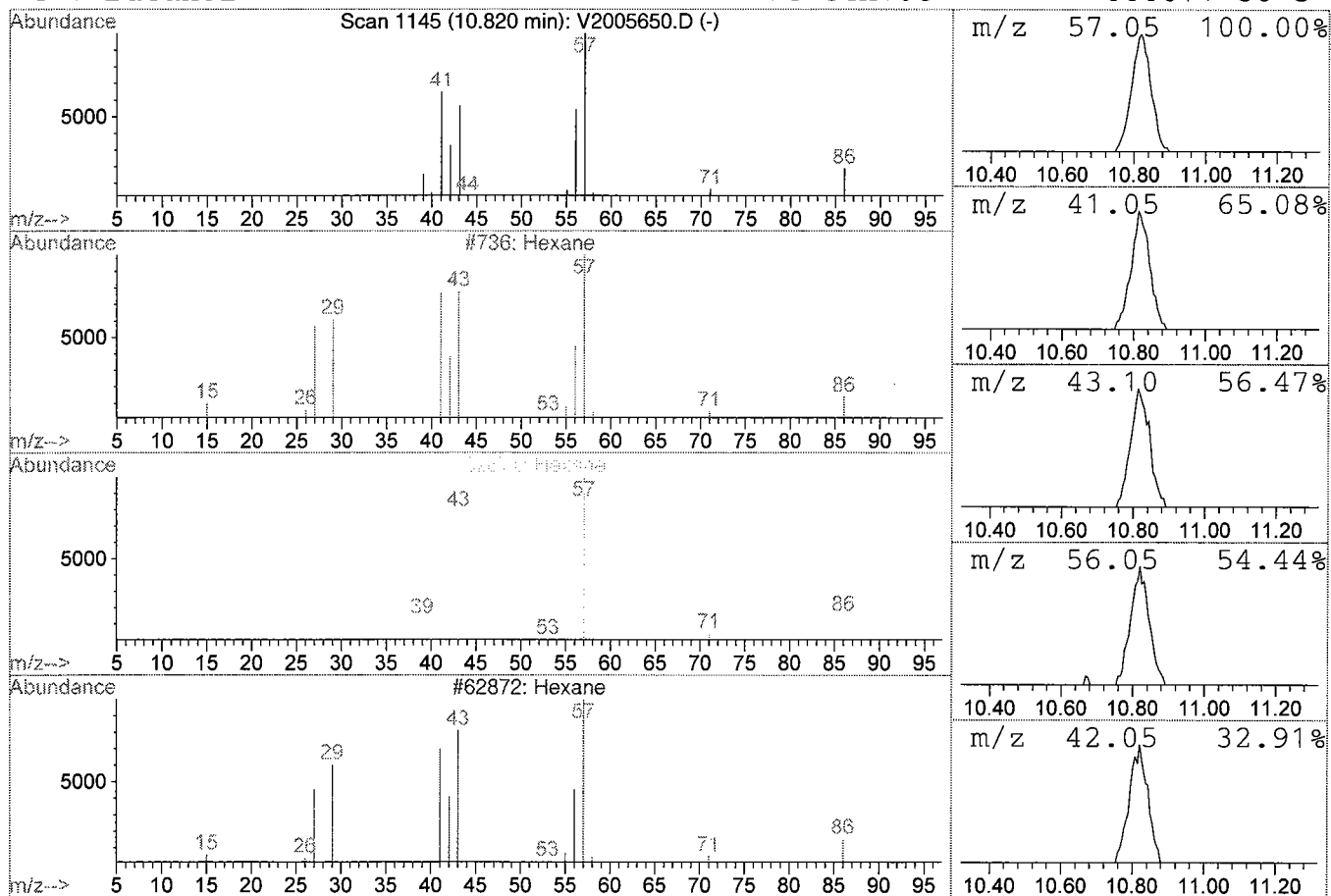
Title : VOCs BY GC/MS 8240/8260

Library : C:\DATABASE\NBS75K.L

Peak Number 1 Hexane

Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.		
10.82	1005.27 ppb	98546	FLUOROBENZENE(ISTD)	14.87		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane		86	C6H14	000110-54-3	72
2	Hexane		86	C6H14	000110-54-3	64
3	Hexane		86	C6H14	000110-54-3	59
4	1-Butanol		74	C4H10O	000071-36-3	37



000132

Tentatively Identified Compound (LSC) summary

Operator ID: SS Date Acquired: 24 Aug 2005 7:20 pm
 Data File: C:\HPCHEM\1\DATA\V2005650.D
 Name: 05080545-06 \$8260W/VOATICW RE 1ML/50ML A
 Misc: QBV2082405A
 Method: C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
 Title: VOCs BY GC/MS 8240/8260
 Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc Units	Area	IntStd	ISRT	ISArea	ISConc
Hexane	10.82	1005.3 ppb	98546	ISTD01	14.87	245074	50.0

V2005650.D V2C173.M Thu Aug 25 09:00:08 2005

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

Date Collected: 8/15/05

Sample Type: WATER

Matrix: WATER

Date Received: 8/17/05

SDG: 05080545

Dilution Factor: 1.0

Date Analyzed: 8/24/05

Lab ID: 05080545-07

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

Level: LOW

Lab File ID: V2005651.D

CONCENTRATION
UNITS: ug/L

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
MW-11	05080545-07	Benzene	1 U
MW-11	05080545-07	Bromobenzene	1 U
MW-11	05080545-07	Bromochloromethane	1 U
MW-11	05080545-07	Bromodichloromethane	1 U
MW-11	05080545-07	Bromoform	1 U
MW-11	05080545-07	Bromomethane	1 U
MW-11	05080545-07	n-Butylbenzene	1 U
MW-11	05080545-07	sec-Butylbenzene	1 U
MW-11	05080545-07	tert-Butylbenzene	1 U
MW-11	05080545-07	Carbon tetrachloride	1 U
MW-11	05080545-07	Chlorobenzene	1 U
MW-11	05080545-07	Chloroethane	1 U
MW-11	05080545-07	Chloroform	1 U
MW-11	05080545-07	1-Chlorohexane	1 U
MW-11	05080545-07	Chloromethane	1 U
MW-11	05080545-07	2-Chlorotoluene	1 U
MW-11	05080545-07	4-Chlorotoluene	1 U
MW-11	05080545-07	Dibromochloromethane	1 U
MW-11	05080545-07	1,2-Dibromo-3-chloropropane	1 U
MW-11	05080545-07	1,2-Dibromoethane	1 U
MW-11	05080545-07	Dibromomethane	1 U
MW-11	05080545-07	1,2-Dichlorobenzene	1 U
MW-11	05080545-07	1,3-Dichlorobenzene	1 U
MW-11	05080545-07	1,4-Dichlorobenzene	1 U
MW-11	05080545-07	Dichlorodifluoromethane	1 U
MW-11	05080545-07	1,1-Dichloroethane	1 U
MW-11	05080545-07	1,2-Dichloroethane	1 U
MW-11	05080545-07	1,1-Dichloroethylene	1 U
MW-11	05080545-07	1,2-Dichloroethylene (Total)	1(cis-)
MW-11	05080545-07	1,2-Dichloropropane	1 U
MW-11	05080545-07	1,3-Dichloropropane	1 U
MW-11	05080545-07	2,2-Dichloropropane	1 U
MW-11	05080545-07	1,1-Dichloropropylene	1 U

Client Sample ID

MW-11

CONCENTRATION

UNITS: ug/L

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
MW-11	05080545-07	cis-1,3-Dichloropropylene	1 U
MW-11	05080545-07	trans-1,3-Dichloropropylene	1 U
MW-11	05080545-07	Ethylbenzene	1 U
MW-11	05080545-07	Hexachlorobutadiene	1 U
MW-11	05080545-07	Isopropylbenzene	1 U
MW-11	05080545-07	p-Isopropyltoluene	1 U
MW-11	05080545-07	Methylene chloride	4 B
MW-11	05080545-07	Naphthalene	1 U
MW-11	05080545-07	n-Propylbenzene	1 U
MW-11	05080545-07	Styrene	1 U
MW-11	05080545-07	1,1,1,2-Tetrachloroethane	1 U
MW-11	05080545-07	1,1,2,2-Tetrachloroethane	1 U
MW-11	05080545-07	Tetrachloroethylene	1 U
MW-11	05080545-07	Toluene	1 U
MW-11	05080545-07	1,2,3-Trichlorobenzene	1 U
MW-11	05080545-07	1,2,4-Trichlorobenzene	1 U
MW-11	05080545-07	1,1,1-Trichloroethane	1 U
MW-11	05080545-07	1,1,2-Trichloroethane	1 U
MW-11	05080545-07	Trichloroethylene	1 U
MW-11	05080545-07	Trichlorofluoromethane	1 U
MW-11	05080545-07	1,2,3-Trichloropropane	1 U
MW-11	05080545-07	1,2,3-Trimethylbenzene	1 U
MW-11	05080545-07	1,2,4-Trimethylbenzene	1 U
MW-11	05080545-07	1,3,5-Trimethylbenzene	1 U
MW-11	05080545-07	Vinyl chloride	6
MW-11	05080545-07	o-Xylene	1 U
MW-11	05080545-07	p- & m-Xylenes	1 U
MW-11	05080545-07	MTBE	1

Form 1-VOA

000135

Data File : C:\HPCHEM\1\DATA\V2005651.D

Vial: 9

Acq On : 24 Aug 2005 8:02 pm

Operator: SS

Sample : 05080545-07 \$8260W/VOATICW RE ASPB

Inst : VOA No. 2

Misc : QBV2082405A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Oct 4 11:42 19105

Quant Results File: V2C173.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Thu Aug 18 08:08:33 2005

Response via : Initial Calibration

DataAcq Meth : V2C173

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.87	70	24103	50.00	ppb	0.00
25) CHLOROBENZENE-d5(ISTD)	21.35	117	177343	50.00	ppb	-0.02
47) 1,2-DICHLOROBENZENE-d4(IST	27.31	152	85561	50.00	ppb	0.00

System Monitoring Compounds

21) d4-1,2-Dichloroethane(SURR	14.14	65	26705	48.68	ppb	-0.01
Spiked Amount	50.000	Range	37 - 128	Recovery	=	97.36%
32) Toluene-d8(SURR)	18.13	98	152859	48.99	ppb	-0.01
Spiked Amount	50.000	Range	40 - 61	Recovery	=	97.98%#
49) p-Bromofluorobenzene(SURR)	23.96	174	72696	49.60	ppb	-0.01
Spiked Amount	50.000	Range	39 - 68	Recovery	=	99.20%#

Target Compounds

						Qvalue
4) Vinyl Chloride	5.72	62	14291m	6.42	ppb	
11) Methylene Chloride	9.77	49	12127	3.69	ppb	# 100
12) tert-Butyl Methyl Ether (M	10.26	73	5856	1.16	ppb	# 98
15) cis-1,2-Dichloroethylene	12.45	96	3365	1.34	ppb	# 33

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

V2005651.D V2C173.M Tue Oct 04 11:43:02 2005

000136

Page 1

Data File : C:\HPCHEM\1\DATA\V2005651.D

Acq On : 24 Aug 2005 8:02 pm

Sample : 05080545-07 \$8260W/VOATICW RE ASPB

Misc : QBV2082405A

MS Integration Params: rteint.p

Quant Time: Oct 4 11:42 19105

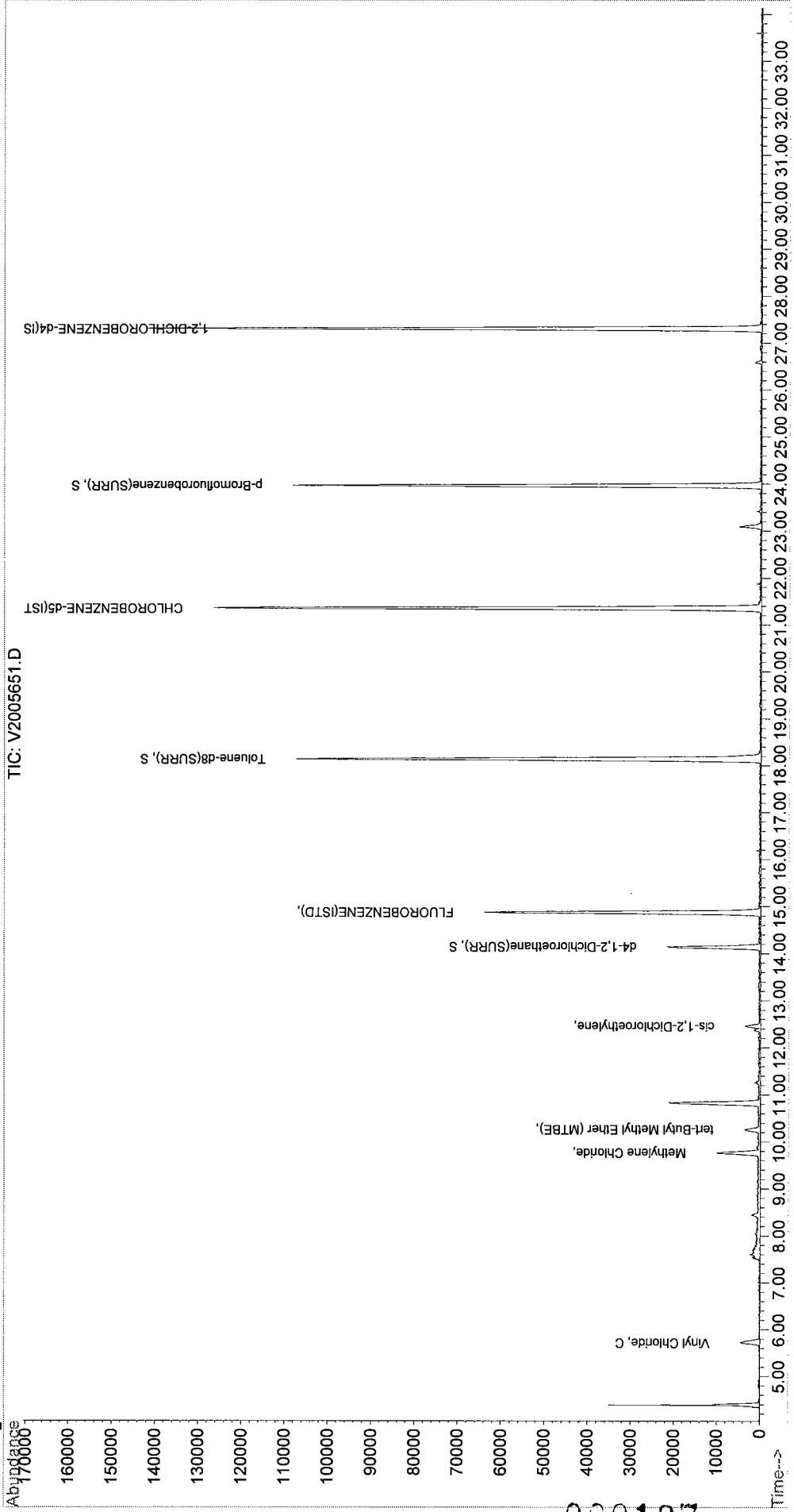
Quant Results File: V2C173.RES

Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

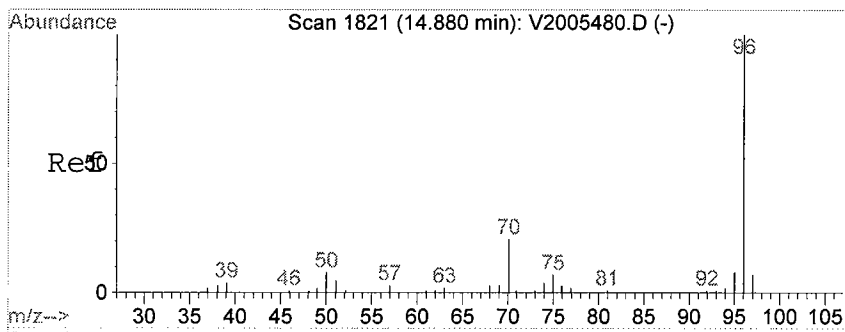
Title : VOCs BY GC/MS 8240/8260

Last Update : Thu Aug 18 08:08:33 2005

Response via : Initial Calibration

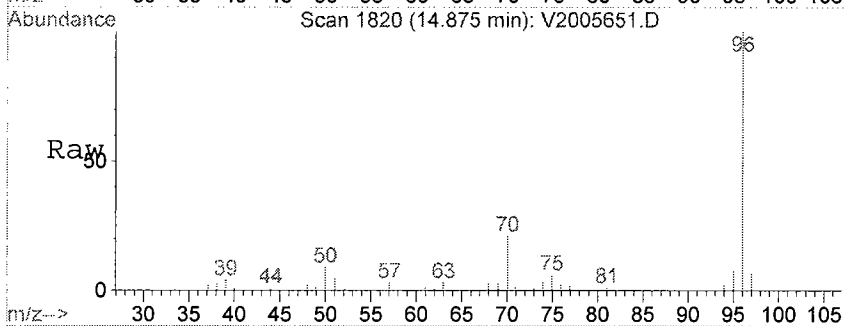


000137



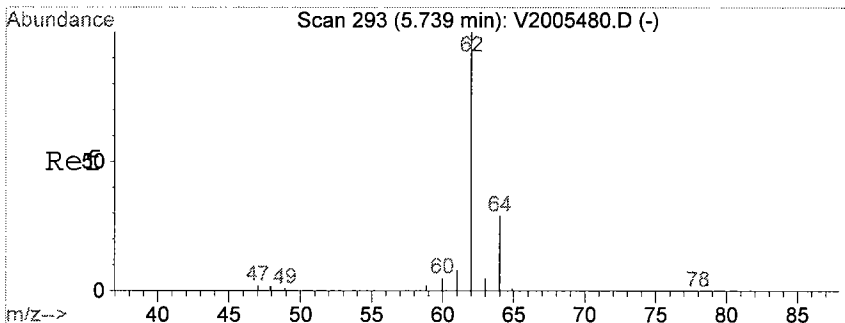
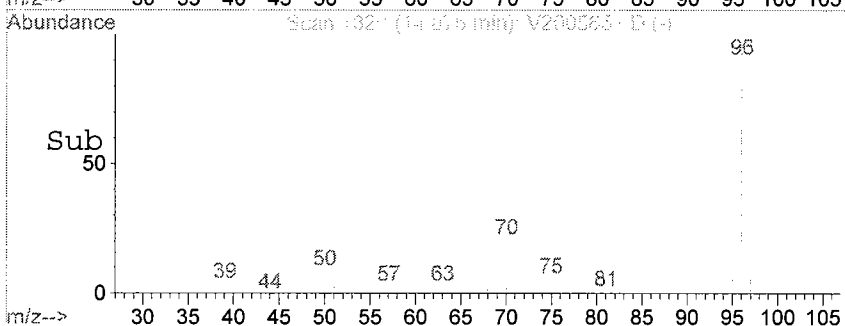
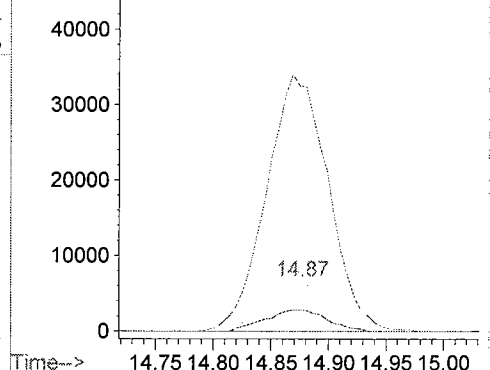
#1
 FLUOROBENZENE (ISTD)
 Concen: 50.00 ppb
 RT: 14.87 min Scan# 1820
 Delta R.T. -0.01 min
 Lab File: V2005651.D
 Acq: 24 Aug 2005 8:02 pm

Tgt Ion	Ratio	Lower	Upper
70	100		
96	524.8	404.2	606.2
70	100.0	80.0	120.0
50	43.7	34.5	51.7



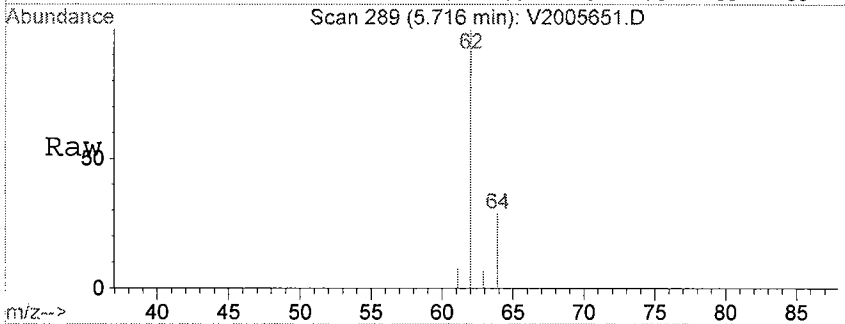
Abundance

Ion 70.00 (69.70 to 70.70): V2005651.
 Ion 96.00 (95.70 to 96.70): V2005651.
 Ion 70.00 (69.70 to 70.70): V2005651.
 Ion 50.00 (49.70 to 50.70): V2005651.



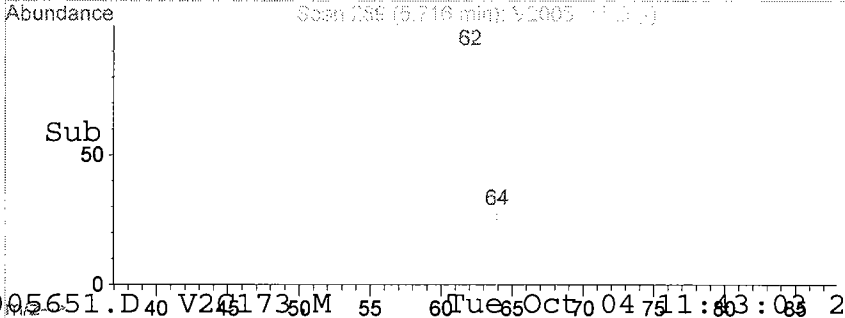
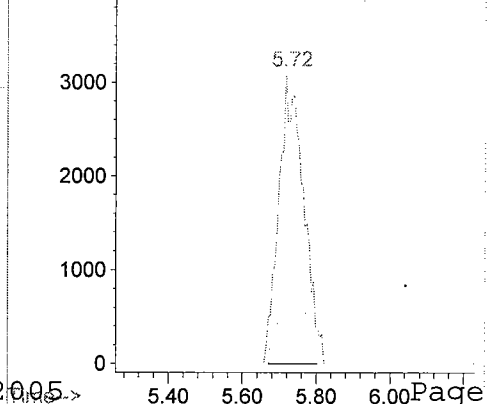
#4
 Vinyl Chloride
 Concen: 6.42 ppb m
 RT: 5.72 min Scan# 289
 Delta R.T. -0.02 min
 Lab File: V2005651.D
 Acq: 24 Aug 2005 8:02 pm

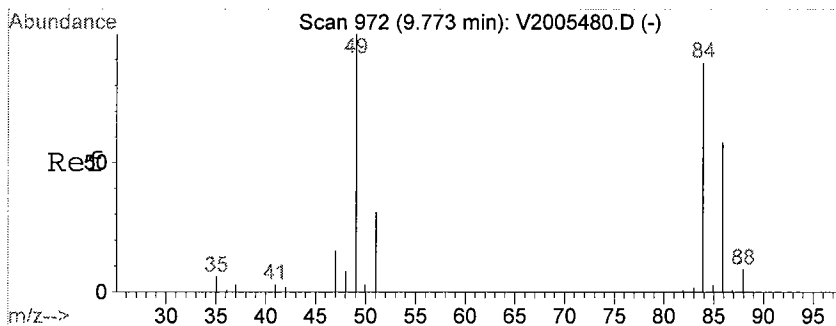
Tgt Ion	Ratio	Lower	Upper
62	100		
62	52.5	80.0	120.0#
64	17.5	24.9	37.3#



Abundance

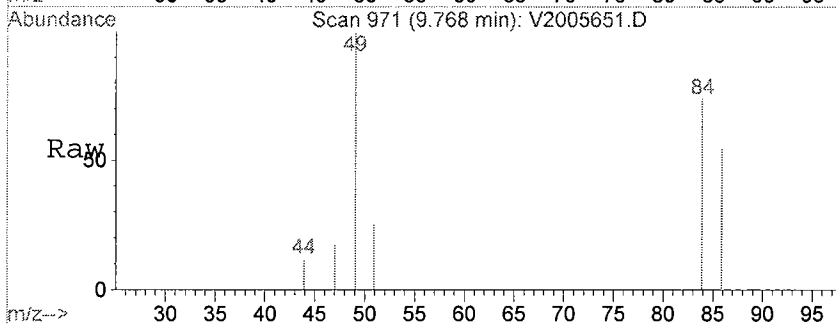
Ion 62.00 (61.70 to 62.70): V2005651.
 Ion 62.00 (61.70 to 62.70): V2005651.
 Ion 64.00 (63.65 to 64.35): V2005651.



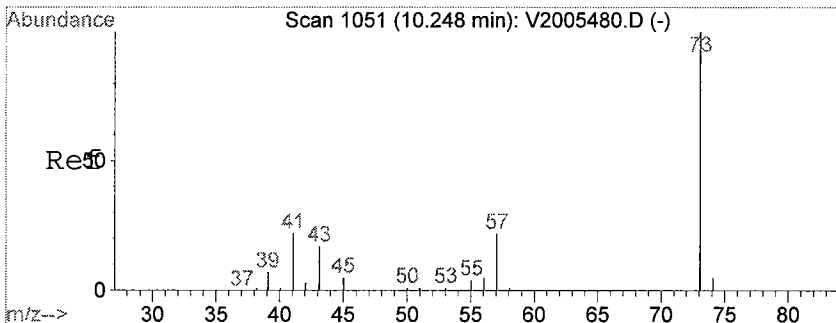
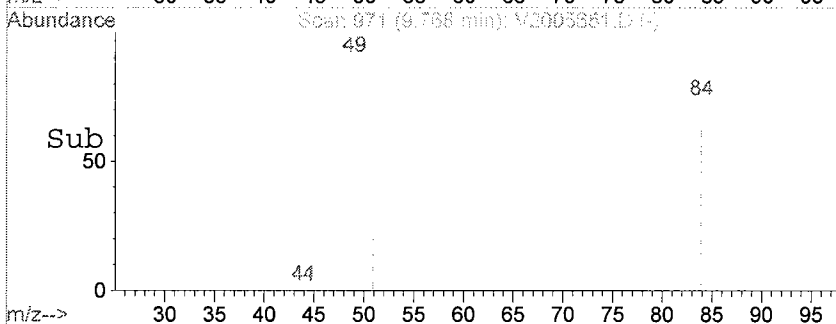
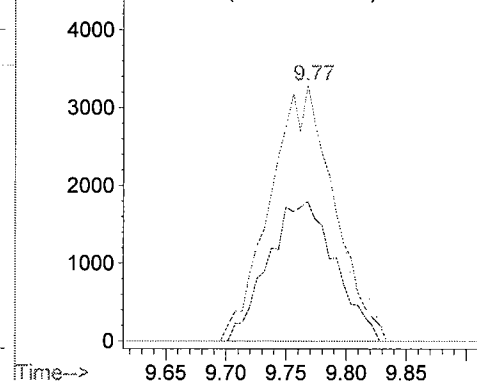


#11
Methylene Chloride
Concen: 3.69 ppb
RT: 9.77 min Scan# 971
Delta R.T. 0.00 min
Lab File: V2005651.D
Acq: 24 Aug 2005 8:02 pm

Tgt Ion: 49 Resp: 12127
Ion Ratio Lower Upper
49 100
49 100.0 80.0 120.0
84 90.5 71.8 107.8
86 0.0 0.0 0.0

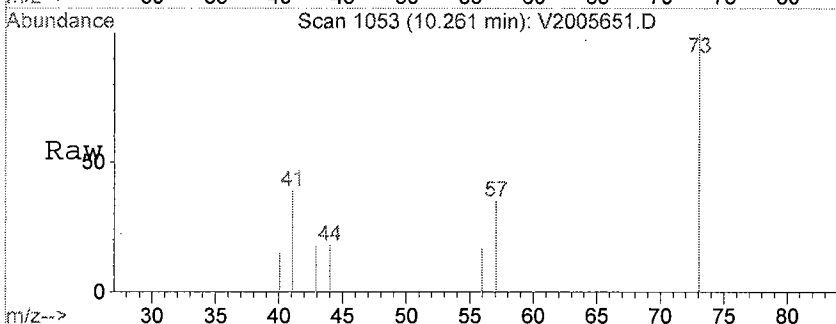


Abundance Ion 48.95 (48.65 to 49.65): V2005651.
Ion 48.95 (48.65 to 49.65): V2005651.
Ion 85.90 (85.60 to 86.60): V2005651.

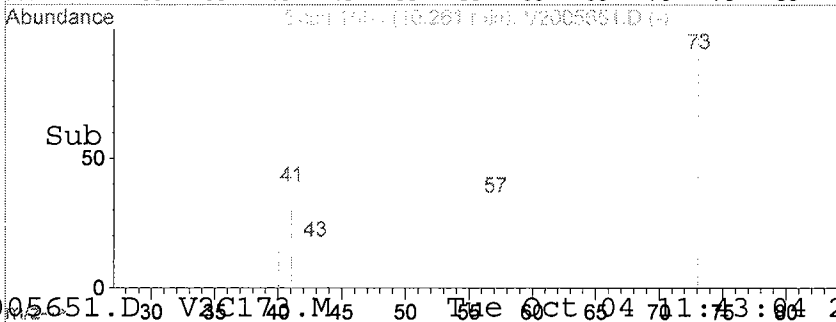
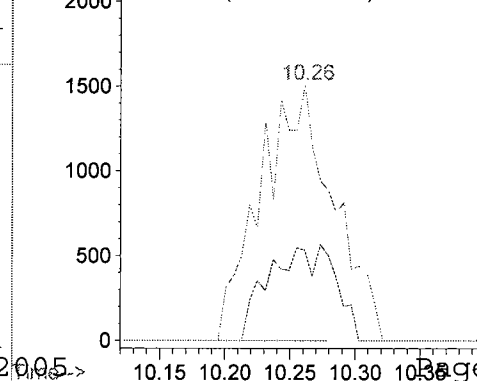


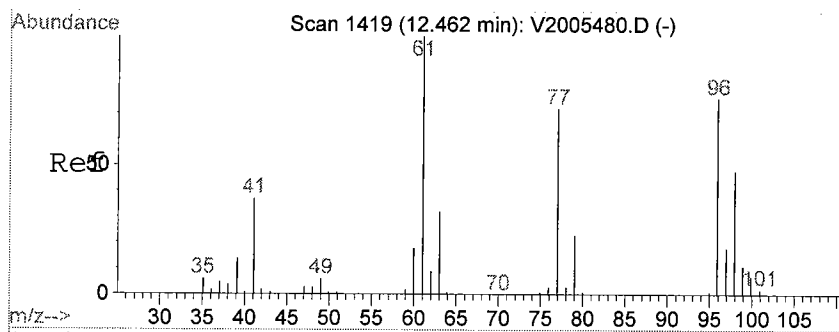
#12
tert-Butyl Methyl Ether (MTBE)
Concen: 1.16 ppb
RT: 10.26 min Scan# 1053
Delta R.T. 0.02 min
Lab File: V2005651.D
Acq: 24 Aug 2005 8:02 pm

Tgt Ion: 73 Resp: 5856
Ion Ratio Lower Upper
73 100
73 100.0 80.0 120.0
43 11.5 13.4 20.2#
57 22.5 17.2 25.8



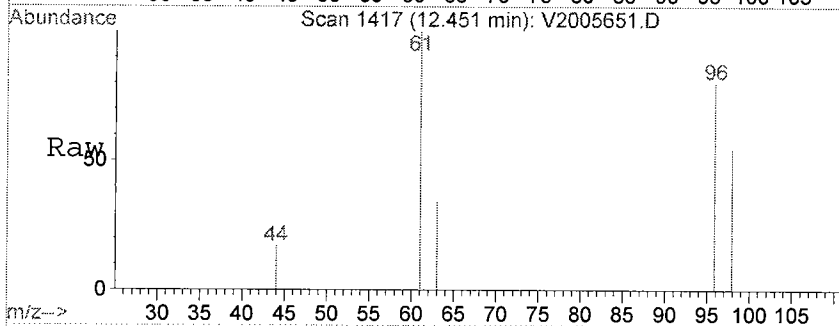
Abundance Ion 73.00 (72.70 to 73.70): V2005651.
Ion 73.00 (72.70 to 73.70): V2005651.
Ion 43.00 (42.70 to 43.70): V2005651.
Ion 57.00 (56.70 to 57.70): V2005651.



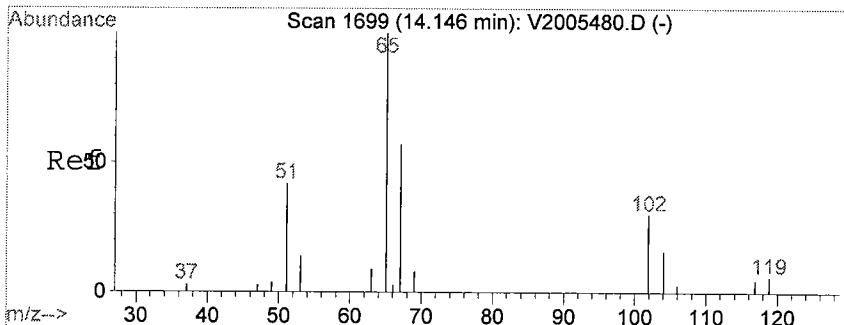
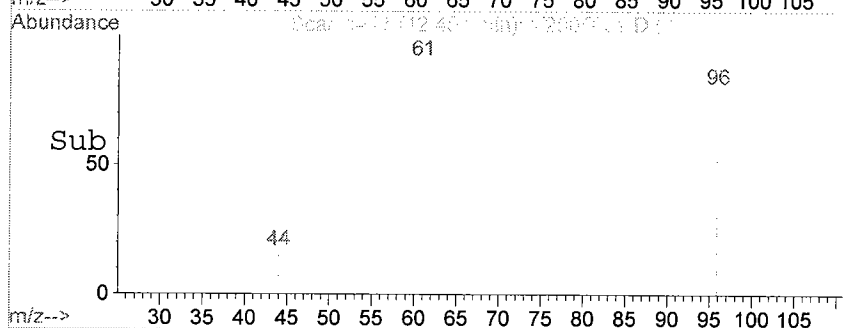
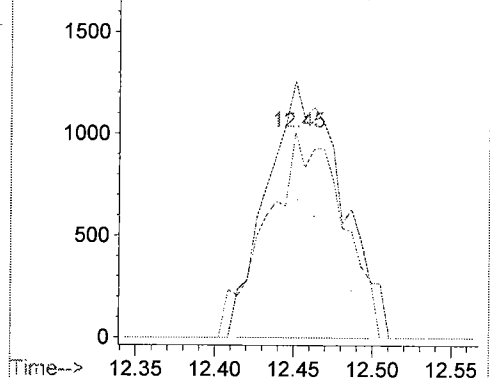


#15
 cis-1,2-Dichloroethylene
 Concen: 1.34 ppb
 RT: 12.45 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: V2005651.D
 Acq: 24 Aug 2005 8:02 pm

Tgt Ion: 96 Resp: 3365
 Ion Ratio Lower Upper
 96 100
 96 100.0 80.0 120.0
 98 62.6 0.0 0.0#
 61 0.0 111.0 166.4#

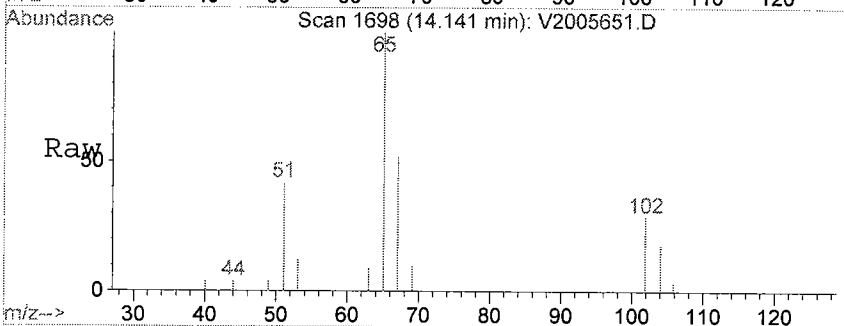


Abundance Ion 95.95 (95.65 to 96.65): V2005651.
 Ion 95.95 (95.65 to 96.65): V2005651.
 Ion 61.00 (60.70 to 61.70): V2005651.

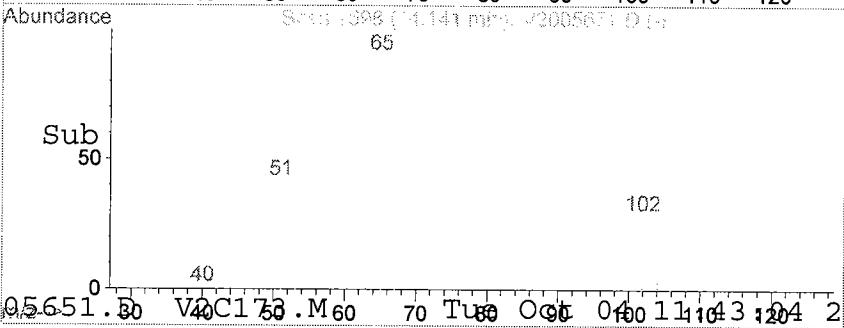
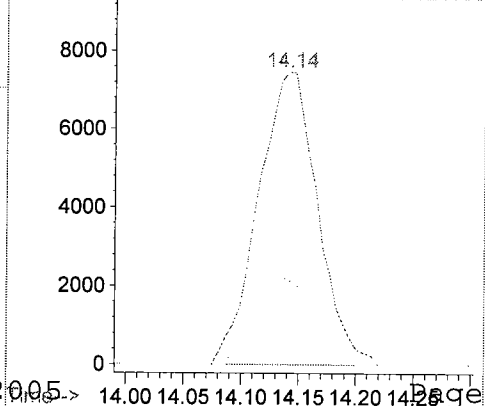


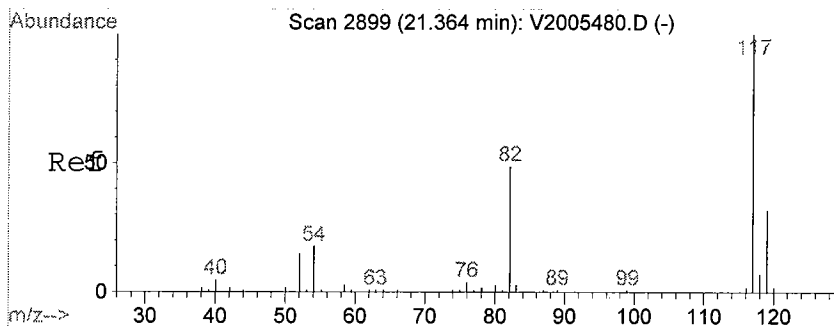
#21
 d4-1,2-Dichloroethane (SURR)
 Concen: 48.68 ppb
 RT: 14.14 min Scan# 1698
 Delta R.T. -0.01 min
 Lab File: V2005651.D
 Acq: 24 Aug 2005 8:02 pm

Tgt Ion: 65 Resp: 26705
 Ion Ratio Lower Upper
 65 100
 65 100.0 80.0 120.0
 102 27.8 21.4 32.2



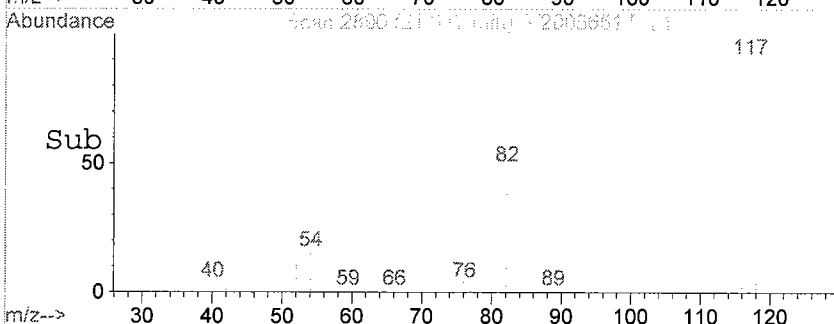
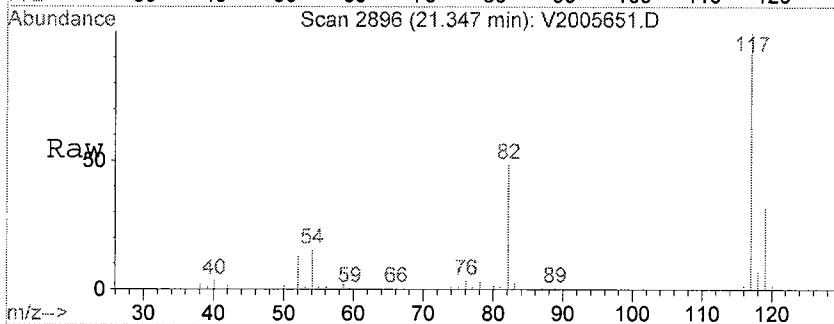
Abundance Ion 65.00 (64.70 to 65.70): V2005651.
 Ion 65.00 (64.70 to 65.70): V2005651.
 Ion 102.00 (101.70 to 102.70): V2005651.



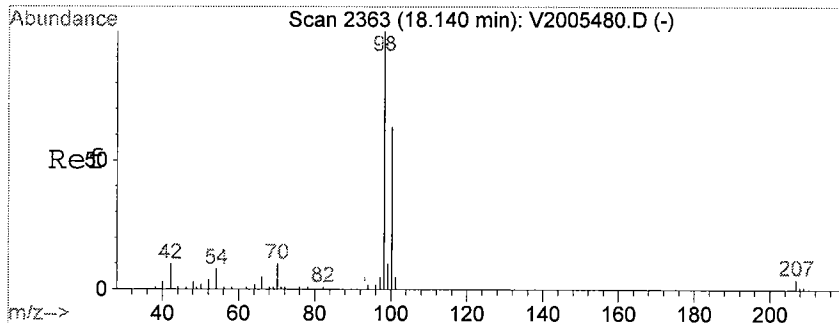
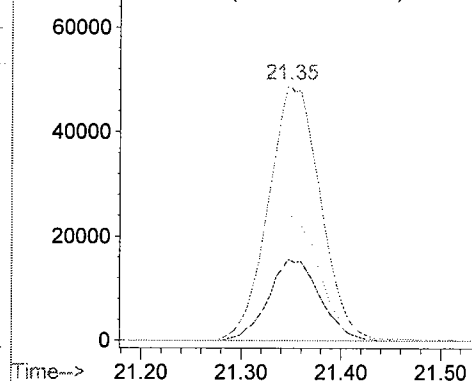


#25
 CHLOROBENZENE-d5 (ISTD)
 Concen: 50.00 ppb
 RT: 21.35 min Scan# 2896
 Delta R.T. -0.02 min
 Lab File: V2005651.D
 Acq: 24 Aug 2005 8:02 pm

Tgt Ion: 117 Resp: 177343
 Ion Ratio Lower Upper
 117 100
 117 100.0 80.0 120.0
 82 0.0 0.0 0.0
 119 31.7 24.6 37.0

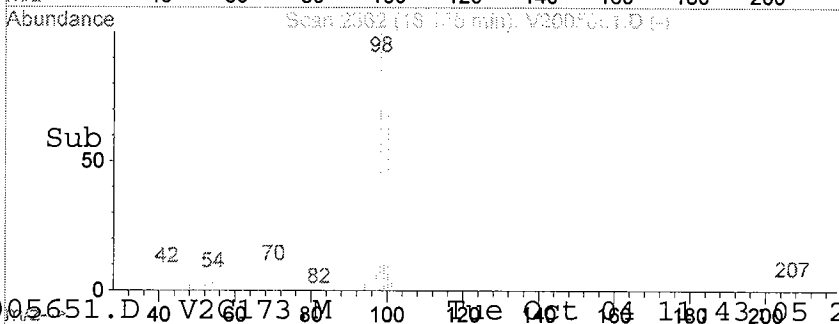
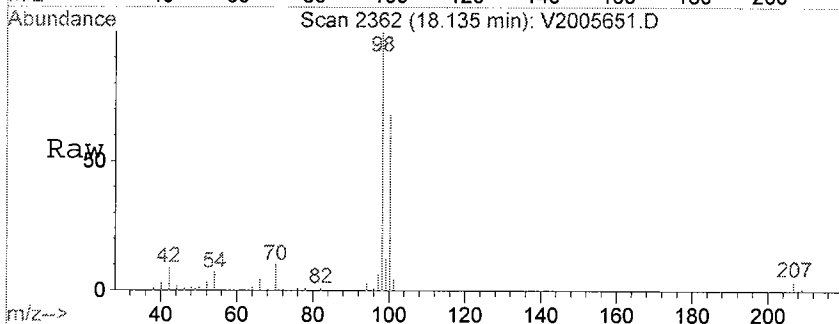


Abundance Ion 117.00 (116.70 to 117.70): V2005651.D
 Ion 117.00 (116.70 to 117.70): V2005651.D
 Ion 119.00 (118.70 to 119.70): V2005651.D

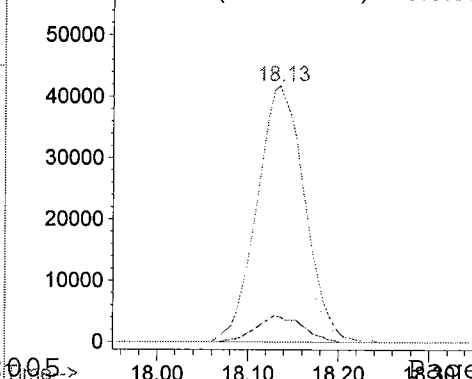


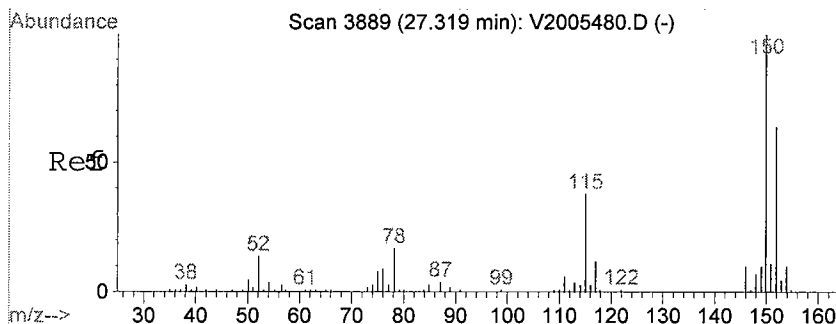
#32
 Toluene-d8 (SURR)
 Concen: 48.99 ppb
 RT: 18.13 min Scan# 2362
 Delta R.T. -0.01 min
 Lab File: V2005651.D
 Acq: 24 Aug 2005 8:02 pm

Tgt Ion: 98 Resp: 152859
 Ion Ratio Lower Upper
 98 100
 98 100.0 80.0 120.0
 100 0.0 53.7 80.5#
 70 10.1 8.0 12.0



Abundance Ion 98.00 (97.70 to 98.70): V2005651.D
 Ion 98.00 (97.70 to 98.70): V2005651.D
 Ion 100.00 (99.70 to 100.70): V2005651.D
 Ion 70.00 (69.70 to 70.70): V2005651.D





#47

1,2-DICHLOROBENZENE-d4 (ISTD)

Concen: 50.00 ppb

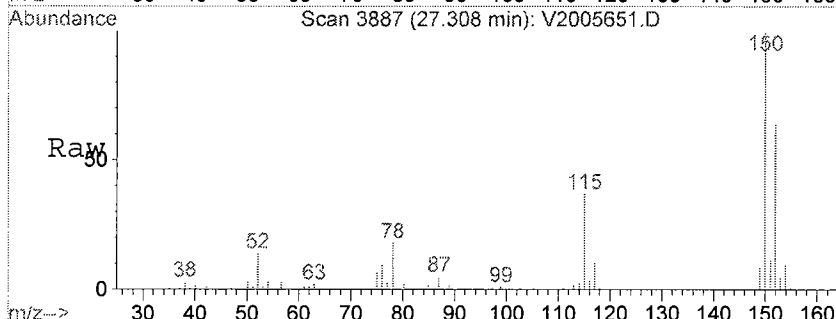
RT: 27.31 min Scan# 3887

Delta R.T. -0.01 min

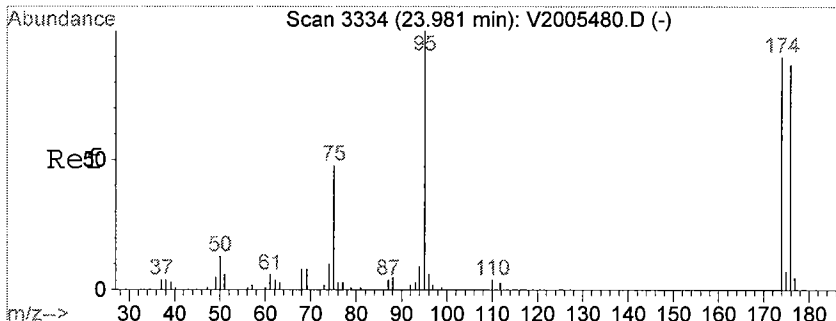
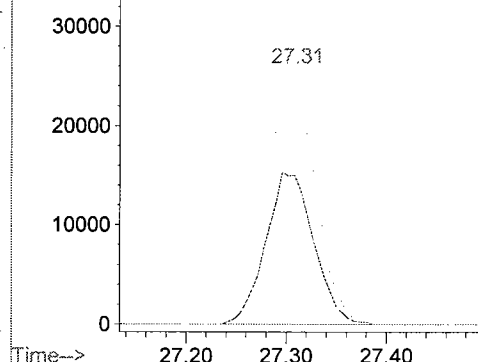
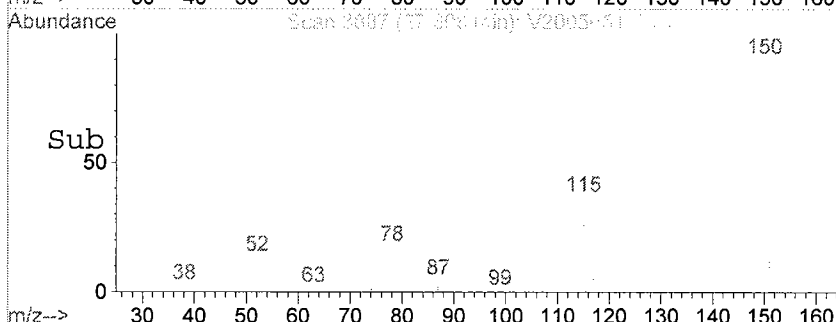
Lab File: V2005651.D

Acq: 24 Aug 2005 8:02 pm

Tgt Ion:	152	Resp:	85561
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): V20056
40000 Ion 152.00 (151.70 to 152.70): V20056
Ion 115.00 (114.70 to 115.70): V20056



#49

p-Bromofluorobenzene (SURR)

Concen: 49.60 ppb

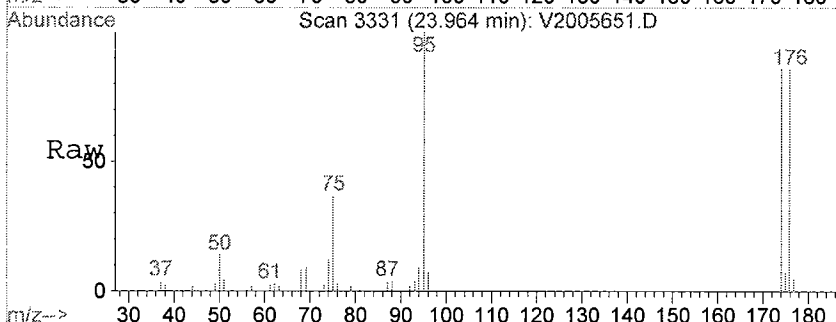
RT: 23.96 min Scan# 3331

Delta R.T. -0.01 min

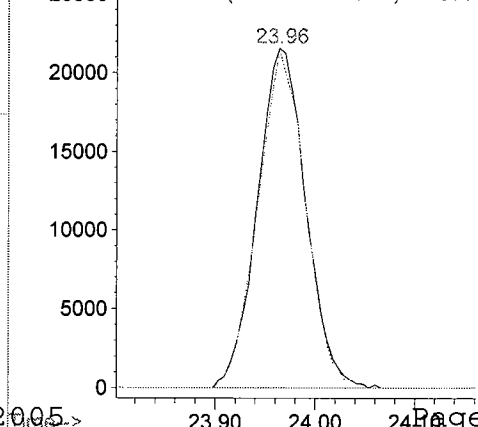
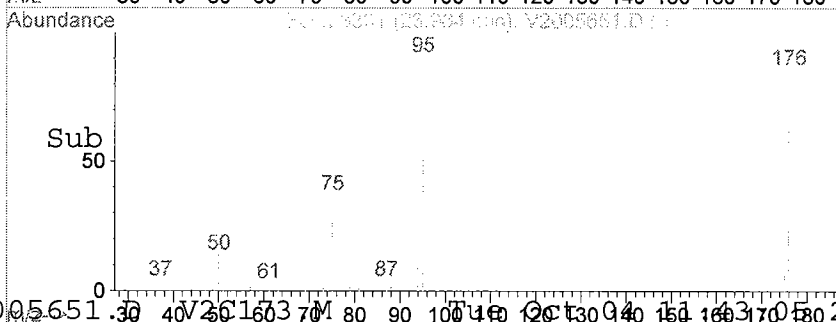
Lab File: V2005651.D

Acq: 24 Aug 2005 8:02 pm

Tgt Ion:	174	Resp:	72696
Ion Ratio	Lower	Upper	
174	100		
176	96.8	75.6	113.4



Abundance Ion 174.00 (173.70 to 174.70): V20056
25000 Ion 176.00 (175.70 to 176.70): V20056



Client Sample ID

MW-11

Sample Amount: SOIL=1.0g/WATER=5.0ml

Date Collected: 8/15/05

Sample Type: **WATER**

Matrix: WATER

Date Received: 8/17/05

Dilution Factor: 1.00

Date Analyzed: 8/24/05

SDG: 05080545-07

Level: **LOW**

Lab ID: 05080545-07

Lab File ID: V2005651.D

CONCENTRATION
UNITS: **ug/L** **DRY**

[illegible]

LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\V2005651.D
Acq On : 24 Aug 2005 8:02 pm
Sample : 05080545-07 \$8260W/VOATICW RE ASPB
Misc : QBV2082405A
MS Integration Params: RTEINT.P

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

Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
Title : VOCs BY GC/MS 8240/8260
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.5 % of largest Peak
Start Thrs: 0.001 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	4.388	50	60	75	rBB	35061	40199	8.41%	1.778%
2	5.734	277	292	308	rBB2	4513	20895	4.37%	0.924%
3	7.524	595	598	600	rBV	1656	3003	0.63%	0.133%
4	8.444	744	751	760	rVB4	1753	5273	1.10%	0.233%
5	9.762	959	970	982	rVB2	9784	37937	7.94%	1.678%
6	10.261	1040	1053	1064	rVB3	3318	12662	2.65%	0.560%
7	10.832	1134	1148	1161	rVB4	20934	80883	16.92%	3.578%
8	12.378	1395	1405	1410	rVV3	1466	4213	0.88%	0.186%
9	12.451	1410	1417	1428	rVV2	3398	11856	2.48%	0.524%
10	14.147	1685	1699	1712	rVB2	21418	75742	15.85%	3.350%
11	14.875	1803	1820	1839	rVB2	63973	236676	49.51%	10.469%
12	18.135	2345	2362	2386	rBV2	107409	416579	87.15%	18.428%
13	21.347	2883	2896	2913	rBV2	126376	451635	94.49%	19.978%
14	23.091	3175	3186	3200	rBB4	5125	18935	3.96%	0.838%
15	23.416	3233	3240	3250	rBB	1153	2460	0.51%	0.109%
16	23.964	3318	3331	3347	rBV2	108215	360904	75.50%	15.965%
17	26.580	3758	3766	3768	rBV3	1755	2783	0.58%	0.123%
18	27.302	3873	3886	3906	rVB2	142013	477990	100.00%	21.144%

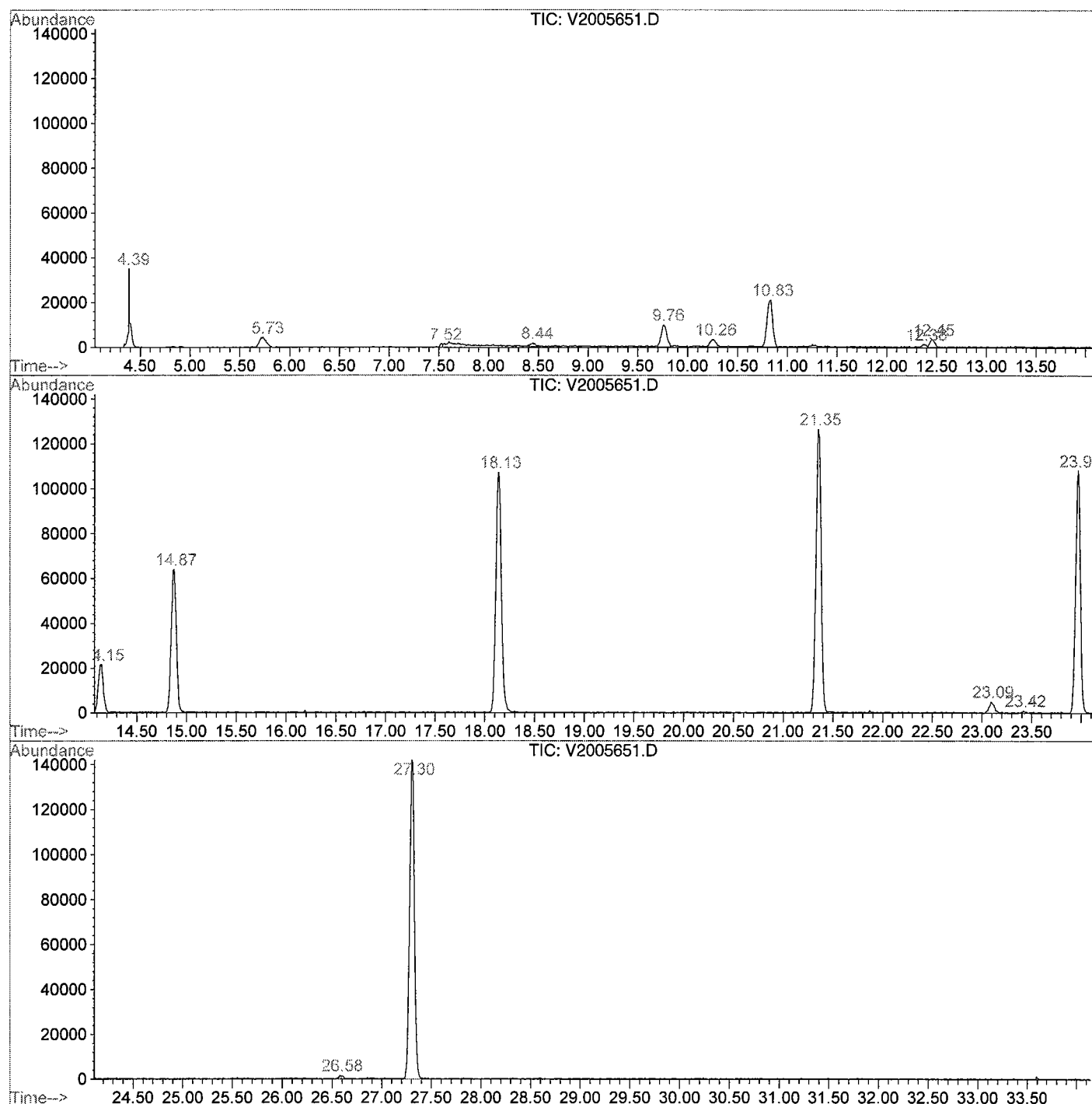
Sum of corrected areas: 2260625

V2005651.D V2C173.M Thu Aug 25 09:04:06 2005

000144

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\V2005651.D
 Operator : SS
 Acquired : 24 Aug 2005 8:02 pm using AcqMethod V2C173
 Instrument : VOA No. 2
 Sample Name: 05080545-07 \$8260W/VOATICW RE ASPB
 Misc Info : QBV2082405A
 Vial Number: 9
 Quant File :V2C173.RES (RTE Integrator)



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\V2005651.D

Vial: 9

Acq On : 24 Aug 2005 8:02 pm

Operator: SS

Sample : 05080545-07 \$8260W/VOATICW RE ASPB

Inst : VOA No. 2

Misc : QBV2082405A

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

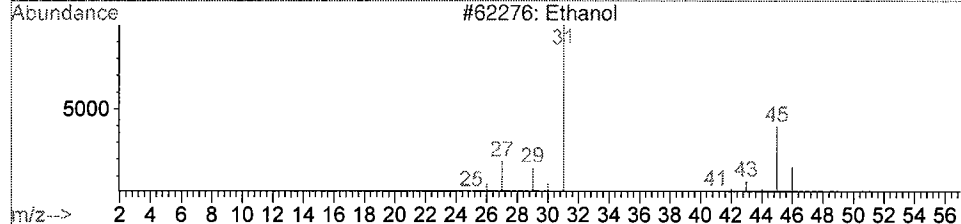
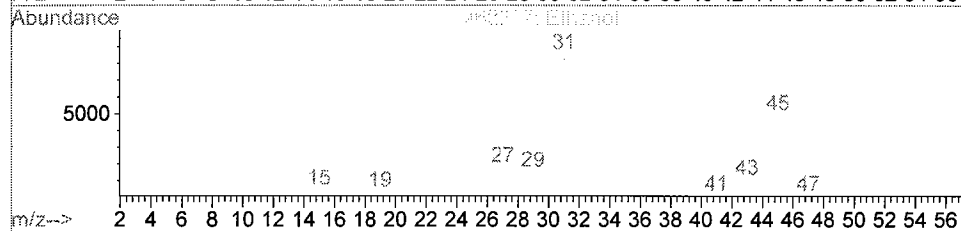
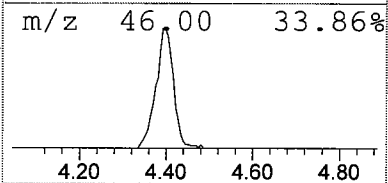
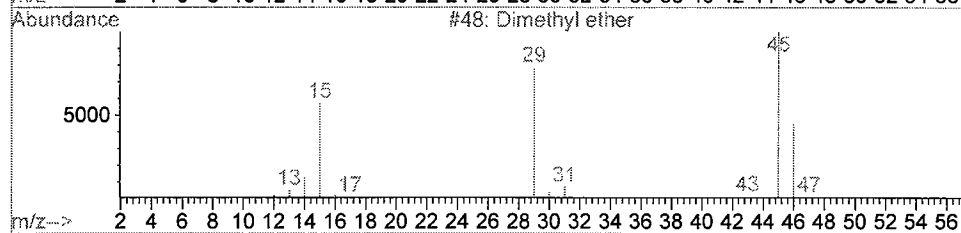
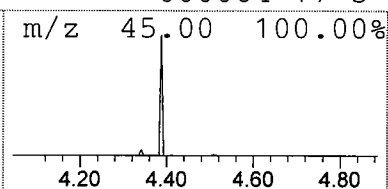
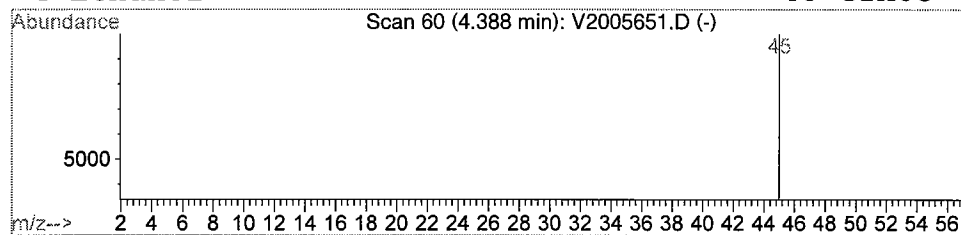
Title : VOCs BY GC/MS 8240/8260

Library : C:\DATABASE\NBS75K.L

Peak Number 1 Dimethyl ether

Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.		
4.39	8.49 ppb	40199	FLUOROBENZENE (ISTD)	14.87		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dimethyl ether		46	C2H6O	000115-10-6	5
2	Ethanol		46	C2H6O	000064-17-5	4
3	Ethanol		46	C2H6O	000064-17-5	4
4	Ethanol		46	C2H6O	000064-17-5	4



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\V2005651.D

Vial: 9

Acq On : 24 Aug 2005 8:02 pm

Operator: SS

Sample : 05080545-07 \$8260W/VOATICW RE ASPB

Inst : VOA No. 2

Misc : QBV2082405A

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

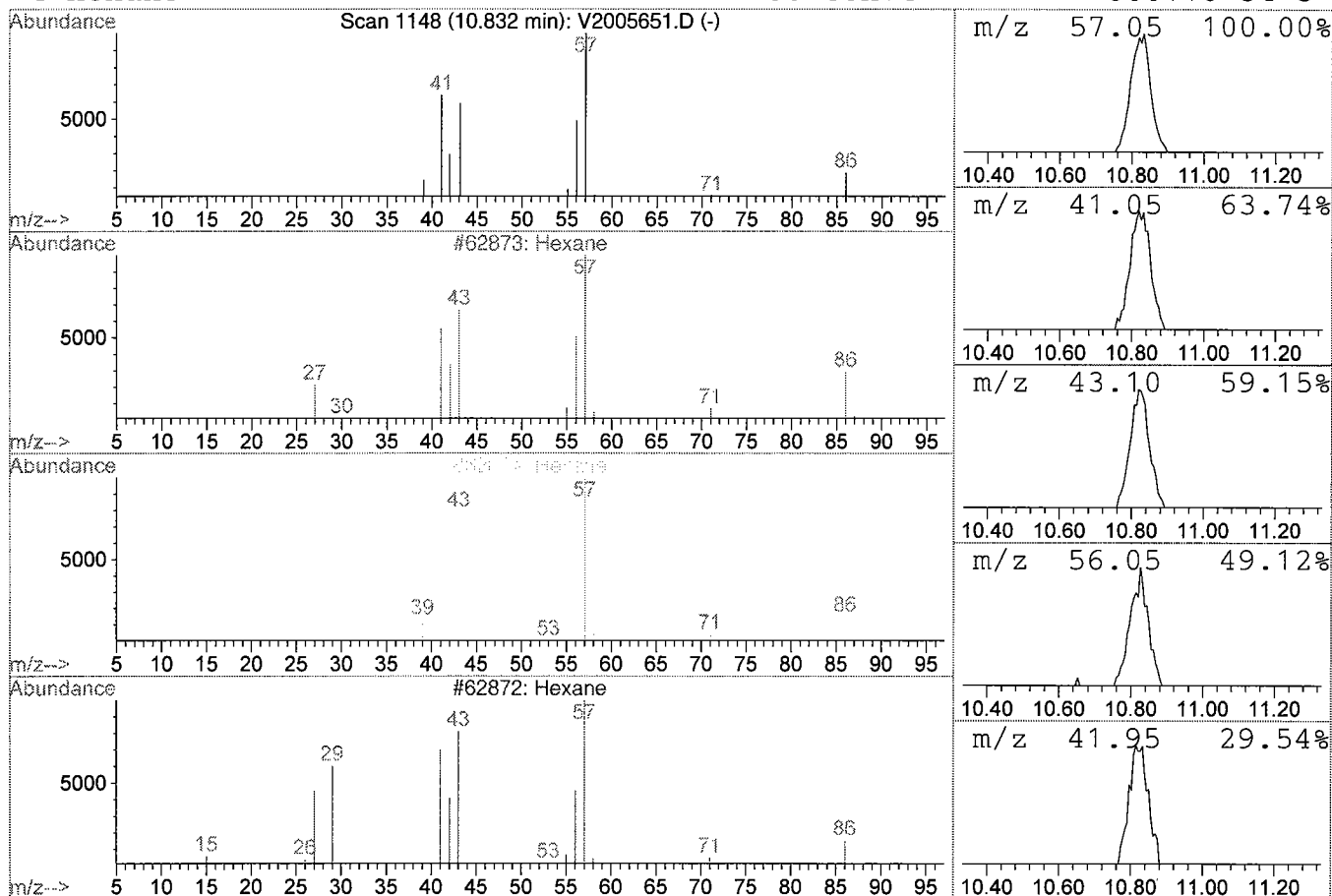
Title : VOCs BY GC/MS 8240/8260

Library : C:\DATABASE\NBS75K.L

Peak Number 2 Hexane

Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.		
10.83	17.09 ppb	80883	FLUOROBENZENE(ISTD)	14.87		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane		86	C6H14	000110-54-3	86
2	Hexane		86	C6H14	000110-54-3	83
3	Hexane		86	C6H14	000110-54-3	83
4	Hexane		86	C6H14	000110-54-3	74



Tentatively Identified Compound (LSC) summary

Operator ID: SS Date Acquired: 24 Aug 2005 8:02 pm
 Data File: C:\HPCHEM\1\DATA\V2005651.D
 Name: 05080545-07 \$8260W/VOATICW RE ASPB
 Misc: QBV2082405A
 Method: C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
 Title: VOCs BY GC/MS 8240/8260
 Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc Units	Area	IntStd	ISRT	ISArea	ISConc
Dimethyl ether	4.39	8.5 ppb	40199	ISTD01	14.87	236676	50.0
Hexane	10.83	17.1 ppb	80883	ISTD01	14.87	236676	50.0

V2005651.D V2C173.M Thu Aug 25 09:04:16 2005

Client Sample ID

MW-3

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

Matrix: WATER

Dilution Factor: 1.0

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

Date Collected: 8/15/05

Date Received: 8/17/05

Date Analyzed: 8/24/05

Level: LOW

Sample Type: WATER

SDG: 05080545

Lab ID: 05080545-08

Lab File ID: V2005652.D

CONCENTRATION
UNITS: ug/L

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
MW-3	05080545-08	Benzene	1 U
MW-3	05080545-08	Bromobenzene	1 U
MW-3	05080545-08	Bromochloromethane	1 U
MW-3	05080545-08	Bromodichloromethane	1 U
MW-3	05080545-08	Bromoform	1 U
MW-3	05080545-08	Bromomethane	1 U
MW-3	05080545-08	n-Butylbenzene	1 U
MW-3	05080545-08	sec-Butylbenzene	1 U
MW-3	05080545-08	tert-Butylbenzene	1 U
MW-3	05080545-08	Carbon tetrachloride	1 U
MW-3	05080545-08	Chlorobenzene	1 U
MW-3	05080545-08	Chloroethane	1 U
MW-3	05080545-08	Chloroform	1 U
MW-3	05080545-08	1-Chlorohexane	1 U
MW-3	05080545-08	Chloromethane	1 U
MW-3	05080545-08	2-Chlorotoluene	1 U
MW-3	05080545-08	4-Chlorotoluene	1 U
MW-3	05080545-08	Dibromochloromethane	1 U
MW-3	05080545-08	1,2-Dibromo-3-chloropropane	1 U
MW-3	05080545-08	1,2-Dibromoethane	1 U
MW-3	05080545-08	Dibromomethane	1 U
MW-3	05080545-08	1,2-Dichlorobenzene	1 U
MW-3	05080545-08	1,3-Dichlorobenzene	1 U
MW-3	05080545-08	1,4-Dichlorobenzene	1 U
MW-3	05080545-08	Dichlorodifluoromethane	1 U
MW-3	05080545-08	1,1-Dichloroethane	1 U
MW-3	05080545-08	1,2-Dichloroethane	1 U
MW-3	05080545-08	1,1-Dichloroethylene	1 U
MW-3	05080545-08	1,2-Dichloroethylene (Total)	1 U
MW-3	05080545-08	1,2-Dichloropropane	1 U
MW-3	05080545-08	1,3-Dichloropropane	1 U
MW-3	05080545-08	2,2-Dichloropropane	1 U
MW-3	05080545-08	1,1-Dichloropropylene	1 U

Client Sample ID

MW-3

CONCENTRATION

UNITS: ug/L

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
MW-3	05080545-08	cis-1,3-Dichloropropylene	1 U
MW-3	05080545-08	trans-1,3-Dichloropropylene	1 U
MW-3	05080545-08	Ethylbenzene	1 U
MW-3	05080545-08	Hexachlorobutadiene	1 U
MW-3	05080545-08	Isopropylbenzene	1 U
MW-3	05080545-08	p-Isopropyltoluene	1 U
MW-3	05080545-08	Methylene chloride	3 B
MW-3	05080545-08	Naphthalene	1 U
MW-3	05080545-08	n-Propylbenzene	1 U
MW-3	05080545-08	Styrene	1 U
MW-3	05080545-08	1,1,1,2-Tetrachloroethane	1 U
MW-3	05080545-08	1,1,2,2-Tetrachloroethane	1 U
MW-3	05080545-08	Tetrachloroethylene	2
MW-3	05080545-08	Toluene	1 U
MW-3	05080545-08	1,2,3-Trichlorobenzene	1 U
MW-3	05080545-08	1,2,4-Trichlorobenzene	1 U
MW-3	05080545-08	1,1,1-Trichloroethane	1 U
MW-3	05080545-08	1,1,2-Trichloroethane	1 U
MW-3	05080545-08	Trichloroethylene	1 U
MW-3	05080545-08	Trichlorofluoromethane	1 U
MW-3	05080545-08	1,2,3-Trichloropropane	1 U
MW-3	05080545-08	1,2,3-Trimethylbenzene	1 U
MW-3	05080545-08	1,2,4-Trimethylbenzene	1 U
MW-3	05080545-08	1,3,5-Trimethylbenzene	1 U
MW-3	05080545-08	Vinyl chloride	1 U
MW-3	05080545-08	o-Xylene	1 U
MW-3	05080545-08	p- & m-Xylenes	1 U
MW-3	05080545-08	MTBE	1 U

Form 1-VOA

000150

Data File : C:\HPCHEM\1\DATA\V2005652.D

Vial: 10

Acq On : 24 Aug 2005 8:43 pm

Operator: SS

Sample : 05080545-08 \$8260W/VOATICW RE ASPB

Inst : VOA No. 2

Misc : QBV2082405A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Oct 4 11:43 19105

Quant Results File: V2C173.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Thu Aug 18 08:08:33 2005

Response via : Initial Calibration

DataAcq Meth : V2C173

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.87	70	23075	50.00	ppb	-0.01
25) CHLOROBENZENE-d5(ISTD)	21.35	117	169889	50.00	ppb	-0.01
47) 1,2-DICHLOROBENZENE-d4(IST	27.31	152	82911	50.00	ppb	0.00

System Monitoring Compounds

21) d4-1,2-Dichloroethane(SURR	14.14	65	25956	49.42	ppb	-0.01
Spiked Amount	50.000	Range	37 - 128	Recovery	=	98.84%
32) Toluene-d8(SURR)	18.14	98	145786	48.77	ppb	0.00
Spiked Amount	50.000	Range	40 - 61	Recovery	=	97.54%#
49) p-Bromofluorobenzene(SURR)	23.96	174	69611	49.01	ppb	-0.01
Spiked Amount	50.000	Range	39 - 68	Recovery	=	98.02%#

Target Compounds

						Qvalue
11) Methylene Chloride	9.77	49	11071	3.52	ppb	# 98
37) Tetrachloroethylene	19.74	166	6182	2.31	ppb	# 64

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

Data File : C:\HPCHEM\1\DATA\V2005652.D

Acq On : 24 Aug 2005 8:43 pm

Sample : 05080545-08 \$8260W/VOAT1CW RE ASPB

Misc : QBV2082405A

MS Integration Params: rteint.p

Quant Time: Oct 4 11:43 19105

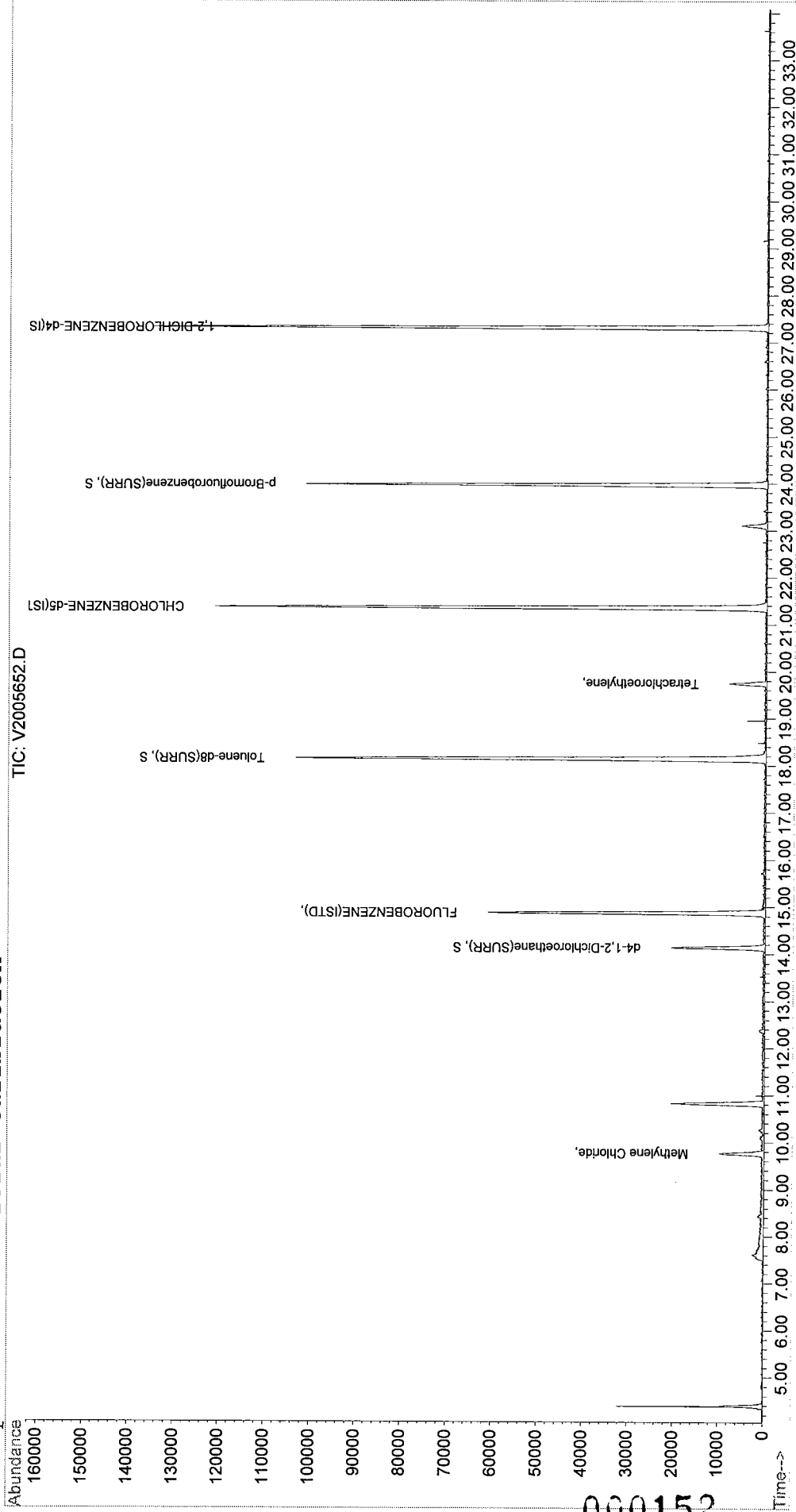
Quant Results File: V2C173.RES

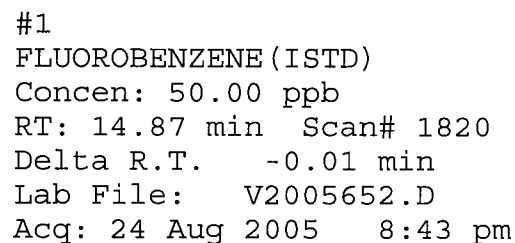
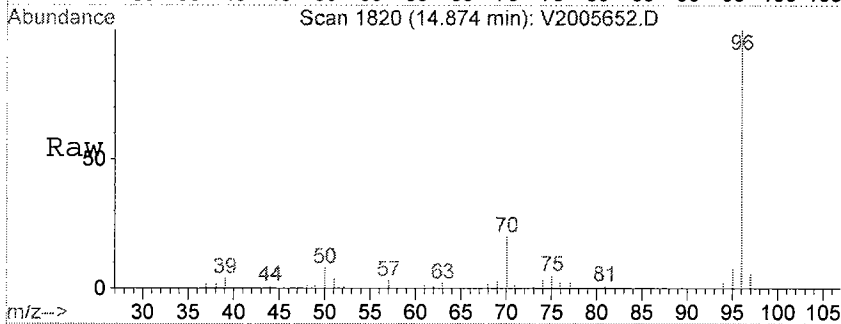
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Title : VOCs BY GC/MS 8240/8260

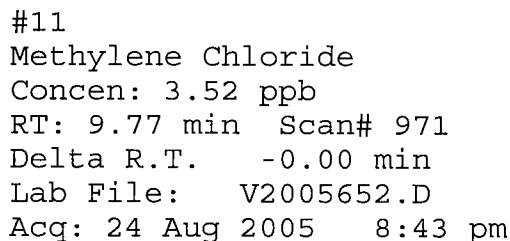
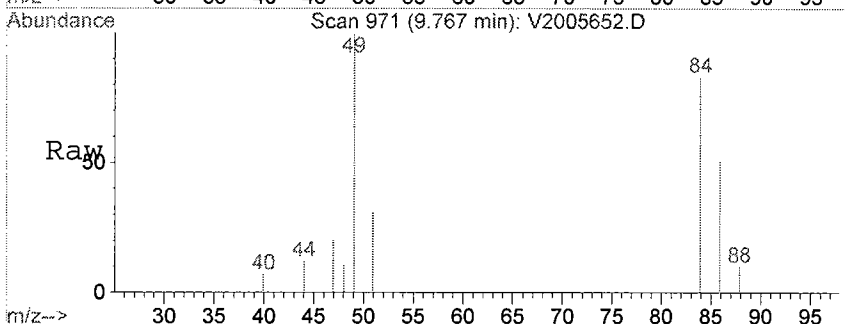
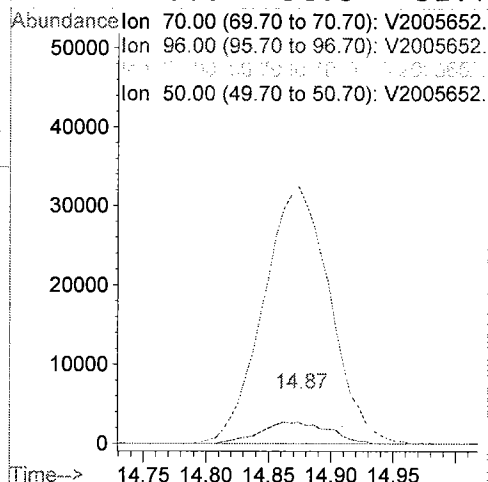
Last Update : Thu Aug 18 08:08:33 2005

Response via : Initial Calibration

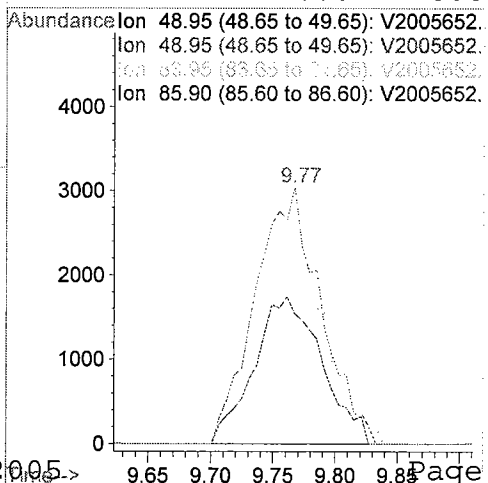


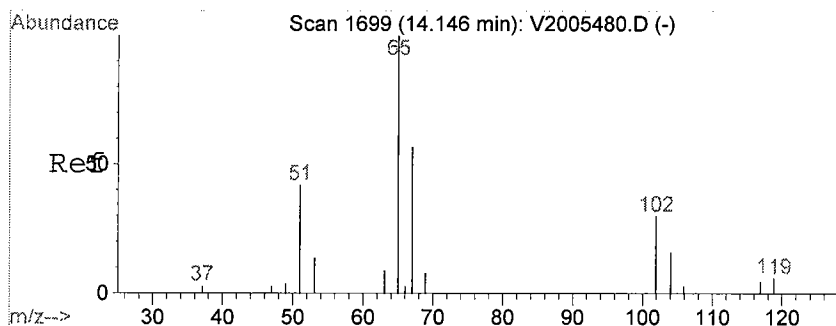


Tgt	Ion: 70	Resp:	23075
Ion	Ratio	Lower	Upper
70	100		
96	520.4	404.2	606.2
70	100.0	80.0	120.0
50	0.0	34.5	51.7#



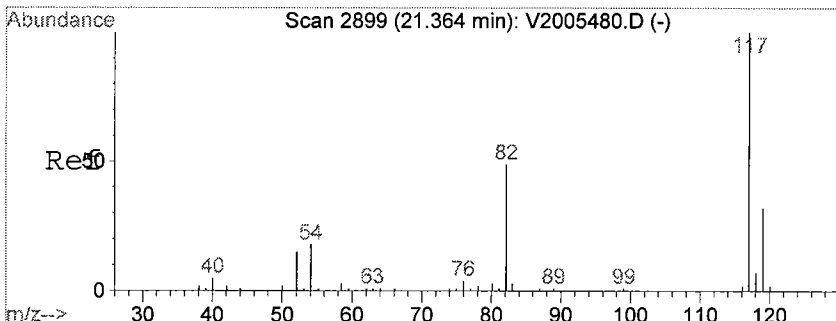
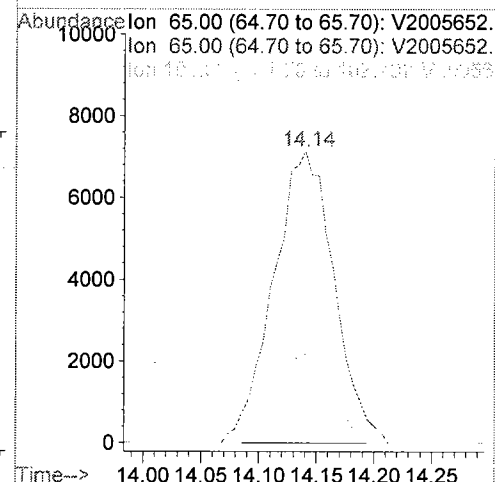
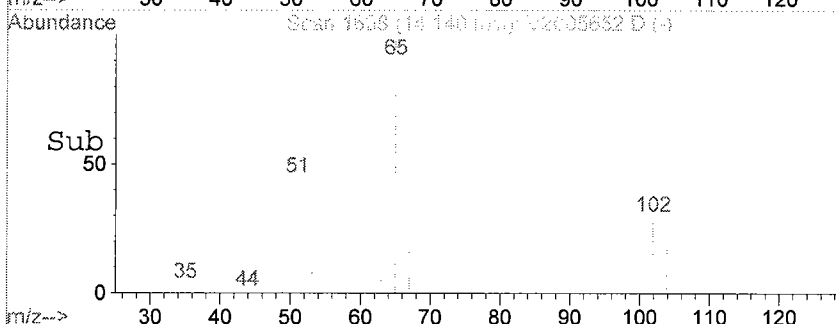
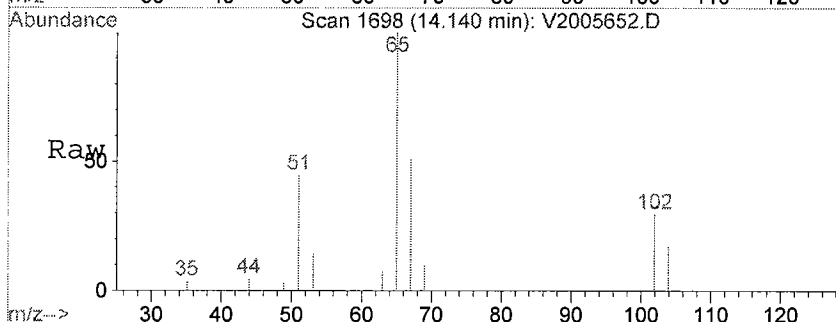
Tgt	Ion: 49	Resp:	11071
Ion	Ratio	Lower	Upper
49	100		
49	100.0	80.0	120.0
84	92.9	71.8	107.8
86	59.3	0.0	0.0#





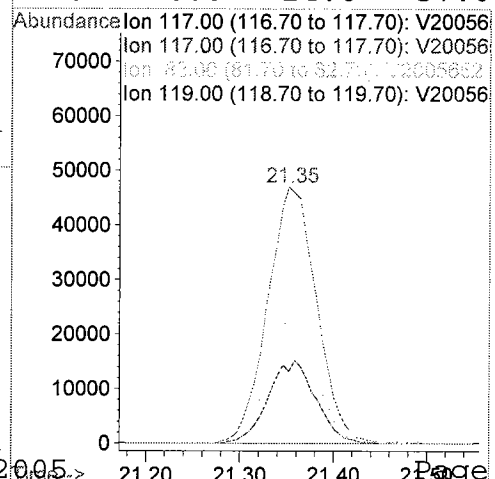
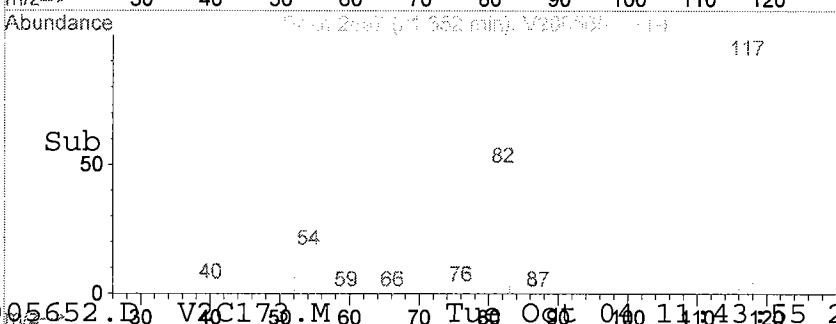
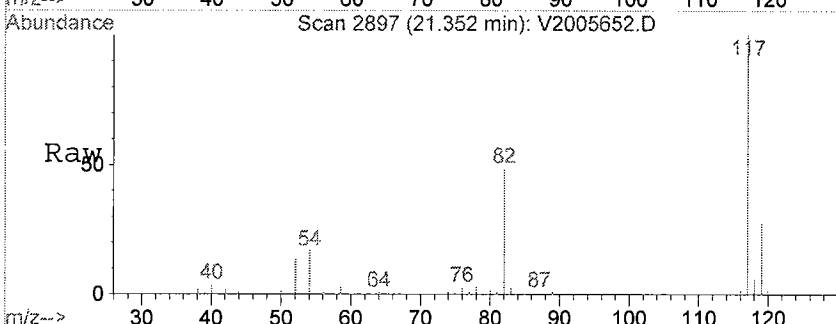
#21
d4-1,2-Dichloroethane (SURR)
Concen: 49.42 ppb
RT: 14.14 min Scan# 1698
Delta R.T. -0.01 min
Lab File: V2005652.D
Acq: 24 Aug 2005 8:43 pm

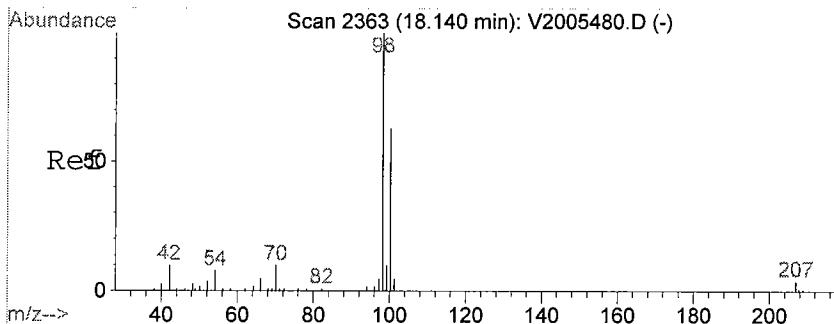
Tgt Ion: 65 Resp: 25956
Ion Ratio Lower Upper
65 100
65 100.0 80.0 120.0
102 27.1 21.4 32.2



#25
CHLOROBENZENE-d5 (ISTD)
Concen: 50.00 ppb
RT: 21.35 min Scan# 2897
Delta R.T. -0.01 min
Lab File: V2005652.D
Acq: 24 Aug 2005 8:43 pm

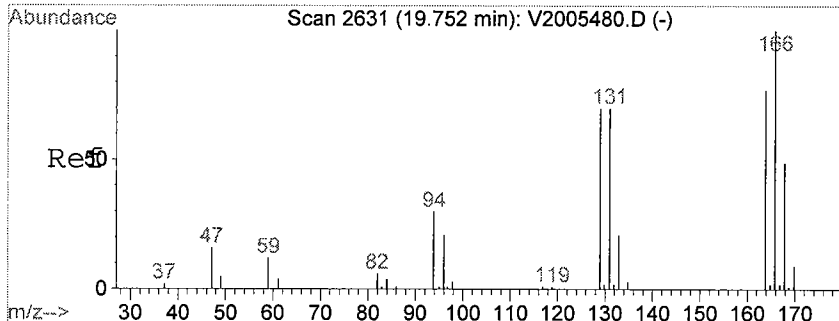
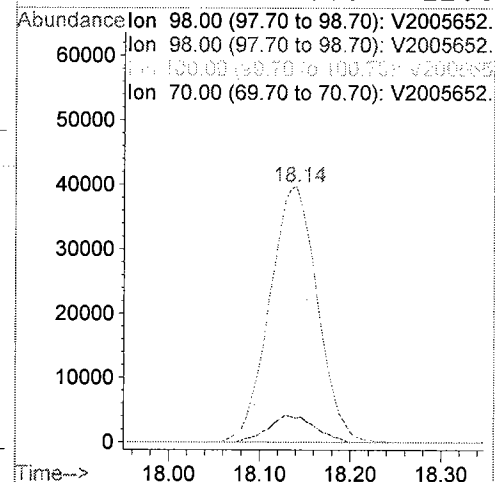
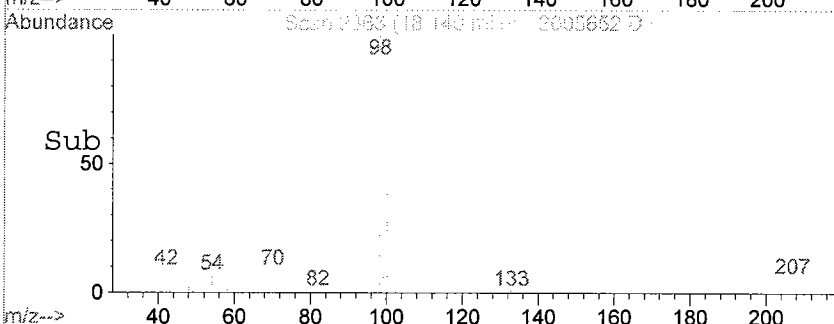
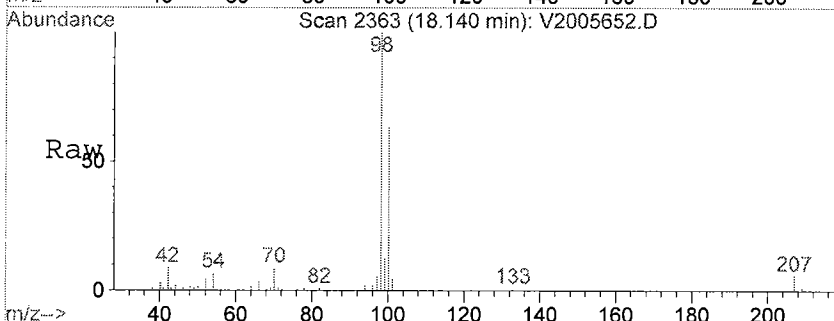
Tgt Ion: 117 Resp: 169889
Ion Ratio Lower Upper
117 100
117 100.0 80.0 120.0
82 0.0 0.0 0.0
119 0.0 24.6 37.0#





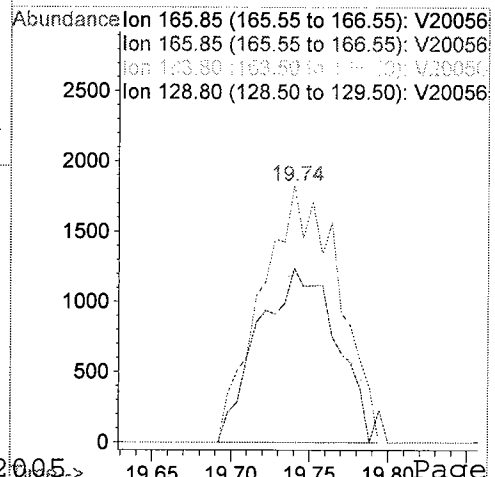
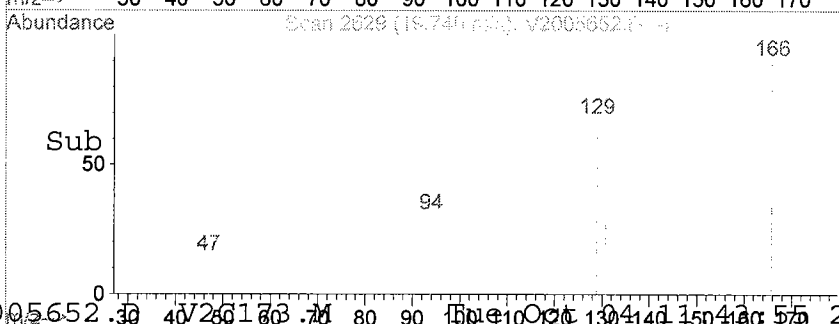
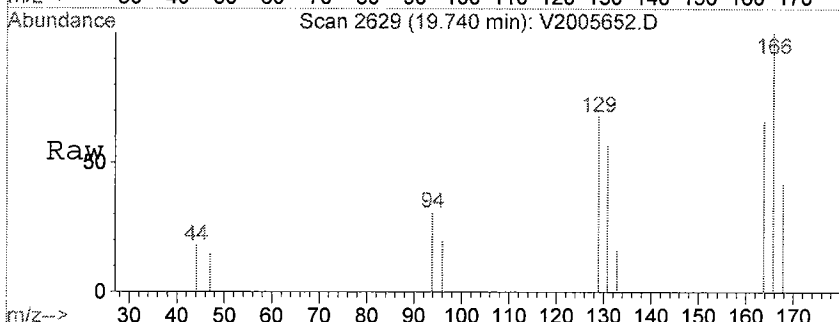
```
#32
Toluene-d8 (SURR)
Concen: 48.77 ppb
RT: 18.14 min   Scan# 2363
Delta R.T.     -0.01 min
Lab File:      V2005652.D
Acq: 24 Aug 2005   8:43 pm
```

Tgt	Ion: 98	Resp:	145786
Ion	Ratio	Lower	Upper
98	100		
98	100.0	80.0	120.0
100	66.8	53.7	80.5
70	10.2	8.0	12.0



#37
Tetrachloroethylene
Concen: 2.31 ppb
RT: 19.74 min Scan# 2629
Delta R.T. -0.02 min
Lab File: V2005652.D
Acq: 24 Aug 2005 8:43 pm

Tgt	Ion:166	Resp:	6182
Ion	Ratio	Lower	Upper
166	100		
166	100.0	80.0	120.0
164	76.0	0.0	0.0#
129	0.0	56.6	85.0#



Client Sample ID

MW-3

Sample Amount: SOIL=1.0g/WATER=5.0ml

Date Collected: 8/15/05

Sample Type: **WATER**

Matrix: WATER

Date Received: 8/17/05

Dilution Factor:	1.00
------------------	------

Date Analyzed: 8/24/05

SDG: 05080545-08

Level: **LOW**

Lab ID: 05080545-08

Lab File ID: V2005652.D

CONCENTRATION
UNITS: ug/L DRY

[illegible]

LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\V2005652.D Vial: 10
 Acq On : 24 Aug 2005 8:43 pm Operator: SS
 Sample : 05080545-08 \$8260W/VOATICW RE ASPB Inst : VOA No. 2
 Misc : QBV2082405A Multiplr: 1.00
 MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 0.5 % of largest Peak
 Start Thrs: 0.001 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	4.388	49	60	74	rBB	32216	34846	7.71%	1.619%
2	7.541	593	601	602	rBV	1706	3942	0.87%	0.183%
3	7.613	606	613	620	rVB3	1431	4518	1.00%	0.210%
4	8.432	743	749	760	rVB3	1156	3778	0.84%	0.176%
5	9.767	957	971	984	rVB3	9616	35919	7.94%	1.669%
6	10.820	1134	1146	1162	rVB2	20402	75987	16.80%	3.530%
7	12.389	1396	1407	1411	rBV3	1283	4722	1.04%	0.219%
8	14.134	1683	1697	1714	rBV2	20470	72918	16.12%	3.388%
9	14.874	1802	1820	1835	rBV	61013	225868	49.95%	10.494%
10	15.710	1956	1959	1966	rVV2	1081	2323	0.51%	0.108%
11	18.140	2348	2363	2384	rBV2	103242	402078	88.91%	18.681%
12	18.952	2495	2498	2504	rBV	4264	2762	0.61%	0.128%
13	19.746	2620	2630	2640	rBV3	7967	26909	5.95%	1.250%
14	21.358	2882	2898	2922	rBB3	121319	436247	96.47%	20.268%
15	23.102	3169	3188	3202	rBV	5670	22273	4.93%	1.035%
16	23.963	3318	3331	3348	rBB	101359	345053	76.30%	16.031%
17	27.307	3874	3887	3902	rVB	134917	452211	100.00%	21.010%

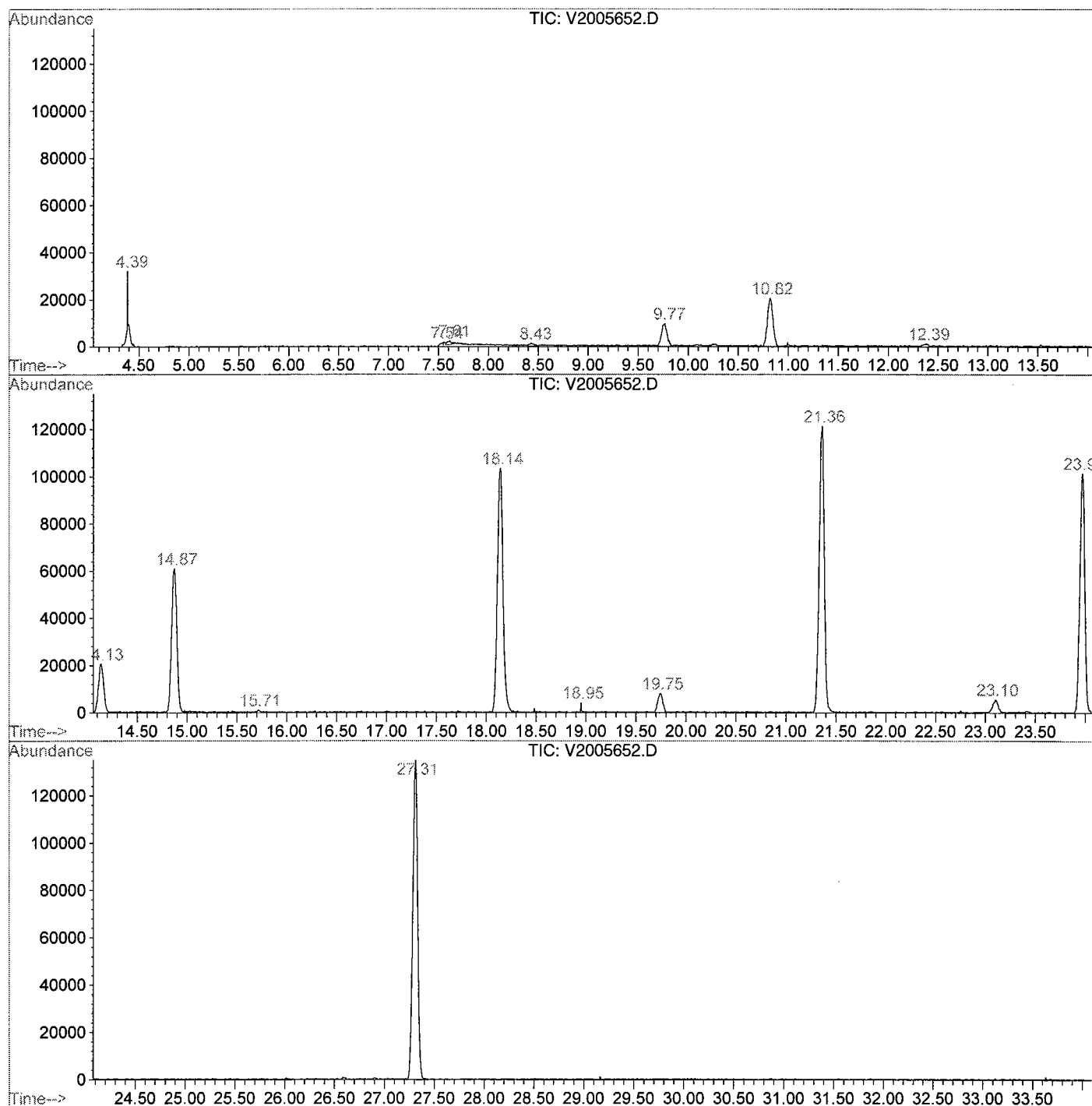
Sum of corrected areas: 2152354

V2005652.D V2C173.M Thu Aug 25 09:16:25 2005

000158

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\V2005652.D
 Operator : SS
 Acquired : 24 Aug 2005 8:43 pm using AcqMethod V2C173
 Instrument : VOA No. 2
 Sample Name: 05080545-08 \$8260W/VOATICW RE ASPB
 Misc Info : QBV2082405A
 Vial Number: 10
 Quant File :V2C173.RES (RTE Integrator)



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\V2005652.D

Vial: 10

Acq On : 24 Aug 2005 8:43 pm

Operator: SS

Sample : 05080545-08 \$8260W/VOATICW RE ASPB

Inst : VOA No. 2

Misc : QBV2082405A

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

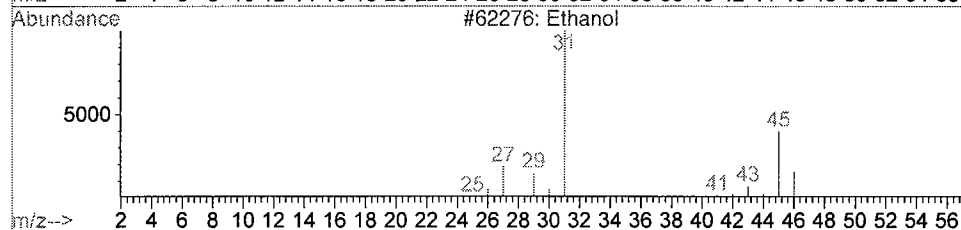
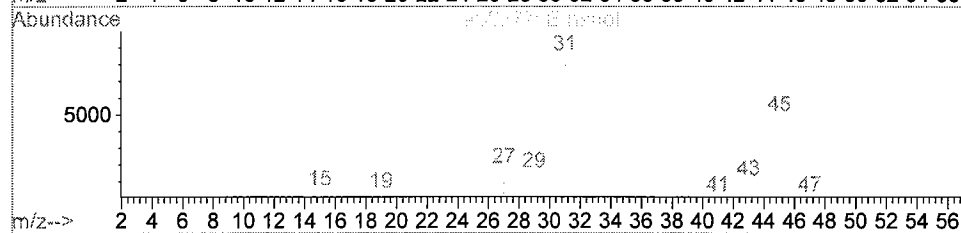
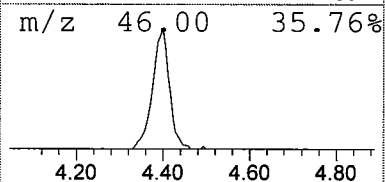
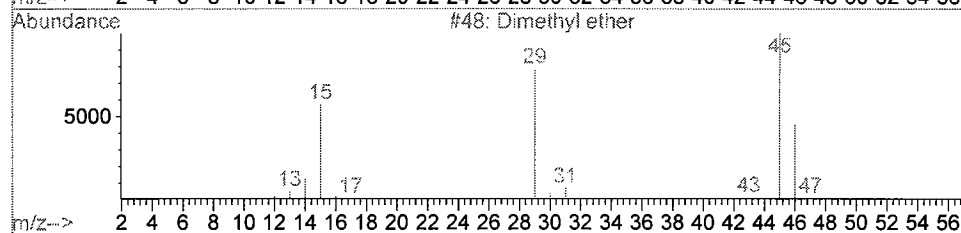
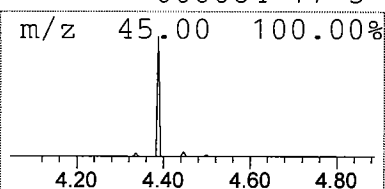
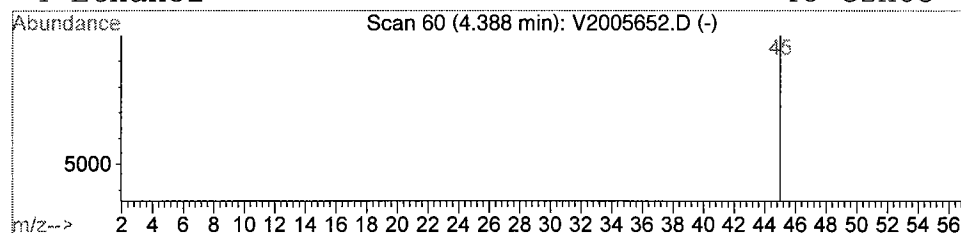
Library : C:\DATABASE\NBS75K.L

Peak Number 1 Dimethyl ether

Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.39	7.71 ppb	34846	FLUOROBENZENE(ISTD)	14.87

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dimethyl ether	46	C2H6O	000115-10-6	5
2			Ethanol	46	C2H6O	000064-17-5	4
3			Ethanol	46	C2H6O	000064-17-5	4
4			Ethanol	46	C2H6O	000064-17-5	4



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\V2005652.D

Acq On : 24 Aug 2005 8:43 pm

Sample : 05080545-08 \$8260W/VOATICW RE ASPB

Misc : QBV2082405A

MS Integration Params: RTEINT.P

Vial: 10

Operator: SS

Inst : VOA No. 2

Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

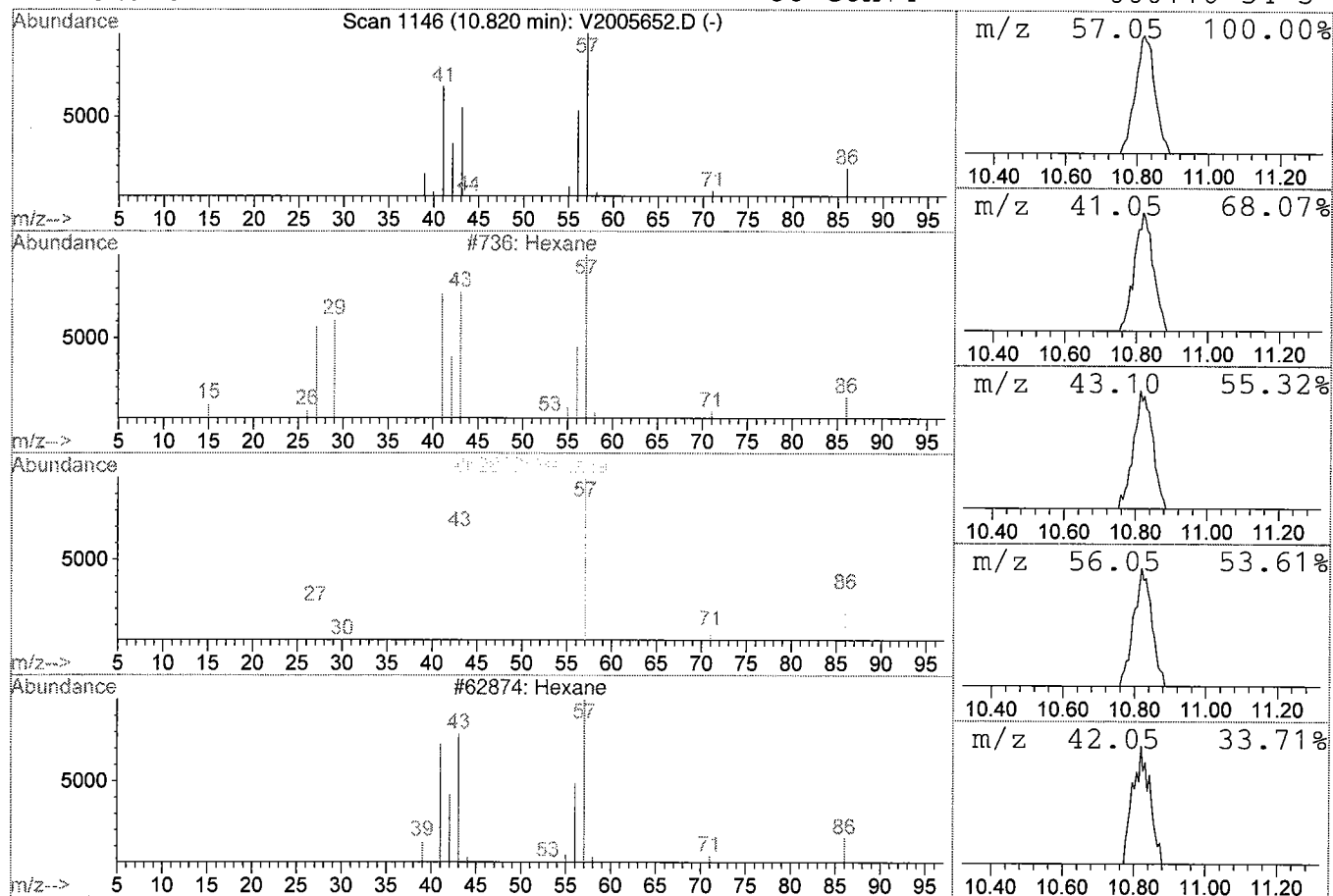
Title : VOCs BY GC/MS 8240/8260

Library : C:\DATABASE\NBS75K.L

Peak Number 2 Hexane

Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.82	16.82 ppb	75987	FLUOROBENZENE(ISTD)	14.87	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane	86	C6H14	000110-54-3	64
2	Hexane	86	C6H14	000110-54-3	64
3	Hexane	86	C6H14	000110-54-3	64
4	Hexane	86	C6H14	000110-54-3	53



Tentatively Identified Compound (LSC) summary

Operator ID: SS Date Acquired: 24 Aug 2005 8:43 pm
 Data File: C:\HPCHEM\1\DATA\V2005652.D
 Name: 05080545-08 \$8260W/VOATICW RE ASPB
 Misc: QBV2082405A
 Method: C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
 Title: VOCs BY GC/MS 8240/8260
 Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc Units	Area	IntStd	ISRT	ISArea	ISConc
Dimethyl ether	4.39	7.7 ppb	34846	ISTD01	14.87	225868	50.0
Hexane	10.82	16.8 ppb	75987	ISTD01	14.87	225868	50.0

V2005652.D V2C173.M Thu Aug 25 09:16:35 2005

Client Sample ID

WC-1 (5-10')

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

Matrix: WATER

Dilution Factor: 25.0

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

Date Collected: 8/15/05

Date Received: 8/17/05

Date Analyzed: 8/24/05

Level: LOW

Sample Type: WATER

SDG: 05080545

Lab ID: 05080545-09

Lab File ID: V2005653.D

CONCENTRATION
UNITS: ug/L

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
WC-1 (5-10')	05080545-09	Benzene	25 U
WC-1 (5-10')	05080545-09	Bromobenzene	25 U
WC-1 (5-10')	05080545-09	Bromochloromethane	25 U
WC-1 (5-10')	05080545-09	Bromodichloromethane	25 U
WC-1 (5-10')	05080545-09	Bromoform	25 U
WC-1 (5-10')	05080545-09	Bromomethane	25 U
WC-1 (5-10')	05080545-09	n-Butylbenzene	25 U
WC-1 (5-10')	05080545-09	sec-Butylbenzene	25 U
WC-1 (5-10')	05080545-09	tert-Butylbenzene	25 U
WC-1 (5-10')	05080545-09	Carbon tetrachloride	25 U
WC-1 (5-10')	05080545-09	Chlorobenzene	25 U
WC-1 (5-10')	05080545-09	Chloroethane	25 U
WC-1 (5-10')	05080545-09	Chloroform	25 U
WC-1 (5-10')	05080545-09	1-Chlorohexane	25 U
WC-1 (5-10')	05080545-09	Chloromethane	25 U
WC-1 (5-10')	05080545-09	2-Chlorotoluene	25 U
WC-1 (5-10')	05080545-09	4-Chlorotoluene	25 U
WC-1 (5-10')	05080545-09	Dibromochloromethane	25 U
WC-1 (5-10')	05080545-09	1,2-Dibromo-3-chloropropane	25 U
WC-1 (5-10')	05080545-09	1,2-Dibromoethane	25 U
WC-1 (5-10')	05080545-09	Dibromomethane	25 U
WC-1 (5-10')	05080545-09	1,2-Dichlorobenzene	25 U
WC-1 (5-10')	05080545-09	1,3-Dichlorobenzene	25 U
WC-1 (5-10')	05080545-09	1,4-Dichlorobenzene	25 U
WC-1 (5-10')	05080545-09	Dichlorodifluoromethane	25 U
WC-1 (5-10')	05080545-09	1,1-Dichloroethane	25 U
WC-1 (5-10')	05080545-09	1,2-Dichloroethane	25 U
WC-1 (5-10')	05080545-09	1,1-Dichloroethylene	25 U
WC-1 (5-10')	05080545-09	1,2-Dichloroethylene (Total)	53(cis-)
WC-1 (5-10')	05080545-09	1,2-Dichloropropane	25 U
WC-1 (5-10')	05080545-09	1,3-Dichloropropane	25 U
WC-1 (5-10')	05080545-09	2,2-Dichloropropane	25 U
WC-1 (5-10')	05080545-09	1,1-Dichloropropylene	25 U

Client Sample ID

WC-1 (5-10')

CONCENTRATION
UNITS: ug/L

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
WC-1 (5-10')	05080545-09	cis-1,3-Dichloropropylene	25 U
WC-1 (5-10')	05080545-09	trans-1,3-Dichloropropylene	25 U
WC-1 (5-10')	05080545-09	Ethylbenzene	25 U
WC-1 (5-10')	05080545-09	Hexachlorobutadiene	25 U
WC-1 (5-10')	05080545-09	Isopropylbenzene	25 U
WC-1 (5-10')	05080545-09	p-Isopropyltoluene	25 U
WC-1 (5-10')	05080545-09	Methylene chloride	120 B
WC-1 (5-10')	05080545-09	Naphthalene	25 U
WC-1 (5-10')	05080545-09	n-Propylbenzene	25 U
WC-1 (5-10')	05080545-09	Styrene	25 U
WC-1 (5-10')	05080545-09	1,1,1,2-Tetrachloroethane	25 U
WC-1 (5-10')	05080545-09	1,1,2,2-Tetrachloroethane	25 U
WC-1 (5-10')	05080545-09	Tetrachloroethylene	870
WC-1 (5-10')	05080545-09	Toluene	25 U
WC-1 (5-10')	05080545-09	1,2,3-Trichlorobenzene	25 U
WC-1 (5-10')	05080545-09	1,2,4-Trichlorobenzene	25 U
WC-1 (5-10')	05080545-09	1,1,1-Trichloroethane	110
WC-1 (5-10')	05080545-09	1,1,2-Trichloroethane	25 U
WC-1 (5-10')	05080545-09	Trichloroethylene	25 U
WC-1 (5-10')	05080545-09	Trichlorofluoromethane	25 U
WC-1 (5-10')	05080545-09	1,2,3-Trichloropropane	25 U
WC-1 (5-10')	05080545-09	1,2,3-Trimethylbenzene	25 U
WC-1 (5-10')	05080545-09	1,2,4-Trimethylbenzene	25 U
WC-1 (5-10')	05080545-09	1,3,5-Trimethylbenzene	25 U
WC-1 (5-10')	05080545-09	Vinyl chloride	25 U
WC-1 (5-10')	05080545-09	o-Xylene	25 U
WC-1 (5-10')	05080545-09	p- & m-Xylenes	25 U
WC-1 (5-10')	05080545-09	MTBE	25 U

Form 1-VOA

Data File : C:\HPCHEM\1\DATA\V2005653.D Vial: 11
Acq On : 24 Aug 2005 9:25 pm Operator: SS
Sample : 05080545-09 \$8260W/VOATICW RE 2ML/50ML A Inst : VOA No. 2
Misc : QBV2082405A Multiplr: 25.00
MS Integration Params: rteint.p
Quant Time: Oct 4 12:00 19105 Quant Results File: V2C173.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
Title : VOCs BY GC/MS 8240/8260
Last Update : Thu Aug 18 08:08:33 2005
Response via : Initial Calibration
DataAcq Meth : V2C173

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.87	70	23931	50.00	ppb	-0.02
25) CHLOROBENZENE-d5(ISTD)	21.36	117	169494	50.00	ppb	0.00
47) 1,2-DICHLOROBENZENE-d4(IST	27.31	152	82345	50.00	ppb	0.00

System Monitoring Compounds

21) d4-1,2-Dichloroethane(SURR	14.13	65	26058	47.84	ppb	-0.02
Spiked Amount	50.000	Range	37 - 128	Recovery	=	95.68%
32) Toluene-d8(SURR)	18.13	98	142832	47.90	ppb	-0.01
Spiked Amount	50.000	Range	40 - 61	Recovery	=	95.80%#
49) p-Bromofluorobenzene(SURR)	23.96	174	69763	49.46	ppb	-0.01
Spiked Amount	50.000	Range	39 - 68	Recovery	=	98.92%#

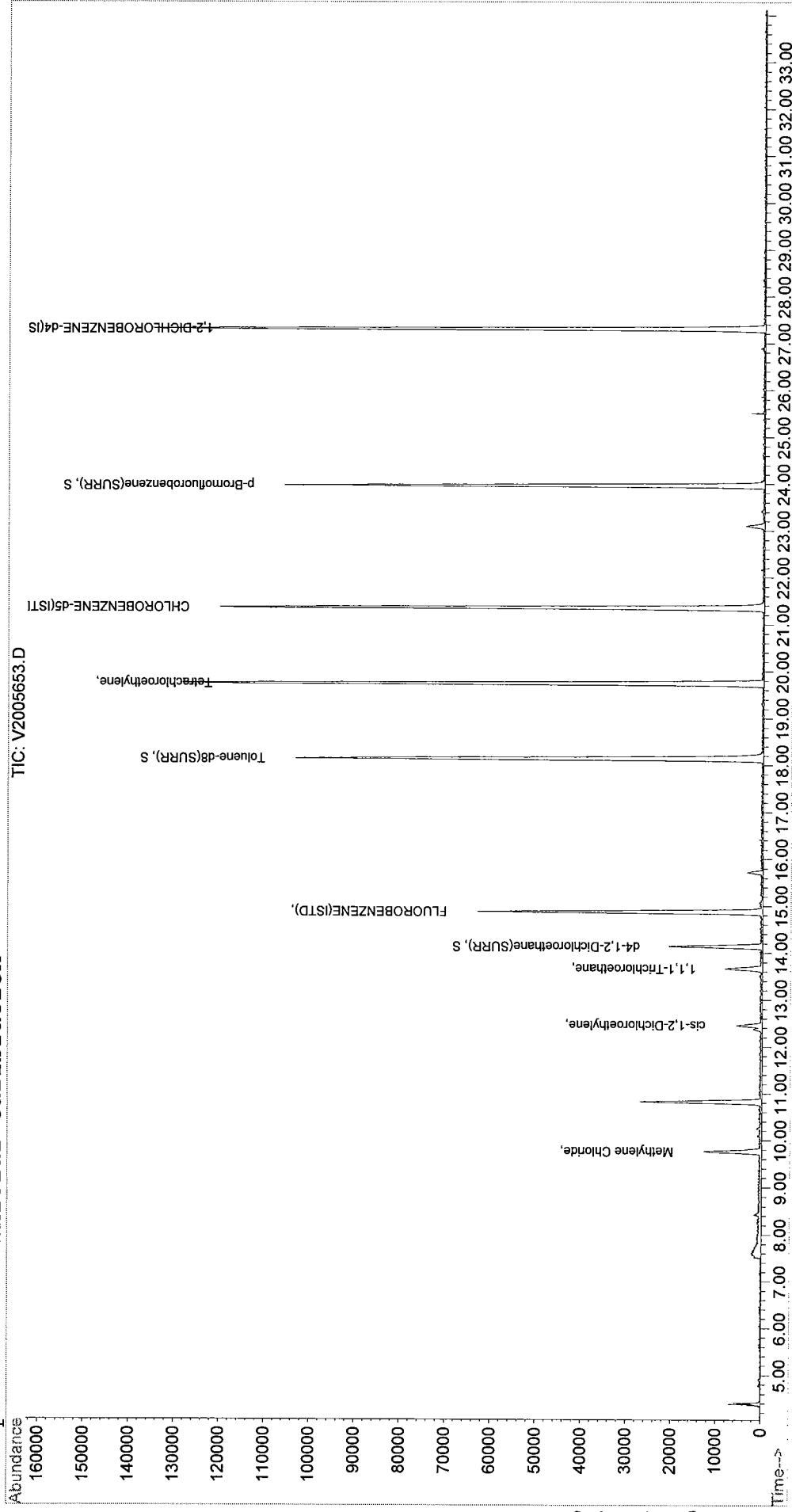
Target Compounds

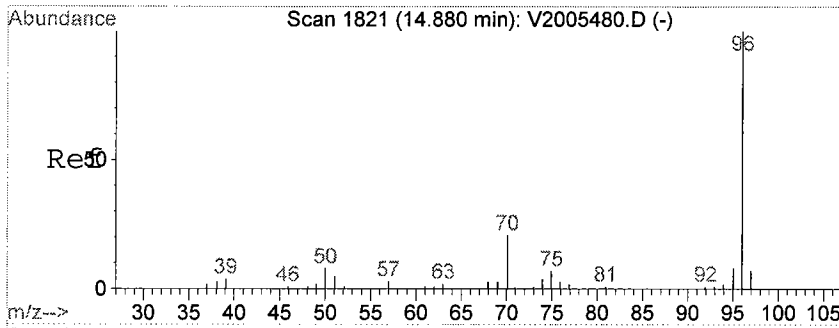
						Qvalue
11) Methylene Chloride	9.77	49	15229	116.71	ppb	# 100
15) cis-1,2-Dichloroethylene	12.45	96	5247	52.49	ppb	# 33
19) 1,1,1-Trichloroethane	13.67	97	12146	104.75	ppb	# 96
37) Tetrachloroethylene	19.75	166	93200	874.38	ppb	# 64

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

DATA: DataFile : C:\HPCHEM\1\DATA\V2005653.D Vial: 11
Acq On : 24 Aug 2005 9:25 pm Operator: SS
Sample : 05080545-09 \$8260W/VOATICW RE 2ML/50ML A Inst : VOA No. 2
Misc : QBV2082405A Multiplr: 25.00
MS Integration Params: rteint.p
Quant Time: Oct 4 12:00 19105 Quant Results File: V2C173.RES

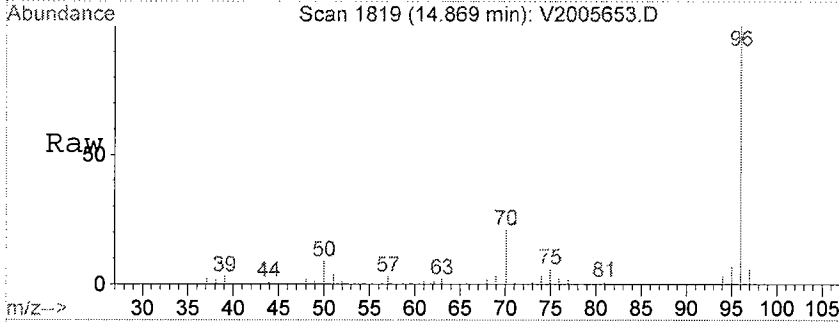
Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
Title : VOCs BY GC/MS 8240/8260
Last Update : Thu Aug 18 08:08:33 2005
Response via : Initial Calibration



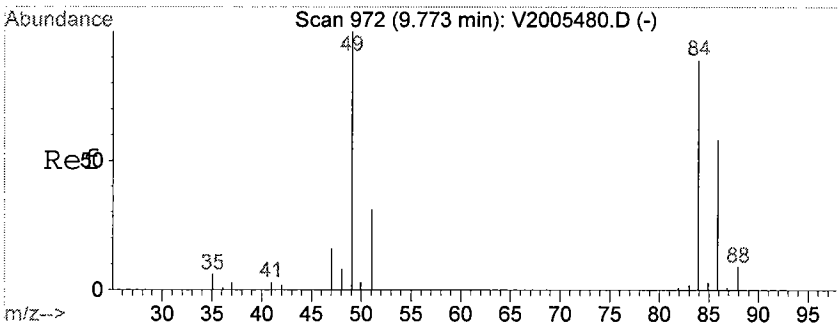
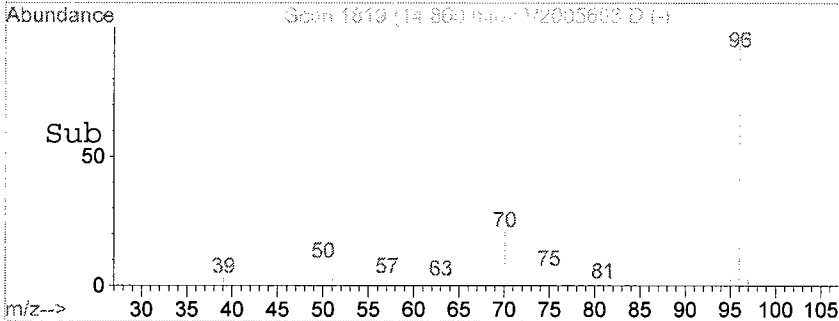
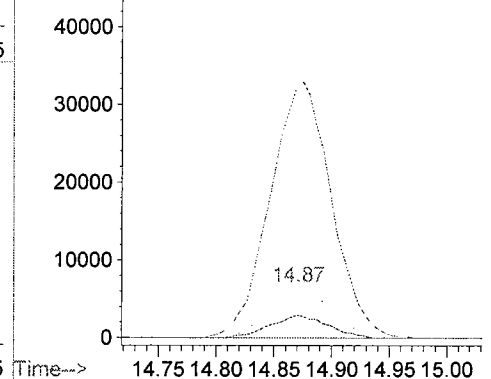


#1
 FLUOROBENZENE (ISTD)
 Concen: 50.00 ppb
 RT: 14.87 min Scan# 1819
 Delta R.T. -0.02 min
 Lab File: V2005653.D
 Acq: 24 Aug 2005 9:25 pm

Tgt Ion: 70 Resp: 23931
 Ion Ratio Lower Upper
 70 100
 96 505.7 404.2 606.2
 70 100.0 80.0 120.0
 50 0.0 34.5 51.7#

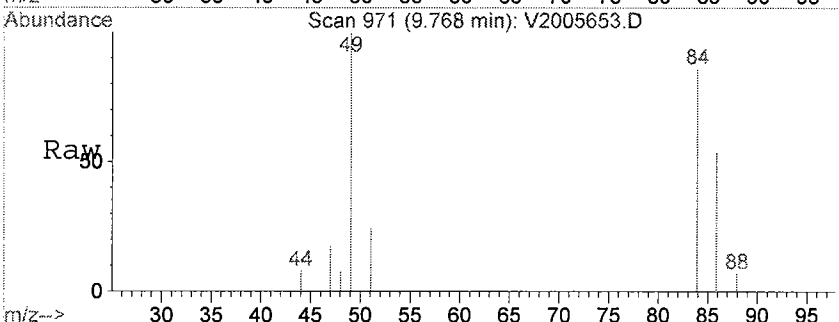


Abundance Ion 70.00 (69.70 to 70.70): V2005653.
 Ion 96.00 (95.70 to 96.70): V2005653.
 Ion 70.00 (69.70 to 70.70): V2005653.
 Ion 50.00 (49.70 to 50.70): V2005653.

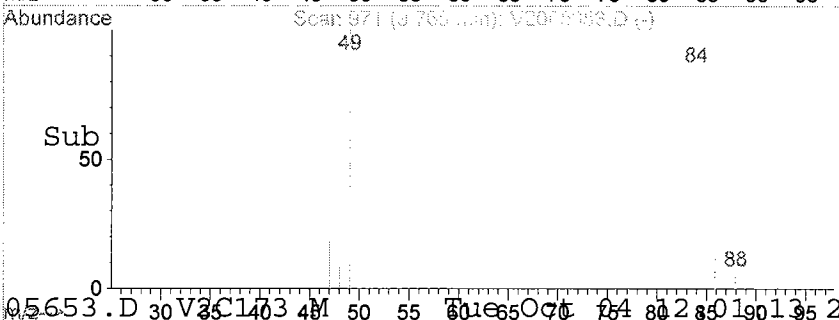
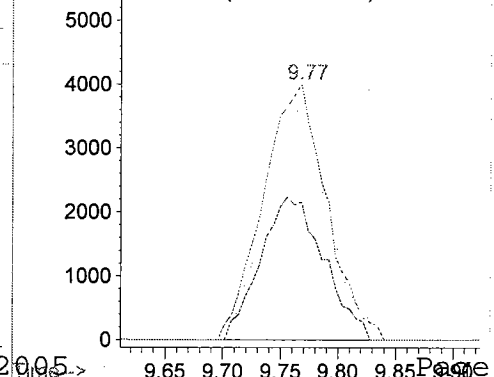


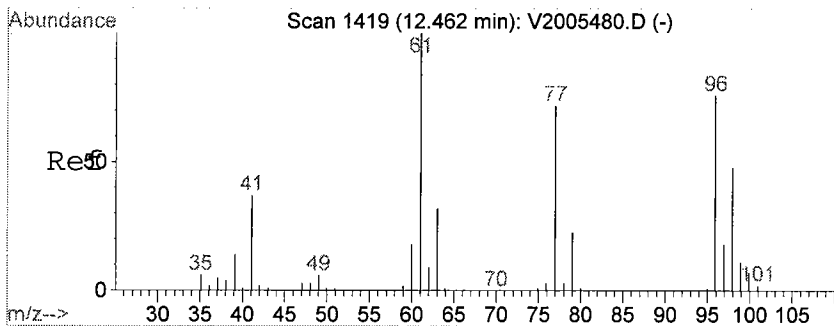
#11
 Methylene Chloride
 Concen: 116.71 ppb
 RT: 9.77 min Scan# 971
 Delta R.T. 0.00 min
 Lab File: V2005653.D
 Acq: 24 Aug 2005 9:25 pm

Tgt Ion: 49 Resp: 15229
 Ion Ratio Lower Upper
 49 100
 49 100.0 80.0 120.0
 84 89.1 71.8 107.8
 86 56.3 0.0 0.0#



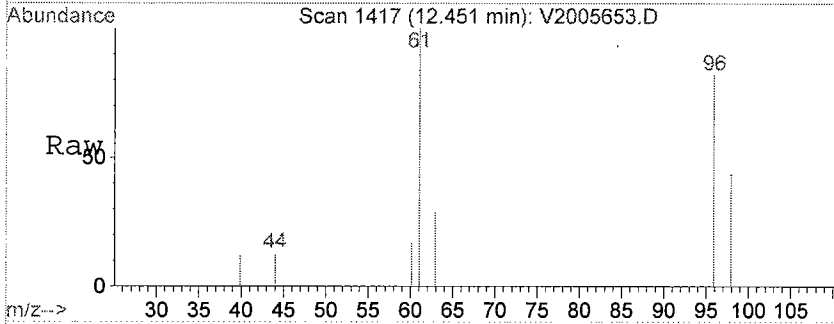
Abundance Ion 48.95 (48.65 to 49.65): V2005653.
 Ion 48.95 (48.65 to 49.65): V2005653.
 Ion 87.87 (86.65 to 89.05): V2005653.
 Ion 85.90 (85.60 to 86.60): V2005653.





#15
 cis-1,2-Dichloroethylene
 Concen: 52.49 ppb
 RT: 12.45 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: V2005653.D
 Acq: 24 Aug 2005 9:25 pm

Tgt Ion	Ratio	Lower	Upper
96	100		
96	100.0	80.0	120.0
98	0.0	0.0	0.0
61	0.0	111.0	166.4#



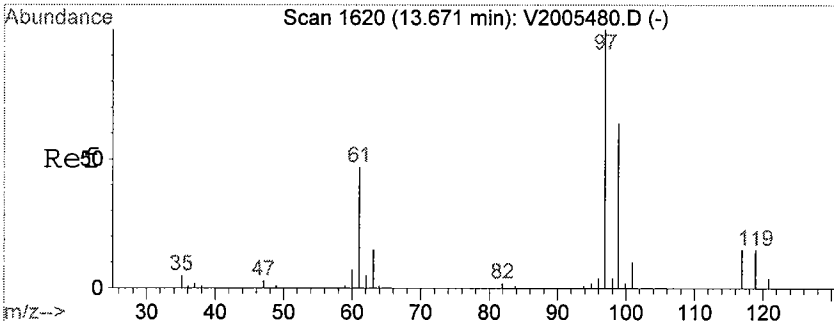
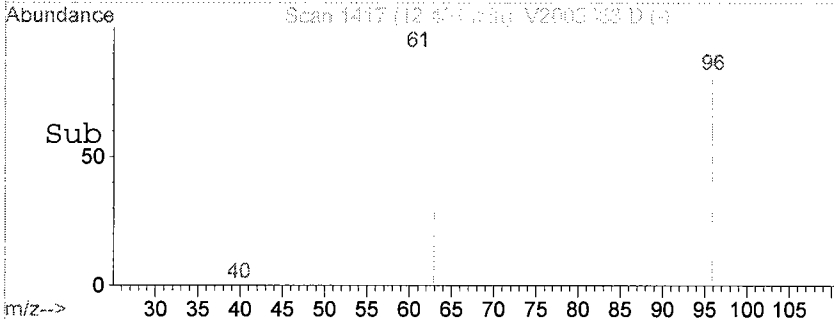
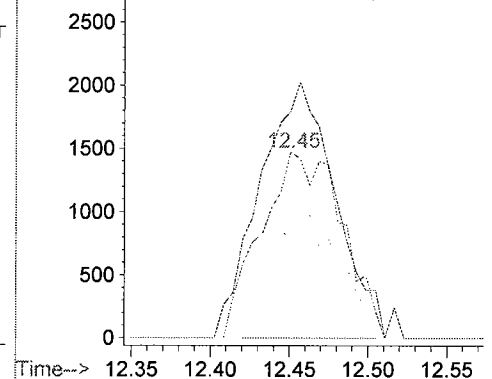
Abundance

Ion 95.95 (95.65 to 96.65): V2005653.

Ion 95.95 (95.65 to 96.65): V2005653.

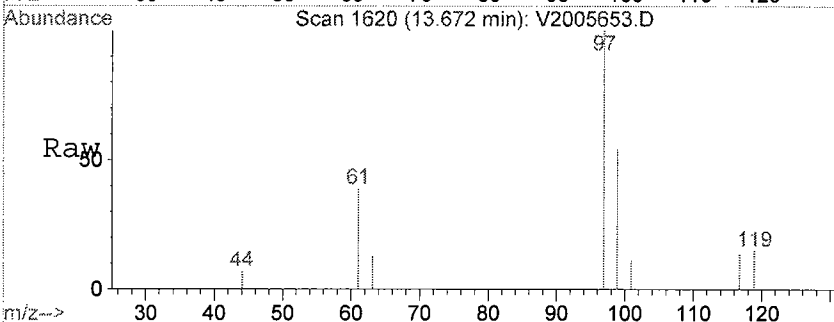
Ion 95.95 (95.65 to 96.65): V2005653.

Ion 61.00 (60.70 to 61.70): V2005653.



#19
 1,1,1-Trichloroethane
 Concen: 104.75 ppb
 RT: 13.67 min Scan# 1620
 Delta R.T. -0.01 min
 Lab File: V2005653.D
 Acq: 24 Aug 2005 9:25 pm

Tgt Ion	Ratio	Lower	Upper
97	100		
97	100.0	80.0	120.0
99	59.3	52.3	78.5
117	11.6	12.4	18.6#



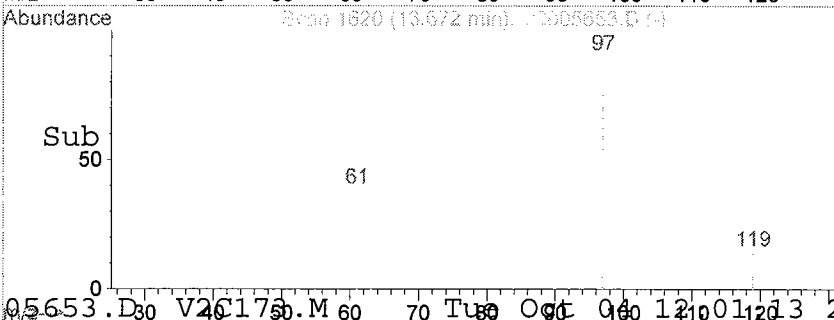
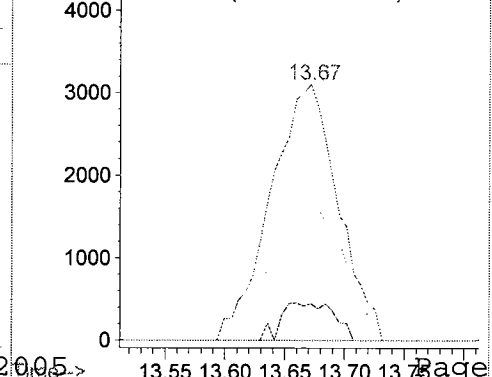
Abundance

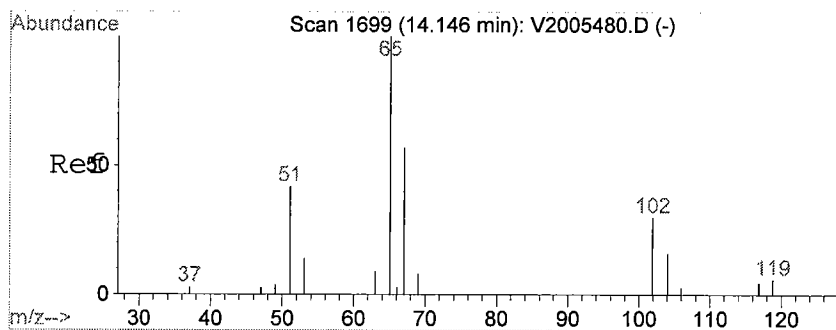
Ion 96.95 (96.65 to 97.65): V2005653.

Ion 96.95 (96.65 to 97.65): V2005653.

Ion 96.95 (96.65 to 97.65): V2005653.

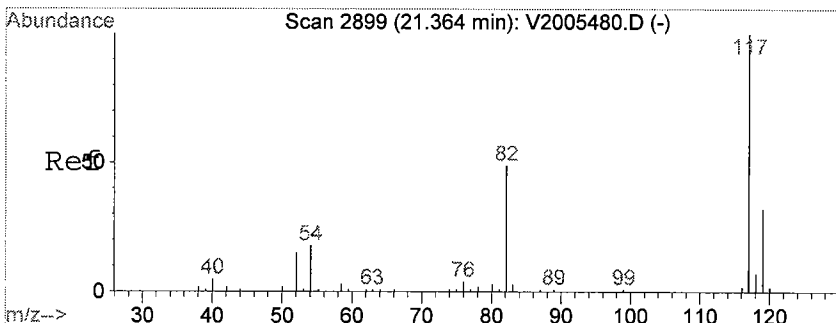
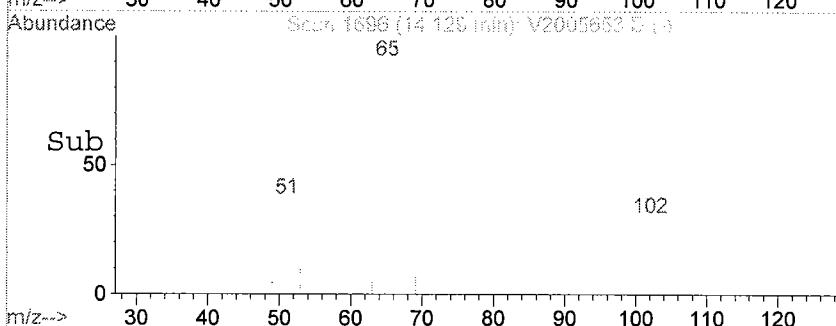
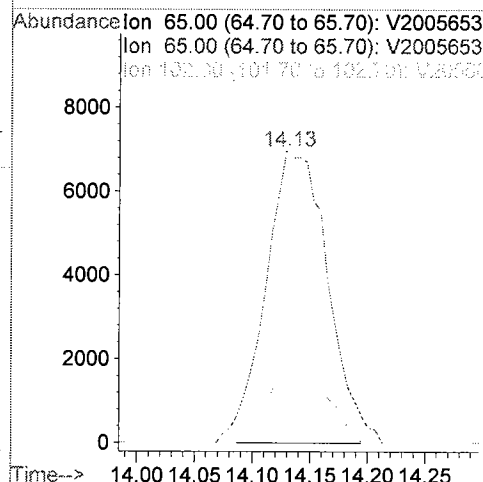
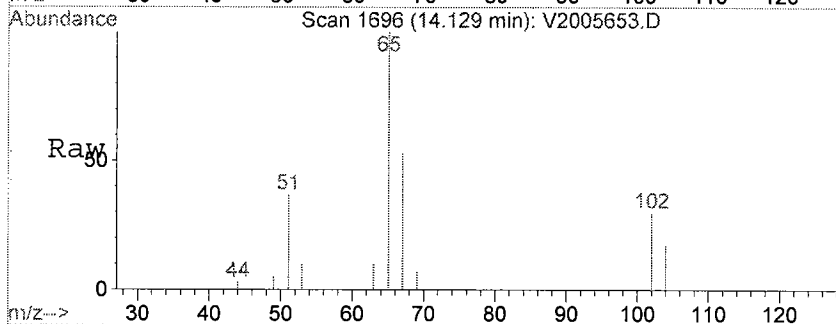
Ion 117.00 (116.70 to 117.70): V2005653.





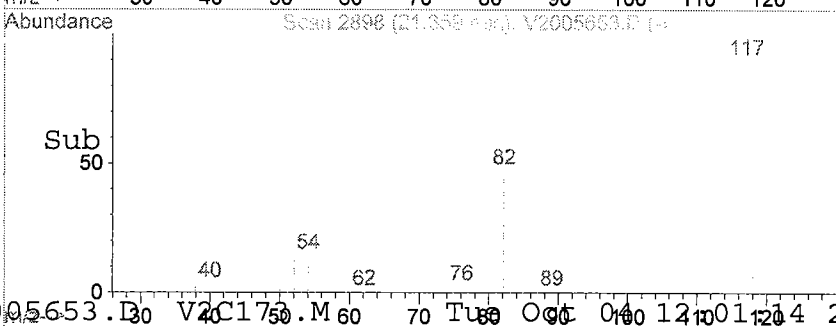
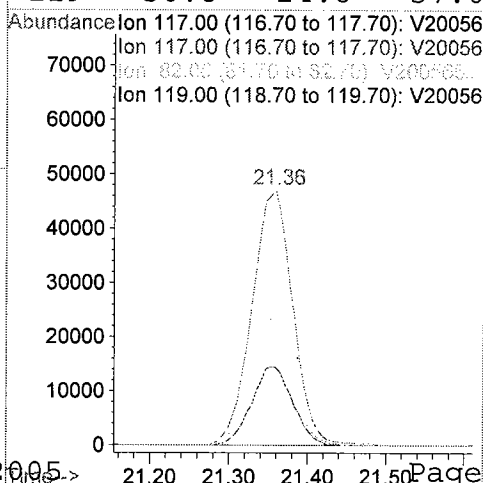
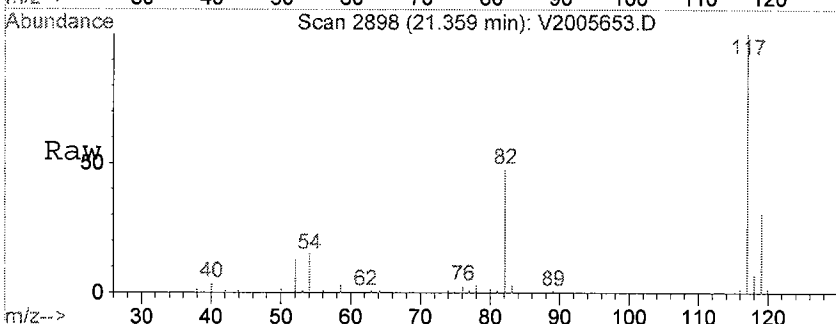
#21
d4-1,2-Dichloroethane (SURR)
Concen: 47.84 ppb
RT: 14.13 min Scan# 1696
Delta R.T. -0.02 min
Lab File: V2005653.D
Acq: 24 Aug 2005 9:25 pm

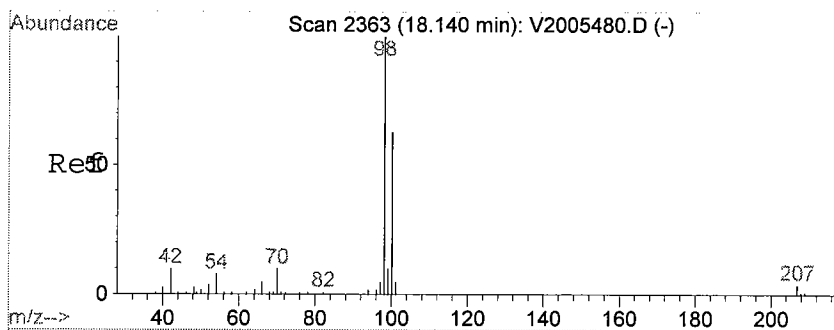
Tgt Ion: 65 Resp: 26058
Ion Ratio Lower Upper
65 100
65 100.0 80.0 120.0
102 28.2 21.4 32.2



#25
CHLOROBENZENE-d5 (ISTD)
Concen: 50.00 ppb
RT: 21.36 min Scan# 2898
Delta R.T. -0.00 min
Lab File: V2005653.D
Acq: 24 Aug 2005 9:25 pm

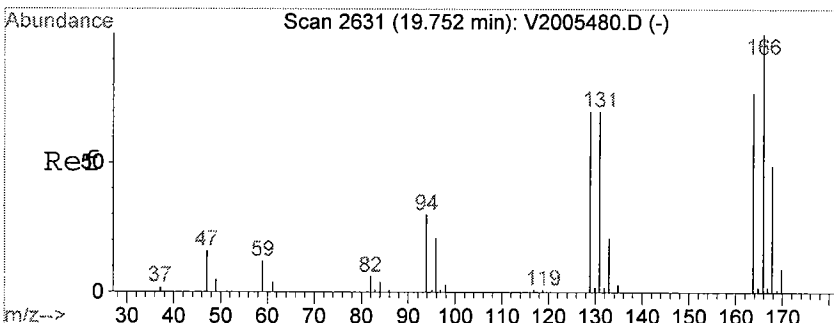
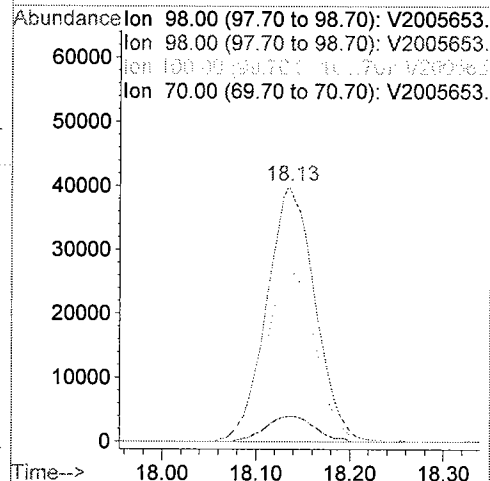
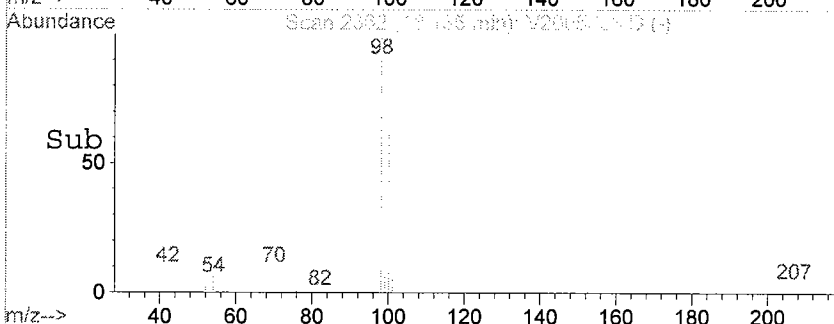
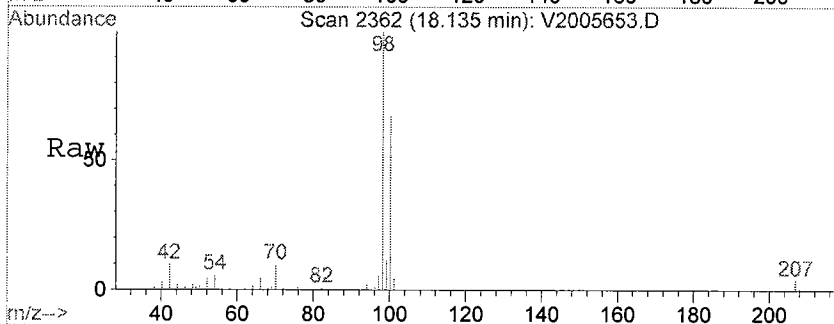
Tgt Ion: 117 Resp: 169494
Ion Ratio Lower Upper
117 100
117 100.0 80.0 120.0
82 48.6 0.0 0.0#
119 30.8 24.6 37.0





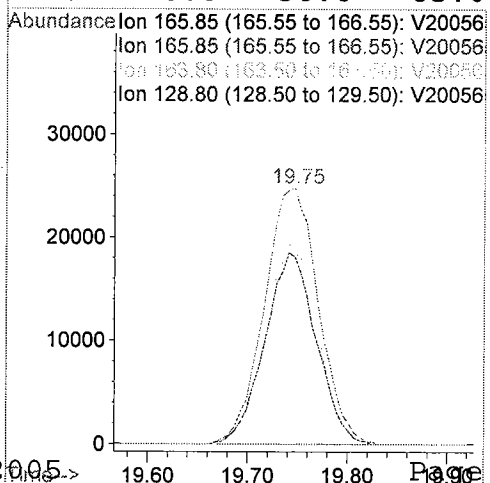
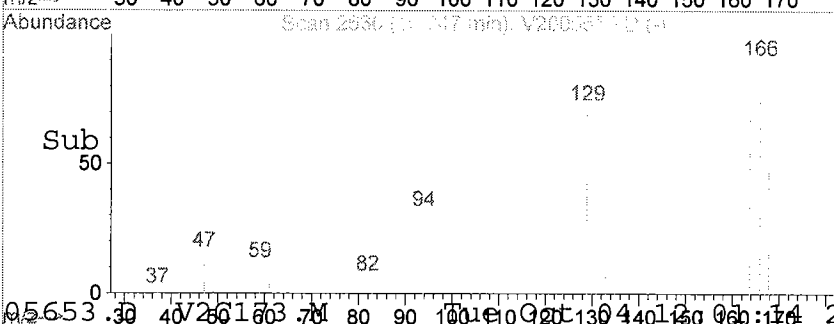
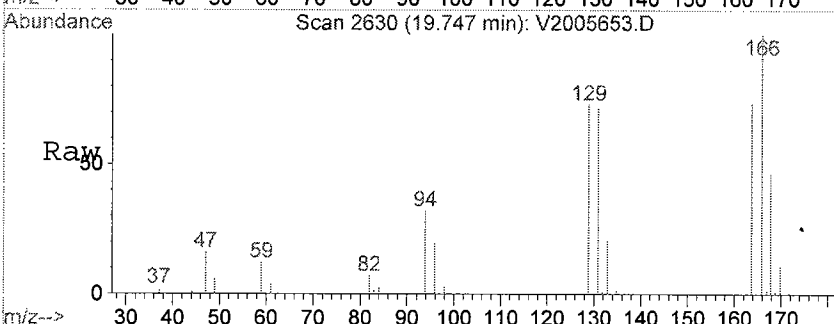
#32
Toluene-d8 (SURR)
Concen: 47.90 ppb
RT: 18.13 min Scan# 2362
Delta R.T. -0.01 min
Lab File: V2005653.D
Acq: 24 Aug 2005 9:25 pm

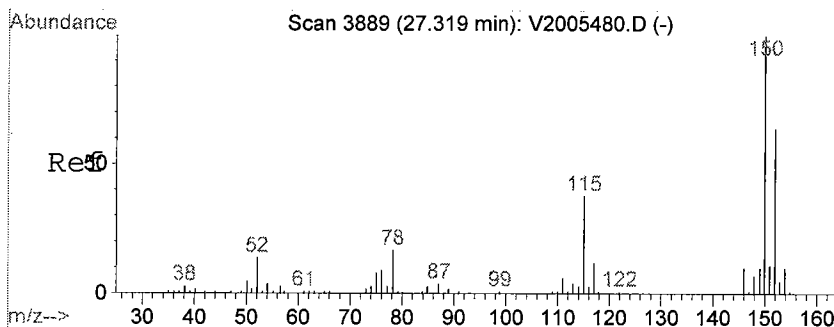
Tgt Ion: 98 Resp: 142832
Ion Ratio Lower Upper
98 100
98 100.0 80.0 120.0
100 67.6 53.7 80.5
70 0.0 8.0 12.0#



#37
Tetrachloroethylene
Concen: 874.38 ppb
RT: 19.75 min Scan# 2630
Delta R.T. -0.01 min
Lab File: V2005653.D
Acq: 24 Aug 2005 9:25 pm

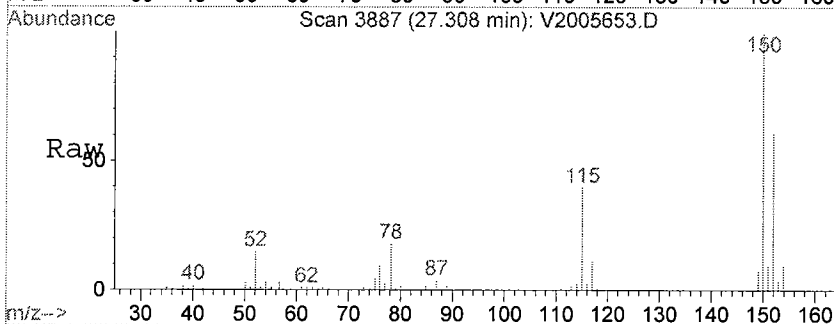
Tgt Ion: 166 Resp: 93200
Ion Ratio Lower Upper
166 100
166 100.0 80.0 120.0
164 0.0 0.0 0.0
129 0.0 56.6 85.0#



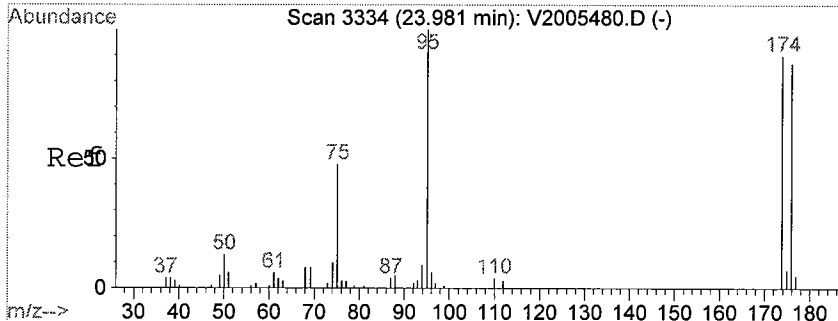
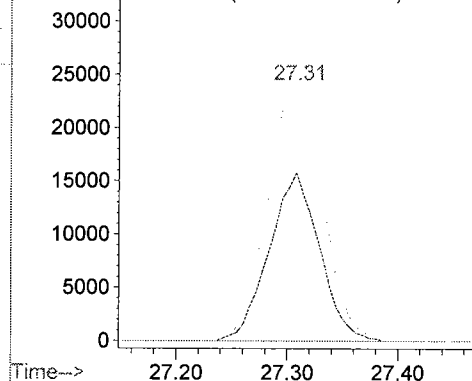
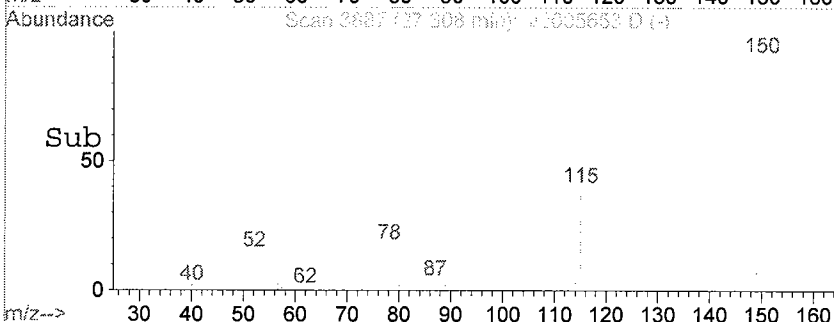


#47
 1,2-DICHLOROBENZENE-d4 (ISTD)
 Concen: 50.00 ppb
 RT: 27.31 min Scan# 3887
 Delta R.T. -0.01 min
 Lab File: V2005653.D
 Acq: 24 Aug 2005 9:25 pm

Tgt Ion:152 Resp: 82345
 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

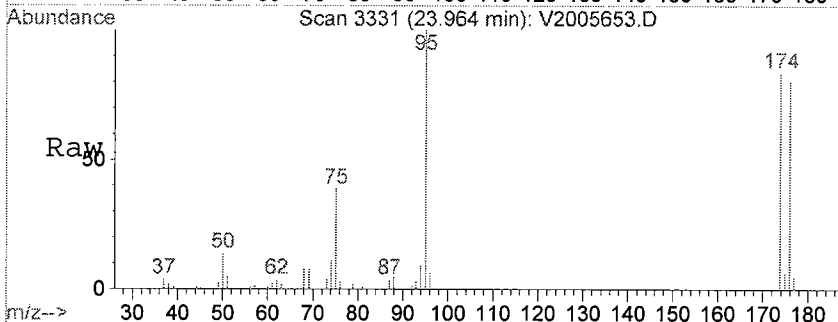


Abundance Ion 152.00 (151.70 to 152.70): V20056
 Ion 152.00 (151.70 to 152.70): V20056
 Ion 152.00 (151.70 to 152.70): V20056
 Ion 115.00 (114.70 to 115.70): V20056

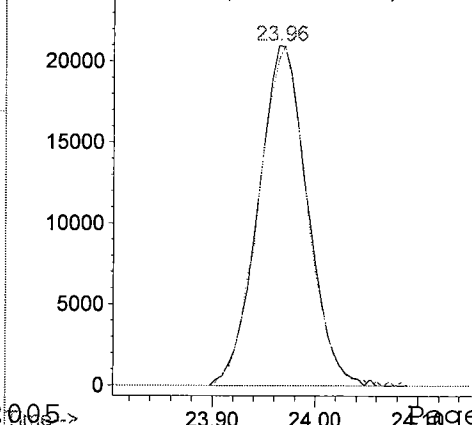
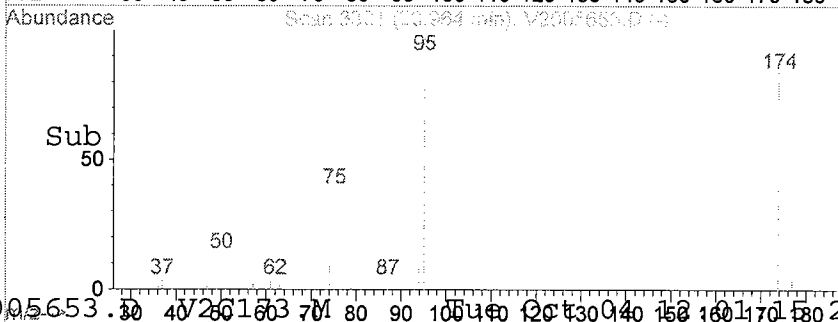


#49
 p-Bromofluorobenzene (SURR)
 Concen: 49.46 ppb
 RT: 23.96 min Scan# 3331
 Delta R.T. -0.01 min
 Lab File: V2005653.D
 Acq: 24 Aug 2005 9:25 pm

Tgt Ion:174 Resp: 69763
 Ion Ratio Lower Upper
 174 100
 176 98.1 75.6 113.4



Abundance Ion 174.00 (173.70 to 174.70): V20056
 Ion 176.00 (175.70 to 176.70): V20056



Client Sample ID

WC-1 (5-10')

Sample Amount: SOIL=1.0g/WATER=5.0ml

Date Collected: 8/15/05

Sample Type: **WATER**

Matrix: WATER

Date Received: 8/17/05

Dilution Factor:	25.00
------------------	-------

Date Analyzed: 8/24/05

SDG: 05080545-09

Level: LOW

Lab ID: 05080545-09

Lab File ID: V2005653.D

CONCENTRATION
UNITS: ug/L DRY

[illegible]

Form 1-VOA

000172

LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\V2005653.D Vial: 11
Acq On : 24 Aug 2005 9:25 pm Operator: SS
Sample : 05080545-09 \$8260W/VOATICW RE 2ML/50ML A Inst : VOA No. 2
Misc : QBV2082405A Multiplr: 25.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
Title : VOCs BY GC/MS 8240/8260
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.5 % of largest Peak
Start Thrs: 0.001 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	4.383	57	59	62	rVV	6843	4962	1.05%	0.186%
2	4.407	62	63	72	rVB	5929	3191	0.67%	0.120%
3	7.566	599	605	607	rVV	2035	4350	0.92%	0.163%
4	7.602	607	611	617	rVV2	2051	6057	1.28%	0.227%
5	7.675	621	623	630	rVV	1561	3740	0.79%	0.140%
6	7.729	630	632	639	rVV	1138	2585	0.55%	0.097%
7	9.762	958	970	986	rVB4	12460	47688	10.06%	1.790%
8	10.826	1131	1147	1160	rBV2	26807	99199	20.93%	3.724%
9	12.384	1391	1406	1409	rBV2	1990	6322	1.33%	0.237%
10	12.457	1409	1418	1430	rVB4	5479	19211	4.05%	0.721%
11	13.660	1605	1618	1633	rBV4	8376	33388	7.04%	1.253%
12	14.141	1683	1698	1713	rVV3	20829	76077	16.05%	2.856%
13	14.875	1804	1820	1838	rBV	62730	225571	47.59%	8.467%
14	15.717	1951	1960	1971	rVB4	3499	11419	2.41%	0.429%
15	18.135	2346	2362	2381	rVV2	103318	394114	83.15%	14.794%
16	19.741	2614	2629	2647	rVV3	128747	473972	100.00%	17.791%
17	21.359	2883	2898	2916	rVV2	120034	431062	90.95%	16.181%
18	23.103	3172	3188	3201	rBB2	4263	16556	3.49%	0.621%
19	23.964	3319	3331	3348	rBV2	105994	348378	73.50%	13.077%
20	27.308	3874	3887	3907	rBV2	135389	456235	96.26%	17.125%

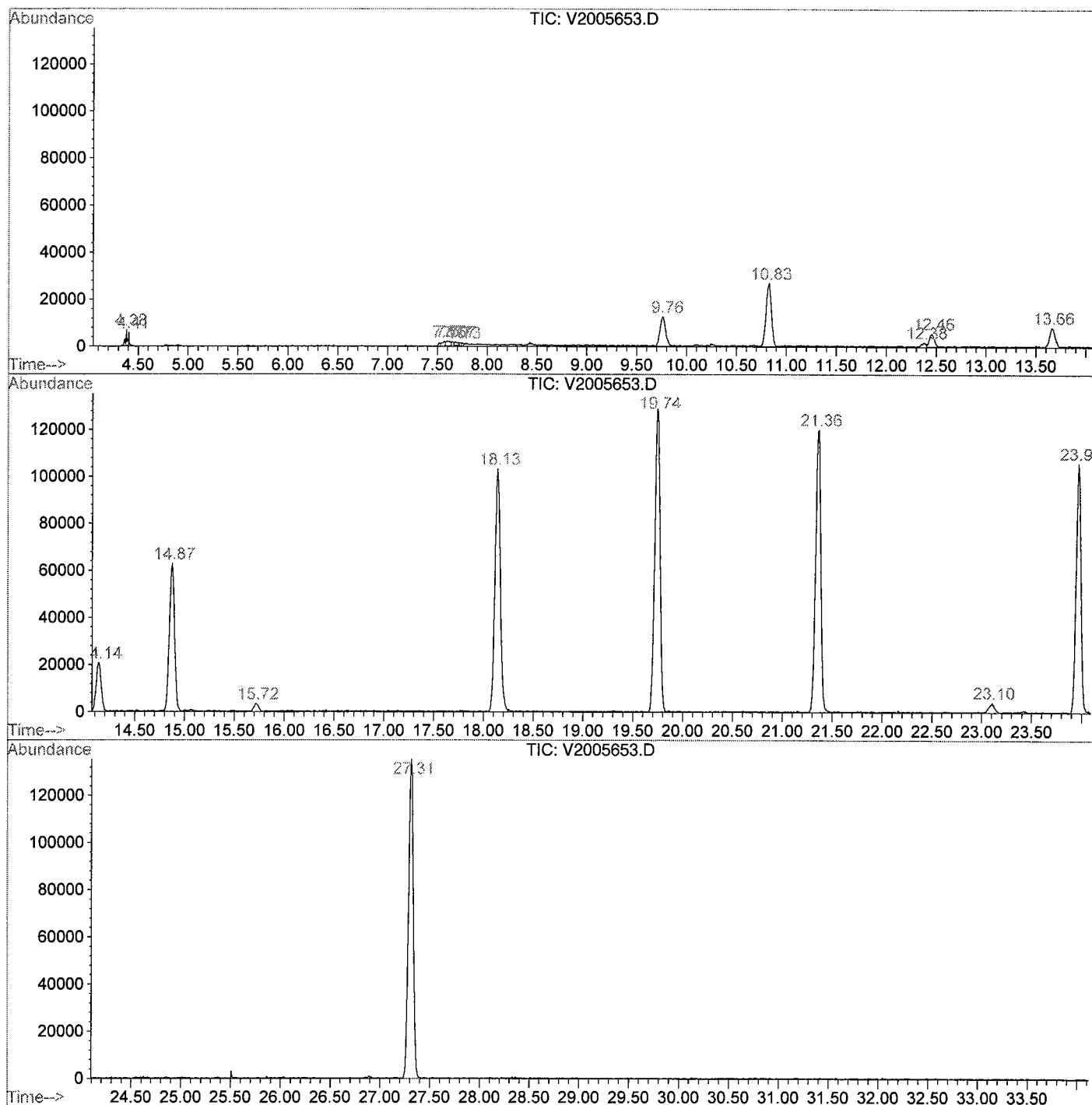
Sum of corrected areas: 2664077

V2005653.D V2C173.M Thu Aug 25 09:22:59 2005

000173

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\V2005653.D
 Operator : SS
 Acquired : 24 Aug 2005 9:25 pm using AcqMethod V2C173
 Instrument : VOA No. 2
 Sample Name: 05080545-09 \$8260W/VOATICW RE 2ML/50ML A
 Misc Info : QBV2082405A
 Vial Number: 11
 Quant File :V2C173.RES (RTE Integrator)



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\V2005653.D Vial: 11
Acq On : 24 Aug 2005 9:25 pm Operator: SS
Sample : 05080545-09 \$8260W/VOATICW RE 2ML/50ML A Inst : VOA No. 2
Misc : QBV2082405A Multiplr: 25.00
MS Integration Params: RTEINT.P

Quant Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

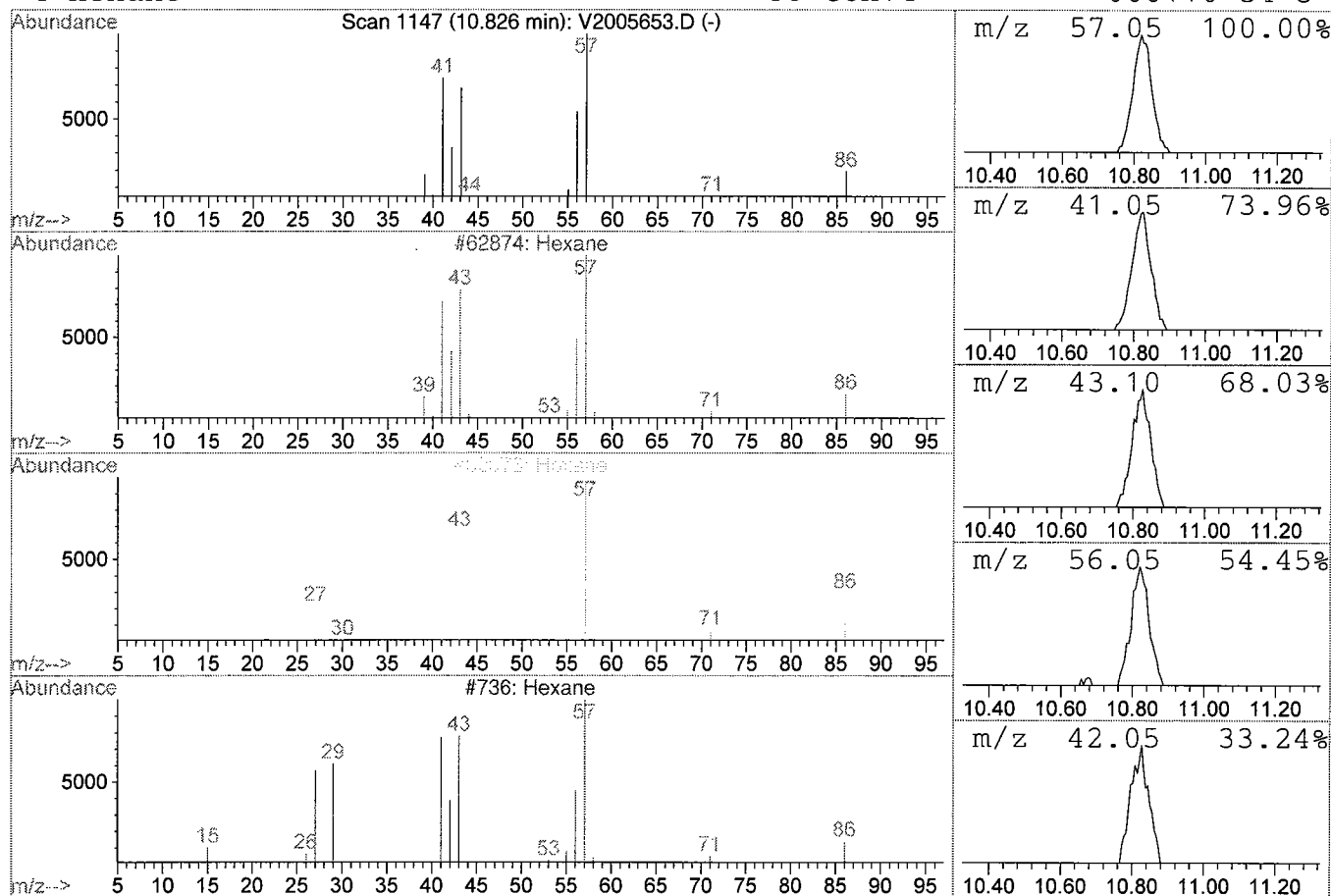
Title : VOCs BY GC/MS 8240/8260

Library : C:\DATABASE\NBS75K.L

Peak Number 1 Hexane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.83	549.71 ppb	99199	FLUOROBENZENE (ISTD)	14.87

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane			86	C6H14	000110-54-3	90
2	Hexane			86	C6H14	000110-54-3	72
3	Hexane			86	C6H14	000110-54-3	56
4	Hexane			86	C6H14	000110-54-3	50



Tentatively Identified Compound (LSC) summary

Operator ID: SS Date Acquired: 24 Aug 2005 9:25 pm
 Data File: C:\HPCHEM\1\DATA\V2005653.D
 Name: 05080545-09 \$8260W/VOATICW RE 2ML/50ML ASPB
 Misc: QBV2082405A
 Method: C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
 Title: VOCs BY GC/MS 8240/8260
 Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Hexane	10.83	549.7	ppb	99199	ISTD01	14.87	225571	50.0

V2005653.D V2C173.M Thu Aug 25 09:23:06 2005

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

Date Collected: 8/15/05

Sample Type: WATER

Matrix: WATER

Date Received: 8/17/05

SDG: 05080545

Dilution Factor: 1.0

Date Analyzed: 8/24/05

Lab ID: 05080545-10

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

Level: LOW

Lab File ID: V2005654.D

CONCENTRATION
UNITS: ug/L

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
WC-1 (20-25')	05080545-10	Benzene	1 U
WC-1 (20-25')	05080545-10	Bromobenzene	1 U
WC-1 (20-25')	05080545-10	Bromochloromethane	1 U
WC-1 (20-25')	05080545-10	Bromodichloromethane	1 U
WC-1 (20-25')	05080545-10	Bromoform	1 U
WC-1 (20-25')	05080545-10	Bromomethane	1 U
WC-1 (20-25')	05080545-10	n-Butylbenzene	1 U
WC-1 (20-25')	05080545-10	sec-Butylbenzene	1 U
WC-1 (20-25')	05080545-10	tert-Butylbenzene	1 U
WC-1 (20-25')	05080545-10	Carbon tetrachloride	1 U
WC-1 (20-25')	05080545-10	Chlorobenzene	1
WC-1 (20-25')	05080545-10	Chloroethane	1 U
WC-1 (20-25')	05080545-10	Chloroform	1 U
WC-1 (20-25')	05080545-10	1-Chlorohexane	1 U
WC-1 (20-25')	05080545-10	Chloromethane	1 U
WC-1 (20-25')	05080545-10	2-Chlorotoluene	1 U
WC-1 (20-25')	05080545-10	4-Chlorotoluene	1 U
WC-1 (20-25')	05080545-10	Dibromochloromethane	1 U
WC-1 (20-25')	05080545-10	1,2-Dibromo-3-chloropropane	1 U
WC-1 (20-25')	05080545-10	1,2-Dibromoethane	1 U
WC-1 (20-25')	05080545-10	Dibromomethane	1 U
WC-1 (20-25')	05080545-10	1,2-Dichlorobenzene	1 U
WC-1 (20-25')	05080545-10	1,3-Dichlorobenzene	1 U
WC-1 (20-25')	05080545-10	1,4-Dichlorobenzene	1 U
WC-1 (20-25')	05080545-10	Dichlorodifluoromethane	1 U
WC-1 (20-25')	05080545-10	1,1-Dichloroethane	1 U
WC-1 (20-25')	05080545-10	1,2-Dichloroethane	1 U
WC-1 (20-25')	05080545-10	1,1-Dichloroethylene	1 U
WC-1 (20-25')	05080545-10	1,2-Dichloroethylene (Total)	1 U
WC-1 (20-25')	05080545-10	1,2-Dichloropropane	1 U
WC-1 (20-25')	05080545-10	1,3-Dichloropropane	1 U
WC-1 (20-25')	05080545-10	2,2-Dichloropropane	1 U
WC-1 (20-25')	05080545-10	1,1-Dichloropropylene	1 U

Client Sample ID

WC-1 (20-25')

CONCENTRATION
UNITS: ug/L

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
WC-1 (20-25')	05080545-10	cis-1,3-Dichloropropylene	1 U
WC-1 (20-25')	05080545-10	trans-1,3-Dichloropropylene	1 U
WC-1 (20-25')	05080545-10	Ethylbenzene	1 U
WC-1 (20-25')	05080545-10	Hexachlorobutadiene	1 U
WC-1 (20-25')	05080545-10	Isopropylbenzene	1 U
WC-1 (20-25')	05080545-10	p-Isopropyltoluene	1 U
WC-1 (20-25')	05080545-10	Methylene chloride	4 B
WC-1 (20-25')	05080545-10	Naphthalene	1 U
WC-1 (20-25')	05080545-10	n-Propylbenzene	1 U
WC-1 (20-25')	05080545-10	Styrene	1 U
WC-1 (20-25')	05080545-10	1,1,1,2-Tetrachloroethane	1 U
WC-1 (20-25')	05080545-10	1,1,2,2-Tetrachloroethane	1 U
WC-1 (20-25')	05080545-10	Tetrachloroethylene	8
WC-1 (20-25')	05080545-10	Toluene	1 U
WC-1 (20-25')	05080545-10	1,2,3-Trichlorobenzene	1 U
WC-1 (20-25')	05080545-10	1,2,4-Trichlorobenzene	1 U
WC-1 (20-25')	05080545-10	1,1,1-Trichloroethane	1 U
WC-1 (20-25')	05080545-10	1,1,2-Trichloroethane	1 U
WC-1 (20-25')	05080545-10	Trichloroethylene	1 U
WC-1 (20-25')	05080545-10	Trichlorofluoromethane	1 U
WC-1 (20-25')	05080545-10	1,2,3-Trichloropropane	1 U
WC-1 (20-25')	05080545-10	1,2,3-Trimethylbenzene	1 U
WC-1 (20-25')	05080545-10	1,2,4-Trimethylbenzene	1 U
WC-1 (20-25')	05080545-10	1,3,5-Trimethylbenzene	1 U
WC-1 (20-25')	05080545-10	Vinyl chloride	1 U
WC-1 (20-25')	05080545-10	o-Xylene	1 U
WC-1 (20-25')	05080545-10	p- & m-Xylenes	1 U
WC-1 (20-25')	05080545-10	MTBE	1 U

Form 1-VOA

Data File : C:\HPCHEM\1\DATA\V2005654.D

Vial: 12

Acq On : 24 Aug 2005 10:06 pm

Operator: SS

Sample : 05080545-10 \$8260W/VOATICW RE ASPB

Inst : VOA No. 2

Misc : QBV2082405A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Oct 4 12:01 19105

Quant Results File: V2C173.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Thu Aug 18 08:08:33 2005

Response via : Initial Calibration

DataAcq Meth : V2C173

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.89	70	23408	50.00	ppb	0.00
25) CHLOROBENZENE-d5(ISTD)	21.36	117	174079	50.00	ppb	0.00
47) 1,2-DICHLOROBENZENE-d4(IST	27.31	152	85598	50.00	ppb	0.00

System Monitoring Compounds

21) d4-1,2-Dichloroethane(SURR	14.14	65	26186	49.15	ppb	-0.01
Spiked Amount	50.000	Range	37 - 128	Recovery	=	98.30%
32) Toluene-d8(SURR)	18.14	98	147003	48.00	ppb	0.00
Spiked Amount	50.000	Range	40 - 61	Recovery	=	96.00%#
49) p-Bromofluorobenzene(SURR)	23.97	174	71741	48.93	ppb	0.00
Spiked Amount	50.000	Range	39 - 68	Recovery	=	97.86%#

Target Compounds

						Qvalue
11) Methylene Chloride	9.76	49	12760	4.00	ppb	# 99
37) Tetrachloroethylene	19.75	166	21492	7.85	ppb	# 99
41) Chlorobenzene	21.44	112	7073	1.07	ppb	# 98

Sy

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

V2005654.D V2C173.M Tue Oct 04 12:02:16 2005

000179

Page 1

Data File : C:\HPCHEM\1\DATA\V2005654.D

Acq On : 24 Aug 2005 10:06 pm

Sample : 05080545-10 \$8260W/VOAT1CW RE ASPB

Misc : QBV2082405A

MS Integration Params: rteint.p

Quant Time: Oct 4 12:01 19105

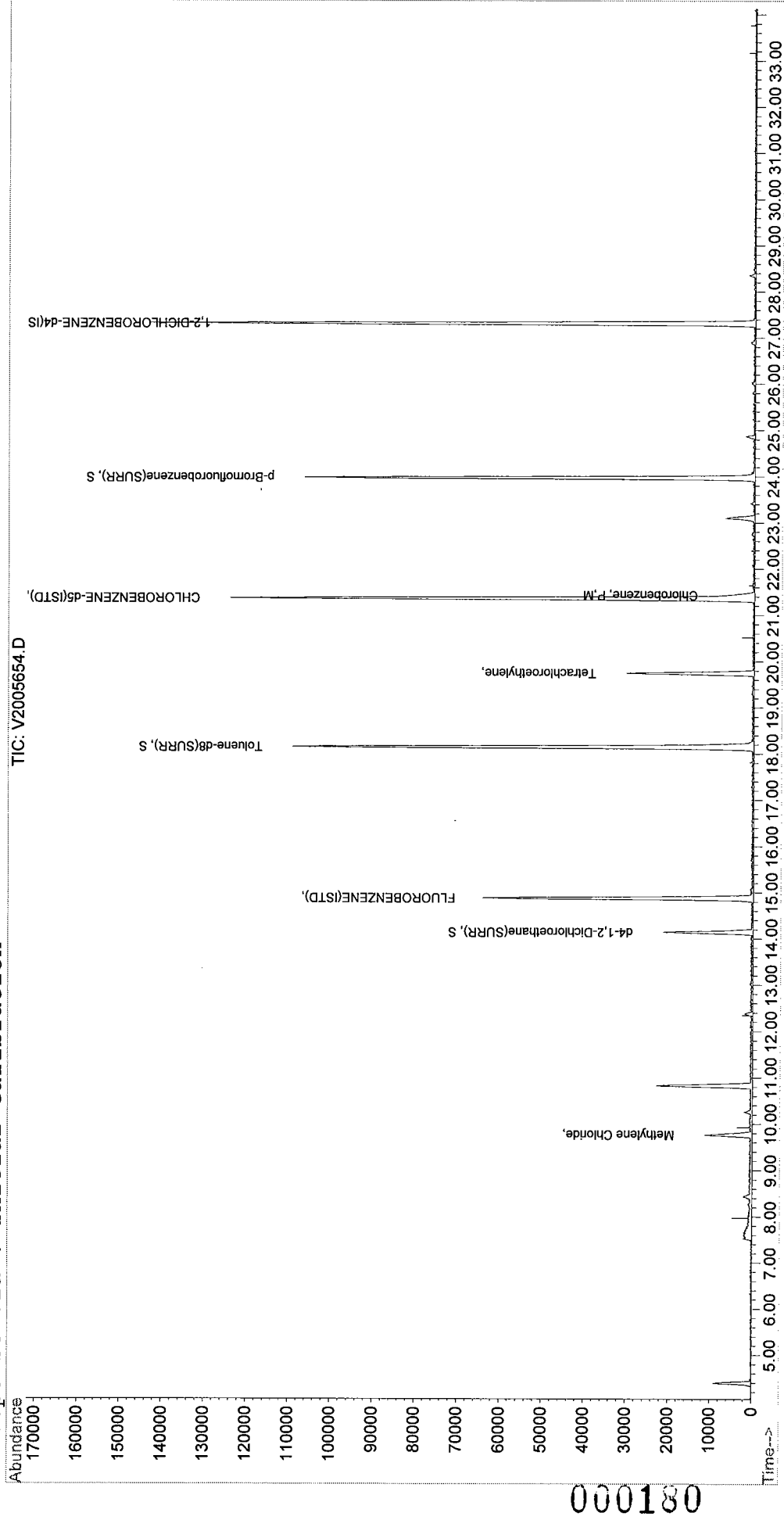
Quant Results File: V2C173.RES

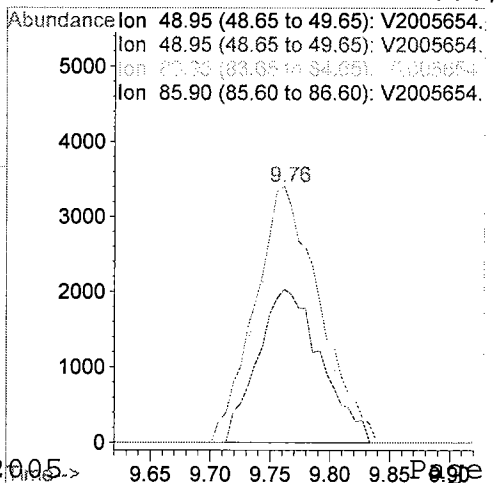
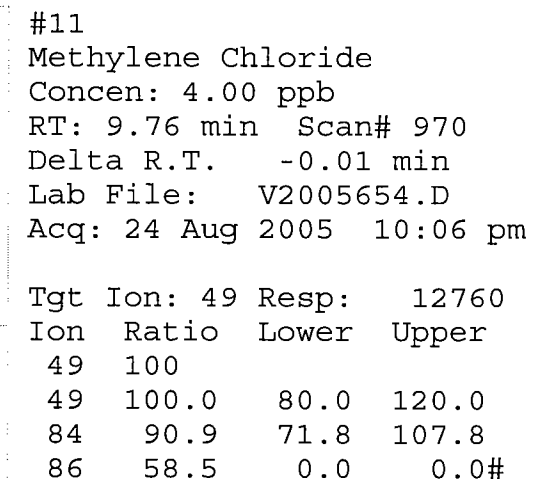
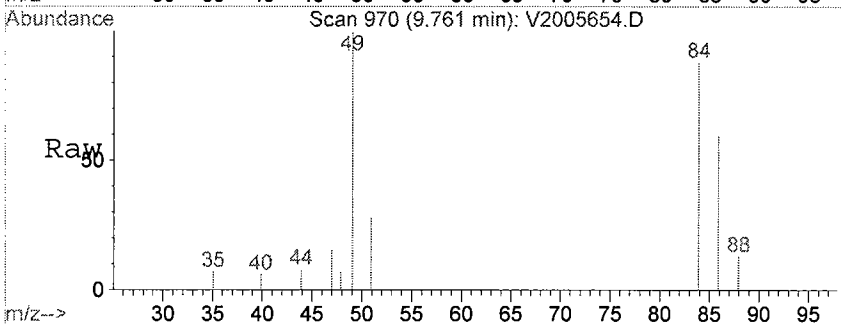
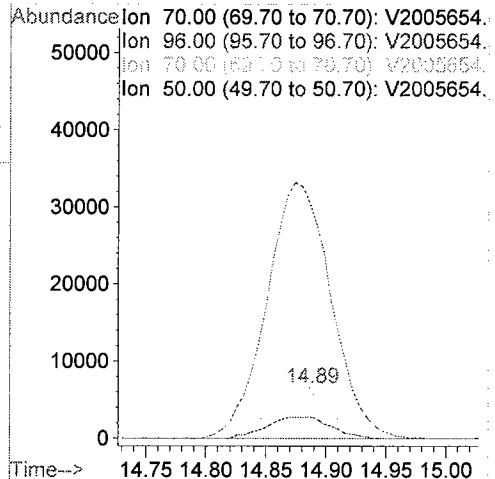
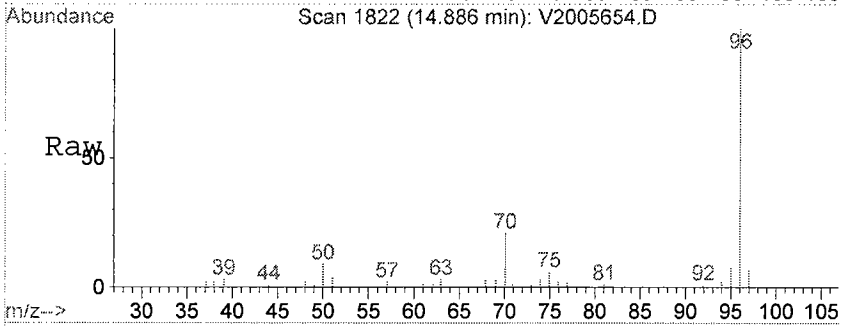
Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

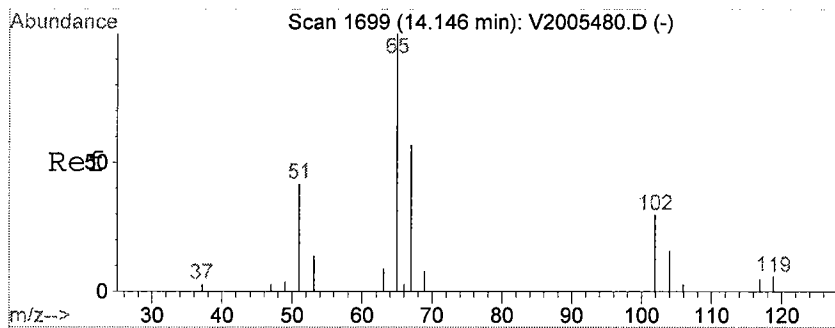
Last Update : Thu Aug 18 08:08:33 2005

Response via : Initial Calibration





V2



#21

d4-1,2-Dichloroethane (SURR)

Concen: 49.15 ppb

RT: 14.14 min Scan# 1698

Delta R.T. -0.01 min

Lab File: V2005654.D

Acq: 24 Aug 2005 10:06 pm

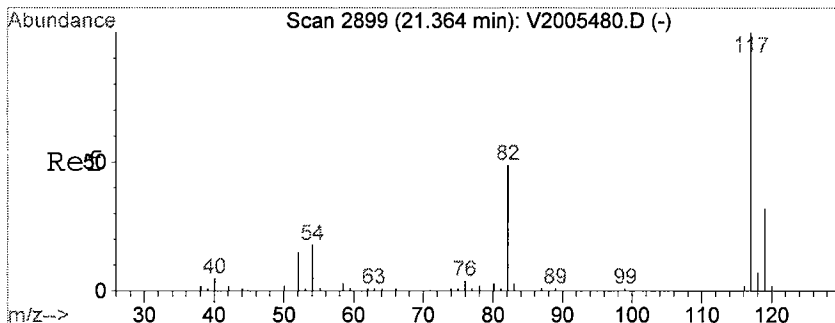
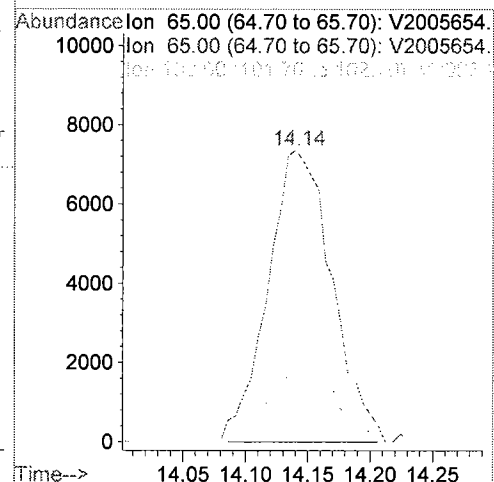
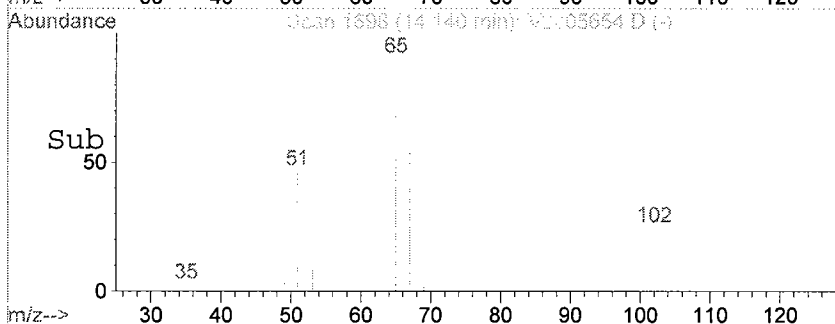
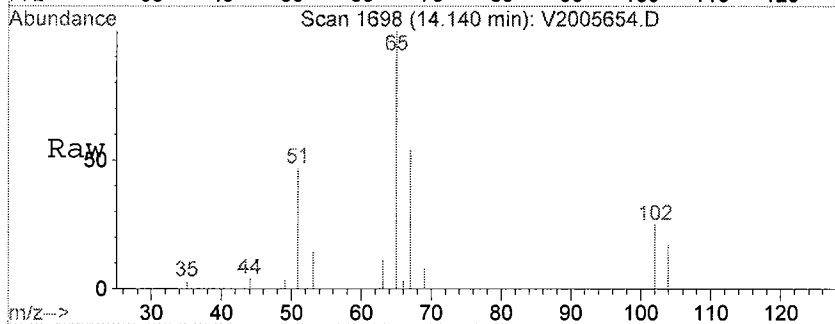
Tgt Ion: 65 Resp: 26186

Ion Ratio Lower Upper

65 100

65 100.0 80.0 120.0

102 27.8 21.4 32.2



#25

CHLORO BENZENE-d5 (ISTD)

Concen: 50.00 ppb

RT: 21.36 min Scan# 2899

Delta R.T. 0.00 min

Lab File: V2005654.D

Acq: 24 Aug 2005 10:06 pm

Tgt Ion: 117 Resp: 174079

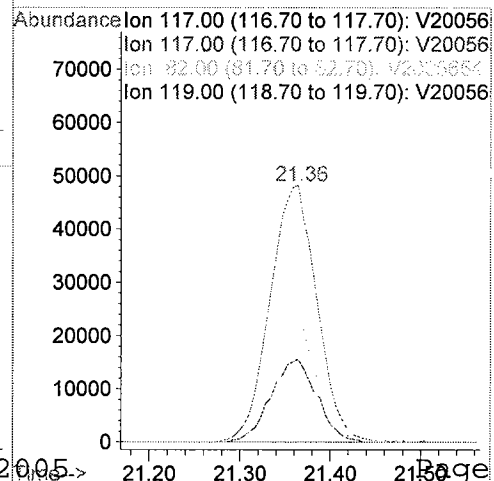
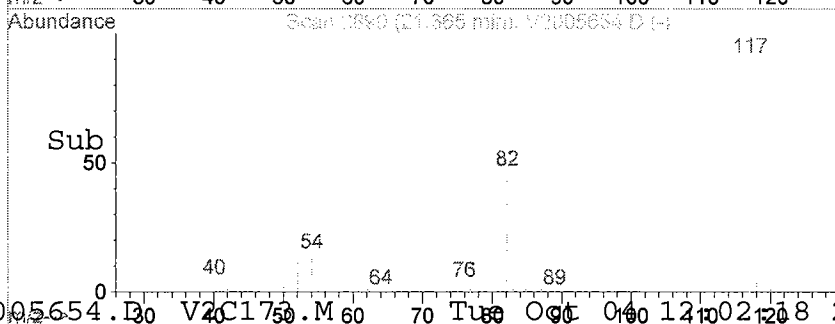
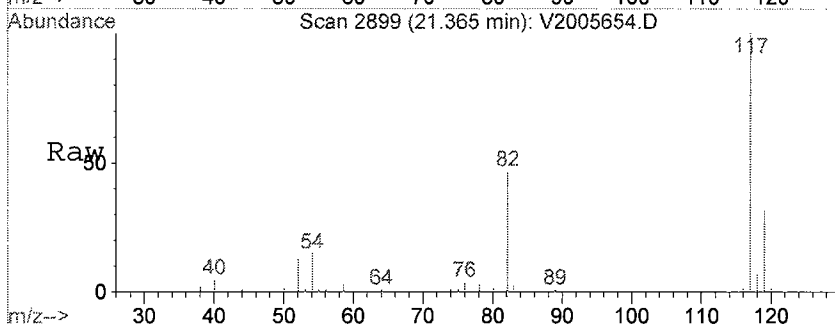
Ion Ratio Lower Upper

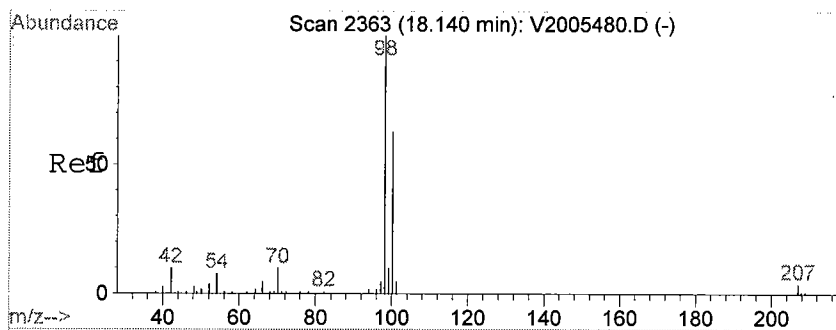
117 100

117 100.0 80.0 120.0

82 0.0 0.0 0.0

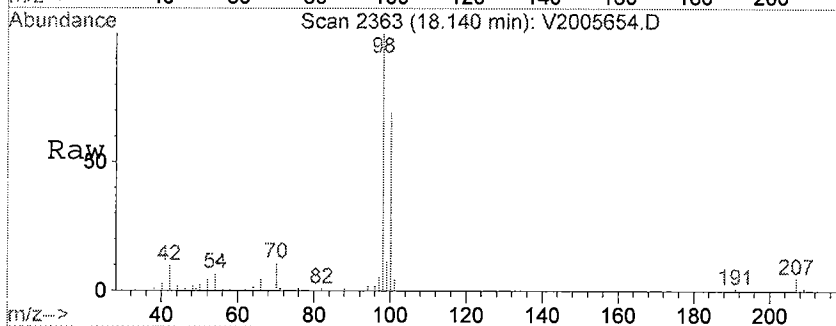
119 31.6 24.6 37.0





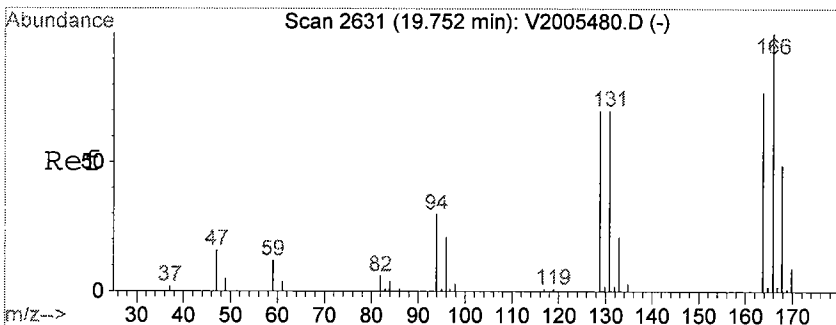
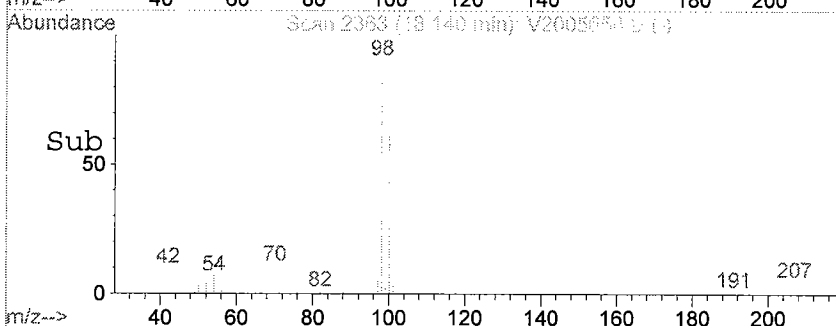
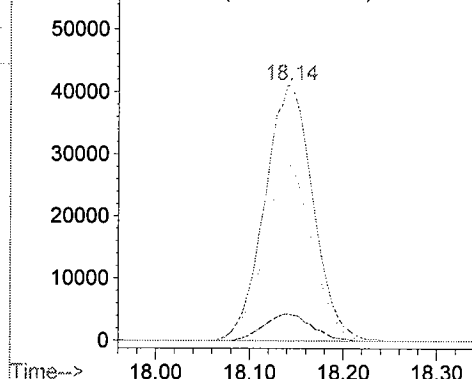
#32
Toluene-d8 (SURRE)
Concen: 48.00 ppb
RT: 18.14 min Scan# 2363
Delta R.T. -0.01 min
Lab File: V2005654.D
Acq: 24 Aug 2005 10:06 pm

Tgt Ion: 98 Resp: 147003
Ion Ratio Lower Upper
98 100
98 100.0 80.0 120.0
100 68.5 53.7 80.5
70 0.0 8.0 12.0#



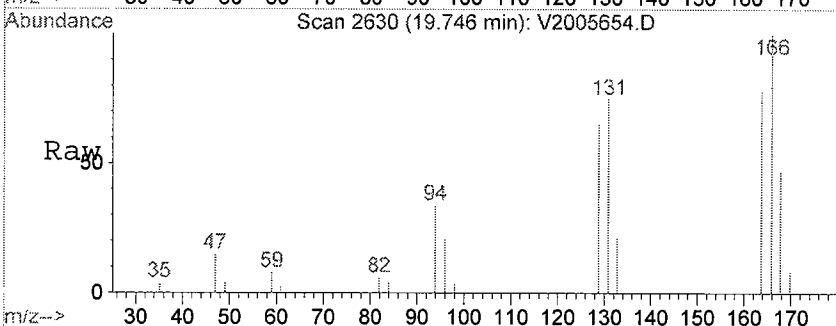
Abundance

Ion 98.00 (97.70 to 98.70): V2005654.
Ion 98.00 (97.70 to 98.70): V2005654.
Ion 100.00 (99.70 to 100.70): V2005654.
Ion 70.00 (69.70 to 70.70): V2005654.



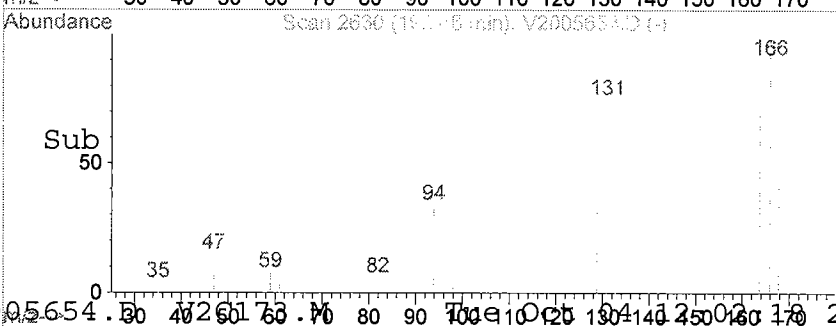
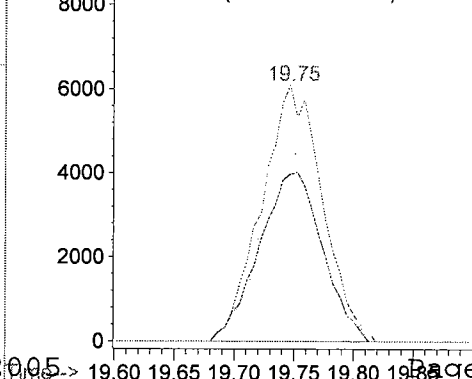
#37
Tetrachloroethylene
Concen: 7.85 ppb
RT: 19.75 min Scan# 2630
Delta R.T. -0.01 min
Lab File: V2005654.D
Acq: 24 Aug 2005 10:06 pm

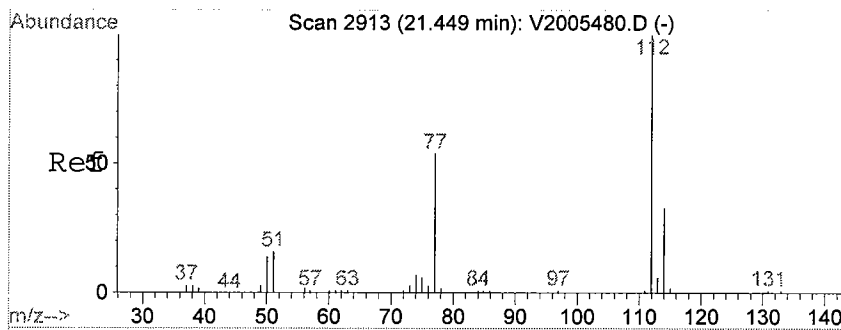
Tgt Ion: 166 Resp: 21492
Ion Ratio Lower Upper
166 100
166 100.0 80.0 120.0
164 0.0 0.0 0.0
129 68.5 56.6 85.0



Abundance

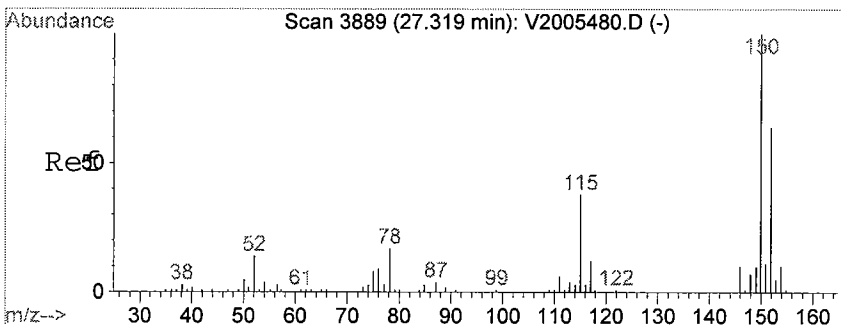
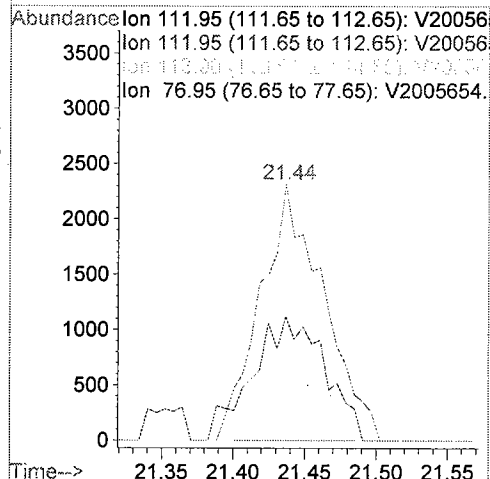
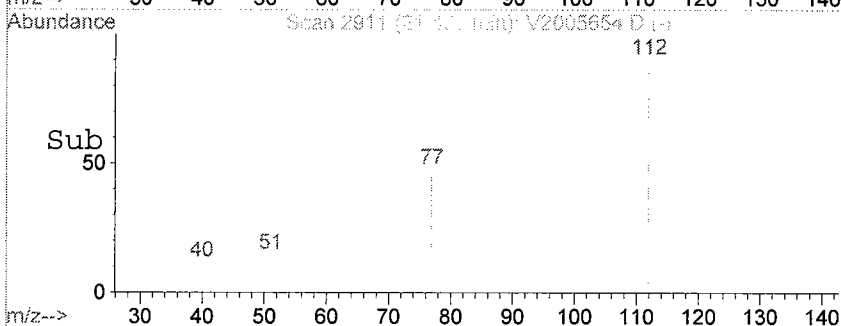
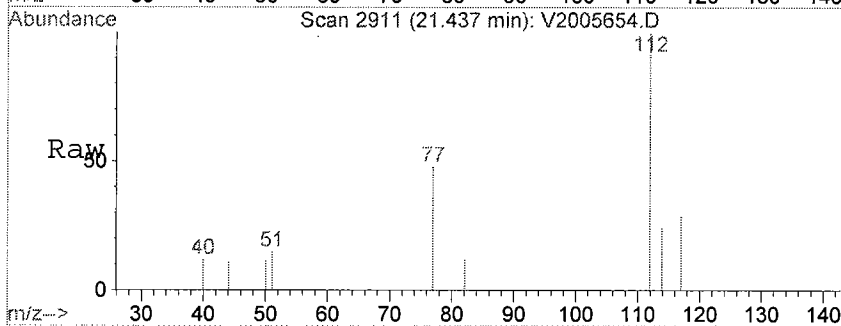
Ion 166.85 (165.55 to 166.55): V20056
Ion 166.85 (165.55 to 166.55): V20056
Ion 166.80 (165.50 to 166.50): V20056
Ion 128.80 (128.50 to 129.50): V20056





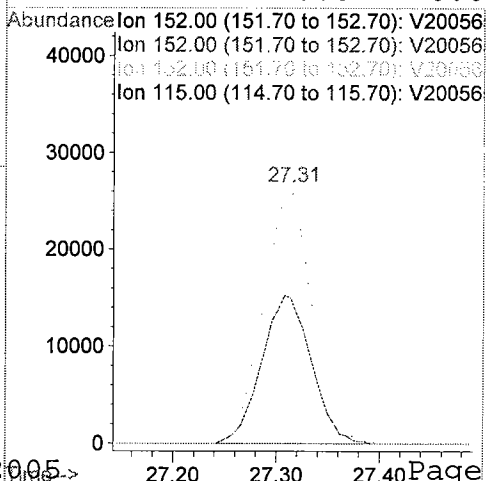
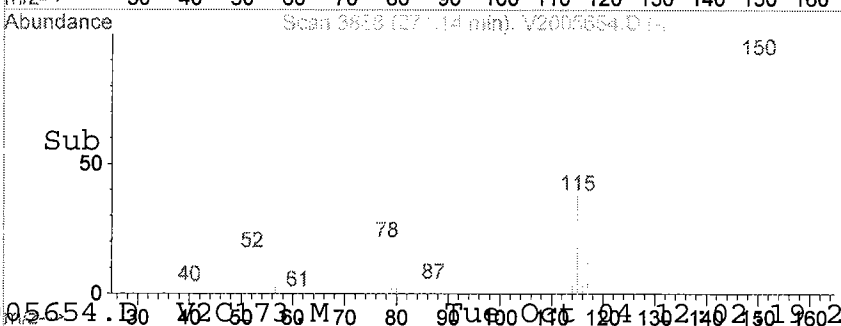
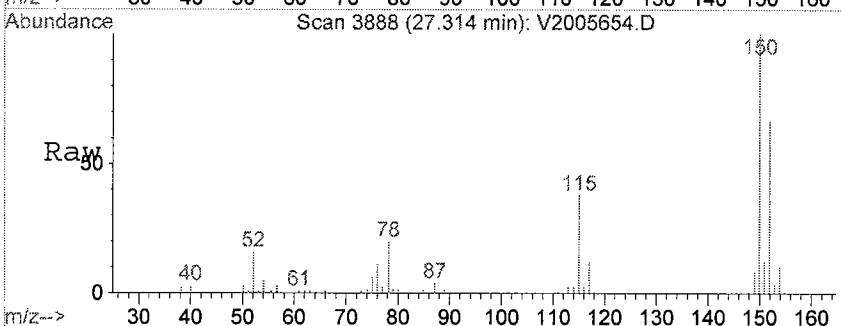
#41
Chlorobenzene
Concen: 1.07 ppb
RT: 21.44 min Scan# 2911
Delta R.T. -0.01 min
Lab File: V2005654.D
Acq: 24 Aug 2005 10:06 pm

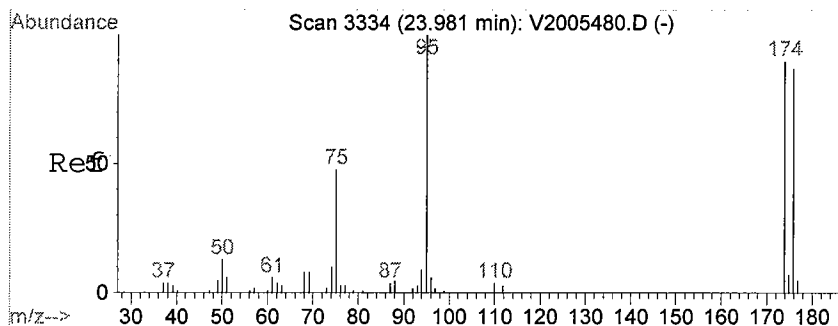
Tgt Ion:	112	Resp:	7073
Ion	Ratio	Lower	Upper
112	100		
112	100.0	80.0	120.0
114	27.8	25.4	38.0
77	0.0	0.0	0.0



#47
1,2-DICHLOROBENZENE-d4 (ISTD)
Concen: 50.00 ppb
RT: 27.31 min Scan# 3888
Delta R.T. -0.00 min
Lab File: V2005654.D
Acq: 24 Aug 2005 10:06 pm

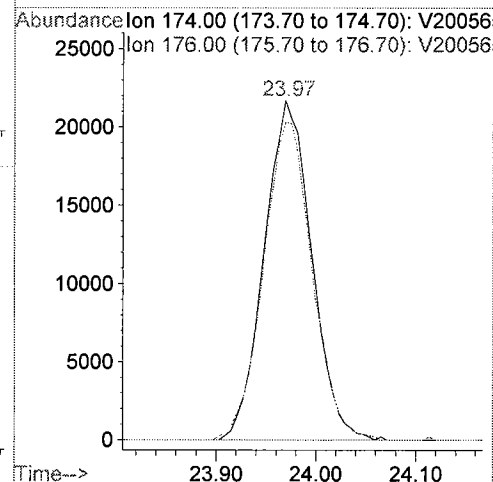
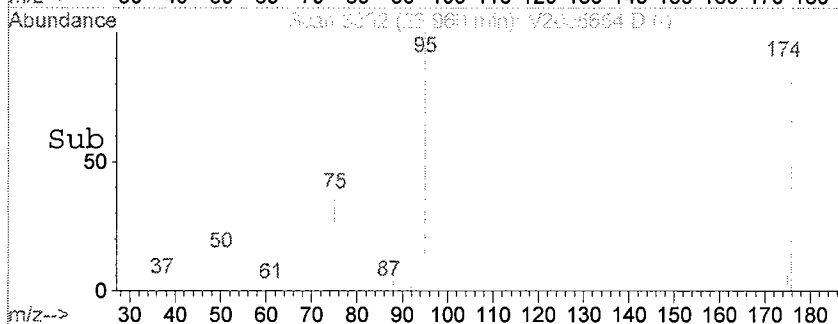
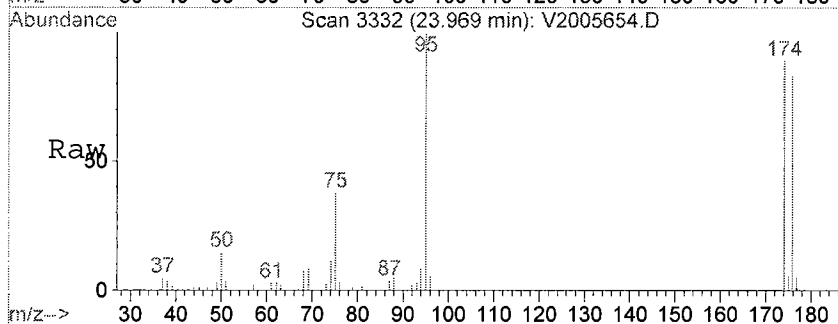
Tgt Ion:	152	Resp:	85598
Ion	Ratio	Lower	Upper
152	100		
152	100.0	80.0	120.0
152	100.0	80.0	120.0
115	0.0	0.0	0.0





#49
 p-Bromofluorobenzene (SURR)
 Concen: 48.93 ppb
 RT: 23.97 min Scan# 3332
 Delta R.T. -0.01 min
 Lab File: V2005654.D
 Acq: 24 Aug 2005 10:06 pm

Tgt Ion:174 Resp: 71741
 Ion Ratio Lower Upper
 174 100
 176 96.3 75.6 113.4



Client Sample ID

WC-1 (20-25')

Sample Amount: SOIL=1.0g/WATER=5.0ml

Date Collected: 8/15/05

Sample Type: **WATER**

Matrix: WATER

Date Received: 8/17/05

Dilution Factor: 1.00

Date Analyzed: 8/24/05

SDG: 05080545-10

Level: **LOW**

Lab ID: 05080545-10

Lab File ID: V2005654.D

CONCENTRATION
UNITS: **ug/L** **DRY**

[illegible]

LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\V2005654.D Vial: 12
Acq On : 24 Aug 2005 10:06 pm Operator: SS
Sample : 05080545-10 \$8260W/VOATICW RE ASPB Inst : VOA No. 2
Misc : QBV2082405A Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
Title : VOCs BY GC/MS 8240/8260
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.5 % of largest Peak
Start Thrs: 0.001 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	4.395	48	61	72	rBB	9054	26810	5.64%	1.146%
2	7.524	592	598	601	rBV	2073	3979	0.84%	0.170%
3	7.975	668	673	679	rVB	4289	2545	0.54%	0.109%
4	8.426	739	748	749	rBV2	1766	2934	0.62%	0.125%
5	8.438	749	750	757	rVB2	1488	2612	0.55%	0.112%
6	9.761	959	970	984	rBV3	11025	40765	8.57%	1.743%
7	10.261	1043	1053	1064	rVB5	1720	4999	1.05%	0.214%
8	10.820	1133	1146	1162	rBV3	22573	86568	18.20%	3.702%
9	12.384	1401	1406	1415	rVB4	1689	4306	0.91%	0.184%
10	14.140	1686	1698	1712	rBV2	21378	76789	16.15%	3.284%
11	14.874	1804	1820	1835	rBV2	64032	231215	48.62%	9.888%
12	18.140	2344	2363	2388	rVB2	109149	413438	86.94%	17.680%
13	19.746	2618	2630	2643	rVB3	30170	105207	22.12%	4.499%
14	21.365	2884	2899	2924	rBB2	124018	462439	97.24%	19.776%
15	23.097	3175	3187	3200	rVB	7019	26750	5.62%	1.144%
16	23.428	3233	3242	3248	rBB2	1097	3018	0.63%	0.129%
17	23.969	3314	3332	3350	rBV2	106490	357032	75.07%	15.268%
18	24.871	3469	3482	3488	rBB2	2193	6550	1.38%	0.280%
19	27.314	3871	3888	3902	rBV	143149	475569	100.00%	20.337%
20	28.348	4052	4060	4071	rBB3	1586	4918	1.03%	0.210%

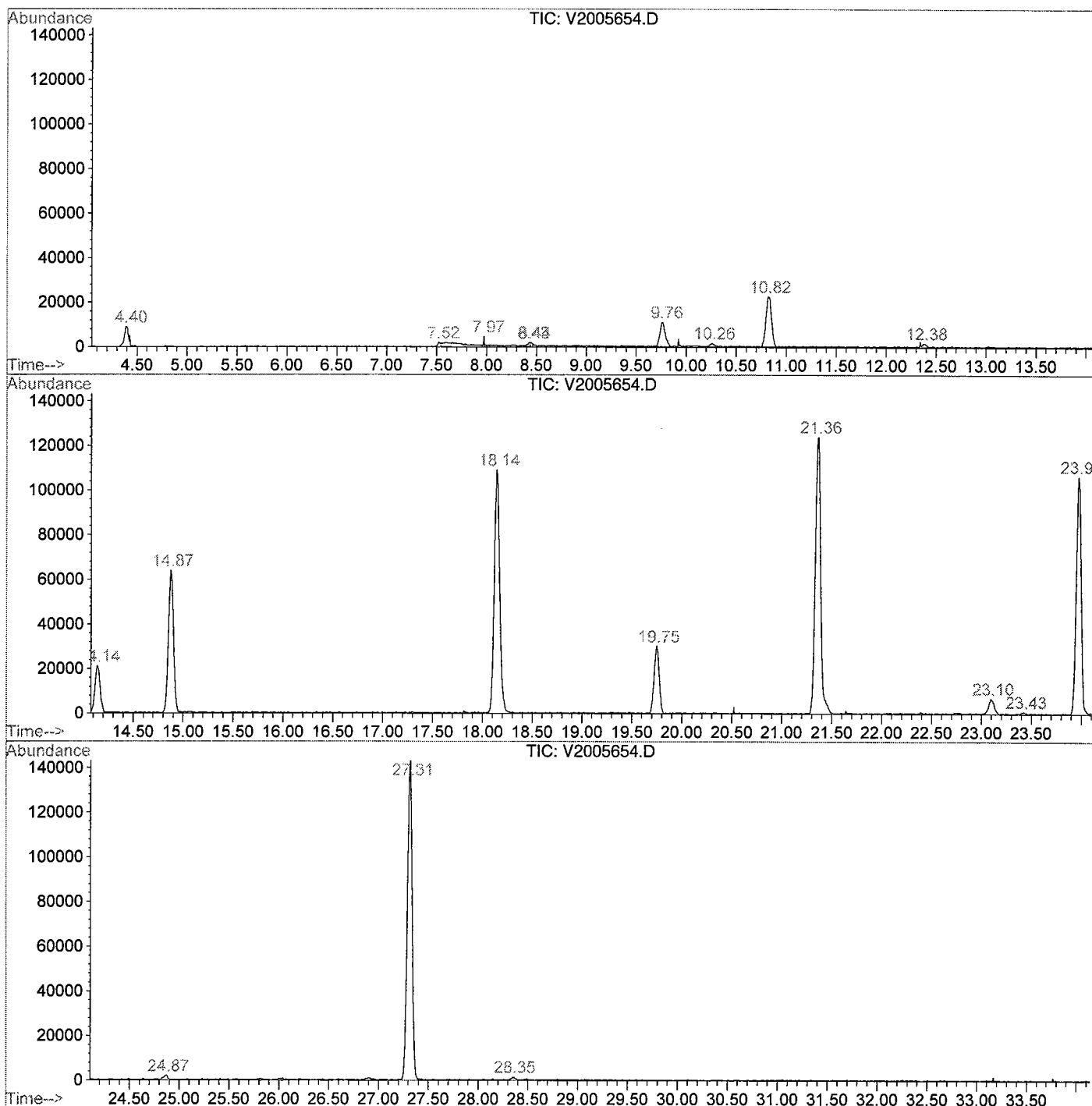
Sum of corrected areas: 2338443

V2005654.D V2C173.M Thu Aug 25 09:23:33 2005

000187

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\V2005654.D
 Operator : SS
 Acquired : 24 Aug 2005 10:06 pm using AcqMethod V2C173
 Instrument : VOA No. 2
 Sample Name: 05080545-10 \$8260W/VOATICW RE ASPB
 Misc Info : QBV2082405A
 Vial Number: 12
 Quant File :V2C173.RES (RTE Integrator)



Library Search Compound Report

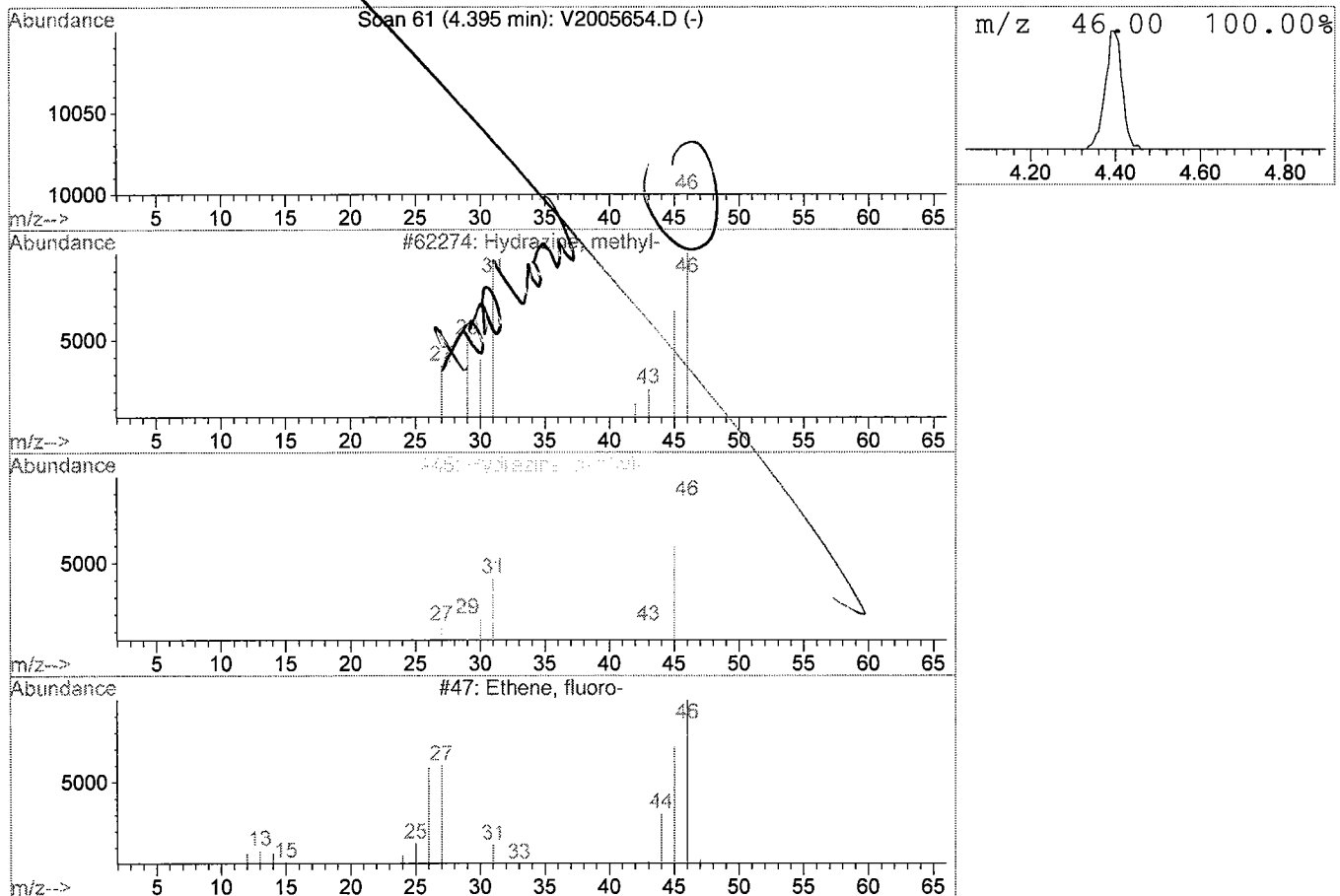
Data File : C:\HPCHEM\1\DATA\V2005654.D
Acq On : 24 Aug 2005 10:06 pm
Sample : 05080545-10 \$8260W/VOATICW RE ASPB
Misc : QBV2082405A
MS Integration Params: RTEINT.P

Vial: 12
Operator: SS
Inst : VOA No. 2
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
Title : VOCs BY GC/MS 8240/8260
Library : C:\DATABASE\NBS75K.L

Peak Number 1 Hydrazine, methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
4.40	5.80 ppb	26810	FLUOROBENZENE(ISTD)	14.89	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hydrazine, methyl-	46	CH6N2	000060-34-4	3
2	Hydrazine, methyl-	46	CH6N2	000060-34-4	3
3	Ethene, fluoro-	46	C2H3F	000075-02-5	3
4	Formic acid	46	CH2O2	000064-18-6	2



Vial: 12
Operator: SS
Inst : VOA No. 2
Multiplr: 1.00

Vial: 12
Operator: SS
Inst : VOA No. 2
Multiplr: 1.00

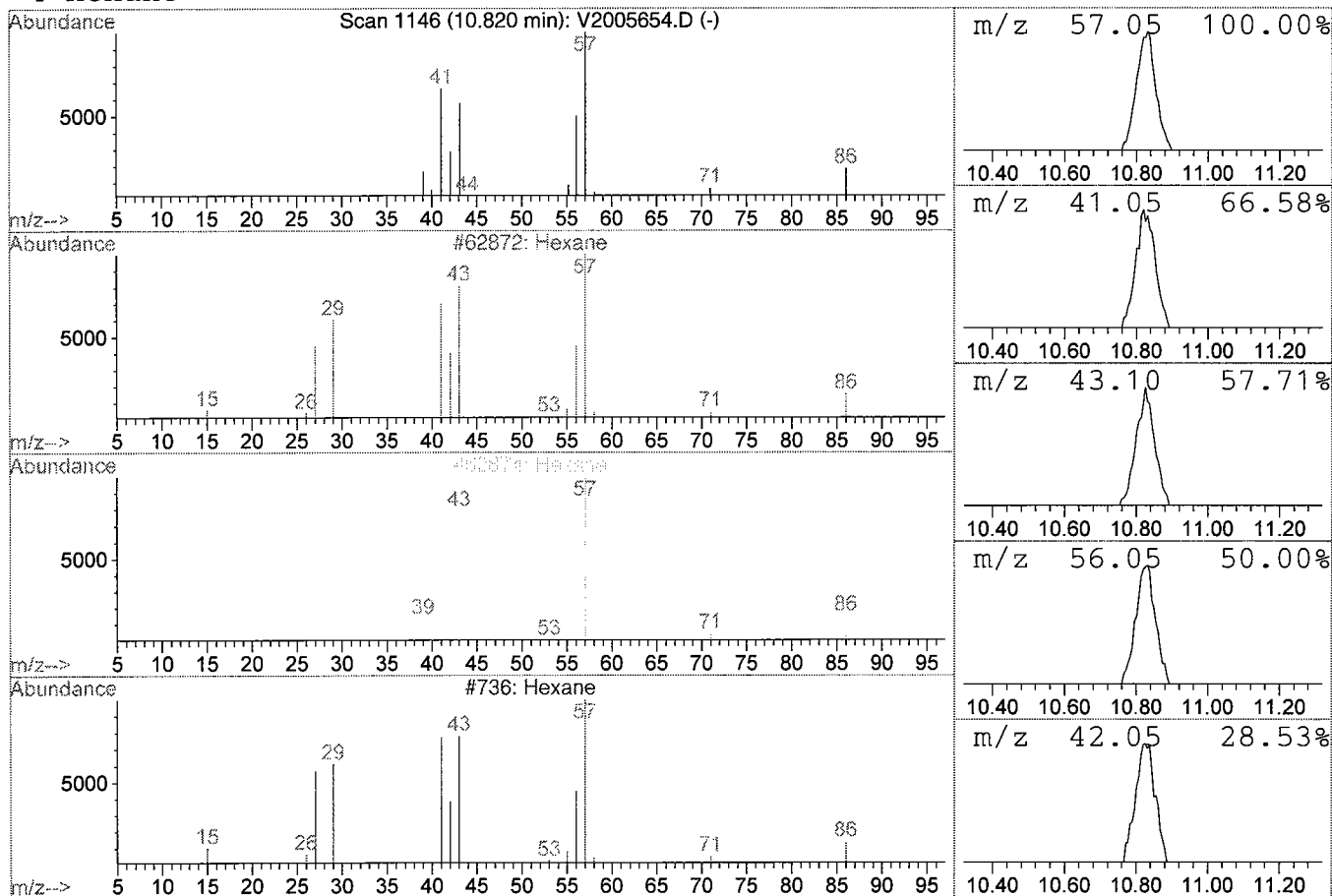
Library : C:\DATABASE\NBS75K.L

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*****
Peak Number 2 Hexane Concentration Rank 1

```

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.82	18.72 ppb	86568	FLUOROBENZENE(ISTD)		14.89	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane		86	C6H14	000110-54-3	83
2	Hexane		86	C6H14	000110-54-3	83
3	Hexane		86	C6H14	000110-54-3	64
4	Hexane		86	C6H14	000110-54-3	53



Tentatively Identified Compound (LSC) summary

Operator ID: SS Date Acquired: 24 Aug 2005 10:06 pm
 Data File: C:\HPCHEM\1\DATA\V2005654.D
 Name: 05080545-10 \$8260W/VOATICW RE ASPB
 Misc: QBV2082405A
 Method: C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
 Title: VOCs BY GC/MS 8240/8260
 Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc Units	Area	IntStd	ISRT	ISArea	ISConc
Hydrazine, methyl-	4.40	5.8 ppb	26810	ISTD01	14.89	231215	50.0
Hexane	10.82	18.7 ppb	86568	ISTD01	14.89	231215	50.0

V2005654.D V2C173.M Thu Aug 25 09:23:42 2005

Client Sample ID

WC-1 (35-40')

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

Matrix: WATER

Dilution Factor: 1.0

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

Date Collected: 8/15/05

Date Received: 8/17/05

Date Analyzed: 8/24/05

Level: LOW

Sample Type: WATER

SDG: 05080545

Lab ID: 05080545-11

Lab File ID: V2005655.D

CONCENTRATION

UNITS: ug/L

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
WC-1 (35-40')	05080545-11	Benzene	1 U
WC-1 (35-40')	05080545-11	Bromobenzene	1 U
WC-1 (35-40')	05080545-11	Bromochloromethane	1 U
WC-1 (35-40')	05080545-11	Bromodichloromethane	1 U
WC-1 (35-40')	05080545-11	Bromoform	1 U
WC-1 (35-40')	05080545-11	Bromomethane	1 U
WC-1 (35-40')	05080545-11	n-Butylbenzene	1 U
WC-1 (35-40')	05080545-11	sec-Butylbenzene	1 U
WC-1 (35-40')	05080545-11	tert-Butylbenzene	1 U
WC-1 (35-40')	05080545-11	Carbon tetrachloride	1 U
WC-1 (35-40')	05080545-11	Chlorobenzene	8
WC-1 (35-40')	05080545-11	Chloroethane	1 U
WC-1 (35-40')	05080545-11	Chloroform	1 U
WC-1 (35-40')	05080545-11	1-Chlorohexane	1 U
WC-1 (35-40')	05080545-11	Chloromethane	1 U
WC-1 (35-40')	05080545-11	2-Chlorotoluene	1 U
WC-1 (35-40')	05080545-11	4-Chlorotoluene	1 U
WC-1 (35-40')	05080545-11	Dibromochloromethane	1 U
WC-1 (35-40')	05080545-11	1,2-Dibromo-3-chloropropane	1 U
WC-1 (35-40')	05080545-11	1,2-Dibromoethane	1 U
WC-1 (35-40')	05080545-11	Dibromomethane	1 U
WC-1 (35-40')	05080545-11	1,2-Dichlorobenzene	1 U
WC-1 (35-40')	05080545-11	1,3-Dichlorobenzene	1 U
WC-1 (35-40')	05080545-11	1,4-Dichlorobenzene	1 U
WC-1 (35-40')	05080545-11	Dichlorodifluoromethane	1 U
WC-1 (35-40')	05080545-11	1,1-Dichloroethane	1 U
WC-1 (35-40')	05080545-11	1,2-Dichloroethane	1 U
WC-1 (35-40')	05080545-11	1,1-Dichloroethylene	1 U
WC-1 (35-40')	05080545-11	1,2-Dichloroethylene (Total)	4(cis-)
WC-1 (35-40')	05080545-11	1,2-Dichloropropane	1 U
WC-1 (35-40')	05080545-11	1,3-Dichloropropane	1 U
WC-1 (35-40')	05080545-11	2,2-Dichloropropane	1 U
WC-1 (35-40')	05080545-11	1,1-Dichloropropylene	1 U

Client Sample ID

WC-1 (35-40')

CONCENTRATION
UNITS: ug/L

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
WC-1 (35-40')	05080545-11	cis-1,3-Dichloropropylene	1 U
WC-1 (35-40')	05080545-11	trans-1,3-Dichloropropylene	1 U
WC-1 (35-40')	05080545-11	Ethylbenzene	1 U
WC-1 (35-40')	05080545-11	Hexachlorobutadiene	1 U
WC-1 (35-40')	05080545-11	Isopropylbenzene	1 U
WC-1 (35-40')	05080545-11	p-Isopropyltoluene	1 U
WC-1 (35-40')	05080545-11	Methylene chloride	4 B
WC-1 (35-40')	05080545-11	Naphthalene	1 U
WC-1 (35-40')	05080545-11	n-Propylbenzene	1 U
WC-1 (35-40')	05080545-11	Styrene	1 U
WC-1 (35-40')	05080545-11	1,1,1,2-Tetrachloroethane	1 U
WC-1 (35-40')	05080545-11	1,1,2,2-Tetrachloroethane	1 U
WC-1 (35-40')	05080545-11	Tetrachloroethylene	23
WC-1 (35-40')	05080545-11	Toluene	1 U
WC-1 (35-40')	05080545-11	1,2,3-Trichlorobenzene	1 U
WC-1 (35-40')	05080545-11	1,2,4-Trichlorobenzene	1 U
WC-1 (35-40')	05080545-11	1,1,1-Trichloroethane	5
WC-1 (35-40')	05080545-11	1,1,2-Trichloroethane	1 U
WC-1 (35-40')	05080545-11	Trichloroethylene	1 U
WC-1 (35-40')	05080545-11	Trichlorofluoromethane	1 U
WC-1 (35-40')	05080545-11	1,2,3-Trichloropropane	1 U
WC-1 (35-40')	05080545-11	1,2,3-Trimethylbenzene	1 U
WC-1 (35-40')	05080545-11	1,2,4-Trimethylbenzene	1 U
WC-1 (35-40')	05080545-11	1,3,5-Trimethylbenzene	1 U
WC-1 (35-40')	05080545-11	Vinyl chloride	1 U
WC-1 (35-40')	05080545-11	o-Xylene	1 U
WC-1 (35-40')	05080545-11	p- & m-Xylenes	1 U
WC-1 (35-40')	05080545-11	MTBE	1 U

Form 1-VOA

000193

Data File : C:\HPCHEM\1\DATA\V2005655.D

Vial: 13

Acq On : 24 Aug 2005 10:48 pm

Operator: SS

Sample : 05080545-11 \$8260W/VOATICW RE ASPB

Inst : VOA No. 2

Misc : QBV2082405A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Oct 4 12:02 19105

Quant Results File: V2C173.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Thu Aug 18 08:08:33 2005

Response via : Initial Calibration

DataAcq Meth : V2C173

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.89	70	23194	50.00	ppb	0.00
25) CHLOROBENZENE-d5(ISTD)	21.37	117	170590	50.00	ppb	0.00
47) 1,2-DICHLOROBENZENE-d4(IST	27.32	152	83269	50.00	ppb	0.00

System Monitoring Compounds

21) d4-1,2-Dichloroethane(SURR	14.16	65	26331	49.88	ppb	0.00
Spiked Amount	50.000	Range	37 - 128	Recovery	=	99.76%
32) Toluene-d8(SURR)	18.15	98	144725	48.22	ppb	0.00
Spiked Amount	50.000	Range	40 - 61	Recovery	=	96.44%#
49) p-Bromofluorobenzene(SURR)	23.98	174	71459	50.10	ppb	0.00
Spiked Amount	50.000	Range	39 - 68	Recovery	=	100.20%#

Target Compounds

						Qvalue
11) Methylene Chloride	9.78	49	11510	3.64	ppb	# 100
15) cis-1,2-Dichloroethylene	12.47	96	9574	3.95	ppb	# 93
19) 1,1,1-Trichloroethane	13.68	97	13249	4.72	ppb	# 98
37) Tetrachloroethylene	19.75	166	61362	22.88	ppb	# 100
41) Chlorobenzene	21.45	112	50516	7.77	ppb	# 100

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

V2005655.D V2C173.M Tue Oct 04 12:03:54 2005

Page 1

000194

Vial: 13

Operator: SS

Inst : VOA No. 2

Multiplr: 1.00

MS Integration Params: rteint.p

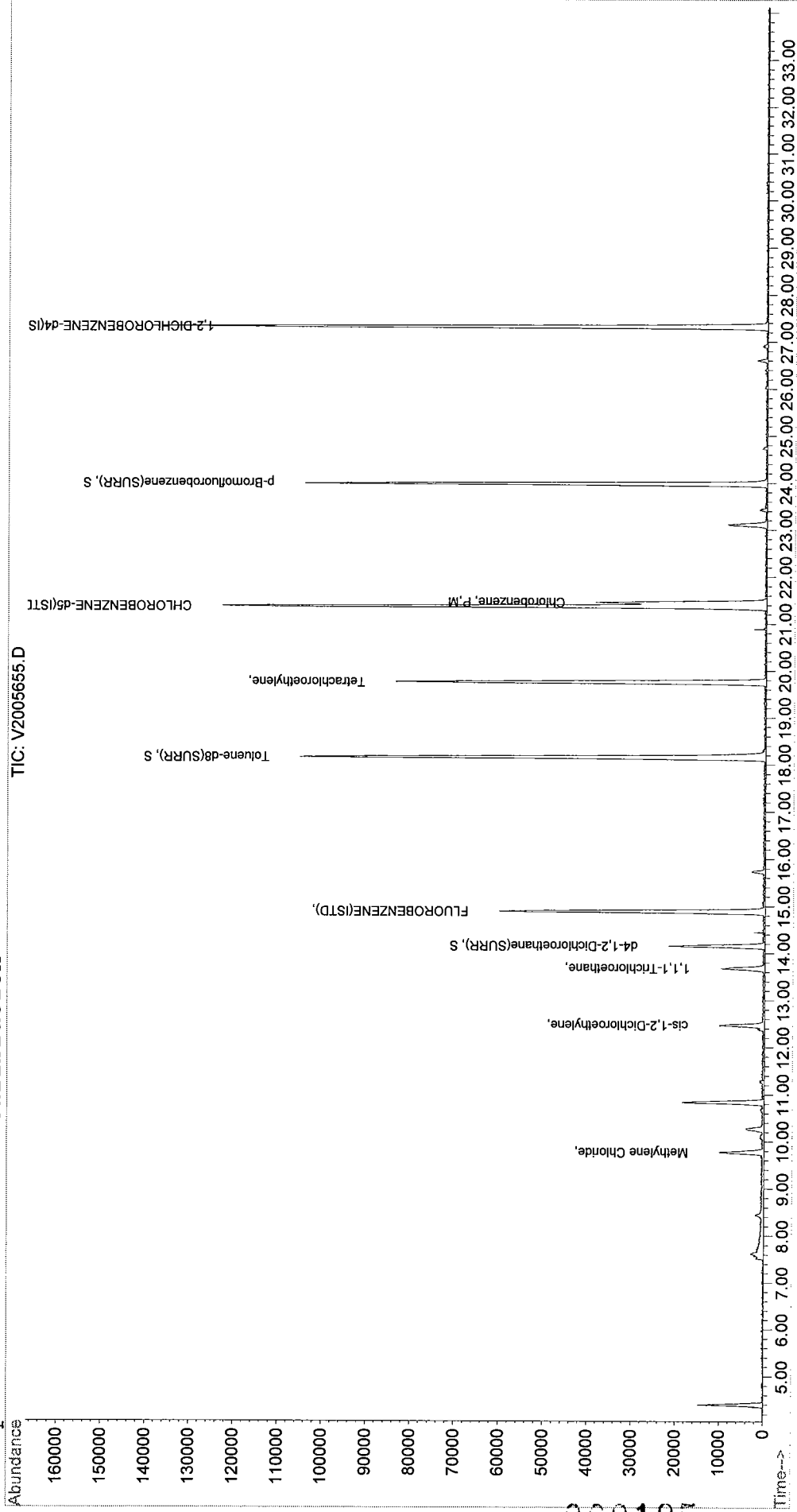
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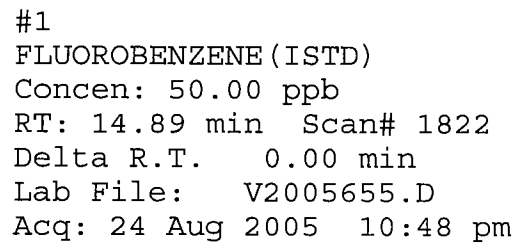
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Title : VOCs BY GC/MS 8240/8260

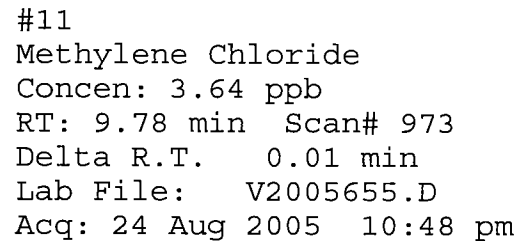
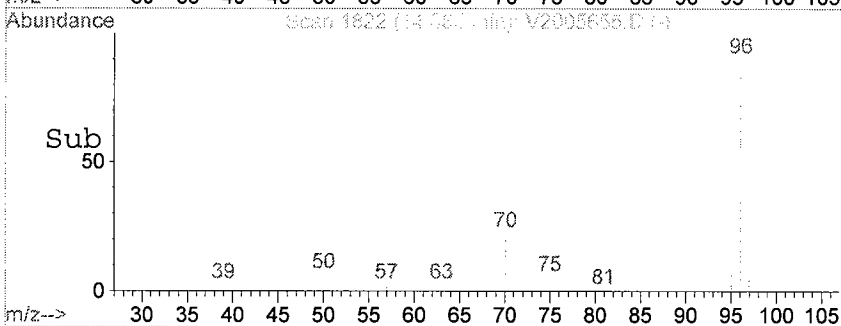
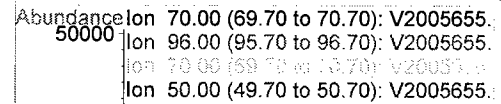
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Response via : Initial Calibration

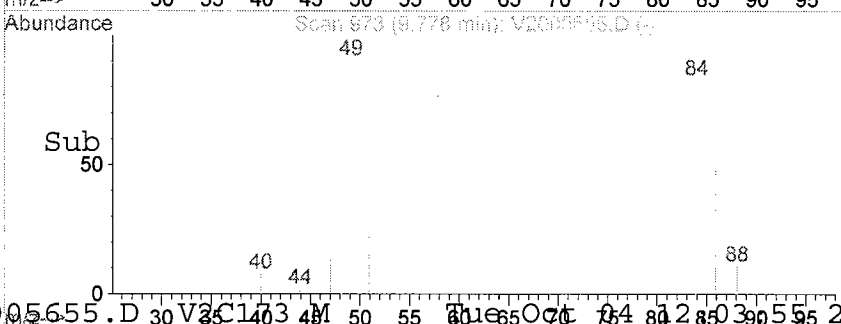
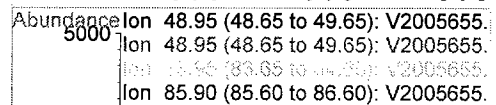


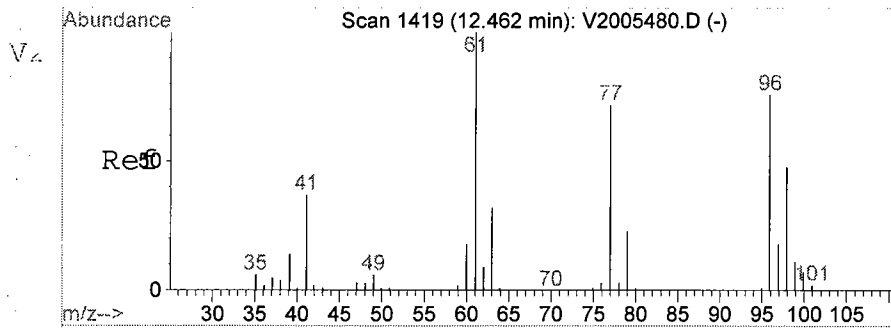


Tgt	Ion: 70	Resp:	23194
Ion	Ratio	Lower	Upper
70	100		
96	0.0	404.2	606.2#
70	100.0	80.0	120.0
50	22.1	34.5	51.7#



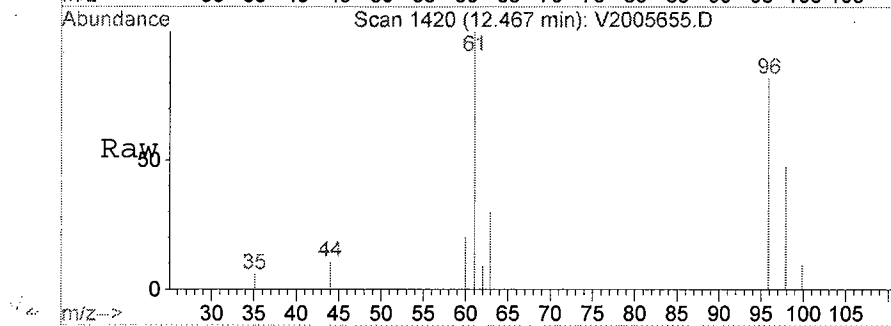
Tgt	Ion: 49	Resp:	11510
Ion	Ratio	Lower	Upper
49	100		
49	100.0	80.0	120.0
84	90.2	71.8	107.8
86	0.0	0.0	0.0



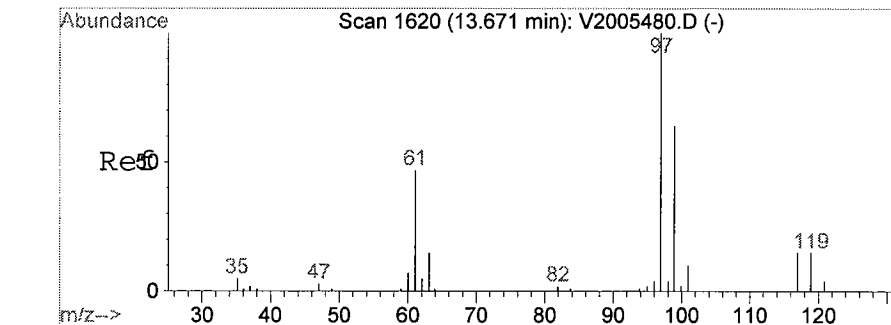
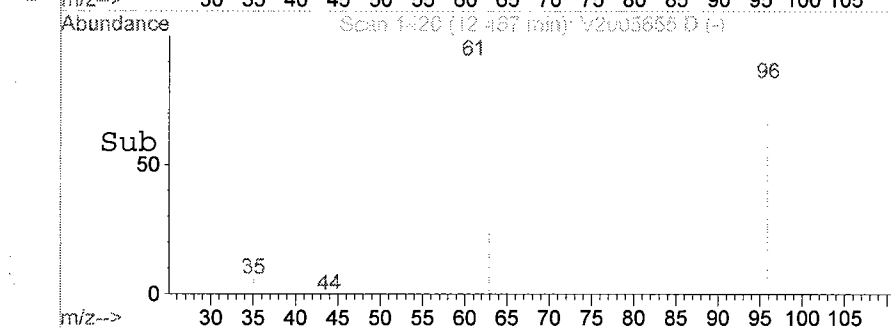
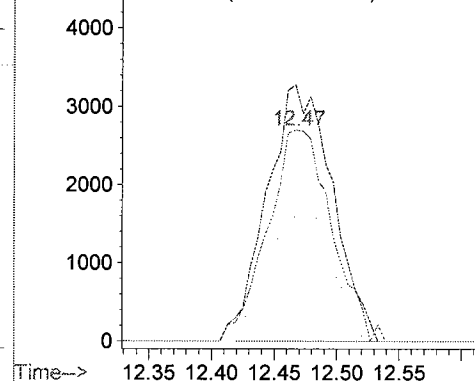


#15
 cis-1,2-Dichloroethylene
 Concen: 3.95 ppb
 RT: 12.47 min Scan# 1420
 Delta R.T. 0.00 min
 Lab File: V2005655.D
 Acq: 24 Aug 2005 10:48 pm

Tgt Ion:	96	Resp:	9574
Ion	Ratio	Lower	Upper
96	100		
96	100.0	80.0	120.0
98	0.0	0.0	0.0
61	124.4	111.0	166.4

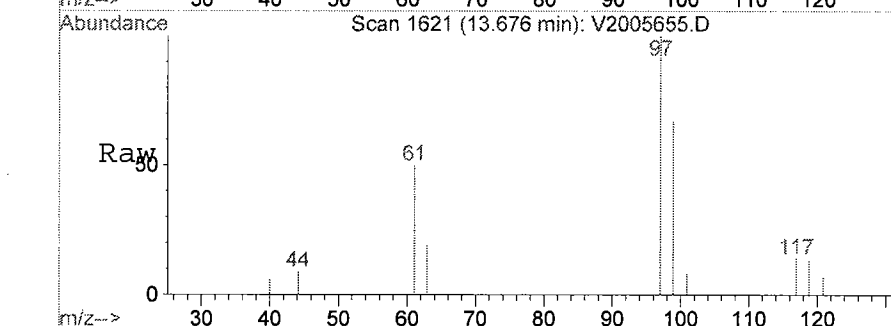


Abundance Ion 95.95 (95.65 to 96.65): V2005655.
 Ion 95.95 (95.65 to 96.65): V2005655.
 Ion 97.05 (96.75 to 98.65): V2005655.
 Ion 61.00 (60.70 to 61.70): V2005655.

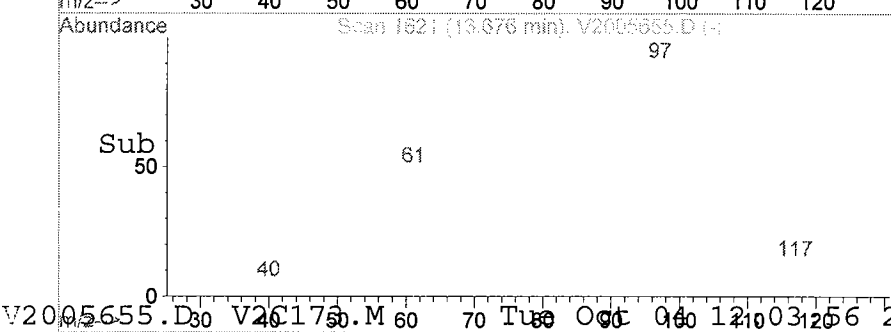
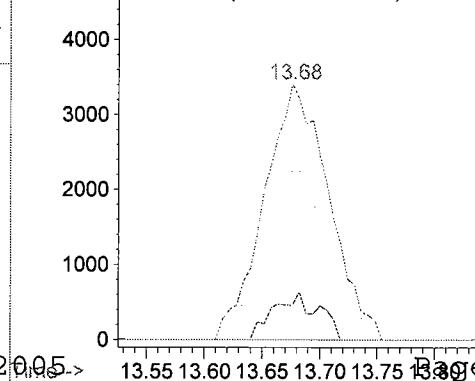


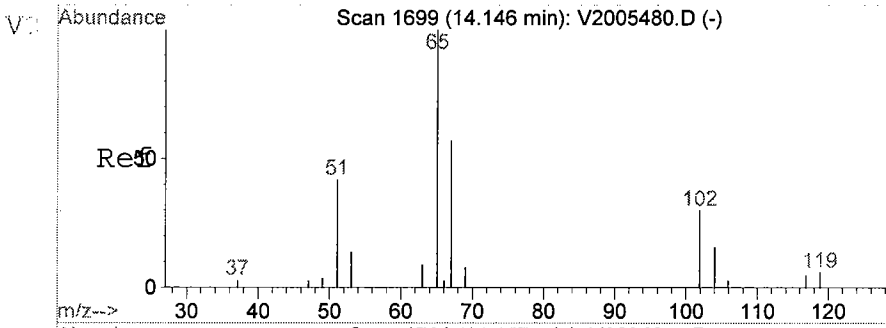
#19
 1,1,1-Trichloroethane
 Concen: 4.72 ppb
 RT: 13.68 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: V2005655.D
 Acq: 24 Aug 2005 10:48 pm

Tgt Ion:	97	Resp:	13249
Ion	Ratio	Lower	Upper
97	100		
97	100.0	80.0	120.0
99	62.9	52.3	78.5
117	9.9	12.4	18.6



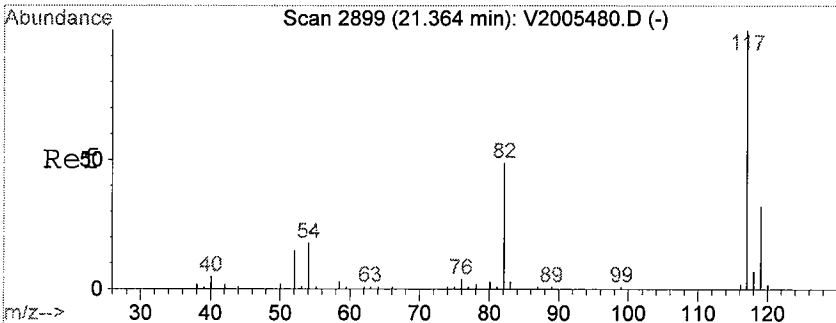
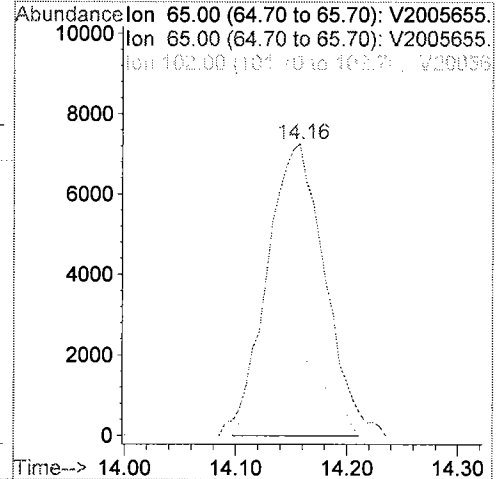
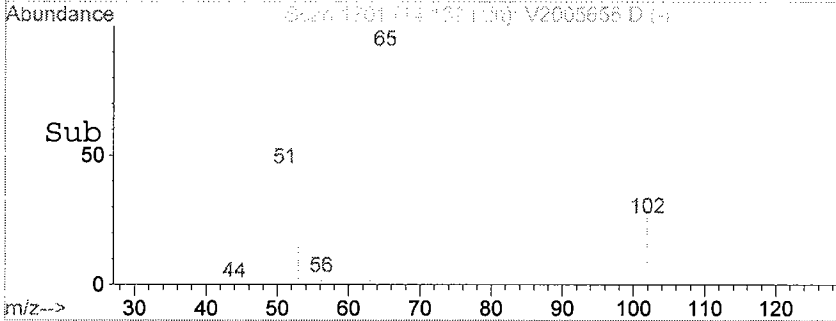
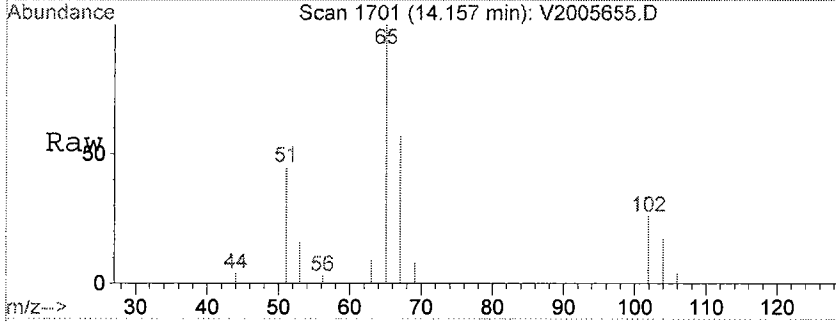
Abundance Ion 96.95 (96.65 to 97.65): V2005655.
 Ion 96.95 (96.65 to 97.65): V2005655.
 Ion 99.05 (98.60 to 99.60): V2005655.
 Ion 117.00 (116.70 to 117.70): V2005655.





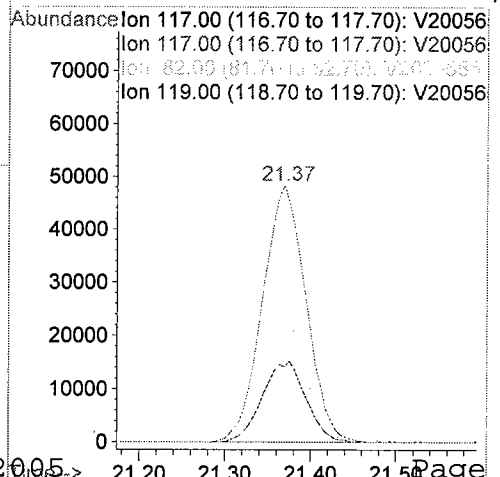
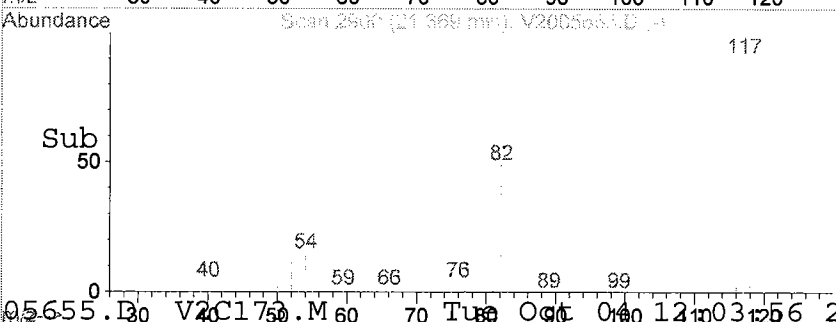
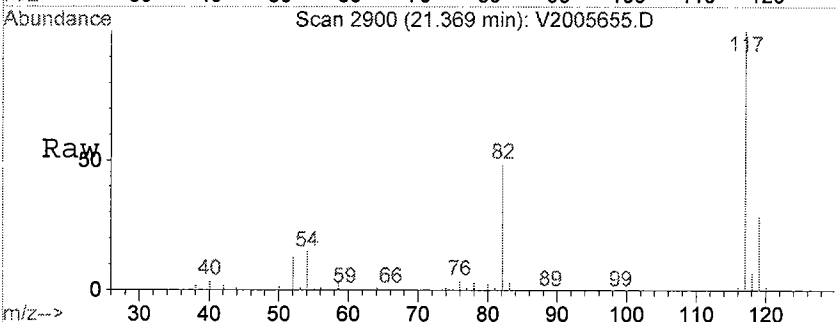
#21
d4-1,2-Dichloroethane (SURR)
Concen: 49.88 ppb
RT: 14.16 min Scan# 1701
Delta R.T. 0.01 min
Lab File: V2005655.D
Acq: 24 Aug 2005 10:48 pm

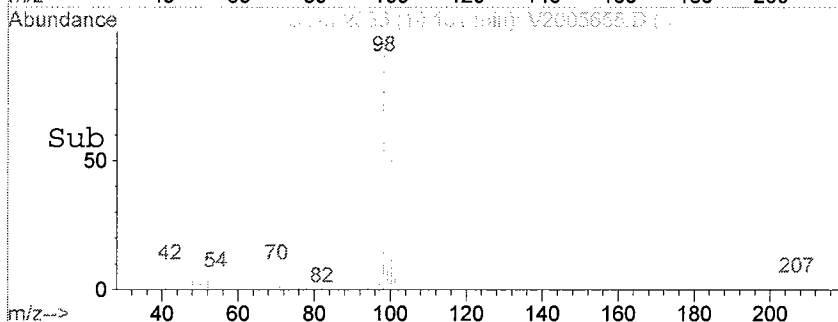
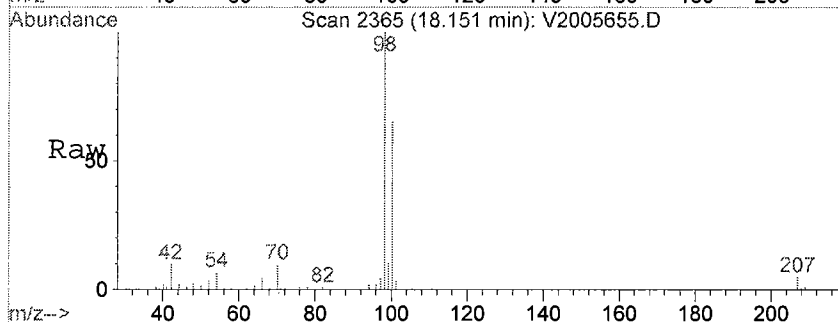
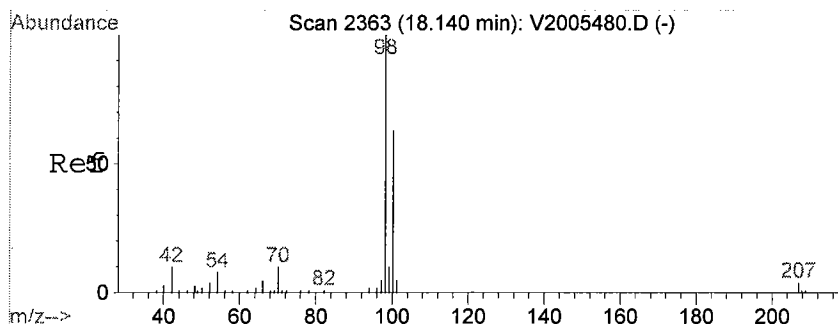
Tgt Ion	Ratio	Lower	Upper
65	100		
65	100.0	80.0	120.0
102	27.6	21.4	32.2



#25
CHLOROBENZENE-d5 (ISTD)
Concen: 50.00 ppb
RT: 21.37 min Scan# 2900
Delta R.T. 0.01 min
Lab File: V2005655.D
Acq: 24 Aug 2005 10:48 pm

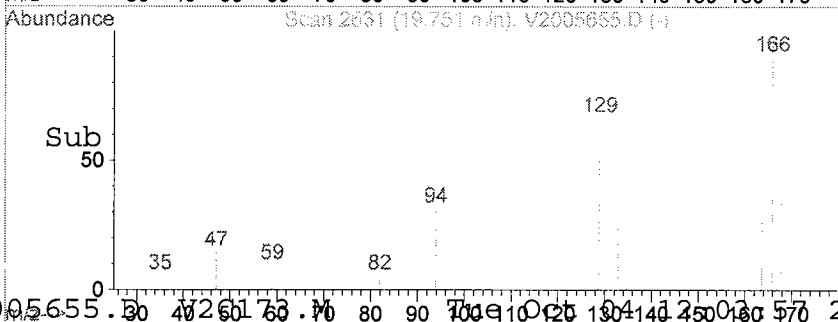
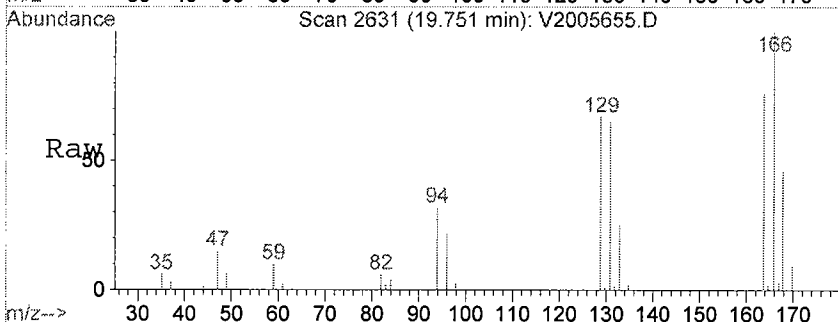
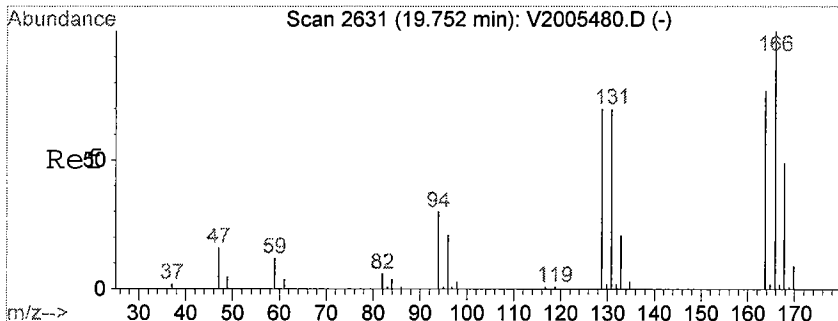
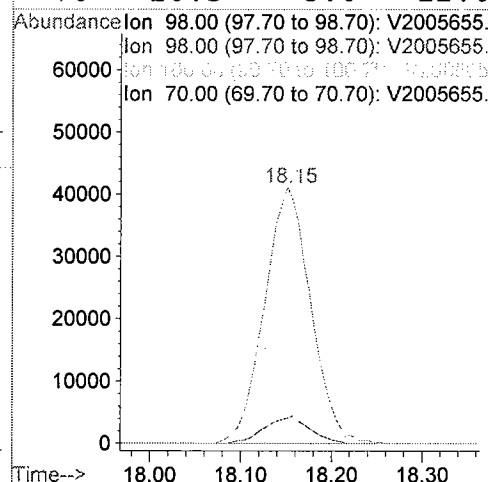
Tgt Ion	Ratio	Lower	Upper
117	100		
117	100.0	80.0	120.0
82	49.4	0.0	0.0#
119	0.0	24.6	37.0#





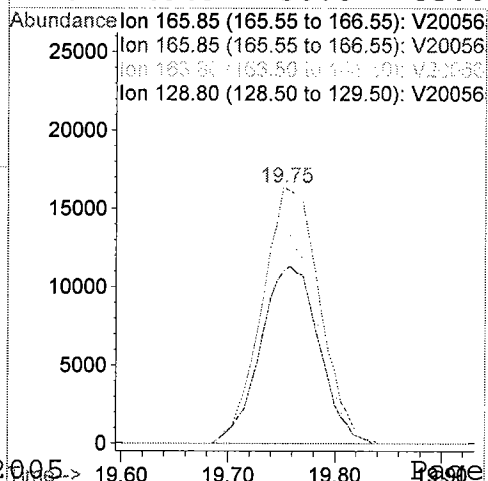
#32
Toluene-d8 (SURR)
Concen: 48.22 ppb
RT: 18.15 min Scan# 2365
Delta R.T. 0.00 min
Lab File: V2005655.D
Acq: 24 Aug 2005 10:48 pm

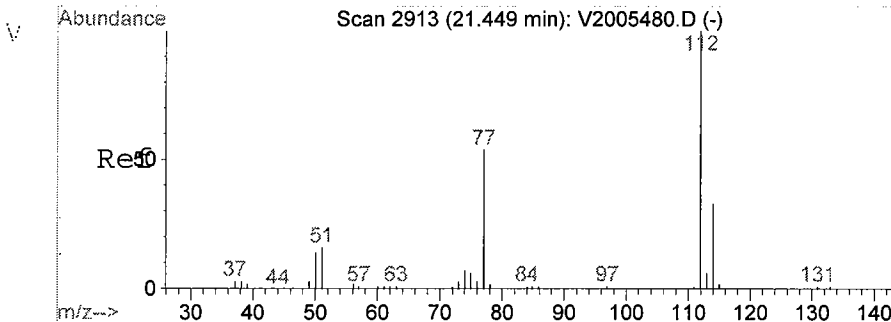
Tgt Ion:	98	Resp:	144725
Ion	Ratio	Lower	Upper
98	100		
98	100.0	80.0	120.0
100	66.0	53.7	80.5
70	10.3	8.0	12.0



#37
Tetrachloroethylene
Concen: 22.88 ppb
RT: 19.75 min Scan# 2631
Delta R.T. -0.00 min
Lab File: V2005655.D
Acq: 24 Aug 2005 10:48 pm

Tgt Ion:	166	Resp:	61362
Ion	Ratio	Lower	Upper
166	100		
166	100.0	80.0	120.0
164	77.0	0.0	0.0#
129	69.9	56.6	85.0





#41
Chlorobenzene
Concen: 7.77 ppb
RT: 21.45 min Scan# 2914
Delta R.T. 0.00 min
Lab File: V2005655.D
Acq: 24 Aug 2005 10:48 pm

Tgt Ion:	112	Resp:	50516
Ion	Ratio	Lower	Upper
112	100		
112	100.0	80.0	120.0
114	31.9	25.4	38.0
77	0.0	0.0	0.0

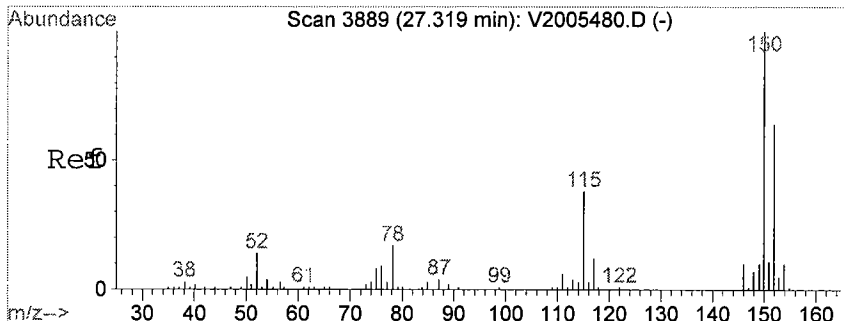
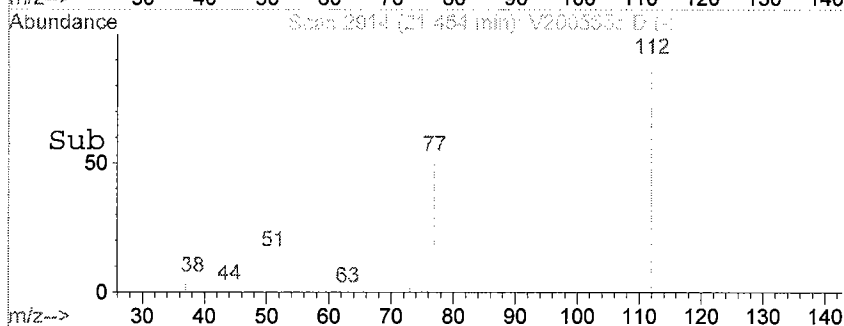
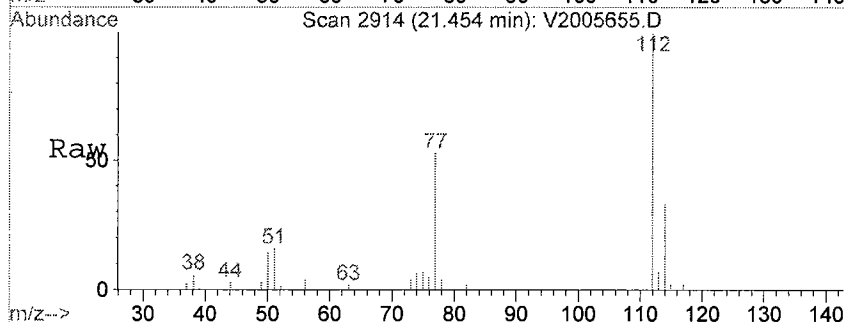
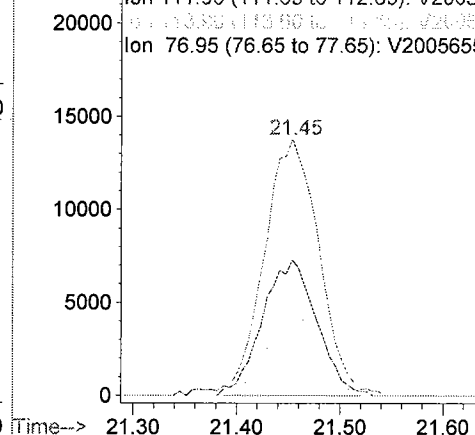
Abundance

Ion 111.95 (111.65 to 112.65): V20056

Ion 111.95 (111.65 to 112.65): V20056

Ion 113.95 (113.65 to 114.65): V20056

Ion 76.95 (76.65 to 77.65): V2005655.



#47
1,2-DICHLOROBEZENE-d4 (ISTD)
Concen: 50.00 ppb
RT: 27.32 min Scan# 3889
Delta R.T. 0.00 min
Lab File: V2005655.D
Acq: 24 Aug 2005 10:48 pm

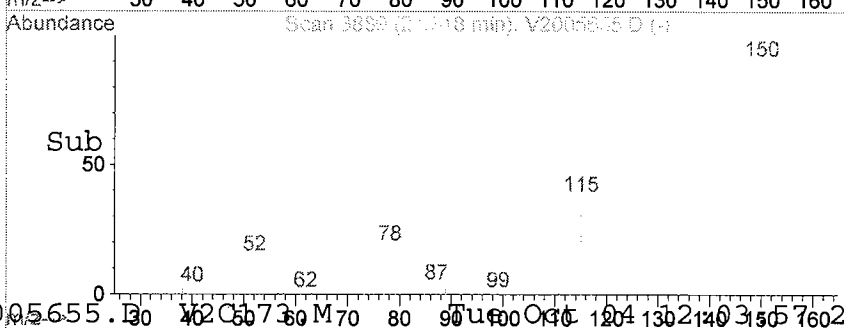
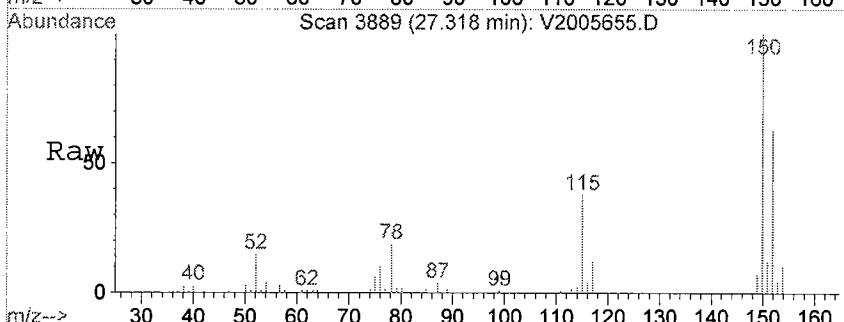
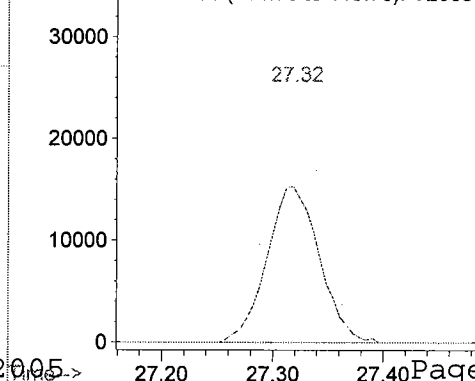
Tgt Ion:	152	Resp:	83269
Ion	Ratio	Lower	Upper
152	100		
152	100.0	80.0	120.0
152	100.0	80.0	120.0
115	0.0	0.0	0.0

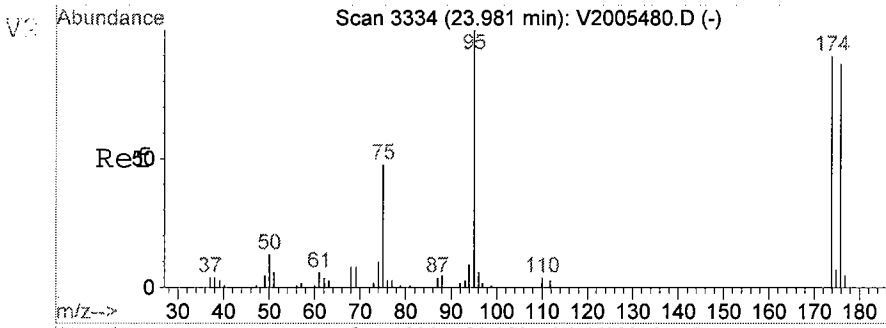
Abundance

Ion 152.00 (151.70 to 152.70): V20056

Ion 152.00 (151.70 to 152.70): V20056

Ion 115.00 (114.70 to 115.70): V20056





#49

p-Bromofluorobenzene (SURR)

Concen: 50.10 ppb

RT: 23.98 min Scan# 3334

Delta R.T. 0.00 min

Lab File: V2005655.D

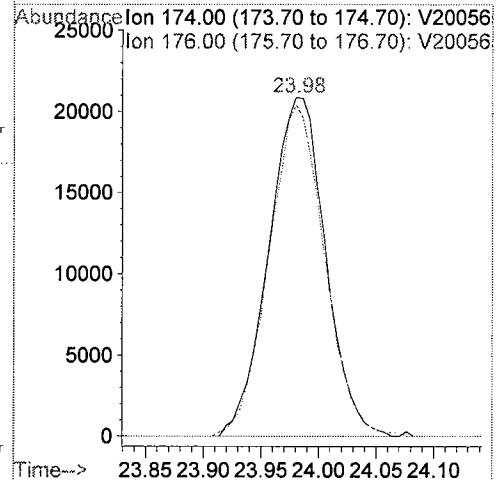
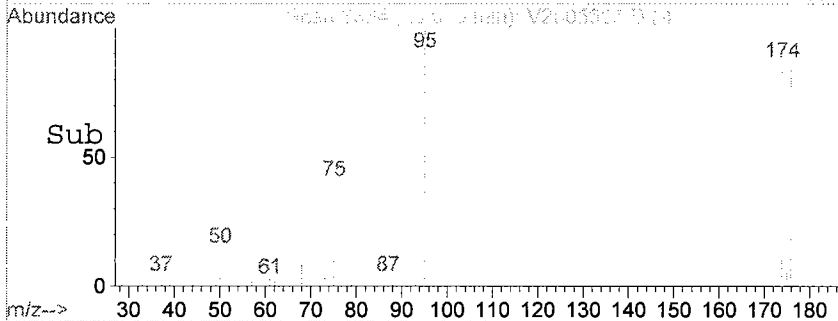
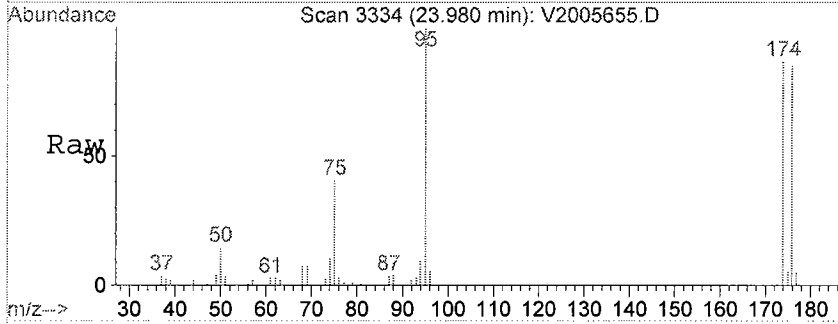
Acq: 24 Aug 2005 10:48 pm

Tgt Ion: 174 Resp: 71459

Ion Ratio Lower Upper

174 100

176 95.5 75.6 113.4



Client Sample ID

WC-1 (35-40')

Sample Amount: SOIL=1.0g/WATER=5.0ml

Date Collected: 8/15/05

Sample Type: **WATER**

Matrix: WATER

Date Received: 8/17/05

Dilution Factor: 1.00

Date Analyzed: 8/24/05

SDG: 05080545-11

Level: **LOW**

Lab ID: 05080545-11

Lab File ID: V2005655.D

CONCENTRATION

UNITS:

ug/L

DRY

[illegible]

LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\V2005655.D Vial: 13
 Acq On : 24 Aug 2005 10:48 pm Operator: SS
 Sample : 05080545-11 \$8260W/VOATICW RE ASPB Inst : VOA No. 2
 Misc : QBV2082405A Multiplr: 1.00
 MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 0.5 % of largest Peak
 Start Thrs: 0.001 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

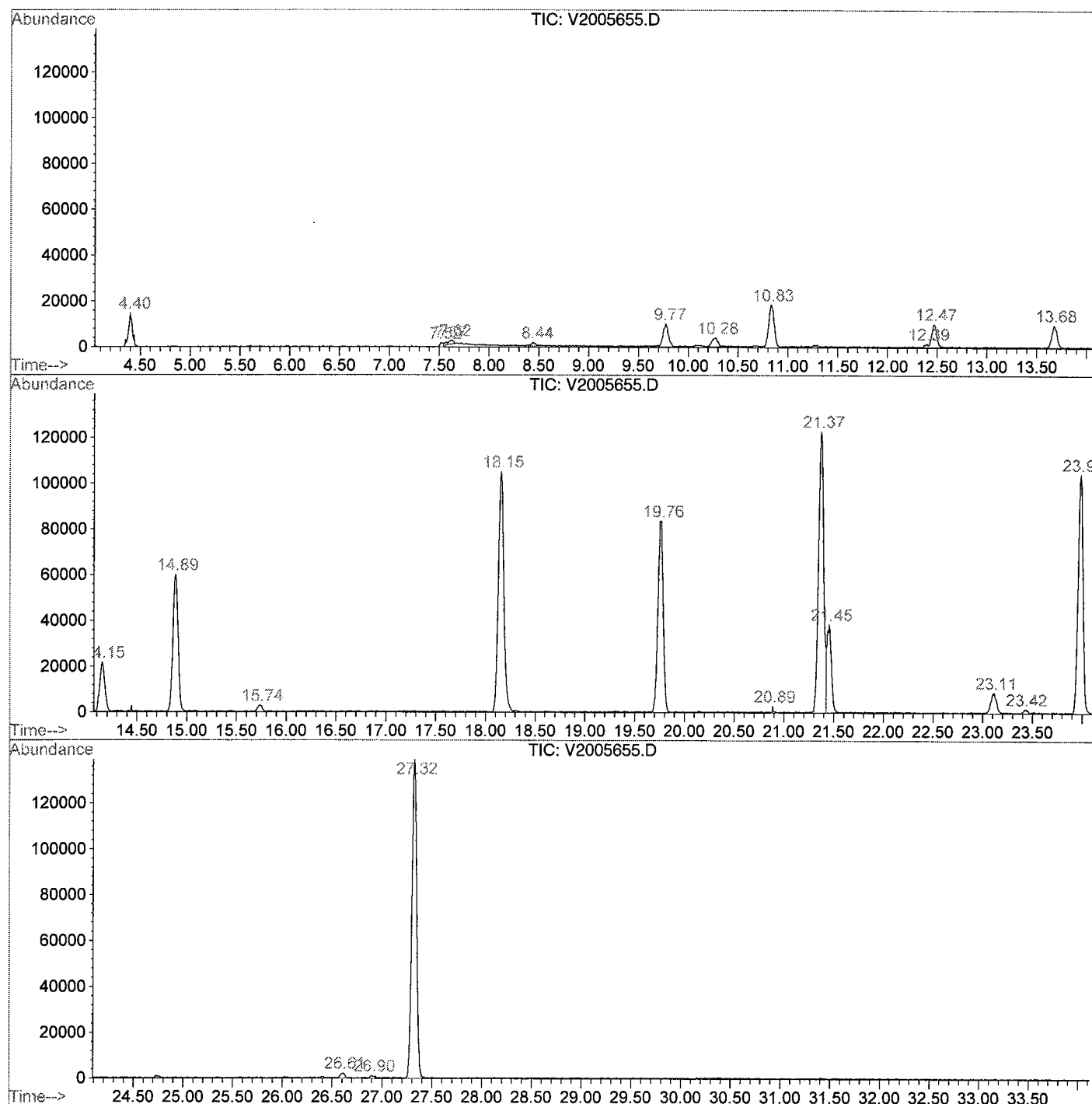
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	4.399	49	62	76	rBB	14796	39461	8.48%	1.452%
2	7.517	593	597	601	rBV	1825	3808	0.82%	0.140%
3	7.571	601	606	608	rVV	1683	2674	0.57%	0.098%
4	7.619	608	614	621	rVB3	1642	5070	1.09%	0.187%
5	8.443	743	751	763	rVB2	1442	4118	0.89%	0.152%
6	9.772	961	972	988	rVB2	9992	36922	7.93%	1.359%
7	10.277	1041	1056	1068	rBV4	3879	16382	3.52%	0.603%
8	10.831	1132	1148	1162	rVB2	18690	72638	15.61%	2.673%
9	12.395	1401	1408	1410	rBV3	1476	3084	0.66%	0.114%
10	12.467	1410	1420	1439	rVB3	10089	36131	7.76%	1.330%
11	13.676	1607	1621	1635	rBV3	9732	35449	7.62%	1.305%
12	14.151	1687	1700	1717	rVB2	21670	74908	16.10%	2.757%
13	14.885	1809	1822	1840	rVV	59996	219397	47.15%	8.075%
14	15.739	1954	1964	1974	rVV5	3089	10527	2.26%	0.387%
15	18.151	2349	2365	2389	rBV	105010	403620	86.74%	14.855%
16	19.763	2618	2633	2653	rBV3	83689	310532	66.74%	11.429%
17	20.888	2817	2820	2830	rBB	2867	2430	0.52%	0.089%
18	21.369	2886	2900	2909	rBV3	122934	452539	97.26%	16.655%
19	21.454	2909	2914	2930	rVB2	38475	119759	25.74%	4.408%
20	23.114	3176	3190	3206	rBV3	8961	35527	7.64%	1.308%
21	23.421	3233	3241	3250	rBV3	1733	5147	1.11%	0.189%
22	23.980	3317	3334	3358	rVB2	104370	352154	75.68%	12.961%
23	26.609	3763	3771	3778	rVB3	2418	6712	1.44%	0.247%
24	26.903	3814	3820	3824	rBV	1252	2810	0.60%	0.103%
25	27.318	3874	3889	3904	rBV	138985	465307	100.00%	17.125%

000203

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\V2005655.D
 Operator : SS
 Acquired : 24 Aug 2005 10:48 pm using AcqMethod V2C173
 Instrument : VOA No. 2
 Sample Name: 05080545-11 \$8260W/VOATICW RE ASPB
 Misc Info : QBV2082405A
 Vial Number: 13
 Quant File :V2C173.RES (RTE Integrator)



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\V2005655.D
Acq On : 24 Aug 2005 10:48 pm
Sample : 05080545-11 \$8260W/VOATICW RE ASPB
Misc : QBV2082405A
MS Integration Params: RTEINT.P

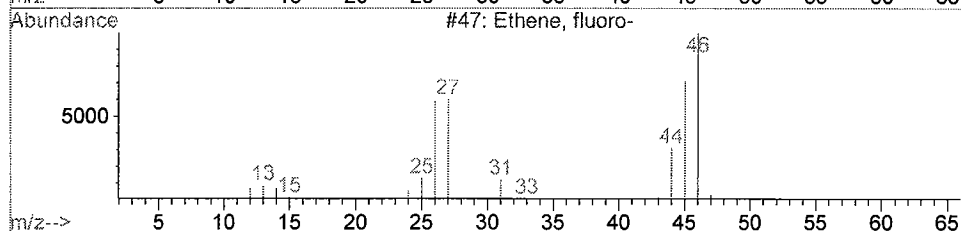
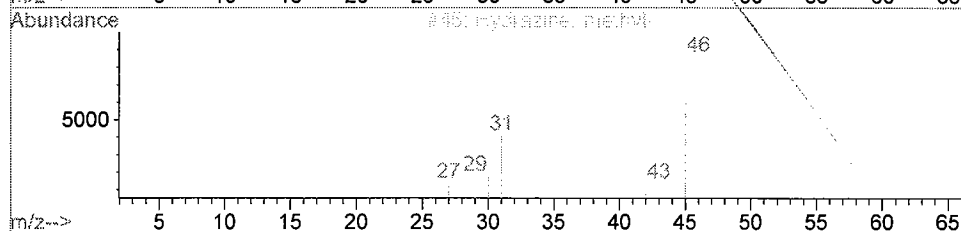
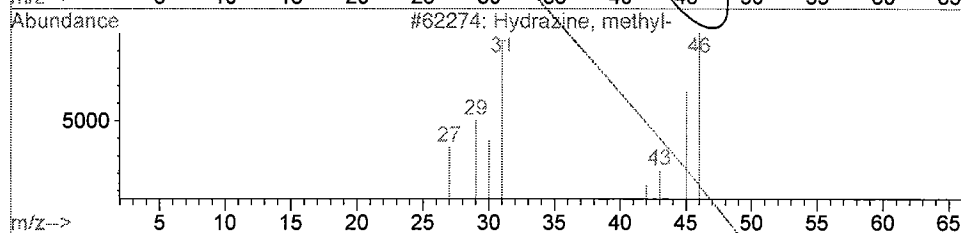
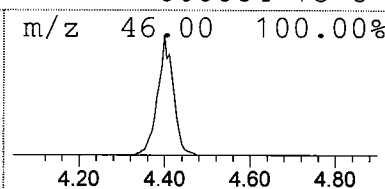
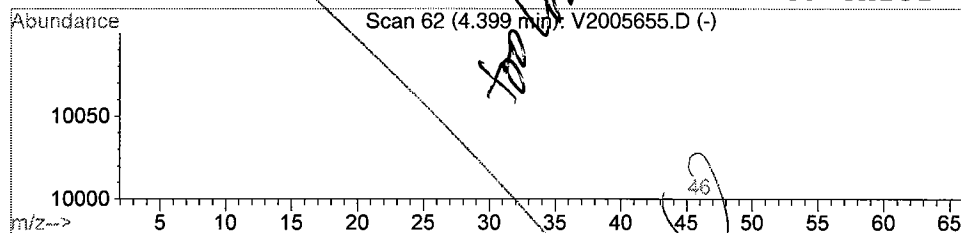
Vial: 13
Operator: SS
Inst : VOA No. 2
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
Title : VOCs BY GC/MS 8240/8260
Library : C:\DATABASE\NBS75K.L

Peak Number 1 Hydrazine, methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.40	8.99 ppb	39461	FLUOROBENZENE (ISTD)	14.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hydrazine, methyl-	46	CH6N2	000060-34-4	3
2		Hydrazine, methyl-	46	CH6N2	000060-34-4	3
3		Ethene, fluoro-	46	C2H3F	000075-02-5	3
4		Formic acid	46	CH2O2	000064-18-6	2



1

2

3

4

5

6

7

8

9

10

11

12

Client Sample ID

WC-1 (50-55')

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

Matrix: WATER

Dilution Factor: 10.0

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

Date Collected: 8/15/05

Date Received: 8/17/05

Date Analyzed: 8/24/05

Level: LOW

Sample Type: WATER

SDG: 05080545

Lab ID: 05080545-12

Lab File ID: V2005656.D

CONCENTRATION
UNITS: ug/L

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
WC-1 (50-55')	05080545-12	Benzene	10 U
WC-1 (50-55')	05080545-12	Bromobenzene	10 U
WC-1 (50-55')	05080545-12	Bromochloromethane	10 U
WC-1 (50-55')	05080545-12	Bromodichloromethane	10 U
WC-1 (50-55')	05080545-12	Bromoform	10 U
WC-1 (50-55')	05080545-12	Bromomethane	10 U
WC-1 (50-55')	05080545-12	n-Butylbenzene	10 U
WC-1 (50-55')	05080545-12	sec-Butylbenzene	10 U
WC-1 (50-55')	05080545-12	tert-Butylbenzene	10 U
WC-1 (50-55')	05080545-12	Carbon tetrachloride	10 U
WC-1 (50-55')	05080545-12	Chlorobenzene	10 U
WC-1 (50-55')	05080545-12	Chloroethane	10 U
WC-1 (50-55')	05080545-12	Chloroform	10 U
WC-1 (50-55')	05080545-12	1-Chlorohexane	10 U
WC-1 (50-55')	05080545-12	Chloromethane	10 U
WC-1 (50-55')	05080545-12	2-Chlorotoluene	10 U
WC-1 (50-55')	05080545-12	4-Chlorotoluene	10 U
WC-1 (50-55')	05080545-12	Dibromochloromethane	10 U
WC-1 (50-55')	05080545-12	1,2-Dibromo-3-chloropropane	10 U
WC-1 (50-55')	05080545-12	1,2-Dibromoethane	10 U
WC-1 (50-55')	05080545-12	Dibromomethane	10 U
WC-1 (50-55')	05080545-12	1,2-Dichlorobenzene	10 U
WC-1 (50-55')	05080545-12	1,3-Dichlorobenzene	10 U
WC-1 (50-55')	05080545-12	1,4-Dichlorobenzene	10 U
WC-1 (50-55')	05080545-12	Dichlorodifluoromethane	10 U
WC-1 (50-55')	05080545-12	1,1-Dichloroethane	10 U
WC-1 (50-55')	05080545-12	1,2-Dichloroethane	10 U
WC-1 (50-55')	05080545-12	1,1-Dichloroethylene	10 U
WC-1 (50-55')	05080545-12	1,2-Dichloroethylene (Total)	32(cis-)
WC-1 (50-55')	05080545-12	1,2-Dichloropropane	10 U
WC-1 (50-55')	05080545-12	1,3-Dichloropropane	10 U
WC-1 (50-55')	05080545-12	2,2-Dichloropropane	10 U
WC-1 (50-55')	05080545-12	1,1-Dichloropropylene	10 U

Client Sample ID

WC-1 (50-55')

CONCENTRATION
UNITS: ug/L

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
WC-1 (50-55')	05080545-12	cis-1,3-Dichloropropylene	10 U
WC-1 (50-55')	05080545-12	trans-1,3-Dichloropropylene	10 U
WC-1 (50-55')	05080545-12	Ethylbenzene	10 U
WC-1 (50-55')	05080545-12	Hexachlorobutadiene	10 U
WC-1 (50-55')	05080545-12	Isopropylbenzene	10 U
WC-1 (50-55')	05080545-12	p-Isopropyltoluene	10 U
WC-1 (50-55')	05080545-12	Methylene chloride	44 B
WC-1 (50-55')	05080545-12	Naphthalene	10 U
WC-1 (50-55')	05080545-12	n-Propylbenzene	10 U
WC-1 (50-55')	05080545-12	Styrene	10 U
WC-1 (50-55')	05080545-12	1,1,1,2-Tetrachloroethane	10 U
WC-1 (50-55')	05080545-12	1,1,2,2-Tetrachloroethane	10 U
WC-1 (50-55')	05080545-12	Tetrachloroethylene	740
WC-1 (50-55')	05080545-12	Toluene	10 U
WC-1 (50-55')	05080545-12	1,2,3-Trichlorobenzene	10 U
WC-1 (50-55')	05080545-12	1,2,4-Trichlorobenzene	10 U
WC-1 (50-55')	05080545-12	1,1,1-Trichloroethane	51
WC-1 (50-55')	05080545-12	1,1,2-Trichloroethane	10 U
WC-1 (50-55')	05080545-12	Trichloroethylene	10 U
WC-1 (50-55')	05080545-12	Trichlorofluoromethane	10 U
WC-1 (50-55')	05080545-12	1,2,3-Trichloropropane	10 U
WC-1 (50-55')	05080545-12	1,2,3-Trimethylbenzene	10 U
WC-1 (50-55')	05080545-12	1,2,4-Trimethylbenzene	10 U
WC-1 (50-55')	05080545-12	1,3,5-Trimethylbenzene	10 U
WC-1 (50-55')	05080545-12	Vinyl chloride	10 U
WC-1 (50-55')	05080545-12	o-Xylene	10 U
WC-1 (50-55')	05080545-12	p- & m-Xylenes	10 U
WC-1 (50-55')	05080545-12	MTBE	10 U

Form 1-VOA

000210

Data File : C:\HPCHEM\1\DATA\V2005656.D

Vial: 14

Acq On : 24 Aug 2005 11:31 pm

Operator: SS

Sample : 05080545-12 \$8260W/VOATICW RE 5ML/50ML A Inst : VOA No. 2

Misc : QBV2082405A

Multiplr: 10.00

MS Integration Params: rteint.p

Quant Time: Oct 4 12:04 19105

Quant Results File: V2C173.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Thu Aug 18 08:08:33 2005

Response via : Initial Calibration

DataAcq Meth : V2C173

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.91	70	24047	50.00	ppb	0.02
25) CHLOROBENZENE-d5(ISTD)	21.38	117	169343	50.00	ppb	0.01
47) 1,2-DICHLOROBENZENE-d4(IST	27.33	152	83235	50.00	ppb	0.01

System Monitoring Compounds

21) d4-1,2-Dichloroethane(SURR	14.17	65	26480	48.38	ppb	0.02
Spiked Amount	50.000	Range	37 - 128	Recovery	=	96.76%
32) Toluene-d8(SURR)	18.16	98	141659	47.55	ppb	0.01
Spiked Amount	50.000	Range	40 - 61	Recovery	=	95.10%#
49) p-Bromofluorobenzene(SURR)	23.99	174	69346	48.63	ppb	0.01
Spiked Amount	50.000	Range	39 - 68	Recovery	=	97.26%#

Target Compounds

						Qvalue
11) Methylene Chloride	9.79	49	14495	44.22	ppb	# 97
15) cis-1,2-Dichloroethylene	12.47	96	7987	31.81	ppb	# 95
19) 1,1,1-Trichloroethane	13.70	97	14984	51.44	ppb	# 99
37) Tetrachloroethylene	19.77	166	197625	742.29	ppb	# 64

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

V2005656.D V2C173.M Tue Oct 04 12:05:35 2005

000211

Page 1

Data File : C:\HPCHEM\1\DATA\V2005656.D

Vial: 14

Acq On : 24 Aug 2005 11:31 pm

Operator: SS

Sample : 05080545-12 \$8260W/VOAT1CW RE 5ML/50ML A Inst : VOA No. 2

Misc : QBV2082405A

Multiplr: 10.00

MS Integration Params: rteint.p

Quant Time: Oct 4 12:04 19105

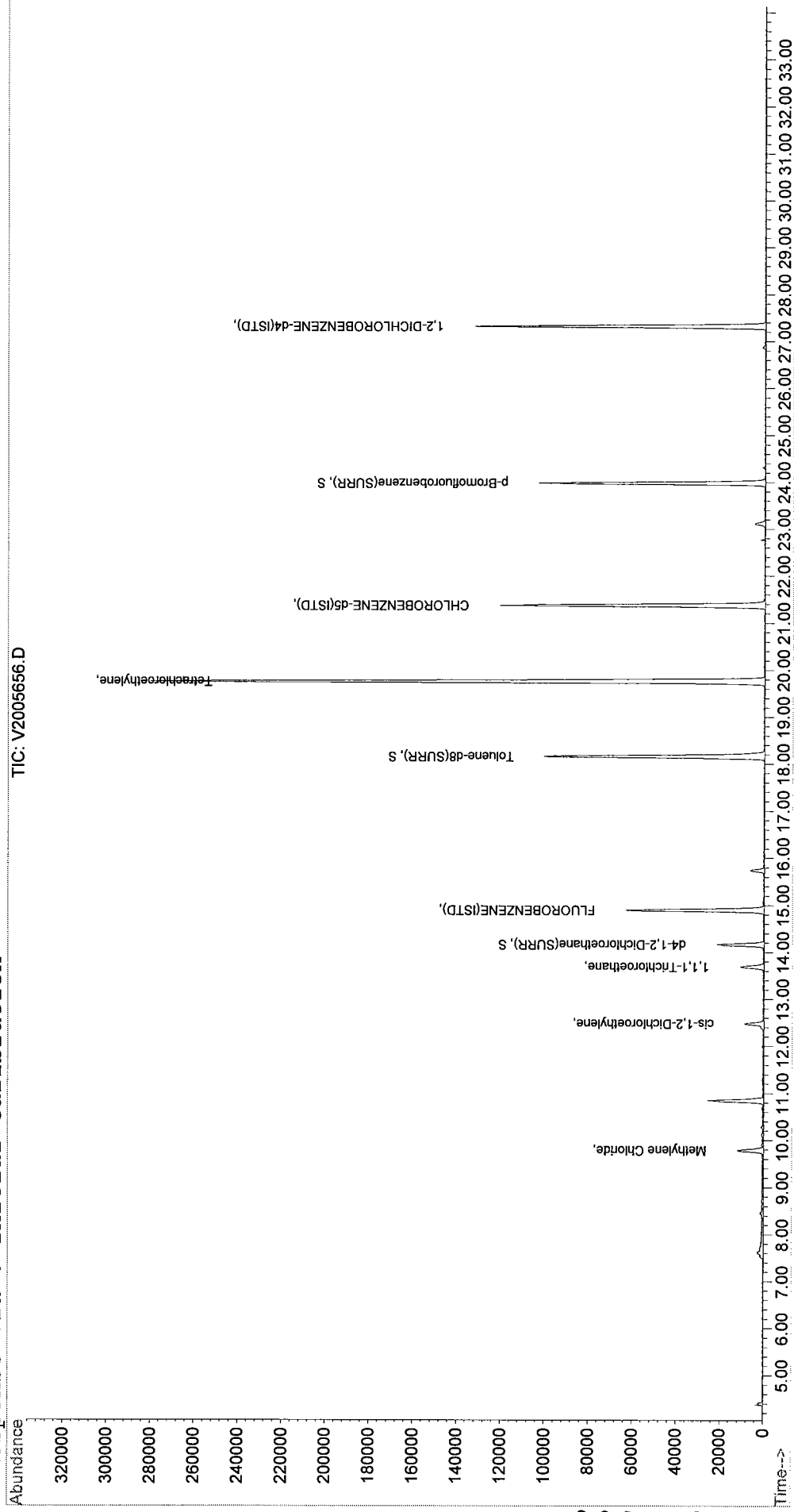
Quant Results File: V2C173.RES

Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

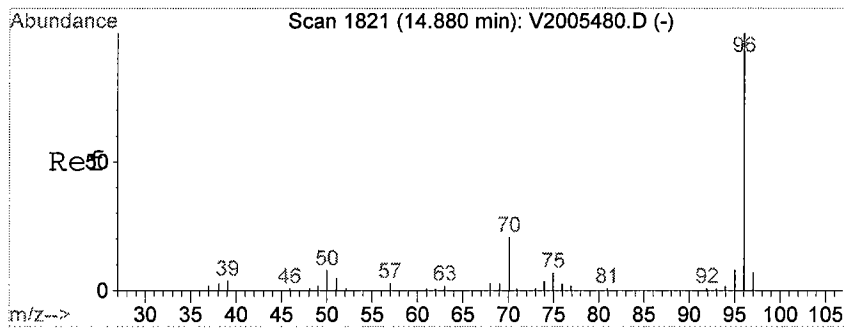
Title : VOCs BY GC/MS 8240/8260

Last Update : Thu Aug 18 08:08:33 2005

Response via : Initial Calibration

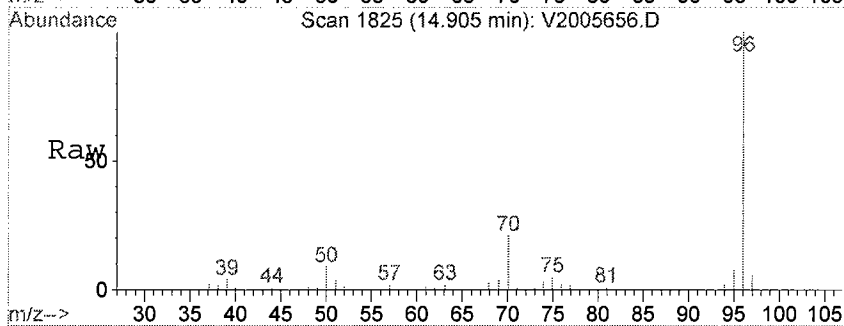


000212



#1
 FLUOROBENZENE (ISTD)
 Concen: 50.00 ppb
 RT: 14.91 min Scan# 1825
 Delta R.T. 0.02 min
 Lab File: V2005656.D
 Acq: 24 Aug 2005 11:31 pm

Tgt Ion	Ratio	Lower	Upper
70	100		
96	494.1	404.2	606.2
70	100.0	80.0	120.0
50	43.2	34.5	51.7



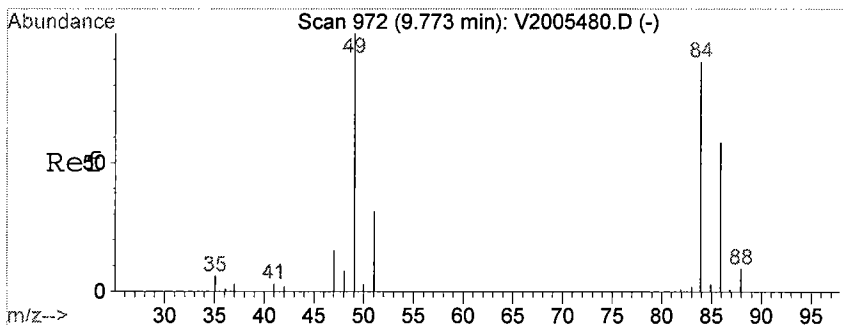
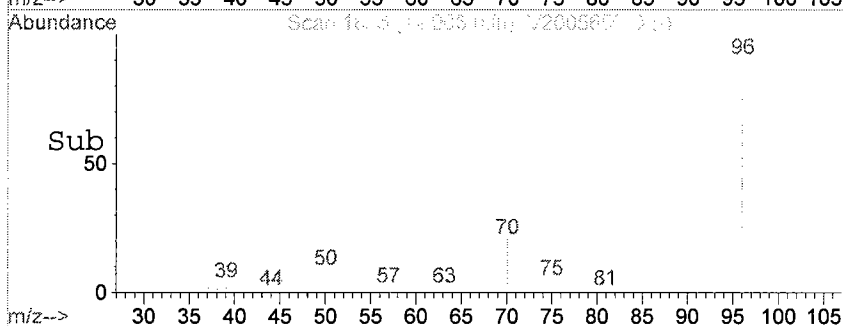
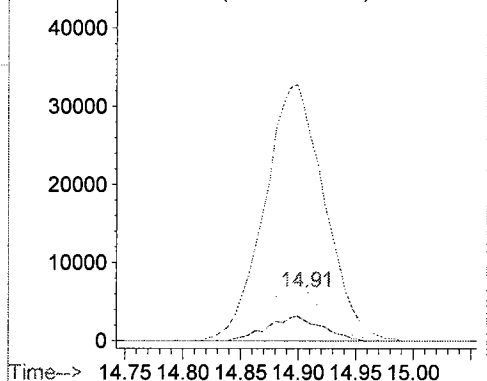
Abundance

Ion 70.00 (69.70 to 70.70): V2005656

Ion 96.00 (95.70 to 96.70): V2005656

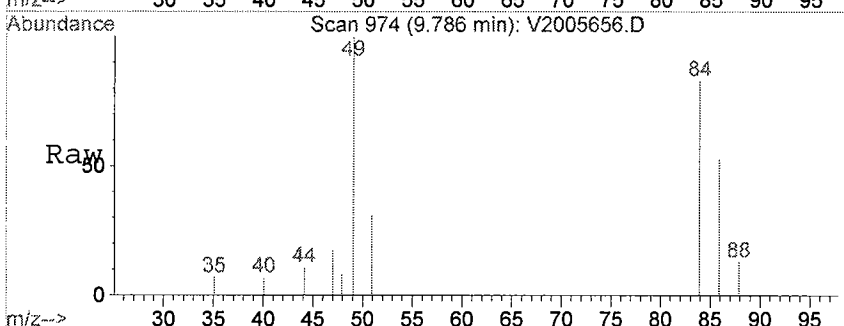
Ion 70.00 (69.70 to 70.70): V2005656

Ion 50.00 (49.70 to 50.70): V2005656



#11
 Methylene Chloride
 Concen: 44.22 ppb
 RT: 9.79 min Scan# 974
 Delta R.T. 0.02 min
 Lab File: V2005656.D
 Acq: 24 Aug 2005 11:31 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
49	100.0	80.0	120.0
84	84.6	71.8	107.8
86	57.6	0.0	0.0



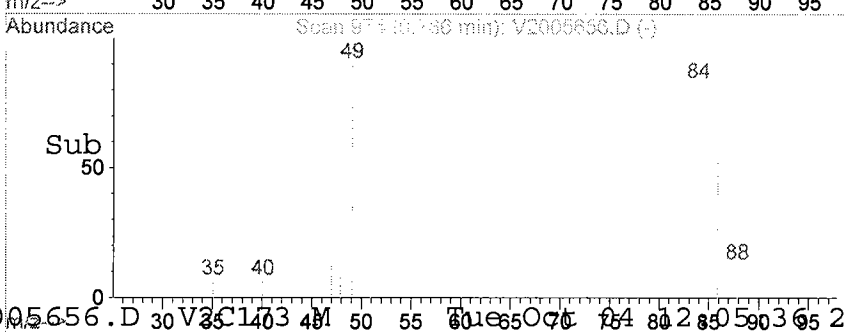
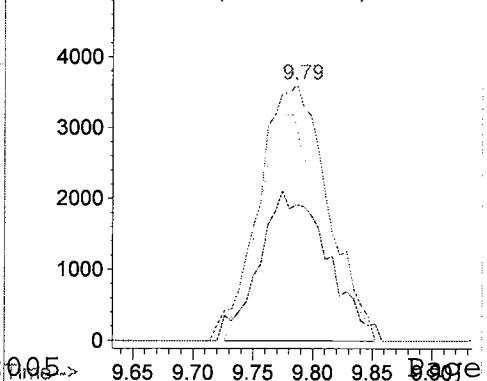
Abundance

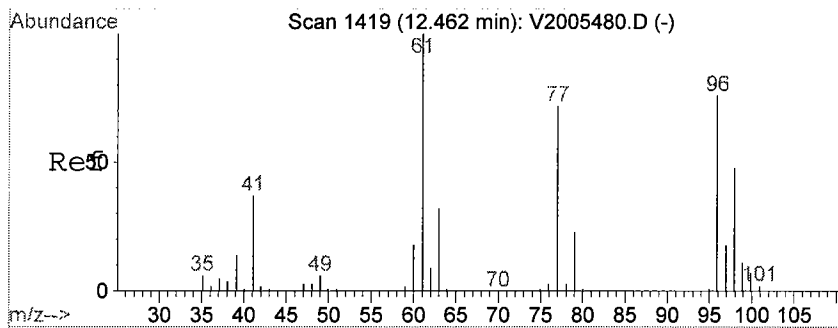
Ion 48.95 (48.65 to 49.65): V2005656

Ion 48.95 (48.65 to 49.65): V2005656

Ion 84.95 (83.65 to 84.65): V2005656

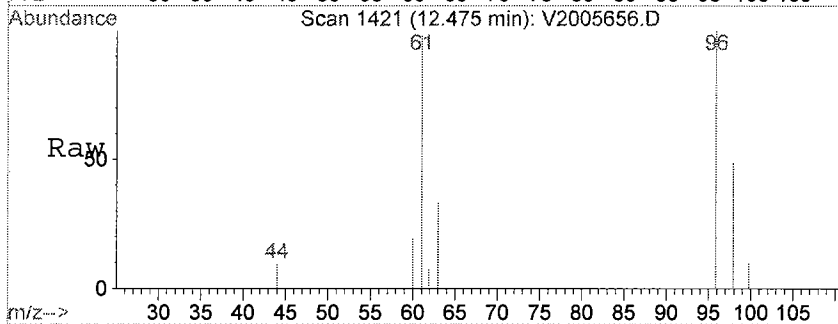
Ion 85.90 (85.60 to 86.60): V2005656





#15
 cis-1,2-Dichloroethylene
 Concen: 31.81 ppb
 RT: 12.47 min Scan# 1421
 Delta R.T. 0.01 min
 Lab File: V2005656.D
 Acq: 24 Aug 2005 11:31 pm

Tgt Ion	Ratio	Lower	Upper
96	100		
96	100.0	80.0	120.0
98	65.2	0.0	0.0#
61	128.5	111.0	166.4



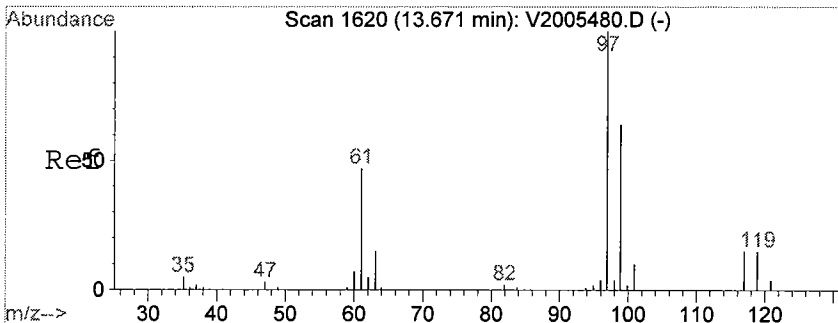
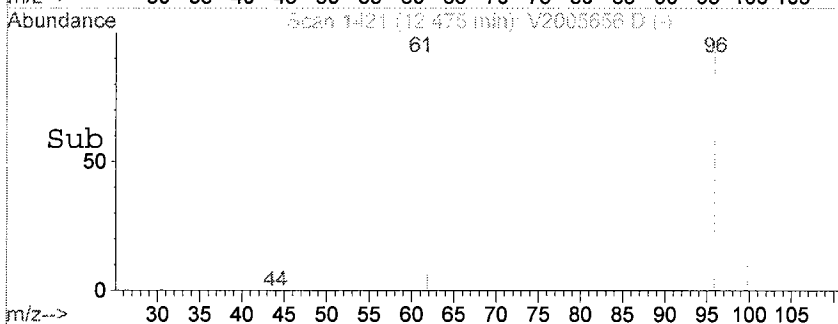
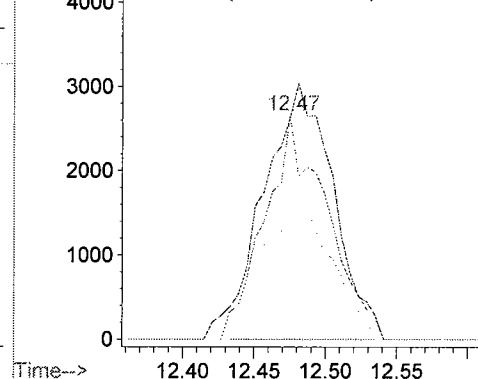
Abundance

Ion 95.95 (95.65 to 96.65): V2005656.

Ion 95.95 (95.65 to 96.65): V2005656.

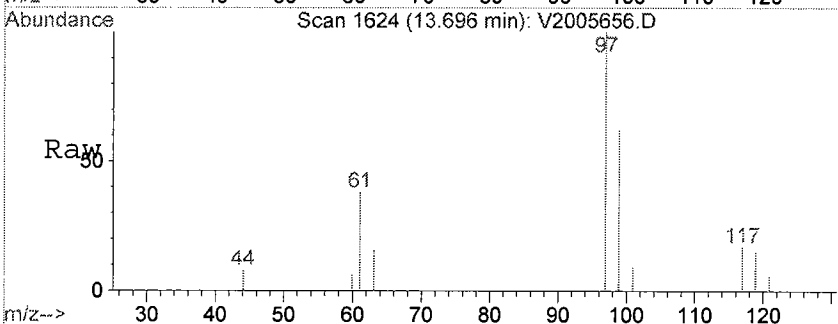
Ion 97.95 (97.65 to 98.65): V2005656.

Ion 61.00 (60.70 to 61.70): V2005656.



#19
 1,1,1-Trichloroethane
 Concen: 51.44 ppb
 RT: 13.70 min Scan# 1624
 Delta R.T. 0.02 min
 Lab File: V2005656.D
 Acq: 24 Aug 2005 11:31 pm

Tgt Ion	Ratio	Lower	Upper
97	100		
97	100.0	80.0	120.0
99	64.1	52.3	78.5
117	13.2	12.4	18.6



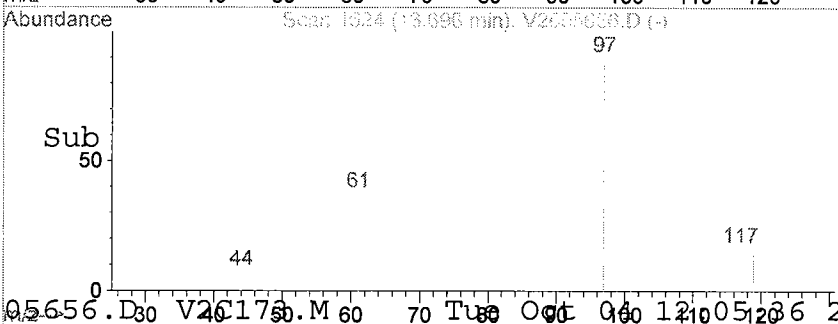
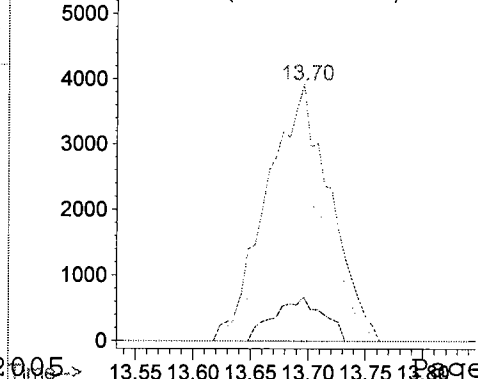
Abundance

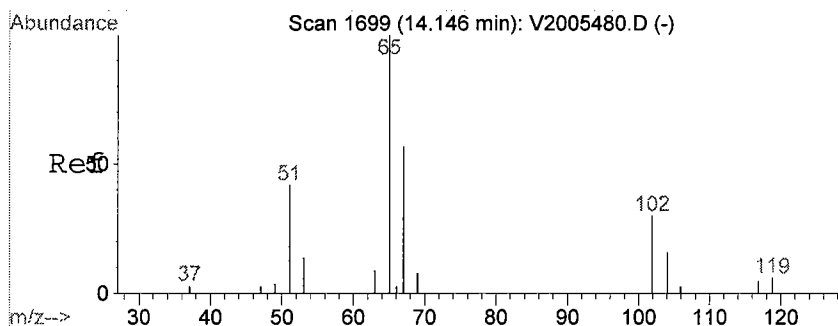
Ion 96.95 (96.65 to 97.65): V2005656.

Ion 96.95 (96.65 to 97.65): V2005656.

Ion 98.90 (98.60 to 99.60): V2005656.

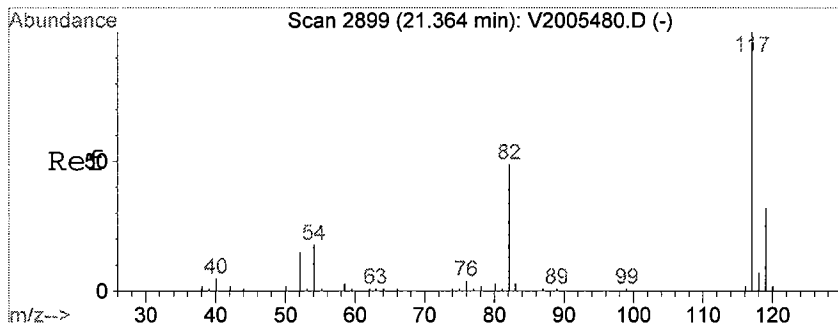
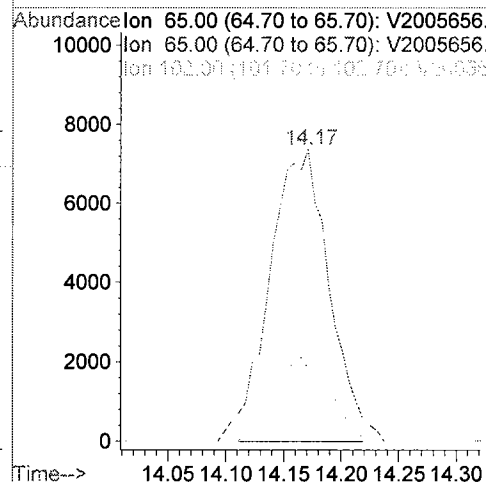
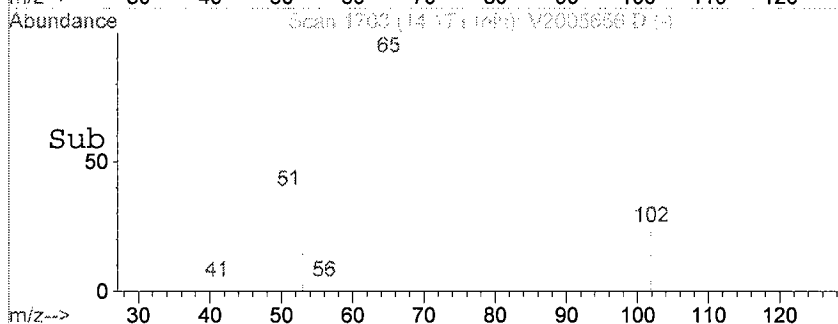
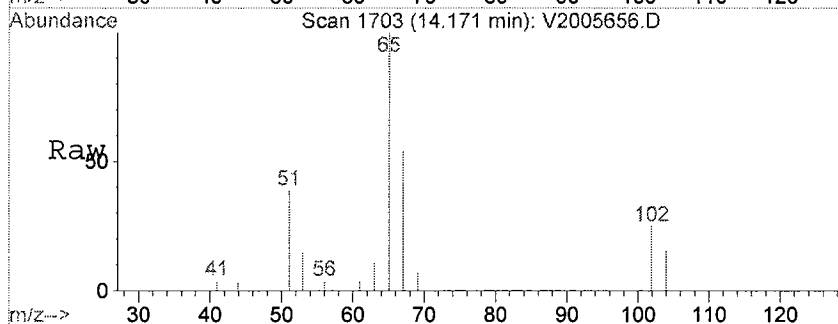
Ion 117.00 (116.70 to 117.70): V2005656.





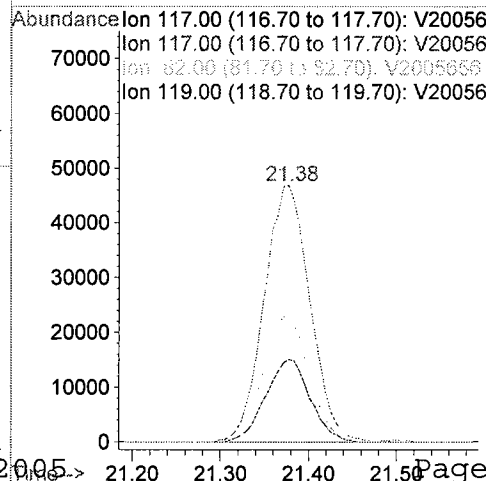
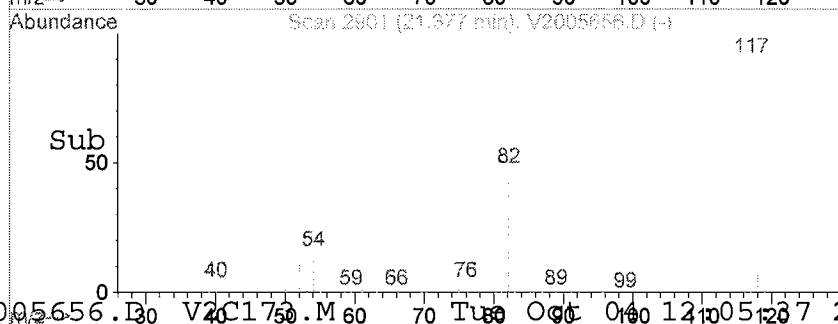
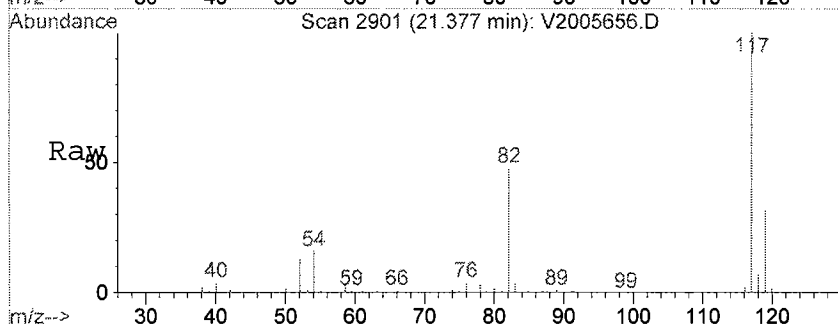
#21
 d4-1,2-Dichloroethane (SURR)
 Concen: 48.38 ppb
 RT: 14.17 min Scan# 1703
 Delta R.T. 0.02 min
 Lab File: V2005656.D
 Acq: 24 Aug 2005 11:31 pm

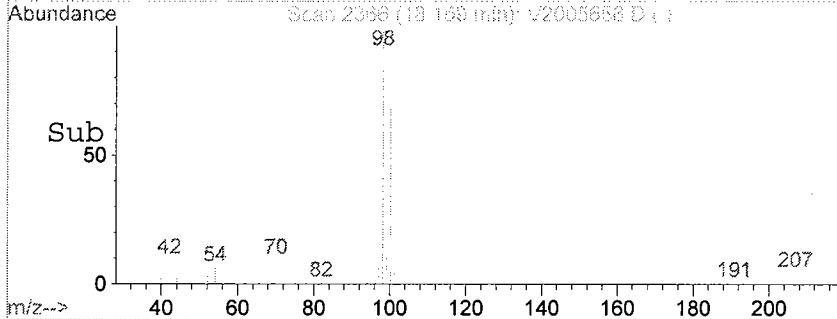
Tgt Ion	Ratio	Lower	Upper
65	100		
65	100.0	80.0	120.0
102	26.9	21.4	32.2



#25
 CHLOROBENZENE-d5 (ISTD)
 Concen: 50.00 ppb
 RT: 21.38 min Scan# 2901
 Delta R.T. 0.01 min
 Lab File: V2005656.D
 Acq: 24 Aug 2005 11:31 pm

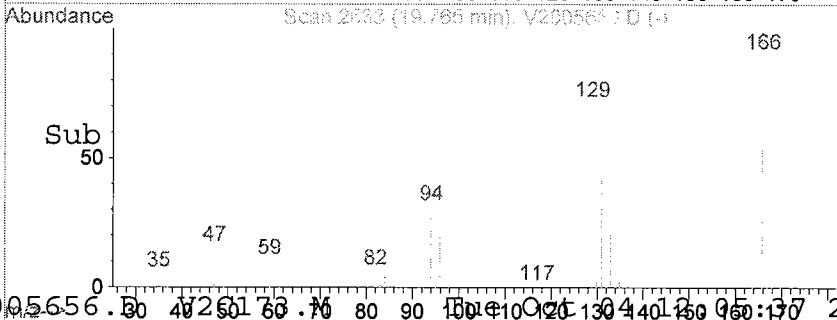
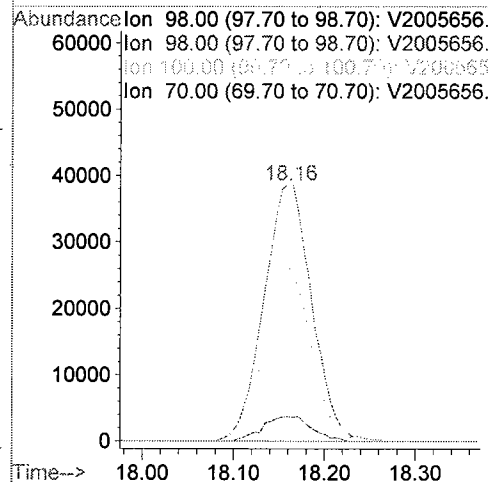
Tgt Ion	Ratio	Lower	Upper
117	100		
117	100.0	80.0	120.0
82	0.0	0.0	0.0
119	31.2	24.6	37.0





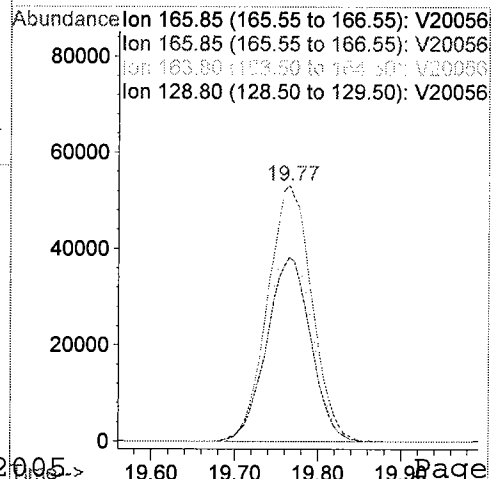
```
#32
Toluene-d8(SURR)
Concen: 47.55 ppb
RT: 18.16 min   Scan# 2366
Delta R.T.    0.01 min
Lab File:     V2005656.D
Acq: 24 Aug 2005  11:31 pm
```

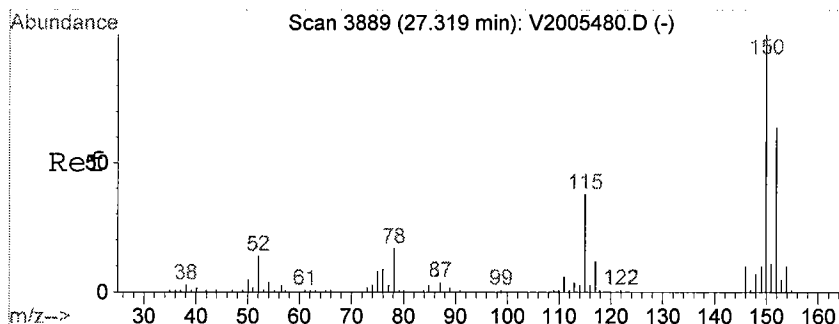
Tgt	Ion: 98	Resp:	141659
Ion	Ratio	Lower	Upper
98	100		
98	100.0	80.0	120.0
100	67.3	53.7	80.5
70	0.0	8.0	12.0#



#37
Tetrachloroethylene
Concen: 742.29 ppb
RT: 19.77 min Scan# 2633
Delta R.T. 0.01 min
Lab File: V2005656.D
Acq: 24 Aug 2005 11:31 pm

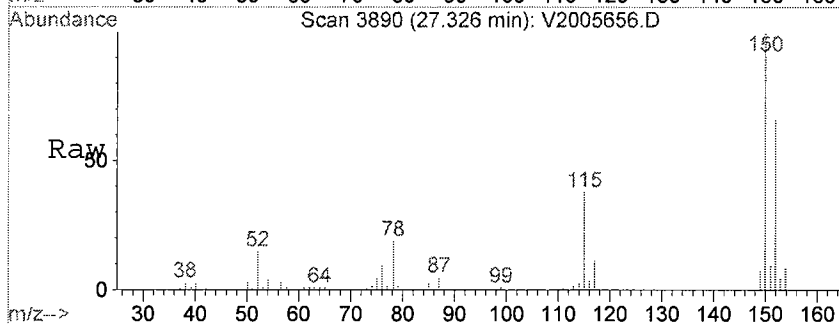
Tgt	Ion:166	Resp:	197625
Ion	Ratio	Lower	Upper
166	100		
166	100.0	80.0	120.0
164	0.0	0.0	0.0
129	0.0	56.6	85.0#





#47
 1,2-DICHLOROBENZENE-d4 (ISTD)
 Concen: 50.00 ppb
 RT: 27.33 min Scan# 3890
 Delta R.T. 0.01 min
 Lab File: V2005656.D
 Acq: 24 Aug 2005 11:31 pm

Tgt 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



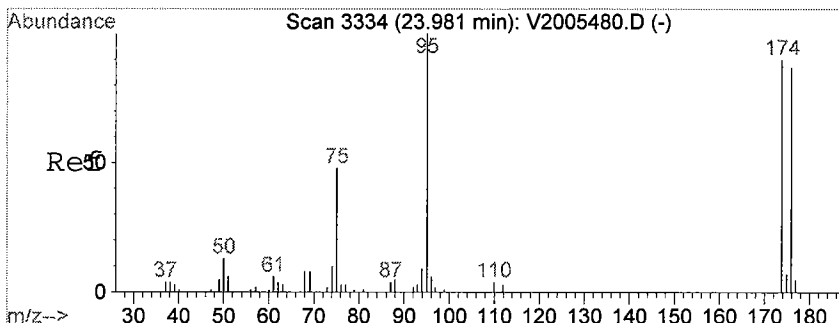
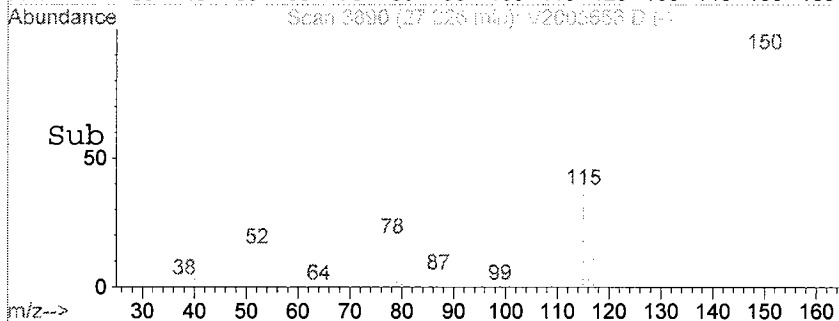
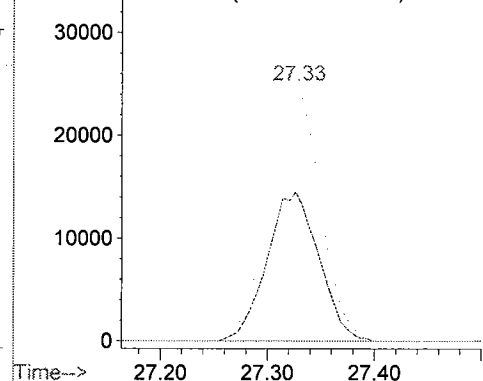
Abundance

Ion 152.00 (151.70 to 152.70): V20056

Ion 152.00 (151.70 to 152.70): V20056

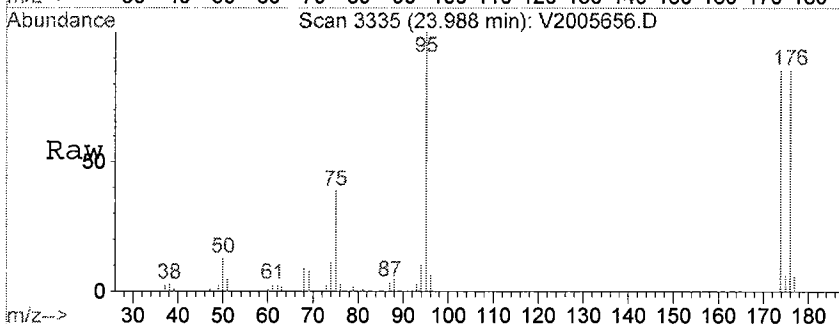
Ion 152.00 (151.70 to 152.70): V20056

Ion 115.00 (114.70 to 115.70): V20056



#49
 p-Bromofluorobenzene (SURR)
 Concen: 48.63 ppb
 RT: 23.99 min Scan# 3335
 Delta R.T. 0.01 min
 Lab File: V2005656.D
 Acq: 24 Aug 2005 11:31 pm

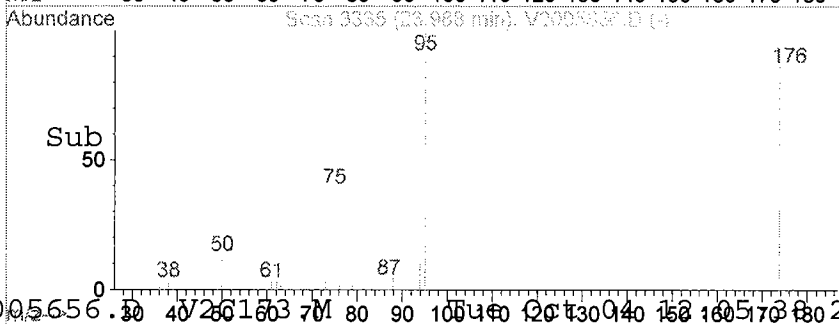
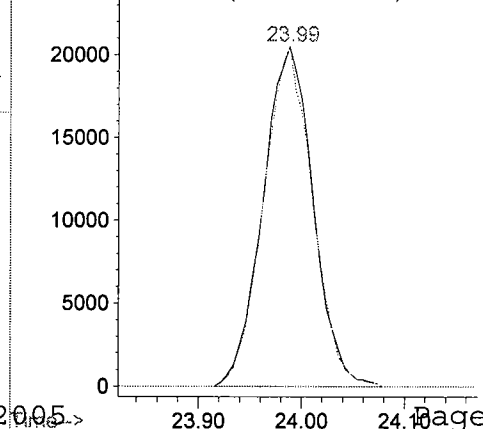
Tgt Ion	Ratio	Lower	Upper
174	100		
176	97.4	75.6	113.4



Abundance

Ion 174.00 (173.70 to 174.70): V20056

Ion 176.00 (175.70 to 176.70): V20056



WC-1 (50-55')

Sample Amount:	SOIL=1.0g/WATER=5.0ml	Date Collected:	8/15/05	Sample Type:	WATER
Matrix:	WATER	Date Received:	8/17/05		
Dilution Factor:	10.00	Date Analyzed:	8/24/05	SDG:	05080545-12
		Level:	LOW	Lab ID:	05080545-12
				Lab File ID:	V2005656.D

CONCENTRATION
UNITS: **ug/L** **DRY**

[illegible]

LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\V2005656.D Vial: 14
Acq On : 24 Aug 2005 11:31 pm Operator: SS
Sample : 05080545-12 \$8260W/VOATICW RE 5ML/50ML A Inst : VOA No. 2
Misc : QBV2082405A Multiplr: 10.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
Title : VOCs BY GC/MS 8240/8260
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.5 % of largest Peak
Start Thrs: 0.001 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	9.786	961	974	988	rVB3	11697	45459	4.42%	1.418%
2	10.851	1131	1151	1164	rVB2	25419	94602	9.20%	2.952%
3	12.481	1396	1422	1433	rBV3	8690	34671	3.37%	1.082%
4	13.690	1609	1623	1637	rVB3	10722	41073	3.99%	1.282%
5	14.165	1690	1702	1715	rBV3	21851	77188	7.51%	2.408%
6	14.899	1808	1824	1840	rVB2	62826	224708	21.86%	7.011%
7	15.741	1954	1964	1974	rBV3	6229	21361	2.08%	0.666%
8	18.159	2350	2366	2391	rVB2	100255	389067	37.84%	12.139%
9	19.765	2616	2633	2650	rBV2	279919	1028157	100.00%	32.079%
10	21.377	2883	2901	2920	rBV2	120736	429917	41.81%	13.414%
11	23.110	3175	3189	3204	rVB4	4894	19874	1.93%	0.620%
12	23.988	3321	3335	3350	rVB2	103317	344284	33.49%	10.742%
13	27.326	3876	3890	3907	rVB2	132713	454706	44.23%	14.187%

Sum of corrected areas: 3205067

V2005656.D V2C173.M Thu Aug 25 09:24:41 2005

000219

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

Date Collected: 8/15/05

Sample Type: WATER

Matrix: WATER

Date Received: 8/17/05

SDG: 05080545

Dilution Factor: 1.0

Date Analyzed: 8/24/05

Lab ID: 05080545-13

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

Level: LOW

Lab File ID: V2005629.D

CONCENTRATION
UNITS: ug/L

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
MW-2	05080545-13	Benzene	1 U
MW-2	05080545-13	Bromobenzene	1 U
MW-2	05080545-13	Bromochloromethane	1 U
MW-2	05080545-13	Bromodichloromethane	1 U
MW-2	05080545-13	Bromoform	1 U
MW-2	05080545-13	Bromomethane	1 U
MW-2	05080545-13	n-Butylbenzene	1 U
MW-2	05080545-13	sec-Butylbenzene	1 U
MW-2	05080545-13	tert-Butylbenzene	1 U
MW-2	05080545-13	Carbon tetrachloride	1 U
MW-2	05080545-13	Chlorobenzene	1 U
MW-2	05080545-13	Chloroethane	1 U
MW-2	05080545-13	Chloroform	1 U
MW-2	05080545-13	1-Chlorohexane	1 U
MW-2	05080545-13	Chloromethane	1 U
MW-2	05080545-13	2-Chlorotoluene	1 U
MW-2	05080545-13	4-Chlorotoluene	1 U
MW-2	05080545-13	Dibromochloromethane	1 U
MW-2	05080545-13	1,2-Dibromo-3-chloropropane	1 U
MW-2	05080545-13	1,2-Dibromoethane	1 U
MW-2	05080545-13	Dibromomethane	1 U
MW-2	05080545-13	1,2-Dichlorobenzene	1 U
MW-2	05080545-13	1,3-Dichlorobenzene	1 U
MW-2	05080545-13	1,4-Dichlorobenzene	1 U
MW-2	05080545-13	Dichlorodifluoromethane	1 U
MW-2	05080545-13	1,1-Dichloroethane	1 U
MW-2	05080545-13	1,2-Dichloroethane	1 U
MW-2	05080545-13	1,1-Dichloroethylene	1 U
MW-2	05080545-13	1,2-Dichloroethylene (Total)	1 U
MW-2	05080545-13	1,2-Dichloropropane	1 U
MW-2	05080545-13	1,3-Dichloropropane	1 U
MW-2	05080545-13	2,2-Dichloropropane	1 U
MW-2	05080545-13	1,1-Dichloropropylene	1 U

Client Sample ID

MW-2

CONCENTRATION

UNITS: ug/L

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
MW-2	05080545-13	cis-1,3-Dichloropropylene	1 U
MW-2	05080545-13	trans-1,3-Dichloropropylene	1 U
MW-2	05080545-13	Ethylbenzene	1 U
MW-2	05080545-13	Hexachlorobutadiene	1 U
MW-2	05080545-13	Isopropylbenzene	1 U
MW-2	05080545-13	p-Isopropyltoluene	1 U
MW-2	05080545-13	Methylene chloride	3 B
MW-2	05080545-13	Naphthalene	1 U
MW-2	05080545-13	n-Propylbenzene	1 U
MW-2	05080545-13	Styrene	1 U
MW-2	05080545-13	1,1,1,2-Tetrachloroethane	1 U
MW-2	05080545-13	1,1,2,2-Tetrachloroethane	1 U
MW-2	05080545-13	Tetrachloroethylene	4
MW-2	05080545-13	Toluene	1 U
MW-2	05080545-13	1,2,3-Trichlorobenzene	1 U
MW-2	05080545-13	1,2,4-Trichlorobenzene	1 U
MW-2	05080545-13	1,1,1-Trichloroethane	1 U
MW-2	05080545-13	1,1,2-Trichloroethane	1 U
MW-2	05080545-13	Trichloroethylene	1 U
MW-2	05080545-13	Trichlorofluoromethane	1 U
MW-2	05080545-13	1,2,3-Trichloropropane	1 U
MW-2	05080545-13	1,2,3-Trimethylbenzene	1 U
MW-2	05080545-13	1,2,4-Trimethylbenzene	1 U
MW-2	05080545-13	1,3,5-Trimethylbenzene	1 U
MW-2	05080545-13	Vinyl chloride	1 U
MW-2	05080545-13	o-Xylene	1 U
MW-2	05080545-13	p- & m-Xylenes	1 U
MW-2	05080545-13	MTBE	1 U

Form 1-VOA

000224

Data File : C:\HPCHEM\1\DATA\V2005629.D

Vial: 22

Acq On : 24 Aug 2005 4:44 am

Operator: SS

Sample : 05080545-13 \$8260W/VOATICW ASPB

Inst : VOA No. 2

Misc : QBV2082305B

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Oct 4 12:20 19105

Quant Results File: V2C173.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Thu Aug 18 08:08:33 2005

Response via : Initial Calibration

DataAcq Meth : V2C173

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.96	70	22454	50.00	ppb	0.08
25) CHLOROBENZENE-d5(ISTD)	21.43	117	165548	50.00	ppb	0.07
47) 1,2-DICHLOROBENZENE-d4(IST	27.37	152	80090	50.00	ppb	0.06

System Monitoring Compounds

21) d4-1,2-Dichloroethane(SURR	14.22	65	25312	49.53	ppb	0.07
Spiked Amount	50.000	Range	37 - 128	Recovery	=	99.06%
32) Toluene-d8(SURR)	18.22	98	138757	47.64	ppb	0.07
Spiked Amount	50.000	Range	40 - 61	Recovery	=	95.28%#
49) p-Bromofluorobenzene(SURR)	24.03	174	68599	50.00	ppb	0.06
Spiked Amount	50.000	Range	39 - 68	Recovery	=	100.00%#

Target Compounds

						Qvalue
11) Methylene Chloride	9.83	49	7766	2.54	ppb	# 55
37) Tetrachloroethylene	19.82	166	11511	4.42	ppb	# 97

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

V2005629.D V2C173.M Tue Oct 04 12:20:41 2005

Page 1

000225

Data File : C:\HPCHEM\1\DATA\V2005629.D

Acq On : 24 Aug 2005 4:44 am

Sample : 05080545-13 \$8260W/VOAT1CW ASPB

Misc : QBV2082305B

MS Integration Params: rteint.p

Quant Time: Oct 4 12:20 19105

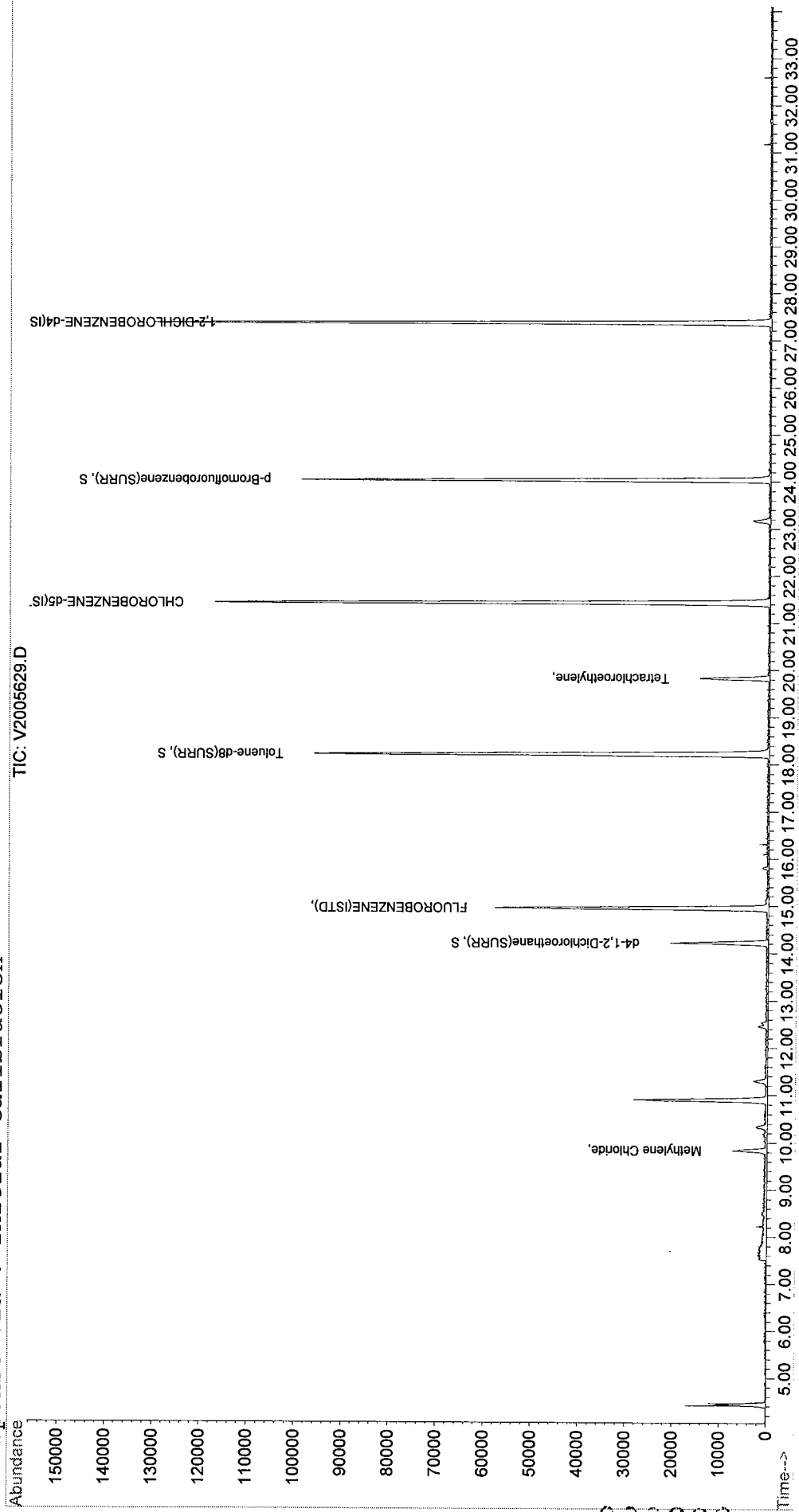
Quant Results File: V2C173.RES

Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

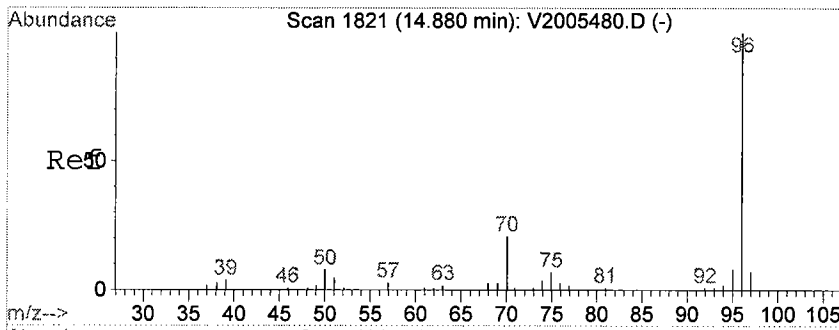
Title : VOCs BY GC/MS 8240/8260

Last Update : Thu Aug 18 08:08:33 2005

Response via : Initial Calibration

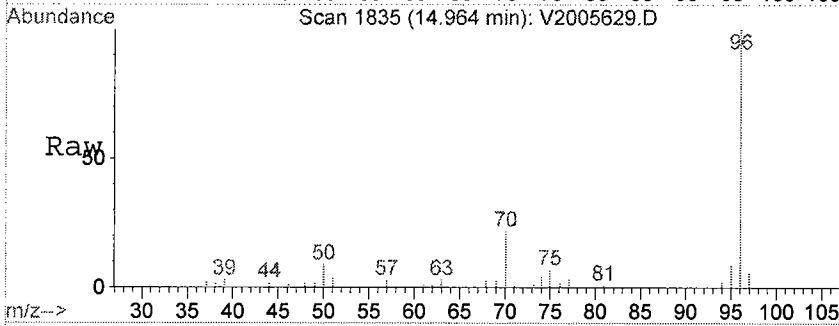


000226

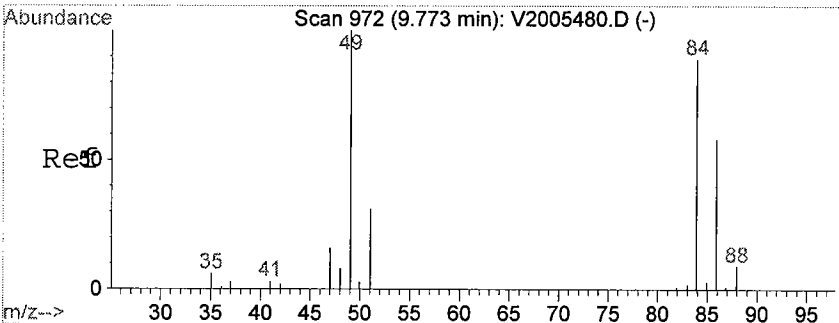
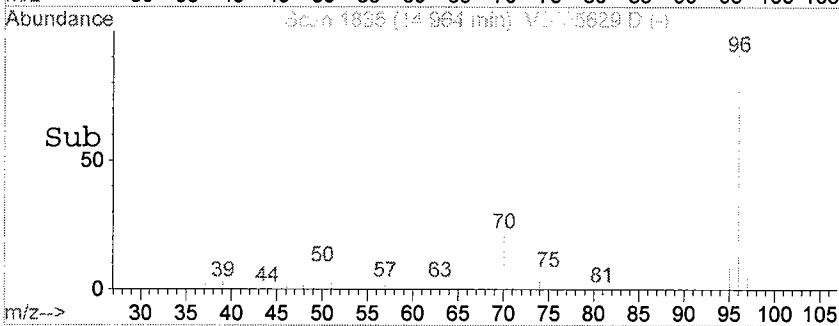
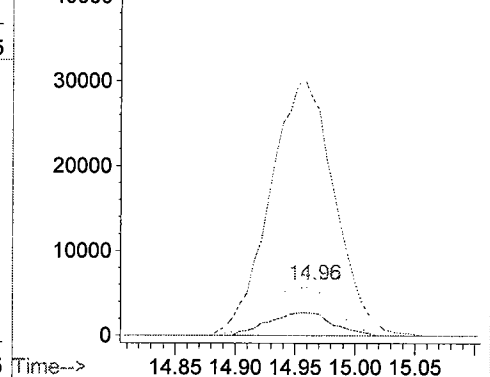


#1
 FLUOROBENZENE (ISTD)
 Concen: 50.00 ppb
 RT: 14.96 min Scan# 1835
 Delta R.T. 0.08 min
 Lab File: V2005629.D
 Acq: 24 Aug 2005 4:44 am

Tgt Ion: 70 Resp: 22454
 Ion Ratio Lower Upper
 70 100
 96 502.5 404.2 606.2
 70 100.0 80.0 120.0
 50 45.4 34.5 51.7

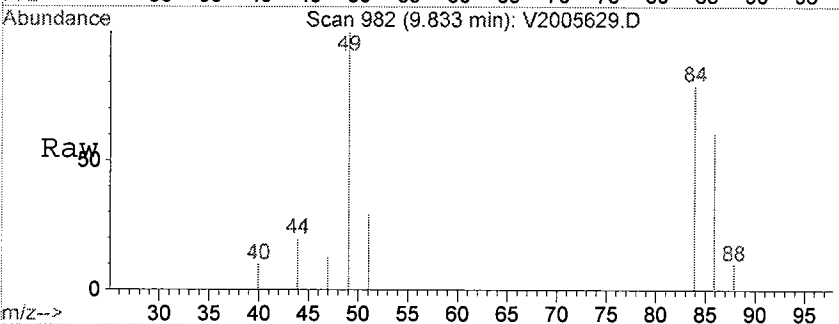


Abundance Ion 70.00 (69.70 to 70.70): V2005629.
 Ion 96.00 (95.70 to 96.70): V2005629.
 Ion 70.00 (69.70 to 70.70): V2005629.
 Ion 50.00 (49.70 to 50.70): V2005629.

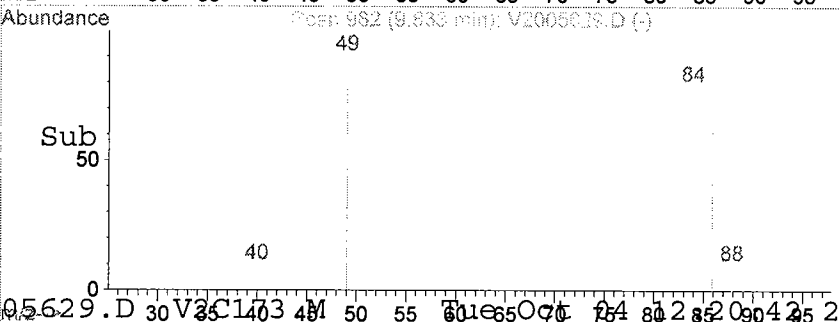
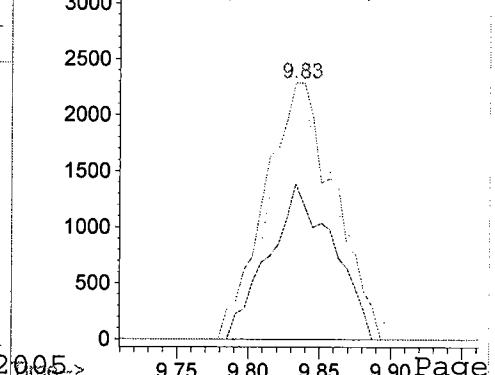


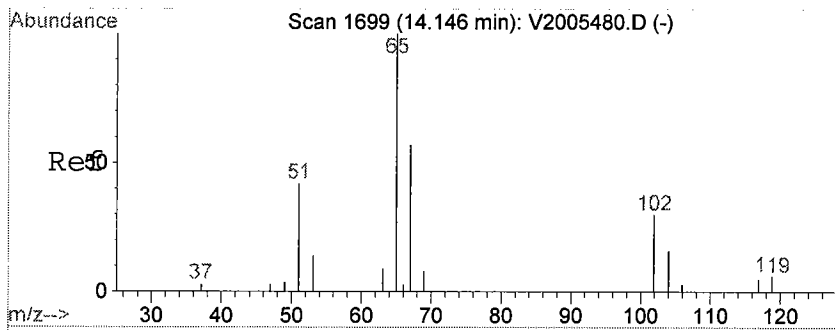
#11
 Methylene Chloride
 Concen: 2.54 ppb
 RT: 9.83 min Scan# 982
 Delta R.T. 0.07 min
 Lab File: V2005629.D
 Acq: 24 Aug 2005 4:44 am

Tgt Ion: 49 Resp: 7766
 Ion Ratio Lower Upper
 49 100
 49 100.0 80.0 120.0
 84 0.0 71.8 107.8#
 86 0.0 0.0 0.0



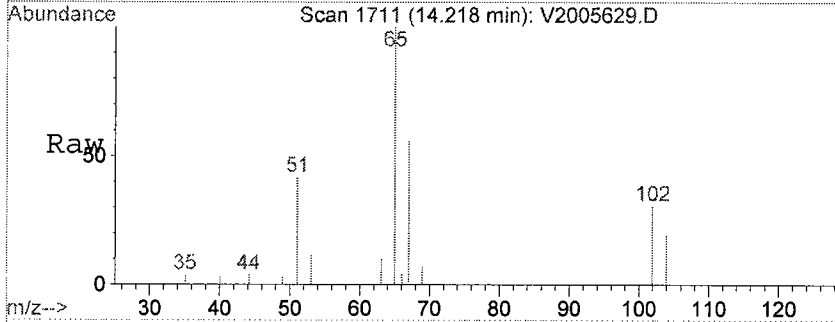
Abundance Ion 48.95 (48.65 to 49.65): V2005629.
 Ion 48.95 (48.65 to 49.65): V2005629.
 Ion 83.95 (83.65 to 84.35): V2005629.
 Ion 85.90 (85.60 to 86.60): V2005629.



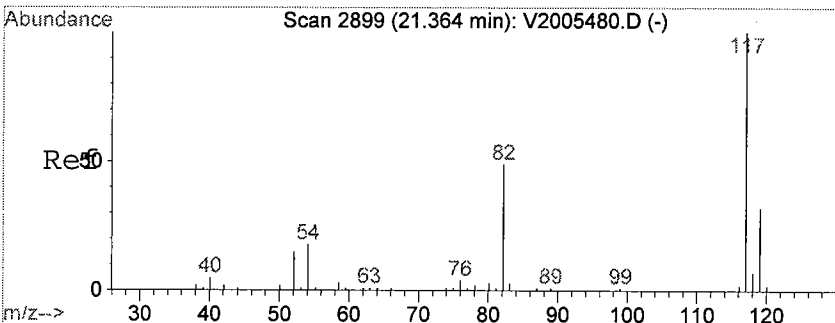
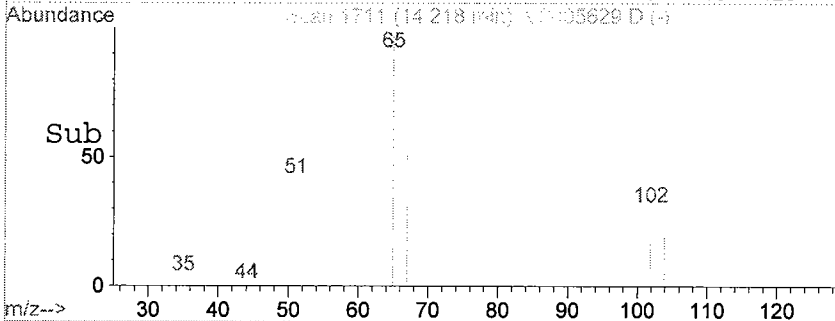
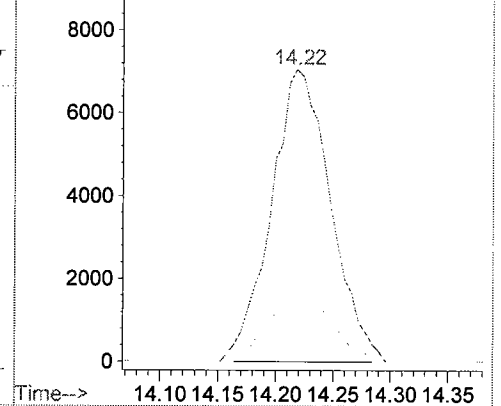


#21
d4-1,2-Dichloroethane (SURR)
Concen: 49.53 ppb
RT: 14.22 min Scan# 1711
Delta R.T. 0.07 min
Lab File: V2005629.D
Acq: 24 Aug 2005 4:44 am

Tgt Ion	Ratio	Lower	Upper
65	100		
65	100.0	80.0	120.0
102	27.6	21.4	32.2

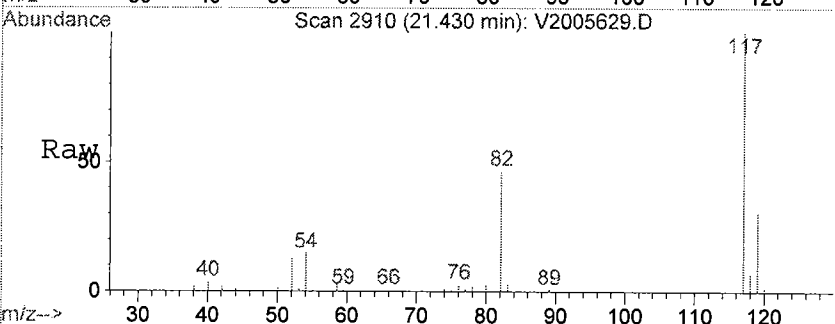


Abundance Ion 65.00 (64.70 to 65.70): V2005629.D
Ion 65.00 (64.70 to 65.70): V2005629.D
Ion 102.00 (101.70 to 102.30): V2005629.D

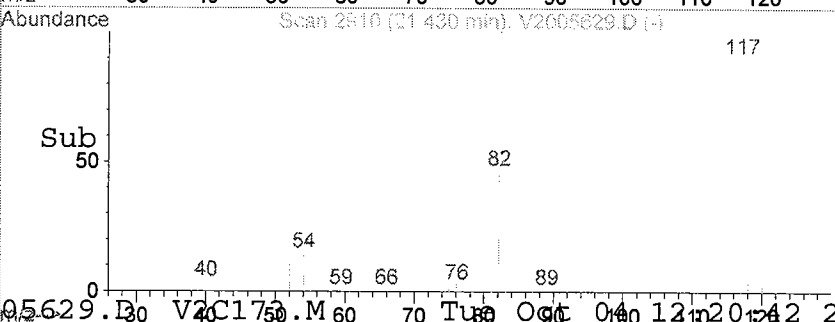
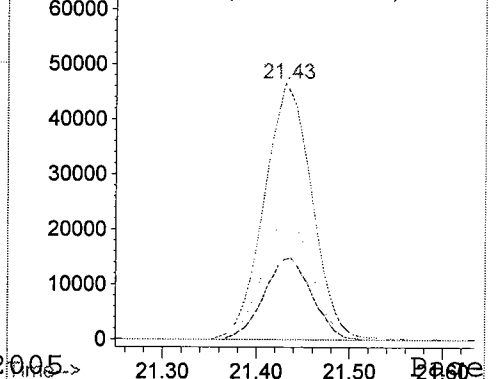


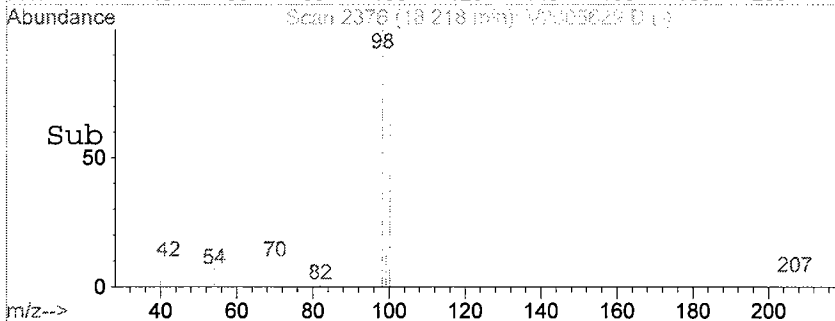
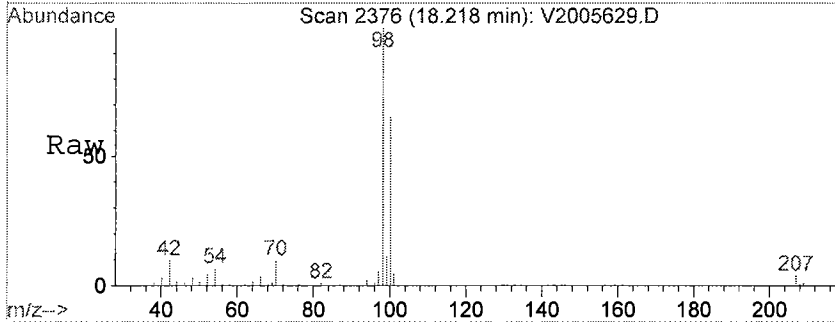
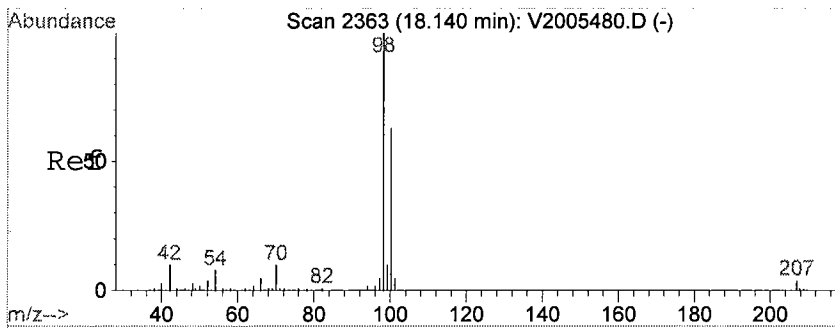
#25
CHLOROBENZENE-d5 (ISTD)
Concen: 50.00 ppb
RT: 21.43 min Scan# 2910
Delta R.T. 0.07 min
Lab File: V2005629.D
Acq: 24 Aug 2005 4:44 am

Tgt Ion	Ratio	Lower	Upper
117	100		
117	100.0	80.0	120.0
82	0.0	0.0	0.0
119	31.9	24.6	37.0



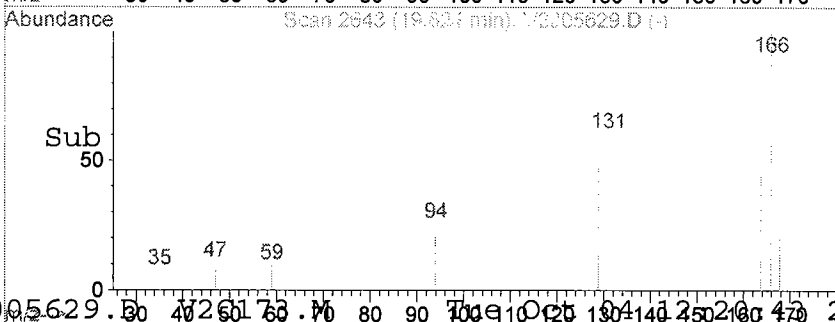
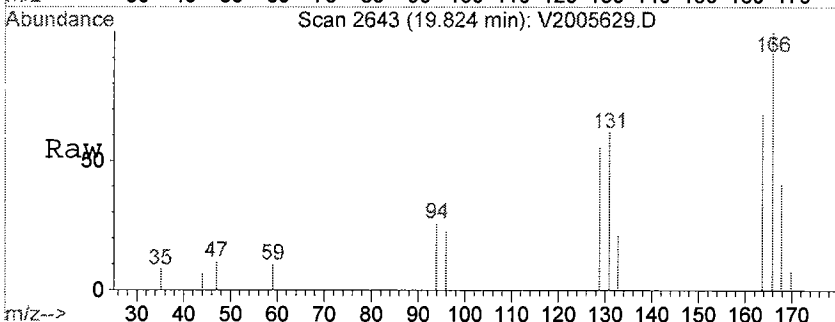
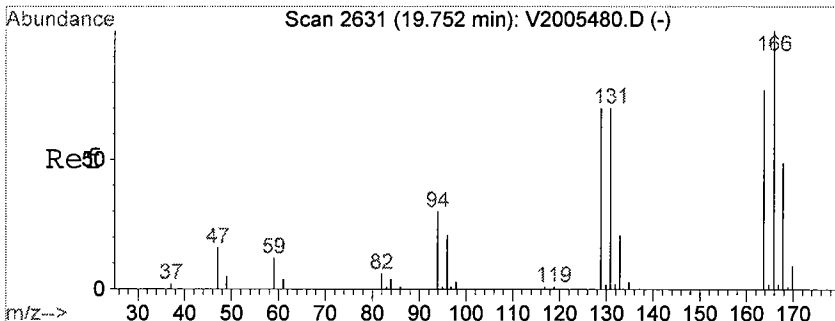
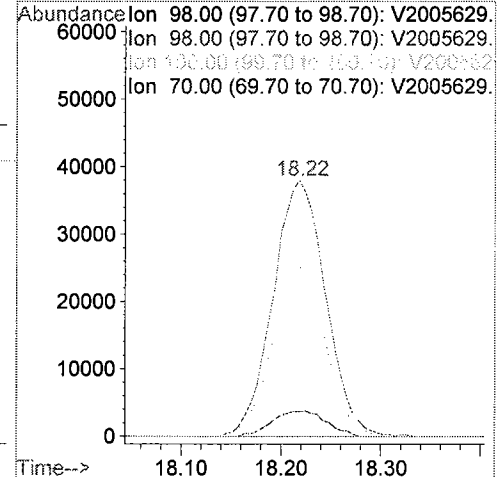
Abundance Ion 117.00 (116.70 to 117.70): V2005629.D
Ion 117.00 (116.70 to 117.70): V2005629.D
Ion 82.00 (81.70 to 82.30): V2005629.D
Ion 119.00 (118.70 to 119.70): V2005629.D





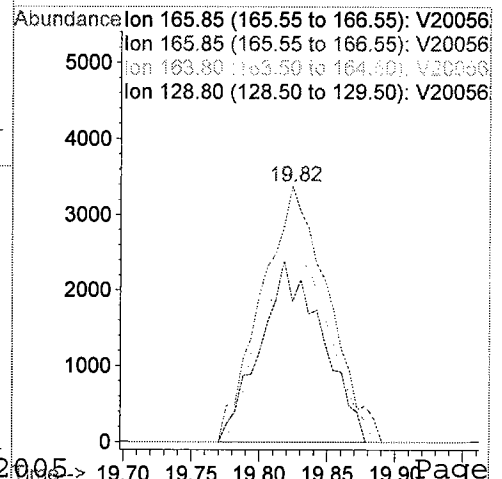
#32
Toluene-d8 (SURR)
Concen: 47.64 ppb
RT: 18.22 min Scan# 2376
Delta R.T. 0.07 min
Lab File: V2005629.D
Acq: 24 Aug 2005 4:44 am

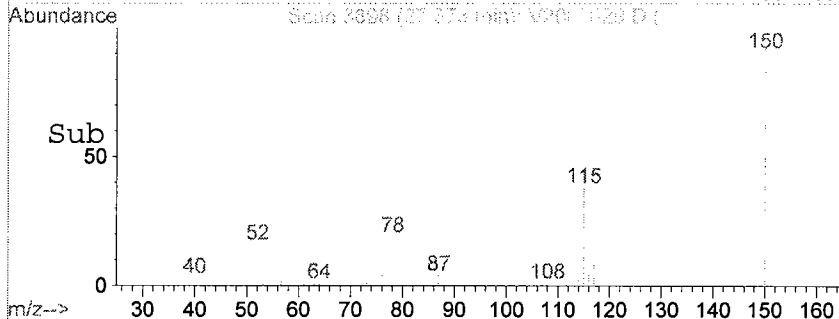
Tgt Ion:	98	Resp:	138757
Ion	Ratio	Lower	Upper
98	100		
98	100.0	80.0	120.0
100	66.7	53.7	80.5
70	10.2	8.0	12.0



#37
Tetrachloroethylene
Concen: 4.42 ppb
RT: 19.82 min Scan# 2643
Delta R.T. 0.07 min
Lab File: V2005629.D
Acq: 24 Aug 2005 4:44 am

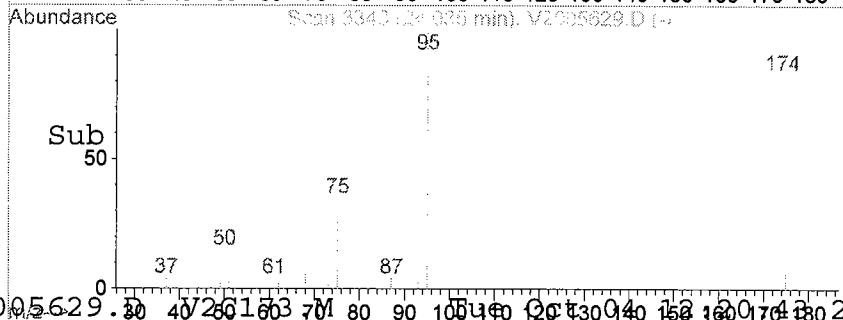
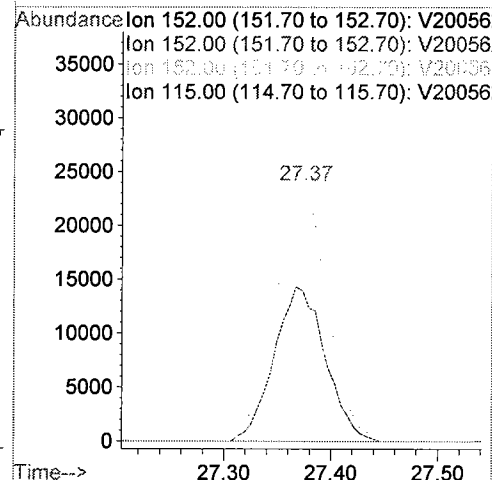
Tgt Ion:	166	Resp:	11511
Ion	Ratio	Lower	Upper
166	100		
166	100.0	80.0	120.0
164	0.0	0.0	0.0
129	65.4	56.6	85.0





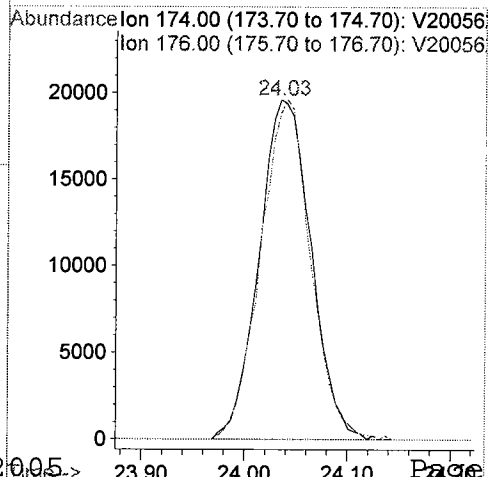
```
#47
1,2-DICHLOROBENZENE-d4 (ISTD)
Concen: 50.00 ppb
RT: 27.37 min   Scan# 3898
Delta R.T.      0.06 min
Lab File:       V2005629.D
Acq: 24 Aug 2005   4:44 am
```

Tgt	Ion:152	Resp:	80090
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



#49
p-Bromofluorobenzene (SURR)
Concen: 50.00 ppb
RT: 24.03 min Scan# 3343
Delta R.T. 0.06 min
Lab File: V2005629.D
Acq: 24 Aug 2005 4:44 am

Tgt	Ion:174	Resp:	68599
Ion	Ratio	Lower	Upper
174	100		
176	96.4	75.6	113.4



MW-2

Sample Type: **WATER**

SDG: 05080545-13

Lab ID: 05080545-13

Lab File ID: V2005629.D

CONCENTRATION
UNITS: ug/L DRY

[illegible]

LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\V2005629.D Vial: 22
Acq On : 24 Aug 2005 4:44 am Operator: SS
Sample : 05080545-13 \$8260W/VOATICW ASPB Inst : VOA No. 2
Misc : QBV2082305B Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
Title : VOCs BY GC/MS 8240/8260
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.5 % of largest Peak
Start Thrs: 0.001 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	4.417	57	65	67	rBV	17010	13714	3.09%	0.644%
2	4.440	67	69	73	rVV	11049	17391	3.92%	0.817%
3	4.469	73	74	81	rVB	12067	6544	1.48%	0.308%
4	7.535	595	600	602	rBV	1663	4023	0.91%	0.189%
5	9.833	972	982	996	rVB4	7054	24078	5.43%	1.132%
6	10.326	1057	1064	1077	rVB2	2194	8105	1.83%	0.381%
7	10.904	1146	1160	1177	rVB2	28035	104406	23.55%	4.906%
8	11.307	1214	1227	1236	rVV3	2838	11071	2.50%	0.520%
9	12.462	1408	1419	1423	rBV3	1887	5069	1.14%	0.238%
10	12.528	1425	1430	1439	rVB3	1256	3778	0.85%	0.178%
11	14.218	1700	1711	1725	rVB2	20838	72414	16.33%	3.403%
12	14.952	1818	1833	1852	rBV2	57665	211221	47.64%	9.926%
13	15.806	1968	1975	1981	rBV2	1177	3086	0.70%	0.145%
14	18.218	2361	2376	2398	rBV2	95972	368822	83.19%	17.332%
15	19.830	2631	2644	2655	rBV2	14657	52264	11.79%	2.456%
16	21.436	2894	2911	2928	rVB2	117345	425187	95.90%	19.981%
17	23.175	3185	3200	3212	rBB3	3796	15936	3.59%	0.749%
18	24.035	3331	3343	3364	rBV2	98824	337470	76.12%	15.859%
19	27.373	3882	3898	3917	rVB3	130223	443358	100.00%	20.835%

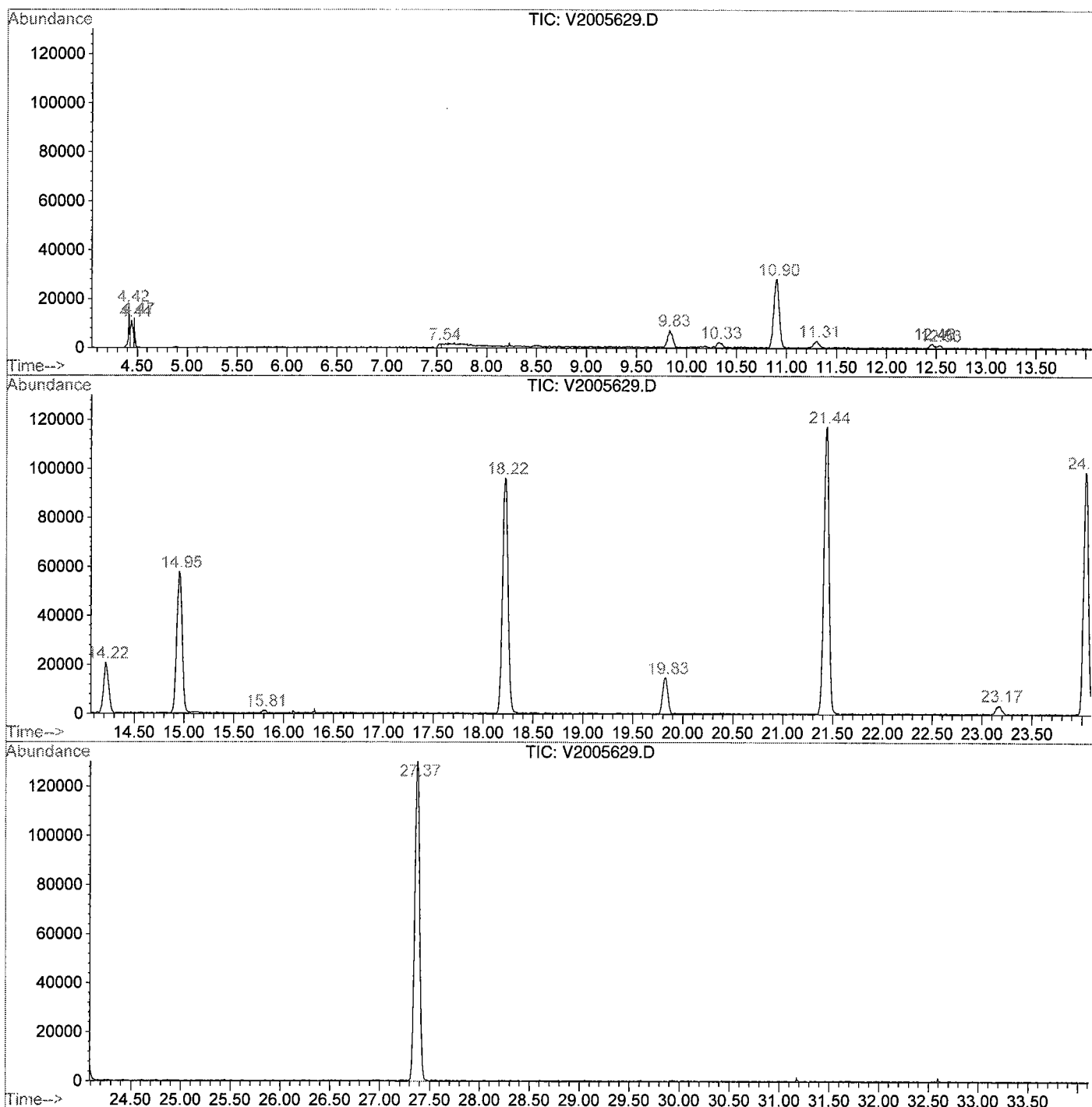
Sum of corrected areas: 2127937

V2005629.D V2C173.M Wed Aug 24 10:49:51 2005

000232

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\V2005629.D
 Operator : SS
 Acquired : 24 Aug 2005 4:44 am using AcqMethod V2C173
 Instrument : VOA No. 2
 Sample Name: 05080545-13 \$8260W/VOATICW ASPB
 Misc Info : QBV2082305B
 Vial Number: 22
 Quant File :V2C173.RES (RTE Integrator)



Tentatively Identified Compound (LSC) summary

Operator ID: SS Date Acquired: 24 Aug 2005 4:44 am
 Data File: C:\HPCHEM\1\DATA\V2005629.D
 Name: 05080545-13 \$8260W/VOATICW ASPB
 Misc: QBV2082305B
 Method: C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
 Title: VOCs BY GC/MS 8240/8260
 Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Hexane	10.90	24.7	ppb	104406	ISTD01	14.96	211221	50.0

V2005629.D V2C173.M Wed Aug 24 10:49:58 2005

Client Sample ID

MW-5

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

Matrix: WATER

Dilution Factor: 1.0

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

Date Collected: 8/15/05

Date Received: 8/17/05

Date Analyzed: 8/24/05

Level: LOW

Sample Type: WATER

SDG: 05080545

Lab ID: 05080545-14

Lab File ID: V2005630.D

CONCENTRATION
UNITS: ug/L

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
MW-5	05080545-14	Benzene	1 U
MW-5	05080545-14	Bromobenzene	1 U
MW-5	05080545-14	Bromochloromethane	1 U
MW-5	05080545-14	Bromodichloromethane	1 U
MW-5	05080545-14	Bromoform	1 U
MW-5	05080545-14	Bromomethane	1 U
MW-5	05080545-14	n-Butylbenzene	1 U
MW-5	05080545-14	sec-Butylbenzene	1 U
MW-5	05080545-14	tert-Butylbenzene	1 U
MW-5	05080545-14	Carbon tetrachloride	1 U
MW-5	05080545-14	Chlorobenzene	1 U
MW-5	05080545-14	Chloroethane	1 U
MW-5	05080545-14	Chloroform	1 U
MW-5	05080545-14	1-Chlorohexane	1 U
MW-5	05080545-14	Chloromethane	1 U
MW-5	05080545-14	2-Chlorotoluene	1 U
MW-5	05080545-14	4-Chlorotoluene	1 U
MW-5	05080545-14	Dibromochloromethane	1 U
MW-5	05080545-14	1,2-Dibromo-3-chloropropane	1 U
MW-5	05080545-14	1,2-Dibromoethane	1 U
MW-5	05080545-14	Dibromomethane	1 U
MW-5	05080545-14	1,2-Dichlorobenzene	1 U
MW-5	05080545-14	1,3-Dichlorobenzene	1 U
MW-5	05080545-14	1,4-Dichlorobenzene	1 U
MW-5	05080545-14	Dichlorodifluoromethane	1 U
MW-5	05080545-14	1,1-Dichloroethane	1 U
MW-5	05080545-14	1,2-Dichloroethane	1 U
MW-5	05080545-14	1,1-Dichloroethylene	1 U
MW-5	05080545-14	1,2-Dichloroethylene (Total)	1 U
MW-5	05080545-14	1,2-Dichloropropane	1 U
MW-5	05080545-14	1,3-Dichloropropane	1 U
MW-5	05080545-14	2,2-Dichloropropane	1 U
MW-5	05080545-14	1,1-Dichloropropylene	1 U

Client Sample ID

MW-5

CONCENTRATION
UNITS: ug/L

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
MW-5	05080545-14	cis-1,3-Dichloropropylene	1 U
MW-5	05080545-14	trans-1,3-Dichloropropylene	1 U
MW-5	05080545-14	Ethylbenzene	1 U
MW-5	05080545-14	Hexachlorobutadiene	1 U
MW-5	05080545-14	Isopropylbenzene	1 U
MW-5	05080545-14	p-Isopropyltoluene	1 U
MW-5	05080545-14	Methylene chloride	3 B
MW-5	05080545-14	Naphthalene	1 U
MW-5	05080545-14	n-Propylbenzene	1 U
MW-5	05080545-14	Styrene	1 U
MW-5	05080545-14	1,1,1,2-Tetrachloroethane	1 U
MW-5	05080545-14	1,1,2,2-Tetrachloroethane	1 U
MW-5	05080545-14	Tetrachloroethylene	7
MW-5	05080545-14	Toluene	1 U
MW-5	05080545-14	1,2,3-Trichlorobenzene	1 U
MW-5	05080545-14	1,2,4-Trichlorobenzene	1 U
MW-5	05080545-14	1,1,1-Trichloroethane	1 U
MW-5	05080545-14	1,1,2-Trichloroethane	1 U
MW-5	05080545-14	Trichloroethylene	1 U
MW-5	05080545-14	Trichlorofluoromethane	1 U
MW-5	05080545-14	1,2,3-Trichloropropane	1 U
MW-5	05080545-14	1,2,3-Trimethylbenzene	1 U
MW-5	05080545-14	1,2,4-Trimethylbenzene	1 U
MW-5	05080545-14	1,3,5-Trimethylbenzene	1 U
MW-5	05080545-14	Vinyl chloride	1 U
MW-5	05080545-14	o-Xylene	1 U
MW-5	05080545-14	p- & m-Xylenes	1 U
MW-5	05080545-14	MTBE	1 U

Form 1-VOA

Data File : C:\HPCHEM\1\DATA\V2005630.D
Acq On : 24 Aug 2005 5:26 am
Sample : 05080545-14 \$8260W/VOATICW ASPB
Misc : QBV2082305B
MS Integration Params: rteint.p
Quant Time: Oct 4 12:21 19105

Vial: 23
Operator: SS
Inst : VOA No. 2
Multiplr: 1.00

Quant Results File: V2C173.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260
Last Update : Thu Aug 18 08:08:33 2005
Response via : Initial Calibration
DataAcq Meth : V2C173

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.95	70	22321	50.00	ppb	0.06
25) CHLOROBENZENE-d5(ISTD)	21.43	117	156843	50.00	ppb	0.07
47) 1,2-DICHLOROBENZENE-d4(IST	27.37	152	77125	50.00	ppb	0.05

System Monitoring Compounds

21) d4-1,2-Dichloroethane(SURR	14.22	65	25699	50.59	ppb	0.07
Spiked Amount	50.000	Range	37 - 128	Recovery	=	101.18%
32) Toluene-d8(SURR)	18.21	98	136125	49.33	ppb	0.07
Spiked Amount	50.000	Range	40 - 61	Recovery	=	98.66%#
49) p-Bromofluorobenzene(SURR)	24.04	174	65975	49.94	ppb	0.06
Spiked Amount	50.000	Range	39 - 68	Recovery	=	99.88%#

Target Compounds

						Qvalue
11) Methylene Chloride	9.83	49	8163	2.68	ppb	# 75
37) Tetrachloroethylene	19.82	166	17224	6.99	ppb	# 99

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

V2005630.D V2C173.M Tue Oct 04 12:21:28 2005

000238

Data File : C:\HPCHEM\1\DATA\V2005630.D

Acq On : 24 Aug 2005 5:26 am

Sample : 05080545-14 \$8260W/VOAT1CW ASPB

Misc : QBV2082305B

MS Integration Params: rteint.p

Quant Time: Oct 4 12:21 19105

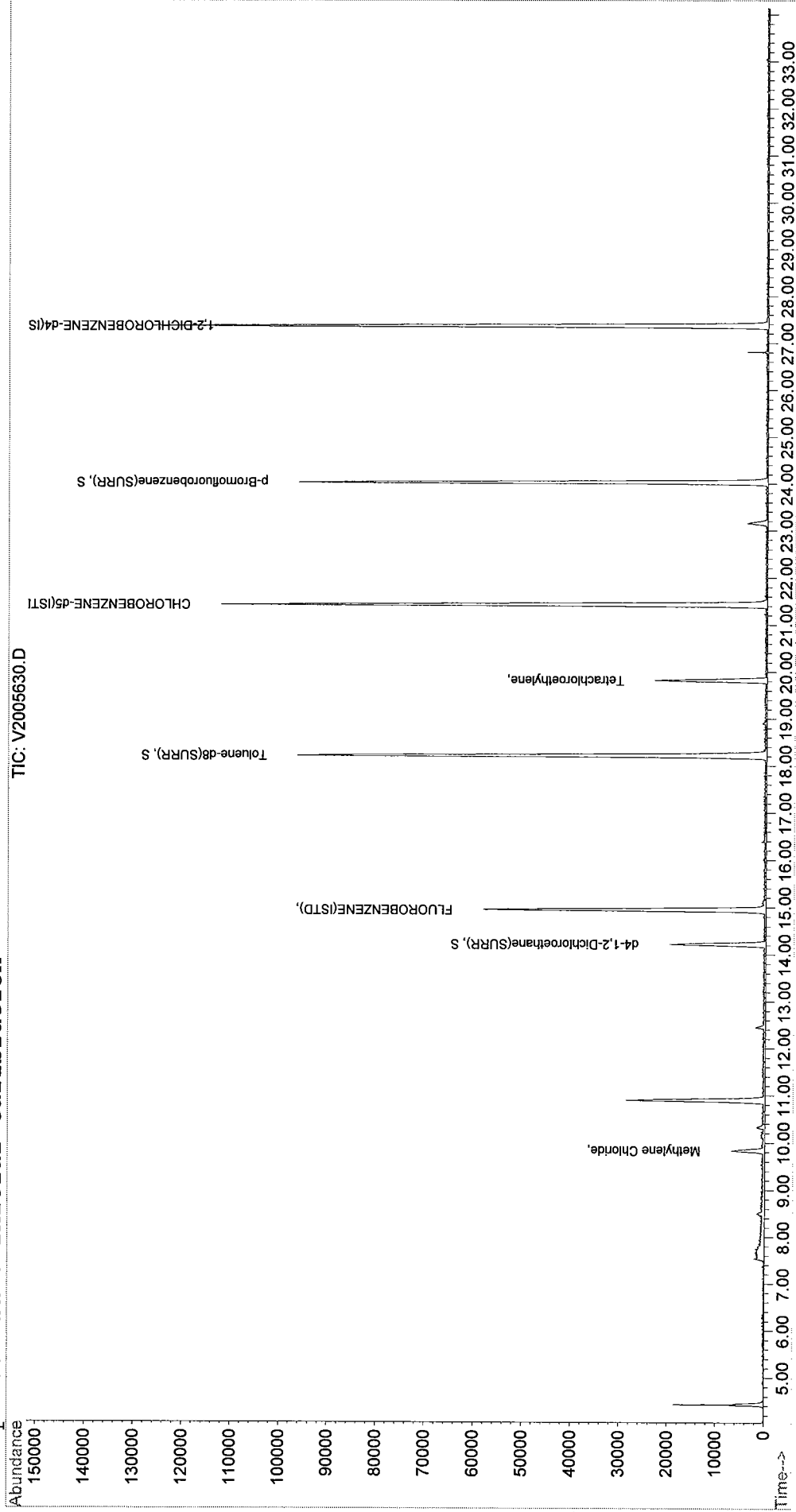
Quant Results File: V2C173.RES

Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

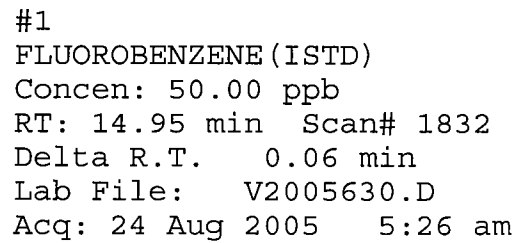
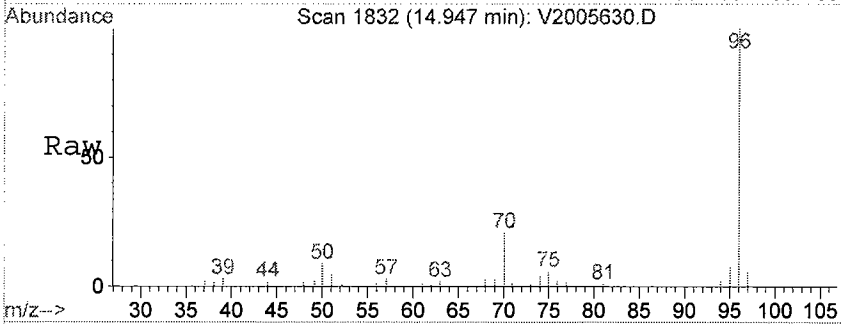
Title : VOCs BY GC/MS 8240/8260

Last Update : Thu Aug 18 08:08:33 2005

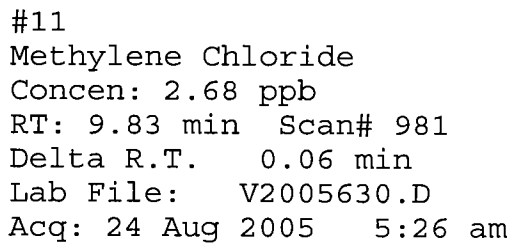
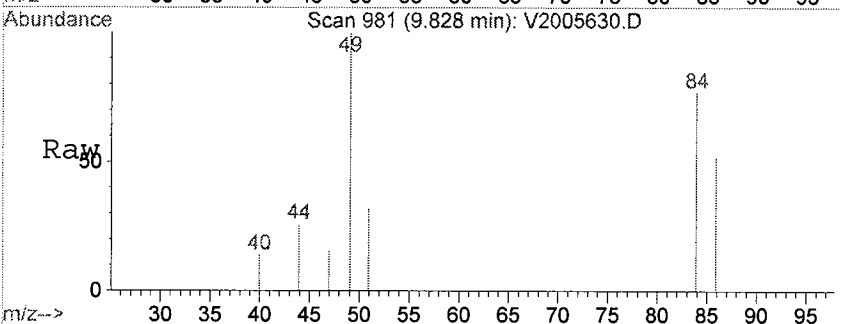
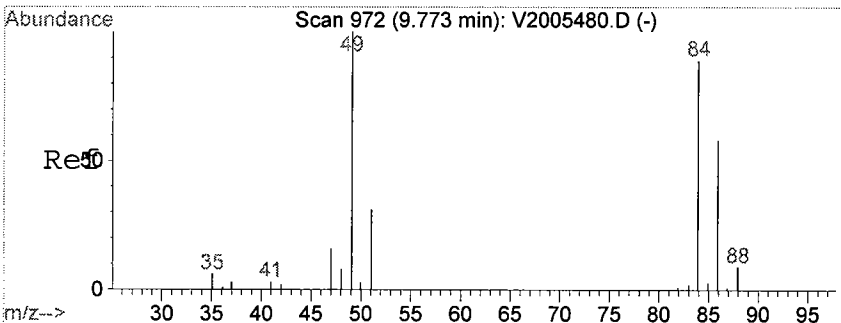
Response via : Initial Calibration



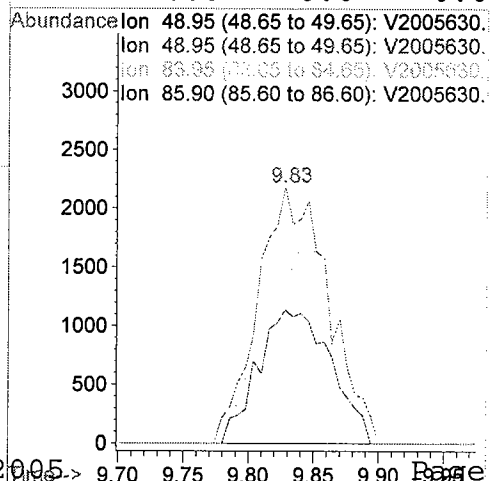
000239



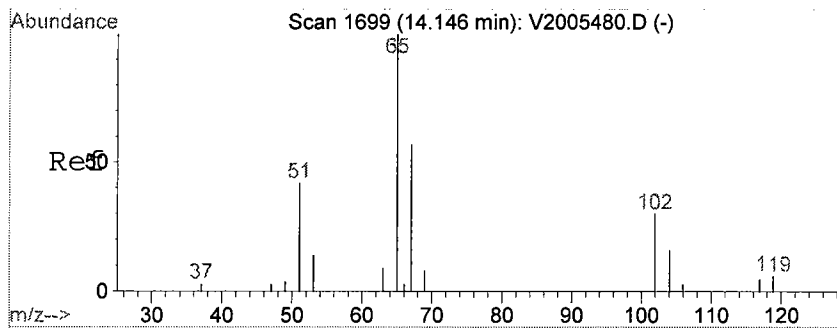
Tgt	Ion: 70	Resp:	22321
Ion	Ratio	Lower	Upper
70	100		
96	502.7	404.2	606.2
70	100.0	80.0	120.0
50	43.1	34.5	51.7



Tgt	Ion: 49	Resp:	8163
Ion	Ratio	Lower	Upper
49	100		
49	100.0	80.0	120.0
84	39.8	71.8	107.8#
86	0.0	0.0	0.0

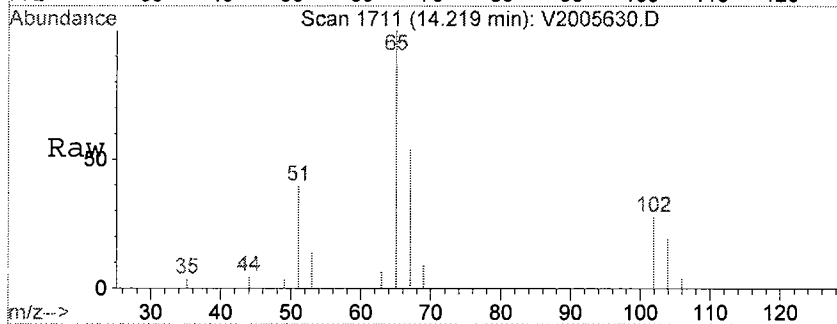


000240



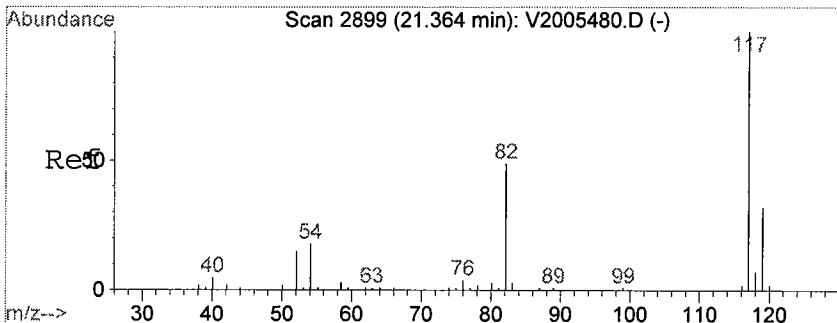
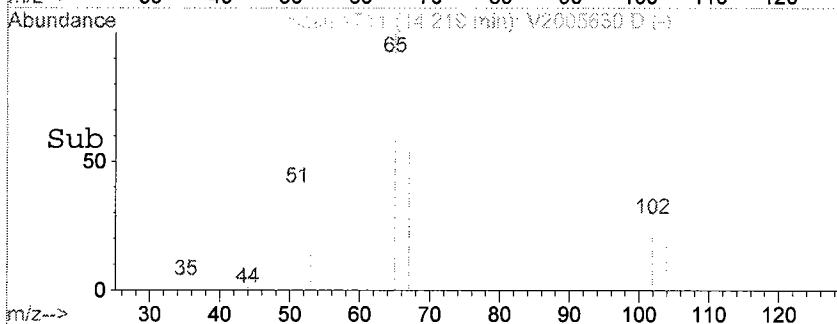
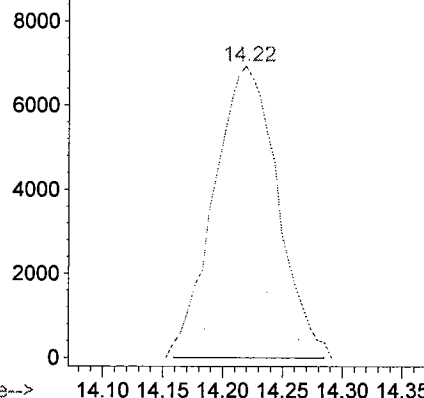
#21
d4-1,2-Dichloroethane (SURR)
Concen: 50.59 ppb
RT: 14.22 min Scan# 1711
Delta R.T. 0.07 min
Lab File: V2005630.D
Acq: 24 Aug 2005 5:26 am

Tgt Ion	Ratio	Lower	Upper
65	100		
65	100.0	80.0	120.0
102	28.1	21.4	32.2



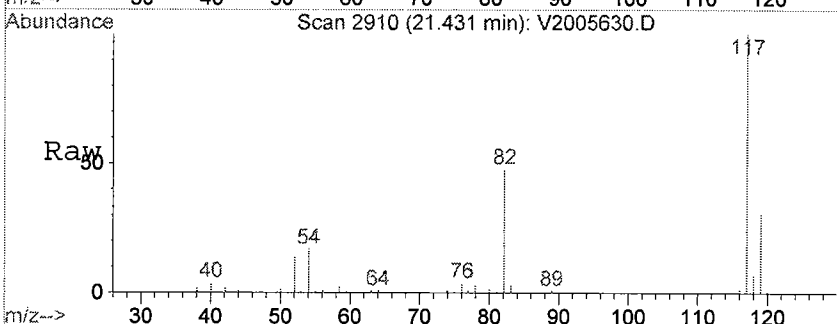
Abundance

Ion 65.00 (64.70 to 65.70): V2005630.D



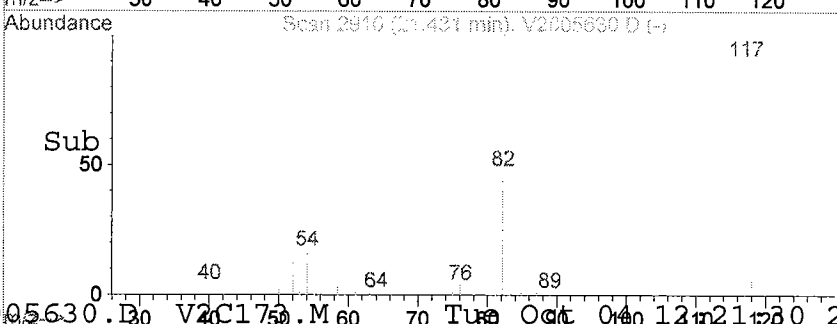
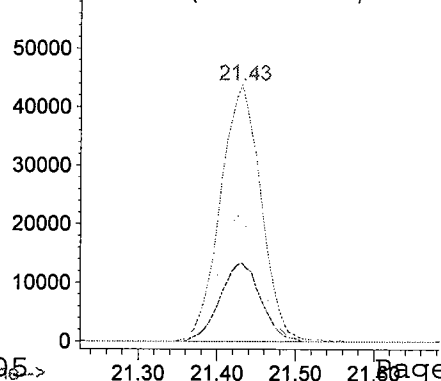
#25
CHLOROBENZENE-d5 (ISTD)
Concen: 50.00 ppb
RT: 21.43 min Scan# 2910
Delta R.T. 0.07 min
Lab File: V2005630.D
Acq: 24 Aug 2005 5:26 am

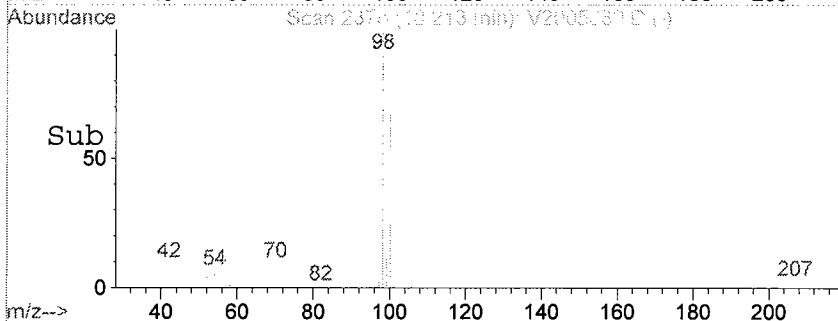
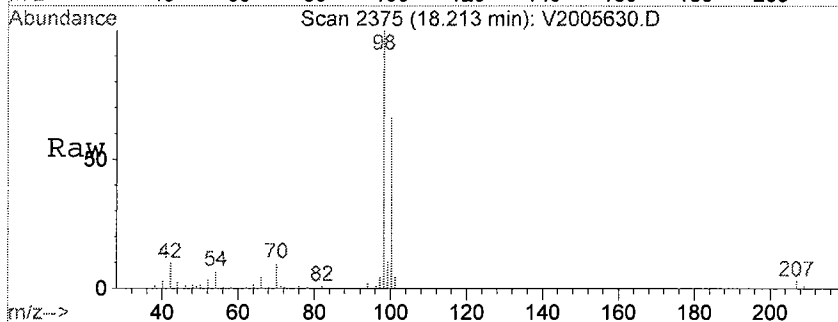
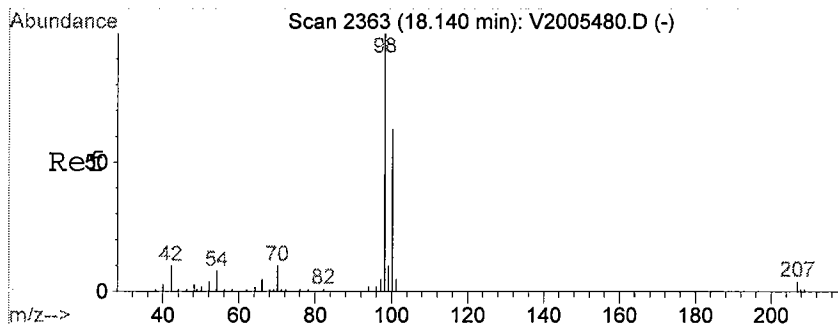
Tgt Ion	Ratio	Lower	Upper
117	100		
117	100.0	80.0	120.0
82	0.0	0.0	0.0
119	30.7	24.6	37.0



Abundance

Ion 117.00 (116.70 to 117.70): V2005630.D





#32

Toluene-d8 (SURR)

Concen: 49.33 ppb

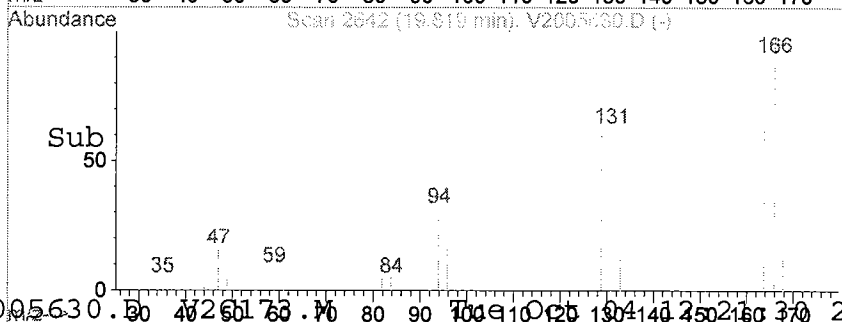
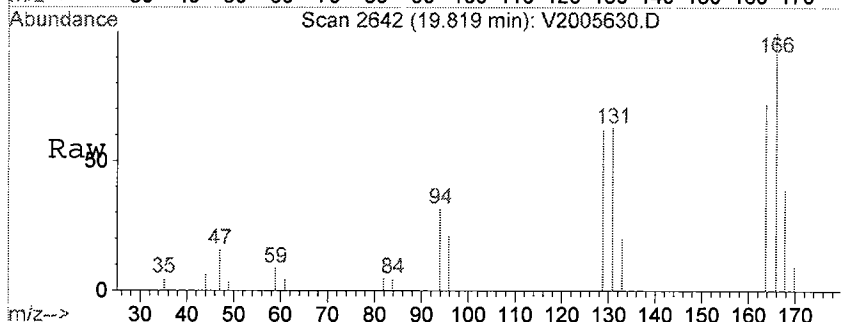
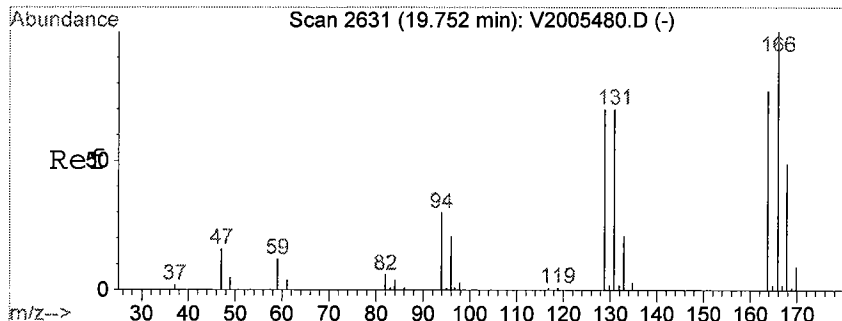
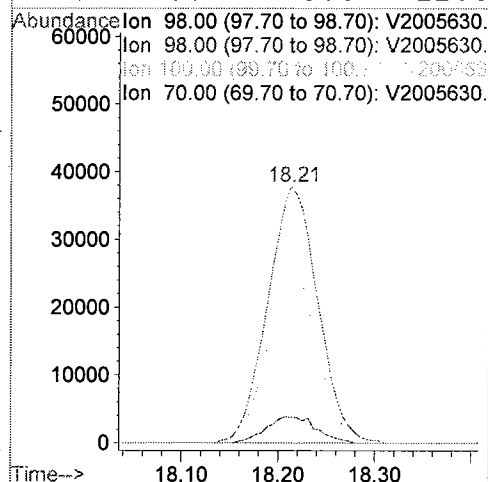
RT: 18.21 min Scan# 2375

Delta R.T. 0.07 min

Lab File: V2005630.D

Acq: 24 Aug 2005 5:26 am

Tgt Ion:	98	Resp:	136125
Ion Ratio	Lower	Upper	
98	100		
98	100.0	80.0	120.0
100	0.0	53.7	80.5#
70	10.2	8.0	12.0



#37

Tetrachloroethylene

Concen: 6.99 ppb

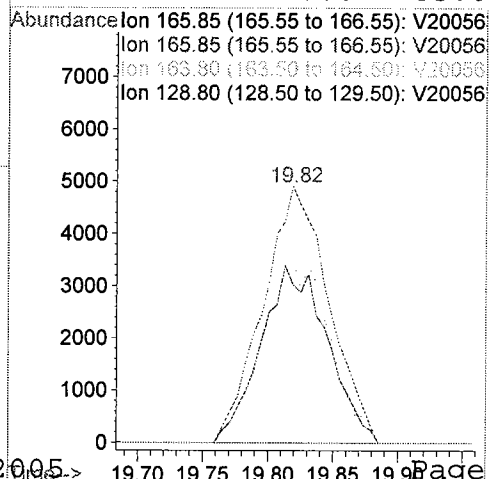
RT: 19.82 min Scan# 2642

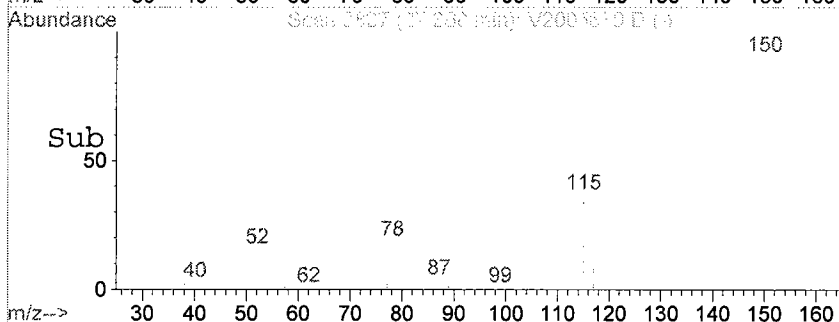
Delta R.T. 0.06 min

Lab File: V2005630.D

Acq: 24 Aug 2005 5:26 am

Tgt Ion:	166	Resp:	17224
Ion Ratio	Lower	Upper	
166	100		
166	100.0	80.0	120.0
164	72.3	0.0	0.0#
129	69.4	56.6	85.0





#47

1,2-DICHLOROBENZENE-d4 (ISTD)

Concen: 50.00 ppb

RT: 27.37 min Scan# 3897

Delta R.T. 0.05 min

Lab File: V2005630.D

Acq: 24 Aug 2005 5:26 am

Tgt Ion:152 Resp: 77125

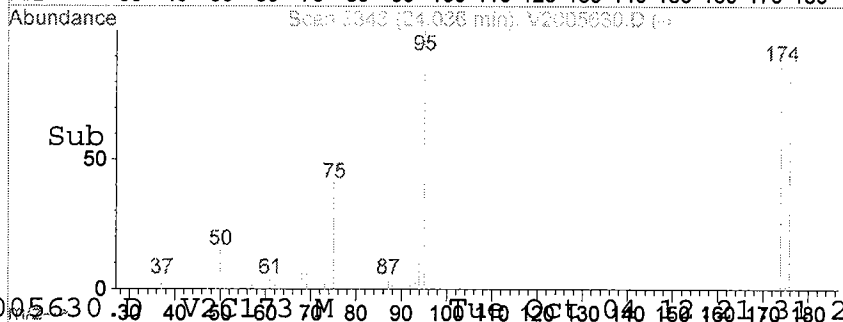
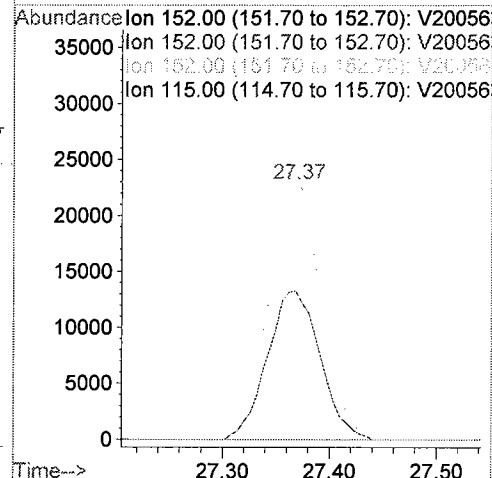
Ion	Ratio	Lower	Upper
-----	-------	-------	-------

152 100

```
152    100.0    80.0    120.0
```

```
152    100.0    80.0    120.0
```

```
115      0.0      0.0      0.0
```



#49

p-Bromofluorobenzene (SURR)

Concen: 49.94 ppb

RT: 24.04 min Scan# 3343

Delta R.T. 0.06 min

Lab File: V2005630.D

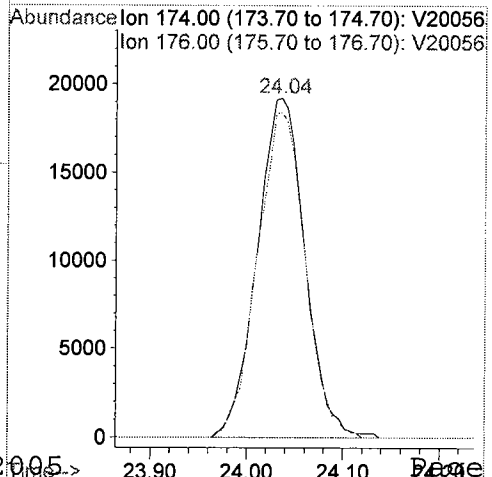
Acq: 24 Aug 2005 5:26 am

Tgt Ion:174 Resp: 65975

Ion	Ratio	Lower	Upper
-----	-------	-------	-------

174 100

176 95.9 75.6 113.4



Client Sample ID

MW-5

Sample Amount: SOIL=1.0g/WATER=5.0ml

Date Collected: 8/15/05

Sample Type: **WATER**

Matrix: WATER

Date Received: 8/17/05

Dilution Factor: 1.00

Date Analyzed: 8/24/05

SDG: 05080545-14

Level: LOW

Lab ID: 05080545-14

Lab File ID: V2005630.D

CONCENTRATION
UNITS: **ug/L** **DRY**

[illegible]

LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\V2005630.D
Acq On : 24 Aug 2005 5:26 am
Sample : 05080545-14 \$8260W/VOATICW ASPB
Misc : QBV2082305B
MS Integration Params: RTEINT.P

Vial: 23
Operator: SS
Inst : VOA No. 2
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
Title : VOCs BY GC/MS 8240/8260
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.5 % of largest Peak
Start Thrs: 0.001 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	4.430	55	67	79	rBB	18664	30820	7.22%	1.478%
2	7.536	594	600	604	rBV	2205	5677	1.33%	0.272%
3	8.499	752	760	768	rBV	1240	3874	0.91%	0.186%
4	9.828	969	981	994	rBV3	6623	24163	5.66%	1.159%
5	10.321	1056	1063	1076	rVB4	1696	6458	1.51%	0.310%
6	10.899	1145	1159	1172	rVB3	28433	105136	24.62%	5.042%
7	12.444	1409	1416	1429	rVB4	1939	5703	1.34%	0.274%
8	14.219	1696	1711	1727	rVB3	19913	72724	17.03%	3.488%
9	14.947	1818	1832	1851	rBV	57910	210632	49.33%	10.102%
10	18.219	2360	2376	2394	rBV	96273	362363	84.86%	17.379%
11	18.899	2486	2489	2500	rVB2	945	2420	0.57%	0.116%
12	19.819	2630	2642	2657	rVB3	23079	82883	19.41%	3.975%
13	21.431	2894	2910	2929	rBV	112277	401614	94.05%	19.261%
14	23.151	3183	3196	3212	rBV2	4061	14978	3.51%	0.718%
15	24.030	3326	3342	3360	rBV2	96382	325942	76.33%	15.632%
16	26.809	3802	3804	3811	rVB	4394	2698	0.63%	0.129%
17	27.368	3883	3897	3915	rBV2	126535	427024	100.00%	20.480%

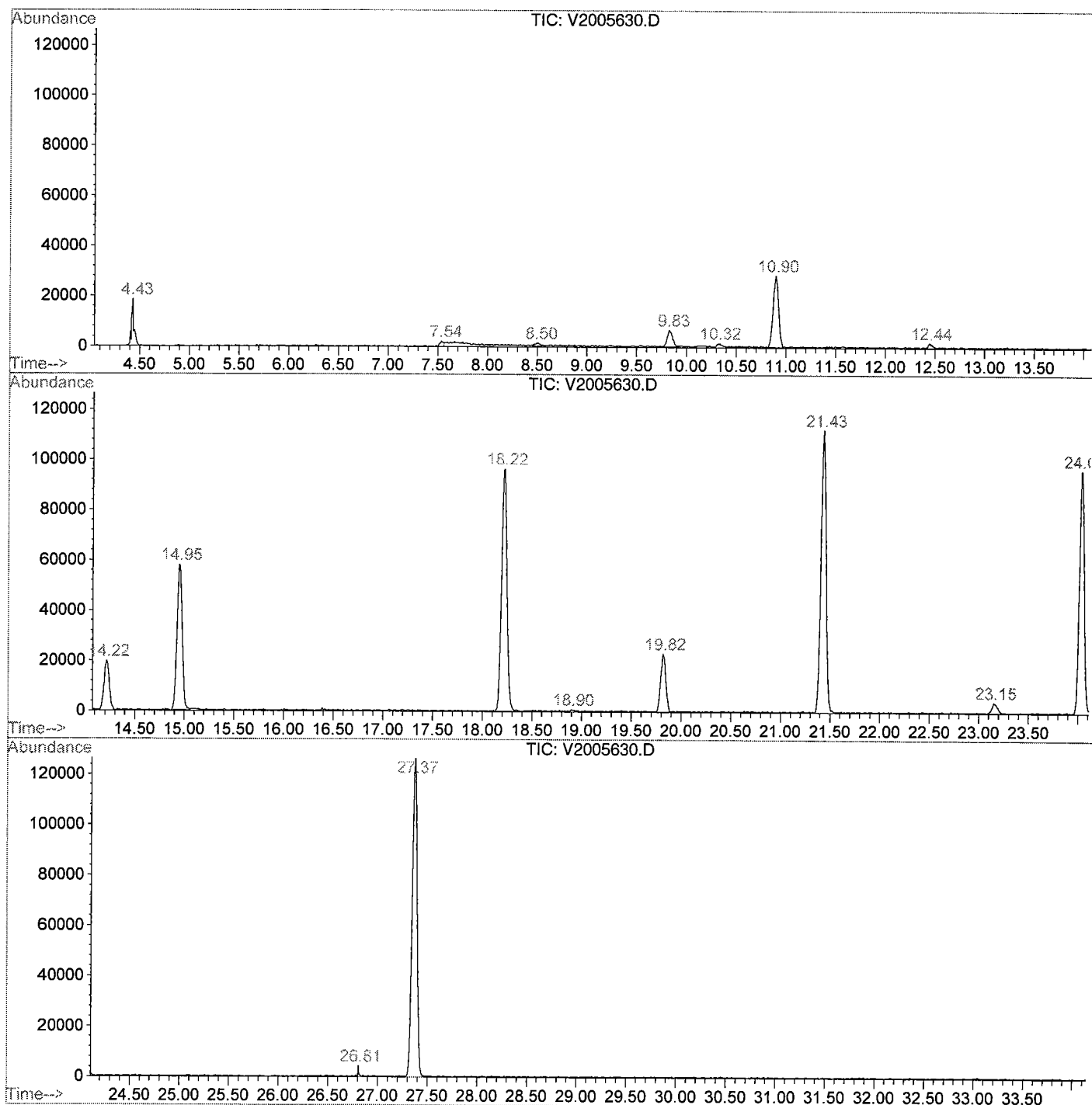
Sum of corrected areas: 2085109

V2005630.D V2C173.M Wed Aug 24 10:50:27 2005

000245

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\V2005630.D
 Operator : SS
 Acquired : 24 Aug 2005 5:26 am using AcqMethod V2C173
 Instrument : VOA No. 2
 Sample Name: 05080545-14 \$8260W/VOATICW ASPB
 Misc Info : QBV2082305B
 Vial Number: 23
 Quant File :V2C173.RES (RTE Integrator)



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\V2005630.D

Acq On : 24 Aug 2005 5:26 am

Sample : 05080545-14 \$8260W/VOATICW ASPB

Misc : QBV2082305B

MS Integration Params: RTEINT.P

Vial: 23

Operator: SS

Inst : VOA No. 2

Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

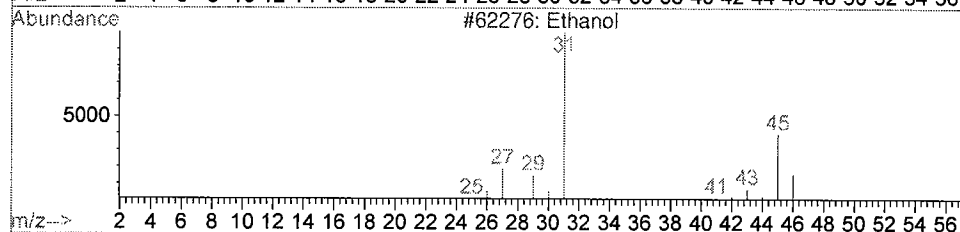
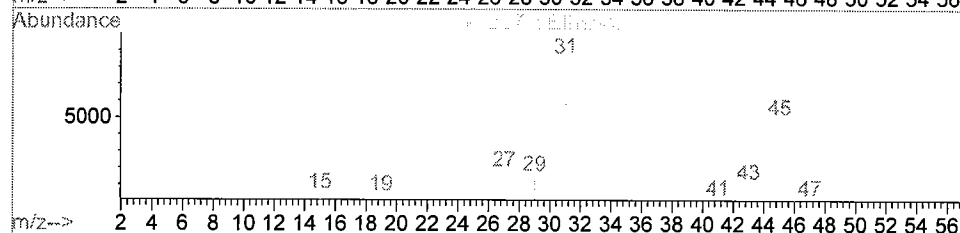
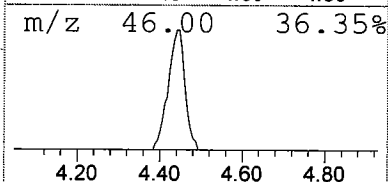
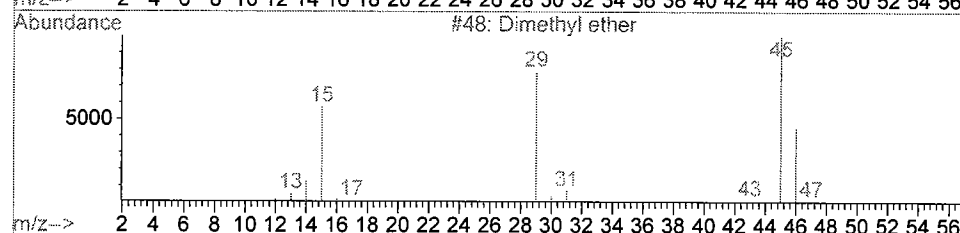
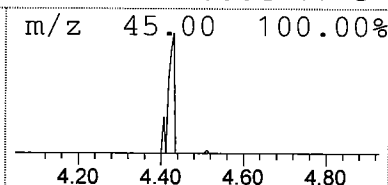
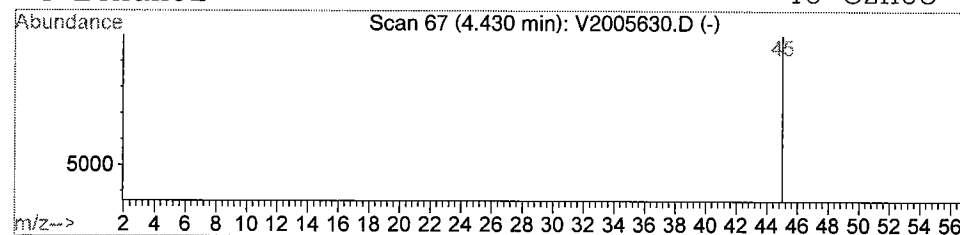
Library : C:\DATABASE\NBS75K.L

Peak Number 1 Dimethyl ether

Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.43	7.32 ppb	30820	FLUOROBENZENE(ISTD)	14.95

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dimethyl ether	46	C2H6O	000115-10-6	5
2			Ethanol	46	C2H6O	000064-17-5	4
3			Ethanol	46	C2H6O	000064-17-5	4
4			Ethanol	46	C2H6O	000064-17-5	4



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\V2005630.D

Acq On : 24 Aug 2005 5:26 am

Sample : 05080545-14 \$8260W/VOATICW ASPB

Misc : QBV2082305B

MS Integration Params: RTEINT.P

Vial: 23

Operator: SS

Inst : VOA No. 2

Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

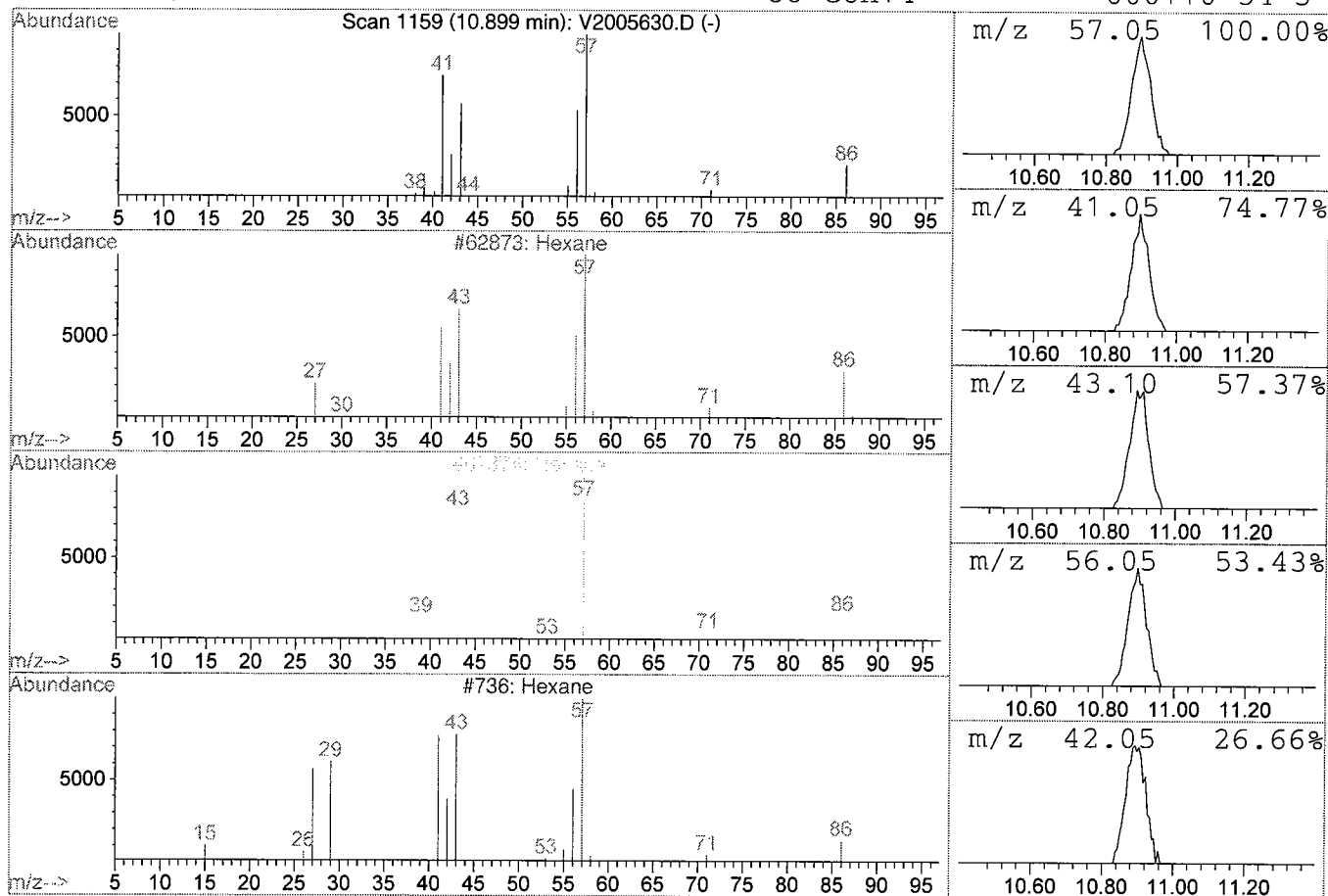
Library : C:\DATABASE\NBS75K.L

Peak Number 2 Hexane

Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.90	24.96 ppb	105136	FLUOROBENZENE(ISTD)	14.95

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane	86	C6H14	000110-54-3	86
2			Hexane	86	C6H14	000110-54-3	72
3			Hexane	86	C6H14	000110-54-3	64
4			Hexane	86	C6H14	000110-54-3	56



Tentatively Identified Compound (LSC) summary

Operator ID: SS Date Acquired: 24 Aug 2005 5:26 am
 Data File: C:\HPCHEM\1\DATA\V2005630.D
 Name: 05080545-14 \$8260W/VOATICW ASPB
 Misc: QBV2082305B
 Method: C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
 Title: VOCs BY GC/MS 8240/8260
 Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Dimethyl ether	4.43	7.3	ppb	30820	ISTD01	14.95	210632	50.0
Hexane	10.90	25.0	ppb	105136	ISTD01	14.95	210632	50.0

V2005630.D V2C173.M Wed Aug 24 10:50:37 2005

Data File : C:\HPCHEM\1\DATA\V2005657.D Vial: 15
 Acq On : 25 Aug 2005 12:13 am Operator: SS
 Sample : 05080545-15 \$8260W/VOATICW RE 5ML/50ML A Inst : VOA No. 2
 Misc : QBV2082405A Multiplr: 10.00
 MS Integration Params: rteint.p
 Quant Time: Oct 4 12:18 19105 Quant Results File: V2C173.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Thu Aug 18 08:08:33 2005
 Response via : Initial Calibration
 DataAcq Meth : V2C173

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) FLUOROBENZENE (ISTD)	14.90	70	22677	50.00	ppb	0.01
25) CHLOROBENZENE-d5 (ISTD)	21.38	117	166797	50.00	ppb	0.02
47) 1,2-DICHLOROBENZENE-d4 (ISTD)	27.33	152	80586	50.00	ppb	0.02

System Monitoring Compounds

21) d4-1,2-Dichloroethane (SURR)	14.16	65	25742	49.88	ppb	0.01
Spiked Amount	50.000	Range	37 - 128	Recovery	=	99.76%
32) Toluene-d8 (SURR)	18.16	98	139643	47.59	ppb	0.02
Spiked Amount	50.000	Range	40 - 61	Recovery	=	95.18%#
49) p-Bromofluorobenzene (SURR)	23.99	174	67885	49.17	ppb	0.02
Spiked Amount	50.000	Range	39 - 68	Recovery	=	98.34%#

Target Compounds

						Qvalue
11) Methylene Chloride	9.79	49	10020	32.41	ppb	# 100
15) cis-1,2-Dichloroethylene	12.49	96	7576	31.99	ppb	# 91
19) 1,1,1-Trichloroethane	13.69	97	13290	48.38	ppb	# 98
26) Trichloroethylene	15.75	95	4158	17.42	ppb	# 55
37) Tetrachloroethylene	19.77	166	183393	699.35	ppb	# 64

S.

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

DATA\\Data\\File : C:\\HPCHEM\\1\\DATA\\V2005657.D

Vial: 15
Acq On : 25 Aug 2005 12:13 am
Operator: SS
Sample : 05080545-15 \$8260W/VOAT1CW RE 5ML/50ML A Inst : VOA No. 2
Misc : QBV2082405A
Multiplr: 10.00

MS Integration Params: rteint.p

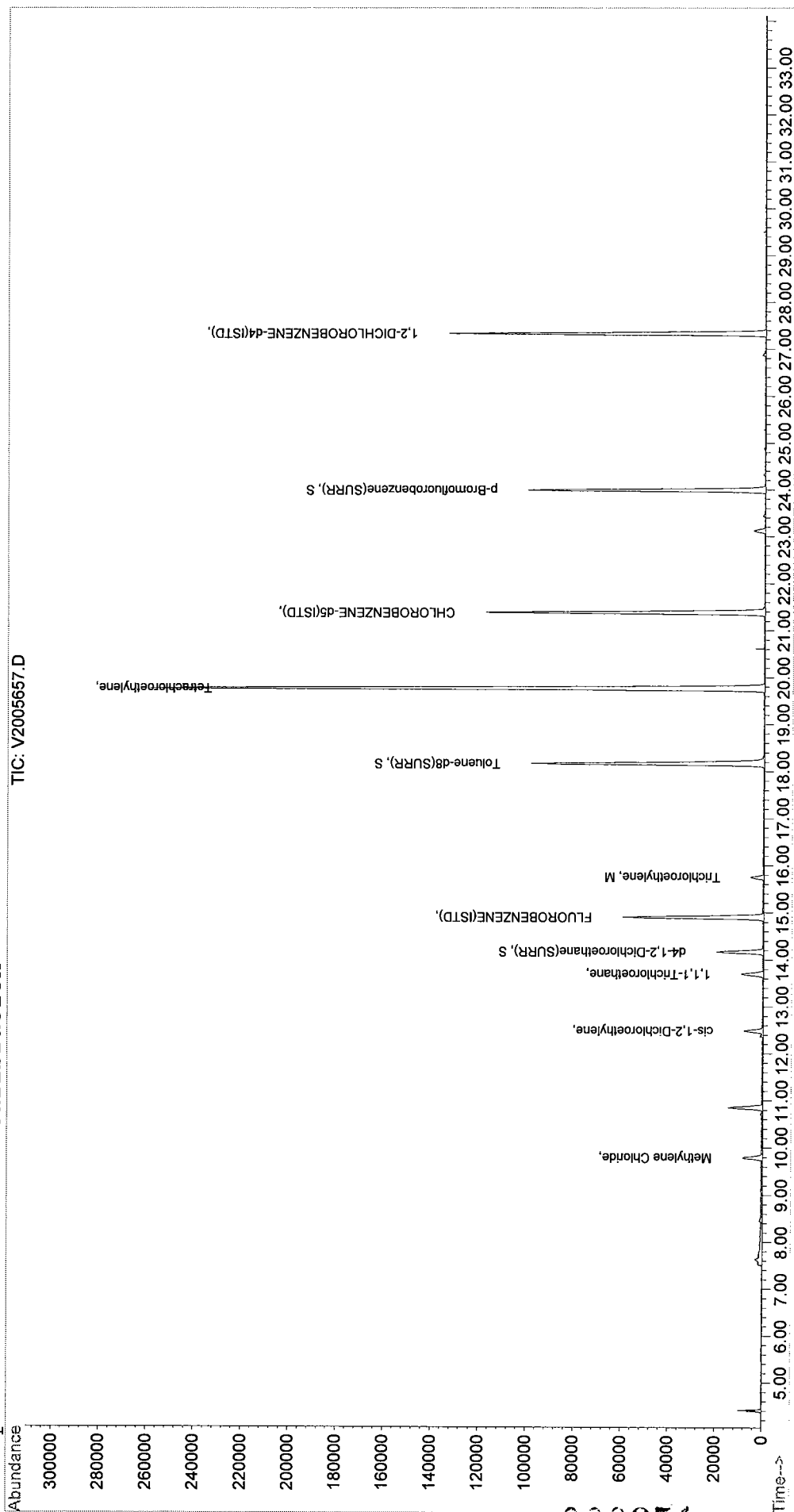
Quant Time: Oct 4 12:18 19105 Quant Results File: V2C173.RES

Method : C:\\HPCHEM\\1\\METHODS\\V2C173.M (RTE Integrator)

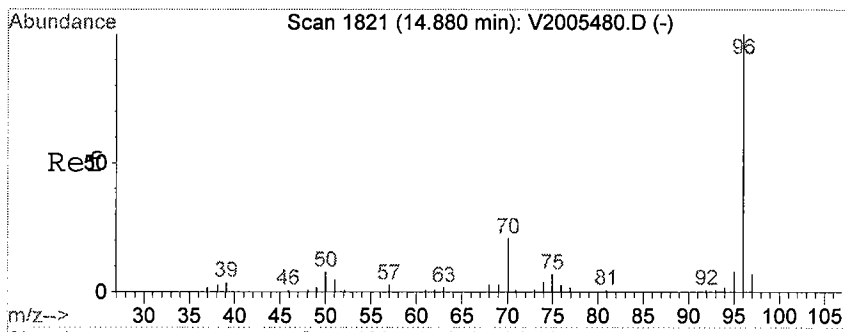
Title : VOCs BY GC/MS 8240/8260

Last Update : Thu Aug 18 08:08:33 2005

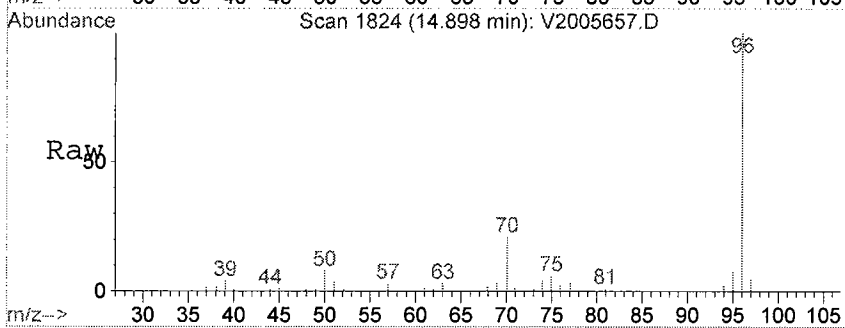
Response via : Initial Calibration



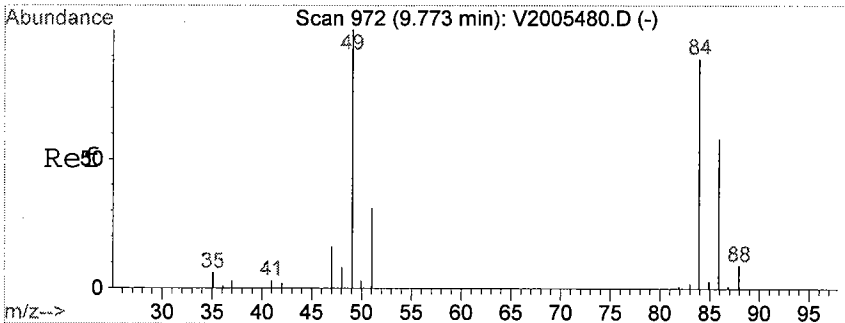
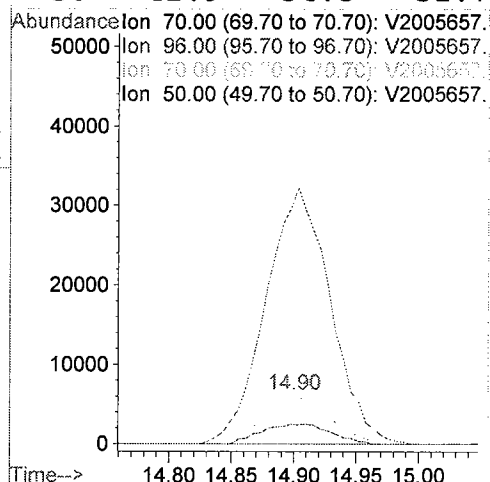
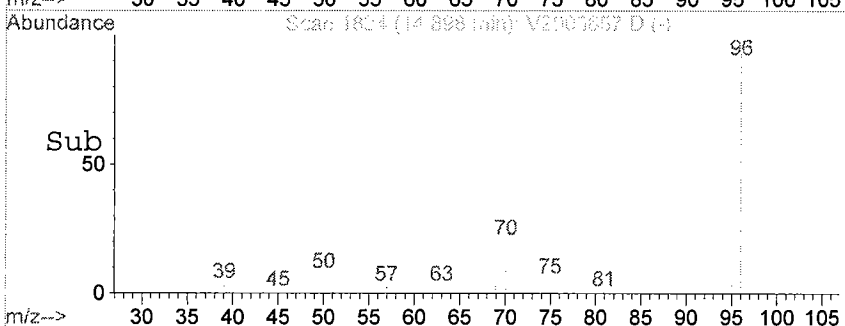
000251



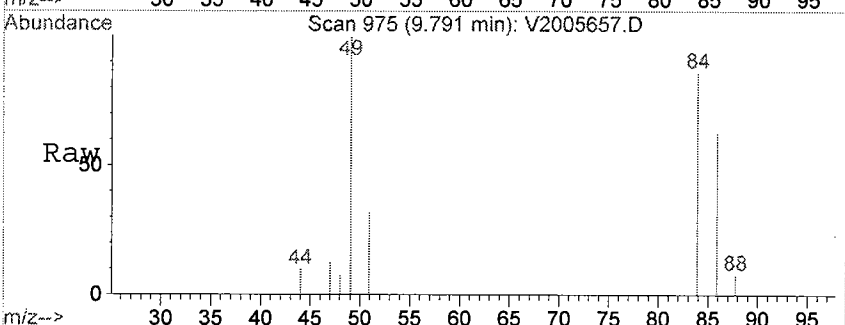
#1
 FLUOROBENZENE (ISTD)
 Concen: 50.00 ppb
 RT: 14.90 min Scan# 1824
 Delta R.T. 0.01 min
 Lab File: V2005657.D
 Acq: 25 Aug 2005 12:13 am



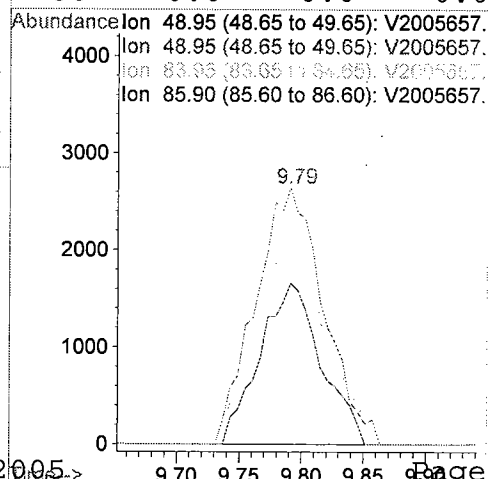
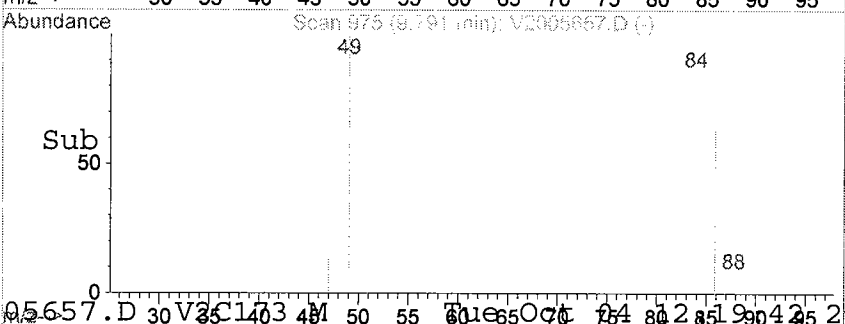
Tgt Ion: 70 Resp: 22677
 Ion Ratio Lower Upper
 70 100
 96 0.0 404.2 606.2#
 70 100.0 80.0 120.0
 50 42.9 34.5 51.7

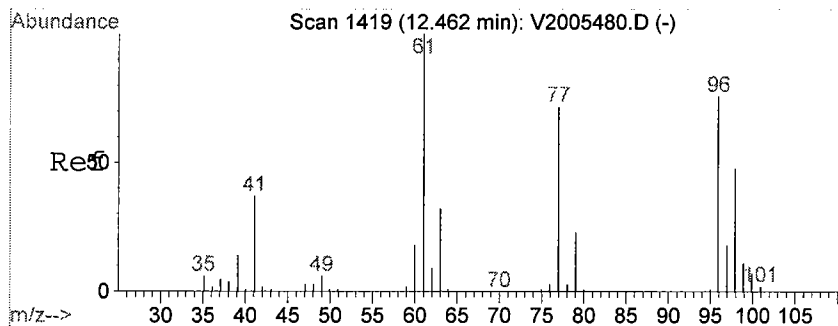


#11
 Methylene Chloride
 Concen: 32.41 ppb
 RT: 9.79 min Scan# 975
 Delta R.T. 0.02 min
 Lab File: V2005657.D
 Acq: 25 Aug 2005 12:13 am



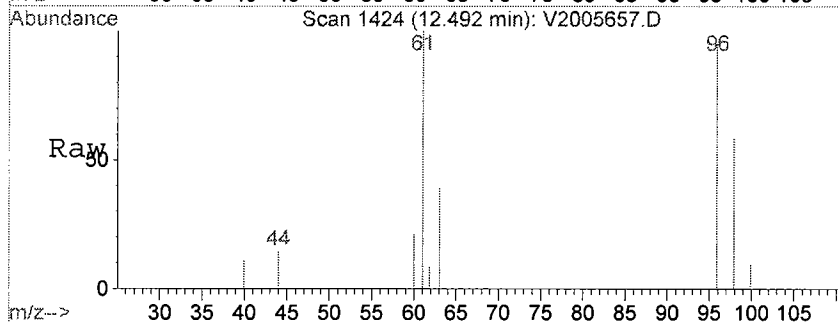
Tgt Ion: 49 Resp: 10020
 Ion Ratio Lower Upper
 49 100
 49 100.0 80.0 120.0
 84 89.4 71.8 107.8
 86 0.0 0.0 0.0



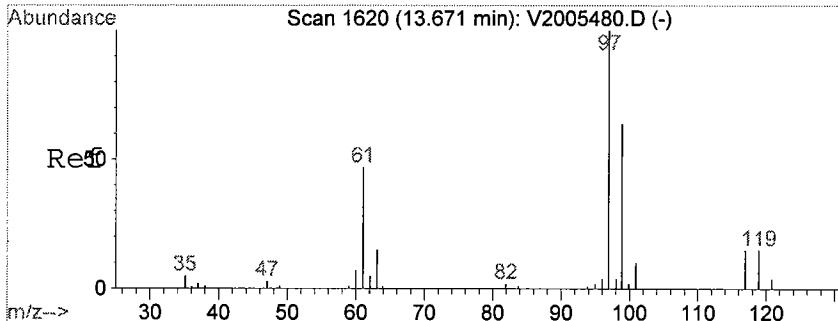
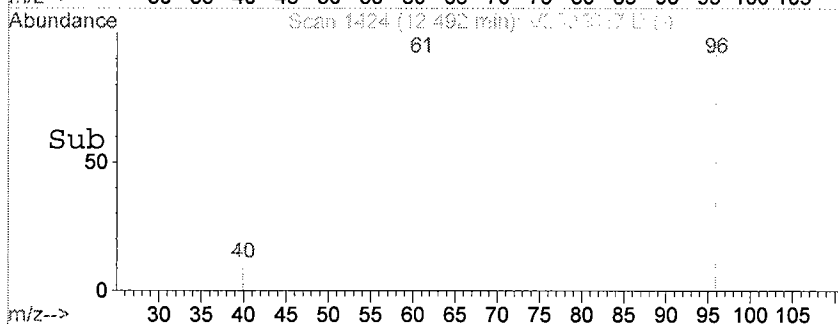
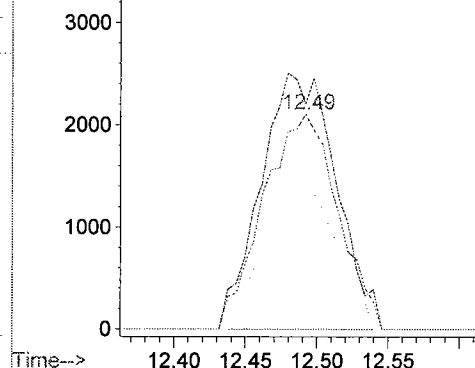


#15
 cis-1,2-Dichloroethylene
 Concen: 31.99 ppb
 RT: 12.49 min Scan# 1424
 Delta R.T. 0.03 min
 Lab File: V2005657.D
 Acq: 25 Aug 2005 12:13 am

Tgt Ion: 96 Resp: 7576
 Ion Ratio Lower Upper
 96 100
 96 100.0 80.0 120.0
 98 64.8 0.0 0.0#
 61 120.6 111.0 166.4

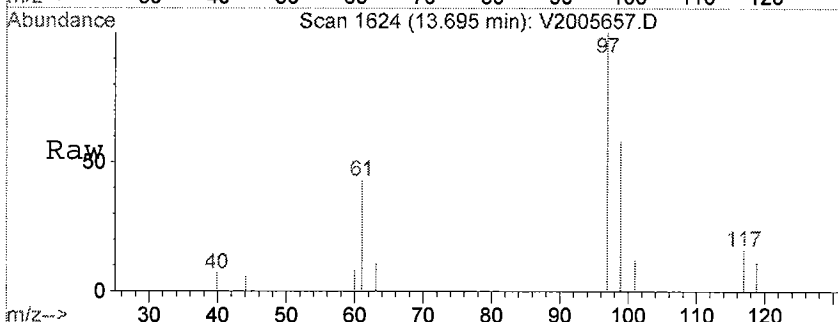


Abundance Ion 95.95 (95.65 to 96.65): V2005657.
 Ion 95.95 (95.65 to 96.65): V2005657.
 Ion 97.95 (97.65 to 98.65): V2005657.
 Ion 61.00 (60.70 to 61.70): V2005657.

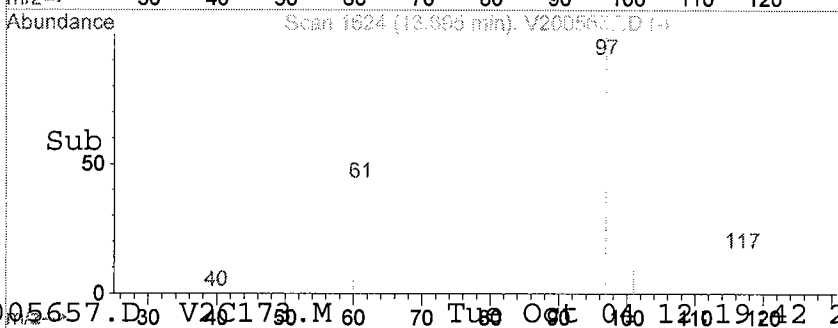
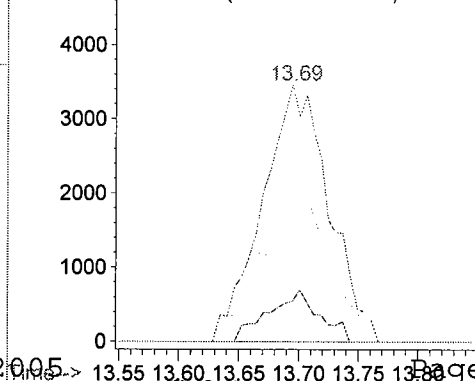


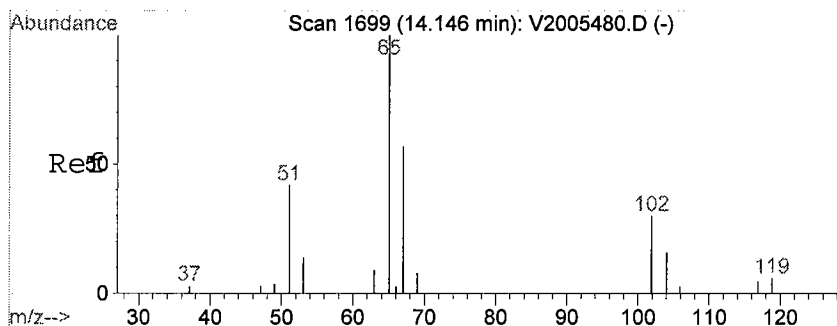
#19
 1,1,1-Trichloroethane
 Concen: 48.38 ppb
 RT: 13.69 min Scan# 1624
 Delta R.T. 0.02 min
 Lab File: V2005657.D
 Acq: 25 Aug 2005 12:13 am

Tgt Ion: 97 Resp: 13290
 Ion Ratio Lower Upper
 97 100
 97 100.0 80.0 120.0
 99 61.6 52.3 78.5
 117 15.4 12.4 18.6



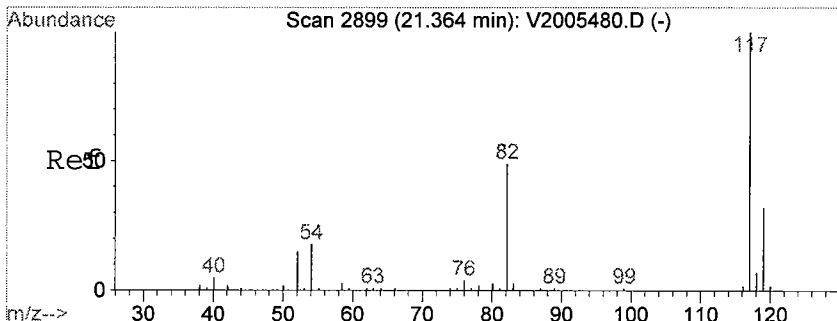
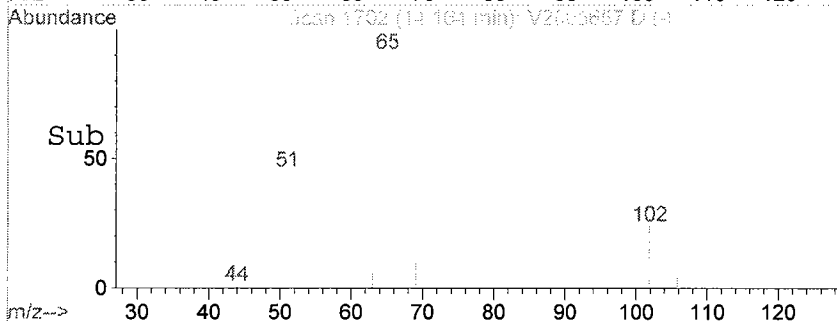
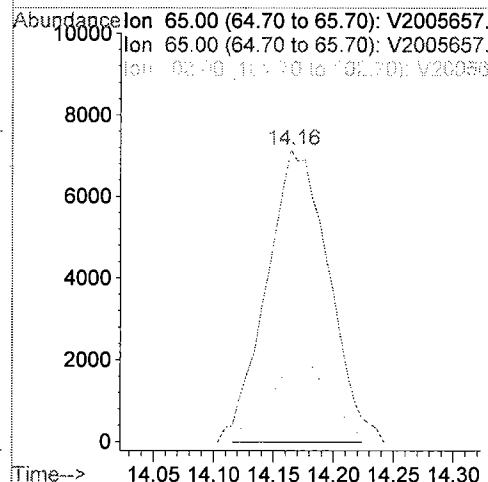
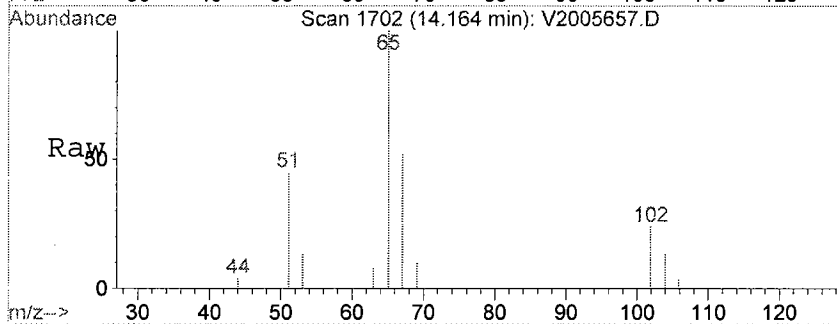
Abundance Ion 96.95 (96.65 to 97.65): V2005657.
 Ion 96.95 (96.65 to 97.65): V2005657.
 Ion 98.95 (98.65 to 99.65): V2005657.
 Ion 117.00 (116.70 to 117.70): V2005657.





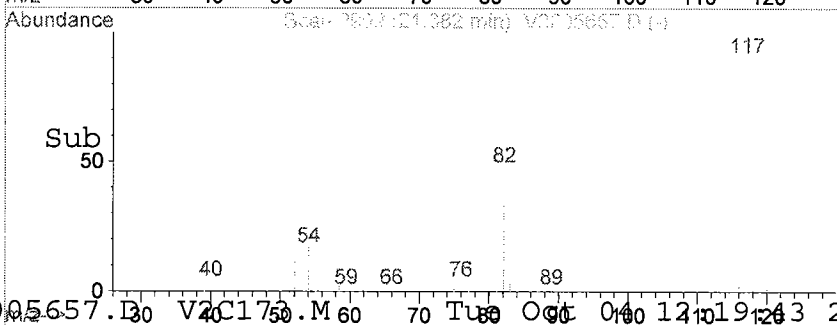
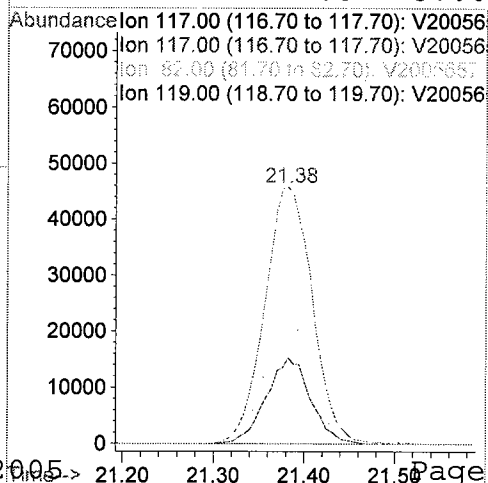
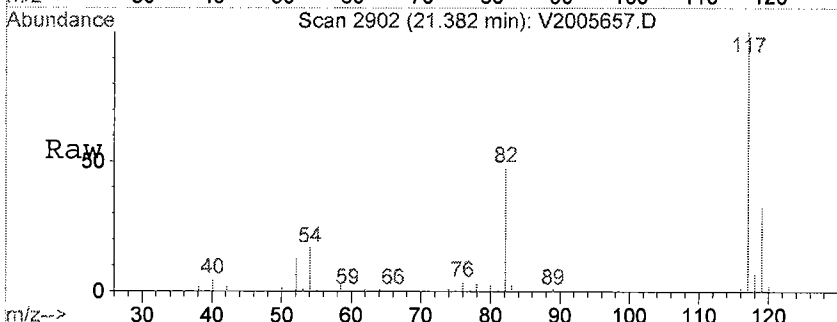
#21
d4-1,2-Dichloroethane (SURR)
Concen: 49.88 ppb
RT: 14.16 min Scan# 1702
Delta R.T. 0.01 min
Lab File: V2005657.D
Acq: 25 Aug 2005 12:13 am

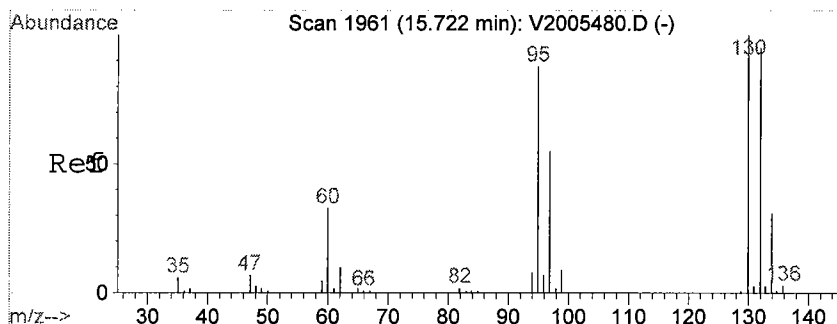
Tgt Ion	Ratio	Lower	Upper
65	100		
65	100.0	80.0	120.0
102	26.6	21.4	32.2



#25
CHLORO BENZENE-d5 (ISTD)
Concen: 50.00 ppb
RT: 21.38 min Scan# 2902
Delta R.T. 0.02 min
Lab File: V2005657.D
Acq: 25 Aug 2005 12:13 am

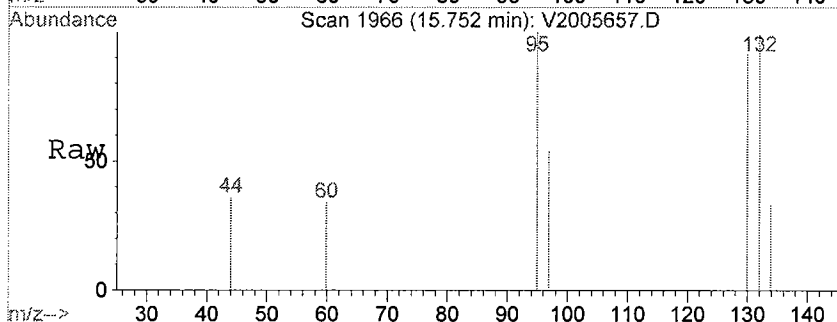
Tgt Ion	Ratio	Lower	Upper
117	100		
117	100.0	80.0	120.0
82	0.0	0.0	0.0
119	31.1	24.6	37.0



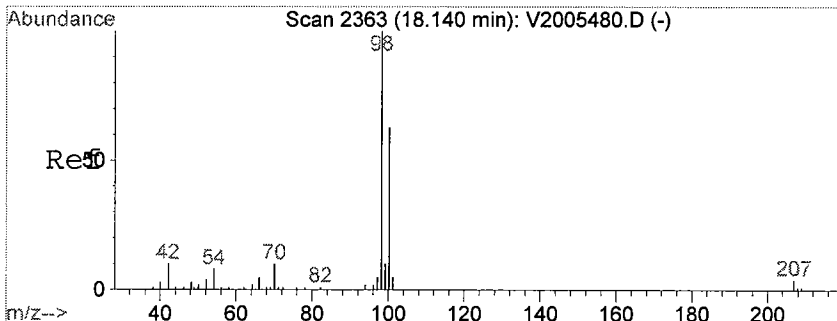
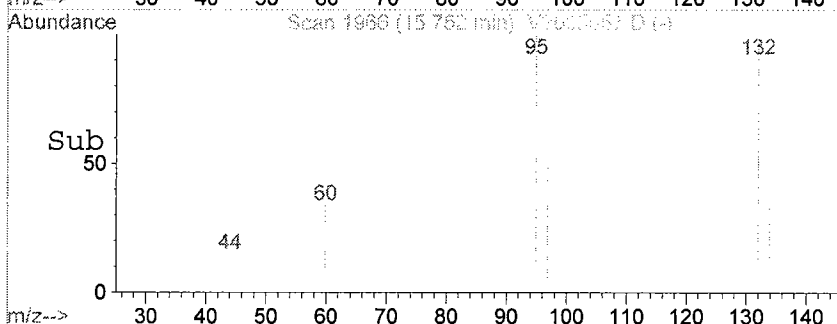
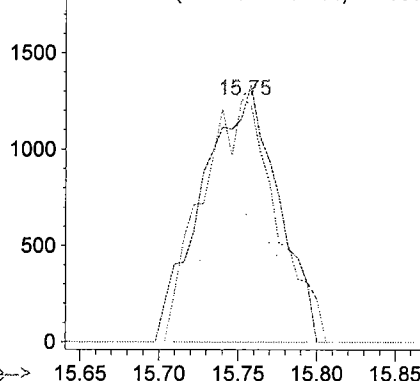


#26
 Trichloroethylene
 Concen: 17.42 ppb
 RT: 15.75 min Scan# 1966
 Delta R.T. 0.02 min
 Lab File: V2005657.D
 Acq: 25 Aug 2005 12:13 am

Tgt Ion:	95	Resp:	4158
Ion	Ratio	Lower	Upper
95	100		
95	100.0	80.0	120.0
97	59.5	51.5	77.3
130	0.0	92.2	138.2#



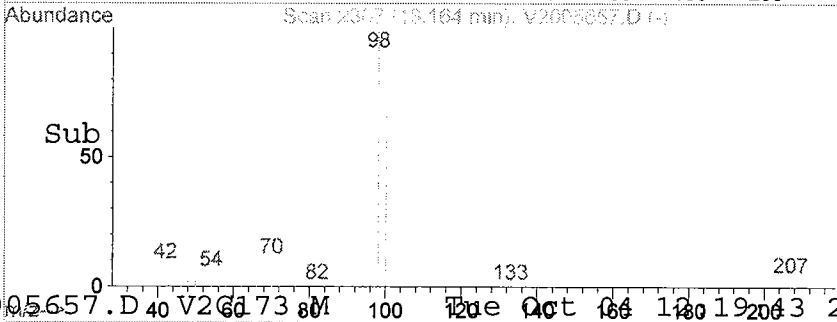
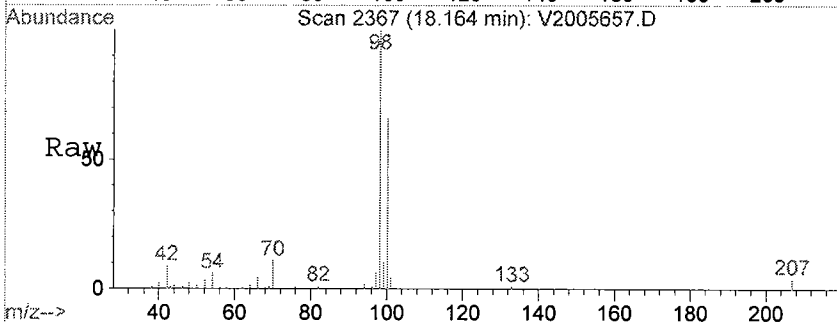
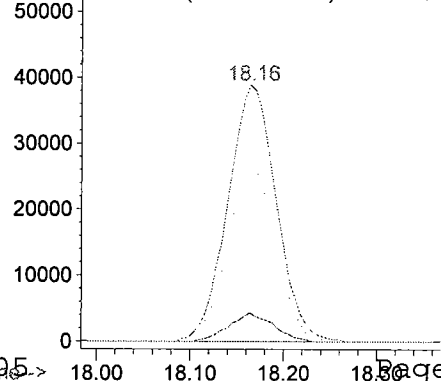
Abundance Ion 94.85 (94.55 to 95.55): V2005657.
 Ion 94.85 (94.55 to 95.55): V2005657.
 Ion 95.95 (95.65 to 96.25): V2005657.
 Ion 129.90 (129.60 to 130.60): V2005657.

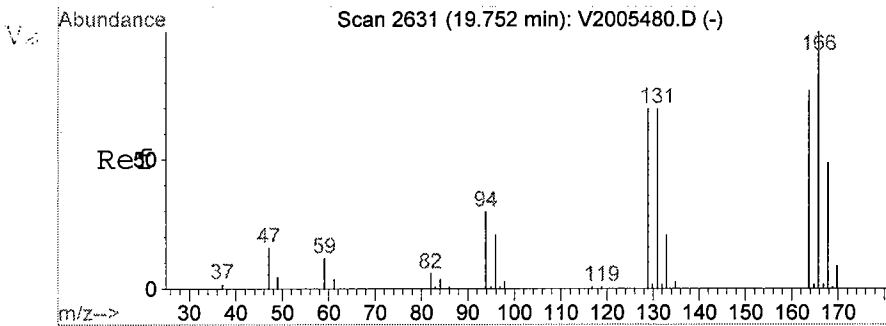


#32
 Toluene-d8 (SURR)
 Concen: 47.59 ppb
 RT: 18.16 min Scan# 2367
 Delta R.T. 0.02 min
 Lab File: V2005657.D
 Acq: 25 Aug 2005 12:13 am

Tgt Ion:	98	Resp:	139643
Ion	Ratio	Lower	Upper
98	100		
98	100.0	80.0	120.0
100	0.0	53.7	80.5#
70	10.1	8.0	12.0

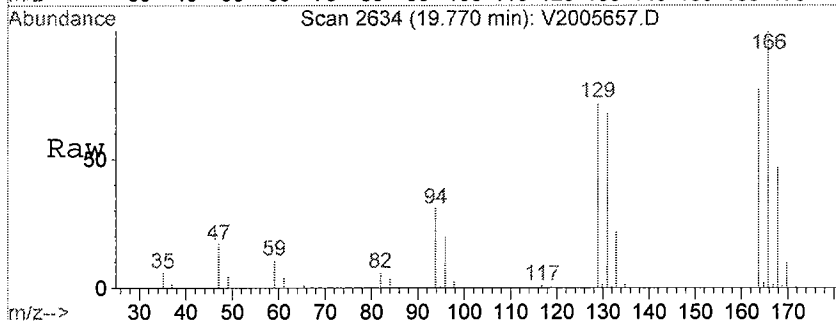
Abundance Ion 98.00 (97.70 to 98.70): V2005657.
 Ion 98.00 (97.70 to 98.70): V2005657.
 Ion 100.00 (99.70 to 100.70): V2005657.
 Ion 70.00 (69.70 to 70.70): V2005657.





#37
Tetrachloroethylene
Concen: 699.35 ppb
RT: 19.77 min Scan# 2634
Delta R.T. 0.01 min
Lab File: V2005657.D
Acq: 25 Aug 2005 12:13 am

Tgt Ion	Ratio	Lower	Upper
166	100		
166	100.0	80.0	120.0
164	0.0	0.0	0.0
129	0.0	56.6	85.0



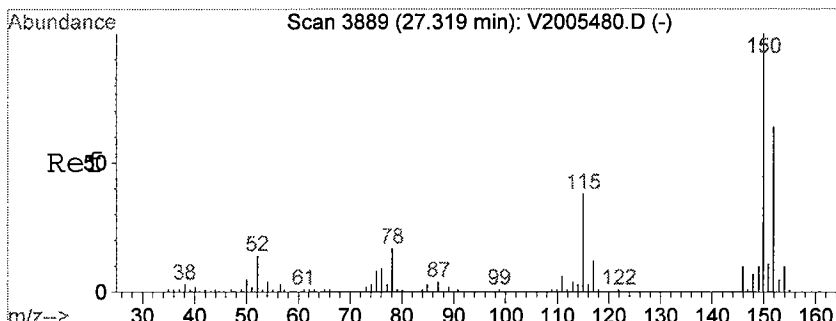
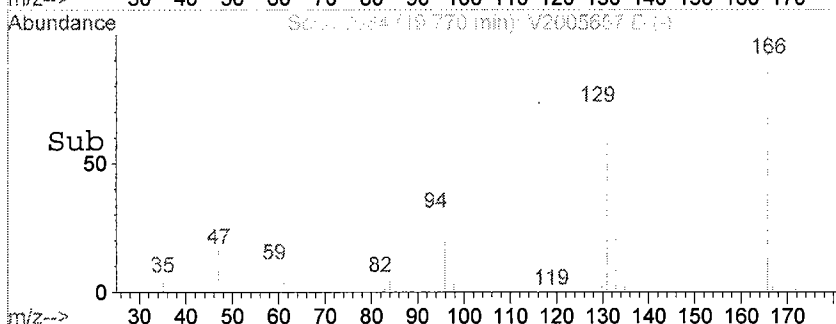
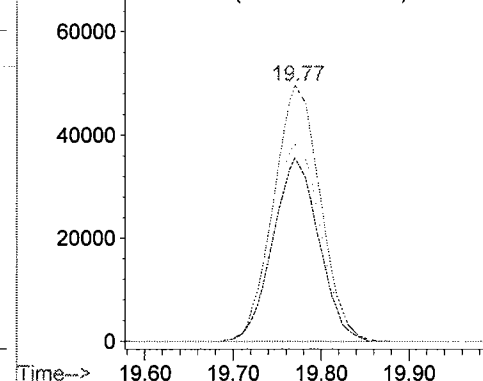
Abundance

Ion 165.85 (165.55 to 166.55): V20056

Ion 165.85 (165.55 to 166.55): V20056

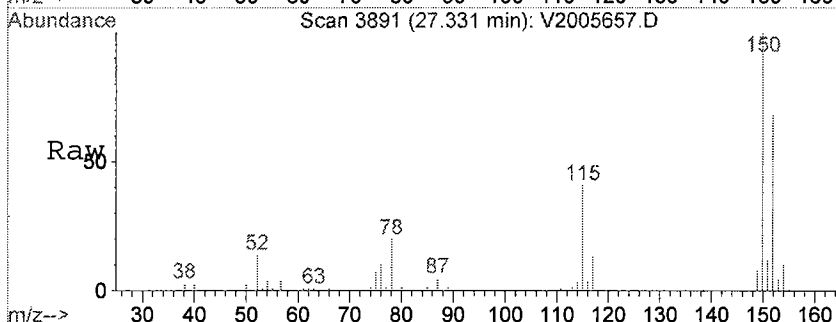
Ion 165.85 (165.55 to 166.55): V20056

Ion 128.80 (128.50 to 129.50): V20056



#47
1,2-DICHLOROBENZENE-d4 (ISTD)
Concen: 50.00 ppb
RT: 27.33 min Scan# 3891
Delta R.T. 0.02 min
Lab File: V2005657.D
Acq: 25 Aug 2005 12:13 am

Tgt 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



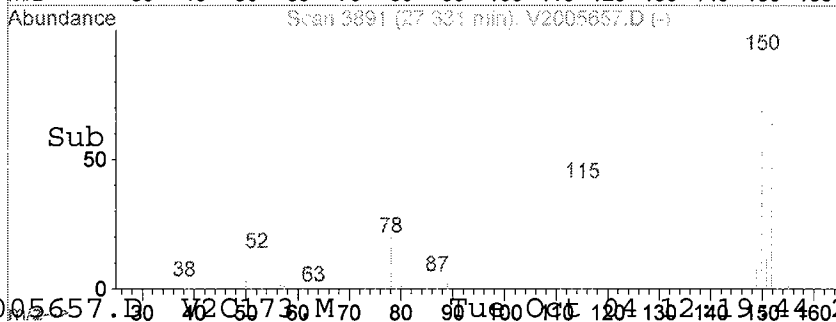
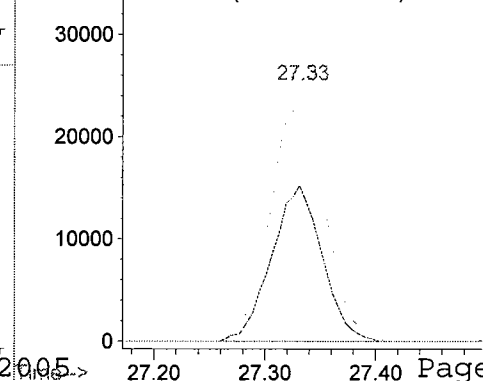
Abundance

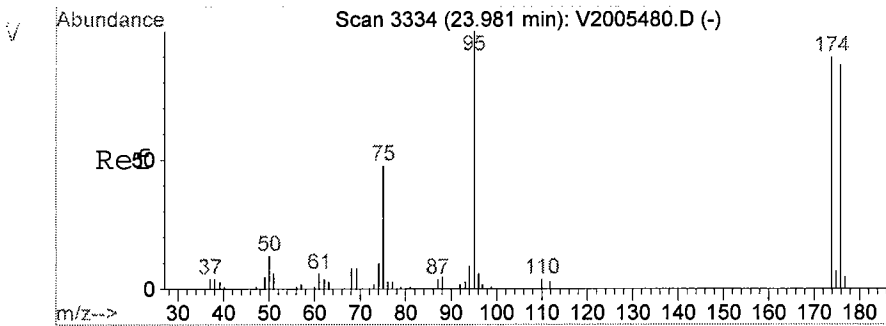
Ion 152.00 (151.70 to 152.70): V20056

Ion 152.00 (151.70 to 152.70): V20056

Ion 152.00 (151.70 to 152.70): V20056

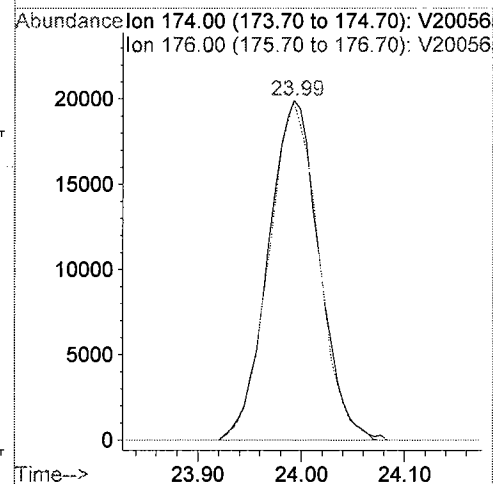
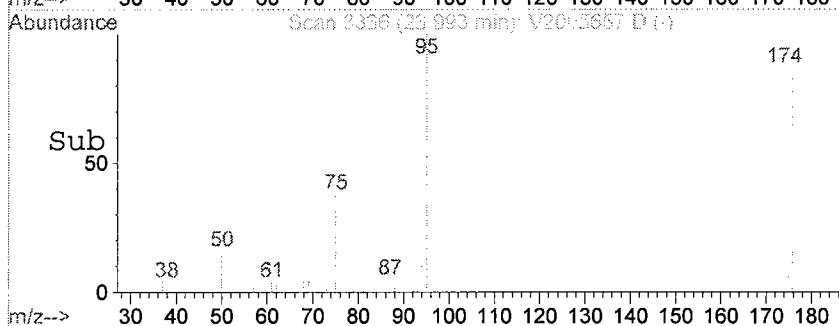
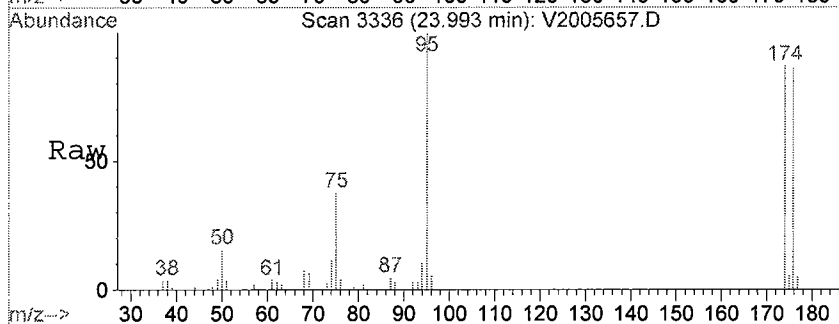
Ion 115.00 (114.70 to 115.70): V20056





#49
 p-Bromofluorobenzene (SURR)
 Concen: 49.17 ppb
 RT: 23.99 min Scan# 3336
 Delta R.T. 0.02 min
 Lab File: V2005657.D
 Acq: 25 Aug 2005 12:13 am

Tgt Ion: 174 Resp: 67885
 Ion Ratio Lower Upper
 174 100
 176 97.1 75.6 113.4



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

Matrix: WATER

Dilution Factor: 10.0

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

Date Collected: 8/15/05

Date Received: 8/17/05

Date Analyzed: 8/25/05

Level: LOW

Sample Type: WATER

SDG: 05080545

Lab ID: 05080545-15

Lab File ID: V2005657.D

CONCENTRATION

UNITS: ug/L

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
Blind Duplicate	05080545-15	Benzene	10 U
Blind Duplicate	05080545-15	Bromobenzene	10 U
Blind Duplicate	05080545-15	Bromochloromethane	10 U
Blind Duplicate	05080545-15	Bromodichloromethane	10 U
Blind Duplicate	05080545-15	Bromoform	10 U
Blind Duplicate	05080545-15	Bromomethane	10 U
Blind Duplicate	05080545-15	n-Butylbenzene	10 U
Blind Duplicate	05080545-15	sec-Butylbenzene	10 U
Blind Duplicate	05080545-15	tert-Butylbenzene	10 U
Blind Duplicate	05080545-15	Carbon tetrachloride	10 U
Blind Duplicate	05080545-15	Chlorobenzene	10 U
Blind Duplicate	05080545-15	Chloroethane	10 U
Blind Duplicate	05080545-15	Chloroform	10 U
Blind Duplicate	05080545-15	1-Chlorohexane	10 U
Blind Duplicate	05080545-15	Chloromethane	10 U
Blind Duplicate	05080545-15	2-Chlorotoluene	10 U
Blind Duplicate	05080545-15	4-Chlorotoluene	10 U
Blind Duplicate	05080545-15	Dibromochloromethane	10 U
Blind Duplicate	05080545-15	1,2-Dibromo-3-chloropropane	10 U
Blind Duplicate	05080545-15	1,2-Dibromoethane	10 U
Blind Duplicate	05080545-15	Dibromomethane	10 U
Blind Duplicate	05080545-15	1,2-Dichlorobenzene	10 U
Blind Duplicate	05080545-15	1,3-Dichlorobenzene	10 U
Blind Duplicate	05080545-15	1,4-Dichlorobenzene	10 U
Blind Duplicate	05080545-15	Dichlorodifluoromethane	10 U
Blind Duplicate	05080545-15	1,1-Dichloroethane	10 U
Blind Duplicate	05080545-15	1,2-Dichloroethane	10 U
Blind Duplicate	05080545-15	1,1-Dichloroethylene	10 U
Blind Duplicate	05080545-15	1,2-Dichloroethylene (Total)	32(cis-)
Blind Duplicate	05080545-15	1,2-Dichloropropane	10 U
Blind Duplicate	05080545-15	1,3-Dichloropropane	10 U
Blind Duplicate	05080545-15	2,2-Dichloropropane	10 U
Blind Duplicate	05080545-15	1,1-Dichloropropylene	10 U

Client Sample ID

Blind Duplicate

CONCENTRATION
UNITS: ug/L

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
Blind Duplicate	05080545-15	cis-1,3-Dichloropropylene	10 U
Blind Duplicate	05080545-15	trans-1,3-Dichloropropylene	10 U
Blind Duplicate	05080545-15	Ethylbenzene	10 U
Blind Duplicate	05080545-15	Hexachlorobutadiene	10 U
Blind Duplicate	05080545-15	Isopropylbenzene	10 U
Blind Duplicate	05080545-15	p-Isopropyltoluene	10 U
Blind Duplicate	05080545-15	Methylene chloride	32 B
Blind Duplicate	05080545-15	Naphthalene	10 U
Blind Duplicate	05080545-15	n-Propylbenzene	10 U
Blind Duplicate	05080545-15	Styrene	10 U
Blind Duplicate	05080545-15	1,1,1,2-Tetrachloroethane	10 U
Blind Duplicate	05080545-15	1,1,2,2-Tetrachloroethane	10 U
Blind Duplicate	05080545-15	Tetrachloroethylene	700
Blind Duplicate	05080545-15	Toluene	10 U
Blind Duplicate	05080545-15	1,2,3-Trichlorobenzene	10 U
Blind Duplicate	05080545-15	1,2,4-Trichlorobenzene	10 U
Blind Duplicate	05080545-15	1,1,1-Trichloroethane	48
Blind Duplicate	05080545-15	1,1,2-Trichloroethane	10 U
Blind Duplicate	05080545-15	Trichloroethylene	17
Blind Duplicate	05080545-15	Trichlorofluoromethane	10 U
Blind Duplicate	05080545-15	1,2,3-Trichloropropane	10 U
Blind Duplicate	05080545-15	1,2,3-Trimethylbenzene	10 U
Blind Duplicate	05080545-15	1,2,4-Trimethylbenzene	10 U
Blind Duplicate	05080545-15	1,3,5-Trimethylbenzene	10 U
Blind Duplicate	05080545-15	Vinyl chloride	10 U
Blind Duplicate	05080545-15	o-Xylene	10 U
Blind Duplicate	05080545-15	p- & m-Xylenes	10 U
Blind Duplicate	05080545-15	MTBE	10 U

Form 1-VOA

000259

Blind Duplicate

Sample Type: **WATER**

SDG: 05080545-15

Lab ID: 05080545-15

Lab ID: 05080545-15

Lab File ID: V2005657.D

CONCENTRATION
UNITS: ug/L DRY

Form 1-VOA

LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\V2005657.D Vial: 15
Acq On : 25 Aug 2005 12:13 am Operator: SS
Sample : 05080545-15 \$8260W/VOATICW RE 5ML/50ML A Inst : VOA No. 2
Misc : QBV2082405A Multiplr: 10.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
Title : VOCs BY GC/MS 8240/8260
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.5 % of largest Peak
Start Thrs: 0.001 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	4.416	62	65	73	rVB	10035	9296	0.97%	0.306%
2	7.547	595	602	603	rBV	2055	5402	0.57%	0.178%
3	7.637	607	617	624	rVB4	1997	7658	0.80%	0.252%
4	9.791	964	975	988	rBV3	8202	31803	3.33%	1.045%
5	10.850	1140	1151	1164	rBV4	14472	52879	5.55%	1.738%
6	12.486	1413	1423	1437	rVB3	7928	28381	2.98%	0.933%
7	13.695	1609	1624	1638	rVB4	9136	36856	3.86%	1.211%
8	14.170	1683	1703	1716	rBV3	19964	73991	7.76%	2.432%
9	14.904	1811	1825	1841	rBV2	59489	216230	22.67%	7.106%
10	15.758	1956	1967	1981	rVB4	5664	21109	2.21%	0.694%
11	18.164	2348	2367	2388	rBV	98401	380111	39.86%	12.492%
12	19.770	2617	2634	2652	rBB	258948	953632	100.00%	31.341%
13	21.382	2886	2902	2921	rBV2	117780	424398	44.50%	13.948%
14	23.120	3178	3191	3203	rBV3	5029	19768	2.07%	0.650%
15	23.993	3321	3336	3352	rBV	100179	334601	35.09%	10.997%
16	27.331	3878	3891	3910	rBV	133714	446600	46.83%	14.678%

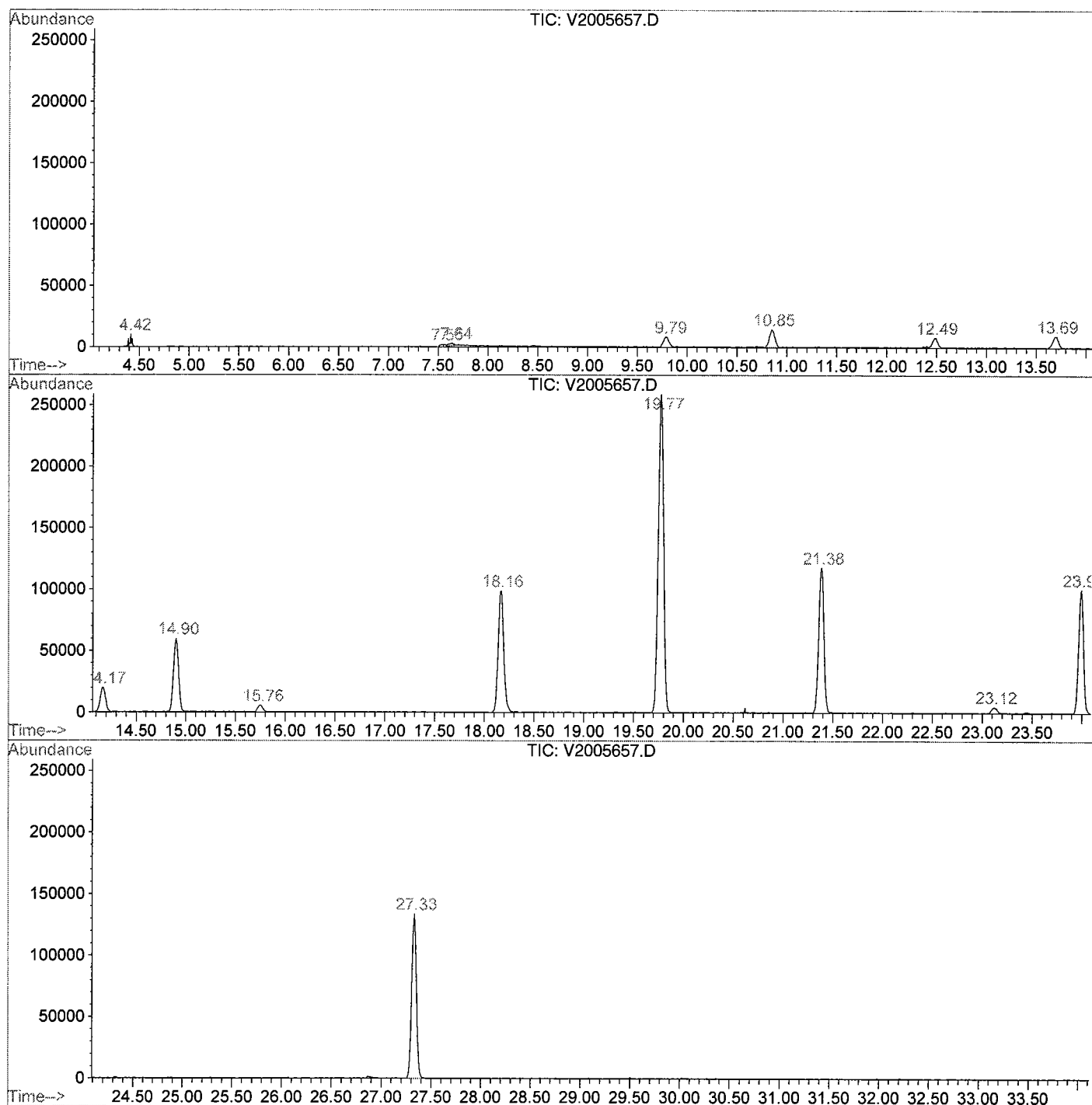
Sum of corrected areas: 3042715

V2005657.D V2C173.M Thu Aug 25 09:25:09 2005

000261

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\V2005657.D
 Operator : SS
 Acquired : 25 Aug 2005 12:13 am using AcqMethod V2C173
 Instrument : VOA No. 2
 Sample Name: 05080545-15 \$8260W/VOATICW RE 5ML/50ML A
 Misc Info : QBV2082405A
 Vial Number: 15
 Quant File :V2C173.RES (RTE Integrator)



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\V2005657.D

Vial: 15

Acq On : 25 Aug 2005 12:13 am

Operator: SS

Sample : 05080545-15 \$8260W/VOATICW RE 5ML/50ML A Inst : VOA No. 2

Misc : QBV2082405A

Multiplr: 10.00

MS Integration Params: RTEINT.P

Quant Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

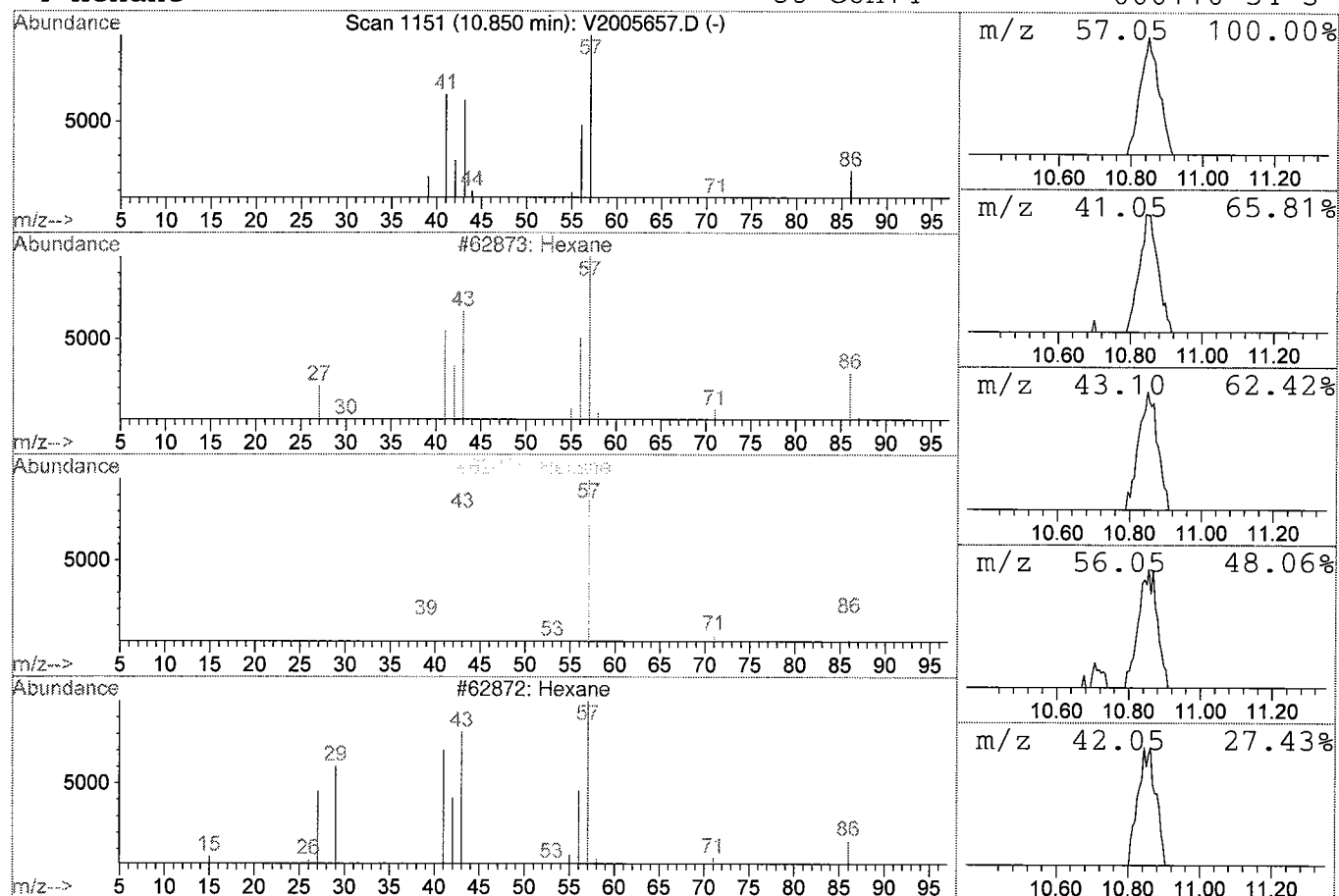
Title : VOCs BY GC/MS 8240/8260

Library : C:\DATABASE\NBS75K.L

Peak Number 1 Hexane

Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.		
10.85	122.28 ppb	52879	FLUOROBENZENE(ISTD)	14.90		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane		86	C6H14	000110-54-3	86
2	Hexane		86	C6H14	000110-54-3	78
3	Hexane		86	C6H14	000110-54-3	64
4	Hexane		86	C6H14	000110-54-3	64



Client Sample ID

Equipment Blank

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

Matrix: WATER

Dilution Factor: 1.0

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

Date Collected: 8/15/05

Date Received: 8/17/05

Date Analyzed: 8/24/05

Level: LOW

Sample Type: WATER

SDG: 05080545

Lab ID: 05080545-16

Lab File ID: V2005632.D

CONCENTRATION
UNITS: ug/L

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
Equipment Blank	05080545-16	Benzene	1 U
Equipment Blank	05080545-16	Bromobenzene	1 U
Equipment Blank	05080545-16	Bromochloromethane	1 U
Equipment Blank	05080545-16	Bromodichloromethane	1 U
Equipment Blank	05080545-16	Bromoform	1 U
Equipment Blank	05080545-16	Bromomethane	1 U
Equipment Blank	05080545-16	n-Butylbenzene	1 U
Equipment Blank	05080545-16	sec-Butylbenzene	1 U
Equipment Blank	05080545-16	tert-Butylbenzene	1 U
Equipment Blank	05080545-16	Carbon tetrachloride	1 U
Equipment Blank	05080545-16	Chlorobenzene	1 U
Equipment Blank	05080545-16	Chloroethane	1 U
Equipment Blank	05080545-16	Chloroform	1 U
Equipment Blank	05080545-16	1-Chlorohexane	1 U
Equipment Blank	05080545-16	Chloromethane	1 U
Equipment Blank	05080545-16	2-Chlorotoluene	1 U
Equipment Blank	05080545-16	4-Chlorotoluene	1 U
Equipment Blank	05080545-16	Dibromochloromethane	1 U
Equipment Blank	05080545-16	1,2-Dibromo-3-chloropropane	1 U
Equipment Blank	05080545-16	1,2-Dibromoethane	1 U
Equipment Blank	05080545-16	Dibromomethane	1 U
Equipment Blank	05080545-16	1,2-Dichlorobenzene	1 U
Equipment Blank	05080545-16	1,3-Dichlorobenzene	1 U
Equipment Blank	05080545-16	1,4-Dichlorobenzene	1 U
Equipment Blank	05080545-16	Dichlorodifluoromethane	1 U
Equipment Blank	05080545-16	1,1-Dichloroethane	1 U
Equipment Blank	05080545-16	1,2-Dichloroethane	1 U
Equipment Blank	05080545-16	1,1-Dichloroethylene	1 U
Equipment Blank	05080545-16	1,2-Dichloroethylene (Total)	1 U
Equipment Blank	05080545-16	1,2-Dichloropropane	1 U
Equipment Blank	05080545-16	1,3-Dichloropropane	1 U
Equipment Blank	05080545-16	2,2-Dichloropropane	1 U
Equipment Blank	05080545-16	1,1-Dichloropropylene	1 U

Client Sample ID

Equipment Blank

CONCENTRATION
UNITS: ug/L

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
Equipment Blank	05080545-16	cis-1,3-Dichloropropylene	1 U
Equipment Blank	05080545-16	trans-1,3-Dichloropropylene	1 U
Equipment Blank	05080545-16	Ethylbenzene	1 U
Equipment Blank	05080545-16	Hexachlorobutadiene	1 U
Equipment Blank	05080545-16	Isopropylbenzene	1 U
Equipment Blank	05080545-16	p-Isopropyltoluene	1 U
Equipment Blank	05080545-16	Methylene chloride	3 B
Equipment Blank	05080545-16	Naphthalene	1 U
Equipment Blank	05080545-16	n-Propylbenzene	1 U
Equipment Blank	05080545-16	Styrene	1 U
Equipment Blank	05080545-16	1,1,1,2-Tetrachloroethane	1 U
Equipment Blank	05080545-16	1,1,2,2-Tetrachloroethane	1 U
Equipment Blank	05080545-16	Tetrachloroethylene	1 U
Equipment Blank	05080545-16	Toluene	1 U
Equipment Blank	05080545-16	1,2,3-Trichlorobenzene	1 U
Equipment Blank	05080545-16	1,2,4-Trichlorobenzene	1 U
Equipment Blank	05080545-16	1,1,1-Trichloroethane	1 U
Equipment Blank	05080545-16	1,1,2-Trichloroethane	1 U
Equipment Blank	05080545-16	Trichloroethylene	1 U
Equipment Blank	05080545-16	Trichlorofluoromethane	1 U
Equipment Blank	05080545-16	1,2,3-Trichloropropane	1 U
Equipment Blank	05080545-16	1,2,3-Trimethylbenzene	1 U
Equipment Blank	05080545-16	1,2,4-Trimethylbenzene	1 U
Equipment Blank	05080545-16	1,3,5-Trimethylbenzene	1 U
Equipment Blank	05080545-16	Vinyl chloride	1 U
Equipment Blank	05080545-16	o-Xylene	1 U
Equipment Blank	05080545-16	p- & m-Xylenes	1 U
Equipment Blank	05080545-16	MTBE	1 U

Form 1-VOA

Data File : C:\HPCHEM\1\DATA\V2005632.D
Acq On : 24 Aug 2005 6:51 am
Sample : 05080545-16 \$8260W/VOATICW ASPB
Misc : QBV2082305B
MS Integration Params: rteint.p
Quant Time: Oct 4 12:21 19105

Vial: 25
Operator: SS
Inst : VOA No. 2
Multiplr: 1.00

Quant Results File: V2C173.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260
Last Update : Thu Aug 18 08:08:33 2005
Response via : Initial Calibration
DataAcq Meth : V2C173

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.95	70	22336	50.00	ppb	0.07
25) CHLOROBENZENE-d5(ISTD)	21.43	117	159711	50.00	ppb	0.07
47) 1,2-DICHLOROBENZENE-d4(IST	27.37	152	77821	50.00	ppb	0.05

System Monitoring Compounds

21) d4-1,2-Dichloroethane(SURR	14.22	65	25442	50.05	ppb	0.07
Spiked Amount	50.000	Range	37 - 128	Recovery	=	100.10%
32) Toluene-d8(SURR)	18.21	98	136663	48.64	ppb	0.06
Spiked Amount	50.000	Range	40 - 61	Recovery	=	97.28%#
49) p-Bromofluorobenzene(SURR)	24.03	174	66981	50.24	ppb	0.06
Spiked Amount	50.000	Range	39 - 68	Recovery	=	100.48%#

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
11) Methylene Chloride	9.83	49	9397	3.09	ppb	# 55

To

1

4

6

9

1

1

1

1

1

1

1

1

1

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

V2005632.D V2C173.M Tue Oct 04 12:22:13 2005

Page 1

000266

Data File: C:\HPCHEM\1\DATA\V2005632.D

Acq On : 24 Aug 2005 6:51 am

Sample : 05080545-16 \$8260W/VOAT1CW ASPB

Misc : QBV2082305B

MS Integration Params: rteint.p

Quant Time: Oct 4 12:21 19105

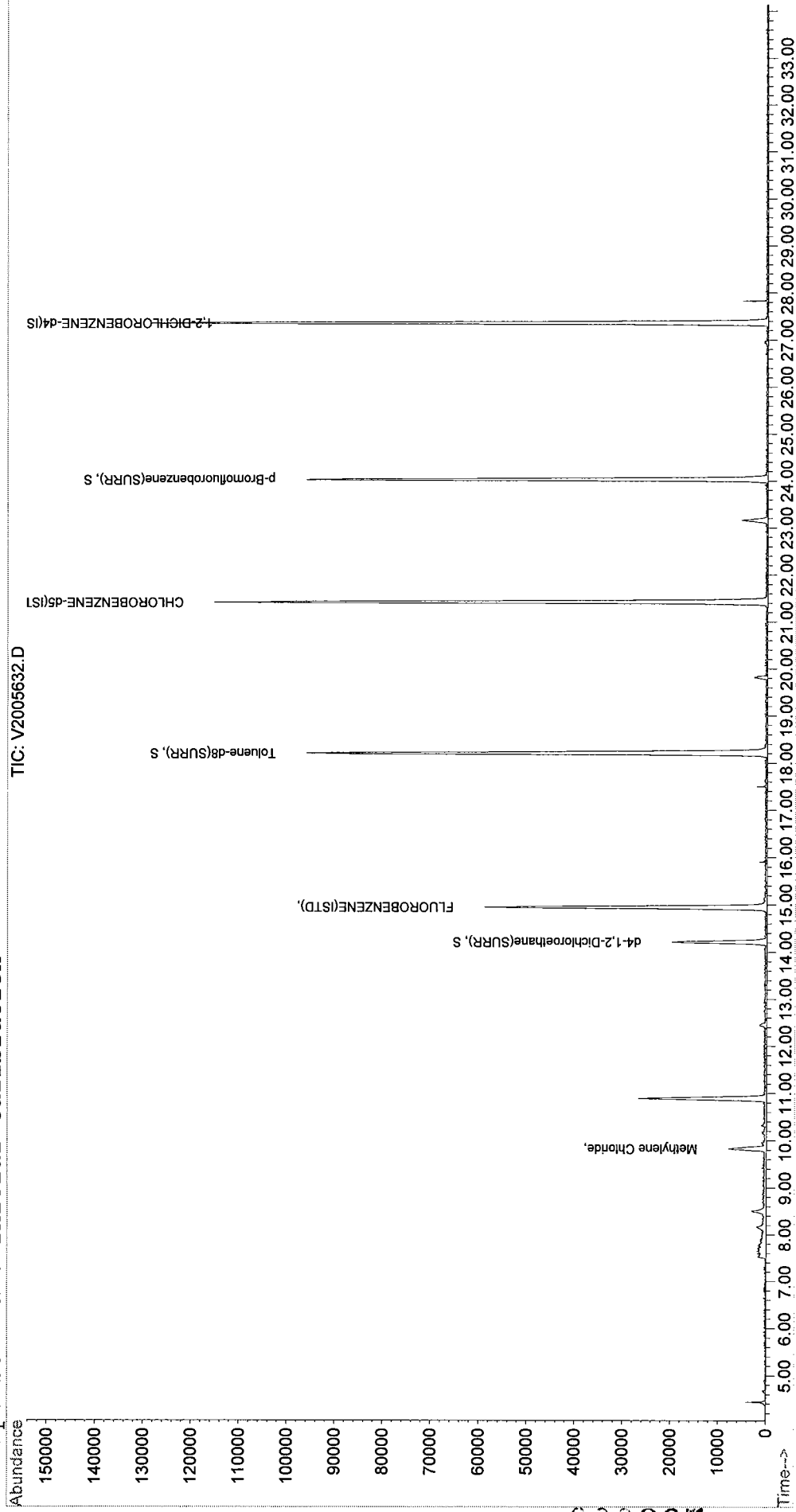
Quant Results File: V2C173.RES

Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

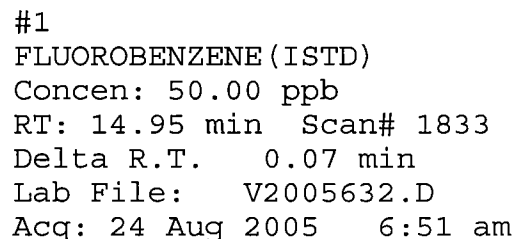
Title : VOCs BY GC/MS 8240/8260

Last Update : Thu Aug 18 08:08:33 2005

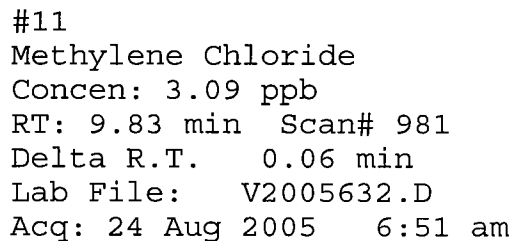
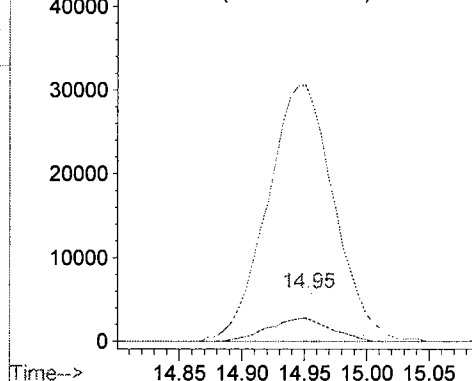
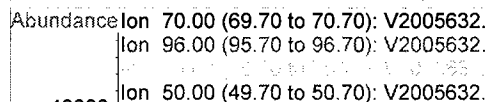
Response via : Initial Calibration



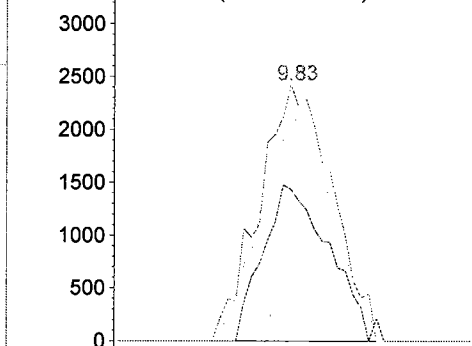
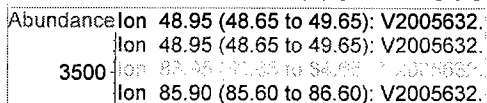
000267

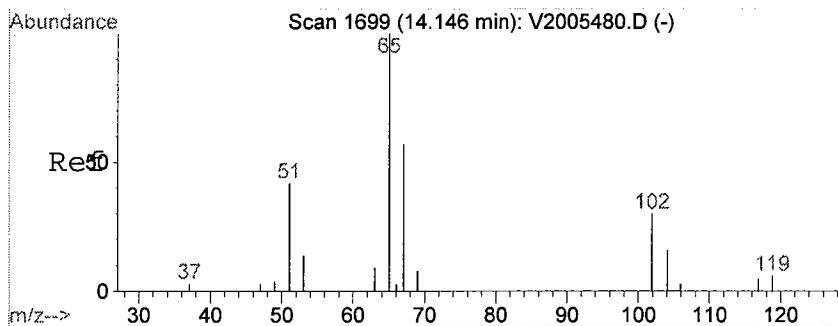


Tgt	Ion: 70	Resp:	22336
Ion	Ratio	Lower	Upper
70	100		
96	509.5	404.2	606.2
70	100.0	80.0	120.0
50	0.0	34.5	51.7#



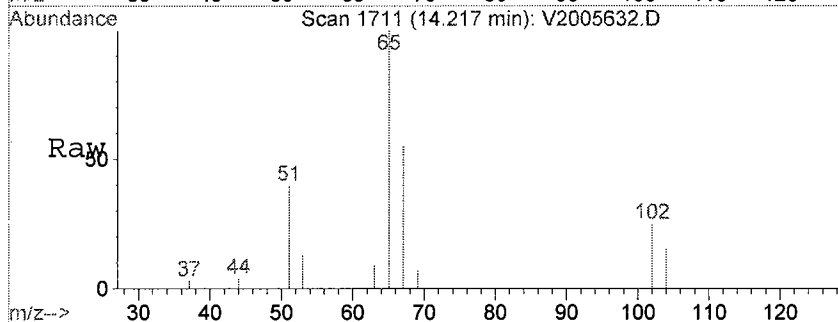
Tgt	Ion: 49	Resp:	9397
Ion	Ratio	Lower	Upper
49	100		
49	100.0	80.0	120.0
84	0.0	71.8	107.8#
86	55.8	0.0	0.0#



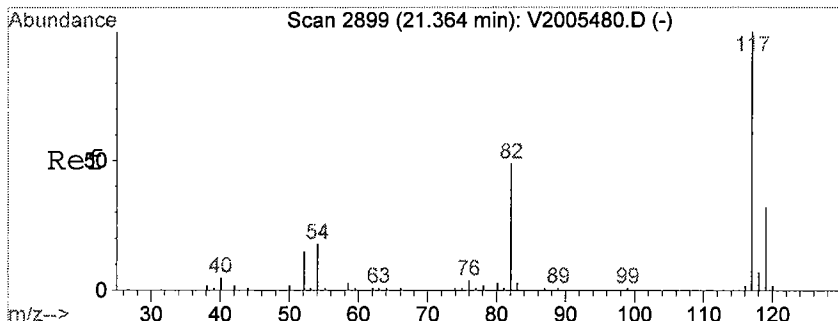
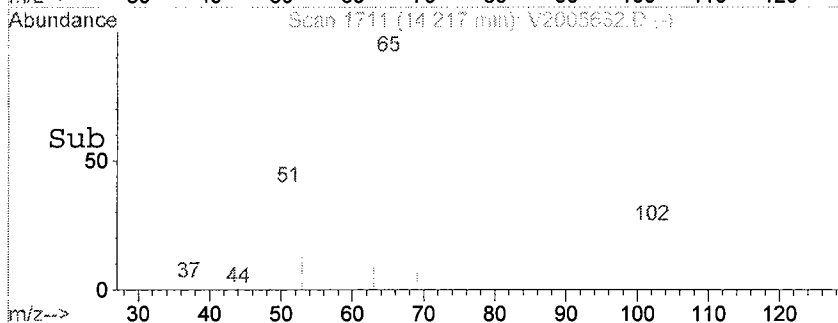
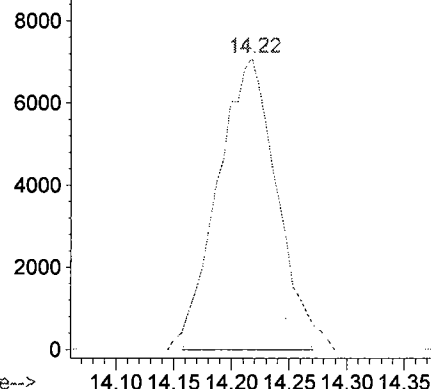


#21
d4-1,2-Dichloroethane (SURR)
Concen: 50.05 ppb
RT: 14.22 min Scan# 1711
Delta R.T. 0.07 min
Lab File: V2005632.D
Acq: 24 Aug 2005 6:51 am

Tgt Ion	Ratio	Lower	Upper
65	100		
65	100.0	80.0	120.0
102	27.1	21.4	32.2

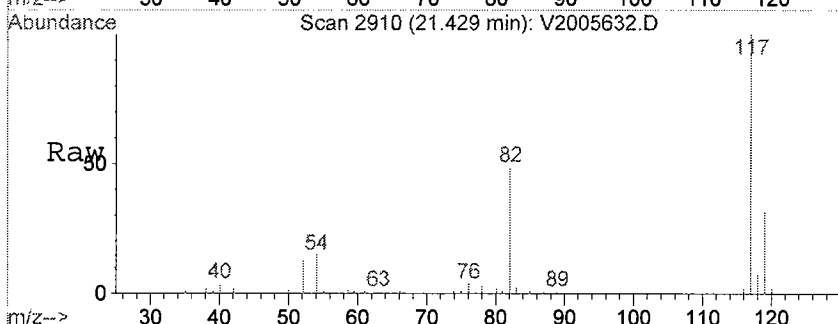


Abundance Ion 65.00 (64.70 to 65.70): V2005632.
Ion 65.00 (64.70 to 65.70): V2005632.
Ion 102.00 (101.70 to 102.70): V2005632.

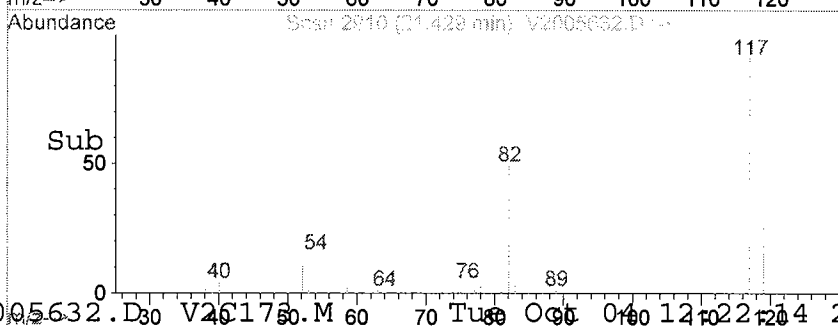
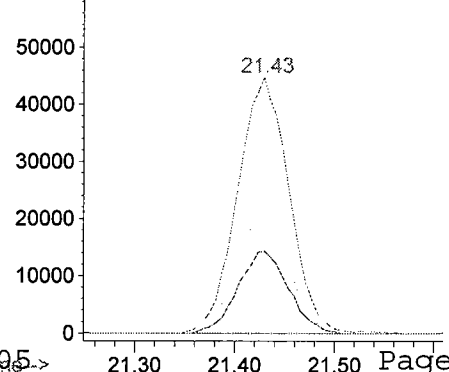


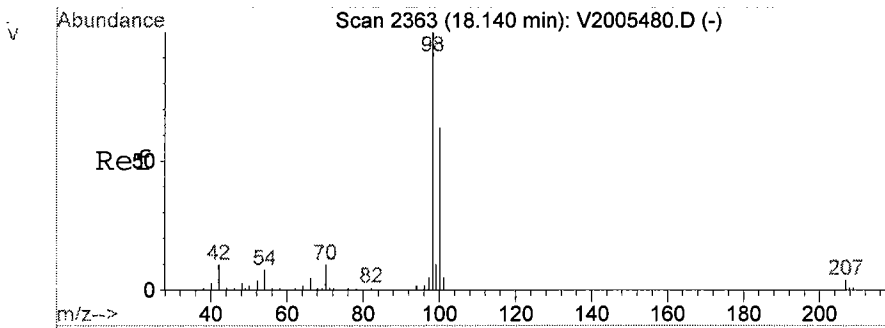
#25
CHLOROBENZENE-d5 (ISTD)
Concen: 50.00 ppb
RT: 21.43 min Scan# 2910
Delta R.T. 0.07 min
Lab File: V2005632.D
Acq: 24 Aug 2005 6:51 am

Tgt Ion	Ratio	Lower	Upper
117	100		
117	100.0	80.0	120.0
82	0.0	0.0	0.0
119	31.5	24.6	37.0



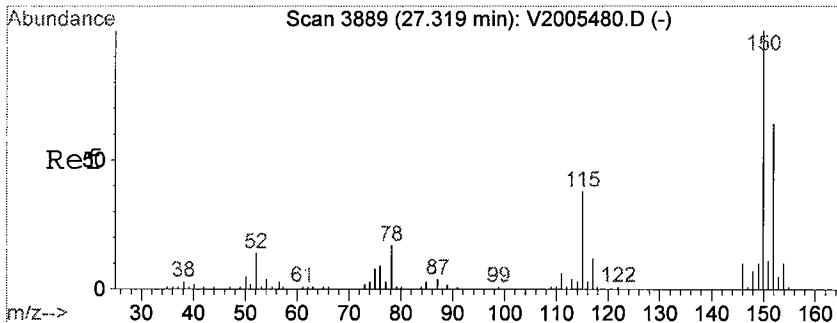
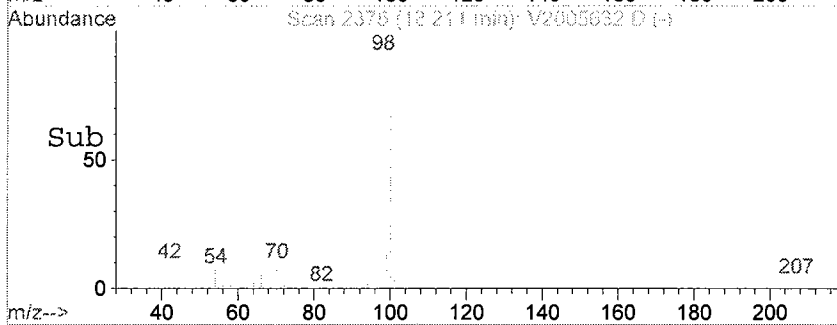
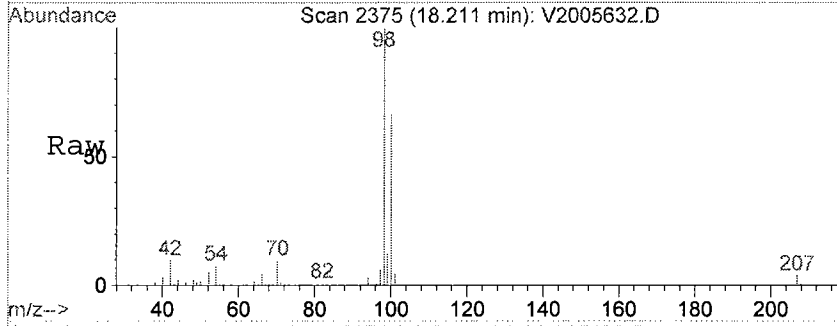
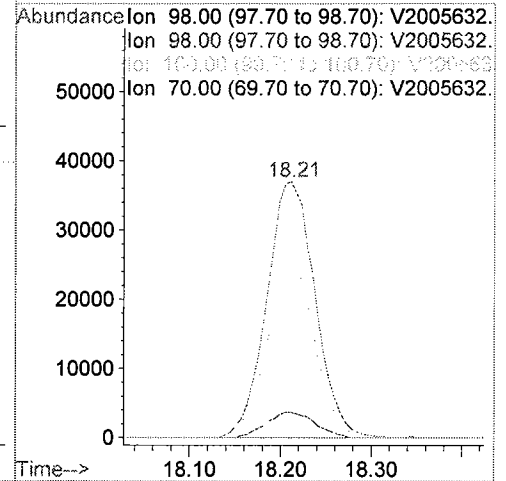
Abundance Ion 117.00 (116.70 to 117.70): V2005632.
Ion 117.00 (116.70 to 117.70): V2005632.
Ion 82.00 (81.70 to 82.70): V2005632.
Ion 119.00 (118.70 to 119.70): V2005632.





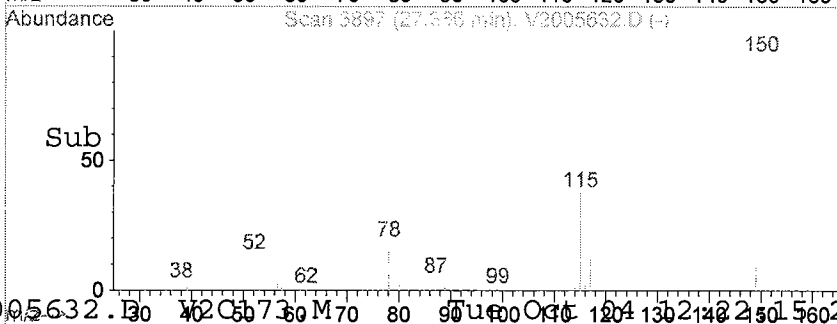
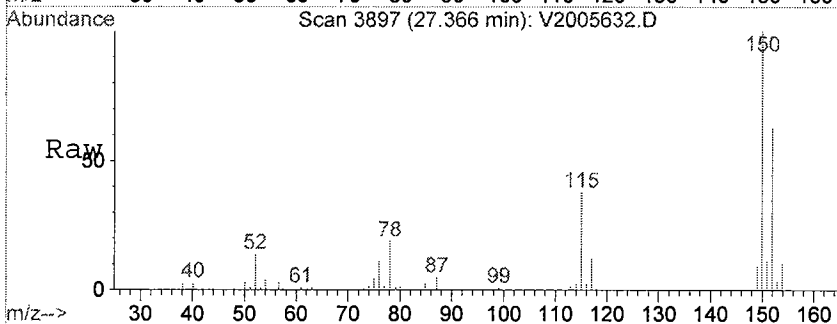
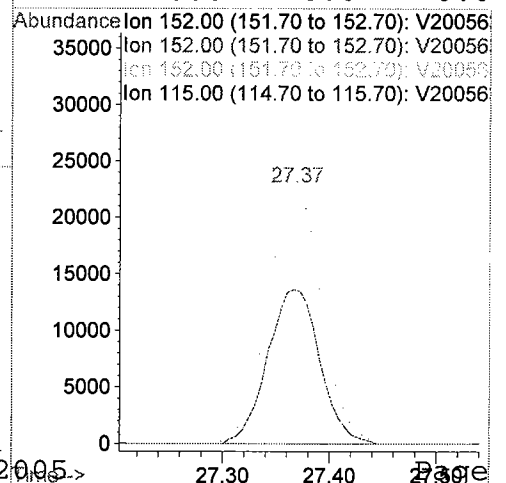
#32
Toluene-d8 (SURR)
Concen: 48.64 ppb
RT: 18.21 min Scan# 2375
Delta R.T. 0.06 min
Lab File: V2005632.D
Acq: 24 Aug 2005 6:51 am

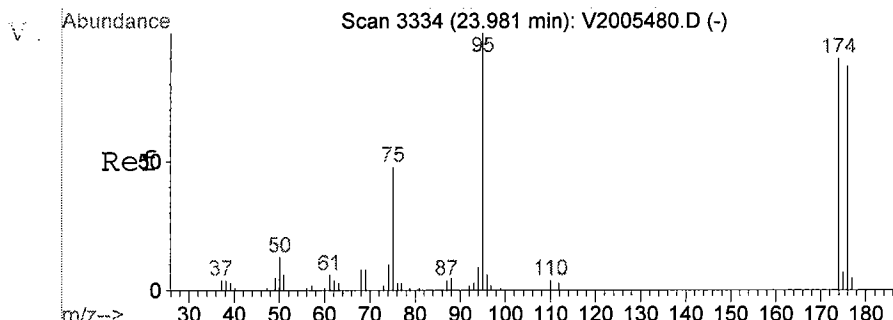
Tgt Ion:	98	Resp:	136663
Ion	Ratio	Lower	Upper
98	100		
98	100.0	80.0	120.0
100	67.9	53.7	80.5
70	10.0	8.0	12.0



#47
1,2-DICHLOROBENZENE-d4 (ISTD)
Concen: 50.00 ppb
RT: 27.37 min Scan# 3897
Delta R.T. 0.05 min
Lab File: V2005632.D
Acq: 24 Aug 2005 6:51 am

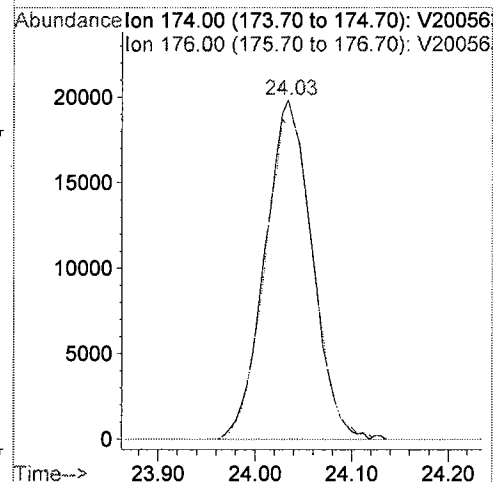
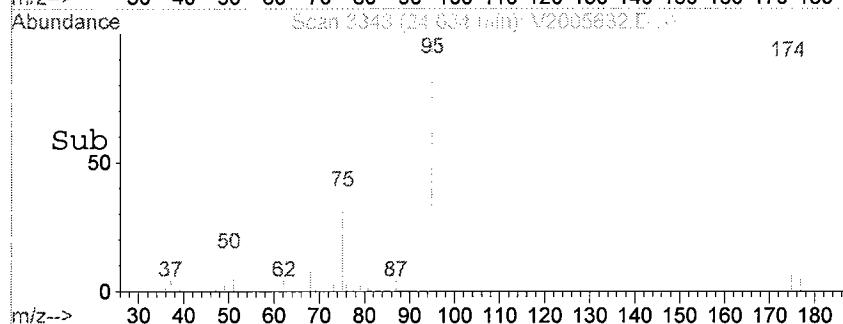
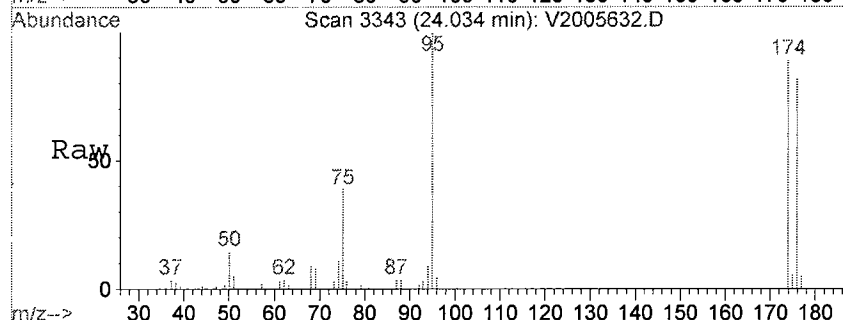
Tgt Ion:	152	Resp:	77821
Ion	Ratio	Lower	Upper
152	100		
152	100.0	80.0	120.0
152	100.0	80.0	120.0
115	0.0	0.0	0.0





#49
 p-Bromofluorobenzene (SURR)
 Concen: 50.24 ppb
 RT: 24.03 min Scan# 3343
 Delta R.T. 0.06 min
 Lab File: V2005632.D
 Acq: 24 Aug 2005 6:51 am

Tgt Ion: 174 Resp: 66981
 Ion Ratio Lower Upper
 174 100
 176 97.3 75.6 113.4



Client Sample ID

Equipment Blank

Sample Amount: SOIL=1.0g/WATER=5.0ml

Date Collected: 8/15/05

Sample Type: **WATER**

Matrix: WATER

Date Received: 8/17/05

Dilution Factor: 1.00

Date Analyzed: 8/24/05

SDG: 05080545-16

Level: **LOW**

Lab ID: 05080545-16

Lab File ID: V2005632.D

CONCENTRATION
UNITS: ug/L DRY

[illegible]

LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\V2005632.D Vial: 25
Acq On : 24 Aug 2005 6:51 am Operator: SS
Sample : 05080545-16 \$8260W/VOATICW ASPB Inst : VOA No. 2
Misc : QBV2082305B Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
Title : VOCs BY GC/MS 8240/8260
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.5 % of largest Peak
Start Thrs: 0.001 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	4.440	60	69	76	rVB	4196	4495	1.03%	0.222%
2	7.528	593	599	604	rBV2	1767	5135	1.18%	0.254%
3	8.172	694	706	715	rVB4	1537	5852	1.35%	0.289%
4	8.509	749	762	775	rVB2	2616	9521	2.19%	0.471%
5	9.826	969	981	995	rBV4	7589	29342	6.75%	1.450%
6	10.891	1144	1158	1172	rBV3	26504	99911	22.99%	4.938%
7	12.443	1405	1416	1429	rBV3	1602	7181	1.65%	0.355%
8	14.211	1698	1710	1726	rBB3	19604	70199	16.16%	3.470%
9	14.951	1814	1833	1846	rBV2	58902	217160	49.98%	10.734%
10	18.211	2360	2375	2399	rBV2	95994	372365	85.70%	18.405%
11	19.811	2635	2641	2642	rBV3	2750	4437	1.02%	0.219%
12	19.823	2642	2643	2649	rVB3	2873	4093	0.94%	0.202%
13	21.429	2894	2910	2932	rVB2	115147	405669	93.37%	20.051%
14	23.168	3182	3199	3211	rBB4	5524	21642	4.98%	1.070%
15	24.034	3329	3343	3358	rVV	95944	328428	75.59%	16.233%
16	27.372	3882	3898	3913	rBV2	128458	434493	100.00%	21.476%
17	27.829	3970	3974	3981	rBB	5295	3237	0.75%	0.160%

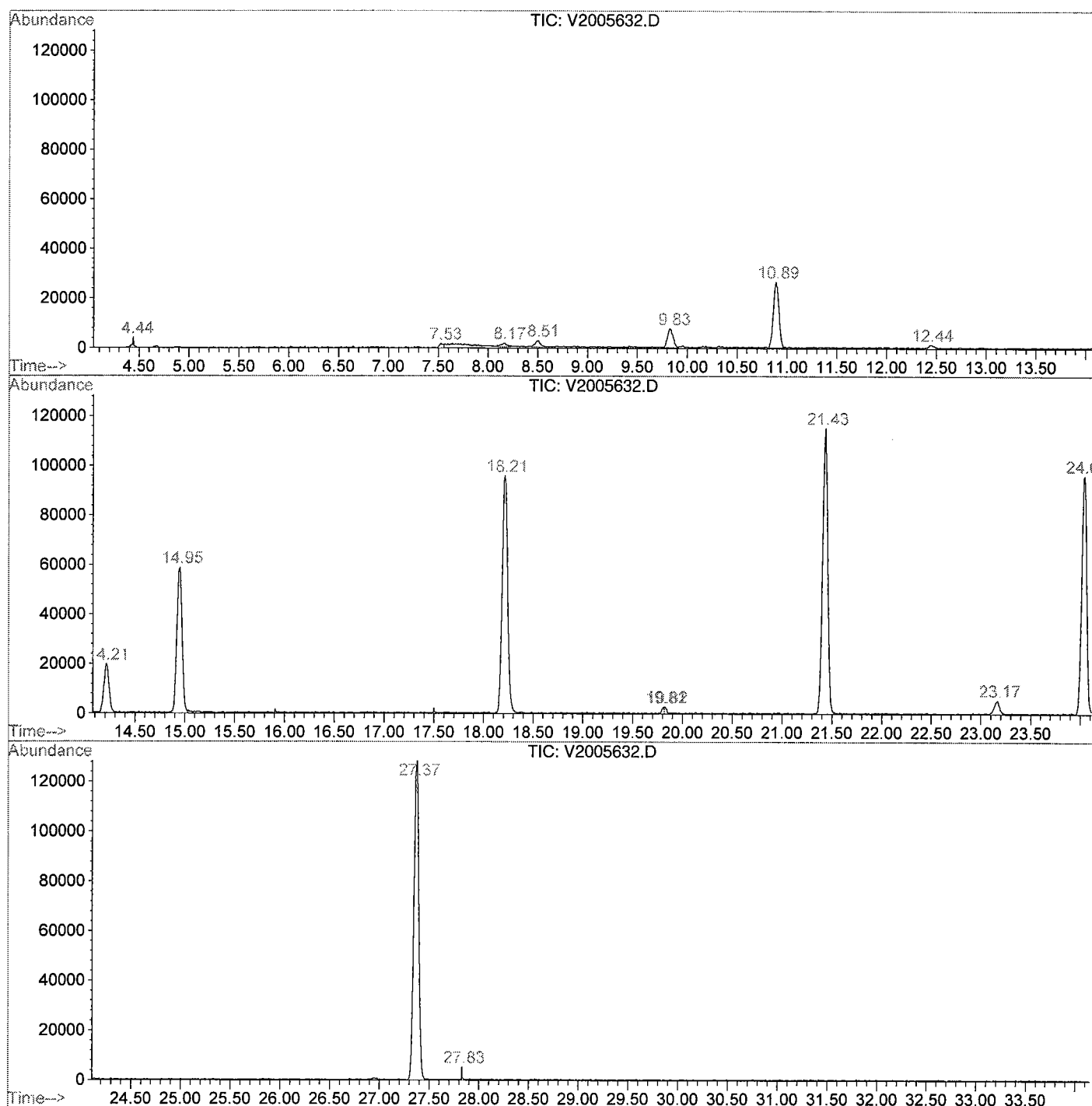
Sum of corrected areas: 2023160

V2005632.D V2C173.M Wed Aug 24 10:51:01 2005

000273

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\V2005632.D
 Operator : SS
 Acquired : 24 Aug 2005 6:51 am using AcqMethod V2C173
 Instrument : VOA No. 2
 Sample Name: 05080545-16 \$8260W/VOATICW ASPB
 Misc Info : QBV2082305B
 Vial Number: 25
 Quant File :V2C173.RES (RTE Integrator)



Library Search Compound Report

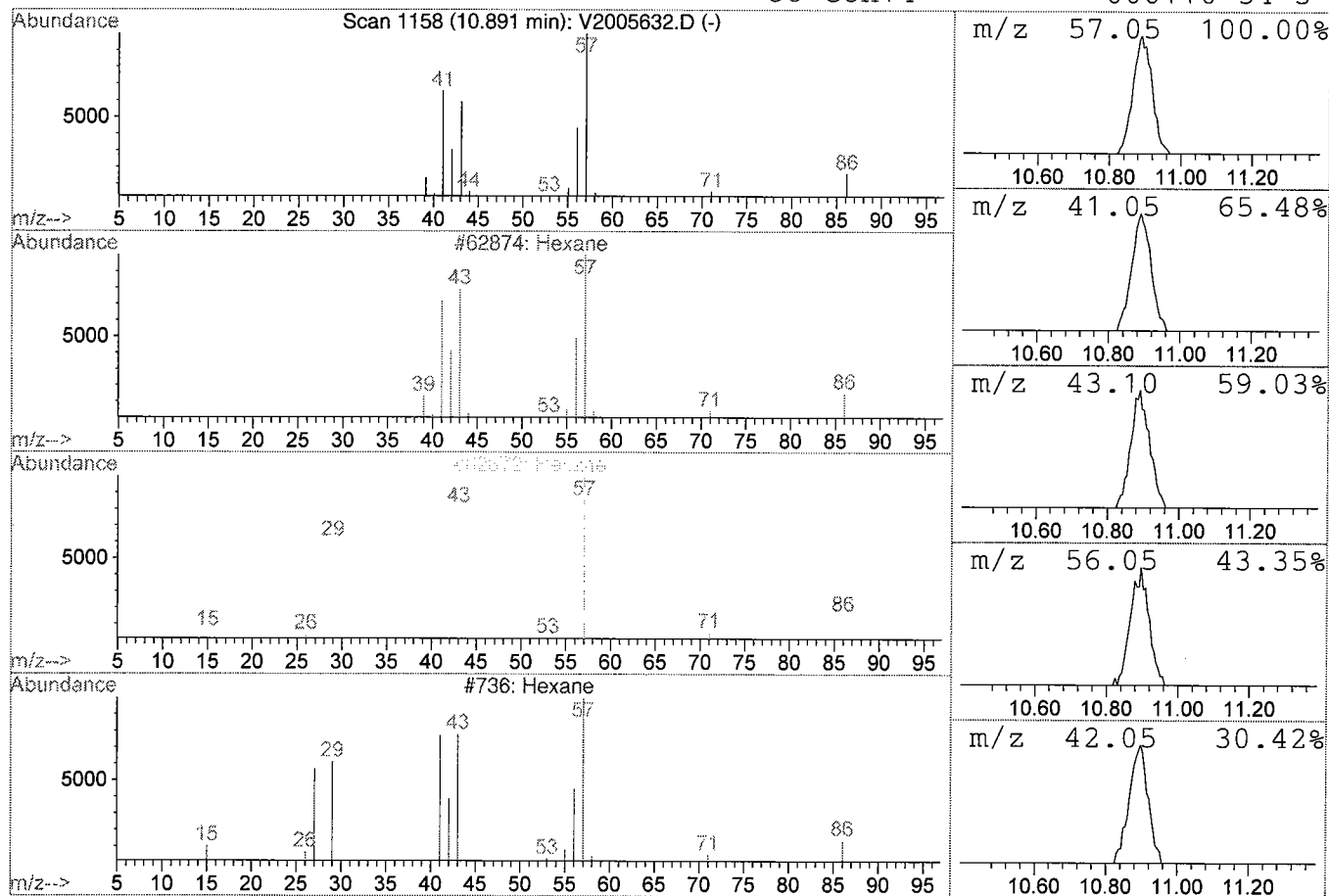
Data File : C:\HPCHEM\1\DATA\V2005632.D
Acq On : 24 Aug 2005 6:51 am
Sample : 05080545-16 \$8260W/VOATICW ASPB
Misc : QBV2082305B
MS Integration Params: RTEINT.P

Vial: 25
Operator: SS
Inst : VOA No. 2
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
Title : VOCs BY GC/MS 8240/8260
Library : C:\DATABASE\NBS75K.L

Peak Number 1 Hexane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.89	23.00 ppb	99911	FLUOROBENZENE (ISTD)	14.95
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Hexane		86 C6H14	000110-54-3 91
2	Hexane		86 C6H14	000110-54-3 91
3	Hexane		86 C6H14	000110-54-3 90
4	Hexane		86 C6H14	000110-54-3 83



Tentatively Identified Compound (LSC) summary

Operator ID: SS Date Acquired: 24 Aug 2005 6:51 am
 Data File: C:\HPCHEM\1\DATA\V2005632.D
 Name: 05080545-16 \$8260W/VOATICW ASPB
 Misc: QBV2082305B
 Method: C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
 Title: VOCs BY GC/MS 8240/8260
 Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc Units	Area	IntStd	ISRT	ISArea	ISConc
Hexane	10.89	23.0 ppb	99911	ISTD01	14.95	217160	50.0

V2005632.D V2C173.M Wed Aug 24 10:51:09 2005

Response Factor Report VOA No. 2

Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Thu Aug 18 08:08:33 2005
 Response via : Initial Calibration

Calibration Files

20 =V2005479.D 50 =V2005480.D 100 =V2005481.D
 200 =V2005482.D 10 =V2005478.D =

Compound		20	50	100	200	10	Avg	%RSD

1)	FLUOROBENZENE (ISTD)	-----ISTD-----						
2)	Dichlorodifluoromet	3.688	4.271	3.461	3.535	3.994	3.790	8.91
3) P	Chloromethane	4.362	4.610	4.078	4.227	4.677	4.391	5.76
4) C	Vinyl Chloride	4.665	4.879	4.365	4.643	4.528	4.616	4.10#
5)	Bromomethane	2.355	2.801	2.862	3.167	2.551	2.747	11.29
6)	Chloroethane	2.752	2.918	2.712	2.862	2.872	2.823	3.09
7)	Trichlorofluorometh	5.774	6.347	5.687	5.945	4.992	5.749	8.58
8) C,M	1,1-Dichloroethylen	6.773	7.026	6.628	6.815	6.594	6.767	2.55#
9)	trans-1,2-Dichloroe	6.662	6.940	6.746	6.892	6.550	6.758	2.39
10)	Carbon Disulfide	1.698	1.862	1.733	1.824	1.691	1.761	E1 4.38
11)	Methylene Chloride	7.300	6.373	5.957	5.822	8.629	6.816	17.11
12)	tert-Butyl Methyl E	1.032	1.078	1.075	1.077	0.983	1.049	E1 3.96
13)	Acetone	1.471	1.085	1.020	0.910	1.946	1.287	33.03
14) P	1,1-Dichloroethane	7.779	8.073	7.880	8.129	7.610	7.894	2.70
15)	cis-1,2-Dichloroeth	5.144	5.296	5.234	5.377	5.053	5.221	2.42
16)	2-Butanone	1.580	1.526	1.561	1.460	1.390	1.503	5.19
17)	Bromochloromethane	3.539	3.582	3.609	3.621	3.267	3.524	4.17
18) C	Chloroform	7.961	8.181	8.017	8.208	7.559	7.985	3.26#
19)	1,1,1-Trichloroetha	5.868	6.198	6.055	6.371	5.791	6.056	3.92
20)	1,1-Dichloropropyle	6.253	6.600	6.376	6.598	5.993	6.364	4.01
21) S	d4-1,2-Dichloroetha	1.180	1.144	1.155	1.112	1.099	1.138	2.87
22)	Carbon Tetrachlorid	5.175	5.570	5.400	5.672	4.977	5.359	5.31
23)	1,2-Dichloroethane	4.565	4.609	4.631	4.663	4.406	4.575	2.20
24) M	Benzene	1.865	1.927	1.852	1.917	1.820	1.876	E1 2.40
25)	CHLOROBENZENE-d5 (ISTD)	-----ISTD-----						
26) M	Trichloroethylene	0.702	0.722	0.714	0.737	0.703	0.716	2.01
27)	Dibromomethane	0.387	0.408	0.416	0.417	0.378	0.401	4.36
28)	Bromodichloromethan	0.755	0.813	0.826	0.855	0.764	0.802	5.28
29) C	1,2-Dichloropropane	0.642	0.686	0.691	0.706	0.646	0.674	4.24#
30)	cis-1,3-Dichloropro	0.971	1.050	1.075	1.105	0.940	1.028	6.83
31)	2-Hexanone	0.326	0.322	0.341	0.331	0.299	0.324	4.81
32) S	Toluene-d8 (SURR)	0.870	0.874	0.886	0.868	0.899	0.880	1.50
33) C,M	Toluene	2.850	2.947	2.899	2.999	2.892	2.917	1.97#
34)	trans-1,3-Dichlorop	0.755	0.827	0.869	0.889	0.692	0.806	10.17
35)	1,1,2-Trichloroetha	0.457	0.469	0.478	0.476	0.452	0.466	2.45

(#) = Out of Range

V2C173.M

Tue Aug 23 15:23:34 2005

000277

Page 1

Response Factor Report VOA No. 2

Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Thu Aug 18 08:08:33 2005
 Response via : Initial Calibration

Calibration Files

20 =V2005479.D 50 =V2005480.D 100 =V2005481.D
 200 =V2005482.D 10 =V2005478.D =

	Compound	20	50	100	200	10	Avg	%RSD
36)	1,3-Dichloropropane	0.894	0.924	0.936	0.909	0.874	0.908	2.69
37)	Tetrachloroethylene	0.757	0.802	0.779	0.806	0.786	0.786	2.47
38)	4-Methyl-2-Pentanone	0.476	0.472	0.497	0.484	0.439	0.474	4.57
39)	Dibromochloromethane	0.581	0.642	0.669	0.685	0.572	0.630	8.16
40)	1,2-Dibromoethane	0.524	0.547	0.569	0.572	0.488	0.540	6.46
41) P,M	Chlorobenzene	1.836	1.922	1.922	1.971	1.878	1.906	2.69
42) C	Ethyl Benzene	3.055	3.246	3.206	3.334	3.134	3.195	3.34#
43)	p- & m-Xylenes	2.274	2.372	2.340	2.409	2.368	2.352	2.14
44)	o-Xylene	2.252	2.368	2.373	2.424	2.316	2.347	2.78
45)	Styrene	1.912	2.025	2.050	2.097	1.896	1.996	4.41
46)	1,1,1,2-Tetrachloro	0.580	0.640	0.650	0.671	0.613	0.631	5.58
47)	1,2-DICHLOROBENZENE-d	-----ISTD-----						
48) p	Bromoform	0.739	0.816	0.836	0.860	0.687	0.788	9.16
49) S	p-Bromofluorobenzene	0.852	0.881	0.840	0.858	0.850	0.857	1.79
50) P	1,1,2,2-Tetrachloro	1.383	1.452	1.431	1.428	1.288	1.396	4.67
51)	1,2,3-Trichloroprop	0.324	0.321	0.328	0.325	0.313	0.322	1.77
52)	Isopropylbenzene	5.988	6.534	6.182	6.396	6.208	6.262	3.35
53)	Bromobenzene	2.414	2.571	2.518	2.573	2.423	2.500	3.10
54)	n-Propylbenzene	7.380	7.883	7.583	7.784	7.532	7.632	2.64
55)	2-Chlorotoluene	4.645	4.965	4.763	4.941	4.056	4.674	7.91
56)	4-Chlorotoluene	4.144	4.374	4.229	4.413	4.169	4.266	2.85
57)	tert-Butylbenzene	4.331	5.080	4.861	5.093	4.814	4.836	6.39
58)	1,3,5-trimethylbenz	4.794	5.171	4.910	5.114	4.925	4.983	3.13
59)	1,2,4-trimethylbenz	4.667	4.953	4.778	5.025	4.726	4.830	3.16
60)	sec-Butylbenzene	6.633	7.181	6.804	7.070	6.811	6.900	3.21
61)	1,3-Dichlorobenzene	2.959	3.188	3.048	3.138	2.980	3.063	3.24
62)	1,4-Dichlorobenzene	3.083	3.248	3.135	3.225	3.113	3.161	2.27
63)	1,2-Dichlorobenzene	2.607	2.746	2.670	2.757	2.626	2.681	2.54
64)	p-Isopropyltoluene	5.408	5.783	5.497	5.713	5.396	5.559	3.21
65)	n-Butylbenzene	4.973	5.369	5.215	5.385	4.870	5.162	4.50
66)	1,2,4-Trichlorobenz	1.645	1.779	1.802	1.780	1.515	1.704	7.20
67)	Naphthalene	2.980	3.362	3.593	3.665	2.286	3.177	17.80
68)	Hexachloro-1,3-Buta	0.814	0.874	0.835	0.839	0.765	0.825	4.82
69)	1,2,3-Trichlorobenz	1.416	1.526	1.520	1.524	1.257	1.449	8.07

(#) = Out of Range

V2C173.M

Tue Aug 23 15:24:02 2005

000278

Page 2

Data File : C:\HPCHEM\1\DATA\V2005478.D
 Acq On : 17 Aug 2005 7:03 pm
 Sample : 10 PPB VOA CALIBRATION STD
 Misc : QBV2081705A
 MS Integration Params: rteint.p
 Quant Time: Aug 17 19:37 19105

Vial: 3
 Operator: bb
 Inst : VOA No. 2
 Multiplr: 1.00

Quant Results File: V2C172.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C172.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Mon Aug 01 10:59:36 2005
 Response via : Initial Calibration
 DataAcq Meth : V2C172

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.82	70	25378	50.00	ppb	-0.08
25) CHLOROBENZENE-d5(ISTD)	21.31	117	167019	50.00	ppb	-0.07
47) 1,2-DICHLOROENZENE-d4(IST	27.27	152	82673	50.00	ppb	-0.06

System Monitoring Compounds

21) d4-1,2-Dichloroethane(SURR	14.09	65	27893	48.90	ppb	-0.07
Spiked Amount	50.000	Range	37 - 128	Recovery	=	97.80%
32) Toluene-d8(SURR)	18.09	98	150230	46.55	ppb	-0.07
Spiked Amount	50.000	Range	40 - 61	Recovery	=	93.10%#
49) p-Bromofluorobenzene(SURR)	23.93	174	70288	49.27	ppb	-0.06
Spiked Amount	50.000	Range	39 - 68	Recovery	=	98.54%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	4.85	85	20270	8.94	ppb	# 94
3) Chloromethane	5.43	50	23737	11.06	ppb	100
4) Vinyl Chloride	5.69	62	22981	10.32	ppb	99
5) Bromomethane	6.71	94	12949	10.80	ppb	91
6) Chloroethane	6.88	64	14579	11.43	ppb	99
7) Trichlorofluoromethane	7.52	101	25336	9.73	ppb	99
8) 1,1-Dichloroethylene	8.80	61	33466	11.97	ppb	99
9) trans-1,2-Dichloroethylene	10.41	61	33243	11.95	ppb	99
10) Carbon Disulfide	9.83	76	85834	11.44	ppb	100
11) Methylene Chloride	9.70	49	43796	16.90	ppb	99
12) tert-Butyl Methyl Ether (M	10.19	73	49916	11.18	ppb	100
13) Acetone	8.37	43	9879	24.45	ppb	99
14) 1,1-Dichloroethane	11.21	63	38625	11.70	ppb	100
15) cis-1,2-Dichloroethylene	12.40	96	25649	11.80	ppb	100
16) 2-Butanone	11.98	43	7057	12.16	ppb	100
17) Bromochloromethane	13.00	49	16583	11.26	ppb	99
18) Chloroform	12.73	83	38364	11.63	ppb	100
19) 1,1,1-Trichloroethane	13.62	97	29391	11.65	ppb	100
20) 1,1-Dichloropropylene	13.94	75	30417	11.51	ppb	99
22) Carbon Tetrachloride	14.17	117	25263	11.45	ppb	100
23) 1,2-Dichloroethane	14.27	62	22364	11.73	ppb	100

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

Data File : C:\HPCHEM\1\DATA\V2005478.D

Vial: 3

Acq On : 17 Aug 2005 7:03 pm

Operator: bb

Sample : 10 PPB VOA CALIBRATION STD

Inst : VOA No. 2

Misc : QBV2081705A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Aug 17 19:37 19105

Quant Results File: V2C172.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C172.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Mon Aug 01 10:59:36 2005

Response via : Initial Calibration

DataAcq Meth : V2C172

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
24) Benzene	14.41	78	92363	11.77	ppb	100
26) Trichloroethylene	15.67	95	23498	10.26	ppb	97
27) Dibromomethane	16.44	93	12643	9.72	ppb #	100
28) Bromodichloromethane	16.39	83	25505	9.76	ppb #	68
29) 1,2-Dichloropropane	15.95	63	21563	9.85	ppb	99
30) cis-1,3-Dichloropropene	17.47	75	31388	9.57	ppb	99
31) 2-Hexanone	18.86	43	9998	9.66	ppb	98
33) Toluene	18.26	91	96596	10.25	ppb	99
34) trans-1,3-Dichloropropene	18.47	75	23110	8.91	ppb	99
35) 1,1,2-Trichloroethane	18.82	83	15106	10.01	ppb #	57
36) 1,3-Dichloropropane	19.33	76	29207	9.88	ppb #	97
37) Tetrachloroethylene	19.70	166	26270	10.54	ppb #	61
38) 4-Methyl-2-Pentanone	17.09	43	14663	9.71	ppb #	91
39) Dibromochloromethane	19.93	129	19098	9.23	ppb	99
40) 1,2-Dibromoethane	20.40	107	16306	9.25	ppb	100
41) Chlorobenzene	21.40	112	62739	10.16	ppb #	86
42) Ethyl Benzene	21.53	91	104675	10.13	ppb	100
43) p- & m-Xylenes	21.72	91	158219	21.09	ppb	99
44) o-Xylene	22.67	91	77358	10.12	ppb	100
45) Styrene	22.69	104	63328	9.79	ppb	100
46) 1,1,1,2-Tetrachloroethane	21.46	131	20484	9.86	ppb	99
48) Bromoform	23.32	173	11359	8.44	ppb #	100
50) 1,1,2,2-Tetrachloroethane	23.66	83	21304	9.11	ppb	100
51) 1,2,3-Trichloropropane	23.99	77	5173	9.62	ppb	91
52) Isopropylbenzene	23.46	105	102652	9.80	ppb #	100
53) Bromobenzene	24.37	77	40062	9.53	ppb	99
54) n-Propylbenzene	24.34	91	124535	9.88	ppb	100
55) 2-Chlorotoluene	24.79	91	67063	8.37	ppb #	95
56) 4-Chlorotoluene	24.79	91	68930	10.01	ppb #	100
57) tert-Butylbenzene	25.44	119	79590	9.81	ppb #	97
58) 1,3,5-trimethylbenzene	24.67	105	81428	9.83	ppb	100
59) 1,2,4-trimethylbenzene	25.52	105	78139	9.91	ppb	99
60) sec-Butylbenzene	25.91	105	112625	9.77	ppb #	96
61) 1,3-Dichlorobenzene	26.35	146	49269	9.84	ppb #	84

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

Data File : C:\HPCHEM\1\DATA\V2005478.D

Vial: 3

Acq On : 17 Aug 2005 7:03 pm

Operator: bb

Sample : 10 PPB VOA CALIBRATION STD

Inst : VOA No. 2

Misc : QBV2081705A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Aug 17 19:37 19105

Quant Results File: V2C172.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C172.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Mon Aug 01 10:59:36 2005

Response via : Initial Calibration

DataAcq Meth : V2C172

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
62) 1,4-Dichlorobenzene	26.56	146	51479	10.03	ppb	# 99
63) 1,2-Dichlorobenzene	27.33	146	43412	9.65	ppb	# 99
64) p-Isopropyltoluene	26.20	119	89214	9.73	ppb	# 100
65) n-Butylbenzene	27.06	91	80517	9.72	ppb	100
66) 1,2,4-Trichlorobenzene	30.97	180	25042	9.29	ppb	# 58
67) Naphthalene	31.57	128	37797	6.45	ppb	# 97
68) Hexachloro-1,3-Butadiene	31.40	225	12654	9.36	ppb	# 77
69) 1,2,3-Trichlorobenzene	32.26	182	20782	8.54	ppb	98

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

V2005478.D V2C173.M

Tue Aug 23 15:55:57 2005

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Quantitation Report

Data File : C:\HPCHEM\1\DATA\V2005478.D
 Acq On : 17 Aug 2005 7:03 pm
 Sample : 10 PPB VOA CALIBRATION STD
 Misc : QBV2081705A

Vial: 3
 Operator: bb
 Inst : VOA No. 2
 Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Aug 17 19:37 19105

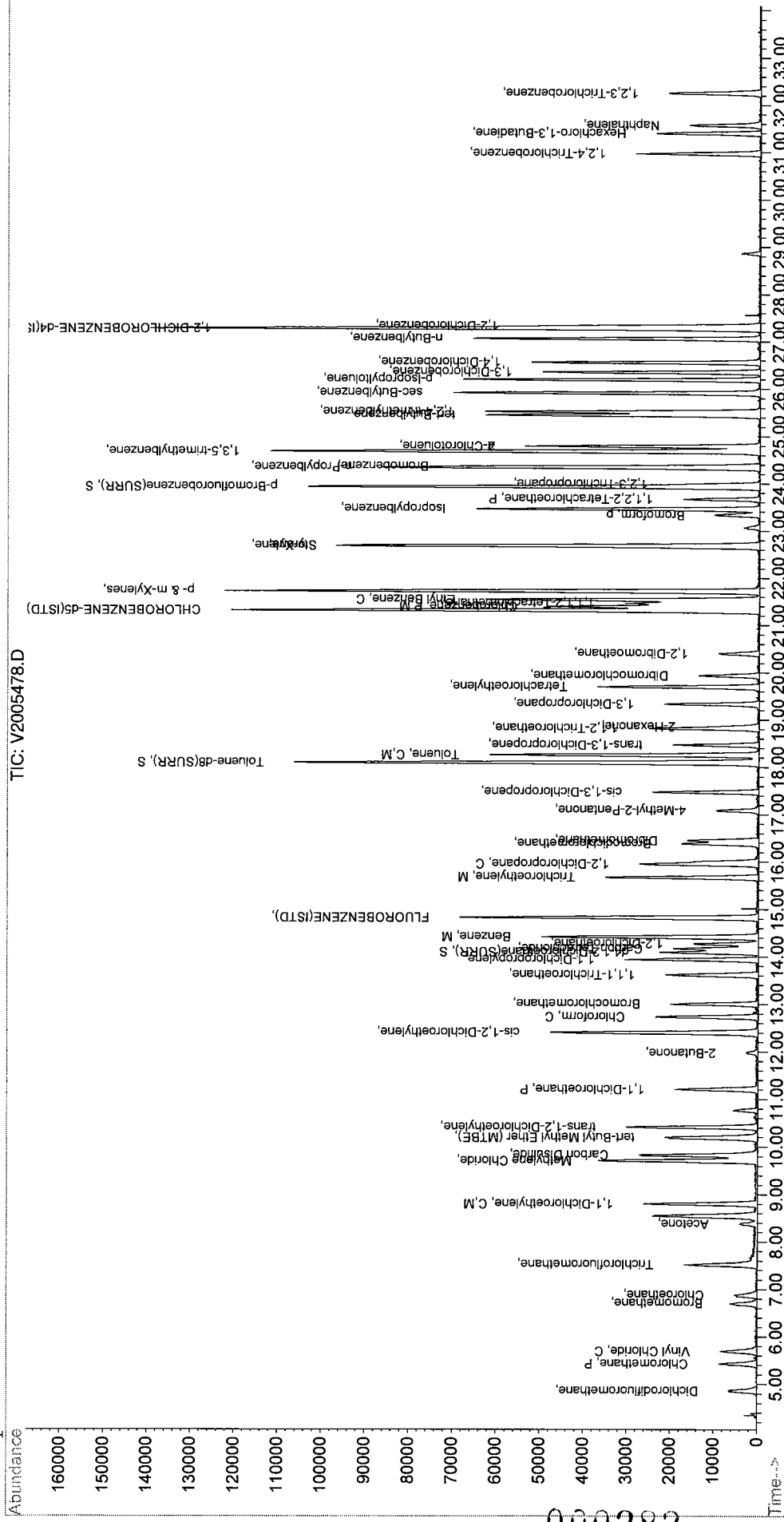
Quant Results File: V2C172.RES

Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Thu Aug 18 08:08:33 2005

Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\V2005479.D
 Acq On : 17 Aug 2005 7:44 pm
 Sample : 20 PPB VOA CALIBRATION STD
 Misc : QBV2081705A
 MS Integration Params: rteint.p
 Quant Time: Aug 17 20:19 19105

Vial: 4
 Operator: bb
 Inst : VOA No. 2
 Multiplr: 1.00

Quant Results File: V2C172.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C172.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Mon Aug 01 10:59:36 2005
 Response via : Initial Calibration
 DataAcq Meth : V2C172

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.86	70	24641	50.00	ppb	-0.04
25) CHLOROBENZENE-d5(ISTD)	21.35	117	168392	50.00	ppb	-0.03
47) 1,2-DICHLOROBENZENE-d4(IST	27.30	152	84153	50.00	ppb	-0.03

System Monitoring Compounds

21) d4-1,2-Dichloroethane(SURR	14.13	65	29073	52.50	ppb	-0.04
Spiked Amount	50.000	Range	37 - 128	Recovery	=	105.00%
32) Toluene-d8(SURR)	18.13	98	146452	45.01	ppb	-0.04
Spiked Amount	50.000	Range	40 - 61	Recovery	=	90.02%#
49) p-Bromofluorobenzene(SURR)	23.97	174	71708	49.39	ppb	-0.02
Spiked Amount	50.000	Range	39 - 68	Recovery	=	98.78%#

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	4.88	85	36347	16.52	ppb	100
3) Chloromethane	5.46	50	42993	20.62	ppb	100
4) Vinyl Chloride	5.72	62	45985	21.28	ppb	100
5) Bromomethane	6.73	94	23210	19.94	ppb	97
6) Chloroethane	6.91	64	27122	21.91	ppb	100
7) Trichlorofluoromethane	7.54	101	56907	22.50	ppb	100
8) 1,1-Dichloroethylene	8.84	61	66761	24.60	ppb	99
9) trans-1,2-Dichloroethylene	10.46	61	65659	24.31	ppb	100
10) Carbon Disulfide	9.87	76	167314	22.97	ppb	100
11) Methylene Chloride	9.75	49	71947	28.59	ppb	100
12) tert-Butyl Methyl Ether (M	10.22	73	101743	23.48	ppb	100
13) Acetone	8.41	43	14502	36.97	ppb	100
14) 1,1-Dichloroethane	11.25	63	76675	23.92	ppb	100
15) cis-1,2-Dichloroethylene	12.45	96	50702	24.01	ppb	99
16) 2-Butanone	12.00	43	15573	27.63	ppb	99
17) Bromochloromethane	13.04	49	34883	24.40	ppb	100
18) Chloroform	12.77	83	78465	24.50	ppb	100
19) 1,1,1-Trichloroethane	13.66	97	57834	23.61	ppb	100
20) 1,1-Dichloropropylene	13.98	75	61630	24.03	ppb	100
22) Carbon Tetrachloride	14.21	117	51010	23.82	ppb	100
23) 1,2-Dichloroethane	14.31	62	44999	24.32	ppb #	97

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

Data File : C:\HPCHEM\1\DATA\V2005479.D

Vial: 4

Acq On : 17 Aug 2005 7:44 pm

Operator: bb

Sample : 20 PPB VOA CALIBRATION STD

Inst : VOA No. 2

Misc : QBV2081705A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Aug 17 20:19 19105

Quant Results File: V2C172.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C172.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Mon Aug 01 10:59:36 2005

Response via : Initial Calibration

DataAcq Meth : V2C172

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
24) Benzene	14.45	78	183871	24.13	ppb	100
26) Trichloroethylene	15.71	95	47258	20.47	ppb #	79
27) Dibromomethane	16.49	93	26074	19.87	ppb #	99
28) Bromodichloromethane	16.41	83	50855	19.29	ppb #	99
29) 1,2-Dichloropropane	15.99	63	43271	19.61	ppb	100
30) cis-1,3-Dichloropropene	17.51	75	65380	19.78	ppb #	88
31) 2-Hexanone	18.90	43	21938	21.02	ppb	100
33) Toluene	18.29	91	191938	20.19	ppb	100
34) trans-1,3-Dichloropropene	18.51	75	50849	19.44	ppb	100
35) 1,1,2-Trichloroethane	18.85	83	30764	20.21	ppb	100
36) 1,3-Dichloropropane	19.37	76	60211	20.20	ppb	100
37) Tetrachloroethylene	19.74	166	51011	20.30	ppb #	61
38) 4-Methyl-2-Pentanone	17.12	43	32069	21.07	ppb	100
39) Dibromochloromethane	19.98	129	39103	18.75	ppb	99
40) 1,2-Dibromoethane	20.44	107	35284	19.85	ppb	100
41) Chlorobenzene	21.44	112	123658	19.86	ppb #	100
42) Ethyl Benzene	21.58	91	205748	19.74	ppb	100
43) p- & m-Xylenes	21.76	91	306308	40.50	ppb	99
44) o-Xylene	22.71	91	151682	19.68	ppb	100
45) Styrene	22.72	104	128771	19.74	ppb #	80
46) 1,1,1,2-Tetrachloroethane	21.50	131	39055	18.65	ppb	96
48) Bromoform	23.37	173	24890	18.17	ppb #	100
50) 1,1,2,2-Tetrachloroethane	23.70	83	46538	19.55	ppb #	98
51) 1,2,3-Trichloropropane	24.02	77	10916	19.95	ppb	94
52) Isopropylbenzene	23.49	105	201572	18.91	ppb #	100
53) Bromobenzene	24.40	77	81264	18.99	ppb	100
54) n-Propylbenzene	24.37	91	248412	19.35	ppb	100
55) 2-Chlorotoluene	24.73	91	156351	19.18	ppb #	95
56) 4-Chlorotoluene	24.83	91	139505	19.90	ppb #	99
57) tert-Butylbenzene	25.48	119	145777	17.65	ppb #	69
58) 1,3,5-trimethylbenzene	24.71	105	161368	19.14	ppb	100
59) 1,2,4-trimethylbenzene	25.55	105	157098	19.58	ppb	100
60) sec-Butylbenzene	25.94	105	223273	19.03	ppb #	96
61) 1,3-Dichlorobenzene	26.39	146	99605	19.54	ppb #	84

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

Data File : C:\HPCHEM\1\DATA\V2005479.D

Vial: 4

Acq On : 17 Aug 2005 7:44 pm

Operator: bb

Sample : 20 PPB VOA CALIBRATION STD

Inst : VOA No. 2

Misc : QBV2081705A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Aug 17 20:19 19105

Quant Results File: V2C172.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C172.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Mon Aug 01 10:59:36 2005

Response via : Initial Calibration

DataAcq Meth : V2C172

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
62) 1,4-Dichlorobenzene	26.59	146	103793	19.86	ppb	# 100
63) 1,2-Dichlorobenzene	27.36	146	87769	19.17	ppb	# 68
64) p-Isopropyltoluene	26.23	119	182042	19.50	ppb	# 90
65) n-Butylbenzene	27.08	91	167396	19.85	ppb	100
66) 1,2,4-Trichlorobenzene	31.00	180	55376	20.19	ppb	# 58
67) Naphthalene	31.60	128	100313	16.81	ppb	# 98
68) Hexachloro-1,3-Butadiene	31.45	225	27414	19.92	ppb	100
69) 1,2,3-Trichlorobenzene	32.29	182	47650	19.24	ppb	100

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

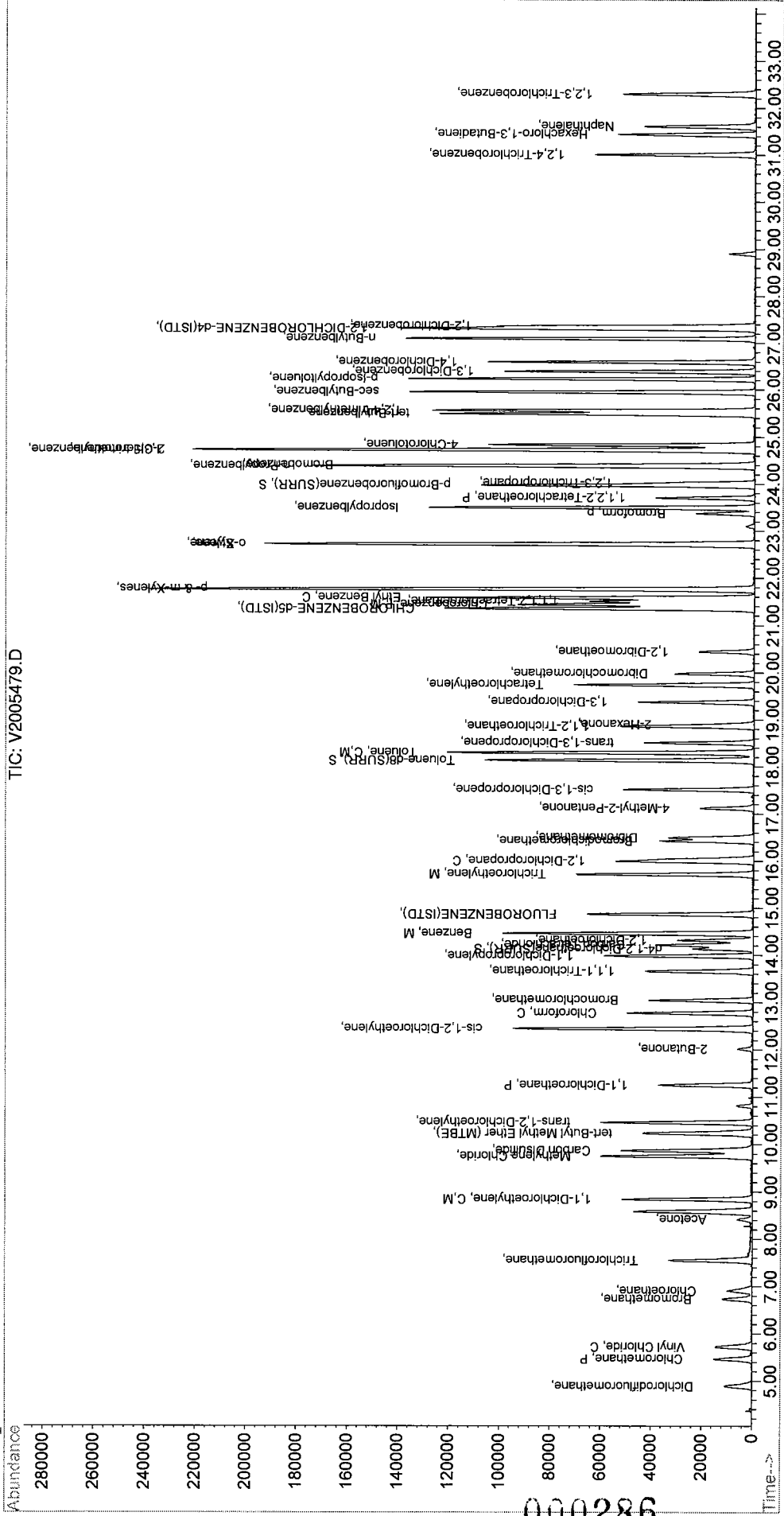
Quantitation Report

Data File : C:\HPCHEM\1\DATA\V2005479.D
 Acq On : 17 Aug 2005 7:44 pm
 Sample : 20 PPB VOA CALIBRATION STD
 Misc : QBV2081705A
 MS Integration Params: rteint.p
 Quant Time: Aug 17 20:19 19105

Vial: 4
 Operator: bb
 Inst : VOA No. 2
 Multiplr: 1.00

Quant Results File: V2C172.RES

Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Thu Aug 18 08:08:33 2005
 Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\V2005480.D

Vial: 5

Acq On : 17 Aug 2005 8:26 pm

Operator: bb

Sample : 50 PPB VOA CALIBRATION STD

Inst : VOA No. 2

Misc : QBV2081705A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Aug 17 21:00 19105

Quant Results File: V2C172.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C172.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Mon Aug 01 10:59:36 2005

Response via : Initial Calibration

DataAcq Meth : V2C172

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.88	70	26337	50.00	ppb	-0.02
25) CHLOROBENZENE-d5(ISTD)	21.36	117	178169	50.00	ppb	-0.02
47) 1,2-DICHLOROBENZENE-d4(IST	27.32	152	86570	50.00	ppb	-0.01

System Monitoring Compounds

21) d4-1,2-Dichloroethane(SURR	14.15	65	30123	50.89	ppb	-0.02
Spiked Amount	50.000	Range	37 - 128	Recovery	=	101.78%
32) Toluene-d8(SURR)	18.14	98	155768	45.25	ppb	-0.02
Spiked Amount	50.000	Range	40 - 61	Recovery	=	90.50%#
49) p-Bromofluorobenzene(SURR)	23.98	174	76309	51.09	ppb	-0.01
Spiked Amount	50.000	Range	39 - 68	Recovery	=	102.18%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	4.90	85	112485	47.82	ppb	100
3) Chloromethane	5.47	50	121426	54.49	ppb	100
4) Vinyl Chloride	5.74	62	128504	55.63	ppb	100
5) Bromomethane	6.74	94	73782	59.30	ppb	99
6) Chloroethane	6.93	64	76842	58.07	ppb	99
7) Trichlorofluoromethane	7.57	101	167152	61.84	ppb	99
8) 1,1-Dichloroethylene	8.86	61	185045	63.79	ppb	99
9) trans-1,2-Dichloroethylene	10.48	61	182787	63.31	ppb	100
10) Carbon Disulfide	9.89	76	490283	62.99	ppb	100
11) Methylene Chloride	9.77	49	167834	62.39	ppb	# 81
12) tert-Butyl Methyl Ether (M	10.25	73	283936	61.31	ppb	100
13) Acetone	8.43	43	28570	68.13	ppb	99
14) 1,1-Dichloroethane	11.27	63	212619	62.05	ppb	100
15) cis-1,2-Dichloroethylene	12.46	96	139474	61.81	ppb	# 83
16) 2-Butanone	12.03	43	40178	66.69	ppb	100
17) Bromochloromethane	13.06	49	94330	61.74	ppb	# 64
18) Chloroform	12.79	83	215466	62.96	ppb	100
19) 1,1,1-Trichloroethane	13.67	97	163249	62.36	ppb	99
20) 1,1-Dichloropropylene	14.00	75	173816	63.40	ppb	100
22) Carbon Tetrachloride	14.23	117	146702	64.10	ppb	100
23) 1,2-Dichloroethane	14.33	62	121381	61.37	ppb	100

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

Data File : C:\HPCHEM\1\DATA\V2005480.D
 Acq On : 17 Aug 2005 8:26 pm
 Sample : 50 PPB VOA CALIBRATION STD
 Misc : QBV2081705A
 MS Integration Params: rteint.p
 Quant Time: Aug 17 21:00 19105

Vial: 5
 Operator: bb
 Inst : VOA No. 2
 Multiplr: 1.00

Quant Results File: V2C172.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C172.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Mon Aug 01 10:59:36 2005
 Response via : Initial Calibration
 DataAcq Meth : V2C172

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
24) Benzene	14.47	78	507476	62.31	ppb	100
26) Trichloroethylene	15.72	95	128619	52.66	ppb	98
27) Dibromomethane	16.50	93	72706	52.38	ppb #	100
28) Bromodichloromethane	16.44	83	144805	51.92	ppb #	68
29) 1,2-Dichloropropane	16.00	63	122137	52.32	ppb #	90
30) cis-1,3-Dichloropropene	17.53	75	187006	53.46	ppb	100
31) 2-Hexanone	18.90	43	57346	51.92	ppb	100
33) Toluene	18.31	91	525037	52.21	ppb	100
34) trans-1,3-Dichloropropene	18.52	75	147283	53.23	ppb	100
35) 1,1,2-Trichloroethane	18.87	83	83491	51.85	ppb	99
36) 1,3-Dichloropropane	19.39	76	164662	52.22	ppb #	97
37) Tetrachloroethylene	19.75	166	142907	53.74	ppb #	61
38) 4-Methyl-2-Pentanone	17.13	43	84170	52.27	ppb	99
39) Dibromochloromethane	19.99	129	114315	51.80	ppb	99
40) 1,2-Dibromoethane	20.46	107	97530	51.86	ppb	100
41) Chlorobenzene	21.45	112	342418	51.97	ppb #	100
42) Ethyl Benzene	21.59	91	578379	52.45	ppb	100
43) p- & m-Xylenes	21.77	91	845233	105.63	ppb	100
44) o-Xylene	22.72	91	421984	51.75	ppb	100
45) Styrene	22.74	104	360793	52.26	ppb	100
46) 1,1,1,2-Tetrachloroethane	21.51	131	114047	51.48	ppb	100
48) Bromoform	23.38	173	70603	50.10	ppb #	100
50) 1,1,2,2-Tetrachloroethane	23.71	83	125662	51.33	ppb #	98
51) 1,2,3-Trichloropropane	24.03	77	27755	49.31	ppb	95
52) Isopropylbenzene	23.50	105	565655	51.59	ppb #	100
53) Bromobenzene	24.41	77	222599	50.58	ppb	100
54) n-Propylbenzene	24.38	91	682398	51.68	ppb	100
55) 2-Chlorotoluene	24.74	91	429859	51.25	ppb #	95
56) 4-Chlorotoluene	24.84	91	378700	52.52	ppb #	100
57) tert-Butylbenzene	25.49	119	439808	51.78	ppb #	69
58) 1,3,5-trimethylbenzene	24.72	105	447672	51.62	ppb	100
59) 1,2,4-trimethylbenzene	25.56	105	428740	51.94	ppb	99
60) sec-Butylbenzene	25.95	105	621670	51.51	ppb #	100
61) 1,3-Dichlorobenzene	26.39	146	276015	52.64	ppb #	100

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

Data File : C:\HPCHEM\1\DATA\V2005480.D

Vial: 5

Acq On : 17 Aug 2005 8:26 pm

Operator: bb

Sample : 50 PPB VOA CALIBRATION STD

Inst : VOA No. 2

Misc : QBV2081705A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Aug 17 21:00 19105

Quant Results File: V2C172.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C172.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Mon Aug 01 10:59:36 2005

Response via : Initial Calibration

DataAcq Meth : V2C172

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
62) 1,4-Dichlorobenzene	26.60	146	281183	52.30	ppb	# 100
63) 1,2-Dichlorobenzene	27.37	146	237708	50.46	ppb	# 68
64) p-Isopropyltoluene	26.24	119	500637	52.12	ppb	# 100
65) n-Butylbenzene	27.10	91	464754	53.58	ppb	99
66) 1,2,4-Trichlorobenzene	31.01	180	153974	54.56	ppb	99
67) Naphthalene	31.61	128	291030	47.42	ppb	# 97
68) Hexachloro-1,3-Butadiene	31.45	225	75636	53.44	ppb	100
69) 1,2,3-Trichlorobenzene	32.31	182	132139	51.88	ppb	100

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

V2005480.D V2C173.M Tue Aug 23 16:10:27 2005

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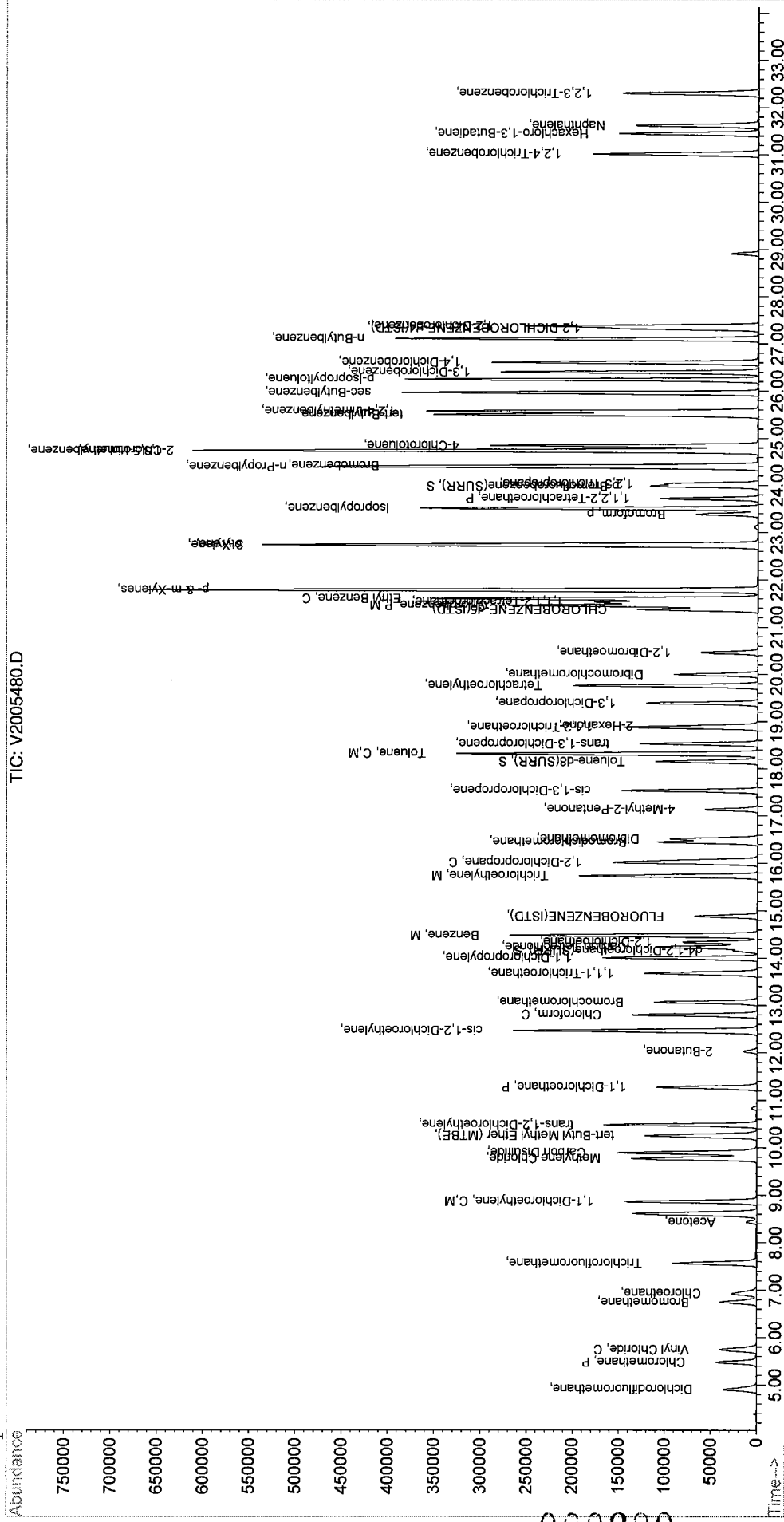
Quantitation Report

Data File : C:\HPCHEM\1\DATA\V2005480.D
 Acq On : 17 Aug 2005 8:26 pm
 Sample : 50 PPB VOA CALIBRATION STD
 Misc : QBV2081705A
 MS Integration Params: rteint.p
 Quant Time: Aug 17 21:00 19105

Vial: 5
 Operator: bb
 Inst : VOA No. 2
 Multiplr: 1.00

Quant Results File: V2C172.RES

Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Thu Aug 18 08:08:33 2005
 Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\V2005481.D
 Acq On : 17 Aug 2005 9:07 pm
 Sample : 100 PPB VOA CALIBRATION STD
 Misc : QBV2081705A
 MS Integration Params: rteint.p
 Quant Time: Aug 17 21:42 19105

Vial: 6
 Operator: bb
 Inst : VOA No. 2
 Multiplr: 1.00

Quant Results File: V2C172.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C172.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Mon Aug 01 10:59:36 2005
 Response via : Initial Calibration
 DataAcq Meth : V2C172

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.90	70	26893	50.00	ppb	0.00
25) CHLOROBENZENE-d5(ISTD)	21.36	117	180478	50.00	ppb	-0.02
47) 1,2-DICHLOROBENZENE-d4(ISTD)	27.32	152	90270	50.00	ppb	-0.01

System Monitoring Compounds

21) d4-1,2-Dichloroethane(SURR)	14.16	65	31063	51.39	ppb	0.00
Spiked Amount	50.000	Range	37 - 128	Recovery	=	102.78%
32) Toluene-d8(SURR)	18.15	98	159986	45.88	ppb	-0.01
Spiked Amount	50.000	Range	40 - 61	Recovery	=	91.76%#
49) p-Bromofluorobenzene(SURR)	23.98	174	75866	48.71	ppb	-0.01
Spiked Amount	50.000	Range	39 - 68	Recovery	=	97.42%#

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	4.90	85	186170	77.51	ppb	100
3) Chloromethane	5.47	50	219321	96.39	ppb	100
4) Vinyl Chloride	5.73	62	234774	99.53	ppb	100
5) Bromomethane	6.74	94	153948	121.17	ppb	100
6) Chloroethane	6.92	64	145851	107.94	ppb	99
7) Trichlorofluoromethane	7.56	101	305906	110.84	ppb	99
8) 1,1-Dichloroethylene	8.86	61	356475	120.35	ppb	# 73
9) trans-1,2-Dichloroethylene	10.48	61	362866	123.09	ppb	100
10) Carbon Disulfide	9.89	76	932158	117.28	ppb	100
11) Methylene Chloride	9.77	49	320397	116.65	ppb	99
12) tert-Butyl Methyl Ether (M	10.25	73	578392	122.30	ppb	100
13) Acetone	8.43	43	54888	128.19	ppb	100
14) 1,1-Dichloroethane	11.27	63	423822	121.14	ppb	100
15) cis-1,2-Dichloroethylene	12.47	96	281540	122.18	ppb	# 47
16) 2-Butanone	12.03	43	83964	136.50	ppb	100
17) Bromochloromethane	13.07	49	194126	124.43	ppb	99
18) Chloroform	12.80	83	431204	123.39	ppb	100
19) 1,1,1-Trichloroethane	13.68	97	325648	121.83	ppb	100
20) 1,1-Dichloropropylene	14.00	75	342937	122.50	ppb	100
22) Carbon Tetrachloride	14.24	117	290451	124.28	ppb	# 58
23) 1,2-Dichloroethane	14.33	62	249092	123.34	ppb	# 98

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

Data File : C:\HPCHEM\1\DATA\V2005481.D
 Acq On : 17 Aug 2005 9:07 pm
 Sample : 100 PPB VOA CALIBRATION STD
 Misc : QBV2081705A
 MS Integration Params: rteint.p
 Quant Time: Aug 17 21:42 19105

Vial: 6
 Operator: bb
 Inst : VOA No. 2
 Multiplr: 1.00

Quant Results File: V2C172.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C172.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Mon Aug 01 10:59:36 2005
 Response via : Initial Calibration
 DataAcq Meth : V2C172

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
24) Benzene	14.48	78	996246	119.79	ppb	100
26) Trichloroethylene	15.73	95	257774	104.18	ppb	99
27) Dibromomethane	16.52	93	150071	106.73	ppb #	99
28) Bromodichloromethane	16.44	83	298033	105.50	ppb #	100
29) 1,2-Dichloropropane	16.01	63	249518	105.52	ppb	100
30) cis-1,3-Dichloropropene	17.53	75	388067	109.52	ppb	100
31) 2-Hexanone	18.91	43	123206	110.12	ppb	100
33) Toluene	18.31	91	1046548	102.73	ppb	100
34) trans-1,3-Dichloropropene	18.52	75	313599	111.88	ppb	100
35) 1,1,2-Trichloroethane	18.87	83	172542	105.78	ppb #	57
36) 1,3-Dichloropropane	19.39	76	337900	105.79	ppb	100
37) Tetrachloroethylene	19.76	166	281215	104.40	ppb #	61
38) 4-Methyl-2-Pentanone	17.13	43	179474	110.02	ppb	99
39) Dibromochloromethane	20.00	129	241538	108.06	ppb	99
40) 1,2-Dibromoethane	20.46	107	205420	107.84	ppb	100
41) Chlorobenzene	21.45	112	693884	103.96	ppb #	86
42) Ethyl Benzene	21.59	91	1157057	103.59	ppb	100
43) p- & m-Xylenes	21.78	91	1689094	208.39	ppb	99
44) o-Xylene	22.72	91	856530	103.70	ppb	100
45) Styrene	22.74	104	740115	105.84	ppb	100
46) 1,1,1,2-Tetrachloroethane	21.52	131	234702	104.59	ppb	99
48) Bromoform	23.38	173	150999	102.75	ppb #	100
50) 1,1,2,2-Tetrachloroethane	23.71	83	258273	101.17	ppb	100
51) 1,2,3-Trichloropropane	24.03	77	59159	100.80	ppb	98
52) Isopropylbenzene	23.50	105	1116098	97.63	ppb #	100
53) Bromobenzene	24.41	77	454684	99.07	ppb	100
54) n-Propylbenzene	24.38	91	1368962	99.42	ppb	100
55) 2-Chlorotoluene	24.74	91	859859	98.31	ppb #	95
56) 4-Chlorotoluene	24.83	91	763503	101.54	ppb #	100
57) tert-Butylbenzene	25.49	119	877593	99.08	ppb #	69
58) 1,3,5-trimethylbenzene	24.72	105	886483	98.03	ppb	100
59) 1,2,4-trimethylbenzene	25.56	105	862610	100.22	ppb	100
60) sec-Butylbenzene	25.95	105	1228385	97.61	ppb #	100
61) 1,3-Dichlorobenzene	26.40	146	550244	100.65	ppb #	84

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

Data File : C:\HPCHEM\1\DATA\V2005481.D

Vial: 6

Acq On : 17 Aug 2005 9:07 pm

Operator: bb

Sample : 100 PPB VOA CALIBRATION STD

Inst : VOA No. 2

Misc : QBV2081705A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Aug 17 21:42 19105

Quant Results File: V2C172.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C172.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Mon Aug 01 10:59:36 2005

Response via : Initial Calibration

DataAcq Meth : V2C172

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
62) 1,4-Dichlorobenzene	26.60	146	566052	100.98	ppb	# 100
63) 1,2-Dichlorobenzene	27.37	146	481997	98.13	ppb	# 99
64) p-Isopropyltoluene	26.24	119	992394	99.08	ppb	# 100
65) n-Butylbenzene	27.10	91	941559	104.10	ppb	100
66) 1,2,4-Trichlorobenzene	31.01	180	325280	110.54	ppb	99
67) Naphthalene	31.62	128	648717	101.37	ppb	100
68) Hexachloro-1,3-Butadiene	31.44	225	150727	102.13	ppb	# 78
69) 1,2,3-Trichlorobenzene	32.30	182	274450	103.33	ppb	100

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

V2005481.D V2C173.M

Tue Aug 23 16:13:01 2005

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Quantitation Report

Data File : C:\HPCHEM\1\DATA\V2005481.D
Acq On : 17 Aug 2005 9:07 pm
Sample : 100 PPB VOA CALIBRATION STD
Misc : QBV2081705A
MS Integration Params: rteint.p
Quant Time: Aug 17 21:42 19105

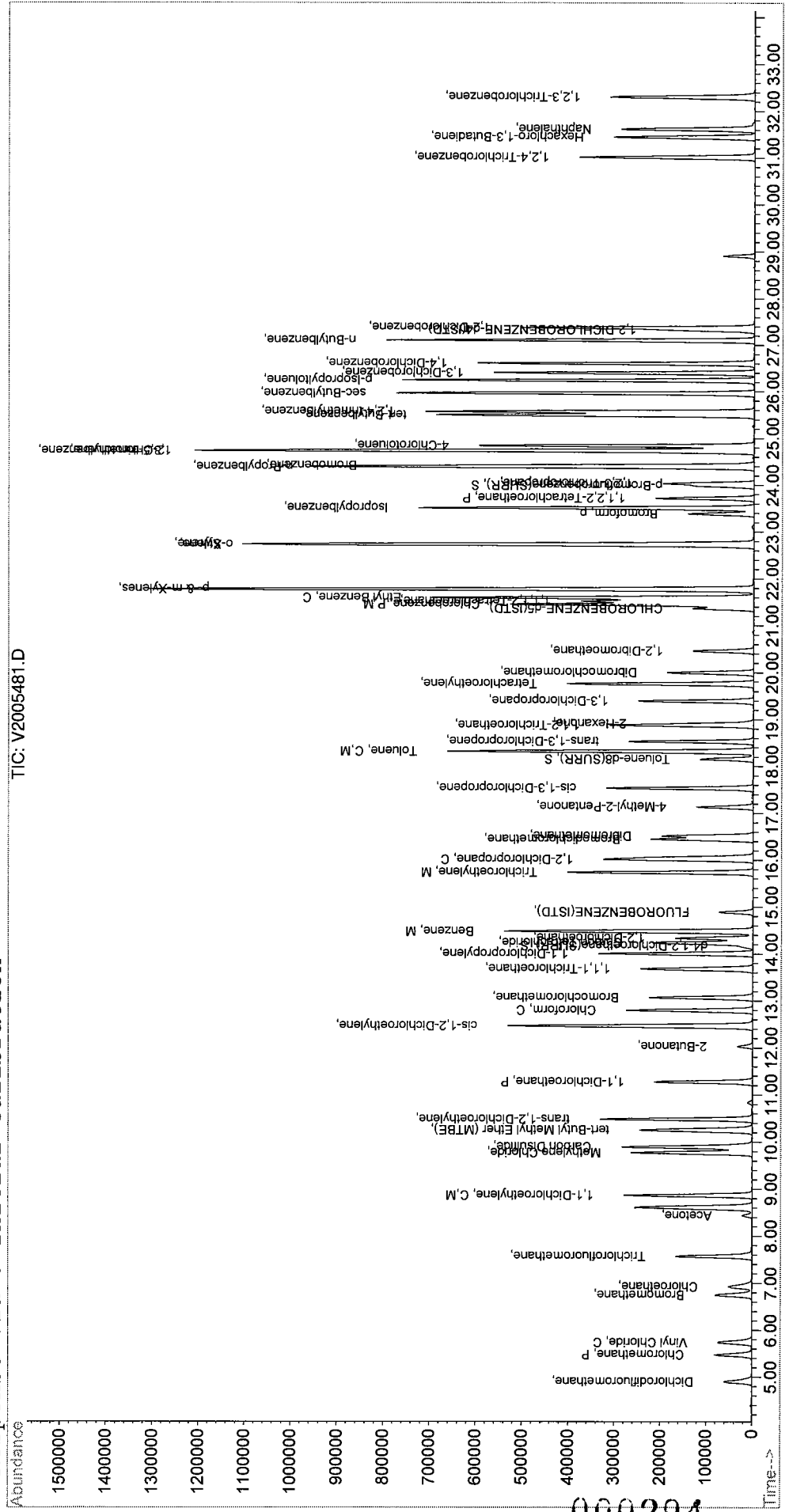
Vial: 6
Operator: bb
Inst : VOA No. 2
Multiplr: 1.00

Quant Results File: V2C172.RES

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Method      : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
Title       : VOCs BY GC/MS 8240/8260
Last Update : Thu Aug 18 08:08:33 2005
Response via : Initial Calibration

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Data File : C:\HPCHEM\1\DATA\V2005482.D
 Acq On : 17 Aug 2005 9:49 pm
 Sample : 200 PPB VOA CALIBRATION STD
 Misc : QBV2081705A
 MS Integration Params: rteint.p
 Quant Time: Aug 17 22:24 19105

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

Quant Results File: V2C172.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C172.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Mon Aug 01 10:59:36 2005
 Response via : Initial Calibration
 DataAcq Meth : V2C172

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.90	70	26866	50.00	ppb	0.00
25) CHLOROBENZENE-d5(ISTD)	21.37	117	180500	50.00	ppb	-0.01
47) 1,2-DICHLOROBENZENE-d4(IST)	27.32	152	88906	50.00	ppb	-0.01

System Monitoring Compounds

21) d4-1,2-Dichloroethane(SURR)	14.16	65	29877	49.48	ppb	0.00
Spiked Amount	50.000	Range	37 - 128	Recovery	=	98.96%
32) Toluene-d8(SURR)	18.16	98	156760	44.95	ppb	0.00
Spiked Amount	50.000	Range	40 - 61	Recovery	=	89.90%#
49) p-Bromofluorobenzene(SURR)	23.98	174	76318	49.75	ppb	-0.01
Spiked Amount	50.000	Range	39 - 68	Recovery	=	99.50%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	4.90	85	379898	158.33	ppb	99
3) Chloromethane	5.47	50	454300	199.87	ppb	100
4) Vinyl Chloride	5.75	62	498914	211.73	ppb	100
5) Bromomethane	6.75	94	340319	268.14	ppb	99
6) Chloroethane	6.93	64	307559	227.84	ppb	99
7) Trichlorofluoromethane	7.58	101	638833	231.71	ppb	100
8) 1,1-Dichloroethylene	8.87	61	732398	247.52	ppb	100
9) trans-1,2-Dichloroethylene	10.49	61	740650	251.49	ppb	100
10) Carbon Disulfide	9.90	76	1960097	246.86	ppb	100
11) Methylene Chloride	9.78	49	625649	228.01	ppb	100
12) tert-Butyl Methyl Ether (M	10.25	73	1157372	244.97	ppb	100
13) Acetone	8.44	43	97830	228.71	ppb	100
14) 1,1-Dichloroethane	11.28	63	873590	249.94	ppb	100
15) cis-1,2-Dichloroethylene	12.47	96	577814	251.01	ppb	# 47
16) 2-Butanone	12.03	43	156854	255.25	ppb	100
17) Bromochloromethane	13.08	49	389126	249.67	ppb	# 64
18) Chloroform	12.80	83	882103	252.66	ppb	100
19) 1,1,1-Trichloroethane	13.69	97	684603	256.38	ppb	100
20) 1,1-Dichloropropylene	14.01	75	709025	253.51	ppb	99
22) Carbon Tetrachloride	14.24	117	609519	261.07	ppb	100
23) 1,2-Dichloroethane	14.34	62	501057	248.35	ppb	100

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

Data File : C:\HPCHEM\1\DATA\V2005482.D

Vial: 7

Acq On : 17 Aug 2005 9:49 pm

Operator: bb

Sample : 200 PPB VOA CALIBRATION STD

Inst : VOA No. 2

Misc : QBV2081705A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Aug 17 22:24 19105

Quant Results File: V2C172.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C172.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Mon Aug 01 10:59:36 2005

Response via : Initial Calibration

DataAcq Meth : V2C172

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
24) Benzene	14.49	78	2059898	247.94	ppb	100
26) Trichloroethylene	15.74	95	531901	214.95	ppb	99
27) Dibromomethane	16.52	93	301165	214.15	ppb #	99
28) Bromodichloromethane	16.45	83	617302	218.49	ppb #	68
29) 1,2-Dichloropropane	16.02	63	509820	215.58	ppb	100
30) cis-1,3-Dichloropropene	17.54	75	797818	225.14	ppb	100
31) 2-Hexanone	18.91	43	239251	213.82	ppb	99
33) Toluene	18.32	91	2165498	212.54	ppb	100
34) trans-1,3-Dichloropropene	18.53	75	641811	228.95	ppb	100
35) 1,1,2-Trichloroethane	18.88	83	343503	210.57	ppb	99
36) 1,3-Dichloropropane	19.39	76	656658	205.57	ppb	100
37) Tetrachloroethylene	19.76	166	581581	215.89	ppb #	61
38) 4-Methyl-2-Pentanone	17.13	43	349458	214.19	ppb	99
39) Dibromochloromethane	20.00	129	494805	221.33	ppb	99
40) 1,2-Dibromoethane	20.46	107	412839	216.69	ppb	100
41) Chlorobenzene	21.46	112	1423313	213.23	ppb #	86
42) Ethyl Benzene	21.60	91	2406988	215.46	ppb	100
43) p- & m-Xylenes	21.78	91	3478131	429.06	ppb	99
44) o-Xylene	22.72	91	1749806	211.82	ppb	100
45) Styrene	22.75	104	1513682	216.43	ppb	100
46) 1,1,1,2-Tetrachloroethane	21.53	131	484201	215.75	ppb	99
48) Bromoform	23.39	173	305791	211.27	ppb #	100
50) 1,1,2,2-Tetrachloroethane	23.72	83	507742	201.94	ppb	100
51) 1,2,3-Trichloropropane	24.03	77	115450	199.73	ppb	98
52) Isopropylbenzene	23.51	105	2274685	202.03	ppb #	100
53) Bromobenzene	24.42	77	915113	202.46	ppb	100
54) n-Propylbenzene	24.39	91	2768203	204.13	ppb	100
55) 2-Chlorotoluene	24.74	91	1757019	203.98	ppb #	95
56) 4-Chlorotoluene	24.85	91	1569524	211.93	ppb #	100
57) tert-Butylbenzene	25.50	119	1811096	207.60	ppb #	69
58) 1,3,5-trimethylbenzene	24.73	105	1818609	204.20	ppb	100
59) 1,2,4-trimethylbenzene	25.57	105	1787061	210.81	ppb	100
60) sec-Butylbenzene	25.96	105	2514147	202.84	ppb #	96
61) 1,3-Dichlorobenzene	26.40	146	1116034	207.27	ppb #	84

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

Data File : C:\HPCHEM\1\DATA\V2005482.D
Acq On : 17 Aug 2005 9:49 pm
Sample : 200 PPB VOA CALIBRATION STD
Misc : QBV2081705A
MS Integration Params: rteint.p
Quant Time: Aug 17 22:24 19105

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

Quant Results File: V2C172.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C172.M (RTE Integrator)
Title : VOCs BY GC/MS 8240/8260
Last Update : Mon Aug 01 10:59:36 2005
Response via : Initial Calibration
DataAcq Meth : V2C172

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
62) 1,4-Dichlorobenzene	26.61	146	1146765	207.71	ppb	# 100
63) 1,2-Dichlorobenzene	27.38	146	980295	202.64	ppb	# 100
64) p-Isopropyltoluene	26.24	119	2031691	205.95	ppb	# 100
65) n-Butylbenzene	27.10	91	1914879	214.97	ppb	100
66) 1,2,4-Trichlorobenzene	31.02	180	632914	218.38	ppb	100
67) Naphthalene	31.63	128	1303535	206.82	ppb	# 97
68) Hexachloro-1,3-Butadiene	31.45	225	298237	205.17	ppb	100
69) 1,2,3-Trichlorobenzene	32.31	182	541958	207.18	ppb	# 52

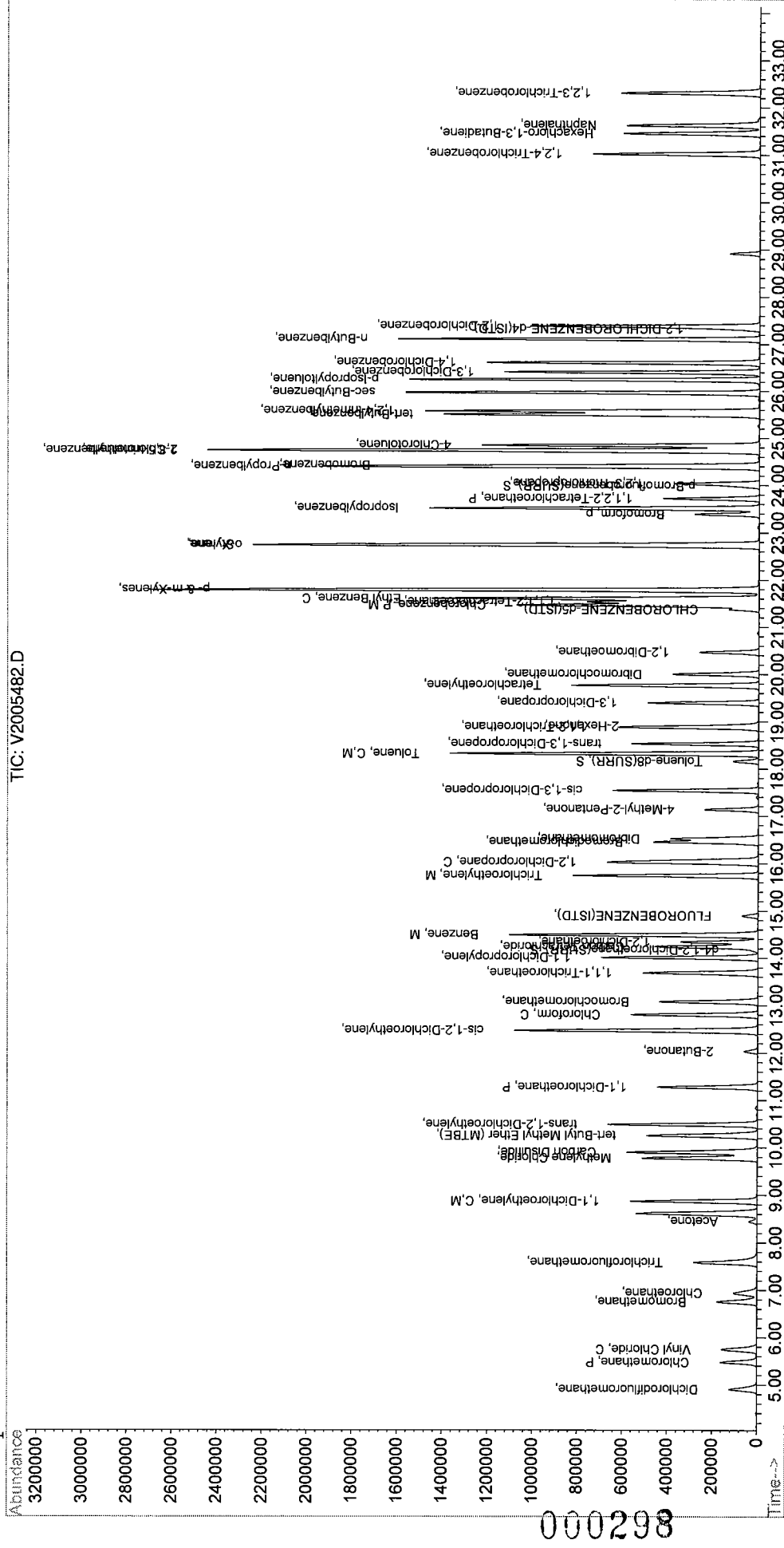
Quantitation Report

Data File : C:\HPCHEM\1\DATA\V2005482.D
Acq On : 17 Aug 2005 9:49 pm
Sample : 200 PPB VOA CALIBRATION STD
Misc : QBV2081705A
MS Integration Params: rteint.p
Quant Time: Aug 17 22:24 19105

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

Quant Results File: V2C172.RE5

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Method      : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
Title       : VOCs BY GC/MS 8240/8260
Last Update : Thu Aug 18 08:08:33 2005
Response via : Initial Calibration
```



Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\V2005609.D

Acq On : 23 Aug 2005 2:51 pm

Sample : 50ppb VOA CAL CHECK STD

Misc : QBV2082305A

MS Integration Params: rteint.p

Vial: 2

Operator: SS

Inst : VOA No. 2

Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Thu Aug 18 08:08:33 2005

Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 30% Max. R.T. Dev 0.50min

Max. RRF Dev : 25% Max. Rel. Area : 400%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	FLUOROBENZENE(ISTD)	1.000	1.000	0.0	88	0.00
2	Dichlorodifluoromethane	3.790	2.020	46.7#	42	-0.01
3 P	Chloromethane	4.391	3.606	17.9	69	-0.02
4 C	Vinyl Chloride	4.616	3.910	15.3	71	0.00
5	Bromomethane	2.747	2.616	4.8	82	0.00
6	Chloroethane	2.823	2.725	3.5	82	0.00
7	Trichlorofluoromethane	5.749	5.974	-3.9	83	0.02
8 C,M	1,1-Dichloroethylene	6.767	6.983	-3.2	88	0.02
9	trans-1,2-Dichloroethylene	6.758	7.455	-10.3	95	0.01
10	Carbon Disulfide	17.614	17.511	0.6	83	0.01
11	Methylene Chloride	6.816	6.934	-1.7	96	0.02
12	tert-Butyl Methyl Ether (MT)	10.492	12.051	-14.9	99	0.02
13	Acetone	1.287	1.457	-13.2	118	0.01
14 P	1,1-Dichloroethane	7.894	8.719	-10.5	95	0.02
15	cis-1,2-Dichloroethylene	5.221	5.827	-11.6	97	0.02
16	2-Butanone	1.503	1.659	-10.4	96	0.02
17	Bromochloromethane	3.524	4.079	-15.7	101	0.01
18 C	Chloroform	7.985	8.992	-12.6	97	0.01
19	1,1,1-Trichloroethane	6.056	6.749	-11.4	96	0.01
20	1,1-Dichloropropylene	6.364	7.188	-12.9	96	0.01
21 S	d4-1,2-Dichloroethane(SURR)	1.138	1.101	3.3	85	0.01
22	Carbon Tetrachloride	5.359	6.000	-12.0	95	0.02
23	1,2-Dichloroethane	4.575	5.200	-13.7	100	0.02
24 M	Benzene	18.762	20.962	-11.7	96	0.02
25	CHLOROBENZENE-d5(ISTD)	1.000	1.000	0.0	94	0.01
26 M	Trichloroethylene	0.716	0.755	-5.4	98	0.02
27	Dibromomethane	0.401	0.437	-9.0	100	0.01
28	Bromodichloromethane	0.802	0.860	-7.2	99	0.01
29 C	1,2-Dichloropropane	0.674	0.729	-8.2	100	0.00
30	cis-1,3-Dichloropropene	1.028	1.112	-8.2	99	0.02
31	2-Hexanone	0.324	0.352	-8.6	102	0.02
32 S	Toluene-d8(SURR)	0.880	0.847	3.8	91	0.02
33 C,M	Toluene	2.917	3.073	-5.3	98	0.02

(#) = Out of Range

V2005609.D V2C173.M

Tue Aug 23 15:43:34 2005

000299

Page 1

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\V2005609.D

Acq On : 23 Aug 2005 2:51 pm

Sample : 50ppb VOA CAL CHECK STD

Misc : QBV2082305A

MS Integration Params: rteint.p

Vial: 2

Operator: SS

Inst : VOA No. 2

Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Thu Aug 18 08:08:33 2005

Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 30% Max. R.T. Dev 0.50min

Max. RRF Dev : 25% Max. Rel. Area : 400%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
34	trans-1,3-Dichloropropene	0.806	0.870	-7.9	99	0.02
35	1,1,2-Trichloroethane	0.466	0.513	-10.1	103	0.01
36	1,3-Dichloropropane	0.908	0.986	-8.6	100	0.01
37	Tetrachloroethylene	0.786	0.846	-7.6	99	0.00
38	4-Methyl-2-Pentanone	0.474	0.512	-8.0	102	0.02
39	Dibromochloromethane	0.630	0.686	-8.9	100	0.01
40	1,2-Dibromoethane	0.540	0.590	-9.3	101	0.01
41 P,M	Chlorobenzene	1.906	2.031	-6.6	99	0.01
42 C	Ethyl Benzene	3.195	3.419	-7.0	99	0.01
43	p- & m-Xylenes	2.352	2.476	-5.3	98	0.01
44	o-Xylene	2.347	2.499	-6.5	99	0.01
45	Styrene	1.996	2.161	-8.3	100	0.00
46	1,1,1,2-Tetrachloroethane	0.631	0.682	-8.1	100	0.00
47	1,2-DICHLOROBENZENE-d4 (ISTD	1.000	1.000	0.0	98	0.00
48 p	Bromoform	0.788	0.838	-6.3	101	0.00
49 S	p-Bromofluorobenzene (SURR)	0.857	0.826	3.6	92	0.00
50 P	1,1,2,2-Tetrachloroethane	1.396	1.495	-7.1	101	0.00
51	1,2,3-Trichloropropane	0.322	0.333	-3.4	102	0.00
52	Isopropylbenzene	6.262	6.567	-4.9	98	0.01
53	Bromobenzene	2.500	2.612	-4.5	99	0.00
54	n-Propylbenzene	7.632	8.060	-5.6	100	0.00
55	2-Chlorotoluene	4.674	5.050	-8.0	100	0.00
56	4-Chlorotoluene	4.266	4.363	-2.3	98	0.01
57	tert-Butylbenzene	4.836	5.167	-6.8	100	0.00
58	1,3,5-trimethylbenzene	4.983	5.246	-5.3	99	0.00
59	1,2,4-trimethylbenzene	4.830	5.099	-5.6	101	0.00
60	sec-Butylbenzene	6.900	7.319	-6.1	100	0.00
61	1,3-Dichlorobenzene	3.063	3.196	-4.3	98	0.00
62	1,4-Dichlorobenzene	3.161	3.299	-4.4	99	0.00
63	1,2-Dichlorobenzene	2.681	2.832	-5.6	101	0.00
64	p-Isopropyltoluene	5.559	6.014	-8.2	102	0.00
65	n-Butylbenzene	5.162	5.553	-7.6	101	0.00
66	1,2,4-Trichlorobenzene	1.704	1.869	-9.7	103	0.00

(#) = Out of Range

V2005609.D V2C173.M

Tue Aug 23 15:43:59 2005

000300

Page 2

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\V2005609.D Vial: 2
 Acq On : 23 Aug 2005 2:51 pm Operator: SS
 Sample : 50ppb VOA CAL CHECK STD Inst : VOA No. 2
 Misc : QBV2082305A Multiplr: 1.00
 MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Thu Aug 18 08:08:33 2005
 Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 30% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 400%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
67	Naphthalene	3.177	3.469	-9.2	101	0.00
68	Hexachloro-1,3-Butadiene	0.825	0.913	-10.7	102	0.01
69	1,2,3-Trichlorobenzene	1.449	1.585	-9.4	102	0.00

Data File : C:\HPCHEM\1\DATA\V2005609.D

Vial: 2

Acq On : 23 Aug 2005 2:51 pm

Operator: SS

Sample : 50ppb VOA CAL CHECK STD

Inst : VOA No. 2

Misc : QBV2082305A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Aug 23 15:25 19105

Quant Results File: V2C173.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Thu Aug 18 08:08:33 2005

Response via : Initial Calibration

DataAcq Meth : V2C173

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.89	70	23242	50.00	ppb	0.00
25) CHLOROBENZENE-d5(ISTD)	21.38	117	166963	50.00	ppb	0.01
47) 1,2-DICHLOROBENZENE-d4(IST	27.32	152	84729	50.00	ppb	0.00

System Monitoring Compounds

21) d4-1,2-Dichloroethane(SURR	14.16	65	25583	48.36	ppb	0.01
Spiked Amount	50.000	Range	37 - 128	Recovery	=	96.72%
32) Toluene-d8(SURR)	18.16	98	141453	48.15	ppb	0.02
Spiked Amount	50.000	Range	40 - 61	Recovery	=	96.30%#
49) p-Bromofluorobenzene(SURR)	23.99	174	69991	48.22	ppb	0.00
Spiked Amount	50.000	Range	39 - 68	Recovery	=	96.44%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	4.88	85	46955	26.65	ppb	100
3) Chloromethane	5.45	50	83816	41.07	ppb	100
4) Vinyl Chloride	5.72	62	90879	42.35	ppb	99
5) Bromomethane	6.73	94	60796	47.61	ppb	98
6) Chloroethane	6.93	64	63323	48.25	ppb	99
7) Trichlorofluoromethane	7.58	101	138848	51.96	ppb	100
8) 1,1-Dichloroethylene	8.88	61	162306	51.60	ppb	# 74
9) trans-1,2-Dichloroethylene	10.49	61	173264	55.16	ppb	100
10) Carbon Disulfide	9.90	76	406990	49.71	ppb	100
11) Methylene Chloride	9.79	49	161154	50.86	ppb	# 99
12) tert-Butyl Methyl Ether (M	10.26	73	280078	57.43	ppb	# 95
13) Acetone	8.44	43	33854	56.60	ppb	99
14) 1,1-Dichloroethane	11.28	63	202653	55.23	ppb	100
15) cis-1,2-Dichloroethylene	12.48	96	135434	55.81	ppb	# 99
16) 2-Butanone	12.04	43	38554	55.17	ppb	100
17) Bromochloromethane	13.08	49	94812	57.89	ppb	# 62
18) Chloroform	12.81	83	208984	56.30	ppb	100
19) 1,1,1-Trichloroethane	13.69	97	156851	55.71	ppb	100
20) 1,1-Dichloropropylene	14.01	75	167054	56.47	ppb	99
22) Carbon Tetrachloride	14.25	117	139458	55.98	ppb	# 58
23) 1,2-Dichloroethane	14.35	62	120870	56.84	ppb	100

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

Data File : C:\HPCHEM\1\DATA\V2005609.D

Vial: 2

Acq On : 23 Aug 2005 2:51 pm

Operator: SS

Sample : 50ppb VOA CAL CHECK STD

Inst : VOA No. 2

Misc : QBV2082305A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Aug 23 15:25 19105

Quant Results File: V2C173.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Thu Aug 18 08:08:33 2005

Response via : Initial Calibration

DataAcq Meth : V2C173

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
24) Benzene	14.49	78	487196	55.86	ppb	100
26) Trichloroethylene	15.75	95	126133	52.79	ppb #	56
27) Dibromomethane	16.52	93	72921	54.42	ppb	100
28) Bromodichloromethane	16.45	83	143614	53.60	ppb #	97
29) 1,2-Dichloropropane	16.02	63	121718	54.07	ppb #	83
30) cis-1,3-Dichloropropene	17.55	75	185599	54.07	ppb #	92
31) 2-Hexanone	18.92	43	58764	54.33	ppb	100
33) Toluene	18.33	91	513006	52.66	ppb	100
34) trans-1,3-Dichloropropene	18.54	75	145333	53.98	ppb #	88
35) 1,1,2-Trichloroethane	18.88	83	85702	55.04	ppb	100
36) 1,3-Dichloropropane	19.40	76	164636	54.32	ppb #	100
37) Tetrachloroethylene	19.76	166	141297	53.83	ppb #	100
38) 4-Methyl-2-Pentanone	17.15	43	85466	54.03	ppb	100
39) Dibromochloromethane	20.01	129	114563	54.49	ppb	100
40) 1,2-Dibromoethane	20.47	107	98540	54.64	ppb	100
41) Chlorobenzene	21.46	112	339179	53.29	ppb #	100
42) Ethyl Benzene	21.61	91	570834	53.51	ppb	100
43) p- & m-Xylenes	21.79	91	826783	105.25	ppb	100
44) o-Xylene	22.73	91	417236	53.25	ppb	100
45) Styrene	22.75	104	360889	54.15	ppb	100
46) 1,1,1,2-Tetrachloroethane	21.53	131	113824	54.04	ppb	99
48) Bromoform	23.39	173	70986	53.18	ppb #	100
50) 1,1,2,2-Tetrachloroethane	23.72	83	126676	53.54	ppb #	68
51) 1,2,3-Trichloropropane	24.04	77	28240	51.75	ppb	95
52) Isopropylbenzene	23.52	105	556414	52.44	ppb #	90
53) Bromobenzene	24.42	77	221329	52.24	ppb	100
54) n-Propylbenzene	24.39	91	682878	52.80	ppb	100
55) 2-Chlorotoluene	24.75	91	427873	54.02	ppb #	86
56) 4-Chlorotoluene	24.85	91	369693	51.14	ppb #	85
57) tert-Butylbenzene	25.50	119	437796	53.43	ppb #	91
58) 1,3,5-trimethylbenzene	24.73	105	444496	52.64	ppb	100
59) 1,2,4-trimethylbenzene	25.57	105	431998	52.78	ppb	99
60) sec-Butylbenzene	25.96	105	620132	53.04	ppb #	94
61) 1,3-Dichlorobenzene	26.41	146	270771	52.17	ppb	100

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

Data File : C:\HPCHEM\1\DATA\V2005609.D

Vial: 2

Acq On : 23 Aug 2005 2:51 pm

Operator: SS

Sample : 50ppb VOA CAL CHECK STD

Inst : VOA No. 2

Misc : QBV2082305A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Aug 23 15:25 19105

Quant Results File: V2C173.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Thu Aug 18 08:08:33 2005

Response via : Initial Calibration

DataAcq Meth : V2C173

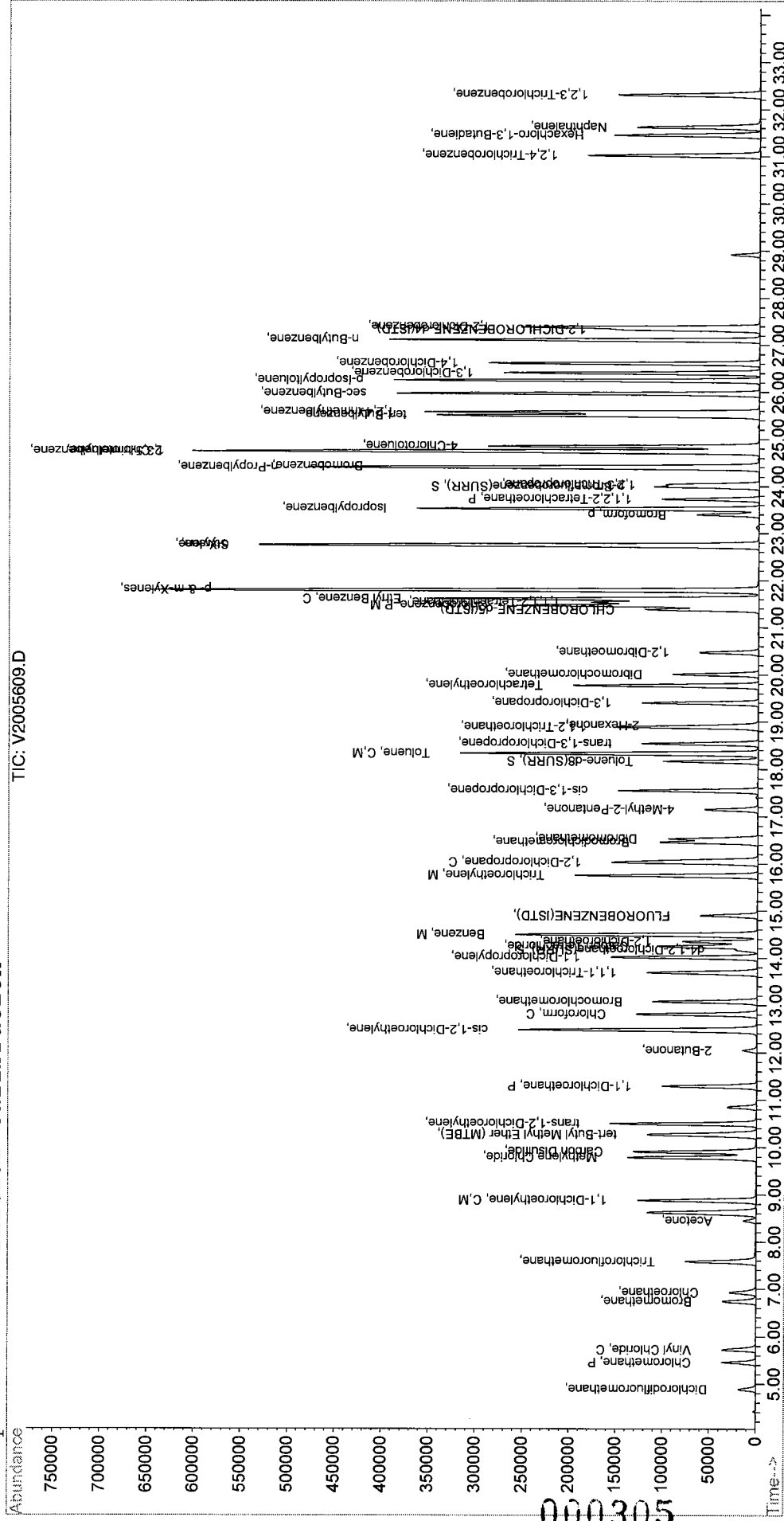
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
62) 1,4-Dichlorobenzene	26.60	146	279483	52.18	ppb #	68
63) 1,2-Dichlorobenzene	27.38	146	239970	52.82	ppb #	100
64) p-Isopropyltoluene	26.24	119	509518	54.08	ppb #	100
65) n-Butylbenzene	27.10	91	470510	53.79	ppb	100
66) 1,2,4-Trichlorobenzene	31.01	180	158343	54.84	ppb	100
67) Naphthalene	31.62	128	293896	54.59	ppb #	97
68) Hexachloro-1,3-Butadiene	31.46	225	77316	55.28	ppb	99
69) 1,2,3-Trichlorobenzene	32.31	182	134277	54.70	ppb	100

Quantitation Report

Data File : C:\HPCHEM\1\DATA\V2005609.D
 Acq On : 23 Aug 2005 2:51 pm
 Sample : 50ppb VOA CAL CHECK STD
 Misc : QBV2082305A
 MS Integration Params: rteint.p
 Quant Time: Aug 23 15:25 19105

Vial: 2
 Operator: SS
 Inst : VOA No. 2
 Multiplr: 1.00
 Quant Results File: V2C173.RES

Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Thu Aug 18 08:08:33 2005
 Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\V2005626.D

Vial: 19

Acq On : 24 Aug 2005 2:37 am

Operator: SS

Sample : 50ppb VOA CAL CHECK STD

Inst : VOA No. 2

Misc : QBV2082305B

Multiplr: 1.00

MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Thu Aug 18 08:08:33 2005

Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 30% Max. R.T. Dev 0.50min

Max. RRF Dev : 25% Max. Rel. Area : 400%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	FLUOROBENZENE(ISTD)	1.000	1.000	0.0	84	0.06
2	Dichlorodifluoromethane	3.790	2.057	45.7#	40	0.03
3 P	Chloromethane	4.391	3.592	18.2	65	0.03
4 C	Vinyl Chloride	4.616	3.978	13.8	69	0.04
5	Bromomethane	2.747	2.645	3.7	79	0.05
6	Chloroethane	2.823	2.740	2.9	79	0.04
7	Trichlorofluoromethane	5.749	5.707	0.7	76	0.05
8 C,M	1,1-Dichloroethylene	6.767	7.016	-3.7	84	0.05
9	trans-1,2-Dichloroethylene	6.758	7.386	-9.3	89	0.06
10	Carbon Disulfide	17.614	18.055	-2.5	82	0.06
11	Methylene Chloride	6.816	7.076	-3.8	93	0.05
12	tert-Butyl Methyl Ether (MT)	10.492	11.962	-14.0	93	0.06
13	Acetone	1.287	1.403	-9.0	109	0.06
14 P	1,1-Dichloroethane	7.894	8.768	-11.1	91	0.06
15	cis-1,2-Dichloroethylene	5.221	5.830	-11.7	93	0.07
16	2-Butanone	1.503	1.613	-7.3	89	0.06
17	Bromochloromethane	3.524	4.138	-17.4	97	0.06
18 C	Chloroform	7.985	9.020	-13.0	93	0.06
19	1,1,1-Trichloroethane	6.056	6.862	-13.3	93	0.06
20	1,1-Dichloropropylene	6.364	7.127	-12.0	91	0.06
21 S	d4-1,2-Dichloroethane(SURR)	1.138	1.149	-1.0	84	0.06
22	Carbon Tetrachloride	5.359	6.096	-13.8	92	0.07
23	1,2-Dichloroethane	4.575	5.154	-12.7	94	0.06
24 M	Benzene	18.762	21.118	-12.6	92	0.06
25	CHLOROBENZENE-d5(ISTD)	1.000	1.000	0.0	89	0.05
26 M	Trichloroethylene	0.716	0.760	-6.1	93	0.06
27	Dibromomethane	0.401	0.442	-10.2	96	0.06
28	Bromodichloromethane	0.802	0.869	-8.4	95	0.06
29 C	1,2-Dichloropropane	0.674	0.741	-9.9	96	0.06
30	cis-1,3-Dichloropropene	1.028	1.103	-7.3	93	0.06
31	2-Hexanone	0.324	0.341	-5.2	94	0.06
32 S	Toluene-d8(SURR)	0.880	0.845	4.0	86	0.05
33 C,M	Toluene	2.917	3.101	-6.3	93	0.06

(#)= Out of Range

V2005626.D V2C173.M

Wed Aug 24 09:04:51 2005

Page 1

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Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\V2005626.D

Vial: 19

Acq On : 24 Aug 2005 2:37 am

Operator: SS

Sample : 50ppb VOA CAL CHECK STD

Inst : VOA No. 2

Misc : QBV2082305B

Multiplr: 1.00

MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Thu Aug 18 08:08:33 2005

Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 30% Max. R.T. Dev 0.50min

Max. RRF Dev : 25% Max. Rel. Area : 400%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
34	trans-1,3-Dichloropropene	0.806	0.864	-7.2	93	0.06
35	1,1,2-Trichloroethane	0.466	0.501	-7.5	95	0.06
36	1,3-Dichloropropane	0.908	0.982	-8.1	94	0.05
37	Tetrachloroethylene	0.786	0.840	-6.9	93	0.06
38	4-Methyl-2-Pentanone	0.474	0.507	-7.0	95	0.06
39	Dibromochloromethane	0.630	0.681	-8.1	94	0.06
40	1,2-Dibromoethane	0.540	0.584	-8.1	95	0.05
41 P,M	Chlorobenzene	1.906	2.026	-6.3	93	0.05
42 C	Ethyl Benzene	3.195	3.418	-7.0	93	0.06
43	p- & m-Xylenes	2.352	2.473	-5.1	92	0.05
44	o-Xylene	2.347	2.523	-7.5	94	0.05
45	Styrene	1.996	2.141	-7.3	94	0.05
46	1,1,1,2-Tetrachloroethane	0.631	0.687	-8.9	95	0.06
47	1,2-DICHLOROBENZENE-d4 (ISTD	1.000	1.000	0.0	90	0.04
48 p	Bromoform	0.788	0.852	-8.1	94	0.05
49 S	p-Bromofluorobenzene (SURR)	0.857	0.851	0.7	87	0.05
50 P	1,1,2,2-Tetrachloroethane	1.396	1.502	-7.6	93	0.05
51	1,2,3-Trichloropropane	0.322	0.334	-3.7	94	0.05
52	Isopropylbenzene	6.262	6.737	-7.6	93	0.05
53	Bromobenzene	2.500	2.669	-6.8	94	0.04
54	n-Propylbenzene	7.632	7.953	-4.2	91	0.05
55	2-Chlorotoluene	4.674	5.047	-8.0	92	0.04
56	4-Chlorotoluene	4.266	4.396	-3.0	91	0.05
57	tert-Butylbenzene	4.836	5.287	-9.3	94	0.05
58	1,3,5-trimethylbenzene	4.983	5.290	-6.2	92	0.05
59	1,2,4-trimethylbenzene	4.830	5.084	-5.3	93	0.04
60	sec-Butylbenzene	6.900	7.330	-6.2	92	0.05
61	1,3-Dichlorobenzene	3.063	3.135	-2.4	89	0.04
62	1,4-Dichlorobenzene	3.161	3.274	-3.6	91	0.05
63	1,2-Dichlorobenzene	2.681	2.806	-4.7	92	0.05
64	p-Isopropyltoluene	5.559	5.735	-3.2	90	0.04
65	n-Butylbenzene	5.162	5.183	-0.4	87	0.04
66	1,2,4-Trichlorobenzene	1.704	1.642	3.6	83	0.05

(#)= Out of Range

V2005626.D V2C173.M

Wed Aug 24 09:05:16 2005

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Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\V2005626.D
 Acq On : 24 Aug 2005 2:37 am
 Sample : 50ppb VOA CAL CHECK STD
 Misc : QBV2082305B
 MS Integration Params: rteint.p

Vial: 19
 Operator: SS
 Inst : VOA No. 2
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Thu Aug 18 08:08:33 2005
 Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 30% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 400%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
67	Naphthalene	3.177	3.282	-3.3	88	0.05
68	Hexachloro-1,3-Butadiene	0.825	0.828	-0.4	86	0.05
69	1,2,3-Trichlorobenzene	1.449	1.446	0.2	86	0.05

Data File : C:\HPCHEM\1\DATA\V2005626.D

Vial: 19

Acq On : 24 Aug 2005 2:37 am

Operator: SS

Sample : 50ppb VOA CAL CHECK STD

Inst : VOA No. 2

Misc : QBV2082305B

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Aug 24 8:54 19105

Quant Results File: V2C173.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Thu Aug 18 08:08:33 2005

Response via : Initial Calibration

DataAcq Meth : V2C173

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.95	70	22137	50.00	ppb	0.06
25) CHLOROBENZENE-d5(ISTD)	21.42	117	157911	50.00	ppb	0.05
47) 1,2-DICHLOROBENZENE-d4(IST	27.36	152	78143	50.00	ppb	0.04

System Monitoring Compounds

21) d4-1,2-Dichloroethane(SURR	14.21	65	25446	50.51	ppb	0.06
Spiked Amount	50.000	Range	37 - 128	Recovery	=	101.02%
32) Toluene-d8(SURR)	18.20	98	133485	48.05	ppb	0.05
Spiked Amount	50.000	Range	40 - 61	Recovery	=	96.10%#
49) p-Bromofluorobenzene(SURR)	24.03	174	66465	49.65	ppb	0.05
Spiked Amount	50.000	Range	39 - 68	Recovery	=	99.30%#

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	4.93	85	45546	27.15	ppb	100
3) Chloromethane	5.50	50	79527	40.91	ppb	99
4) Vinyl Chloride	5.78	62	88052	43.08	ppb	100
5) Bromomethane	6.79	94	58563	48.15	ppb	99
6) Chloroethane	6.96	64	60660	48.53	ppb	100
7) Trichlorofluoromethane	7.61	101	126330	49.63	ppb	100
8) 1,1-Dichloroethylene	8.91	61	155309	51.84	ppb	100
9) trans-1,2-Dichloroethylene	10.54	61	163508	54.65	ppb	100
10) Carbon Disulfide	9.95	76	399687	51.25	ppb	100
11) Methylene Chloride	9.82	49	156650	51.91	ppb	# 55
12) tert-Butyl Methyl Ether (M	10.30	73	264805	57.00	ppb	100
13) Acetone	8.49	43	31059	54.52	ppb	100
14) 1,1-Dichloroethane	11.33	63	194104	55.54	ppb	100
15) cis-1,2-Dichloroethylene	12.53	96	129055	55.83	ppb	# 100
16) 2-Butanone	12.08	43	35696	53.63	ppb	99
17) Bromochloromethane	13.12	49	91594	58.71	ppb	# 62
18) Chloroform	12.85	83	199675	56.48	ppb	100
19) 1,1,1-Trichloroethane	13.74	97	151913	56.65	ppb	# 70
20) 1,1-Dichloropropylene	14.06	75	157775	56.00	ppb	# 89
22) Carbon Tetrachloride	14.30	117	134957	56.88	ppb	100
23) 1,2-Dichloroethane	14.39	62	114097	56.33	ppb	100

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

V2005626.D V2C173.M Wed Aug 24 08:54:58 2005

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Data File : C:\HPCHEM\1\DATA\V2005626.D

Vial: 19

Acq On : 24 Aug 2005 2:37 am

Operator: SS

Sample : 50ppb VOA CAL CHECK STD

Inst : VOA No. 2

Misc : QBV2082305B

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Aug 24 8:54 19105

Quant Results File: V2C173.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Thu Aug 18 08:08:33 2005

Response via : Initial Calibration

DataAcq Meth : V2C173

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
24) Benzene	14.54	78	467486	56.28	ppb	100
26) Trichloroethylene	15.79	95	119996	53.10	ppb	99
27) Dibromomethane	16.57	93	69771	55.05	ppb	100
28) Bromodichloromethane	16.50	83	137265	54.17	ppb #	97
29) 1,2-Dichloropropane	16.07	63	116972	54.94	ppb #	100
30) cis-1,3-Dichloropropene	17.59	75	174229	53.66	ppb	100
31) 2-Hexanone	18.96	43	53862	52.65	ppb	100
33) Toluene	18.37	91	489702	53.15	ppb	100
34) trans-1,3-Dichloropropene	18.58	75	136409	53.57	ppb #	91
35) 1,1,2-Trichloroethane	18.93	83	79093	53.71	ppb #	57
36) 1,3-Dichloropropane	19.44	76	155108	54.11	ppb #	87
37) Tetrachloroethylene	19.81	166	132657	53.43	ppb #	100
38) 4-Methyl-2-Pentanone	17.19	43	80043	53.50	ppb	99
39) Dibromochloromethane	20.05	129	107554	54.08	ppb	99
40) 1,2-Dibromoethane	20.51	107	92211	54.06	ppb	100
41) Chlorobenzene	21.50	112	319945	53.15	ppb #	100
42) Ethyl Benzene	21.65	91	539803	53.50	ppb	100
43) p- & m-Xylenes	21.83	91	780986	105.12	ppb	100
44) o-Xylene	22.77	91	398383	53.76	ppb	100
45) Styrene	22.79	104	338109	53.64	ppb	100
46) 1,1,1,2-Tetrachloroethane	21.58	131	108547	54.49	ppb	99
48) Bromoform	23.43	173	66602	54.11	ppb #	100
50) 1,1,2,2-Tetrachloroethane	23.76	83	117339	53.78	ppb #	100
51) 1,2,3-Trichloropropane	24.08	77	26105	51.87	ppb	97
52) Isopropylbenzene	23.55	105	526464	53.80	ppb #	97
53) Bromobenzene	24.46	77	208592	53.39	ppb	100
54) n-Propylbenzene	24.43	91	621440	52.10	ppb	100
55) 2-Chlorotoluene	24.79	91	394351	53.99	ppb #	86
56) 4-Chlorotoluene	24.88	91	343524	51.52	ppb	100
57) tert-Butylbenzene	25.54	119	413169	54.67	ppb #	100
58) 1,3,5-trimethylbenzene	24.77	105	413372	53.08	ppb	100
59) 1,2,4-trimethylbenzene	25.61	105	397300	52.64	ppb	99
60) sec-Butylbenzene	26.00	105	572805	53.12	ppb #	96
61) 1,3-Dichlorobenzene	26.44	146	244959	51.18	ppb #	88

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

Data File : C:\HPCHEM\1\DATA\V2005626.D

Vial: 19

Acq On : 24 Aug 2005 2:37 am

Operator: SS

Sample : 50ppb VOA CAL CHECK STD

Inst : VOA No. 2

Misc : QBV2082305B

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Aug 24 8:54 19105

Quant Results File: V2C173.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Thu Aug 18 08:08:33 2005

Response via : Initial Calibration

DataAcq Meth : V2C173

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
62) 1,4-Dichlorobenzene	26.65	146	255858	51.79	ppb	# 100
63) 1,2-Dichlorobenzene	27.42	146	219238	52.32	ppb	# 100
64) p-Isopropyltoluene	26.28	119	448132	51.58	ppb	# 100
65) n-Butylbenzene	27.14	91	405016	50.20	ppb	100
66) 1,2,4-Trichlorobenzene	31.06	180	128281	48.17	ppb	100
67) Naphthalene	31.67	128	256436	51.64	ppb	# 97
68) Hexachloro-1,3-Butadiene	31.49	225	64679	50.14	ppb	# 78
69) 1,2,3-Trichlorobenzene	32.35	182	113025	49.92	ppb	99

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

V2005626.D V2C173.M

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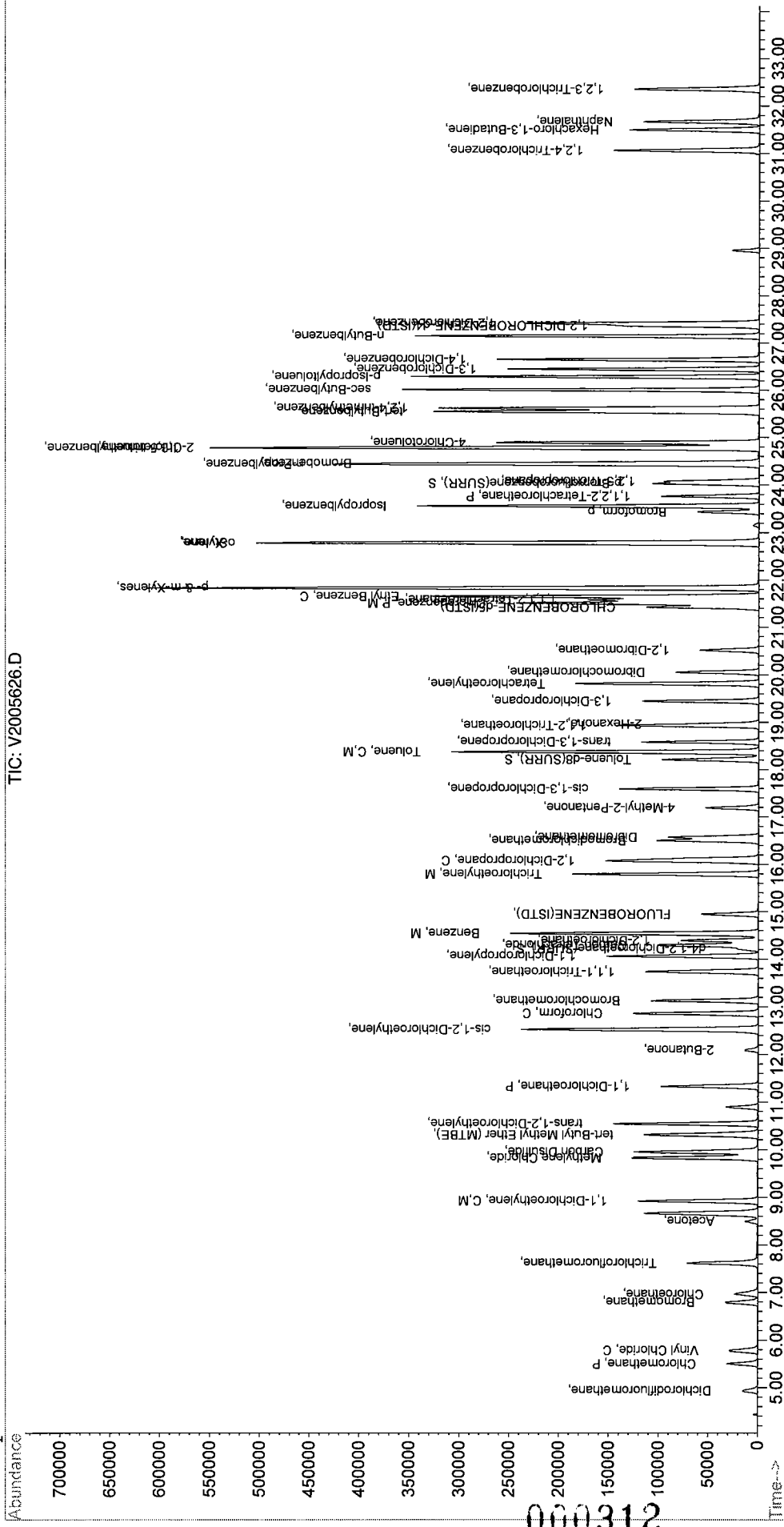
Quantitation Report

Data File : C:\HPCHEM\1\DATA\V2005626.D
 Acq On : 24 Aug 2005 2:37 am
 Sample : 50ppb VOA CAL CHECK STD
 Misc : QBV2082305B
 MS Integration Params: rteint.p
 Quant Time: Aug 24 8:54 19105

Vial: 19
 Operator: SS
 Inst : VOA No. 2
 Multiplr: 1.00

Quant Results File: V2C173.RES

Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Thu Aug 18 08:08:33 2005
 Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\V2005644.D

Vial: 2

Acq On : 24 Aug 2005 3:13 pm

Operator: SS

Sample : 50ppb VOA CAL CHECK STD

Inst : VOA No. 2

Misc : QBV2082405A

Multiplr: 1.00

MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Thu Aug 18 08:08:33 2005

Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 30% Max. R.T. Dev 0.50min

Max. RRF Dev : 25% Max. Rel. Area : 400%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	FLUOROBENZENE(ISTD)	1.000	1.000	0.0	87	-0.02
2	Dichlorodifluoromethane	3.790	2.753	27.4#	56	-0.03
3 P	Chloromethane	4.391	4.242	3.4	80	-0.04
4 C	Vinyl Chloride	4.616	4.614	0.0	82	-0.04
5	Bromomethane	2.747	2.780	-1.2	86	-0.02
6	Chloroethane	2.823	3.051	-8.1	91	-0.02
7	Trichlorofluoromethane	5.749	6.074	-5.7	83	0.00
8 C,M	1,1-Dichloroethylene	6.767	7.287	-7.7	90	-0.01
9	trans-1,2-Dichloroethylene	6.758	7.527	-11.4	94	-0.01
10	Carbon Disulfide	17.614	19.217	-9.1	90	-0.01
11	Methylene Chloride	6.816	7.593	-11.4	104	-0.01
12	tert-Butyl Methyl Ether (MT)	10.492	11.664	-11.2	94	-0.02
13	Acetone	1.287	1.164	9.6	93	0.00
14 P	1,1-Dichloroethane	7.894	8.886	-12.6	96	0.00
15	cis-1,2-Dichloroethylene	5.221	5.919	-13.4	97	-0.01
16	2-Butanone	1.503	1.410	6.2	80	0.00
17	Bromochloromethane	3.524	4.033	-14.4	98	-0.01
18 C	Chloroform	7.985	8.864	-11.0	94	-0.01
19	1,1,1-Trichloroethane	6.056	6.774	-11.9	95	-0.02
20	1,1-Dichloropropylene	6.364	7.275	-14.3	96	0.00
21 S	d4-1,2-Dichloroethane(SURR)	1.138	1.074	5.6	82	-0.02
22	Carbon Tetrachloride	5.359	5.892	-9.9	92	-0.01
23	1,2-Dichloroethane	4.575	4.881	-6.7	92	0.00
24 M	Benzene	18.762	21.236	-13.2	96	0.00
25	CHLOROBENZENE-d5(ISTD)	1.000	1.000	0.0	94	-0.01
26 M	Trichloroethylene	0.716	0.748	-4.5	98	-0.01
27	Dibromomethane	0.401	0.397	1.0	92	-0.01
28	Bromodichloromethane	0.802	0.806	-0.5	94	-0.02
29 C	1,2-Dichloropropane	0.674	0.708	-5.0	97	-0.02
30	cis-1,3-Dichloropropene	1.028	1.083	-5.4	97	-0.02
31	2-Hexanone	0.324	0.320	1.2	94	0.00
32 S	Toluene-d8(SURR)	0.880	0.849	3.5	92	-0.02
33 C,M	Toluene	2.917	3.023	-3.6	97	0.00

(#)= Out of Range

V2005644.D V2C173.M

Wed Aug 24 15:51:39 2005

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Page 1

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\V2005644.D

Acq On : 24 Aug 2005 3:13 pm

Sample : 50ppb VOA CAL CHECK STD

Misc : QBV2082405A

MS Integration Params: rteint.p

Vial: 2

Operator: SS

Inst : VOA No. 2

Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Thu Aug 18 08:08:33 2005

Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 30% Max. R.T. Dev 0.50min

Max. RRF Dev : 25% Max. Rel. Area : 400%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
34	trans-1,3-Dichloropropene	0.806	0.811	-0.6	93	-0.02
35	1,1,2-Trichloroethane	0.466	0.487	-4.5	98	0.00
36	1,3-Dichloropropane	0.908	0.945	-4.1	97	-0.01
37	Tetrachloroethylene	0.786	0.824	-4.8	97	-0.02
38	4-Methyl-2-Pentanone	0.474	0.473	0.2	94	-0.02
39	Dibromochloromethane	0.630	0.648	-2.9	95	-0.01
40	1,2-Dibromoethane	0.540	0.557	-3.1	96	-0.01
41 P,M	Chlorobenzene	1.906	1.988	-4.3	98	-0.02
42 C	Ethyl Benzene	3.195	3.334	-4.4	97	-0.01
43	p- & m-Xylenes	2.352	2.447	-4.0	97	-0.01
44	o-Xylene	2.347	2.476	-5.5	99	-0.01
45	Styrene	1.996	2.133	-6.9	99	-0.01
46	1,1,1,2-Tetrachloroethane	0.631	0.658	-4.3	97	0.00
47	1,2-DICHLOROBENZENE-d4 (ISTD)	1.000	1.000	0.0	97	0.00
48 p	Bromoform	0.788	0.795	-0.9	94	-0.02
49 S	p-Bromofluorobenzene (SURR)	0.857	0.852	0.6	94	-0.02
50 P	1,1,2,2-Tetrachloroethane	1.396	1.424	-2.0	95	-0.01
51	1,2,3-Trichloropropane	0.322	0.317	1.6	96	-0.01
52	Isopropylbenzene	6.262	6.612	-5.6	98	-0.01
53	Bromobenzene	2.500	2.589	-3.6	97	-0.01
54	n-Propylbenzene	7.632	8.008	-4.9	98	0.00
55	2-Chlorotoluene	4.674	4.951	-5.9	97	-0.02
56	4-Chlorotoluene	4.266	4.434	-3.9	98	0.00
57	tert-Butylbenzene	4.836	5.187	-7.3	99	0.00
58	1,3,5-trimethylbenzene	4.983	5.289	-6.1	99	-0.01
59	1,2,4-trimethylbenzene	4.830	5.069	-4.9	99	-0.01
60	sec-Butylbenzene	6.900	7.322	-6.1	99	0.00
61	1,3-Dichlorobenzene	3.063	3.206	-4.7	97	-0.02
62	1,4-Dichlorobenzene	3.161	3.275	-3.6	98	-0.02
63	1,2-Dichlorobenzene	2.681	2.792	-4.1	98	-0.01
64	p-Isopropyltoluene	5.559	5.937	-6.8	99	-0.01
65	n-Butylbenzene	5.162	5.521	-7.0	100	-0.01
66	1,2,4-Trichlorobenzene	1.704	1.786	-4.8	97	0.00

(#) = Out of Range

V2005644.D V2C173.M

Wed Aug 24 15:51:53 2005

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Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\V2005644.D
 Acq On : 24 Aug 2005 3:13 pm
 Sample : 50ppb VOA CAL CHECK STD
 Misc : QBV2082405A
 MS Integration Params: rteint.p

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

Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Thu Aug 18 08:08:33 2005
 Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 30% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 400%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
67	Naphthalene	3.177	3.461	-8.9	100	0.00
68	Hexachloro-1,3-Butadiene	0.825	0.873	-5.8	97	0.00
69	1,2,3-Trichlorobenzene	1.449	1.500	-3.5	95	-0.02

Data File : C:\HPCHEM\1\DATA\V2005644.D

Vial: 2

Acq On : 24 Aug 2005 3:13 pm

Operator: SS

Sample : 50ppb VOA CAL CHECK STD

Inst : VOA No. 2

Misc : QBV2082405A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Aug 24 15:47 19105

Quant Results File: V2C173.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Thu Aug 18 08:08:33 2005

Response via : Initial Calibration

DataAcq Meth : V2C173

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.86	70	22905	50.00	ppb	-0.02
25) CHLOROBENZENE-d5(ISTD)	21.35	117	168186	50.00	ppb	-0.01
47) 1,2-DICHLOROBENZENE-d4(ISTD)	27.31	152	83821	50.00	ppb	0.00

System Monitoring Compounds

21) d4-1,2-Dichloroethane(SURR)	14.13	65	24609	47.21	ppb	-0.02
Spiked Amount	50.000	Range	37 - 128	Recovery	=	94.42%
32) Toluene-d8(SURR)	18.13	98	142771	48.25	ppb	-0.02
Spiked Amount	50.000	Range	40 - 61	Recovery	=	96.50%#
49) p-Bromofluorobenzene(SURR)	23.96	174	71410	49.73	ppb	-0.02
Spiked Amount	50.000	Range	39 - 68	Recovery	=	99.46%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	4.87	85	63058	36.32	ppb	100
3) Chloromethane	5.43	50	97153	48.30	ppb	100
4) Vinyl Chloride	5.70	62	105677	49.98	ppb	100
5) Bromomethane	6.72	94	63678	50.60	ppb	99
6) Chloroethane	6.91	64	69893	54.04	ppb	99
7) Trichlorofluoromethane	7.56	101	139121	52.83	ppb	100
8) 1,1-Dichloroethylene	8.85	61	166902	53.84	ppb	99
9) trans-1,2-Dichloroethylene	10.46	61	172404	55.69	ppb	# 68
10) Carbon Disulfide	9.87	76	440166	54.55	ppb	100
11) Methylene Chloride	9.75	49	173926	55.70	ppb	# 100
12) tert-Butyl Methyl Ether (M	10.23	73	267157	55.58	ppb	# 95
13) Acetone	8.43	43	26671	45.25	ppb	100
14) 1,1-Dichloroethane	11.26	63	203537	56.28	ppb	100
15) cis-1,2-Dichloroethylene	12.45	96	135564	56.68	ppb	# 33
16) 2-Butanone	12.02	43	32295	46.89	ppb	100
17) Bromochloromethane	13.05	49	92375	57.23	ppb	# 100
18) Chloroform	12.78	83	203021	55.50	ppb	100
19) 1,1,1-Trichloroethane	13.65	97	155153	55.92	ppb	100
20) 1,1-Dichloropropylene	13.99	75	166627	57.16	ppb	# 86
22) Carbon Tetrachloride	14.22	117	134949	54.97	ppb	# 92
23) 1,2-Dichloroethane	14.32	62	111806	53.35	ppb	# 97

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

V2005644.D V2C173.M Wed Aug 24 15:47:58 2005

000316

Page 1

Data File : C:\HPCHEM\1\DATA\V2005644.D

Vial: 2

Acq On : 24 Aug 2005 3:13 pm

Operator: SS

Sample : 50ppb VOA CAL CHECK STD

Inst : VOA No. 2

Misc : QBV2082405A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Aug 24 15:47 19105

Quant Results File: V2C173.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Thu Aug 18 08:08:33 2005

Response via : Initial Calibration

DataAcq Meth : V2C173

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
24) Benzene	14.46	78	486403	56.59	ppb	100
26) Trichloroethylene	15.72	95	125830	52.28	ppb	100
27) Dibromomethane	16.50	93	66824	49.50	ppb	99
28) Bromodichloromethane	16.43	83	135574	50.23	ppb	# 97
29) 1,2-Dichloropropane	15.99	63	119012	52.48	ppb	# 100
30) cis-1,3-Dichloropropene	17.51	75	182171	52.68	ppb	100
31) 2-Hexanone	18.90	43	53806	49.38	ppb	99
33) Toluene	18.30	91	508487	51.82	ppb	100
34) trans-1,3-Dichloropropene	18.51	75	136323	50.27	ppb	100
35) 1,1,2-Trichloroethane	18.86	83	81843	52.18	ppb	99
36) 1,3-Dichloropropane	19.37	76	158937	52.06	ppb	# 100
37) Tetrachloroethylene	19.74	166	138551	52.40	ppb	# 64
38) 4-Methyl-2-Pentanone	17.11	43	79478	49.88	ppb	100
39) Dibromochloromethane	19.98	129	108922	51.43	ppb	99
40) 1,2-Dibromoethane	20.44	107	93631	51.54	ppb	99
41) Chlorobenzene	21.44	112	334366	52.16	ppb	# 100
42) Ethyl Benzene	21.58	91	560777	52.18	ppb	100
43) p- & m-Xylenes	21.76	91	823228	104.03	ppb	100
44) o-Xylene	22.71	91	416470	52.76	ppb	100
45) Styrene	22.73	104	358776	53.44	ppb	100
46) 1,1,1,2-Tetrachloroethane	21.51	131	110681	52.16	ppb	99
48) Bromoform	23.37	173	66599	50.44	ppb	# 100
50) 1,1,2,2-Tetrachloroethane	23.70	83	119339	50.99	ppb	# 100
51) 1,2,3-Trichloropropane	24.02	77	26574	49.23	ppb	97
52) Isopropylbenzene	23.49	105	554232	52.80	ppb	# 97
53) Bromobenzene	24.40	77	217016	51.78	ppb	100
54) n-Propylbenzene	24.37	91	671225	52.46	ppb	100
55) 2-Chlorotoluene	24.73	91	414981	52.96	ppb	# 100
56) 4-Chlorotoluene	24.83	91	371660	51.97	ppb	100
57) tert-Butylbenzene	25.48	119	434776	53.63	ppb	# 100
58) 1,3,5-trimethylbenzene	24.71	105	443357	53.08	ppb	100
59) 1,2,4-trimethylbenzene	25.55	105	424856	52.47	ppb	99
60) sec-Butylbenzene	25.95	105	613729	53.06	ppb	# 96
61) 1,3-Dichlorobenzene	26.38	146	268690	52.33	ppb	100

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

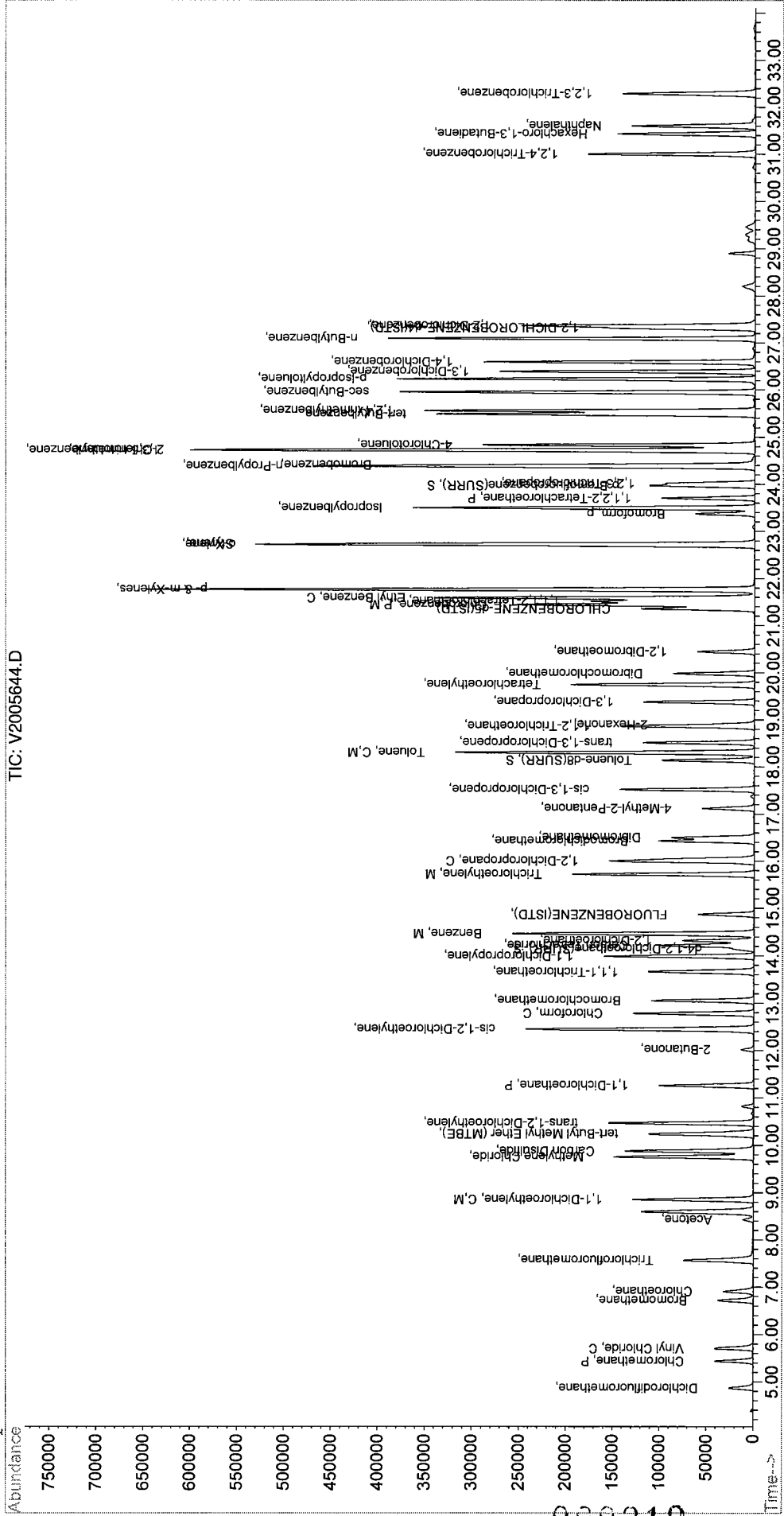
Quantitation Report

Data File : C:\HPCHEM\1\DATA\V2005644.D
 Acq On : 24 Aug 2005 3:13 pm
 Sample : 50ppb VOA CAL CHECK STD
 Misc : QBV2082405A
 MS Integration Params: rteint.p
 Quant Time: Aug 24 15:47 19105

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

Quant Results File: V2C173.RES

Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Thu Aug 18 08:08:33 2005
 Response via : Initial Calibration



BFB

Data File : C:\HPCHEM\1\DATA\V2005477.D

Acq On : 17 Aug 2005 6:22 pm

Sample : MBLK

Misc : QBV2081705A

MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

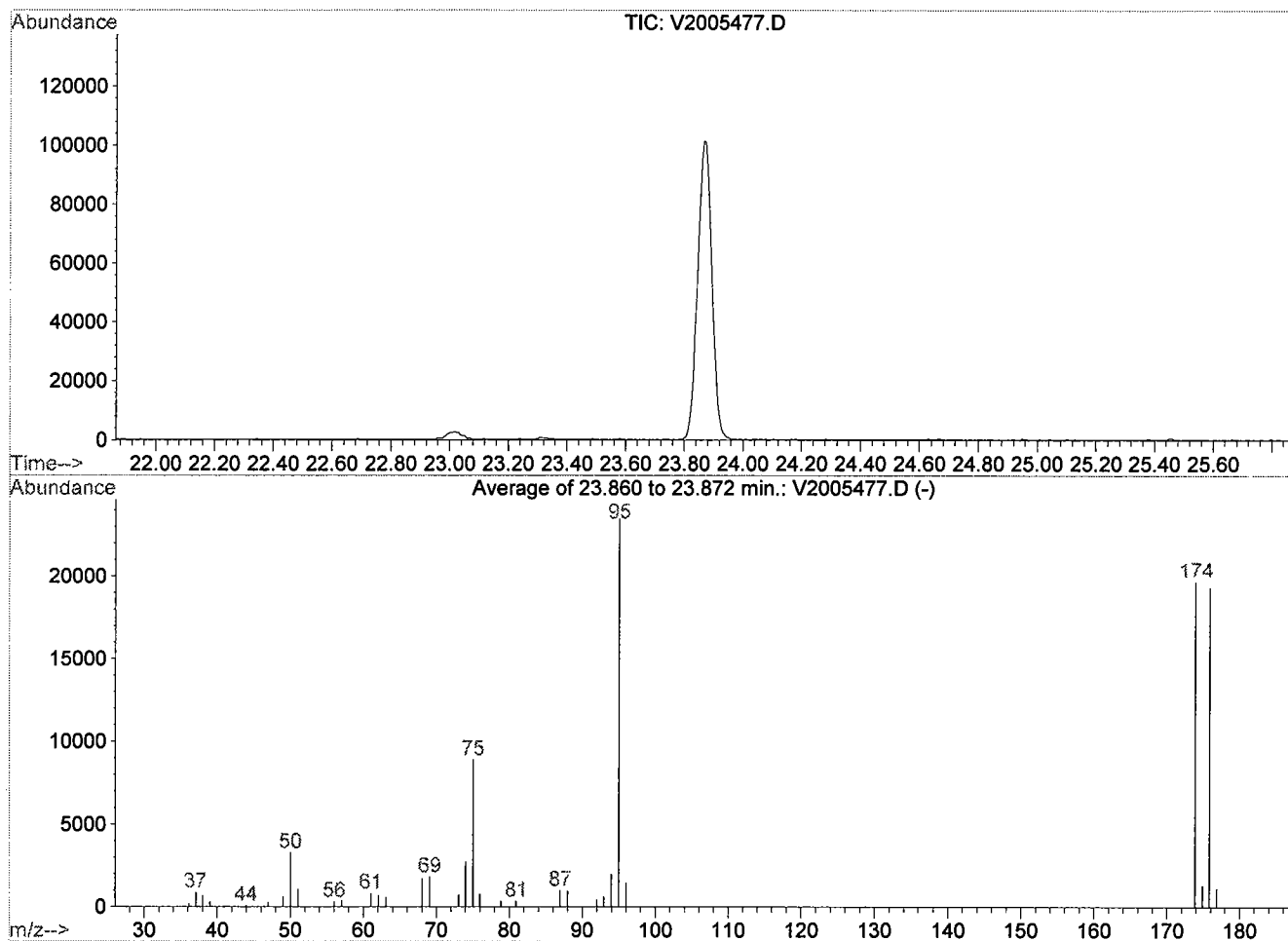
Title : VOCs BY GC/MS 8240/8260

Vial: 2

Operator: bb

Inst : VOA No. 2

Multiplr: 5.00



Spectrum Information: Average of 23.860 to 23.872 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	10	40	14.0	3274	PASS
75	95	30	66	37.9	8888	PASS
95	95	100	100	100.0	23469	PASS
96	95	4	9	6.1	1425	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	83.9	19696	PASS
175	174	5	9	6.8	1333	PASS
176	174	94	101	98.2	19333	PASS
177	176	4	9	6.0	1158	PASS

BFB

Data File : C:\HPCHEM\1\DATA\V2005643.D

Vial: 1

Acq On : 24 Aug 2005 2:32 pm

Operator: SS

Sample : VOA METHOD BLANK STD

Inst : VOA No. 2

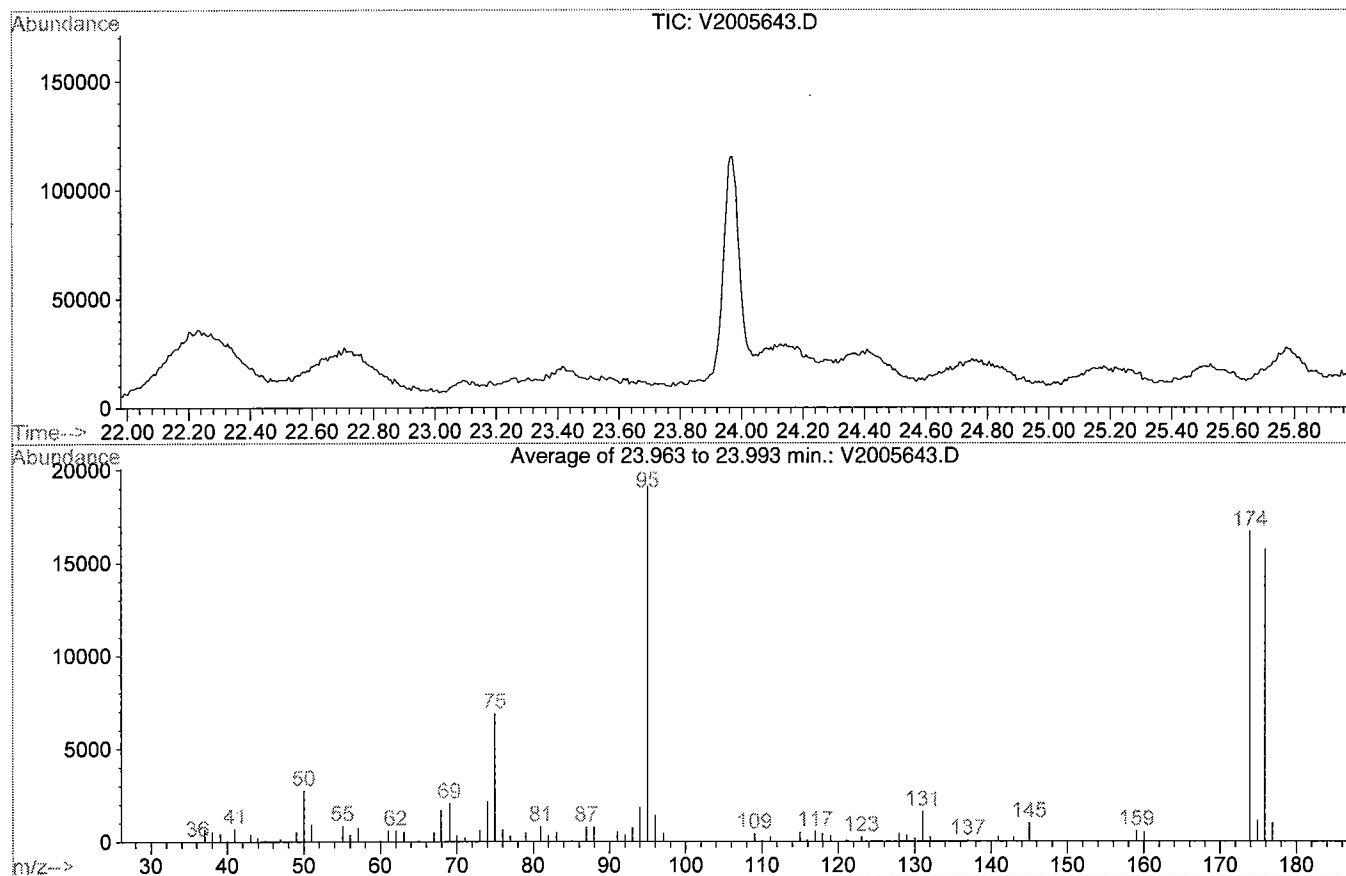
Misc : QBV2082405A

Multiplr: 1.00

MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260



Spectrum Information: Average of 23.963 to 23.993 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	10	40	14.4	2758	PASS
75	95	30	66	36.0	6890	PASS
95	95	100	100	100.0	19121	PASS
96	95	4	9	7.4	1413	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	87.2	16681	PASS
175	174	5	9	6.9	1145	PASS
176	174	94	101	94.4	15741	PASS
177	176	4	9	6.3	999	PASS

Data File : C:\HPCHEM\1\DATA\V2005477.D

Vial: 2

Acq On : 17 Aug 2005 6:22 pm

Operator: bb

Sample : MBLK (For BFB)

Inst : VOA No. 2

Misc : QBV2081705A

Multiplr: 5.00

MS Integration Params: rteint.p

Quant Time: Aug 17 18:56 19105

Quant Results File: V2C172.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C172.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Mon Aug 01 10:59:36 2005

Response via : Initial Calibration

DataAcq Meth : V2C172

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.75	70	25559	50.00	ppb	-0.15
25) CHLOROBENZENE-d5(ISTD)	21.24	117	168367	50.00	ppb	-0.14
47) 1,2-DICHLOROBENZENE-d4(IST	27.22	152	80153	50.00	ppb	-0.11

System Monitoring Compounds

21) d4-1,2-Dichloroethane(SURR	14.01	65	28248	49.18	ppb	-0.16
Spiked Amount	50.000	Range	37 - 128	Recovery	=	98.36%
32) Toluene-d8(SURR)	18.02	98	146790	45.12	ppb	-0.14
Spiked Amount	50.000	Range	40 - 61	Recovery	=	90.24%#
49) p-Bromofluorobenzene(SURR)	23.87	174	68754	49.71	ppb	-0.12
Spiked Amount	50.000	Range	39 - 68	Recovery	=	99.42%#

Target Compounds

						Qvalue
5) Bromomethane	6.67	94	149	0.62	ppb	# 54
11) Methylene Chloride	9.64	49	20480	39.23	ppb	100
13) Acetone	8.31	43	6247	76.76	ppb	# 95
33) Toluene	18.18	91	2626	1.38	ppb	100

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

V2005477.D V2C173.M Mon Oct 03 17:27:49 2005

000324

Page 1

Data4File : C:\HPCHEM\1\DATA\V2005477.D

Acq On : 17 Aug 2005 6:22 pm

Sample : MBLK

Misc : QBV2081705A

MS Integration Params: rteint.p

Quant Time: Aug 17 18:56 19105

Vial: 2

Operator: bb

Inst : VOA No. 2

Multiplr: 5.00

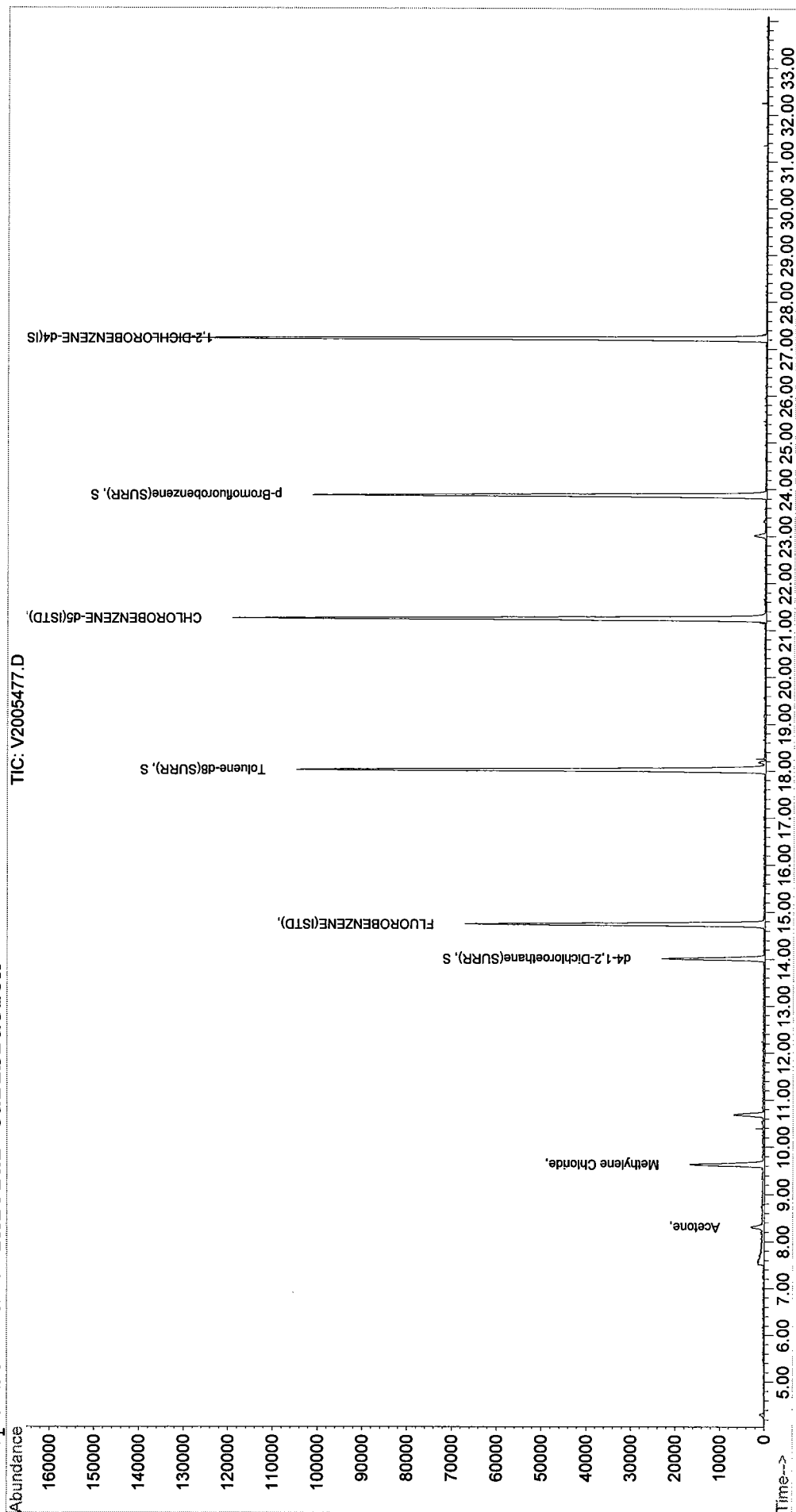
Quant Results File: V2C172.RES

Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Thu Aug 18 08:08:33 2005

Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\V2005608.D
 Acq On : 23 Aug 2005 2:09 pm
 Sample : VOA METHOD BLANK STD (For BFB)
 Misc : QBV2082305A
 MS Integration Params: rteint.p
 Quant Time: Aug 23 14:43 19105

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

Quant Results File: V2C173.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Thu Aug 18 08:08:33 2005
 Response via : Initial Calibration
 DataAcq Meth : V2C173

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.90	70	23252	50.00	ppb	0.01
25) CHLOROBENZENE-d5(ISTD)	21.38	117	166555	50.00	ppb	0.02
47) 1,2-DICHLOROBENZENE-d4(ISTD)	27.33	152	81773	50.00	ppb	0.02

System Monitoring Compounds

21) d4-1,2-Dichloroethane(SURR)	14.17	65	26585	50.24	ppb	0.02
Spiked Amount	50.000	Range	37 - 128	Recovery	=	100.48%
32) Toluene-d8(SURR)	18.16	98	144828	49.42	ppb	0.02
Spiked Amount	50.000	Range	40 - 61	Recovery	=	98.84%#
49) p-Bromofluorobenzene(SURR)	23.99	174	71931	51.35	ppb	0.02
Spiked Amount	50.000	Range	39 - 68	Recovery	=	102.70%#

Target Compounds

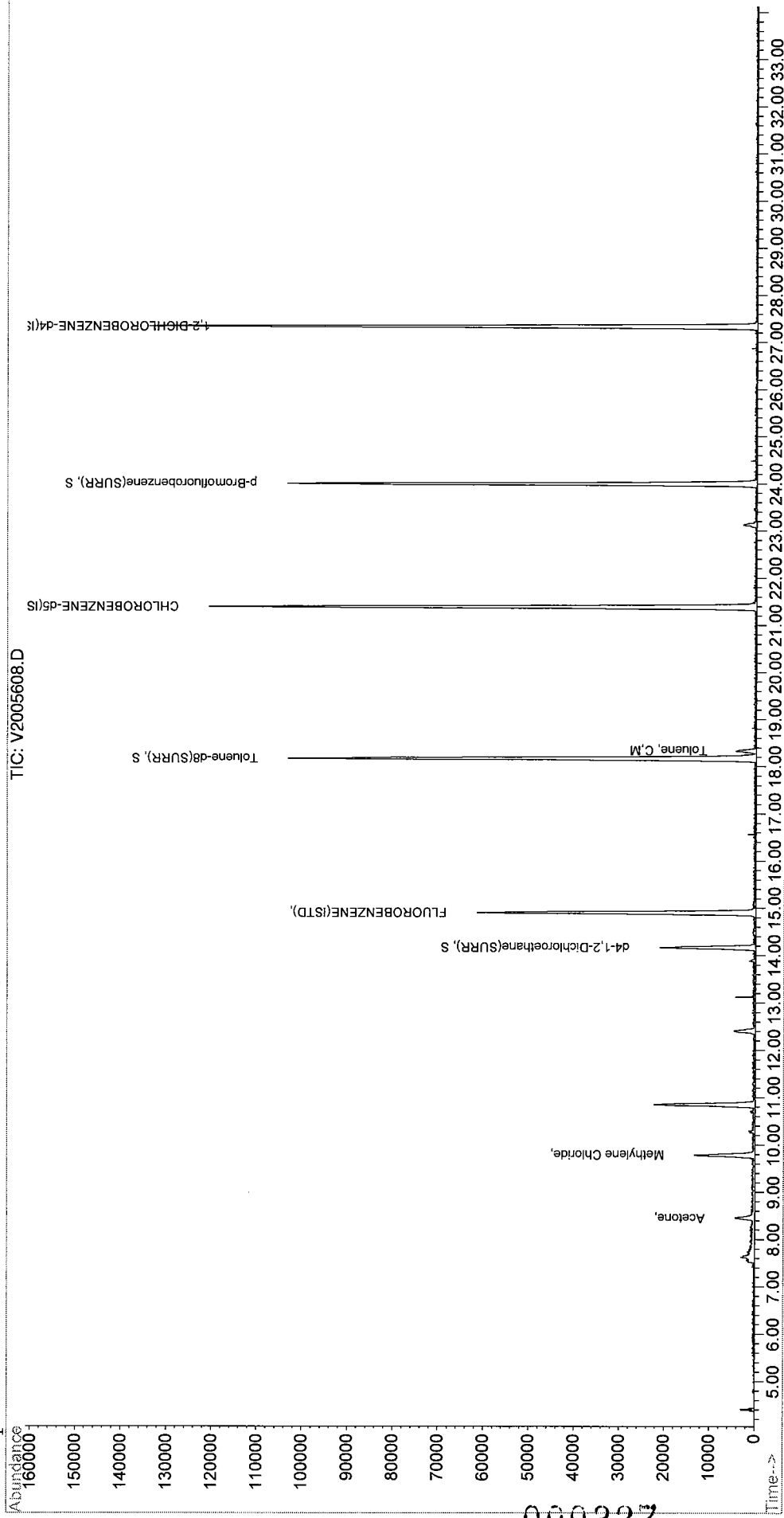
	R.T.	QIon	Response	Conc	Units	Qvalue
11) Methylene Chloride	9.79	49	14785	4.66	ppb	# 55
13) Acetone	8.44	43	9342	15.61	ppb	100
33) Toluene	18.34	91	8242	0.85	ppb	98

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\V2005608.D
 Acq On : 23 Aug 2005 2:09 pm
 Sample : VOA METHOD BLANK STD
 Misc : QBV2082305A
 MS Integration Params: rteint.p
 Quant Time: Aug 23 14:43 19105
 Quant Results File: V2C173.RES

Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Thu Aug 18 08:08:33 2005
 Response via : Initial Calibration



000327

Data File : C:\HPCHEM\1\DATA\V2005613.D

Vial: 6

Acq On : 23 Aug 2005 5:37 pm

Operator: SS

Sample : VOA METHOD BLANK STD

Inst : VOA No. 2

Misc : QBV2082305A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Aug 24 8:32 19105

Quant Results File: V2C173.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Thu Aug 18 08:08:33 2005

Response via : Initial Calibration

DataAcq Meth : V2C173

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.87	70	24044	50.00	ppb	-0.02
25) CHLOROBENZENE-d5(ISTD)	21.35	117	174964	50.00	ppb	-0.01
47) 1,2-DICHLOROBENZENE-d4(ISTD)	27.30	152	87123	50.00	ppb	-0.01

System Monitoring Compounds

21) d4-1,2-Dichloroethane(SURR)	14.13	65	27960	51.09	ppb	-0.02
Spiked Amount	50.000	Range	37 - 128	Recovery	=	102.18%
32) Toluene-d8(SURR)	18.13	98	147431	47.89	ppb	-0.01
Spiked Amount	50.000	Range	40 - 61	Recovery	=	95.78%#
49) p-Bromofluorobenzene(SURR)	23.96	174	73481	49.23	ppb	-0.02
Spiked Amount	50.000	Range	39 - 68	Recovery	=	98.46%#

Target Compounds

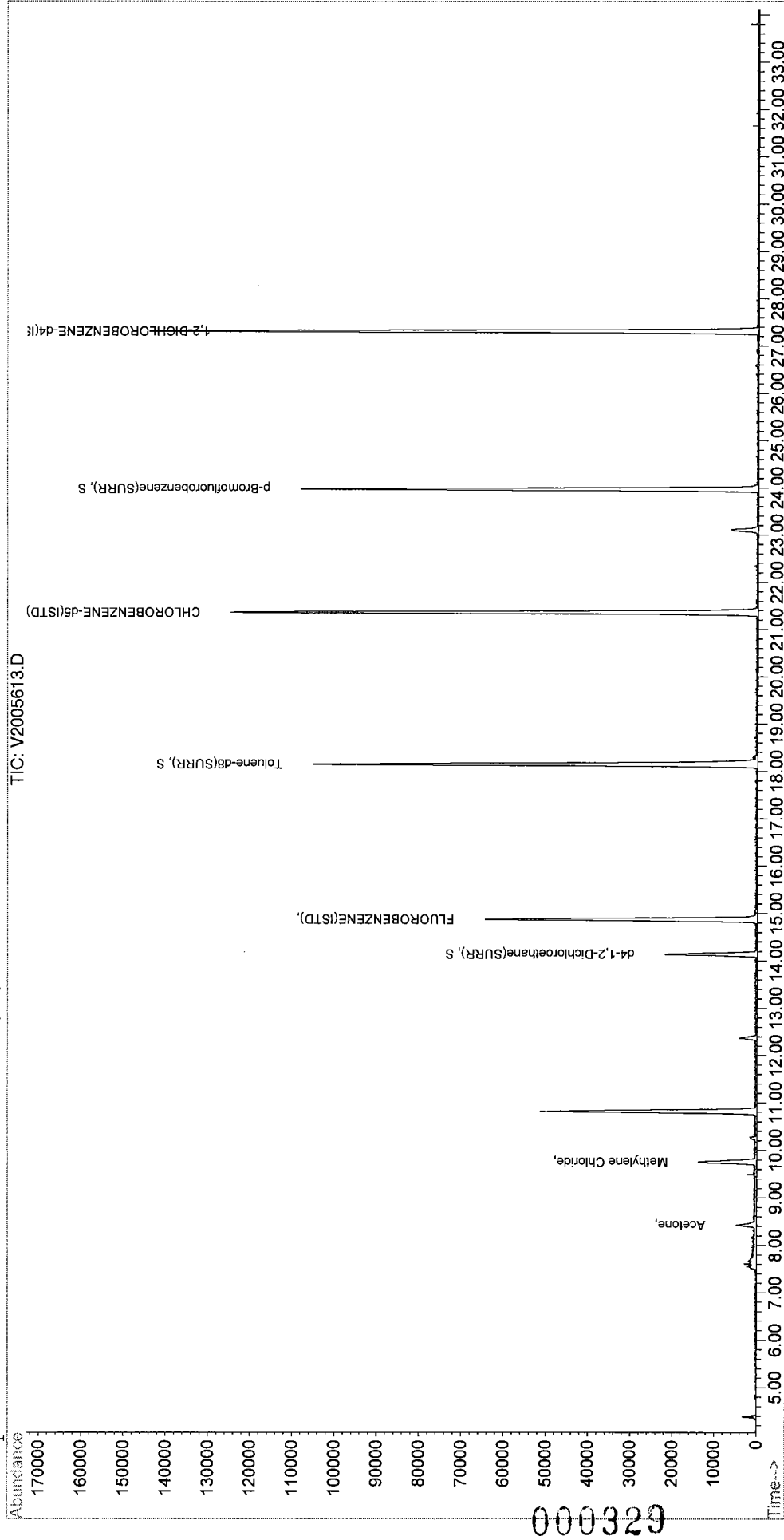
						Qvalue
11) Methylene Chloride	9.75	49	17082	5.21	ppb	# 100
13) Acetone	8.42	43	9918	16.03	ppb	98

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\V2005613.D Vial: 6
 Acq On : 23 Aug 2005 5:37 pm Operator: SS
 Sample : VOA METHOD BLANK STD Inst : VOA No. 2
 Misc : QBV2082305A Multiplr: 1.00
 MS Integration Params: rteint.p
 Quant Time: Aug 24 8:32 19105 Quant Results File: V2C173.RES

Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Thu Aug 18 08:08:33 2005
 Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\V2005613.D

Acq On : 23 Aug 2005 5:37 pm

Sample : VOA METHOD BLANK STD

Misc : QBV2082305A

MS Integration Params: RTEINT.P

Vial: 6

Operator: SS

Inst : VOA No. 2

Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 0.5 % of largest Peak

Start Thrs: 0.001

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Signal : TIC

peak S#	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	4.385	46	59	66	rBB3	3240	6911	1.43%	0.296%
2	7.547	593	601	603	rBV2	2302	6182	1.28%	0.265%
3	7.583	603	607	608	rVV	1610	2428	0.50%	0.104%
4	7.607	608	611	616	rVV	2477	3821	0.79%	0.164%
5	7.655	616	619	626	rVV	1370	3488	0.72%	0.150%
6	8.419	731	746	759	rVB	4473	14777	3.07%	0.634%
7	9.749	954	967	984	rBV4	13518	54208	11.25%	2.324%
8	10.807	1127	1143	1158	rBV	51395	192271	39.89%	8.244%
9	12.365	1392	1402	1413	rBV4	4082	12655	2.63%	0.543%
10	14.134	1682	1696	1713	rBV3	21708	77146	16.01%	3.308%
11	14.868	1802	1818	1837	rBV	64280	232354	48.21%	9.963%
12	18.140	2342	2362	2380	rBV2	104901	410683	85.20%	17.609%
13	21.352	2879	2896	2917	rBV2	124408	444246	92.17%	19.049%
14	23.108	3171	3188	3200	rVB3	6208	23664	4.91%	1.015%
15	23.968	3312	3331	3347	rBB	108083	365337	75.79%	15.665%
16	27.301	3872	3885	3900	rBV2	143729	482007	100.00%	20.668%

Sum of corrected areas: 2332178

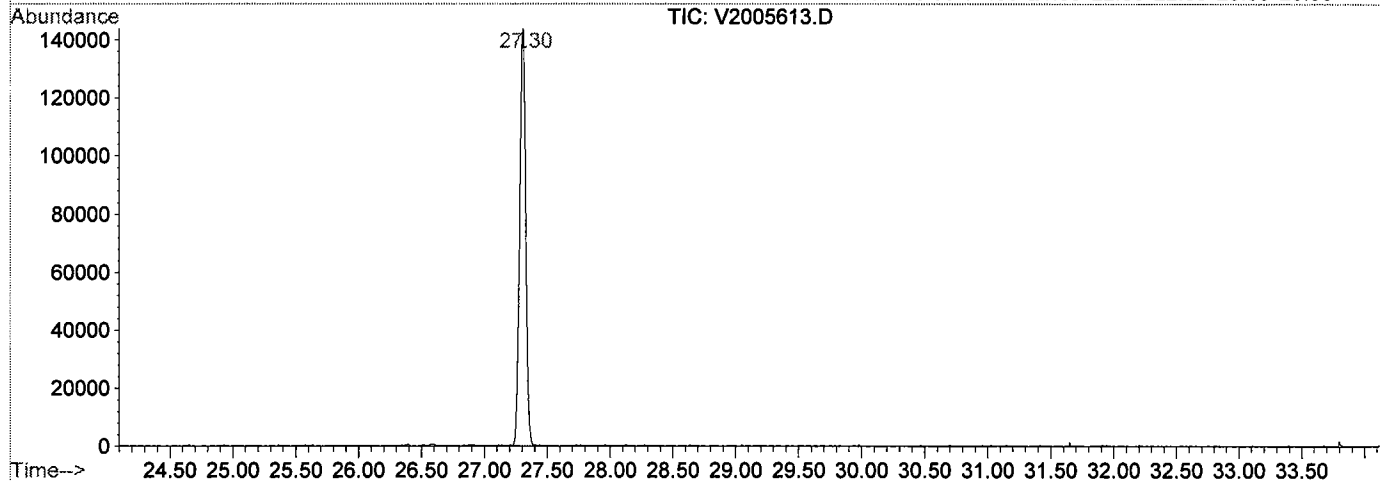
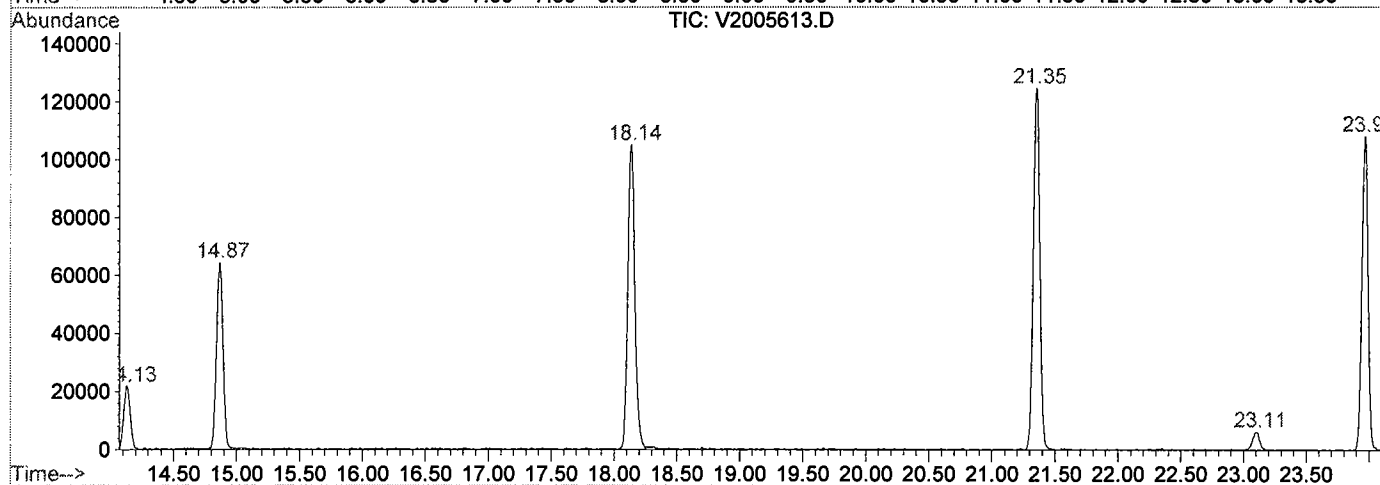
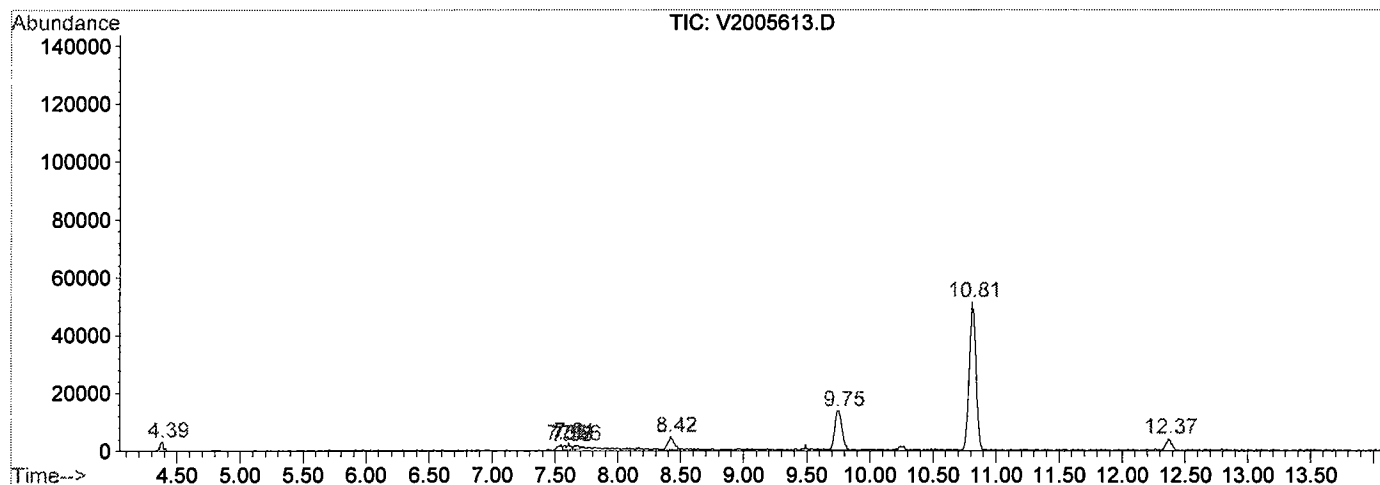
V2005613.D V2C173.M

Tue Oct 04 09:58:35 2005

000330

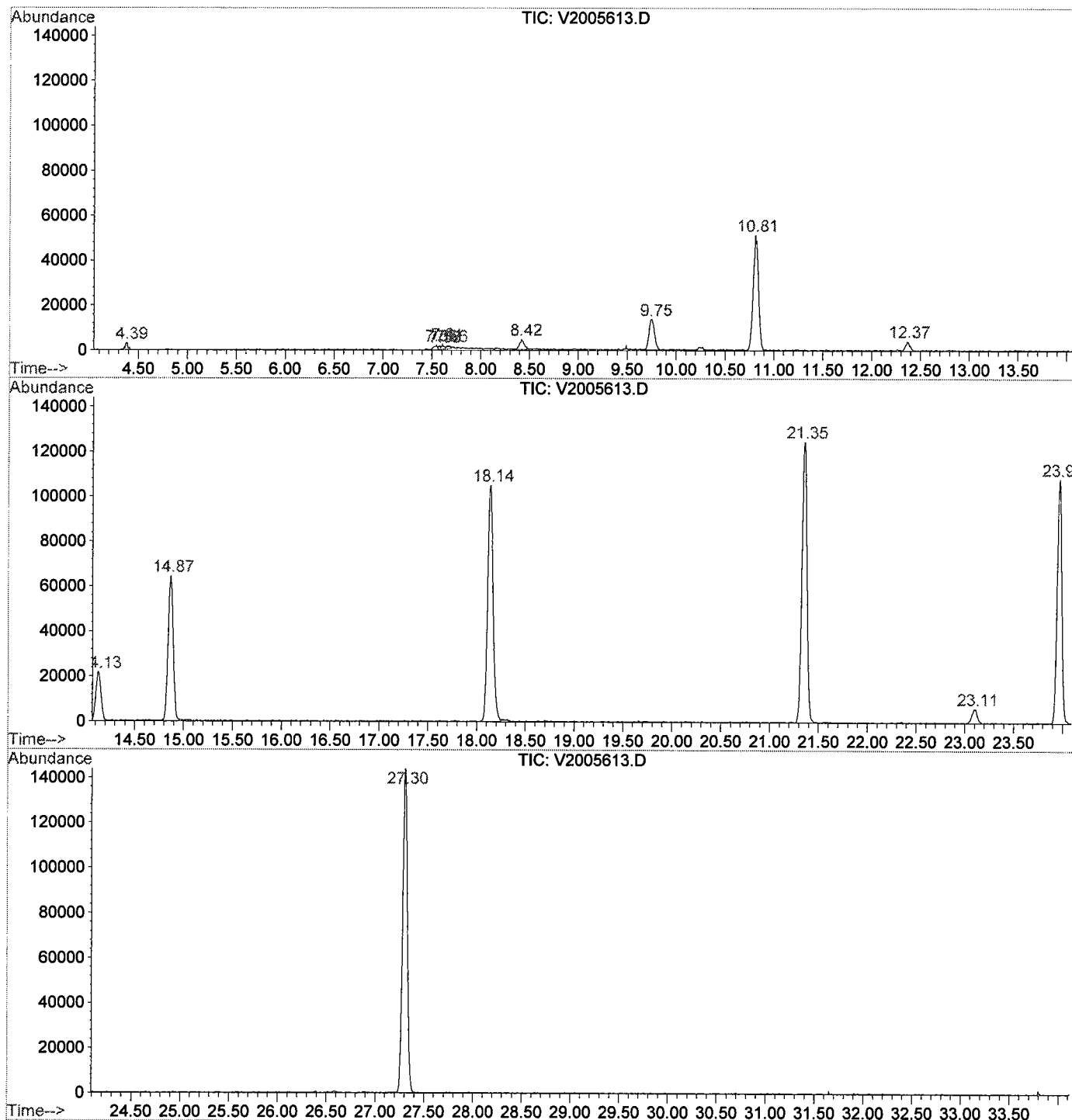
LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\V2005613.D
 Operator : SS
 Acquired : 23 Aug 2005 5:37 pm using AcqMethod V2C173
 Instrument : VOA No. 2
 Sample Name: VOA METHOD BLANK STD
 Misc Info : QBV2082305A
 Vial Number: 6
 Quant File :V2C173.RES (RTE Integrator)



LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\V2005613.D
 Operator : SS
 Acquired : 23 Aug 2005 5:37 pm using AcqMethod V2C173
 Instrument : VOA No. 2
 Sample Name: VOA METHOD BLANK STD
 Misc Info : QBV2082305A
 Vial Number: 6
 Quant File :V2C173.RES (RTE Integrator)



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\V2005613.D

Acq On : 23 Aug 2005 5:37 pm

Sample : VOA METHOD BLANK STD

Misc : QBV2082305A

MS Integration Params: RTEINT.P

Vial: 6

Operator: SS

Inst : VOA No. 2

Multiplr: 1.00

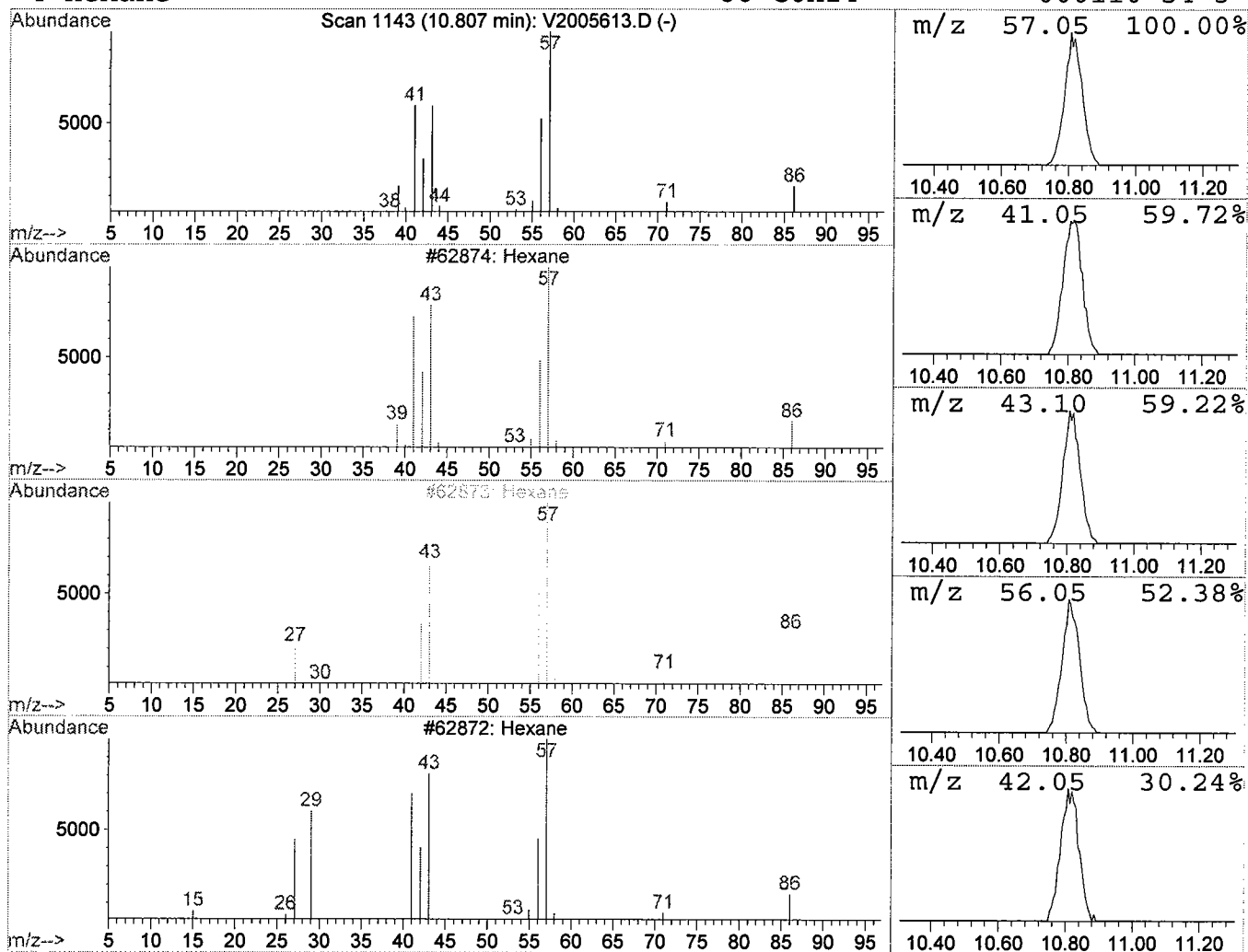
Quant Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Library : C:\DATABASE\NBS75K.L

Peak Number 1 Hexane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.81	41.37 ppb	192271	FLUOROBENZENE (ISTD)	14.87	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane	86	C6H14	000110-54-3	91
2	Hexane	86	C6H14	000110-54-3	83
3	Hexane	86	C6H14	000110-54-3	64
4	Hexane	86	C6H14	000110-54-3	64



Tentatively Identified Compound (LSC) summary

Operator ID: SS Date Acquired: 23 Aug 2005 5:37 pm
 Data File: C:\HPCHEM\1\DATA\V2005613.D
 Name: VOA METHOD BLANK STD
 Misc: QBV2082305A
 Method: C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
 Title: VOCs BY GC/MS 8240/8260
 Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc Units	Area	IntStd	ISRT	ISArea	ISConc
Hexane	10.81	41.4 ppb	192271	ISTD01	14.87	232354	50.0

V2005613.D V2C173.M Tue Oct 04 09:58:38 2005

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Data File : C:\HPCHEM\1\DATA\V2005628.D
Acq On : 24 Aug 2005 4:02 am
Sample : VOA METHOD BLANK STD
Misc : QBV2082305B
MS Integration Params: rteint.p
Quant Time: Aug 24 8:57 19105

Vial: 21
Operator: SS
Inst : VOA No. 2
Multiplr: 1.00

Quant Results File: V2C173.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
Title : VOCs BY GC/MS 8240/8260
Last Update : Thu Aug 18 08:08:33 2005
Response via : Initial Calibration
DataAcq Meth : V2C173

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.95	70	23128	50.00	ppb	0.07
25) CHLOROBENZENE-d5(ISTD)	21.43	117	161820	50.00	ppb	0.07
47) 1,2-DICHLOROBENZENE-d4(IST	27.37	152	79003	50.00	ppb	0.06

System Monitoring Compounds

21) d4-1,2-Dichloroethane(SURR	14.22	65	25798	49.01	ppb	0.07
Spiked Amount	50.000	Range	37 - 128	Recovery	=	98.02%
32) Toluene-d8(SURR)	18.22	98	138100	48.51	ppb	0.07
Spiked Amount	50.000	Range	40 - 61	Recovery	=	97.02%#
49) p-Bromofluorobenzene(SURR)	24.03	174	67339	49.76	ppb	0.06
Spiked Amount	50.000	Range	39 - 68	Recovery	=	99.52%#

Target Compounds

						Qvalue
11) Methylene Chloride	9.84	49	9299	2.95	ppb	# 99
13) Acetone	8.50	43	6385	10.73	ppb	99
67) Naphthalene	31.69	128	6293	1.25	ppb	# 98

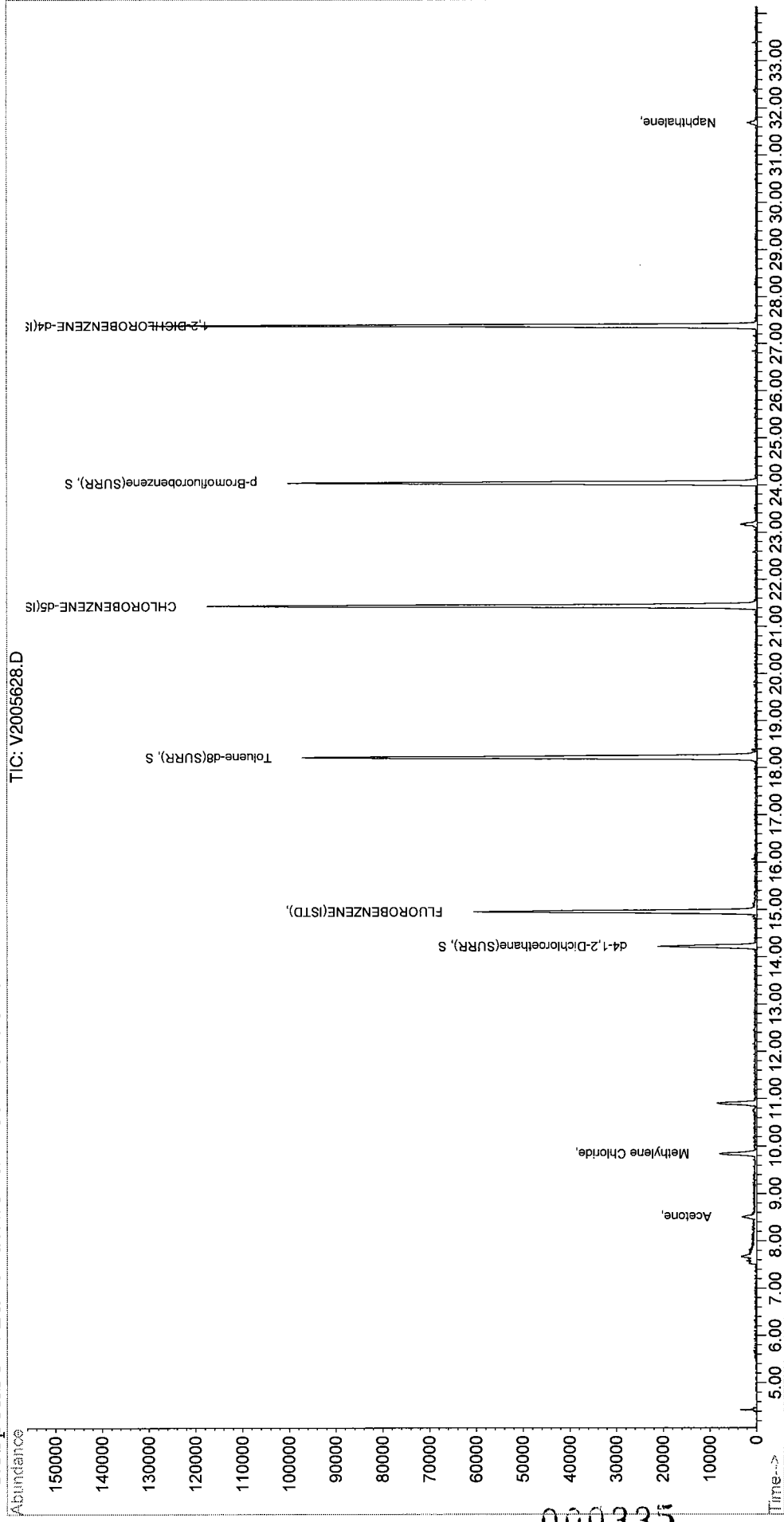
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\V2005628.D
 Acq On : 24 Aug 2005 4:02 am
 Sample : VOA METHOD BLANK STD
 Misc : QBV2082305B
 MS Integration Params: reint.p
 Quant Time: Aug 24 8:57 19105

Vial: 21
 Operator: SS
 Inst : VOA No. 2
 Multiplr: 1.00
 Quant Results File: V2C173.RES

Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Thu Aug 18 08:08:33 2005
 Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\V2005628.D
Acq On : 24 Aug 2005 4:02 am
Sample : VOA METHOD BLANK STD
Misc : QBV2082305B
MS Integration Params: RTEINT.P

Vial: 21
Operator: SS
Inst : VOA No. 2
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
Title : VOCs BY GC/MS 8240/8260
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.5 % of largest Peak
Start Thrs: 0.001 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak S#	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	4.429	65	66	75	rVB	3465	2972	0.68%	0.152%
2	7.523	592	597	598	rBV	1714	2432	0.55%	0.124%
3	7.673	614	622	630	rBV3	2089	6178	1.41%	0.316%
4	8.503	751	760	771	rBV2	2847	10400	2.37%	0.532%
5	9.838	969	982	996	rBV4	7573	28899	6.59%	1.478%
6	10.903	1146	1159	1170	rBV4	8316	31120	7.10%	1.592%
7	14.217	1698	1710	1724	rVB3	21023	71719	16.37%	3.669%
8	14.951	1819	1832	1849	rBV	60242	218756	49.92%	11.192%
9	18.218	2360	2375	2396	rVV2	97198	371702	84.82%	19.017%
10	21.430	2895	2909	2930	rBV	117481	417124	95.19%	21.340%
11	23.162	3185	3197	3209	rBV2	3391	12433	2.84%	0.636%
12	24.034	3327	3342	3360	rBB2	100247	334443	76.32%	17.110%
13	27.373	3881	3897	3913	rBV2	129849	438202	100.00%	22.419%
14	31.685	4603	4614	4625	rVB	2263	8241	1.88%	0.422%

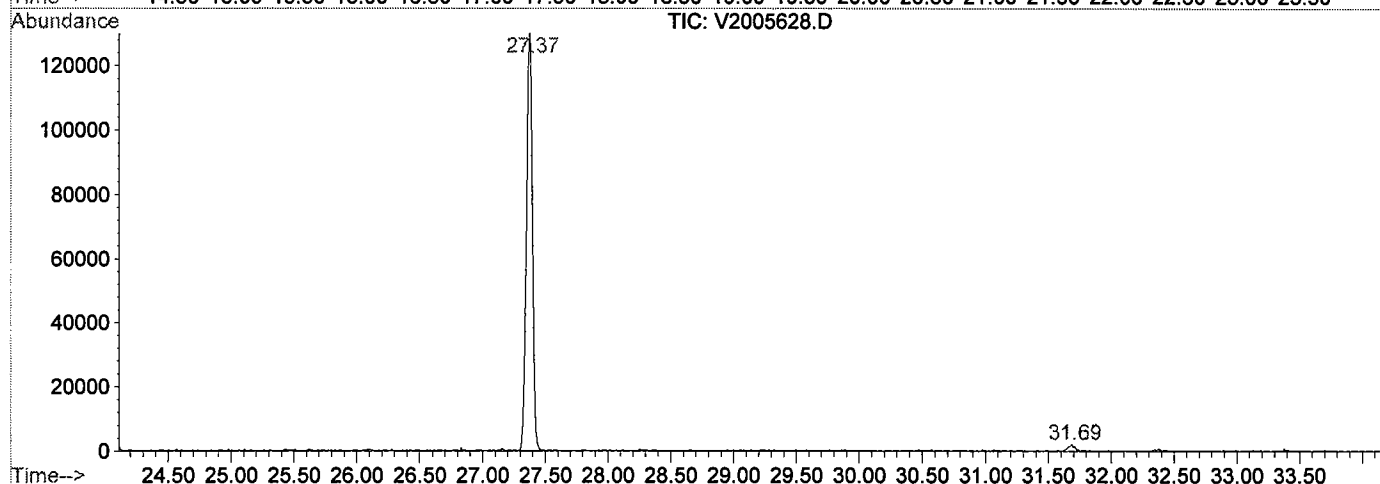
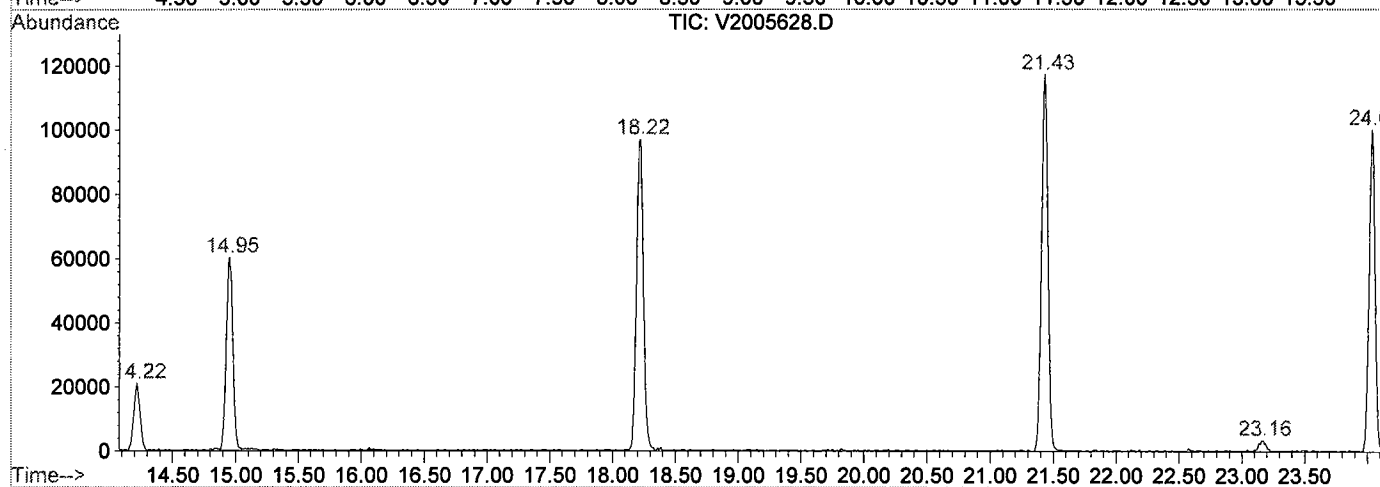
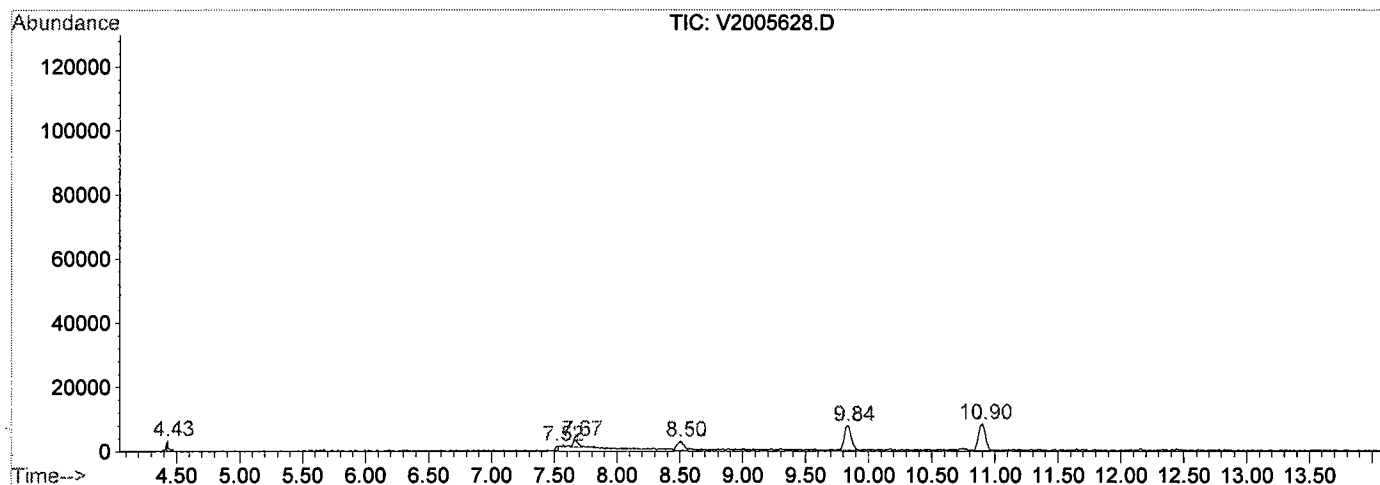
Sum of corrected areas: 1954621

V2005628.D V2C173.M Tue Oct 04 09:58:56 2005

000336

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\V2005628.D
 Operator : SS
 Acquired : 24 Aug 2005 4:02 am using AcqMethod V2C173
 Instrument : VOA No. 2
 Sample Name: VOA METHOD BLANK STD
 Misc Info : QBV2082305B
 Vial Number: 21
 Quant File :V2C173.RES (RTE Integrator)



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\V2005628.D
Acq On : 24 Aug 2005 4:02 am
Sample : VOA METHOD BLANK STD
Misc : QBV2082305B
MS Integration Params: RTEINT.P

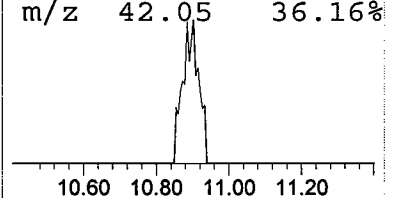
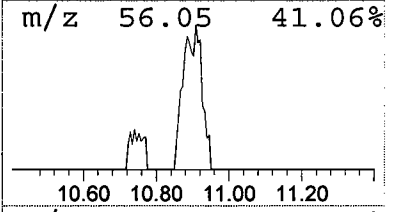
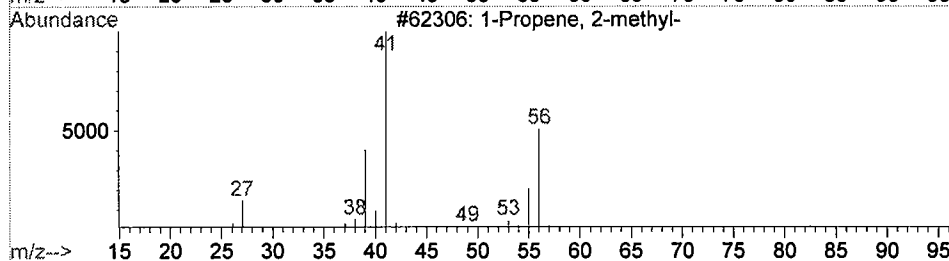
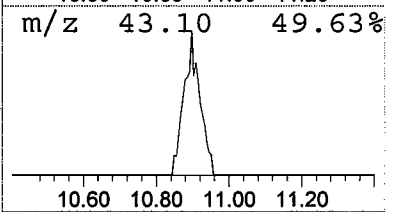
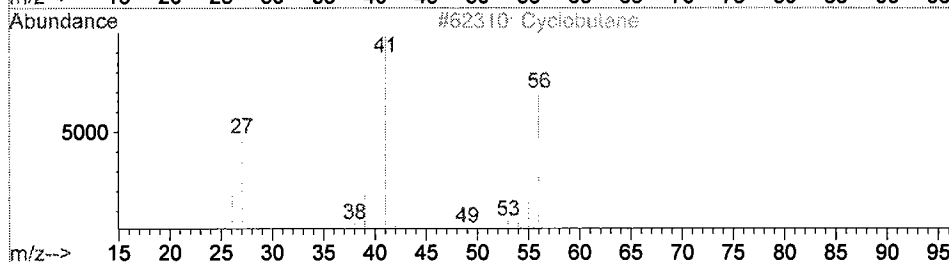
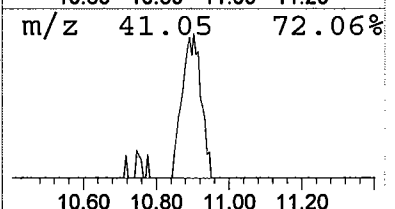
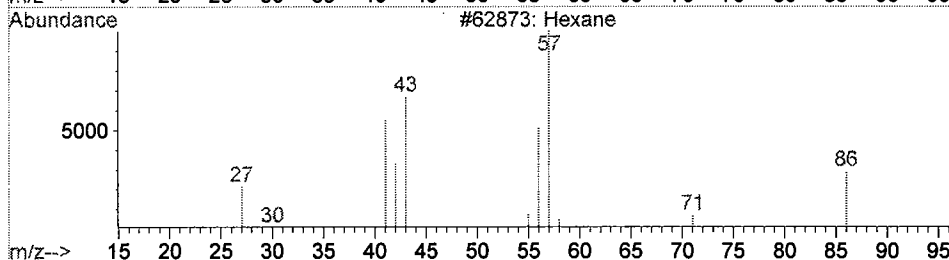
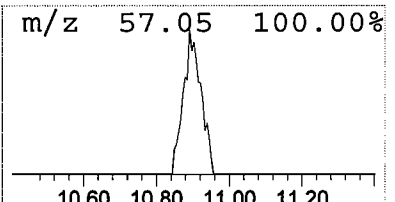
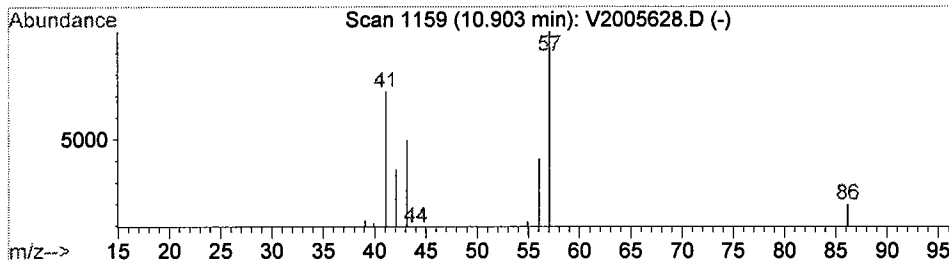
Vial: 21
Operator: SS
Inst : VOA No. 2
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
Title : VOCs BY GC/MS 8240/8260
Library : C:\DATABASE\NBS75K.L

Peak Number 1 Hexane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.90	7.11 ppb	31120	FLUOROBENZENE (ISTD)	14.95

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane			86	C6H14	000110-54-3	78
2	Cyclobutane			56	C4H8	000287-23-0	9
3	1-Propene, 2-methyl-			56	C4H8	000115-11-7	9
4	Hexane			86	C6H14	000110-54-3	9



Tentatively Identified Compound (LSC) summary

Operator ID: SS Date Acquired: 24 Aug 2005 4:02 am
 Data File: C:\HPCHEM\1\DATA\V2005628.D
 Name: VOA METHOD BLANK STD
 Misc: QBV2082305B
 Method: C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
 Title: VOCs BY GC/MS 8240/8260
 Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc Units	Area	IntStd	ISRT	ISArea	ISConc
Hexane	10.90	7.1 ppb	31120	ISTD01	14.95	218756	50.0

V2005628.D V2C173.M Tue Oct 04 09:58:59 2005

Operator
 Date
 Name
 Misc
 Method
 Title
 Library

Top
 Hit
 Name
 RT

Operator
 Date
 Name
 Misc
 Method
 Title
 Library

Top
 Hit
 Name
 RT

Operator
 Date
 Name
 Misc
 Method
 Title
 Library

000339

Data File : C:\HPCHEM\1\DATA\V2005643.D

Vial: 1

Acq On : 24 Aug 2005 2:32 pm

Operator: SS

Sample : VOA METHOD BLANK STD (For BFB)

Inst : VOA No. 2

Misc : QBV2082405A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Aug 24 15:06 19105

Quant Results File: V2C173.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Thu Aug 18 08:08:33 2005

Response via : Initial Calibration

DataAcq Meth : V2C173

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.87	70	22921	50.00	ppb	0.00
25) CHLOROBENZENE-d5(ISTD)	21.36	117	163813	50.00	ppb	0.00
47) 1,2-DICHLOROBENZENE-d4(IST	27.30	152	80515	50.00	ppb	-0.01

System Monitoring Compounds

21) d4-1,2-Dichloroethane(SURR	14.14	65	24716	47.38	ppb	-0.01
Spiked Amount	50.000	Range	37 - 128	Recovery	=	94.76%
32) Toluene-d8(SURR)	18.13	98	138104	47.92	ppb	-0.01
Spiked Amount	50.000	Range	40 - 61	Recovery	=	95.84%#
49) p-Bromofluorobenzene(SURR)	23.97	174	68426	49.61	ppb	0.00
Spiked Amount	50.000	Range	39 - 68	Recovery	=	99.22%#

Target Compounds

						Qvalue
11) Methylene Chloride	9.76	49	21395	6.85	ppb	# 55
13) Acetone	8.42	43	1904	3.23	ppb	# 87
51) 1,2,3-Trichloropropane	24.02	77	440	0.85	ppb	# 11

Data File : C:\HPCHEM\1\DATA\V2005648.D

Vial: 6

Acq On : 24 Aug 2005 5:58 pm

Operator: SS

Sample : VOA METHOD BLANK STD

Inst : VOA No. 2

Misc : QBV2082405A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Aug 25 9:53 19105

Quant Results File: V2C173.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Thu Aug 18 08:08:33 2005

Response via : Initial Calibration

DataAcq Meth : V2C173

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.84	70	23072	50.00	ppb	-0.05
25) CHLOROBENZENE-d5(ISTD)	21.33	117	169834	50.00	ppb	-0.04
47) 1,2-DICHLOROBENZENE-d4(IST	27.28	152	83843	50.00	ppb	-0.03

System Monitoring Compounds

21) d4-1,2-Dichloroethane(SURR	14.10	65	26390	50.26	ppb	-0.05
Spiked Amount	50.000	Range	37 - 128	Recovery	=	100.52%
32) Toluene-d8(SURR)	18.10	98	142617	47.73	ppb	-0.04
Spiked Amount	50.000	Range	40 - 61	Recovery	=	95.46%#
49) p-Bromofluorobenzene(SURR)	23.94	174	70748	49.26	ppb	-0.04
Spiked Amount	50.000	Range	39 - 68	Recovery	=	98.52%#

Target Compounds

11) Methylene Chloride	9.73	49	16204	5.15	ppb	#	100
13) Acetone	8.41	43	2474	4.17	ppb	#	95

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

LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\V2005648.D
Acq On : 24 Aug 2005 5:58 pm
Sample : VOA METHOD BLANK STD
Misc : QBV2082405A
MS Integration Params: RTEINT.P

Vial: 6
Operator: SS
Inst : VOA No. 2
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
Title : VOCs BY GC/MS 8240/8260
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.5 % of largest Peak
Start Thrs: 0.001 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	4.389	56	60	66	rVB	2732	2533	0.54%	0.121%
2	7.584	595	608	616	rBV4	4435	21201	4.54%	1.017%
3	8.408	734	745	749	rBV2	1295	4246	0.91%	0.204%
4	9.731	952	965	983	rVB3	13714	51708	11.07%	2.479%
5	10.628	1104	1114	1115	rBV2	2858	4194	0.90%	0.201%
6	10.646	1115	1117	1124	rVV3	2455	4576	0.98%	0.219%
7	10.784	1128	1140	1154	rVB5	5013	18918	4.05%	0.907%
8	14.104	1679	1692	1711	rBB2	21364	74454	15.94%	3.570%
9	14.844	1799	1815	1832	rVB2	61657	228159	48.84%	10.940%
10	18.104	2342	2357	2378	rBV	103170	393425	84.22%	18.865%
11	21.329	2879	2893	2917	rBV	121290	435419	93.21%	20.878%
12	23.067	3171	3182	3198	rBB2	5043	20738	4.44%	0.994%
13	23.386	3227	3235	3246	rBB3	2845	8297	1.78%	0.398%
14	23.939	3311	3327	3345	rBB	104290	350523	75.04%	16.807%
15	27.284	3868	3883	3902	rBB2	136692	467139	100.00%	22.399%

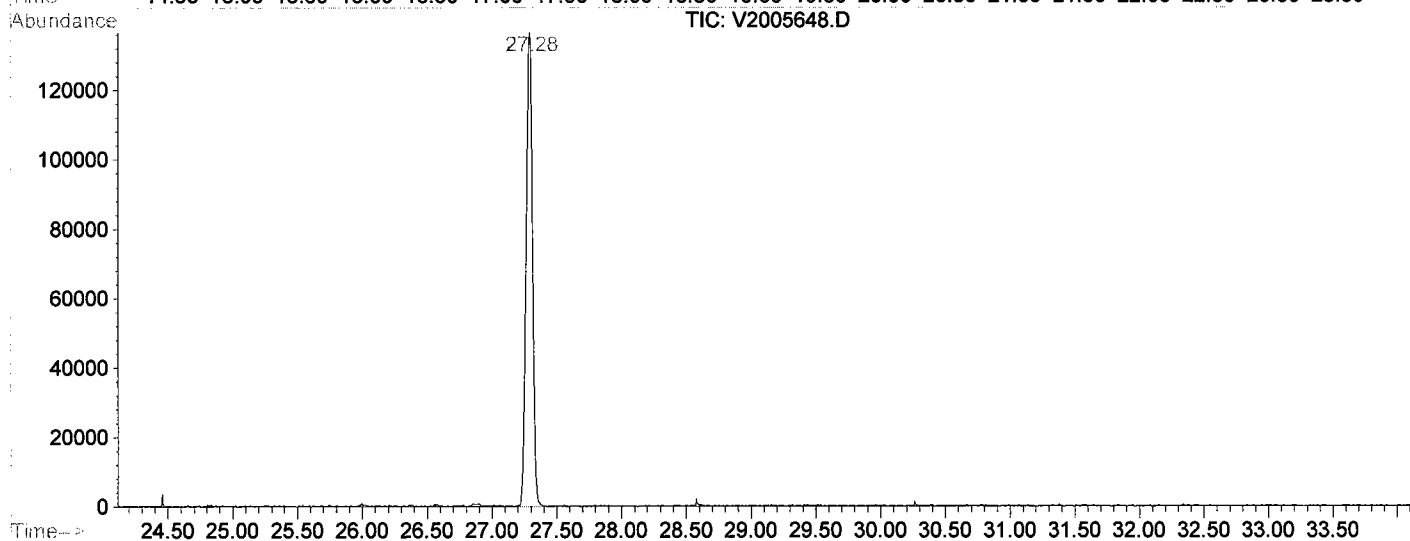
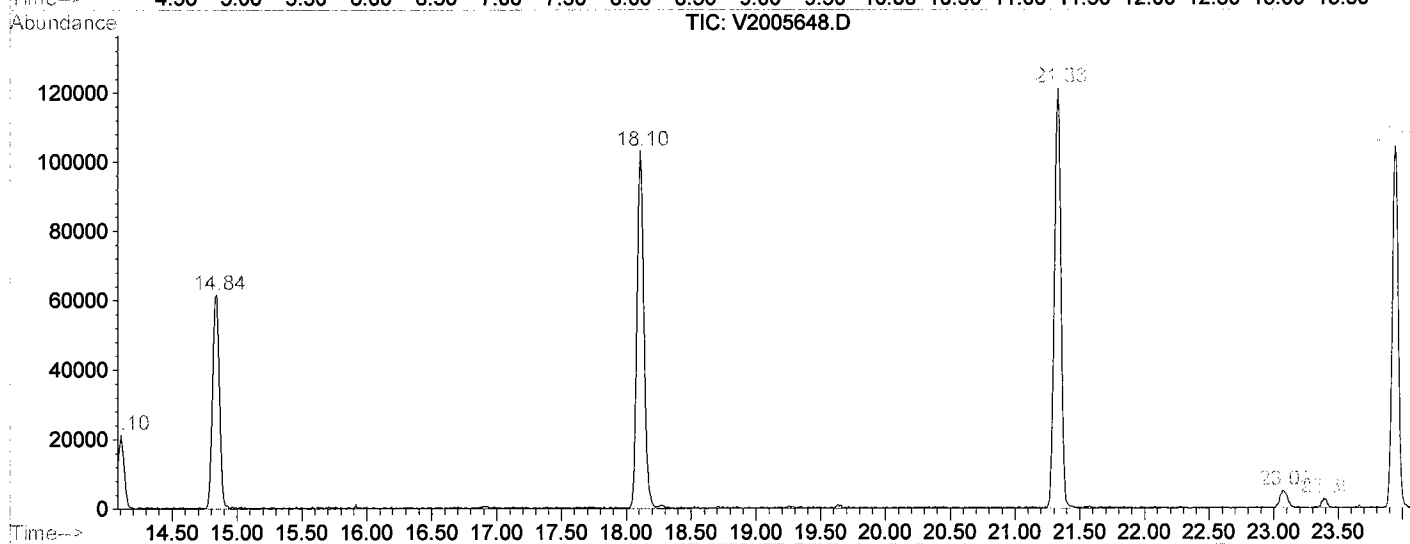
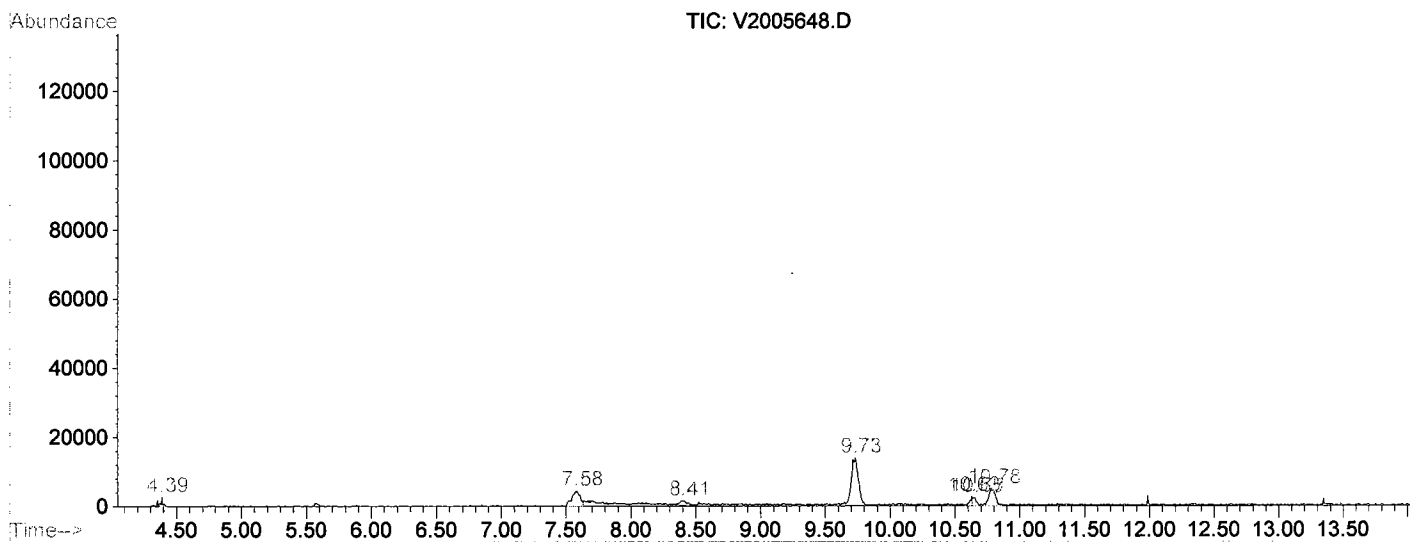
Sum of corrected areas: 2085530

V2005648.D V2C173.M Tue Oct 04 12:56:19 2005

000344

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\V2005648.D
 Operator : SS
 Acquired : 24 Aug 2005 5:58 pm using AcqMethod V2C173
 Instrument : VOA No. 2
 Sample Name: VOA METHOD BLANK STD
 Misc Info : QBV2082405A
 Vial Number: 6
 Quant File :V2C173.RES (RTE Integrator)



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\V2005648.D

Acq On : 24 Aug 2005 5:58 pm

Sample : VOA METHOD BLANK STD

Misc : QBV2082405A

MS Integration Params: RTEINT.P

Vial: 6

Operator: SS

Inst : VOA No. 2

Multiplr: 1.00

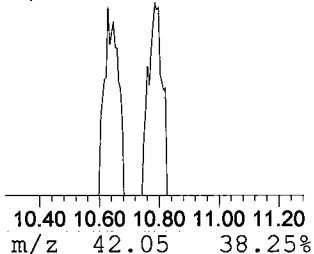
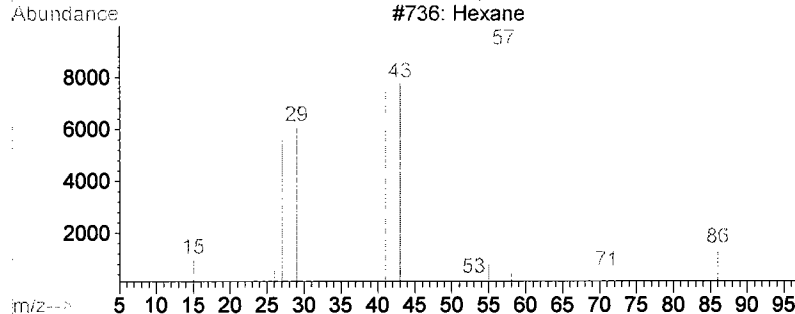
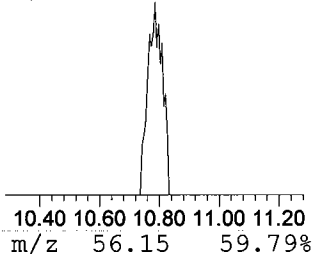
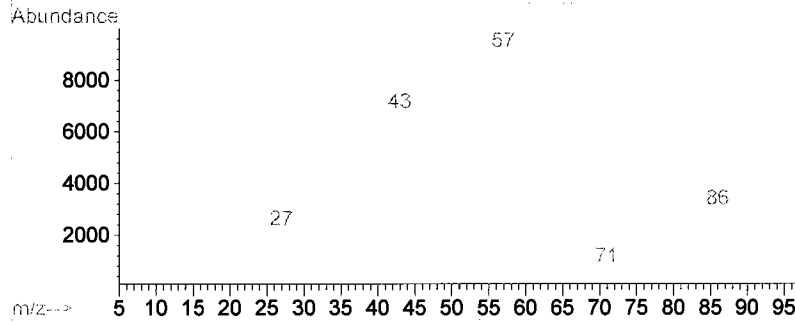
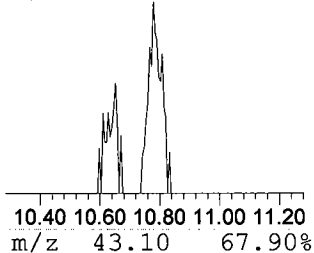
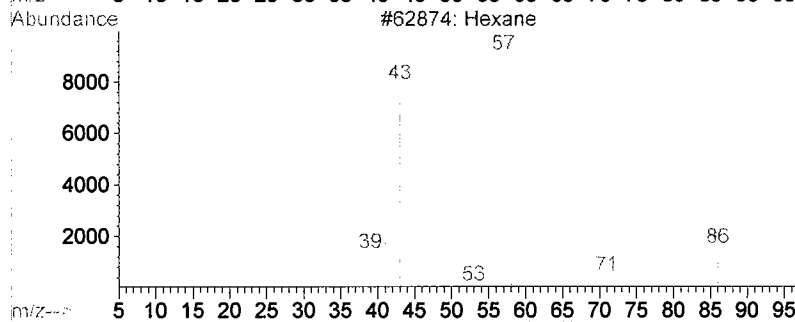
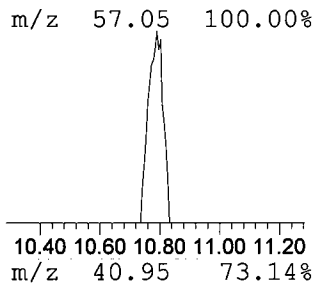
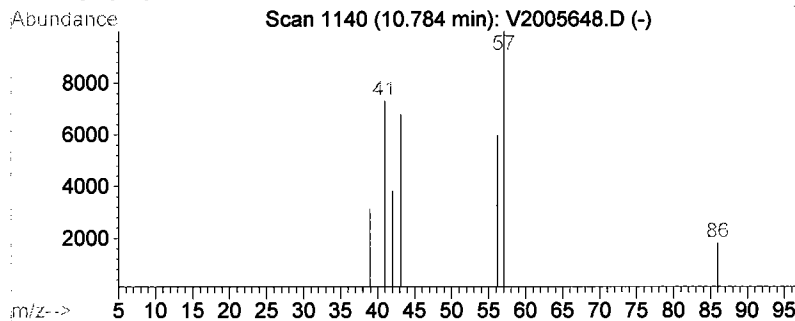
Quant Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Library : C:\DATABASE\NBS75K.L

Peak Number 3 Hexane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.		
10.78	4.15 ppb	18918	FLUOROBENZENE (ISTD)	14.84		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane		86	C6H14	000110-54-3	90
2	Hexane		86	C6H14	000110-54-3	83
3	Hexane		86	C6H14	000110-54-3	83
4	Hexane		86	C6H14	000110-54-3	72



Data File : C:\HPCHEM\1\DATA\V2005611.D

Vial: 4

Acq On : 23 Aug 2005 4:14 pm

Operator: SS

Sample : VOA MS STD

Inst : VOA No. 2

Misc : QBV2082305A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Aug 24 8:31 19105

Quant Results File: V2C173.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Thu Aug 18 08:08:33 2005

Response via : Initial Calibration

DataAcq Meth : V2C173

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.89	70	24230	50.00	ppb	0.00
25) CHLOROBENZENE-d5(ISTD)	21.37	117	168160	50.00	ppb	0.00
47) 1,2-DICHLOROBENZENE-d4(ISTD)	27.32	152	83050	50.00	ppb	0.00

System Monitoring Compounds

21) d4-1,2-Dichloroethane(SURR)	14.15	65	26251	47.60	ppb	0.00
Spiked Amount	50.000	Range	37 - 128	Recovery	=	95.20%
32) Toluene-d8(SURR)	18.16	98	144566	48.86	ppb	0.01
Spiked Amount	50.000	Range	40 - 61	Recovery	=	97.72%#
49) p-Bromofluorobenzene(SURR)	23.98	174	71591	50.32	ppb	0.00
Spiked Amount	50.000	Range	39 - 68	Recovery	=	100.64%#

Target Compounds

						Qvalue
8) 1,1-Dichloroethylene	8.87	61	177720	54.19	ppb	# 86
9) trans-1,2-Dichloroethylene	10.48	61	174195	53.19	ppb	100
11) Methylene Chloride	9.77	49	156824	47.48	ppb	# 55
13) Acetone	8.44	43	10444	16.75	ppb	99
14) 1,1-Dichloroethane	11.28	63	210941	55.14	ppb	100
18) Chloroform	12.81	83	201733	52.13	ppb	100
19) 1,1,1-Trichloroethane	13.68	97	150282	51.20	ppb	100
22) Carbon Tetrachloride	14.23	117	134342	51.73	ppb	100
23) 1,2-Dichloroethane	14.34	62	115579	52.13	ppb	100
24) Benzene	14.48	78	465262	51.17	ppb	100
26) Trichloroethylene	15.74	95	119477	49.65	ppb	# 56
27) Dibromomethane	16.44	93	3647	2.70	ppb	# 35
28) Bromodichloromethane	16.44	83	136972	50.76	ppb	# 100
29) 1,2-Dichloropropane	16.02	63	116291	51.29	ppb	# 100
30) cis-1,3-Dichloropropene	17.54	75	166002	48.01	ppb	100
33) Toluene	18.32	91	490613	50.00	ppb	100
34) trans-1,3-Dichloropropene	18.53	75	133123	49.10	ppb	99
35) 1,1,2-Trichloroethane	18.88	83	74983	47.82	ppb	98
37) Tetrachloroethylene	19.76	166	135562	51.28	ppb	# 64
39) Dibromochloromethane	20.00	129	105713	49.92	ppb	100
41) Chlorobenzene	21.46	112	325199	50.73	ppb	# 100

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

V2005611.D V2C173.M Wed Aug 24 08:31:15 2005

000347 Page 1

Data File : C:\HPCHEM\1\DATA\V2005611.D

Vial: 4

Acq On : 23 Aug 2005 4:14 pm

Operator: SS

Sample : VOA MS STD

Inst : VOA No. 2

Misc : QBV2082305A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Aug 24 8:31 19105

Quant Results File: V2C173.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Thu Aug 18 08:08:33 2005

Response via : Initial Calibration

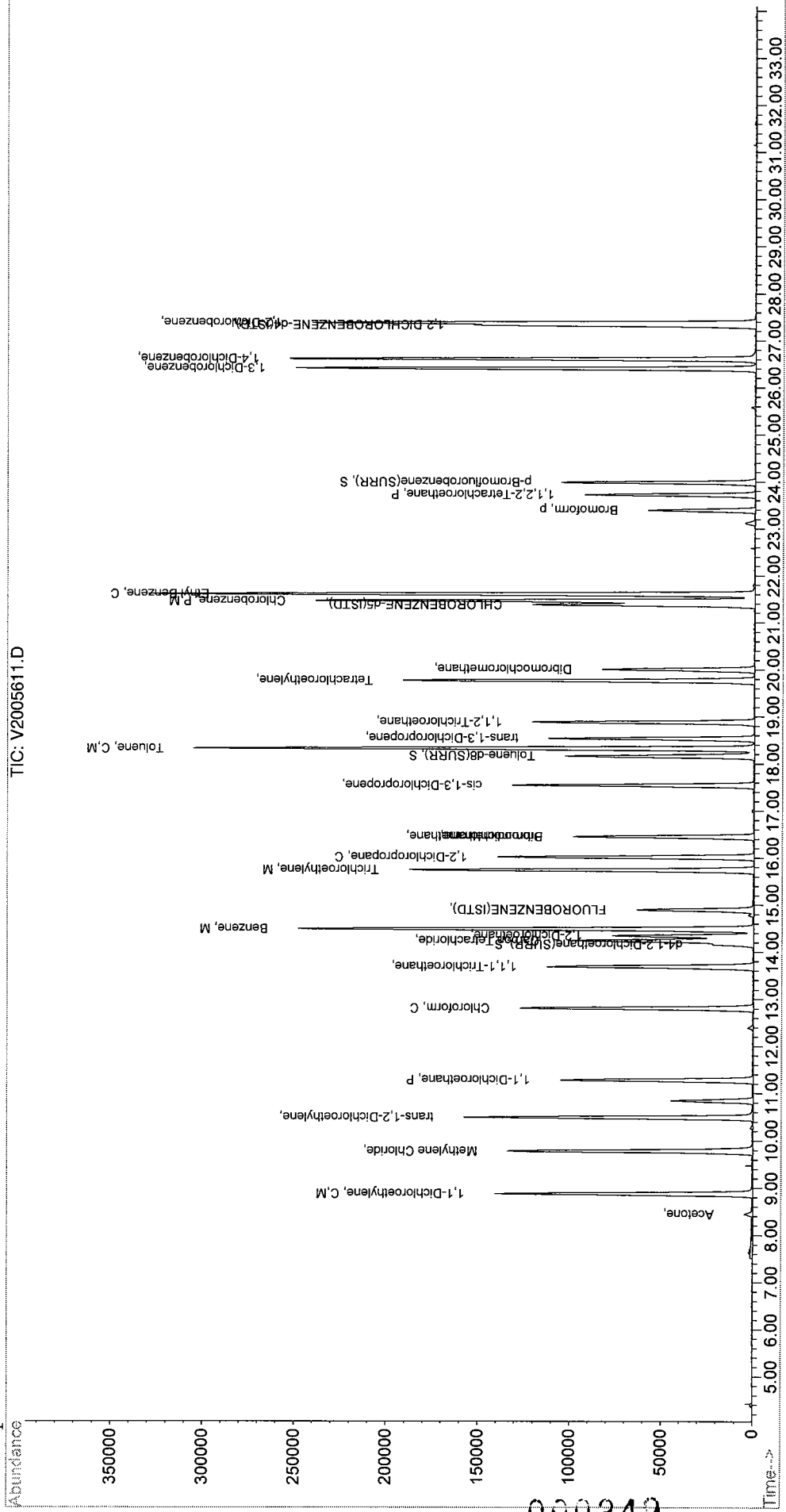
DataAcq Meth : V2C173

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
42) Ethyl Benzene	21.60	91	545039	50.73	ppb	100
48) Bromoform	23.38	173	61988	47.38	ppb #	100
50) 1,1,2,2-Tetrachloroethane	23.72	83	110822	47.79	ppb #	68
61) 1,3-Dichlorobenzene	26.40	146	245995	48.36	ppb #	89
62) 1,4-Dichlorobenzene	26.60	146	244677	46.60	ppb #	68
63) 1,2-Dichlorobenzene	27.37	146	223765	50.25	ppb #	100

Quantitation Report

Data File : C:\HPCHEM\1\DATA\V2005611.D Vial: 4
 Acq On : 23 Aug 2005 4:14 pm Operator: SS
 Sample : VOA MS STD Inst : VOA No. 2
 Misc : QBV2082305A Multiplr: 1.00
 MS Integration Params: rteint.p
 Quant Time: Aug 24 8:31 19105 Quant Results File: V2C173.RES

Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Thu Aug 18 08:08:33 2005
 Response via : Initial Calibration



000349

Data File : C:\HPCHEM\1\DATA\V2005612.D

Vial: 5

Acq On : 23 Aug 2005 4:55 pm

Operator: SS

Sample : VOA MSD STD

Inst : VOA No. 2

Misc : QBV2082305A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Aug 24 8:31 19105

Quant Results File: V2C173.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Thu Aug 18 08:08:33 2005

Response via : Initial Calibration

DataAcq Meth : V2C173

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.87	70	24212	50.00	ppb	-0.02
25) CHLOROBENZENE-d5(ISTD)	21.35	117	172116	50.00	ppb	-0.02
47) 1,2-DICHLOROBENZENE-d4(ISTD)	27.29	152	85681	50.00	ppb	-0.02

System Monitoring Compounds

21) d4-1,2-Dichloroethane(SURR)	14.13	65	26399	47.91	ppb	-0.02
Spiked Amount	50.000	Range	37 - 128	Recovery	=	95.82%
32) Toluene-d8(SURR)	18.13	98	146449	48.36	ppb	-0.01
Spiked Amount	50.000	Range	40 - 61	Recovery	=	96.72%#
49) p-Bromofluorobenzene(SURR)	23.96	174	72485	49.38	ppb	-0.02
Spiked Amount	50.000	Range	39 - 68	Recovery	=	98.76%#

Target Compounds

						Qvalue
8) 1,1-Dichloroethylene	8.86	61	176268	53.79	ppb	100
9) trans-1,2-Dichloroethylene	10.47	61	175160	53.52	ppb	100
11) Methylene Chloride	9.76	49	160886	48.75	ppb	# 55
13) Acetone	8.43	43	9489	15.23	ppb	99
14) 1,1-Dichloroethane	11.26	63	211806	55.41	ppb	100
17) Bromochloromethane	12.79	49	6096	3.57	ppb	# 62
18) Chloroform	12.78	83	203513	52.63	ppb	100
19) 1,1,1-Trichloroethane	13.66	97	149919	51.12	ppb	100
22) Carbon Tetrachloride	14.21	117	135598	52.25	ppb	99
23) 1,2-Dichloroethane	14.32	62	115561	52.16	ppb	100
24) Benzene	14.46	78	475113	52.29	ppb	100
26) Trichloroethylene	15.72	95	120095	48.76	ppb	# 56
27) Dibromomethane	16.43	93	3655	2.65	ppb	# 35
28) Bromodichloromethane	16.43	83	138531	50.15	ppb	# 97
29) 1,2-Dichloropropane	15.99	63	116527	50.21	ppb	# 100
30) cis-1,3-Dichloropropene	17.51	75	166610	47.08	ppb	100
33) Toluene	18.29	91	491184	48.91	ppb	100
34) trans-1,3-Dichloropropene	18.51	75	133291	48.03	ppb	100
35) 1,1,2-Trichloroethane	18.86	83	75065	46.77	ppb	98
37) Tetrachloroethylene	19.73	166	136698	50.52	ppb	# 100
39) Dibromochloromethane	19.97	129	108252	49.94	ppb	100

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

Data File : C:\HPCHEM\1\DATA\V2005612.D

Vial: 5

Acq On : 23 Aug 2005 4:55 pm

Operator: SS

Sample : VOA MSD STD

Inst : VOA No. 2

Misc : QBV2082305A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Aug 24 8:31 19105

Quant Results File: V2C173.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Thu Aug 18 08:08:33 2005

Response via : Initial Calibration

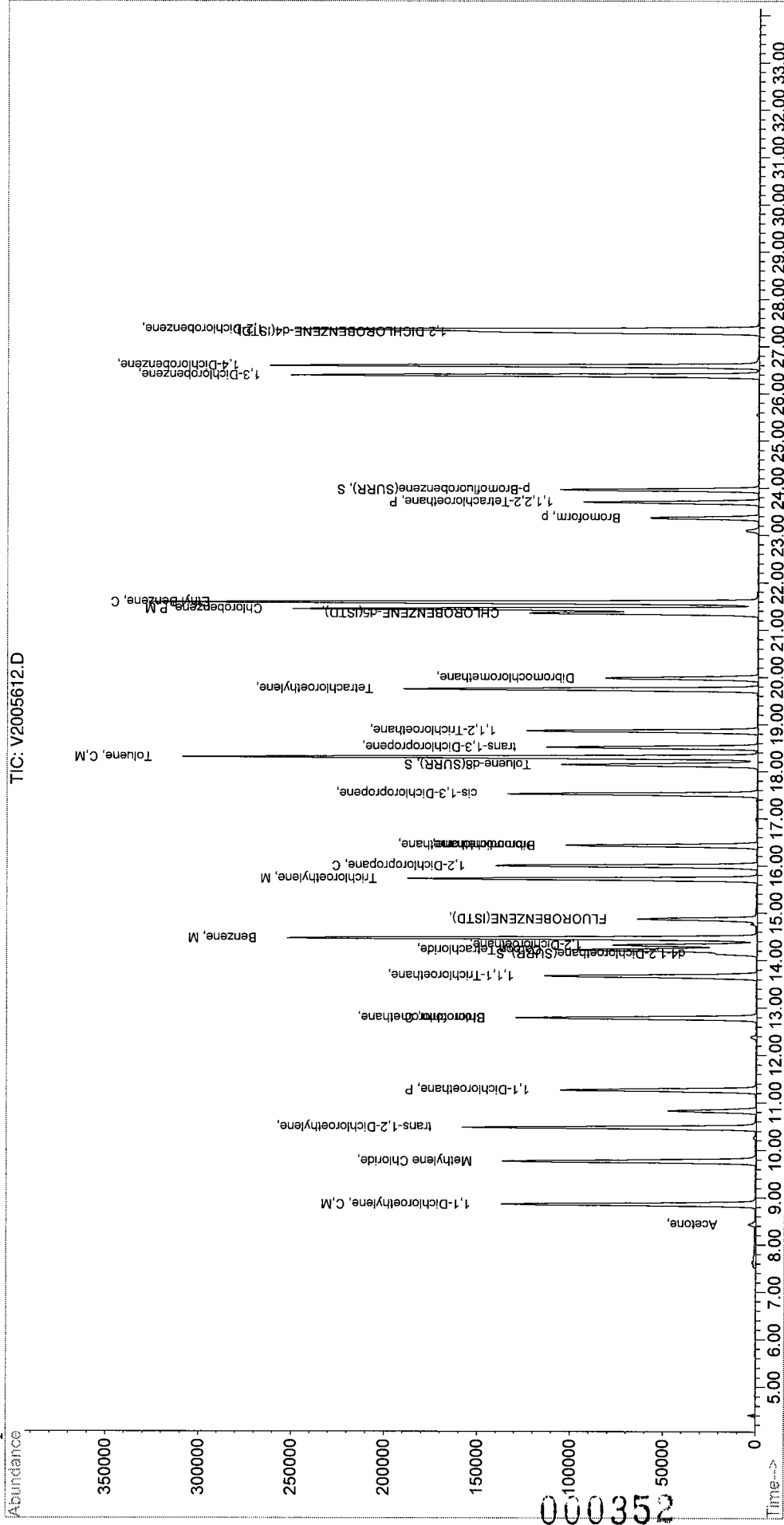
DataAcq Meth : V2C173

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
41) Chlorobenzene	21.43	112	330642	50.40	ppb #	100
42) Ethyl Benzene	21.57	91	542932	49.37	ppb	100
48) Bromoform	23.35	173	63571	47.10	ppb #	100
50) 1,1,2,2-Tetrachloroethane	23.69	83	111873	46.76	ppb #	100
61) 1,3-Dichlorobenzene	26.37	146	252688	48.15	ppb	100
62) 1,4-Dichlorobenzene	26.58	146	253804	46.86	ppb #	100
63) 1,2-Dichlorobenzene	27.35	146	231173	50.32	ppb #	100

Quantitation Report

Data File : C:\HPCHEM\1\DATA\V2005612.D Vial: 5
 Acq On : 23 Aug 2005 4:55 pm Operator: SS
 Sample : VOA MSD STD Inst : VOA No. 2
 Misc : QBV2082305A Multiplr: 1.00
 MS Integration Params: rteint.p
 Quant Time: Aug 24 8:31 19105
 Quant Results File: V2C173.RES

Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Thu Aug 18 08:08:33 2005
 Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\V2005633.D

Vial: 26

Acq On : 24 Aug 2005 7:33 am

Operator: SS

Sample : 05080545-03 \$8260W/VOATICW MS ASPB

Inst : VOA No. 2

Misc : QBV2082305B

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Aug 24 8:58 19105

Quant Results File: V2C173.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Thu Aug 18 08:08:33 2005

Response via : Initial Calibration

DataAcq Meth : V2C173

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.95	70	22825	50.00	ppb	0.06
25) CHLOROBENZENE-d5(ISTD)	21.43	117	166562	50.00	ppb	0.07
47) 1,2-DICHLOROBENZENE-d4(IST	27.37	152	80488	50.00	ppb	0.05

System Monitoring Compounds

21) d4-1,2-Dichloroethane(SURR	14.21	65	25600	49.28	ppb	0.06
Spiked Amount	50.000	Range	37 - 128	Recovery	=	98.56%
32) Toluene-d8(SURR)	18.21	98	141274	48.21	ppb	0.06
Spiked Amount	50.000	Range	40 - 61	Recovery	=	96.42%#
49) p-Bromofluorobenzene(SURR)	24.03	174	68841	49.93	ppb	0.05
Spiked Amount	50.000	Range	39 - 68	Recovery	=	99.86%#

Target Compounds

						Qvalue
4) Vinyl Chloride	5.78	62	13685	6.49	ppb	# 93
6) Chloroethane	6.97	64	3521	2.73	ppb	# 97
8) 1,1-Dichloroethylene	8.92	61	169555	54.89	ppb	99
9) trans-1,2-Dichloroethylene	10.54	61	165088	53.51	ppb	# 69
11) Methylene Chloride	9.83	49	145092	46.63	ppb	# 100
13) Acetone	8.50	43	2308	3.93	ppb	# 87
14) 1,1-Dichloroethane	11.33	63	282795	78.47	ppb	100
15) cis-1,2-Dichloroethylene	12.53	96	32232	13.52	ppb	# 94
17) Bromochloromethane	12.86	49	11866	7.38	ppb	# 62
18) Chloroform	12.85	83	188049	51.59	ppb	100
19) 1,1,1-Trichloroethane	13.74	97	213396	77.19	ppb	# 70
22) Carbon Tetrachloride	14.30	117	128429	52.50	ppb	# 58
23) 1,2-Dichloroethane	14.39	62	111211	53.25	ppb	100
24) Benzene	14.54	78	445393	52.00	ppb	100
26) Trichloroethylene	15.79	95	137836	57.82	ppb	100
27) Dibromomethane	16.50	93	3339	2.50	ppb	# 35
28) Bromodichloromethane	16.50	83	131233	49.10	ppb	# 97
29) 1,2-Dichloropropane	16.06	63	109087	48.57	ppb	# 83
30) cis-1,3-Dichloropropene	17.59	75	149333	43.61	ppb	# 92
33) Toluene	18.37	91	452070	46.52	ppb	100
34) trans-1,3-Dichloropropene	18.59	75	118818	44.24	ppb	100

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

Data File : C:\HPCHEM\1\DATA\V2005633.D Vial: 26
Acq On : 24 Aug 2005 7:33 am Operator: SS
Sample : 05080545-03 \$8260W/VOATICW MS ASPB Inst : VOA No. 2
Misc : QBV2082305B Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 24 8:58 19105 Quant Results File: V2C173.RES

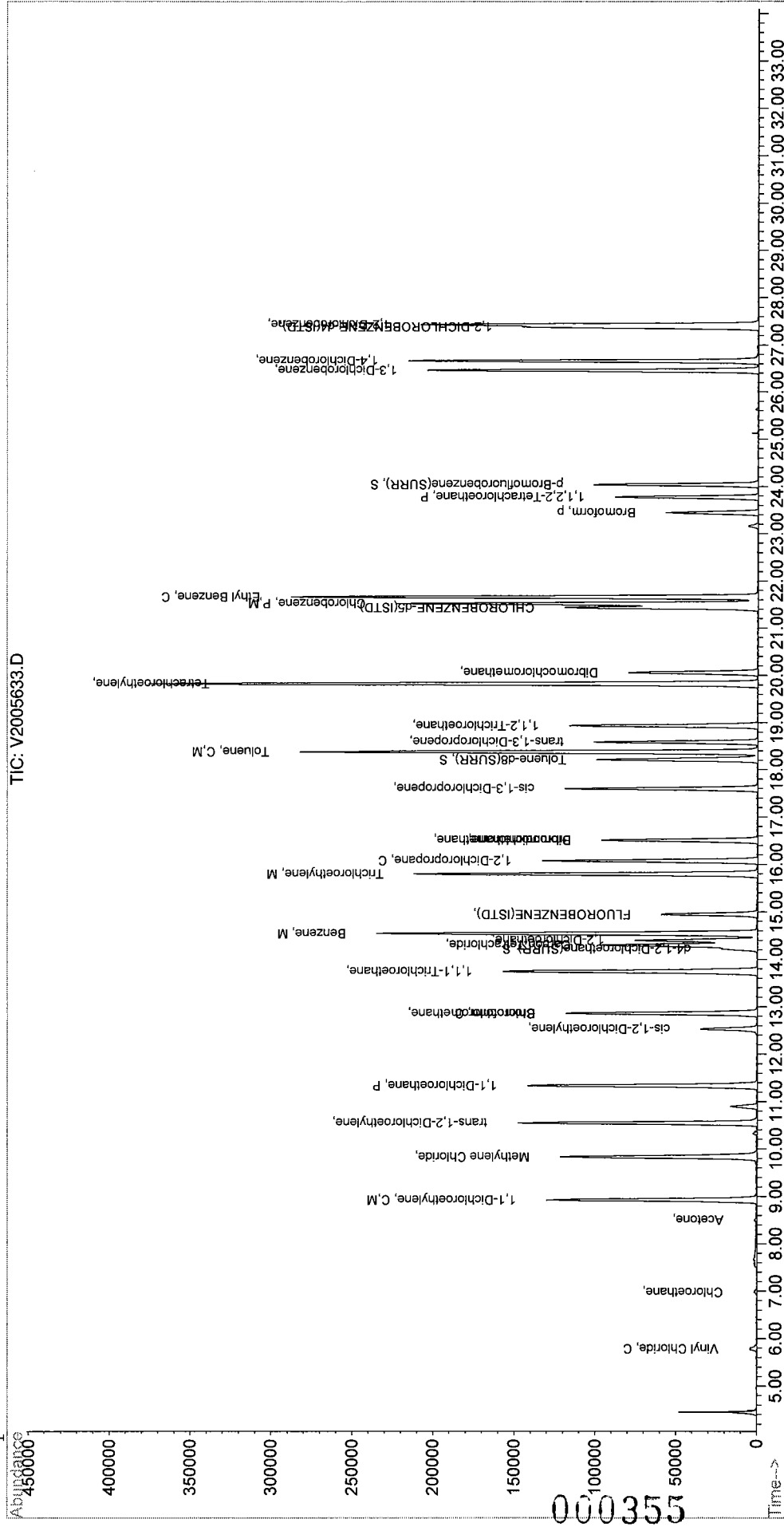
Quant Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
Title : VOCs BY GC/MS 8240/8260
Last Update : Thu Aug 18 08:08:33 2005
Response via : Initial Calibration
DataAcq Meth : V2C173

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
35) 1,1,2-Trichloroethane	18.93	83	71841	46.25	ppb #	55
37) Tetrachloroethylene	19.82	166	269181	102.79	ppb #	100
39) Dibromochloromethane	20.06	129	102804	49.01	ppb	99
41) Chlorobenzene	21.51	112	295088	46.48	ppb #	100
42) Ethyl Benzene	21.65	91	485462	45.62	ppb	100
48) Bromoform	23.44	173	60104	47.40	ppb #	100
50) 1,1,2,2-Tetrachloroethane	23.77	83	104924	46.68	ppb #	68
61) 1,3-Dichlorobenzene	26.45	146	203946	41.37	ppb #	74
62) 1,4-Dichlorobenzene	26.65	146	207021	40.68	ppb #	68
63) 1,2-Dichlorobenzene	27.42	146	196133	45.45	ppb #	100

Quantitation Report

Data File : C:\HPCHEM\1\DATA\V2005633.D Vial: 26
 Acq On : 24 Aug 2005 7:33 am Operator: SS
 Sample : 05080545-03 \$8260W/VOATICW MS ASPB Inst : VOA No. 2
 Misc : QBV2082305B Multiplr: 1.00
 MS Integration Params: rteint.p
 Quant Time: Aug 24 8:58 19105 Quant Results File: V2C173.RES

Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Thu Aug 18 08:08:33 2005
 Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\V2005634.D

Vial: 27

Acq On : 24 Aug 2005 8:15 am

Operator: SS

Sample : 05080545-03 \$8260W/VOATICW MSD ASPB

Inst : VOA No. 2

Misc : QBV2082305B

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Aug 24 8:59 19105

Quant Results File: V2C173.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Thu Aug 18 08:08:33 2005

Response via : Initial Calibration

DataAcq Meth : V2C173

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.95	70	22086	50.00	ppb	0.07
25) CHLOROBENZENE-d5(ISTD)	21.44	117	159803	50.00	ppb	0.07
47) 1,2-DICHLOROBENZENE-d4(ISTD)	27.37	152	78933	50.00	ppb	0.06

System Monitoring Compounds

21) d4-1,2-Dichloroethane(SURR)	14.22	65	25316	50.36	ppb	0.07
Spiked Amount	50.000	Range	37 - 128	Recovery	=	100.72%
32) Toluene-d8(SURR)	18.21	98	135774	48.29	ppb	0.07
Spiked Amount	50.000	Range	40 - 61	Recovery	=	96.58%#
49) p-Bromofluorobenzene(SURR)	24.04	174	66784	49.39	ppb	0.06
Spiked Amount	50.000	Range	39 - 68	Recovery	=	98.78%#

Target Compounds

						Qvalue
4) Vinyl Chloride	5.78	62	10025	4.92	ppb	# 92
6) Chloroethane	6.99	64	2007	1.61	ppb	98
8) 1,1-Dichloroethylene	8.93	61	165650	55.42	ppb	# 74
9) trans-1,2-Dichloroethylene	10.55	61	160434	53.74	ppb	# 68
11) Methylene Chloride	9.84	49	139970	46.49	ppb	# 55
13) Acetone	8.50	43	3210	5.65	ppb	# 85
14) 1,1-Dichloroethane	11.34	63	263123	75.46	ppb	100
15) cis-1,2-Dichloroethylene	12.53	96	28061	12.17	ppb	# 33
17) Bromochloromethane	12.86	49	12259	7.88	ppb	# 62
18) Chloroform	12.86	83	185519	52.60	ppb	100
19) 1,1,1-Trichloroethane	13.75	97	194628	72.75	ppb	100
22) Carbon Tetrachloride	14.30	117	127287	53.77	ppb	100
23) 1,2-Dichloroethane	14.40	62	108937	53.91	ppb	100
24) Benzene	14.55	78	436385	52.65	ppb	100
26) Trichloroethylene	15.80	95	135517	59.26	ppb	100
27) Dibromomethane	16.51	93	3180	2.48	ppb	# 35
28) Bromodichloromethane	16.51	83	128123	49.96	ppb	# 100
29) 1,2-Dichloropropane	16.08	63	106715	49.53	ppb	# 100
30) cis-1,3-Dichloropropene	17.60	75	148391	45.16	ppb	100
33) Toluene	18.38	91	450637	48.33	ppb	100
34) trans-1,3-Dichloropropene	18.59	75	117428	45.57	ppb	100

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

V2005634.D V2C173.M

Wed Aug 24 08:59:22 2005

000356

Page 1

Data File : C:\HPCHEM\1\DATA\V2005634.D

Vial: 27

Acq On : 24 Aug 2005 8:15 am

Operator: SS

Sample : 05080545-03 \$8260W/VOATICW MSD ASPB

Inst : VOA No. 2

Misc : QBV2082305B

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Aug 24 8:59 19105

Quant Results File: V2C173.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Thu Aug 18 08:08:33 2005

Response via : Initial Calibration

DataAcq Meth : V2C173

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
35) 1,1,2-Trichloroethane	18.93	83	70642	47.40	ppb	99
37) Tetrachloroethylene	19.82	166	261117	103.93	ppb #	64
39) Dibromochloromethane	20.06	129	101197	50.28	ppb	100
41) Chlorobenzene	21.51	112	302547	49.67	ppb #	100
42) Ethyl Benzene	21.66	91	505979	49.55	ppb	100
48) Bromoform	23.45	173	59109	47.54	ppb #	100
50) 1,1,2,2-Tetrachloroethane	23.78	83	102724	46.61	ppb #	100
61) 1,3-Dichlorobenzene	26.46	146	231476	47.88	ppb #	74
62) 1,4-Dichlorobenzene	26.66	146	233431	46.78	ppb #	68
63) 1,2-Dichlorobenzene	27.43	146	212895	50.30	ppb #	100

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

V2005634.D V2C173.M

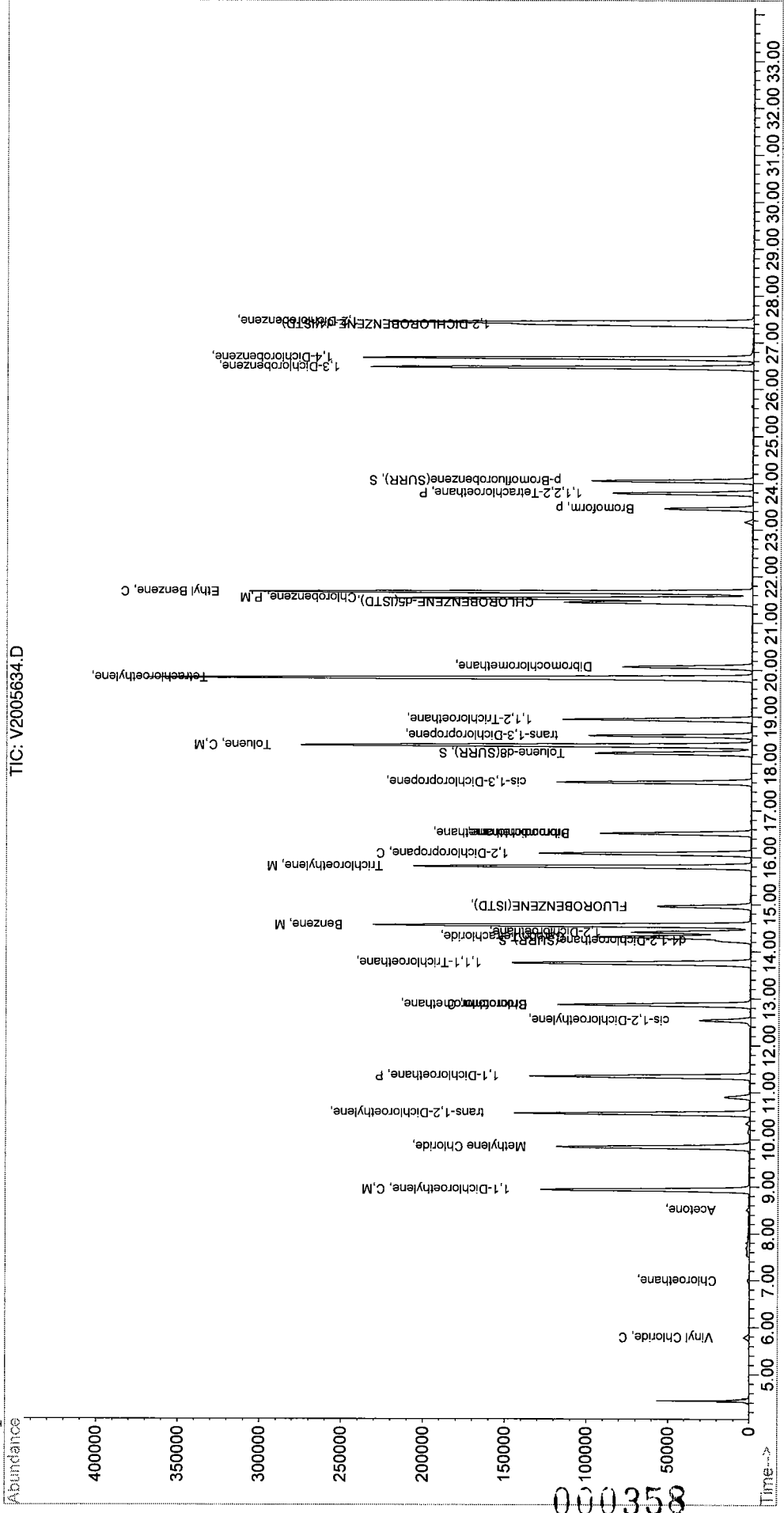
Wed Aug 24 08:59:27 2005

000357 Page 2

Quantitation Report

Data File : C:\HPCHEM\1\DATA\V2005634.D Vial: 27
 Acq On : 24 Aug 2005 8:15 am Operator: SS
 Sample : 05080545-03 \$8260W/VOATICW MSD ASPB Inst : VOA No. 2
 Misc : QBV2082305B Multiplr: 1.00
 MS Integration Params: rteint.p
 Quant Time: Aug 24 8:59 19105 Quant Results File: V2C173.RES

Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Thu Aug 18 08:08:33 2005
 Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\V2005646.D

Vial: 4

Acq On : 24 Aug 2005 4:35 pm

Operator: SS

Sample : VOA MS STD

Inst : VOA No. 2

Misc : QBV2082405A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Aug 25 9:51 19105

Quant Results File: V2C173.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Thu Aug 18 08:08:33 2005

Response via : Initial Calibration

DataAcq Meth : V2C173

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.84	70	24151	50.00	ppb	-0.04
25) CHLOROBENZENE-d5(ISTD)	21.32	117	171858	50.00	ppb	-0.04
47) 1,2-DICHLOROBENZENE-d4(IST	27.28	152	83579	50.00	ppb	-0.04

System Monitoring Compounds

21) d4-1,2-Dichloroethane(SURR	14.10	65	25681	46.72	ppb	-0.05
Spiked Amount	50.000	Range	37 - 128	Recovery	=	93.44%
32) Toluene-d8(SURR)	18.10	98	145236	48.03	ppb	-0.05
Spiked Amount	50.000	Range	40 - 61	Recovery	=	96.06%#
49) p-Bromofluorobenzene(SURR)	23.93	174	71085	49.65	ppb	-0.05
Spiked Amount	50.000	Range	39 - 68	Recovery	=	99.30%#

Target Compounds

						Qvalue
8) 1,1-Dichloroethylene	8.82	61	179737	54.99	ppb	100
9) trans-1,2-Dichloroethylene	10.43	61	176707	54.13	ppb	99
11) Methylene Chloride	9.72	49	178025	54.07	ppb	# 100
13) Acetone	8.39	43	1548	2.49	ppb	# 85
14) 1,1-Dichloroethane	11.22	63	216286	56.72	ppb	100
17) Bromochloromethane	12.74	49	13321	7.83	ppb	# 62
18) Chloroform	12.74	83	205171	53.19	ppb	100
19) 1,1,1-Trichloroethane	13.63	97	153384	52.43	ppb	# 70
22) Carbon Tetrachloride	14.18	117	134565	51.99	ppb	99
23) 1,2-Dichloroethane	14.28	62	116276	52.62	ppb	100
24) Benzene	14.43	78	485809	53.61	ppb	100
26) Trichloroethylene	15.67	95	122635	49.86	ppb	99
27) Dibromomethane	16.39	93	3308	2.40	ppb	# 35
28) Bromodichloromethane	16.39	83	140579	50.97	ppb	# 100
29) 1,2-Dichloropropane	15.96	63	119589	51.61	ppb	# 99
30) cis-1,3-Dichloropropene	17.48	75	169599	48.00	ppb	100
33) Toluene	18.27	91	502935	50.16	ppb	99
34) trans-1,3-Dichloropropene	18.48	75	132945	47.97	ppb	100
35) 1,1,2-Trichloroethane	18.83	83	75576	47.16	ppb	98
37) Tetrachloroethylene	19.71	166	138271	51.18	ppb	# 64
39) Dibromochloromethane	19.94	129	108212	50.00	ppb	99

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

Data File : C:\HPCHEM\1\DATA\V2005646.D

Vial: 4

Acq On : 24 Aug 2005 4:35 pm

Operator: SS

Sample : VOA MS STD

Inst : VOA No. 2

Misc : QBV2082405A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Aug 25 9:51 19105

Quant Results File: V2C173.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Thu Aug 18 08:08:33 2005

Response via : Initial Calibration

DataAcq Meth : V2C173

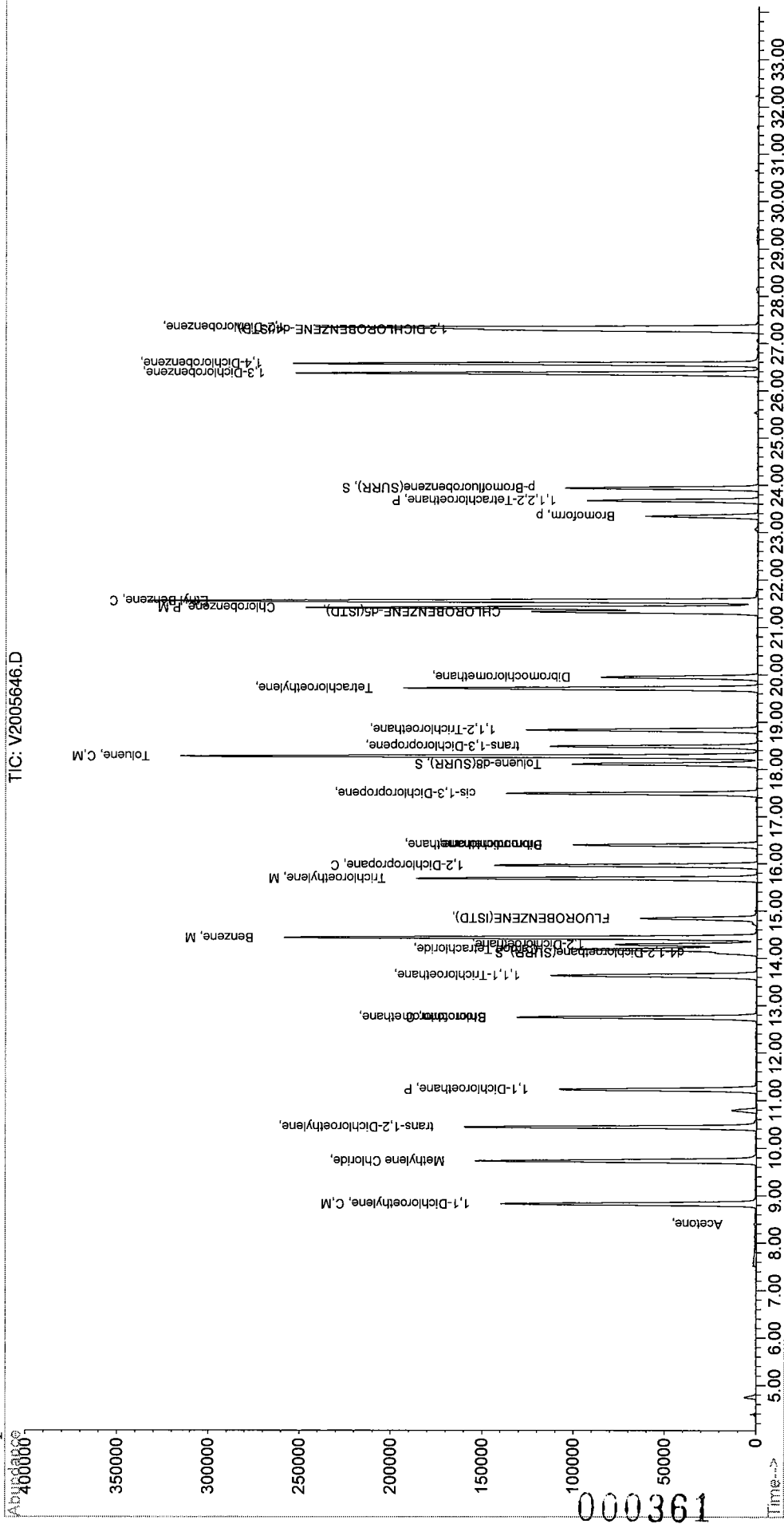
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
41) Chlorobenzene	21.41	112	331083	50.54	ppb	# 86
42) Ethyl Benzene	21.55	91	556269	50.66	ppb	100
48) Bromoform	23.34	173	64503	48.99	ppb	# 100
50) 1,1,2,2-Tetrachloroethane	23.67	83	113917	48.81	ppb	# 68
61) 1,3-Dichlorobenzene	26.36	146	248648	48.57	ppb	# 88
62) 1,4-Dichlorobenzene	26.55	146	247854	46.91	ppb	# 100
63) 1,2-Dichlorobenzene	27.33	146	229052	51.11	ppb	# 100

Quantitation Report

Data File : C:\HPCHEM\1\DATA\V2005646.D
 Acq On : 24 Aug 2005 4:35 pm
 Sample : VOA MS STD
 Misc : QBV2082405A
 MS Integration Params: rteint.p
 Quant Time: Aug 25 9:51 19105
 Quant Results File: V2C173.RES

Vial: 4
 Operator: SS
 Inst : VOA No. 2
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Thu Aug 18 08:08:33 2005
 Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\V2005647.D

Vial: 5

Acq On : 24 Aug 2005 5:17 pm

Operator: SS

Sample : VOA MSD STD

Inst : VOA No. 2

Misc : QBV2082405A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Aug 25 9:52 19105

Quant Results File: V2C173.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Thu Aug 18 08:08:33 2005

Response via : Initial Calibration

DataAcq Meth : V2C173

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.84	70	23271	50.00	ppb	-0.05
25) CHLOROBENZENE-d5(ISTD)	21.33	117	167258	50.00	ppb	-0.04
47) 1,2-DICHLOROBENZENE-d4(ISTD)	27.28	152	83489	50.00	ppb	-0.03

System Monitoring Compounds

21) d4-1,2-Dichloroethane(SURR)	14.12	65	25254	47.68	ppb	-0.04
Spiked Amount	50.000	Range	37 - 128	Recovery	=	95.36%
32) Toluene-d8(SURR)	18.11	98	143416	48.74	ppb	-0.04
Spiked Amount	50.000	Range	40 - 61	Recovery	=	97.48%#
49) p-Bromofluorobenzene(SURR)	23.94	174	69627	48.68	ppb	-0.04
Spiked Amount	50.000	Range	39 - 68	Recovery	=	97.36%#

Target Compounds

						Qvalue
8) 1,1-Dichloroethylene	8.83	61	178766	56.76	ppb	100
9) trans-1,2-Dichloroethylene	10.45	61	177005	56.28	ppb	100
11) Methylene Chloride	9.74	49	183590	57.87	ppb	# 55
13) Acetone	8.41	43	1576	2.63	ppb	# 91
14) 1,1-Dichloroethane	11.23	63	218881	59.57	ppb	100
18) Chloroform	12.76	83	205775	55.37	ppb	100
19) 1,1,1-Trichloroethane	13.63	97	151283	53.67	ppb	100
22) Carbon Tetrachloride	14.19	117	135525	54.34	ppb	100
23) 1,2-Dichloroethane	14.29	62	117633	55.25	ppb	100
24) Benzene	14.43	78	491069	56.24	ppb	100
26) Trichloroethylene	15.69	95	122825	51.31	ppb	99
27) Dibromomethane	16.39	93	3666	2.73	ppb	# 35
28) Bromodichloromethane	16.40	83	143329	53.40	ppb	# 100
29) 1,2-Dichloropropane	15.97	63	120004	53.21	ppb	# 100
30) cis-1,3-Dichloropropene	17.49	75	172055	50.03	ppb	100
33) Toluene	18.28	91	510928	52.35	ppb	100
34) trans-1,3-Dichloropropene	18.48	75	136005	50.43	ppb	100
35) 1,1,2-Trichloroethane	18.83	83	77119	49.44	ppb	99
37) Tetrachloroethylene	19.72	166	136869	52.05	ppb	# 64
39) Dibromochloromethane	19.95	129	111379	52.88	ppb	100
41) Chlorobenzene	21.41	112	338210	53.05	ppb	# 100

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

V2005647.D V2C173.M Thu Aug 25 09:52:27 2005

000362 Page 1

Data File : C:\HPCHEM\1\DATA\V2005647.D

Vial: 5

Acq On : 24 Aug 2005 5:17 pm

Operator: SS

Sample : VOA MSD STD

Inst : VOA No. 2

Misc : QBV2082405A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Aug 25 9:52 19105

Quant Results File: V2C173.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Thu Aug 18 08:08:33 2005

Response via : Initial Calibration

DataAcq Meth : V2C173

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
42) Ethyl Benzene	21.56	91	556749	52.10	ppb	100
48) Bromoform	23.34	173	65179	49.56	ppb #	100
50) 1,1,2,2-Tetrachloroethane	23.68	83	115974	49.75	ppb #	100
61) 1,3-Dichlorobenzene	26.36	146	259920	50.83	ppb #	88
62) 1,4-Dichlorobenzene	26.57	146	262137	49.66	ppb #	100
63) 1,2-Dichlorobenzene	27.34	146	236440	52.82	ppb #	100

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

V2005647.D V2C173.M Thu Aug 25 09:52:31 2005

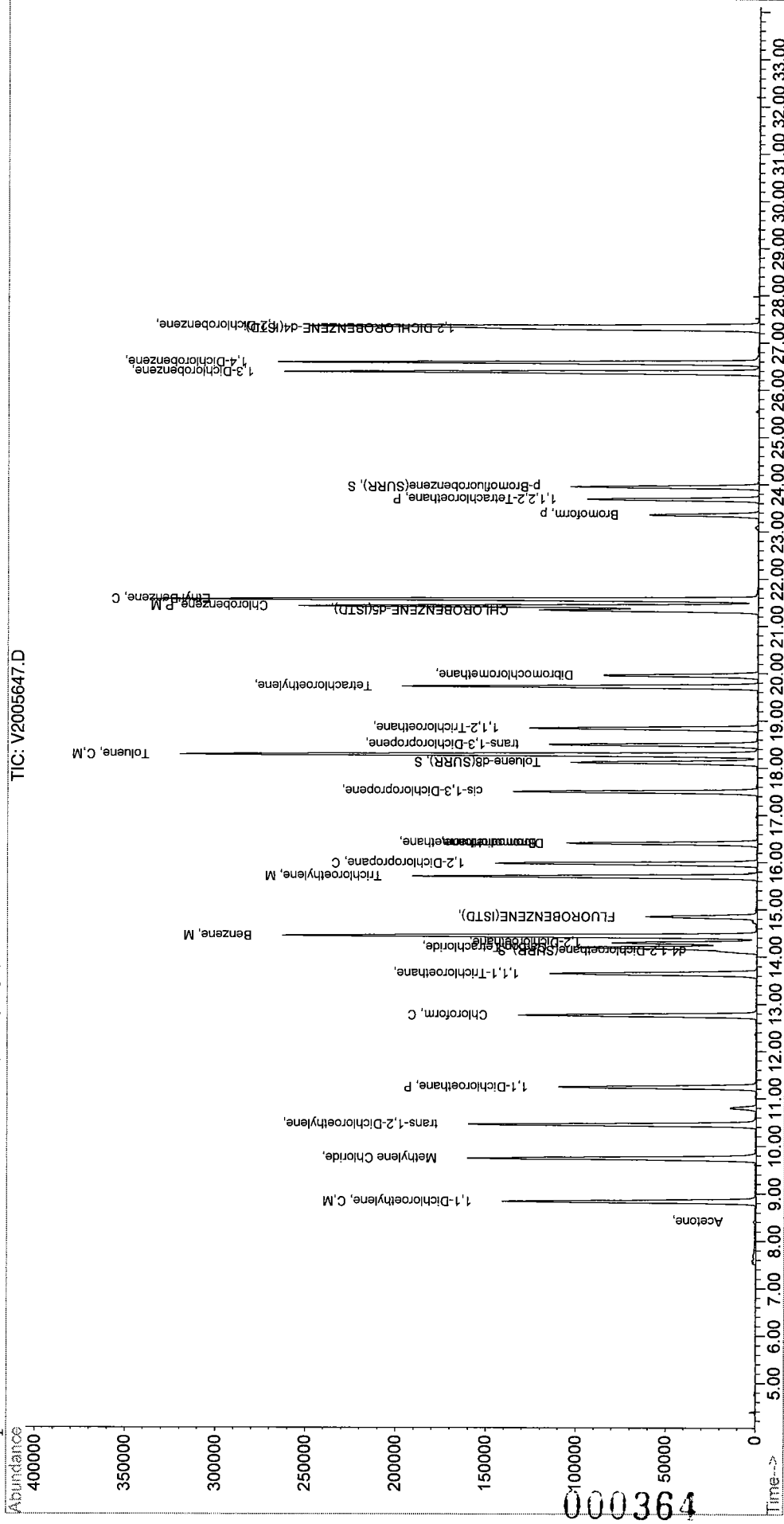
000363 Page 2

Quantitation Report

Data File : C:\HPCHEM\1\DATA\V2005647.D
 Acq On : 24 Aug 2005 5:17 pm
 Sample : VOA MSD STD
 Misc : QBV2082405A
 MS Integration Params: rteint.p
 Quant Time: Aug 25 9:52 19105
 Quant Results File: V2C173.RES

Vial: 5
 Operator: SS
 Inst : VOA No. 2
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Thu Aug 18 08:08:33 2005
 Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\V2005610.D

Vial: 3

Acq On : 23 Aug 2005 3:32 pm

Operator: SS

Sample : VOA LCS STD

Inst : VOA No. 2

Misc : QBV2082305A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Aug 23 16:07 19105

Quant Results File: V2C173.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Thu Aug 18 08:08:33 2005

Response via : Initial Calibration

DataAcq Meth : V2C173

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.87	70	23662	50.00	ppb	0.00
25) CHLOROBENZENE-d5(ISTD)	21.36	117	168390	50.00	ppb	0.00
47) 1,2-DICHLOROBENZENE-d4(IST	27.31	152	84845	50.00	ppb	0.00

System Monitoring Compounds

21) d4-1,2-Dichloroethane(SURR	14.14	65	26893	49.94	ppb	-0.01
Spiked Amount	50.000	Range	37 - 128	Recovery	=	99.88%
32) Toluene-d8(SURR)	18.14	98	142827	48.21	ppb	0.00
Spiked Amount	50.000	Range	40 - 61	Recovery	=	96.42%#
49) p-Bromofluorobenzene(SURR)	23.97	174	72763	50.06	ppb	0.00
Spiked Amount	50.000	Range	39 - 68	Recovery	=	100.12%#

Target Compounds

						Qvalue
8) 1,1-Dichloroethylene	8.86	61	177039	55.28	ppb	# 86
9) trans-1,2-Dichloroethylene	10.47	61	171788	53.71	ppb	100
11) Methylene Chloride	9.77	49	157924	48.96	ppb	# 100
13) Acetone	8.43	43	10383	17.05	ppb	# 94
14) 1,1-Dichloroethane	11.26	63	208117	55.71	ppb	100
18) Chloroform	12.79	83	198982	52.66	ppb	100
19) 1,1,1-Trichloroethane	13.67	97	148113	51.68	ppb	100
22) Carbon Tetrachloride	14.22	117	130686	51.53	ppb	100
23) 1,2-Dichloroethane	14.32	62	114141	52.72	ppb	100
24) Benzene	14.47	78	465193	52.39	ppb	100
26) Trichloroethylene	15.72	95	118686	49.25	ppb	# 80
27) Dibromomethane	16.43	93	3627	2.68	ppb	# 35
28) Bromodichloromethane	16.43	83	135570	50.17	ppb	# 100
29) 1,2-Dichloropropane	16.00	63	112520	49.56	ppb	# 83
30) cis-1,3-Dichloropropene	17.52	75	164630	47.55	ppb	100
31) 2-Hexanone	18.90	43	1019	0.93	ppb	# 75
33) Toluene	18.30	91	483637	49.22	ppb	99
34) trans-1,3-Dichloropropene	18.51	75	132276	48.72	ppb	# 88
35) 1,1,2-Trichloroethane	18.86	83	75504	48.08	ppb	98
37) Tetrachloroethylene	19.75	166	133099	50.28	ppb	# 64
39) Dibromochloromethane	19.98	129	106784	50.36	ppb	100

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

V2005610.D V2C173.M Tue Aug 23 16:19:09 2005

000365 Page 1

Data File : C:\HPCHEM\1\DATA\V2005610.D

Vial: 3

Acq On : 23 Aug 2005 3:32 pm

Operator: SS

Sample : VOA LCS STD

Inst : VOA No. 2

Misc : QBV2082305A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Aug 23 16:07 19105

Quant Results File: V2C173.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Thu Aug 18 08:08:33 2005

Response via : Initial Calibration

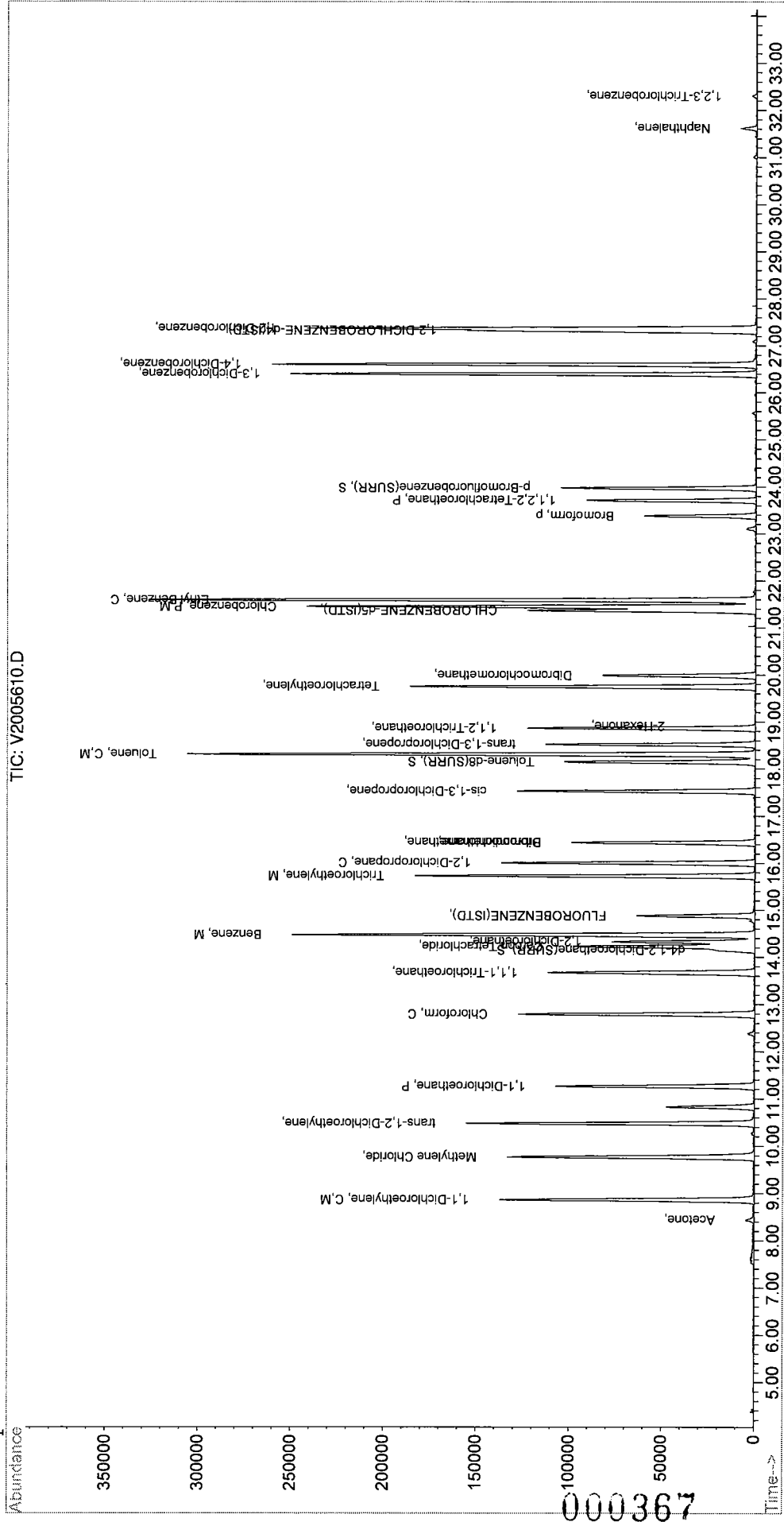
DataAcq Meth : V2C173

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
41) Chlorobenzene	21.44	112	324356	50.53	ppb #	100
42) Ethyl Benzene	21.58	91	540255	50.21	ppb	100
48) Bromoform	23.37	173	62861	47.03	ppb #	100
50) 1,1,2,2-Tetrachloroethane	23.71	83	112191	47.35	ppb #	100
61) 1,3-Dichlorobenzene	26.39	146	251165	48.33	ppb #	88
62) 1,4-Dichlorobenzene	26.59	146	253034	47.17	ppb #	99
63) 1,2-Dichlorobenzene	27.36	146	229664	50.48	ppb #	100
67) Naphthalene	31.61	128	19891	3.89	ppb #	100
69) 1,2,3-Trichlorobenzene	32.29	182	3051	1.24	ppb #	48

Quantitation Report

Data File : C:\HPCHEM\1\DATA\V2005610.D Vial: 3
 Acq On : 23 Aug 2005 3:32 pm Operator: SS
 Sample : VOA LCS STD Inst : VOA No. 2
 Misc : QBV2082305A Multiplr: 1.00
 MS Integration Params: rteint.p
 Quant Time: Aug 23 16:07 19105 Quant Results File: V2C173.RES

Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Thu Aug 18 08:08:33 2005
 Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\V2005645.D

Vial: 3

Acq On : 24 Aug 2005 3:54 pm

Operator: SS

Sample : VOA LCS STD

Inst : VOA No. 2

Misc : QBV2082405A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Aug 25 9:49 19105

Quant Results File: V2C173.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Thu Aug 18 08:08:33 2005

Response via : Initial Calibration

DataAcq Meth : V2C173

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE(ISTD)	14.85	70	23393	50.00	ppb	-0.03
25) CHLOROBENZENE-d5(ISTD)	21.33	117	170727	50.00	ppb	-0.03
47) 1,2-DICHLOROBENZENE-d4(ISTD)	27.28	152	86852	50.00	ppb	-0.03

System Monitoring Compounds

21) d4-1,2-Dichloroethane(SURR)	14.10	65	25398	47.70	ppb	-0.05
Spiked Amount	50.000	Range	37 - 128	Recovery	=	95.40%
32) Toluene-d8(SURR)	18.11	98	145582	48.47	ppb	-0.04
Spiked Amount	50.000	Range	40 - 61	Recovery	=	96.94%#
49) p-Bromofluorobenzene(SURR)	23.94	174	72059	48.43	ppb	-0.03
Spiked Amount	50.000	Range	39 - 68	Recovery	=	96.86%#

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
8) 1,1-Dichloroethylene	8.83	61	164332	51.90	ppb	100
9) trans-1,2-Dichloroethylene	10.45	61	162790	51.49	ppb	100
11) Methylene Chloride	9.74	49	174144	54.61	ppb	# 55
13) Acetone	8.41	43	1683	2.80	ppb	# 90
14) 1,1-Dichloroethane	11.24	63	200243	54.22	ppb	100
17) Bromochloromethane	12.76	49	12502	7.58	ppb	# 62
18) Chloroform	12.76	83	188752	50.52	ppb	100
19) 1,1,1-Trichloroethane	13.64	97	139133	49.10	ppb	# 70
22) Carbon Tetrachloride	14.19	117	124342	49.59	ppb	100
23) 1,2-Dichloroethane	14.29	62	108662	50.77	ppb	100
24) Benzene	14.44	78	449517	51.21	ppb	100
26) Trichloroethylene	15.69	95	114131	46.71	ppb	# 56
27) Dibromomethane	16.41	93	3410	2.49	ppb	# 35
28) Bromodichloromethane	16.40	83	131665	48.06	ppb	# 97
29) 1,2-Dichloropropane	15.97	63	112821	49.01	ppb	# 83
30) cis-1,3-Dichloropropene	17.49	75	162581	46.32	ppb	100
31) 2-Hexanone	18.89	43	717	0.65	ppb	# 77
33) Toluene	18.28	91	472896	47.47	ppb	100
34) trans-1,3-Dichloropropene	18.49	75	128035	46.51	ppb	# 88
35) 1,1,2-Trichloroethane	18.84	83	73172	45.96	ppb	99
37) Tetrachloroethylene	19.72	166	128861	48.01	ppb	# 64

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

V2005645.D V2C173.M Thu Aug 25 09:50:12 2005

000368

Page 1

Data File : C:\HPCHEM\1\DATA\V2005645.D

Vial: 3

Acq On : 24 Aug 2005 3:54 pm

Operator: SS

Sample : VOA LCS STD

Inst : VOA No. 2

Misc : QBV2082405A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Aug 25 9:49 19105

Quant Results File: V2C173.RES

Quant Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)

Title : VOCs BY GC/MS 8240/8260

Last Update : Thu Aug 18 08:08:33 2005

Response via : Initial Calibration

DataAcq Meth : V2C173

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
39) Dibromochloromethane	19.95	129	106563	49.56	ppb	100
41) Chlorobenzene	21.42	112	318419	48.93	ppb #	100
42) Ethyl Benzene	21.56	91	530869	48.67	ppb	100
48) Bromoform	23.35	173	63424	46.36	ppb #	100
50) 1,1,2,2-Tetrachloroethane	23.68	83	113161	46.66	ppb #	100
61) 1,3-Dichlorobenzene	26.37	146	245289	46.11	ppb #	88
62) 1,4-Dichlorobenzene	26.57	146	243322	44.31	ppb #	99
63) 1,2-Dichlorobenzene	27.34	146	227557	48.86	ppb #	100
66) 1,2,4-Trichlorobenzene	30.98	180	1788	0.60	ppb #	92
67) Naphthalene	31.57	128	14739	2.67	ppb #	100
69) 1,2,3-Trichlorobenzene	32.26	182	2712	1.08	ppb #	92

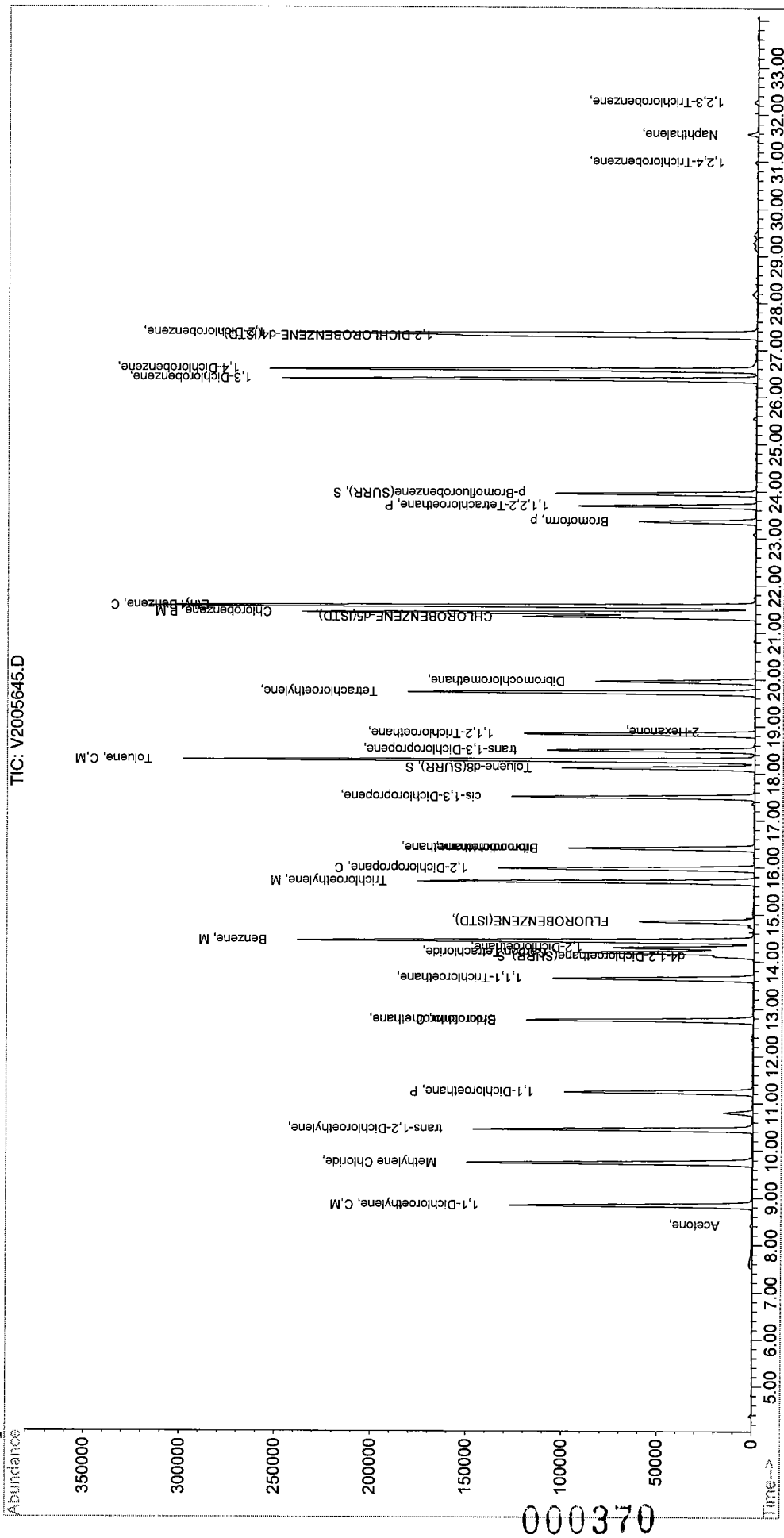
Quantitation Report

Data File : C:\HPCHEM\1\DATA\V2005645.D
 Acq On : 24 Aug 2005 3:54 pm
 Sample : VOA LCS STD
 Misc : QBV2082405A
 MS Integration Params: rteint.p
 Quant Time: Aug 25 9:49 19105

Vial: 3
 Operator: SS
 Inst : VOA No. 2
 Multiplr: 1.00

Quant Results File: V2C173.RES

Method : C:\HPCHEM\1\METHODS\V2C173.M (RTE Integrator)
 Title : VOCs BY GC/MS 8240/8260
 Last Update : Thu Aug 18 08:08:33 2005
 Response via : Initial Calibration



Injection Log

Directory: c:\hpchem\1\data

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	13	e2003169.d	1.	10 ppm BNA CAL STD	QBSV2072705A	27 Jul 05 19:58
2	14	e2003170.d	1.	20 ppm BNA CAL STD	QBSV2072705A	27 Jul 05 20:31
3	15	e2003171.d	1.	40 ppm BNA CAL STD	QBSV2072705A	27 Jul 05 21:03
4	16	e2003172.d	1.	50 ppm BNA CAL STD	QBSV2072705A	27 Jul 05 21:36
5	17	e2003173.d	1.	80 ppm BNA CAL STD	QBSV2072705A	27 Jul 05 22:08
6	18	e2003174.d	1.	100 ppm BNA CAL STD	QBSV2072705A	27 Jul 05 22:40
7	1	e2003987.d	1.	50 ppm BNA CAL CHECK STD	QBSV2082305A	23 Aug 05 16:5
8	2	e2003988.d	1.	MBLK 082205 WATER	QBSV2082305A	23 Aug 05 17:2
9	3	e2003989.d	1.	MS 082205 WATER	QBSV2082305A	23 Aug 05 18:0
10	4	e2003990.d	1.	MSD 082205 WATER	QBSV2082305A	23 Aug 05 18:3
11	5	e2003991.d	1.05	05080545-09 \$BNEXT/TICW 950ML/1ML ASPB	QBSV2082305A	23 Aug 05 19:0
12	6	e2003992.d	1.05	05080545-10 \$BNEXT/TICW 950ML/1ML ASPB	QBSV2082305A	23 Aug 05 19:4
13	7	e2003993.d	1.05	05080545-11 \$BNEXT/TICW 950ML/1ML ASPB	QBSV2082305A	23 Aug 05 20:1
14	8	e2003994.d	1.05	05080545-12 \$BNEXT/TICW 950ML/1ML ASPB	QBSV2082305A	23 Aug 05 20:4
15	9	e2003995.d	1.05	05080545-15 \$BNEXT/TICW 950ML/1ML ASPB	QBSV2082305A	23 Aug 05 21:1
16	1	e2004056.d	1.	50 ppm BNA CAL CHECK STD	QBSV2082505A	25 Aug 05 14:5
17	2	e2004057.d	1.05	05080545-16 \$BNEXT/TICW 950ML/1ML ASPB	QBSV2082505A	25 Aug 05 15:2
18	1	evaldemo.d	1.	demoscan sample	10 ng per component	7 Sep 89 13:59

2C

SDG (Project No.): 05080545

**** - Analysis requested was a BN extraction only**

S1 (NBZ) = Nitrobenzene-d5 19-88
S2 (FBP) = 2-Flourobiphenyl 33-113
S3 (TPH) = Terphenyl-d14 35-117

Column to be used to flag recovery values

* Values outside of Protocol required QC limits

D Surrogate diluted out

Soil Semivolatile Matrix Spike/Matrix Spike Duplicate Recovery

Lab Name: York Analytical Labs

Contract:

SDG (Project No.): 04090565

Level: Low

Client Sample ID: Batch QC 092704

(BNA 1)

Compound	Spike Added ug/L	Sample Conc. ug/L	MS Conc. ug/L	MS Rec. % #	QC Limits Recovery, %
1,4-Dichlorobenzene	100	0	67	67	28-104
N-Nitroso-di-n-propylami	100	0	58	58	41-126
1,2,4-Trichlorobenzene	100	0	79	79	38-107
Acenaphthene	100	0	63	63	31-137
2,4-Dinitrotoluene	100	0	66	66	28-89
Pyrene	100	0	67	67	35-142

Compound	Spike Added ug/L	MSD Conc. ug/L	MSD Rec. % #	RPD % #	QC Limits	
					RPD	Rec, %
1,4-Dichlorobenzene	100	58	58	14	27	28-104
N-Nitroso-di-n-propylami	100	51	51	13	38	41-126
1,2,4-Trichlorobenzene	100	71	71	11	23	38-107
Acenaphthene	100	57	57	10	19	31-137
2,4-Dinitrotoluene	100	63	63	5	47	28-89
Pyrene	100	66	66	2	36	35-142

Column to be used to flag recovery and RPD values with an asterisk

* Values outside QC limits

Comments:

4B
Semivolatile Method Blank Summary

Lab Name: York Analytical Labs
Lab Sample ID: MBLK 082305 SOIL
Lab File ID: E2003988.D
Matrix: Water
Level: Low

Contract:
SDG No: 05080545
Date Extracted: 08/22/05
Date Analyzed: 08/23/05
Time Analyzed: 17:29

This Method Blank applies to the following samples, MS and MSD:

	Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed
1		MATRIX SPIKE	E2003989.D	08/23/05
2		MATRIX SPIKE DUP	E2003990.D	08/23/05
3	WC-1 (5-10')	05080545-09	E2003991.D	08/23/05
4	WC-1 (20-25')	05080545-10	E2003992.D	08/23/05
5	WC-1 (35-40')	05080545-11	E2003993.D	08/23/05
6	WC-1 (50-55')	05080545-12	E2003994.D	08/23/05
7	BLIND DUPLICATE	05080545-15	E2003995.D	08/23/05
8	EQUIPMENT BLANK	05080545-16	E2004057.D	08/23/05
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				

Comments:

**Semivolatile Organic Instrument Performance Check
Decafluorotriphenylphosphine (DFTPP)**

Lab Name: York Analytical Labs

Contract:

Lab File ID: E2003169.D

SDG (Project ID) No: 05080545

DFTPP Injection Date: 07/27/05

DFTPP InjectionTime: 19:58

m/e	Ion Abundance Criteria	% Relative Abundance
51	30.0-85.0 percent of mass 198	53.7
68	Less than 2.0 percent of mass 69	0.0
69	Present	75.1
70	Less than 2.0 percent of mass 69	0.0
127	40.0-65.0 percent of mass 198	55.1
197	Less than 1.0 percent of mass 198	0.0
198	Base peak, 100 percent relative abundance	100.0
199	5.0-9.0 percent of mass 198	7.0
275	10.0-30.0 percent of mass 198	23.7
365	Greater than 1.0 percent of mass 198	3.3
441	Present, but less than mass 443	98.0
442	40.0-110.0 percent of mass 198	85.1
443	17.0-23.0 percent of mass 442	18.9

This check applies to the following samples, MS, MSD, blanks and standards

	Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
1		20 ppm BNA CAL STD	E2003170.D	07/27/05	20:31
2		40 ppm BNA CAL STD	E2003171.D	07/27/05	21:03
3		50 ppm BNA CAL STD	E2003172.D	07/27/05	21:36
4		80 ppm BNA CAL STD	E2003173.D	07/27/05	22:08
5		100 ppm BNA CAL STD	E2003174.D	07/27/05	22:40
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

**Semivolatile Organic Instrument Performance Check
Decafluorotriphenylphosphine (DFTPP)**

Lab Name: York Analytical Labs

Contract:

Lab File ID: E2003987.D

SDG (Project ID) No: 05080545

DFTPP Injection Date: 08/23/05

DFTPP InjectionTime: 16:56

m/e	Ion Abundance Criteria	% Relative Abundance
51	30.0-85.0 percent of mass 198	56.1
68	Less than 2.0 percent of mass 69	0.0
69	Present	88.3
70	Less than 2.0 percent of mass 69	0.3
127	40.0-65.0 percent of mass 198	61.0
197	Less than 1.0 percent of mass 198	0.0
198	Base peak, 100 percent relative abundance	100.0
199	5.0-9.0 percent of mass 198	6.7
275	10.0-30.0 percent of mass 198	27.1
365	Greater than 1.0 percent of mass 198	3.4
441	Present, but less than mass 443	40.5
442	40.0-110.0 percent of mass 198	97.9
443	17.0-23.0 percent of mass 442	20.6

This check applies to the following samples, MS, MSD, blanks and standards

	Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
1		METHOD BLANK	E2003988.D	08/23/05	17:29
2		MATRIX SPIKE	E2003989.D	08/23/05	18:02
3		MATRIX SPIKE DUP	E2003990.D	08/23/05	18:35
4	WC-1 (5-10')	05080545-09	E2003991.D	08/23/05	19:08
5	WC-1 (20-25')	05080545-10	E2003992.D	08/23/05	19:41
6	WC-1 (35-40')	05080545-11	E2003993.D	08/23/05	20:14
7	WC-1 (50-55')	05080545-12	E2003994.D	08/23/05	20:47
8	BLIND DUP	05080545-15	E2003995.D	08/23/05	21:19
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

**Semivolatile Organic Instrument Performance Check
Decafluorotriphenylphosphine (DFTPP)**

Lab Name: York Analytical Labs

Contract:

Lab File ID: E2004056.D

SDG (Project ID) No: 05080545

DFTPP Injection Date: 08/25/05

DFTPP InjectionTime: 14:56

m/e	Ion Abundance Criteria	% Relative Abundance
51	30.0-85.0 percent of mass 198	65.8
68	Less than 2.0 percent of mass 69	0.0
69	Present	92.9
70	Less than 2.0 percent of mass 69	0.4
127	40.0-65.0 percent of mass 198	63.5
197	Less than 1.0 percent of mass 198	0.0
198	Base peak, 100 percent relative abundance	100.0
199	5.0-9.0 percent Of mass 198	7.7
275	10.0-30.0 percent of mass 198	24.5
365	Greater than 1.0 percent of mass 198	4.0
441	Present, but less than mass 443	28.9
442	40.0-110.0 percent of mass 198	84.8
443	17.0-23.0 percent of mass 442	19.9

This check applies to the following samples, MS, MSD, blanks and standards

	Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
1	EQUIPMENT BLANK	05080545-16	E2004057.D	08/25/05	15:29
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

Semivolatile Internal Standard Area and RT Summary

Lab Name: York Analytical Labs

Contract:

SDG (Project No.): 05080545

Lab File ID (Standard): E2003987.D

Date Analyzed: 08/23/05

Time Analyzed: 16:56

	IS 1 (DCB) Area #	RT #	IS 2 (NPT) Area #	RT #	IS 3 (ANT) Area #	RT #
12 Hour Std	1551354	8.01	5723540	9.65	2951336	12.08
Upper Limit	3102708	8.51	11447080	10.15	5902672	12.58
Lower Limit	775677	7.51	2861770	9.15	1475668	11.58
Client Sample ID						
METHOD BLANK	1472061	8.00	5419994	9.63	2778838	12.06
MATRIX SPIKE	1410927	8.01	5035089	9.63	2667937	12.07
MATRIX SPIKE DUP	1509671	8.01	5477145	9.64	2870091	12.07
WC-1 (5-10')	1579858	8.00	5797219	9.63	2967062	12.06
WC-1 (20-25')	1585037	8.00	5860408	9.63	3074579	12.06
WC-1 (35-40')	1616432	8.00	5866422	9.63	2961962	12.06
WC-1 (50-55')	1585733	8.00	5872677	9.63	2961237	12.06
BLIND DUP	1462283	8.00	5394430	9.63	2648167	12.06

IS 1 (DCB) 1,4-Dichlorobenzene

IS 2 (NPT) Napthalene-d8

IS 3 (ANT) Acenaphthene-d10

Area Upper Limit +100% of internal standard area

Area Lower Limit -50% of internal standard area

RT Upper Limit +0.50 minutes of internal standard RT

RT Lower Limit -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with asterisk

* Values outside of QC limits

8C

Semivolatile Internal Standard Area and RT Summary

Lab Name: York Analytical Labs

Contract:

SDG (Project No.): 05080545

Lab File ID (Standard): E2003987.D

Date Analyzed: 08/23/05

Time Analyzed: 16:56

	IS 4 (PHN) Area #	RT #	IS 5 (CRY) Area #	RT #	IS 6 (PRY) Area #	RT #
12 Hour Std	4724349	14.18	6191040	18.01	5808329	20.04
Upper Limit	9448698	14.68	12382080	18.51	11616658	20.54
Lower Limit	2362175	13.68	3095520	17.51	2904165	19.54
Client Sample ID						
METHOD BLANK	4759959	14.16	5213753	17.99	6049466	20.02
MATRIX SPIKE	4357967	14.17	5146899	17.99	5907488	20.02
MATRIX SPIKE DUP	4696037	14.17	4912083	17.99	5496337	20.02
WC-1 (5-10')	4964963	14.16	5381089	17.99	6219107	20.02
WC-1 (20-25')	5322562	14.16	5481483	17.99	6074886	20.02
WC-1 (35-40')	5072093	14.16	5233552	17.98	5697814	20.02
WC-1 (50-55')	4949928	14.16	5499410	17.99	6218010	20.02
BLIND DUP	4697126	14.16	4837467	17.99	5662572	20.02

IS 4 (PHN) Phenanthrene-d10

IS 5 (CRY) Chrysene-d12

IS 6 (PRY) Perylene-d12

Area Upper Limit +100% of internal standard area

Area Lower Limit -50% of internal standard area

RT Upper Limit +0.50 minutes of internal standard RT

RT Lower Limit -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with asterisk

* Values outside of QC limits

Semivolatile Internal Standard Area and RT Summary

Contract:

Lab File ID (Standard): E2004056.D

Time Analyzed: 14:56

IS 1 (DCB)	1,4-Dichlorobenzene
IS 2 (NPT)	Napthalene-d8
IS 3 (ANT)	Acenaphthene-d10

Area Upper Limit	+100% of internal standard area
Area Lower Limit	-50% of internal standard area
RT Upper Limit	+0.50 minutes of internal standard RT
RT Upper Limit	-0.50 minutes of internal standard RT

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

Semivolatile Internal Standard Area and RT Summary

Contract:

Lab File ID (Standard): E2004056.D

Time Analyzed: 14:56

[illegible]

IS 4 (PHN)	Phenanthrene-d10
IS 5 (CRY)	Chrysene-d12
IS 6 (PRY)	Perylene-d12

Area Upper Limit	+100% of internal standard area
Area Lower Limit	-50% of internal standard area
RT Upper Limit	+0.50 minutes of internal standard RT
RT Upper Limit	-0.50 minutes of internal standard RT

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

000381

Form 1
SEMIVOLATILE Organics Analysis Data Sheet- EPA 8270

Client Sample ID

WC-1 (5-10')

Sample Amount:	950 ml	Date Collected:	8/15/05	Sample Type:	WATER
Matrix:	WATER	Date Received:	8/17/05		
Dilution Factor	1.00	Date Extracted:	08/22/05	SDG:	05080545
Conc. Extract Vol.:	1000 ul	Date Analyzed:	08/23/05	Lab ID:	05080545-09
Injection Volume:	1.0 ul	Level:	LOW	Lab File ID:	E2003991.D
GPC Cleanup:	N				

CONCENTRATION
UNITS: **ug/L**

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
WC-1 (5-10')	05080545-09	Acenaphthene	10 U
WC-1 (5-10')	05080545-09	Acenaphthylene	10 U
WC-1 (5-10')	05080545-09	Anthracene	10 U
WC-1 (5-10')	05080545-09	Benzo(a)anthracene	10 U
WC-1 (5-10')	05080545-09	Benzo(b)fluoranthene	10 U
WC-1 (5-10')	05080545-09	Benzo(k)fluoranthene	10 U
WC-1 (5-10')	05080545-09	Benzo(g,h,i)perylene	10 U
WC-1 (5-10')	05080545-09	Benzo(a)pyrene	10 U
WC-1 (5-10')	05080545-09	Bis(2-chloroethoxy)methane	10 U
WC-1 (5-10')	05080545-09	Bis(2-chloroethyl)ether	10 U
WC-1 (5-10')	05080545-09	Bis(2-chloroisopropyl)ether	10 U
WC-1 (5-10')	05080545-09	Bis(2-ethylhexyl)phthalate	10 U
WC-1 (5-10')	05080545-09	4-Bromophenyl phenyl ether	10 U
WC-1 (5-10')	05080545-09	Butyl benzyl phthalate	10 U
WC-1 (5-10')	05080545-09	4-Chloroaniline	10 U
WC-1 (5-10')	05080545-09	2-Chloronaphthalene	10 U
WC-1 (5-10')	05080545-09	4-Chlorophenyl phenyl ether	10 U
WC-1 (5-10')	05080545-09	Chrysene	10 U
WC-1 (5-10')	05080545-09	Dibenzo(a,h)anthracene	10 U
WC-1 (5-10')	05080545-09	Dibenzofuran	10 U
WC-1 (5-10')	05080545-09	Di-n-butylphthalate	10 U
WC-1 (5-10')	05080545-09	1,3-Dichlorobenzene	10 U
WC-1 (5-10')	05080545-09	1,4-Dichlorobenzene	10 U
WC-1 (5-10')	05080545-09	1,2-Dichlorobenzene	10 U
WC-1 (5-10')	05080545-09	3,3'-Dichlorobenzidine	10 U
WC-1 (5-10')	05080545-09	Diethylphthalate	10 U
WC-1 (5-10')	05080545-09	Dimethylphthalate	10 U
WC-1 (5-10')	05080545-09	2,4-Dinitrotoluene	10 U
WC-1 (5-10')	05080545-09	2,6-Dinitrotoluene	10 U
WC-1 (5-10')	05080545-09	Di-n-octylphthalate	10 U
WC-1 (5-10')	05080545-09	Fluoranthene	10 U
WC-1 (5-10')	05080545-09	Fluorene	10 U
WC-1 (5-10')	05080545-09	Hexachlorobenzene	10 U

Data File : C:\HPCHEM\1\DATA\E2003991.D

Vial: 5

Acq On : 23 Aug 2005 7:08 pm

Operator: SW

Sample : 05080545-09 \$BNEXT/TICW 950ML/1ML ASPB

Inst : GCMS BNA

Misc : QBSV2082305A

Multiplr: 1.05

MS Integration Params: events.e

Quant Time: Aug 24 12:06 19105

Quant Results File: BNA2M24.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)

Title : GC MS BNA 2 Semi Volatiles Calibration

Last Update : Thu Jul 28 14:39:42 2005

Response via : Initial Calibration

DataAcq Meth : BNA2M24

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	1579858	40.00	ug/mL	-0.28
21) Naphthalene-d8	9.63	136	5797219	40.00	ug/mL	-0.29
35) Acenaphthene-d10	12.06	164	2967062	40.00	ug/mL	-0.30
57) Phenanthrene-d10	14.16	188	4964963	40.00	ug/mL	-0.30
75) Chrysene-d12	17.99	240	5381089	40.00	ug/mL	-0.30
84) Perylene-d12	20.02	264	6219107	40.00	ug/mL	-0.36

System Monitoring Compounds

4) 2-Fluorophenol	0.00	112	0	0.00	ug/mL	
Spiked Amount	200.000	Range	15 - 87	Recovery	=	0.00%#
5) Phenol-d5	0.00	99	0d	0.00	ug/mL	
Spiked Amount	200.000	Range	10 - 100	Recovery	=	0.00%#
19) Nitrobenzene-d5	8.74	82	3075925	47.76	ug/mL	-0.28
Spiked Amount	100.000	Range	26 - 120	Recovery	=	47.76%
38) 2-Fluorobiphenyl	11.11	172	4675126	48.44	ug/mL	-0.30
Spiked Amount	100.000	Range	29 - 120	Recovery	=	48.44%
59) 2,4,6-Tribromophenol	0.00	330	0	0.00	ug/mL	
Spiked Amount	200.000	Range	35 - 126	Recovery	=	0.00%#
70) Terphenyl-d14	16.46	244	6938119	59.48	ug/mL	-0.28
Spiked Amount	100.000	Range	35 - 127	Recovery	=	59.48%

Target Compounds

Qvalue

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

DATA\\Data\\File : C:\\HPCHEM\\1\\DATA\\E2003991.D

Vial: 5

Acq On : 23 Aug 2005 7:08 pm

Operator: SW

Sample : 05080545-09 \$BNEXT/TICW 950ML/1ML ASPB

Inst : GCMS BNA

Misc : QBSV2082305A

Multiplr: 1.05

MS Integration Params: events.e

Quant Time: Aug 24 12:06 19105

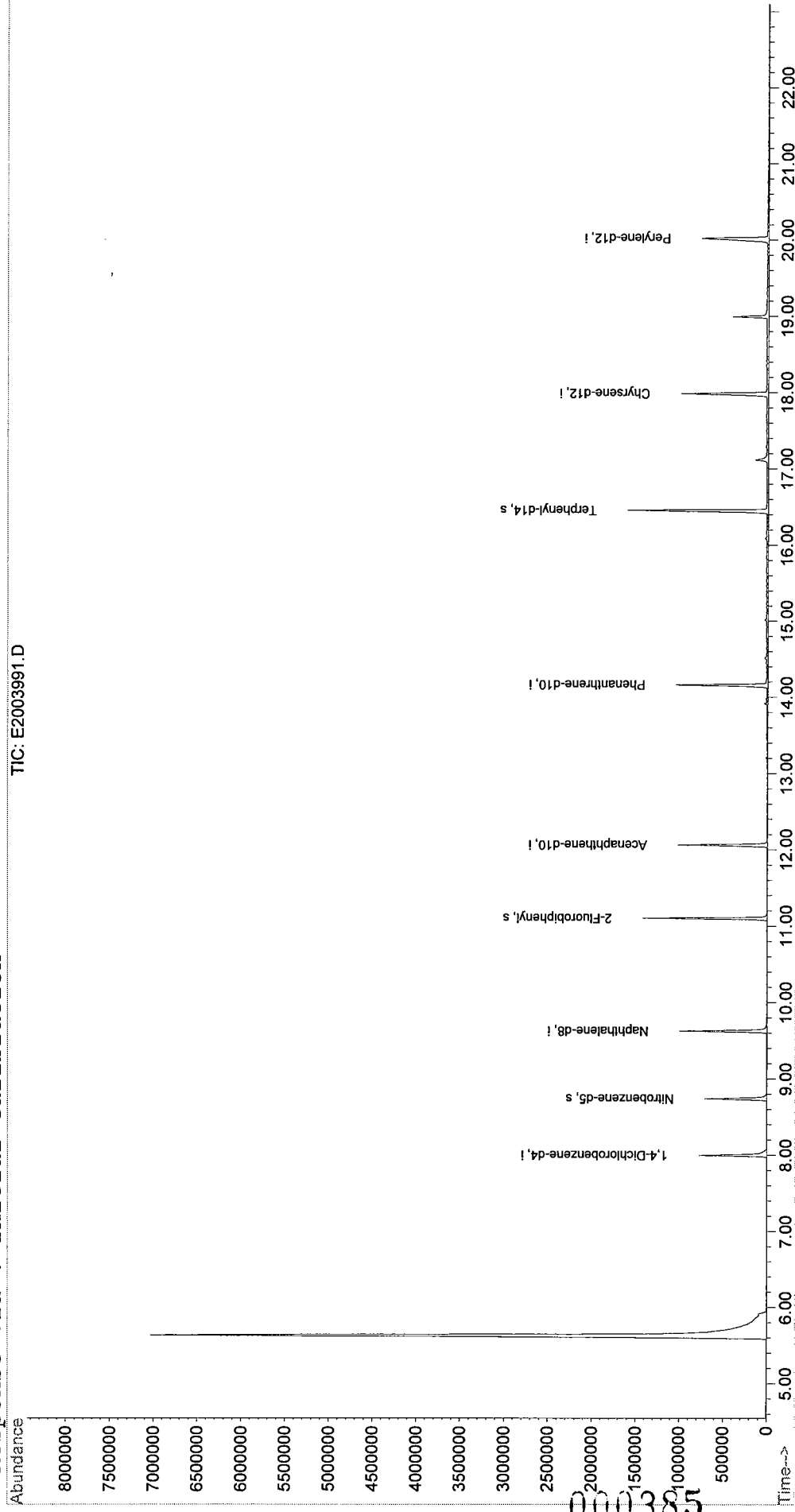
Quant Results File: BNA2M24.RES

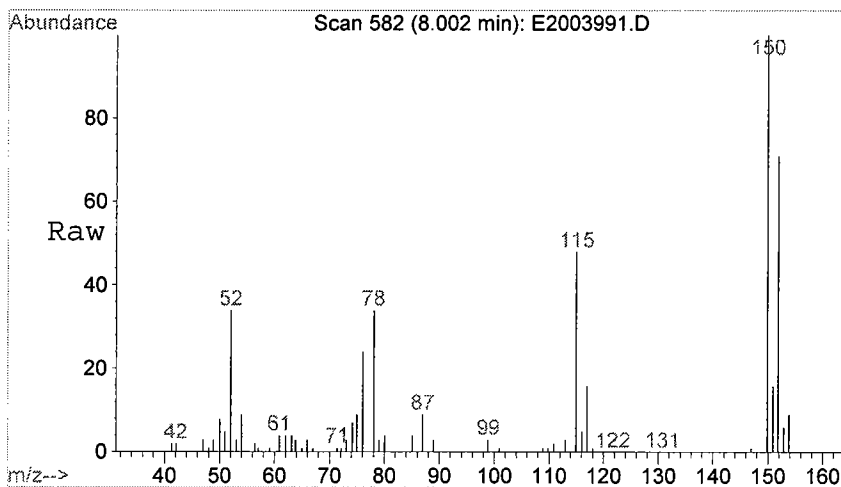
Method : C:\\HPCHEM\\1\\METHODS\\BNA2M24.M (Chemstation Integrator)

Title : GC MS BNA 2 Semi Volatiles Calibration

Last Update : Thu Jul 28 14:39:42 2005

Response via : Initial Calibration

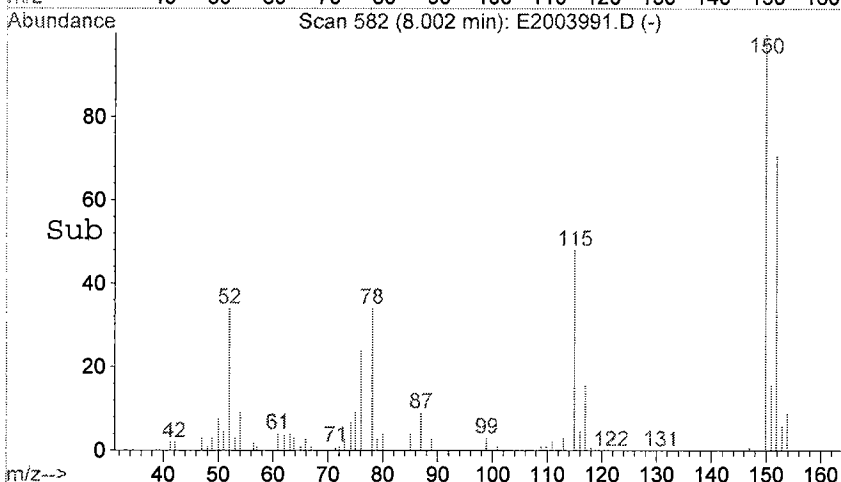




#1
 1,4-Dichlorobenzene-d4
 Concen: 40.00 ug/mL
 RT: 8.00 min Scan# 582
 Delta R.T. -0.28 min
 Lab File: E2003991.D
 Acq: 23 Aug 2005 7:08 pm

Tgt Ion:152 Resp: 1579858

Ion	Ratio	Lower	Upper
152	100		
150	160.7	90.1	270.2
115	72.1	36.0	107.9
78	63.4	29.7	89.1



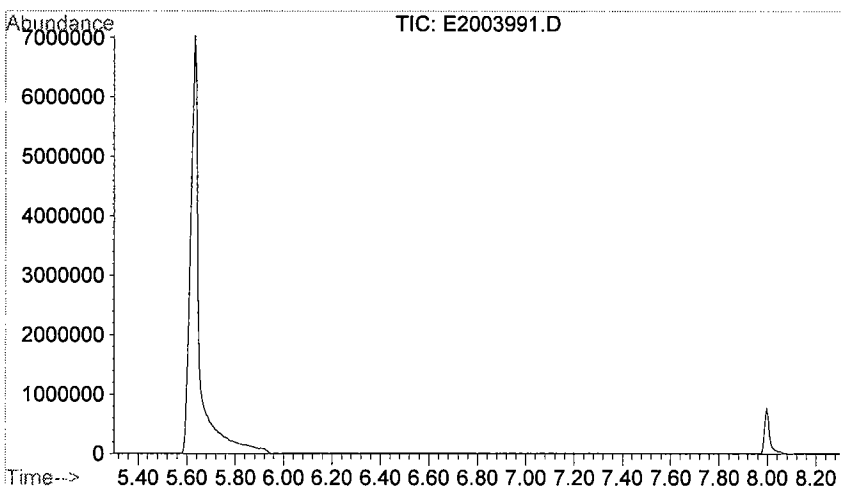
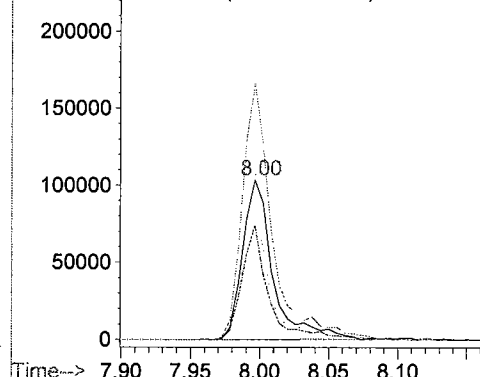
Abundance

Ion 152.00 (151.70 to 152.70): E2003991.D

Ion 150.00 (149.70 to 150.70): E2003991.D

Ion 115.00 (114.70 to 115.70): E2003991.D

Ion 78.00 (77.70 to 78.70): E2003991.D

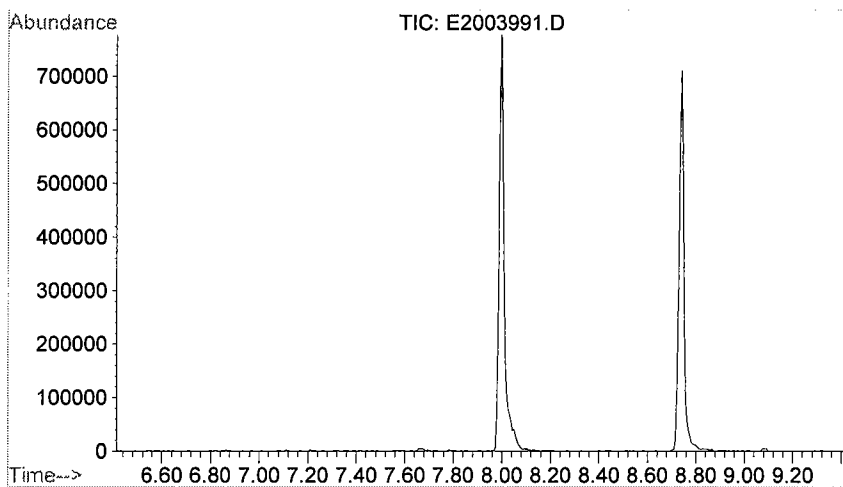


#4
 2-Fluorophenol
 Concen: 0.00 ug/mL
 Expected RT: 6.80 min
 Lab File: E2003991.D
 Acq: 23 Aug 2005 7:08 pm

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	43.8
92	19.1

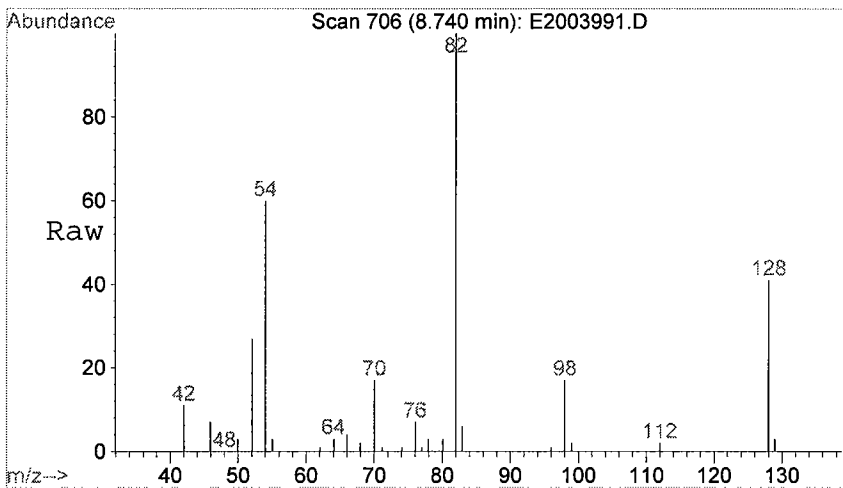
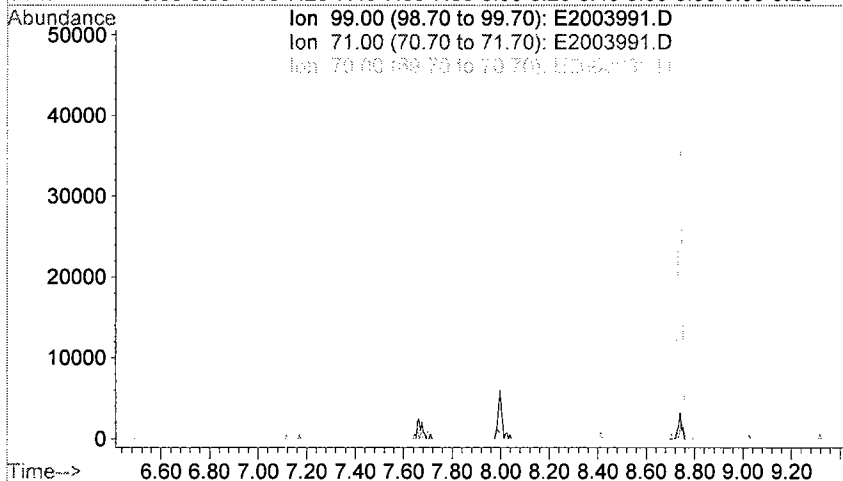




#5
 Phenol-d5
 Concen: 0.00 ug/mL
 Expected RT: 7.91 min

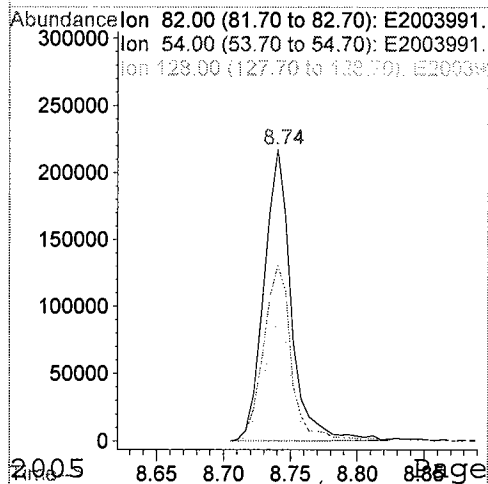
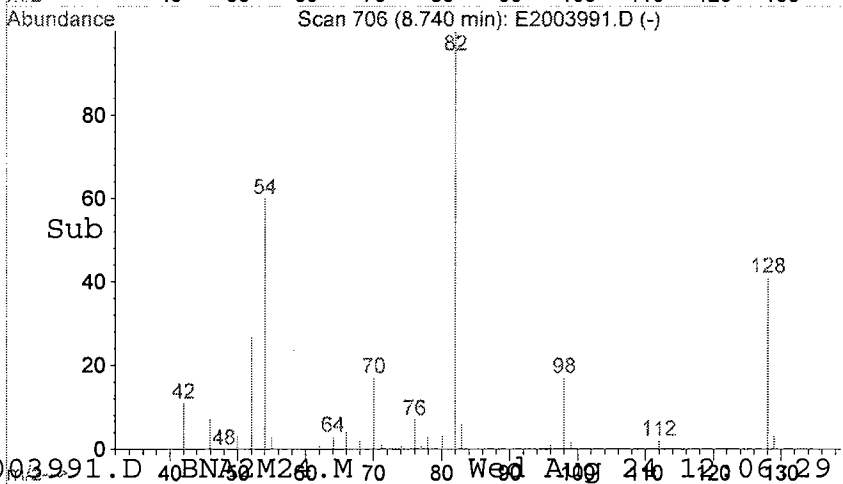
Lab File: E2003991.D
 Acq: 23 Aug 2005 7:08 pm

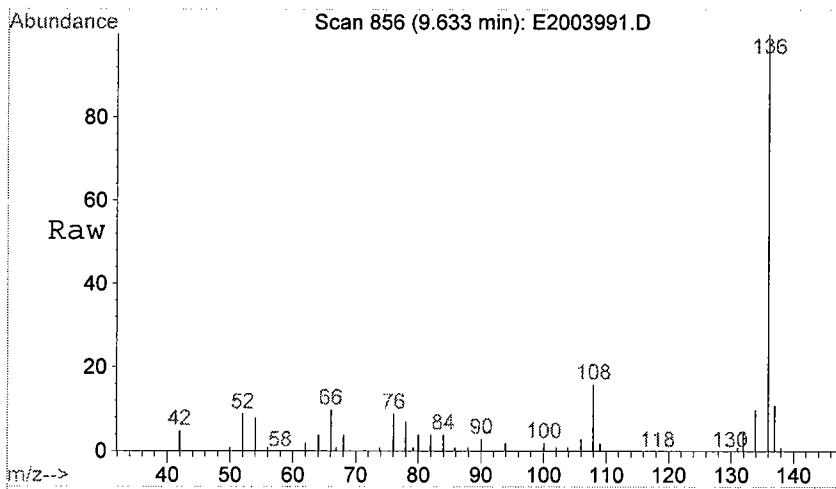
Tgt Ion: 99
 Sig Exp Ratio
 99 100
 71 59.2
 70 18.8



#19
 Nitrobenzene-d5
 Concen: 47.76 ug/mL
 RT: 8.74 min Scan# 706
 Delta R.T. -0.28 min
 Lab File: E2003991.D
 Acq: 23 Aug 2005 7:08 pm

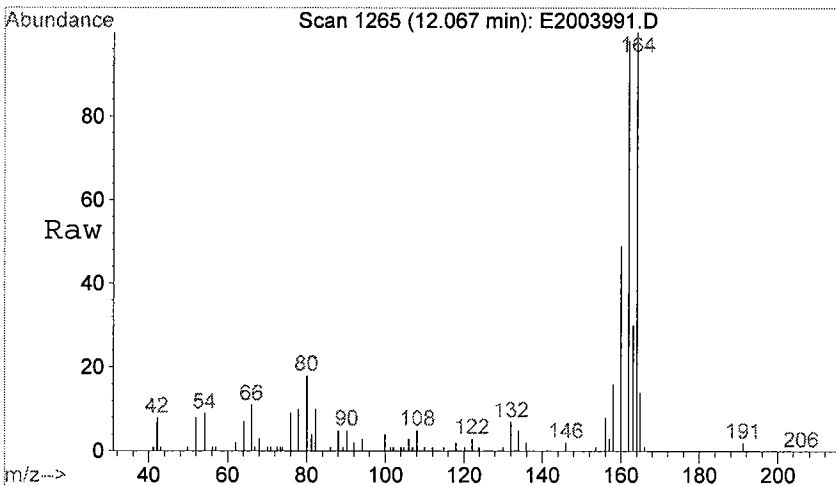
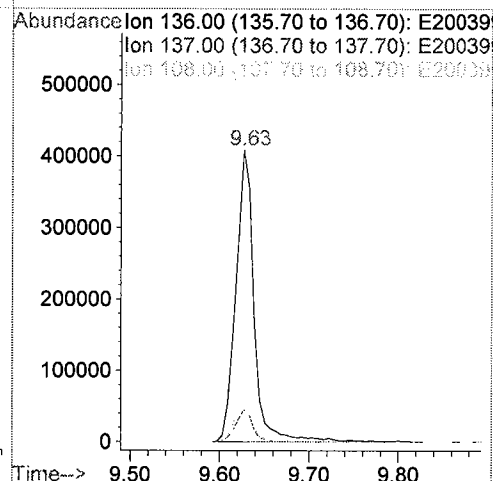
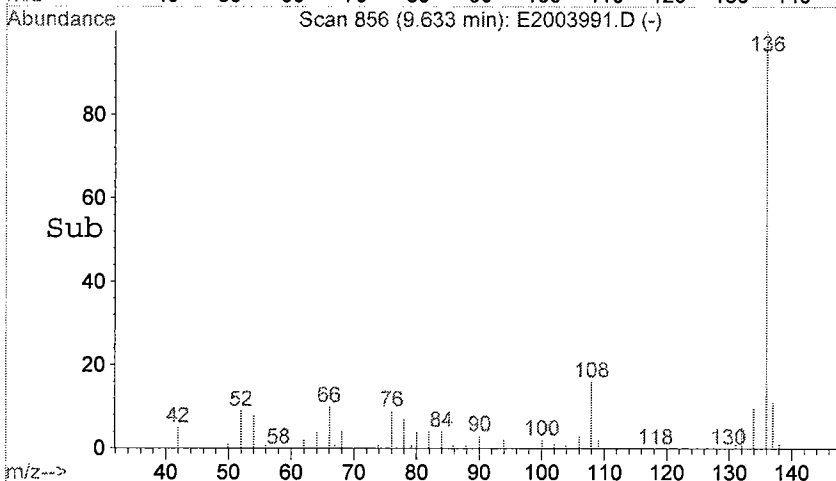
Tgt Ion: 82 Resp: 3075925
 Ion Ratio Lower Upper
 82 100
 54 62.0 46.8 70.2
 128 42.6 34.6 52.0





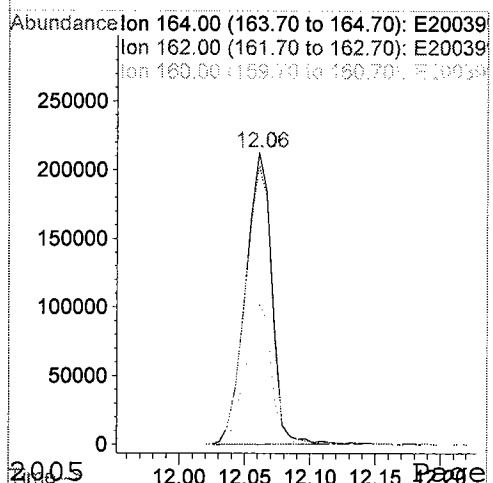
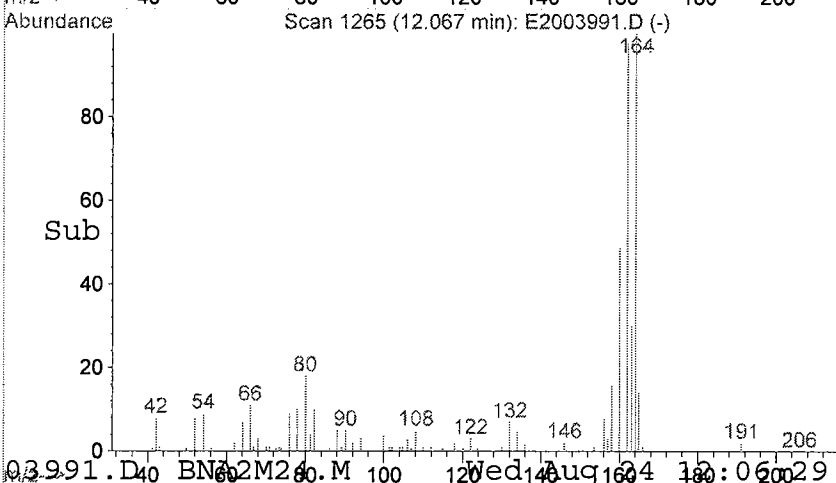
#21
Naphthalene-d8
Concen: 40.00 ug/mL
RT: 9.63 min Scan# 856
Delta R.T. -0.29 min
Lab File: E2003991.D
Acq: 23 Aug 2005 7:08 pm

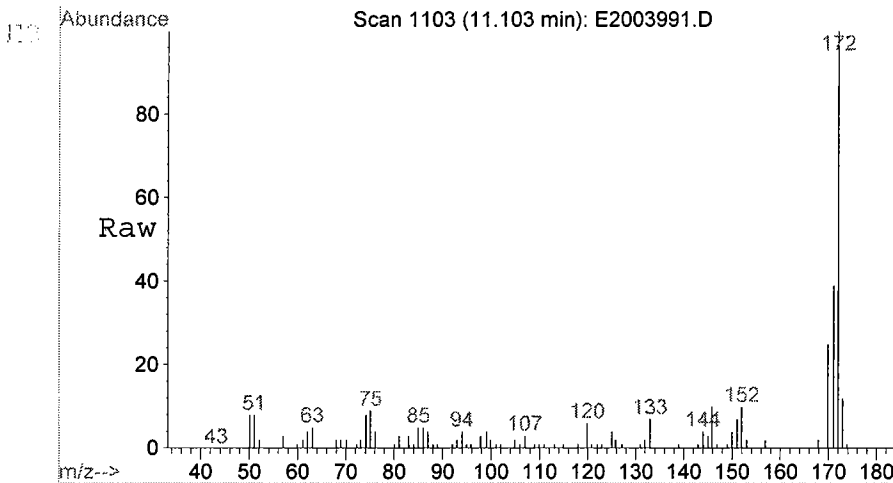
Tgt Ion:136 Resp: 5797219
Ion Ratio Lower Upper
136 100
137 10.3 5.4 16.1
108 16.3 8.3 24.8



#35
Acenaphthene-d10
Concen: 40.00 ug/mL
RT: 12.06 min Scan# 1265
Delta R.T. -0.30 min
Lab File: E2003991.D
Acq: 23 Aug 2005 7:08 pm

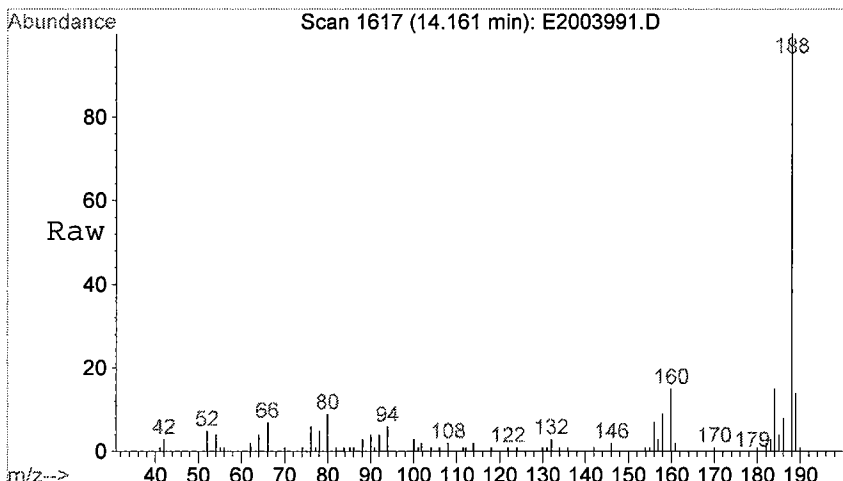
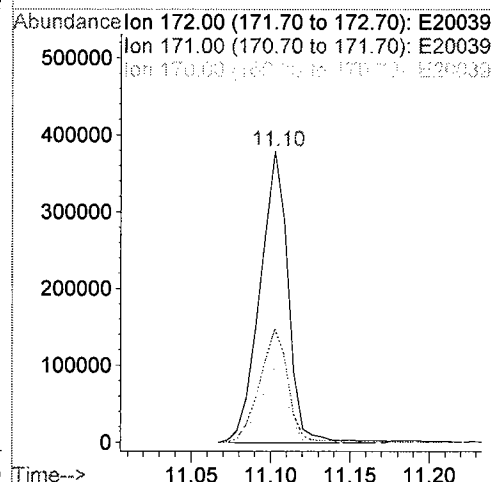
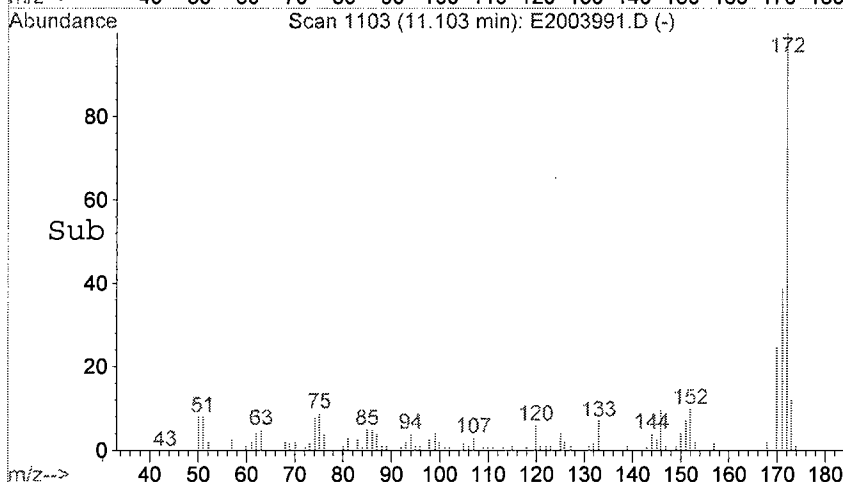
Tgt Ion:164 Resp: 2967062
Ion Ratio Lower Upper
164 100
162 96.3 48.6 145.8
160 46.1 22.0 66.0





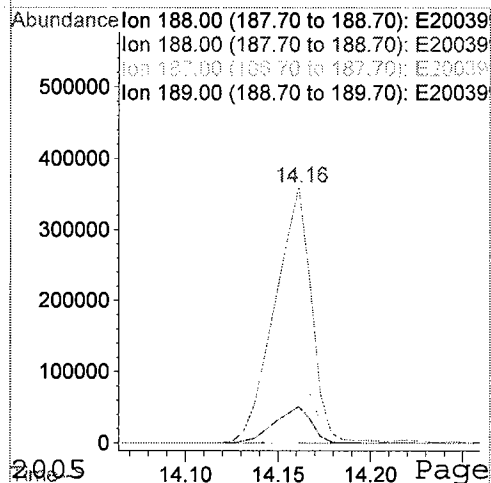
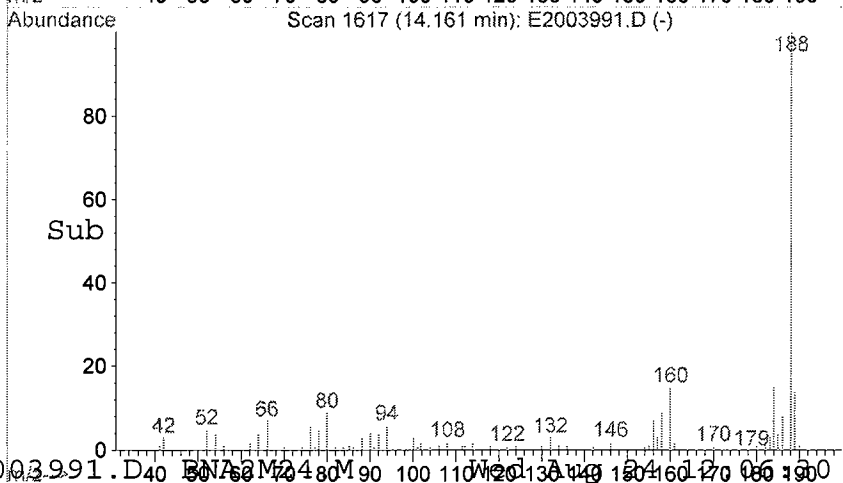
#38
 2-Fluorobiphenyl
 Concen: 48.44 ug/mL
 RT: 11.11 min Scan# 1103
 Delta R.T. -0.30 min
 Lab File: E2003991.D
 Acq: 23 Aug 2005 7:08 pm

Tgt Ion:172 Resp: 4675126
 Ion Ratio Lower Upper
 172 100
 171 39.5 31.2 46.8
 170 24.4 20.1 30.1

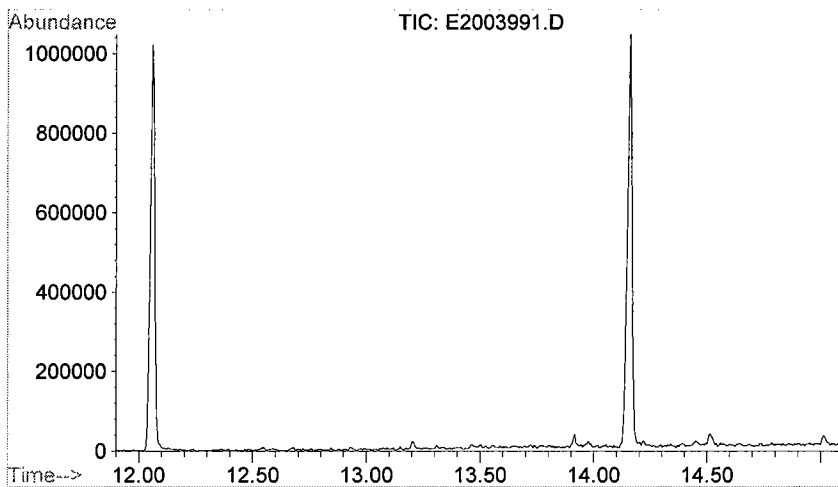


#57
 Phenanthrene-d10
 Concen: 40.00 ug/mL
 RT: 14.16 min Scan# 1617
 Delta R.T. -0.30 min
 Lab File: E2003991.D
 Acq: 23 Aug 2005 7:08 pm

Tgt Ion:188 Resp: 4964963
 Ion Ratio Lower Upper
 188 100
 188 100.0 80.0 120.0
 187 0.0 0.0 0.0
 189 0.0 0.0 0.0



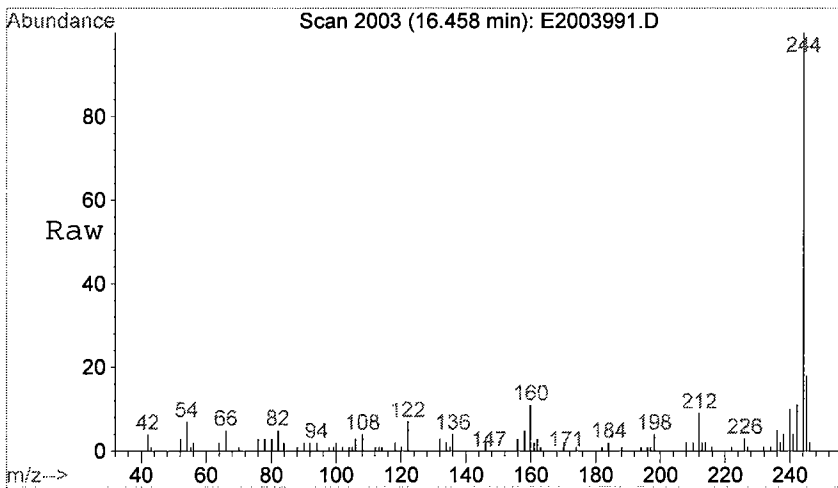
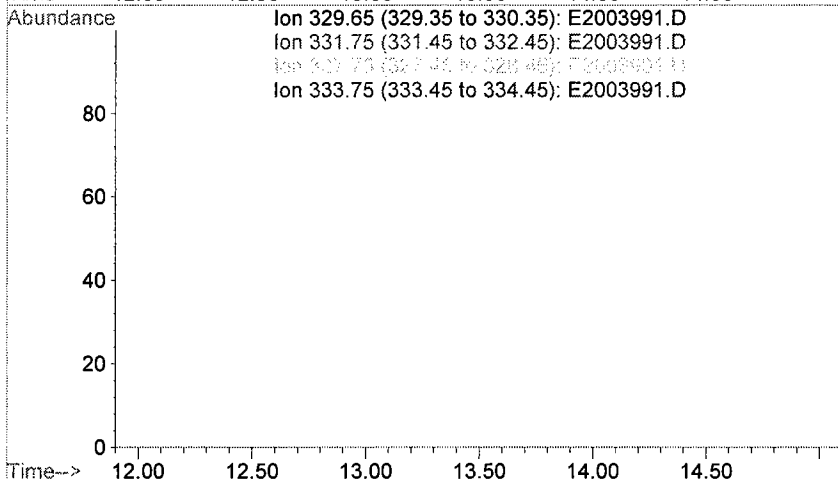
000389



#59
2,4,6-Tribromophenol
Concen: 0.00 ug/mL
Expected RT: 13.50 min

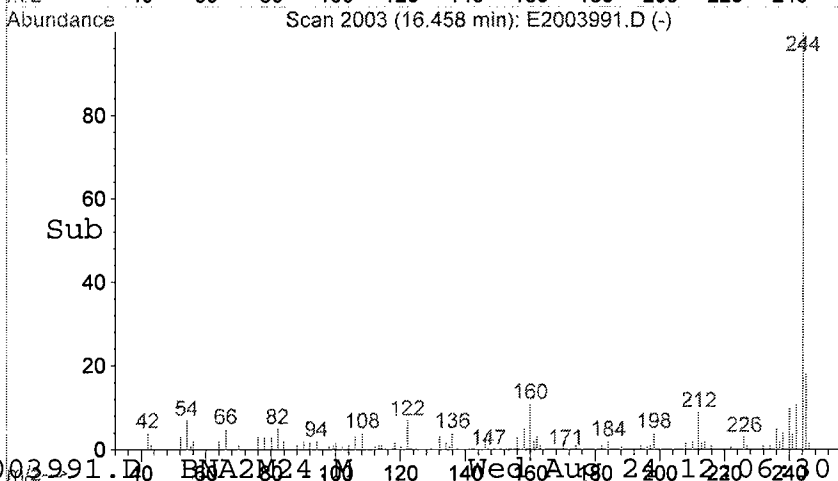
Lab File: E2003991.D
Acq: 23 Aug 2005 7:08 pm

Tgt Ion: 330
Sig Exp Ratio
330 100
332 98.7
328 34.1
334 31.6



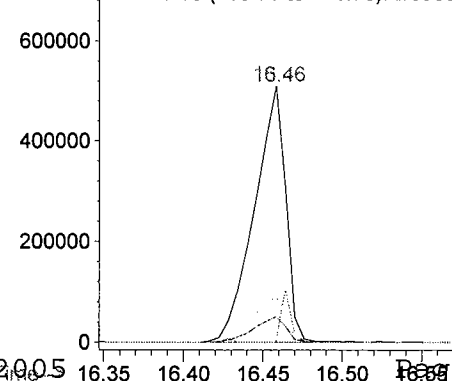
#70
Terphenyl-d14
Concen: 59.48 ug/mL
RT: 16.46 min Scan# 2003
Delta R.T. -0.28 min
Lab File: E2003991.D
Acq: 23 Aug 2005 7:08 pm

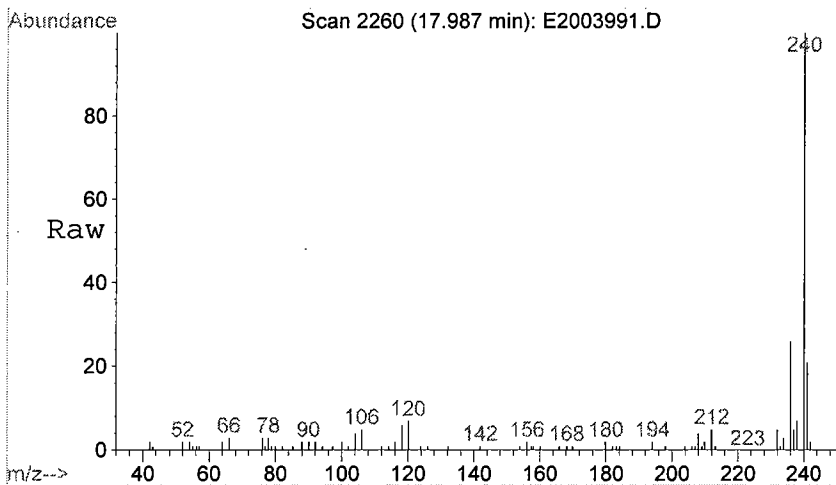
Tgt Ion: 244 Resp: 6938119
Ion Ratio Lower Upper
244 100
243 6.6 20.5 30.7#
245 19.0 15.7 23.5
240 10.2 7.7 11.5



Abundance

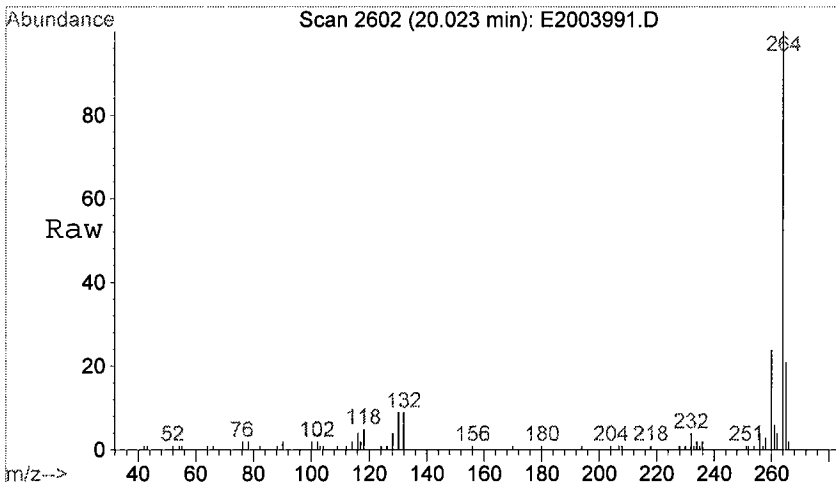
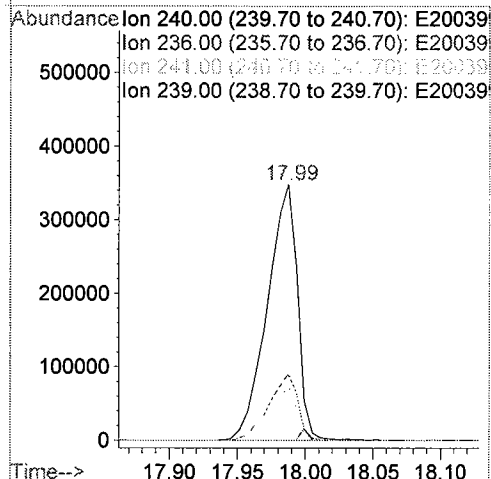
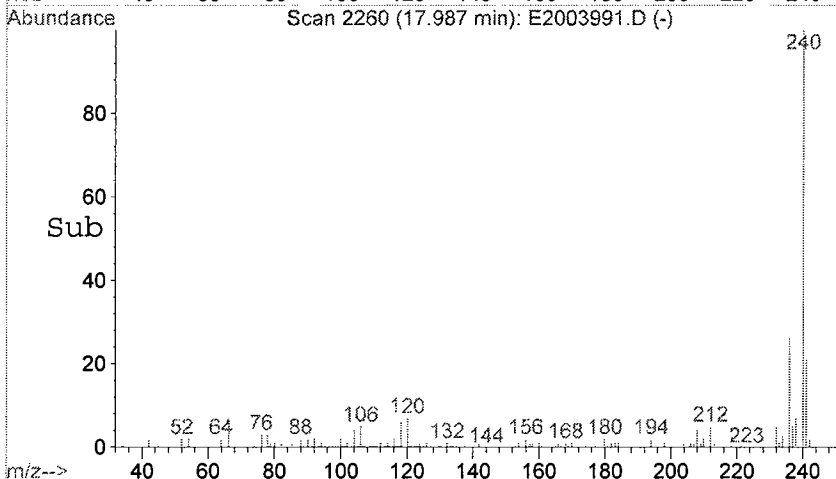
Ion 244.00 (243.70 to 244.70): E2003991.D
Ion 243.00 (242.70 to 243.70): E2003991.D
Ion 245.00 (244.70 to 245.70): E2003991.D
Ion 240.00 (239.70 to 240.70): E2003991.D





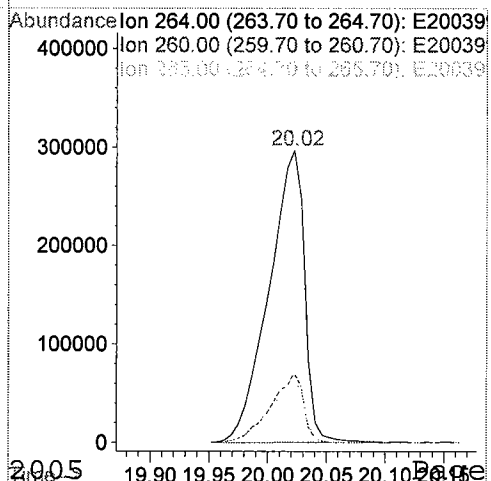
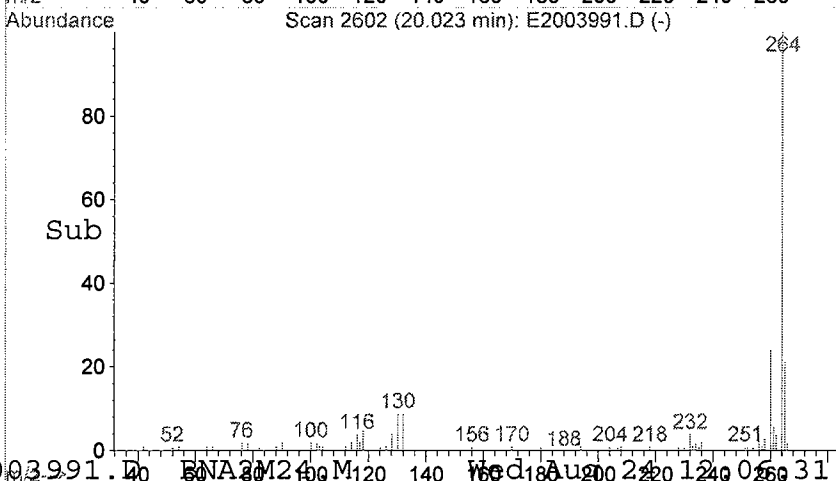
#75
 Chrysene-d12
 Concen: 40.00 ug/mL
 RT: 17.99 min Scan# 2260
 Delta R.T. -0.30 min
 Lab File: E2003991.D
 Acq: 23 Aug 2005 7:08 pm

Tgt Ion	Ratio	Lower	Upper
240	100		
236	24.9	12.2	36.6
241	19.1	9.9	29.6
239	1.1	0.2	0.6



#84
 Perylene-d12
 Concen: 40.00 ug/mL
 RT: 20.02 min Scan# 2602
 Delta R.T. -0.36 min
 Lab File: E2003991.D
 Acq: 23 Aug 2005 7:08 pm

Tgt Ion	Ratio	Lower	Upper
264	100		
260	21.9	11.0	32.9
265	20.9	9.8	29.4



Form 1-E
SEMIVOLATILES Tentatively Identified Compounds Data Sheet

Client Sample ID

WC-1 (5-10')

Sample Amount:	950 ML	Date Collected:	8/15/05	Sample Type:	WATER
Matrix:	WATER	Date Received:	8/17/05		
Dilution Factor:	1.00	Date Extracted:	8/22/05	SDG:	05080545
		Date Analyzed:	8/23/05	Lab ID:	05080545-09
		Level:	MEDIUM	Lab File ID:	E2003991.D

CONCENTRATION
UNITS: ug/L DRY

[illegible]

LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\E2003991.D

Vial: 5

Acq On : 23 Aug 2005 7:08 pm

Operator: SW

Sample : 05080545-09 \$BNEXT/TICW 950ML/1ML ASPB

Inst : GCMS BNA

Misc : QBSV2082305A

Multiplr: 1.05

MS Integration Params: LSCINT.e

Method : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)

Title : GC MS BNA 2 Semi Volatiles Calibration

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	4.622	8	14	16	BV	3969	39818	0.02%	0.010%
2	4.652	16	19	21	PV	3626	38062	0.02%	0.009%
3	4.676	21	23	29	VV 2	6484	93208	0.05%	0.023%
4	4.747	29	35	39	VV 2	4011	62525	0.03%	0.015%
5	4.789	39	42	45	PV	2635	30129	0.02%	0.007%
6	4.825	45	48	52	PV	1434	18597	0.01%	0.005%
7	4.860	52	54	56	VV	1291	7882	0.00%	0.002%
8	4.991	72	76	85	BV	2362	27032	0.01%	0.007%
9	5.057	85	87	89	PV	1718	10872	0.01%	0.003%
10	5.634	174	184	240	PV	6909931	185801282	100.00%	45.482%
11	5.985	240	243	247	VV	3293	48246	0.03%	0.012%
12	6.187	271	277	284	PV	3361	55876	0.03%	0.014%
13	6.241	284	286	288	VV	1716	11014	0.01%	0.003%
14	6.312	295	298	302	BV	2585	28695	0.02%	0.007%
15	6.824	382	384	387	VV	2206	18990	0.01%	0.005%
16	6.866	387	391	400	VV	2313	31670	0.02%	0.008%
17	7.086	421	428	431	PV	1683	20760	0.01%	0.005%
18	7.116	431	433	436	VV	2291	16377	0.01%	0.004%
19	7.211	447	449	456	VV	2897	32045	0.02%	0.008%
20	7.324	465	468	472	PV	1678	20294	0.01%	0.005%
21	7.354	472	473	478	PV	1832	14422	0.01%	0.004%
22	7.574	505	510	512	PV	1981	28921	0.02%	0.007%
23	7.598	512	514	516	VV	2507	21990	0.01%	0.005%
24	7.663	521	525	529	VV	5373	86191	0.05%	0.021%
25	7.699	529	531	534	VV	2405	25062	0.01%	0.006%
26	7.788	540	546	551	PV	2272	35977	0.02%	0.009%
27	7.996	570	581	609	PV	747058	11856166	6.38%	2.902%
28	8.211	609	617	623	VB	2088	48308	0.03%	0.012%
29	8.740	697	706	720	PV	688462	10081555	5.43%	2.468%
30	8.841	720	723	738	VV 2	4702	159883	0.09%	0.039%
31	9.020	751	753	758	VV 2	2585	30189	0.02%	0.007%
32	9.085	758	764	768	PV	5425	75227	0.04%	0.018%
33	9.323	794	804	807	PV	2568	41381	0.02%	0.010%
34	9.633	847	856	878	VV	966649	13943231	7.50%	3.413%

000393

35	9.942	906	908	911	PV	2332	18621	0.01%	0.005%
36	10.008	917	919	926	VV	2498	32749	0.02%	0.008%
37	10.502	996	1002	1010	PV	3180	52651	0.03%	0.013%
38	10.698	1033	1035	1037	VV	1862	11611	0.01%	0.003%
39	10.942	1072	1076	1087	VV 2	9389	163698	0.09%	0.040%
40	11.103	1095	1103	1111	VV	1351721	17324040	9.32%	4.241%
41	11.156	1111	1112	1125	VV 2	10450	262999	0.14%	0.064%
42	11.335	1139	1142	1145	PV 2	1882	16939	0.01%	0.004%
43	11.376	1145	1149	1153	PV 2	2033	31403	0.02%	0.008%
44	11.495	1167	1169	1173	VV 2	1842	28797	0.02%	0.007%
45	11.531	1173	1175	1179	VV 2	2263	20725	0.01%	0.005%
46	11.585	1179	1184	1187	PV 2	3111	39712	0.02%	0.010%
47	11.620	1187	1190	1192	PV 2	1859	20454	0.01%	0.005%
48	11.721	1204	1207	1211	VV 2	2068	32679	0.02%	0.008%
49	11.763	1211	1214	1215	VV	2362	25431	0.01%	0.006%
50	11.787	1215	1218	1222	VV	3431	52826	0.03%	0.013%
51	11.834	1222	1226	1228	VV	5179	53650	0.03%	0.013%
52	11.870	1228	1232	1236	VV	3798	75215	0.04%	0.018%
53	11.900	1236	1237	1245	VV	2783	56802	0.03%	0.014%
54	11.977	1249	1250	1254	VV	2622	31259	0.02%	0.008%
55	12.067	1254	1265	1274	VV	1001182	14224405	7.66%	3.482%
56	12.132	1274	1276	1281	VV 2	7636	136438	0.07%	0.033%
57	12.168	1281	1282	1284	VV 2	4445	37078	0.02%	0.009%
58	12.186	1284	1285	1290	VV 2	4597	71583	0.04%	0.018%
59	12.239	1290	1294	1298	VV 2	4020	68890	0.04%	0.017%
60	12.281	1298	1301	1304	VV 2	2729	42028	0.02%	0.010%
61	12.340	1308	1311	1313	VV 2	3784	61038	0.03%	0.015%
62	12.364	1313	1315	1322	VV 2	4953	99538	0.05%	0.024%
63	12.418	1322	1324	1331	VV	3014	63340	0.03%	0.016%
64	12.489	1331	1336	1341	VV	4485	109156	0.06%	0.027%
65	12.549	1341	1346	1349	VV	9562	142148	0.08%	0.035%
66	12.590	1349	1353	1358	VV 3	5693	125821	0.07%	0.031%
67	12.679	1363	1368	1379	VV 3	8864	236180	0.13%	0.058%
68	12.757	1379	1381	1385	VV 3	5450	78560	0.04%	0.019%
69	12.798	1385	1388	1390	VV 2	4461	65885	0.04%	0.016%
70	12.822	1390	1392	1394	VV 2	3199	27162	0.01%	0.007%
71	12.846	1394	1396	1400	VV 2	6679	77201	0.04%	0.019%
72	12.882	1400	1402	1404	VV 2	4366	40130	0.02%	0.010%
73	12.912	1404	1407	1409	VV 2	4786	56869	0.03%	0.014%
74	12.935	1409	1411	1415	VV 2	8525	119538	0.06%	0.029%
75	12.977	1415	1418	1427	VV 3	6384	173217	0.09%	0.042%
76	13.042	1427	1429	1431	VV	4580	53404	0.03%	0.013%
77	13.072	1431	1434	1436	VV 2	7493	98899	0.05%	0.024%
78	13.096	1436	1438	1440	VV 2	7273	73129	0.04%	0.018%
79	13.120	1440	1442	1444	VV	6460	72529	0.04%	0.018%
80	13.156	1444	1448	1450	VV 2	9499	108411	0.06%	0.027%

81	13.209	1450	1457	1463	VV	22973	428203	0.23%	0.105%
82	13.257	1463	1465	1467	VV	7547	84469	0.05%	0.021%
83	13.310	1467	1474	1476	VV 4	13057	248024	0.13%	0.061%
84	13.340	1476	1479	1482	VV 2	9031	143892	0.08%	0.035%
85	13.370	1482	1484	1486	VV	7074	80287	0.04%	0.020%
86	13.399	1486	1489	1491	VV 2	8568	127387	0.07%	0.031%
87	13.417	1491	1492	1494	VV 2	8600	77317	0.04%	0.019%
88	13.465	1494	1500	1504	VV 3	15565	342425	0.18%	0.084%
89	13.507	1504	1507	1509	VV 3	15295	179778	0.10%	0.044%
90	13.524	1509	1510	1513	VV	12468	141790	0.08%	0.035%
91	13.560	1513	1516	1520	VV 3	14227	250634	0.13%	0.061%
92	13.590	1520	1521	1528	VV 3	11925	272728	0.15%	0.067%
93	13.649	1528	1531	1537	VV 4	11957	342423	0.18%	0.084%
94	13.697	1537	1539	1541	VV 3	11869	125674	0.07%	0.031%
95	13.727	1541	1544	1548	VV 4	14941	295914	0.16%	0.072%
96	13.774	1548	1552	1555	VV 2	13718	277247	0.15%	0.068%
97	13.804	1555	1557	1563	VV 3	13522	298807	0.16%	0.073%
98	13.846	1563	1564	1568	VV 2	10413	162439	0.09%	0.040%
99	13.917	1568	1576	1580	VV 3	39025	699654	0.38%	0.171%
100	13.977	1580	1586	1590	VV 6	22775	551251	0.30%	0.135%
101	14.018	1590	1593	1595	VV 2	13635	181431	0.10%	0.044%
102	14.054	1595	1599	1601	VV 4	14353	238012	0.13%	0.058%
103	14.096	1601	1606	1609	VV 4	12613	279860	0.15%	0.069%
104	14.161	1609	1617	1625	VV	1013567	15598689	8.40%	3.818%
105	14.221	1625	1627	1630	VV 3	24318	291721	0.16%	0.071%
106	14.244	1630	1631	1633	VV	15570	178298	0.10%	0.044%
107	14.268	1633	1635	1637	VV 2	13166	164760	0.09%	0.040%
108	14.298	1637	1640	1641	VV 2	14747	174154	0.09%	0.043%
109	14.316	1641	1643	1653	VV 6	14146	522908	0.28%	0.128%
110	14.399	1653	1657	1659	VV 5	17782	316429	0.17%	0.077%
111	14.453	1659	1666	1670	VV 6	23940	644566	0.35%	0.158%
112	14.518	1670	1677	1683	VV	41333	1027870	0.55%	0.252%
113	14.566	1683	1685	1689	VV 5	18975	376182	0.20%	0.092%
114	14.602	1689	1691	1695	VV 2	16399	289259	0.16%	0.071%
115	14.649	1695	1699	1703	VV 4	17691	401365	0.22%	0.098%
116	14.691	1703	1706	1710	VV 4	16032	326452	0.18%	0.080%
117	14.738	1710	1714	1717	VV 4	18343	366774	0.20%	0.090%
118	14.786	1717	1722	1732	VV 6	19159	829064	0.45%	0.203%
119	14.863	1732	1735	1738	VV 5	17309	320923	0.17%	0.079%
120	14.905	1738	1742	1746	VV 6	17674	452835	0.24%	0.111%
121	14.941	1746	1748	1755	VV 5	17109	532683	0.29%	0.130%
122	15.018	1755	1761	1765	VV 2	37224	825676	0.44%	0.202%
123	15.054	1765	1767	1770	VV 3	16679	235546	0.13%	0.058%
124	15.078	1770	1771	1776	VV 4	17349	369149	0.20%	0.090%
125	15.125	1776	1779	1785	VV 5	17074	399501	0.22%	0.098%
126	15.197	1785	1791	1793	VV 3	19283	459030	0.25%	0.112%
127	15.220	1793	1795	1796	VV 2	18249	146761	0.08%	0.036%

128	15.238	1796	1798	1807	VV 7	17914	604813	0.33%	0.148%
129	15.339	1807	1815	1817	VV 3	19598	562063	0.30%	0.138%
130	15.357	1817	1818	1823	VV 4	19714	336713	0.18%	0.082%
131	15.399	1823	1825	1828	VV 3	17900	256558	0.14%	0.063%
132	15.423	1828	1829	1833	VV 3	15950	280873	0.15%	0.069%
133	15.470	1833	1837	1844	VV 7	17752	570832	0.31%	0.140%
134	15.524	1844	1846	1848	VV 3	22711	239226	0.13%	0.059%
135	15.542	1848	1849	1854	VV 4	19525	372766	0.20%	0.091%
136	15.625	1854	1863	1864	VV 4	17184	507857	0.27%	0.124%
137	15.655	1864	1868	1874	VV 7	19549	591609	0.32%	0.145%
138	15.702	1874	1876	1880	VV 3	16808	300143	0.16%	0.073%
139	15.738	1880	1882	1886	VV 3	14883	323907	0.17%	0.079%
140	15.780	1886	1889	1896	VV 5	16326	478232	0.26%	0.117%
141	15.839	1896	1899	1901	VV 4	22403	349600	0.19%	0.086%
142	15.857	1901	1902	1906	VV 2	19149	270848	0.15%	0.066%
143	15.899	1906	1909	1912	VV 3	18022	311468	0.17%	0.076%
144	15.928	1912	1914	1916	VV 3	17462	197917	0.11%	0.048%
145	15.952	1916	1918	1919	VV 2	15842	162450	0.09%	0.040%
146	15.970	1919	1921	1923	VV 3	17974	222509	0.12%	0.054%
147	15.988	1923	1924	1929	VV 5	16231	336427	0.18%	0.082%
148	16.042	1929	1933	1935	VV 5	16494	263432	0.14%	0.064%
149	16.065	1935	1937	1939	VV 3	19349	212842	0.11%	0.052%
150	16.095	1939	1942	1945	VV 3	30653	561970	0.30%	0.138%
151	16.137	1945	1949	1950	VV 3	19768	299030	0.16%	0.073%
152	16.155	1950	1952	1953	VV 2	18562	176216	0.09%	0.043%
153	16.172	1953	1955	1964	VV 5	23725	660569	0.36%	0.162%
154	16.238	1964	1966	1969	VV	18142	246619	0.13%	0.060%
155	16.262	1969	1970	1980	VV 5	15005	553041	0.30%	0.135%
156	16.339	1980	1983	1987	VV 4	16361	356626	0.19%	0.087%
157	16.381	1987	1990	1994	VV 3	15993	313809	0.17%	0.077%
158	16.458	1994	2003	2014	VV	1567943	24394269	13.13%	5.971%
159	16.535	2014	2016	2020	VV 5	19686	368516	0.20%	0.090%
160	16.571	2020	2022	2024	VV 2	16329	219420	0.12%	0.054%
161	16.601	2024	2027	2032	VV 3	19265	444088	0.24%	0.109%
162	16.637	2032	2033	2035	VV 2	15455	162249	0.09%	0.040%
163	16.678	2035	2040	2054	VV 8	17550	984216	0.53%	0.241%
164	16.803	2054	2061	2066	VV 7	18626	659915	0.36%	0.162%
165	16.845	2066	2068	2072	VV 4	16342	313837	0.17%	0.077%
166	16.892	2072	2076	2078	VV 3	18866	361369	0.19%	0.088%
167	16.952	2078	2086	2090	VV 8	19172	710386	0.38%	0.174%
168	16.988	2090	2092	2094	VV 2	19347	197531	0.11%	0.048%
169	17.011	2094	2096	2098	VV 3	15722	195818	0.11%	0.048%
170	17.035	2098	2100	2104	VV 3	17911	352600	0.19%	0.086%
171	17.119	2104	2114	2131	VV 3	146775	3881557	2.09%	0.950%
172	17.226	2131	2132	2135	VV	18751	264547	0.14%	0.065%
173	17.291	2135	2143	2147	VV 4	25440	778523	0.42%	0.191%
174	17.327	2147	2149	2154	VV 3	17452	359793	0.19%	0.088%

175	17.386	2154	2159	2162	VV 4	16520	397533	0.21%	0.097%
176	17.416	2162	2164	2165	VV 2	18296	223863	0.12%	0.055%
177	17.434	2165	2167	2176	VV 5	18568	578475	0.31%	0.142%
178	17.505	2176	2179	2191	VV 7	22988	947200	0.51%	0.232%
179	17.613	2191	2197	2204	VV 7	20544	824273	0.44%	0.202%
180	17.666	2204	2206	2208	VV 2	22869	225130	0.12%	0.055%
181	17.690	2208	2210	2216	VV 5	22265	647292	0.35%	0.158%
182	17.779	2221	2225	2228	VV 3	20089	417813	0.22%	0.102%
183	17.809	2228	2230	2231	VV	18361	198487	0.11%	0.049%
184	17.833	2231	2234	2242	VV 6	21997	647172	0.35%	0.158%
185	17.904	2242	2246	2249	VV 4	20479	455649	0.25%	0.112%
186	17.987	2249	2260	2272	VV	980306	16850295	9.07%	4.125%
187	18.077	2272	2275	2280	VV 6	24939	588715	0.32%	0.144%
188	18.118	2280	2282	2286	VV 3	21121	399339	0.21%	0.098%
189	18.154	2286	2288	2290	VV 3	20739	227828	0.12%	0.056%
190	18.184	2290	2293	2295	VV 4	18485	312868	0.17%	0.077%
191	18.214	2295	2298	2300	VV 3	21626	319926	0.17%	0.078%
192	18.279	2300	2309	2312	VV 4	21746	783001	0.42%	0.192%
193	18.368	2312	2324	2327	VV 7	22111	949434	0.51%	0.232%
194	18.422	2327	2333	2342	VV 8	23030	869942	0.47%	0.213%
195	18.487	2342	2344	2349	VV 4	18893	436298	0.23%	0.107%
196	18.529	2349	2351	2356	VV 4	20770	377654	0.20%	0.092%
197	18.571	2356	2358	2361	VV 3	18942	314020	0.17%	0.077%
198	18.606	2361	2364	2367	VV 3	18307	355349	0.19%	0.087%
199	18.648	2367	2371	2375	VV 5	21213	537838	0.29%	0.132%
200	18.690	2375	2378	2380	VV 2	22739	363400	0.20%	0.089%
201	18.707	2380	2381	2388	VV 4	20130	449020	0.24%	0.110%
202	18.785	2388	2394	2396	VV 5	22734	532810	0.29%	0.130%
203	18.809	2396	2398	2405	VV 6	21031	569247	0.31%	0.139%
204	18.862	2405	2407	2409	VV 3	21884	255138	0.14%	0.062%
205	18.886	2409	2411	2414	VV 3	21739	308768	0.17%	0.076%
206	18.916	2414	2416	2418	VV 2	18776	228827	0.12%	0.056%
207	18.951	2418	2422	2424	VV 5	19491	377396	0.20%	0.092%
208	18.999	2424	2430	2440	VV	389500	6023607	3.24%	1.474%
209	19.070	2440	2442	2446	VV 5	29682	497068	0.27%	0.122%
210	19.118	2446	2450	2451	VV 3	22028	388906	0.21%	0.095%
211	19.154	2451	2456	2459	VV 5	24104	577893	0.31%	0.141%
212	19.183	2459	2461	2463	VV 3	19040	197655	0.11%	0.048%
213	19.213	2463	2466	2470	VV 4	19762	424386	0.23%	0.104%
214	19.249	2470	2472	2476	VV 5	18603	312910	0.17%	0.077%
215	19.308	2476	2482	2489	VV 6	20622	807500	0.43%	0.198%
216	19.368	2489	2492	2497	VV 6	19738	446208	0.24%	0.109%
217	19.410	2497	2499	2502	VV 4	16364	250469	0.13%	0.061%
218	19.457	2502	2507	2509	VV 4	20107	413457	0.22%	0.101%
219	19.481	2509	2511	2514	VV 3	14495	215321	0.12%	0.053%
220	19.535	2514	2520	2527	VV 6	19524	714149	0.38%	0.175%

221	19.588	2527	2529	2531	VV 3	15001	198902	0.11%	0.049%
222	19.624	2531	2535	2536	VV 3	14784	239950	0.13%	0.059%
223	19.648	2536	2539	2544	VV 4	18079	376525	0.20%	0.092%
224	19.689	2544	2546	2549	VV 2	15967	252381	0.14%	0.062%
225	19.719	2549	2551	2553	VV 3	15142	158729	0.09%	0.039%
226	19.743	2553	2555	2560	VV 4	13442	297275	0.16%	0.073%
227	19.784	2560	2562	2564	VV 3	13741	180867	0.10%	0.044%
228	19.808	2564	2566	2568	VV 2	15590	207794	0.11%	0.051%
229	19.862	2568	2575	2581	VV 7	15459	571249	0.31%	0.140%
230	19.921	2581	2585	2590	VV 5	18103	422820	0.23%	0.104%
231	20.023	2590	2602	2609	VV	757448	16787894	9.04%	4.109%
232	20.076	2609	2611	2613	VV 3	17088	220749	0.12%	0.054%
233	20.106	2613	2616	2618	VV 3	17538	240033	0.13%	0.059%
234	20.130	2618	2620	2623	VV 3	15540	193178	0.10%	0.047%
235	20.159	2623	2625	2627	VV 2	15397	188179	0.10%	0.046%
236	20.207	2627	2633	2646	VV 6	14576	770323	0.41%	0.189%
237	20.296	2646	2648	2653	VV 5	11754	235487	0.13%	0.058%
238	20.338	2653	2655	2658	VV 2	12651	187665	0.10%	0.046%
239	20.368	2658	2660	2662	VV	14135	130124	0.07%	0.032%
240	20.397	2662	2665	2669	VV 5	13510	292178	0.16%	0.072%
241	20.433	2669	2671	2676	VV 3	10892	215988	0.12%	0.053%
242	20.499	2676	2682	2689	VV 8	10931	436995	0.24%	0.107%
243	20.552	2689	2691	2692	VV 2	10441	103133	0.06%	0.025%
244	20.576	2692	2695	2702	VV 6	12974	367289	0.20%	0.090%
245	20.629	2702	2704	2706	VV 3	11063	127068	0.07%	0.031%
246	20.653	2706	2708	2713	VV 3	9981	203824	0.11%	0.050%
247	20.695	2713	2715	2717	VV 2	9208	121060	0.07%	0.030%
248	20.725	2717	2720	2723	VV 2	12174	174127	0.09%	0.043%
249	20.754	2723	2725	2727	VV 3	13378	162271	0.09%	0.040%
250	20.772	2727	2728	2736	VV 5	12554	284395	0.15%	0.070%
251	20.832	2736	2738	2745	VV 4	9755	251267	0.14%	0.062%
252	20.879	2745	2746	2748	VV 2	8285	93736	0.05%	0.023%
253	20.951	2751	2758	2761	VV 4	8512	236902	0.13%	0.058%
254	20.981	2761	2763	2765	VV 2	8755	82284	0.04%	0.020%
255	21.022	2765	2770	2771	VV 3	8364	156668	0.08%	0.038%
256	21.052	2771	2775	2777	VV 3	10844	158317	0.09%	0.039%
257	21.076	2777	2779	2783	VV 2	7675	137237	0.07%	0.034%
258	21.111	2783	2785	2787	VV 3	7753	83375	0.04%	0.020%
259	21.141	2787	2790	2793	VV 2	8577	166225	0.09%	0.041%
260	21.177	2793	2796	2800	VV 3	10278	187387	0.10%	0.046%
261	21.242	2800	2807	2810	VV 5	9681	251383	0.14%	0.062%
262	21.290	2810	2815	2822	VV 7	10085	315025	0.17%	0.077%
263	21.355	2822	2826	2829	VV 3	8238	145928	0.08%	0.036%
264	21.391	2829	2832	2834	VV 2	8407	115629	0.06%	0.028%
265	21.415	2834	2836	2838	VV 2	7536	91293	0.05%	0.022%
266	21.445	2838	2841	2844	VV 2	9135	123458	0.07%	0.030%
267	21.469	2844	2845	2847	VV	5806	46087	0.02%	0.011%

268	21.504	2847	2851	2853	VV 4	8415	123218	0.07%	0.030%
269	21.546	2853	2858	2861	VV 4	9741	194123	0.10%	0.048%
270	21.576	2861	2863	2865	VV 3	8633	83386	0.04%	0.020%
271	21.617	2865	2870	2873	VV 4	8353	156555	0.08%	0.038%
272	21.671	2873	2879	2884	VV 2	8516	220602	0.12%	0.054%
273	21.712	2884	2886	2891	VV 4	6549	125572	0.07%	0.031%
274	21.778	2891	2897	2900	VV 3	8804	175964	0.09%	0.043%
275	21.814	2900	2903	2916	VV 4	6241	280355	0.15%	0.069%
276	21.903	2916	2918	2921	VV 3	8596	102343	0.06%	0.025%
277	21.933	2921	2923	2927	VV 2	7666	111020	0.06%	0.027%
278	21.998	2927	2934	2937	VV 4	6443	157555	0.08%	0.039%
279	22.028	2937	2939	2943	VV 2	7436	128070	0.07%	0.031%
280	22.064	2943	2945	2954	VV 4	5789	177299	0.10%	0.043%
281	22.147	2954	2959	2963	VV 3	8384	152137	0.08%	0.037%
282	22.189	2963	2966	2968	VV 3	7139	113593	0.06%	0.028%
283	22.212	2968	2970	2971	VV 2	4860	46313	0.02%	0.011%
284	22.230	2971	2973	2975	VV	6183	55468	0.03%	0.014%
285	22.272	2978	2980	2981	VV 2	6142	50332	0.03%	0.012%
286	22.296	2981	2984	2986	VV 3	6250	77668	0.04%	0.019%
287	22.313	2986	2987	2991	VV 2	6716	84832	0.05%	0.021%
288	22.349	2991	2993	2995	VV 3	4454	52981	0.03%	0.013%
289	22.397	2995	3001	3003	VV 3	9831	123938	0.07%	0.030%
290	22.421	3003	3005	3006	VV	4477	37373	0.02%	0.009%
291	22.444	3006	3009	3011	VV 2	4082	60908	0.03%	0.015%
292	22.468	3011	3013	3015	VV 3	5365	53064	0.03%	0.013%
293	22.492	3015	3017	3022	VV 4	5806	103144	0.06%	0.025%
294	22.540	3022	3025	3026	VV 2	4992	61585	0.03%	0.015%
295	22.587	3026	3033	3036	VV 3	7104	156778	0.08%	0.038%
296	22.617	3036	3038	3041	VV 3	4797	45148	0.02%	0.011%
297	22.641	3041	3042	3046	PV 2	3326	35841	0.02%	0.009%
298	22.682	3046	3049	3050	VV 2	3131	36256	0.02%	0.009%
299	22.736	3050	3058	3068	VV 4	6875	226997	0.12%	0.056%
300	22.825	3068	3073	3077	VV 3	4551	103389	0.06%	0.025%
301	22.867	3077	3080	3092	VV 4	4794	140505	0.08%	0.034%
302	22.974	3092	3098	3107	PV 5	3099	76632	0.04%	0.019%
303	23.045	3107	3110	3112	VV 3	2589	31434	0.02%	0.008%

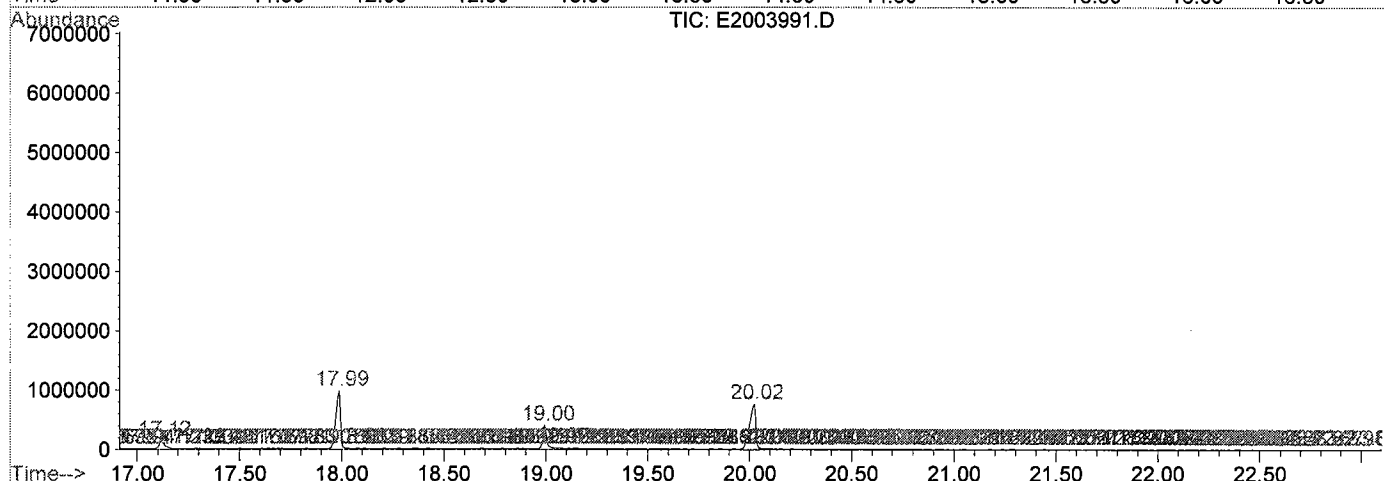
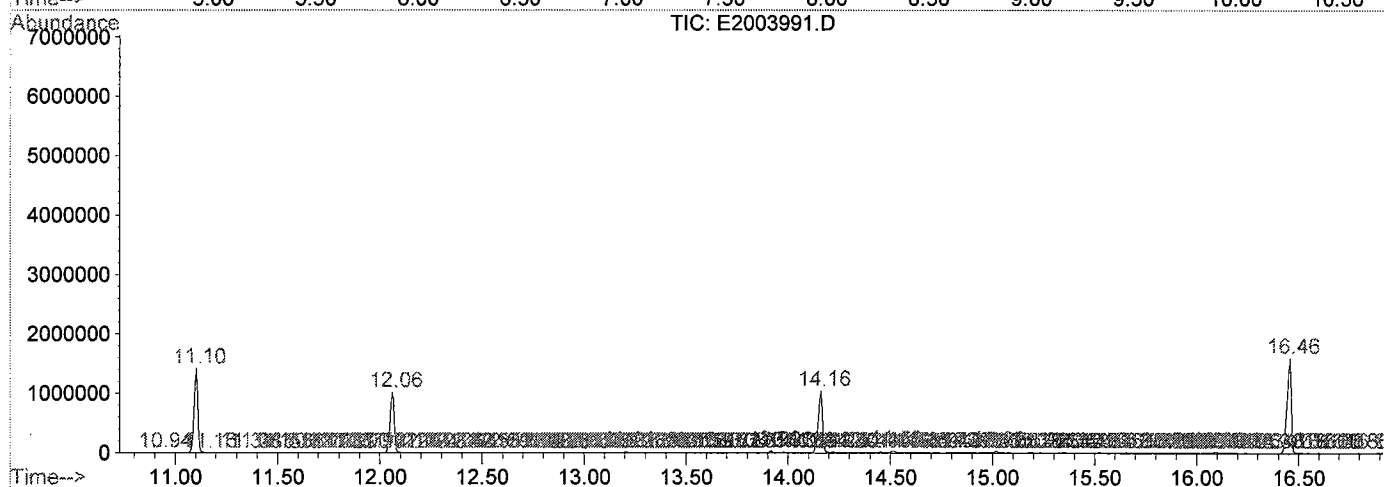
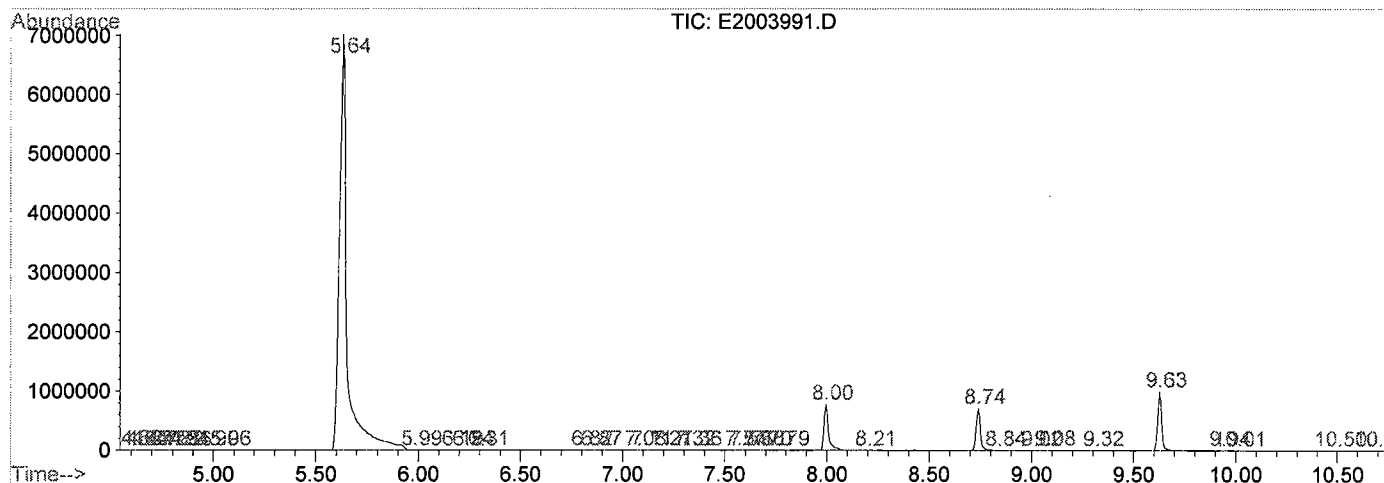
Sum of corrected areas: 408519107

E2003991.D BNA2M24.M Wed Aug 24 11:05:45 2005

000399

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\E2003991.D
 Operator : SW
 Acquired : 23 Aug 2005 7:08 pm using AcqMethod BNA2M24
 Instrument : GCMS BNA
 Sample Name: 05080545-09 \$BNEXT/TICW 950ML/1ML ASPB
 Misc Info : QBSV2082305A
 Vial Number: 5
 Quant File :BNA2M24.RES (Chemstation Integrator)



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\E2003991.D

Acq On : 23 Aug 2005 7:08 pm

Sample : 05080545-09 \$BNEXT/TICW 950ML/1ML ASPB

Misc : QBSV2082305A

MS Integration Params: LSCINT.e

Vial: 5

Operator: SW

Inst : GCMS BNA

Multiplr: 1.05

Quant Method : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)

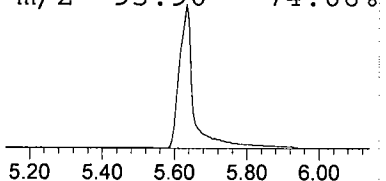
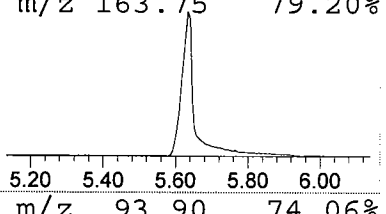
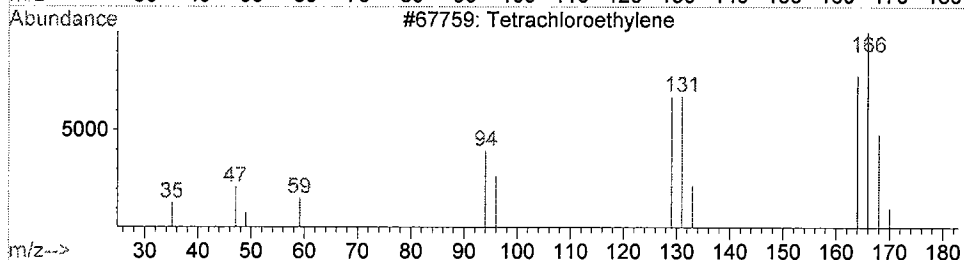
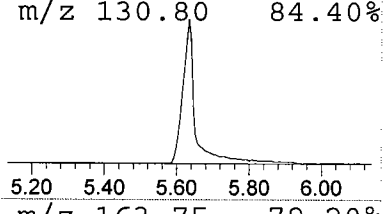
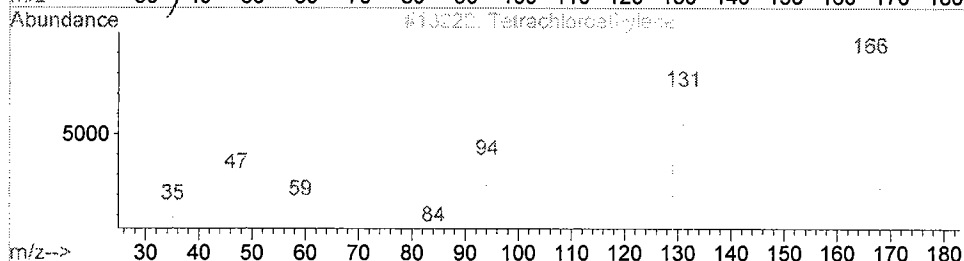
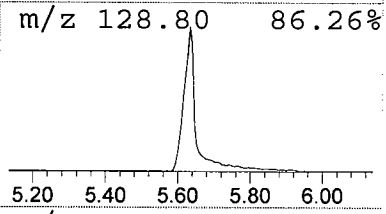
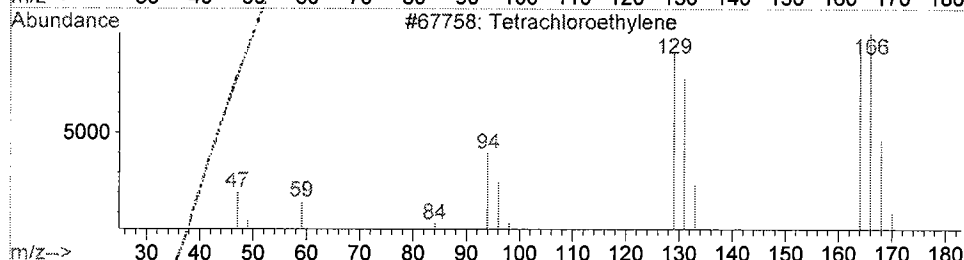
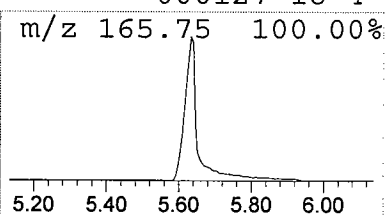
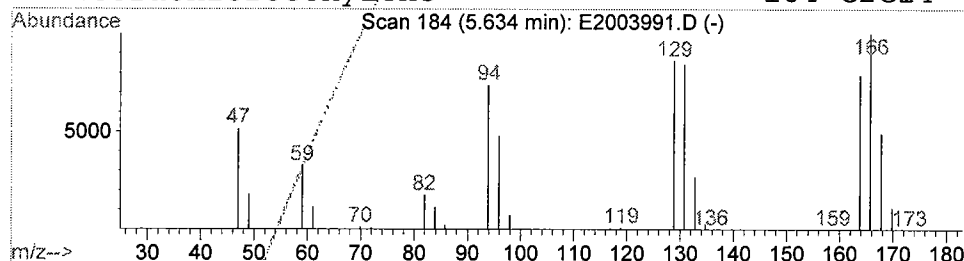
Title : GC MS BNA 2 Semi Volatiles Calibration

Library : C:\DATABASE\NBS75K.L

Peak Number 1 Tetrachloroethylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.64	658.19 ug/mL	185801000	1,4-Dichlorobenzene-d4	8.00

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetrachloroethylene	164	C2Cl4	000127-18-4	98
2			Tetrachloroethylene	164	C2Cl4	000127-18-4	97
3			Tetrachloroethylene	164	C2Cl4	000127-18-4	96
4			Tetrachloroethylene	164	C2Cl4	000127-18-4	94



Tentatively Identified Compound (LSC) summary

Operator ID: SW Date Acquired: 23 Aug 2005 7:08 pm
 Data File: C:\HPCHEM\1\DATA\E2003991.D
 Name: 05080545-09 \$BNEXT/TICW 950ML/1ML ASPB
 Misc: QBSV2082305A
 Method: C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)
 Title: GC MS BNA 2 Semi Volatiles Calibration
 Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc Units	Area	IntStd	ISRT	ISArea	ISConc
Tetrachloroethylene	5.64	658.2 ug/mL	185801000	ISTD01	8.00	11856200	40.
9-Octadecenamide, (Z	17.12	9.7 ug/mL	3881560	ISTD05	17.99	16850300	40.0
Hexadecanamide	19.00	15.0 ug/mL	6023610	ISTD05	17.99	16850300	40.0

E2003991.D BNA2M24.M Wed Aug 24 11:05:49 2005
 Op:
 Dat:
 Nam:
 Mis:
 Met:
 Tit:
 Lib:

T:

 Tet
 9-O
 Hex

E:
 Op:
 Dat:
 Nam:
 Mis:
 Met:
 Tit:
 Lib:

T:

 Tet
 9-O
 Hex

E:
 Op:
 Dat:
 Nam:
 Mis:
 Met:
 Tit:
 Lib:

000402

Form 1
SEMIVOLATILE Organics Analysis Data Sheet- EPA 8270

Client Sample ID

WC-1 (20-25')

Sample Amount:	950 ml	Date Collected:	8/15/05	Sample Type:	WATER
Matrix:	WATER	Date Received:	8/17/05		
Dilution Factor	1.00	Date Extracted:	08/22/05	SDG:	05080545
Conc. Extract Vol.:	1000 ul	Date Analyzed:	08/23/05	Lab ID:	05080545-10
Injection Volume:	1.0 ul	Level:	LOW	Lab File ID:	E2003992.D
GPC Cleanup:	N				

CONCENTRATION
UNITS: **ug/L**

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
WC-1 (20-25')	05080545-10	Acenaphthene	10 U
WC-1 (20-25')	05080545-10	Acenaphthylene	10 U
WC-1 (20-25')	05080545-10	Anthracene	10 U
WC-1 (20-25')	05080545-10	Benzo(a)anthracene	10 U
WC-1 (20-25')	05080545-10	Benzo(b)fluoranthene	10 U
WC-1 (20-25')	05080545-10	Benzo(k)fluoranthene	10 U
WC-1 (20-25')	05080545-10	Benzo(g,h,i)perylene	10 U
WC-1 (20-25')	05080545-10	Benzo(a)pyrene	10 U
WC-1 (20-25')	05080545-10	Bis(2-chloroethoxy)methane	10 U
WC-1 (20-25')	05080545-10	Bis(2-chloroethyl)ether	10 U
WC-1 (20-25')	05080545-10	Bis(2-chloroisopropyl)ether	10 U
WC-1 (20-25')	05080545-10	Bis(2-ethylhexyl)phthalate	10 U
WC-1 (20-25')	05080545-10	4-Bromophenyl phenyl ether	10 U
WC-1 (20-25')	05080545-10	Butyl benzyl phthalate	10 U
WC-1 (20-25')	05080545-10	4-Chloroaniline	10 U
WC-1 (20-25')	05080545-10	2-Chloronaphthalene	10 U
WC-1 (20-25')	05080545-10	4-Chlorophenyl phenyl ether	10 U
WC-1 (20-25')	05080545-10	Chrysene	10 U
WC-1 (20-25')	05080545-10	Dibenzo(a,h)anthracene	10 U
WC-1 (20-25')	05080545-10	Dibenzofuran	10 U
WC-1 (20-25')	05080545-10	Di-n-butylphthalate	10 U
WC-1 (20-25')	05080545-10	1,3-Dichlorobenzene	10 U
WC-1 (20-25')	05080545-10	1,4-Dichlorobenzene	10 U
WC-1 (20-25')	05080545-10	1,2-Dichlorobenzene	10 U
WC-1 (20-25')	05080545-10	3,3'-Dichlorobenzidine	10 U
WC-1 (20-25')	05080545-10	Diethylphthalate	10 U
WC-1 (20-25')	05080545-10	Dimethylphthalate	10 U
WC-1 (20-25')	05080545-10	2,4-Dinitrotoluene	10 U
WC-1 (20-25')	05080545-10	2,6-Dinitrotoluene	10 U
WC-1 (20-25')	05080545-10	Di-n-octylphthalate	10 U
WC-1 (20-25')	05080545-10	Fluoranthene	10 U
WC-1 (20-25')	05080545-10	Fluorene	10 U
WC-1 (20-25')	05080545-10	Hexachlorobenzene	10 U

Form 1
SEMIVOLATILE Organics Analysis Data Sheet- EPA 8270

Client Sample ID

WC-1 (20-25')

CONCENTRATION UNITS: **ug/L**

[illegible]

Data File : C:\HPCHEM\1\DATA\E2003992.D

Vial: 6

Acq On : 23 Aug 2005 7:41 pm

Operator: SW

Sample : 05080545-10 \$BNEXT/TICW 950ML/1ML ASPB

Inst : GCMS BNA

Misc : QBSV2082305A

Multiplr: 1.05

MS Integration Params: events.e

Quant Time: Aug 24 12:07 19105

Quant Results File: BNA2M24.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)

Title : GC MS BNA 2 Semi Volatiles Calibration

Last Update : Thu Jul 28 14:39:42 2005

Response via : Initial Calibration

DataAcq Meth : BNA2M24

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	1585037	40.00	ug/mL	-0.28
21) Naphthalene-d8	9.63	136	5860408	40.00	ug/mL	-0.29
35) Acenaphthene-d10	12.06	164	3074579	40.00	ug/mL	-0.30
57) Phenanthrene-d10	14.16	188	5322562	40.00	ug/mL	-0.30
75) Chrysene-d12	17.99	240	5481483	40.00	ug/mL	-0.30
84) Perylene-d12	20.02	264	6074886	40.00	ug/mL	-0.36

System Monitoring Compounds

4) 2-Fluorophenol	0.00	112	0	0.00	ug/mL	
Spiked Amount	200.000	Range	15 - 87	Recovery	=	0.00%#
5) Phenol-d5	0.00	99	0	0.00	ug/mL	
Spiked Amount	200.000	Range	10 - 100	Recovery	=	0.00%#
19) Nitrobenzene-d5	8.74	82	3128647	48.42	ug/mL	-0.28
Spiked Amount	100.000	Range	26 - 120	Recovery	=	48.42%
38) 2-Fluorobiphenyl	11.11	172	4916272	49.15	ug/mL	-0.30
Spiked Amount	100.000	Range	29 - 120	Recovery	=	49.15%
59) 2,4,6-Tribromophenol	0.00	330	0	0.00	ug/mL	
Spiked Amount	200.000	Range	35 - 126	Recovery	=	0.00%#
70) Terphenyl-d14	16.46	244	7225529	57.78	ug/mL	-0.29
Spiked Amount	100.000	Range	35 - 127	Recovery	=	57.78%

Target Compounds

Qvalue

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

E2003992.D BNA2M24.M Wed Aug 24 12:07:21 2005

Page 1

000405

DATA File : C:\HPCHEM\1\DATA\E2003992.D

Acq On : 23 Aug 2005 7:41 pm

Sample : 05080545-10 \$BNEXT/TICW 950ML/1ML ASPB

Misc : QBSV2082305A

MS Integration Params: events.e

Quant Time: Aug 24 12:07 19105

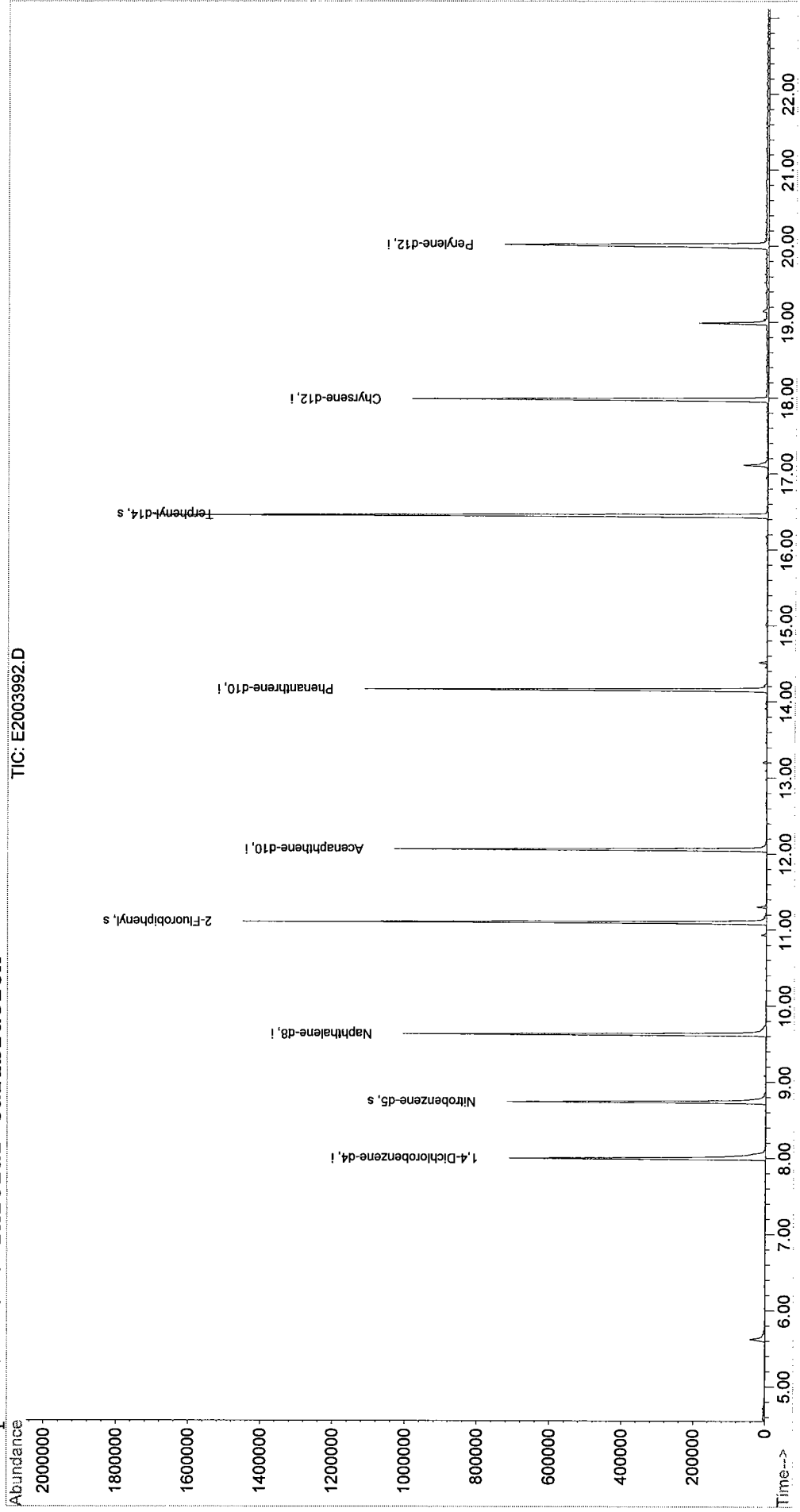
Quant Results File: BNA2M24.RES

Method : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)

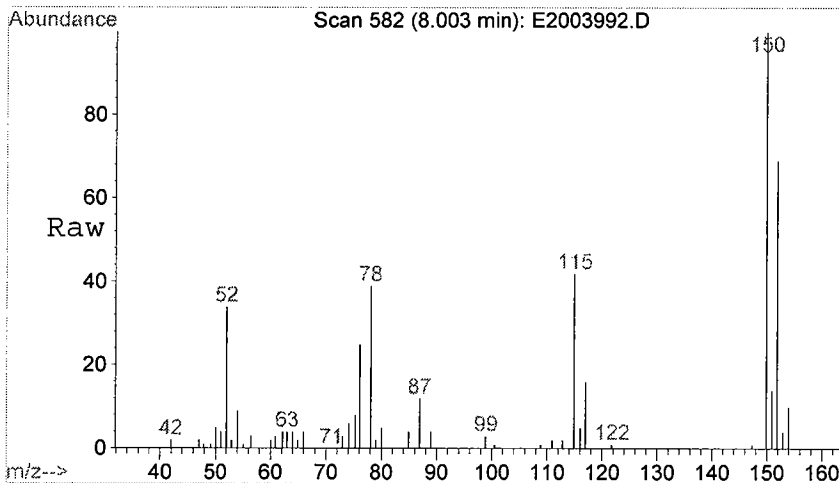
Title : GC MS BNA 2 Semi Volatiles Calibration

Last Update : Thu Jul 28 14:39:42 2005

Response via : Initial Calibration



000406



#1

1,4-Dichlorobenzene-d4

Concen: 40.00 ug/mL

RT: 8.00 min Scan# 582

Delta R.T. -0.28 min

Lab File: E2003992.D

Acq: 23 Aug 2005 7:41 pm

Tgt Ion:152 Resp: 1585037

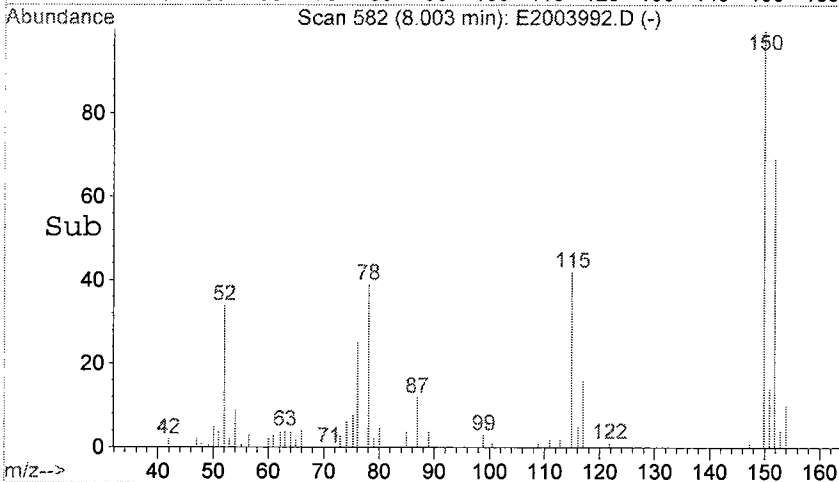
Ion Ratio Lower Upper

152 100

150 159.4 90.1 270.2

115 73.4 36.0 107.9

78 63.0 29.7 89.1



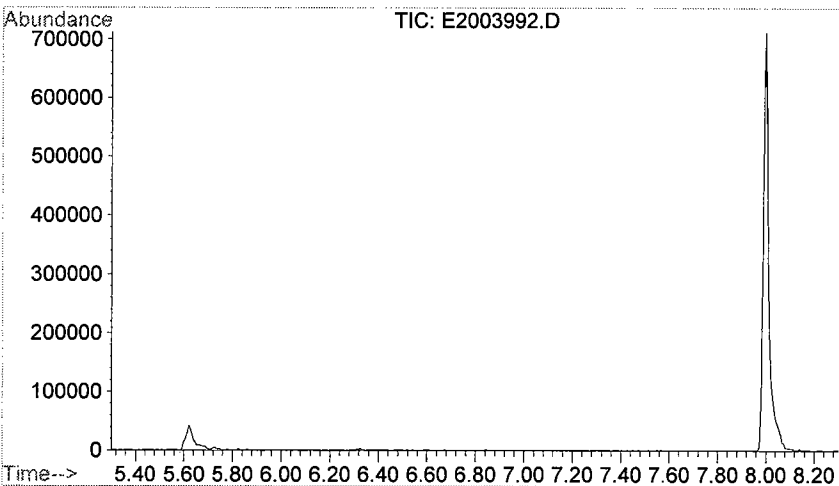
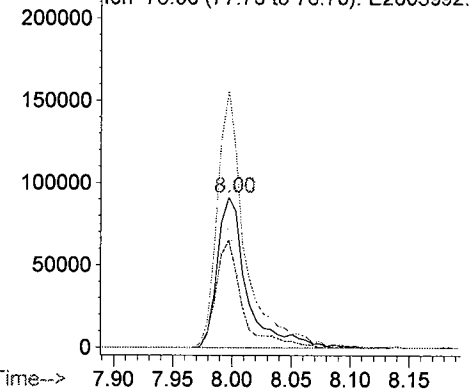
Abundance

Ion 152.00 (151.70 to 152.70): E2003992.D

Ion 150.00 (149.70 to 150.70): E2003992.D

Ion 115.00 (114.70 to 115.70): E2003992.D

Ion 78.00 (77.70 to 78.70): E2003992.D



#4

2-Fluorophenol

Concen: 0.00 ug/mL

Expected RT: 6.80 min

Lab File: E2003992.D

Acq: 23 Aug 2005 7:41 pm

Tgt Ion: 112

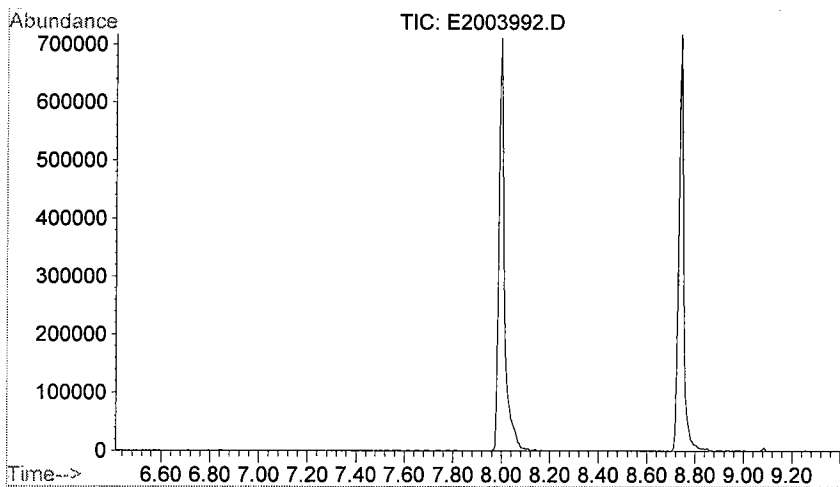
Sig Exp Ratio

112 100

64 43.8

92 19.1

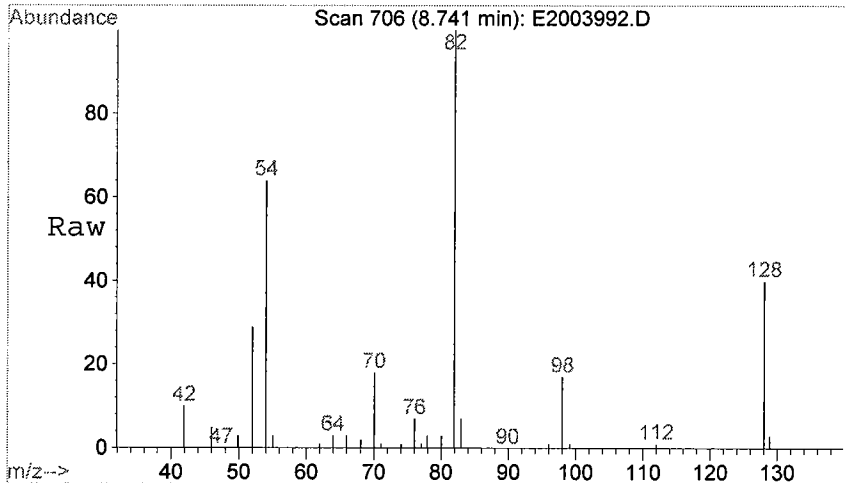
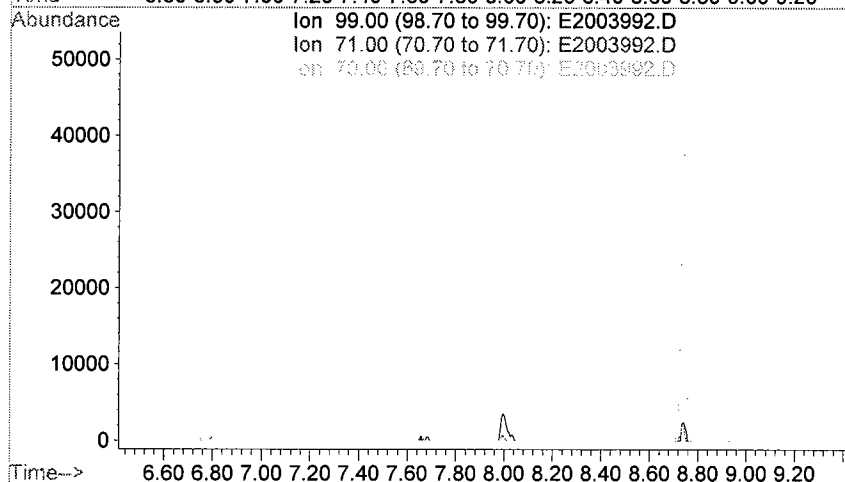




#5
 Phenol-d5
 Concen: 0.00 ug/mL
 Expected RT: 7.91 min

Lab File: E2003992.D
 Acq: 23 Aug 2005 7:41 pm

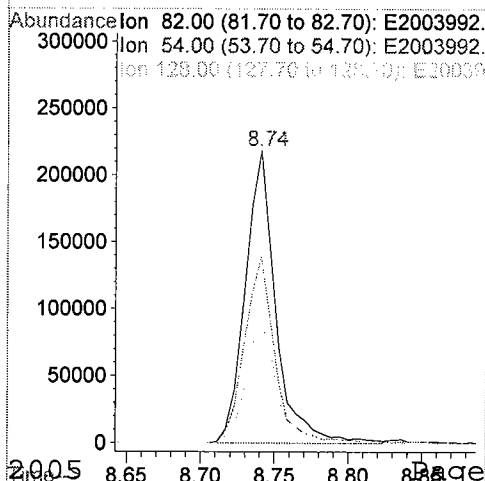
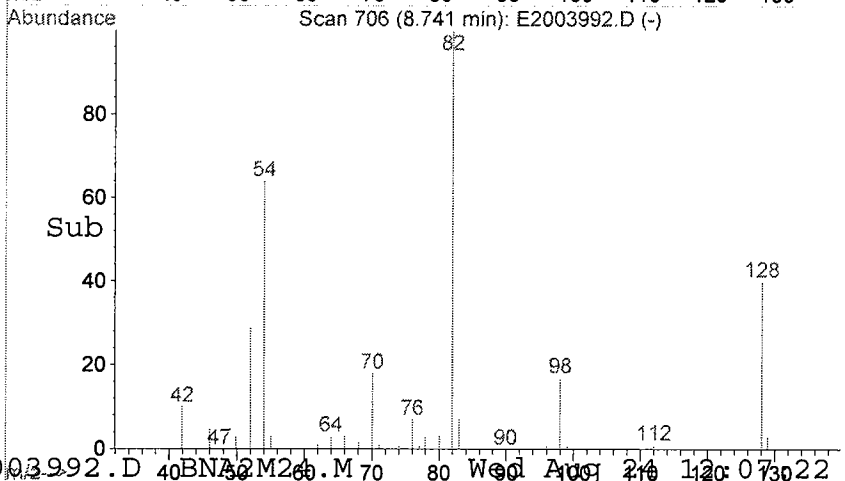
Tgt Ion: 99
 Sig Exp Ratio
 99 100
 71 59.2
 70 18.8

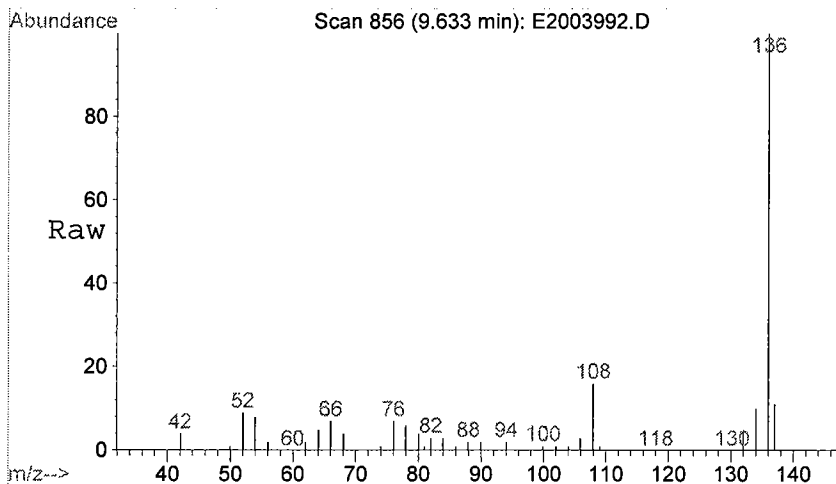


#19
 Nitrobenzene-d5
 Concen: 48.42 ug/mL
 RT: 8.74 min Scan# 706
 Delta R.T. -0.28 min
 Lab File: E2003992.D
 Acq: 23 Aug 2005 7:41 pm

Tgt Ion: 82 Resp: 3128647

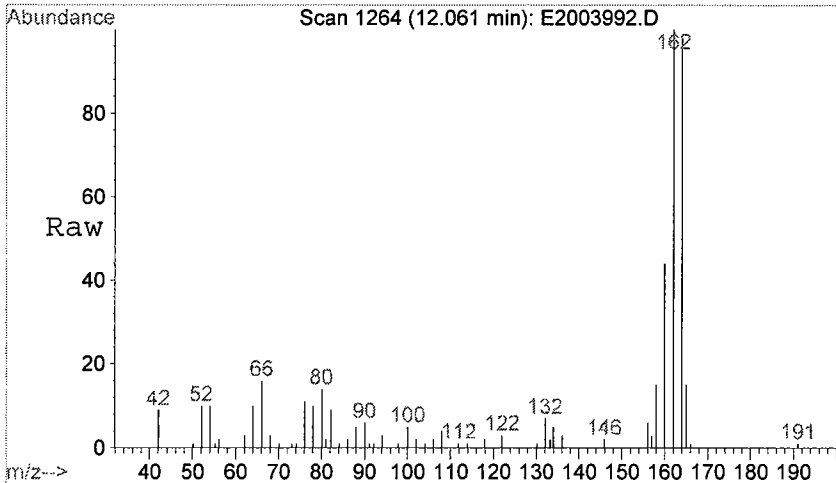
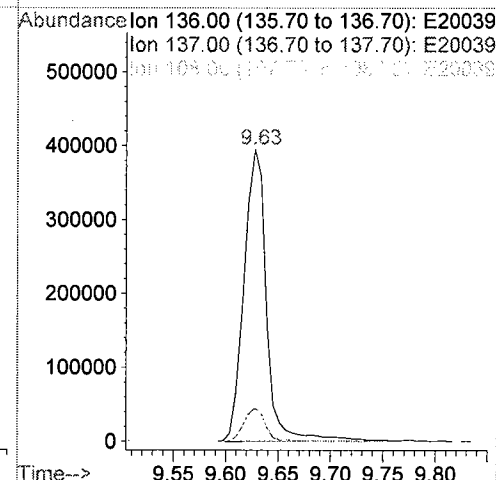
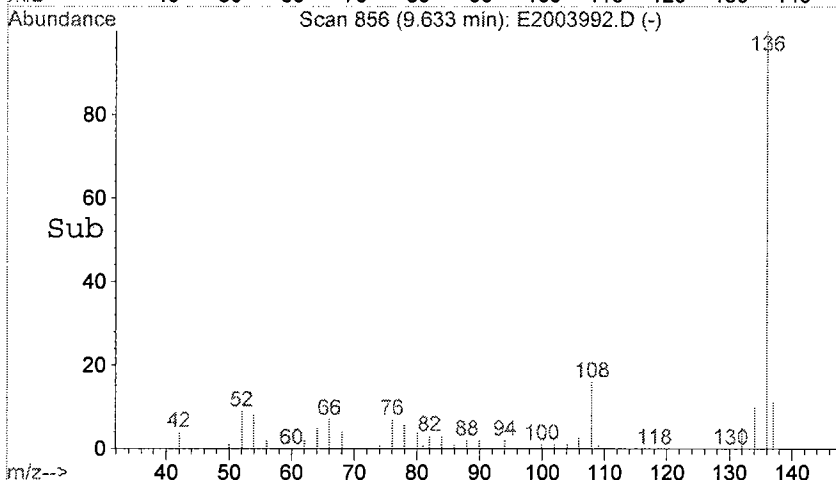
Ion	Ratio	Lower	Upper
82	100		
54	63.5	46.8	70.2
128	42.9	34.6	52.0





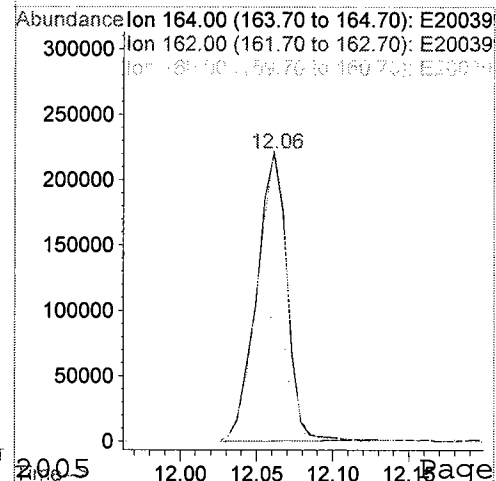
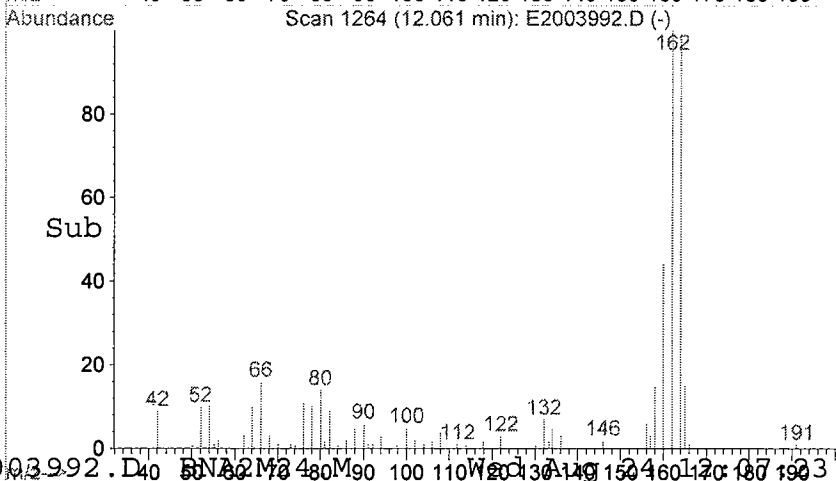
#21
Naphthalene-d8
Concen: 40.00 ug/mL
RT: 9.63 min Scan# 856
Delta R.T. -0.29 min
Lab File: E2003992.D
Acq: 23 Aug 2005 7:41 pm

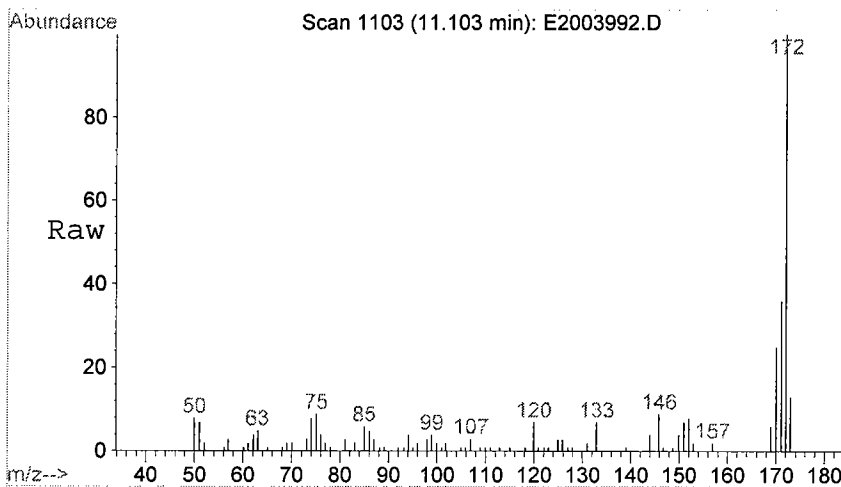
Tgt Ion:136 Resp: 5860408
Ion Ratio Lower Upper
136 100
137 10.5 5.4 16.1
108 16.3 8.3 24.8



#35
Acenaphthene-d10
Concen: 40.00 ug/mL
RT: 12.06 min Scan# 1264
Delta R.T. -0.30 min
Lab File: E2003992.D
Acq: 23 Aug 2005 7:41 pm

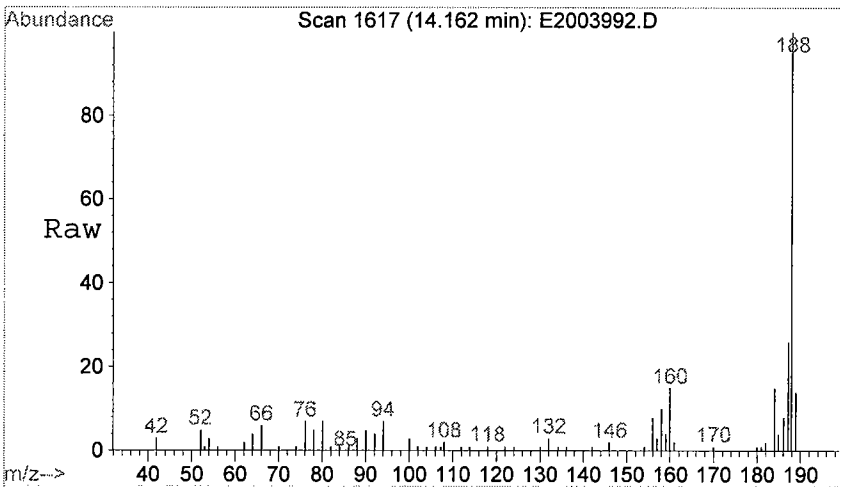
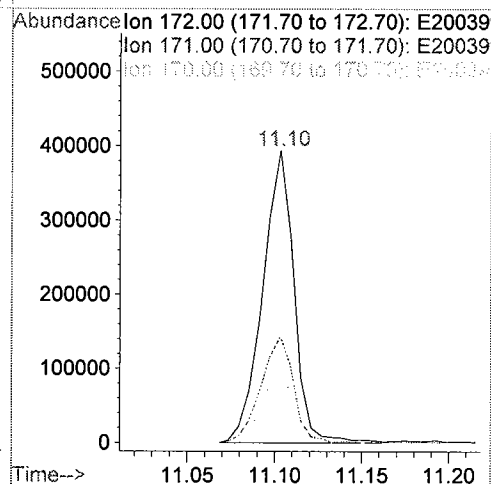
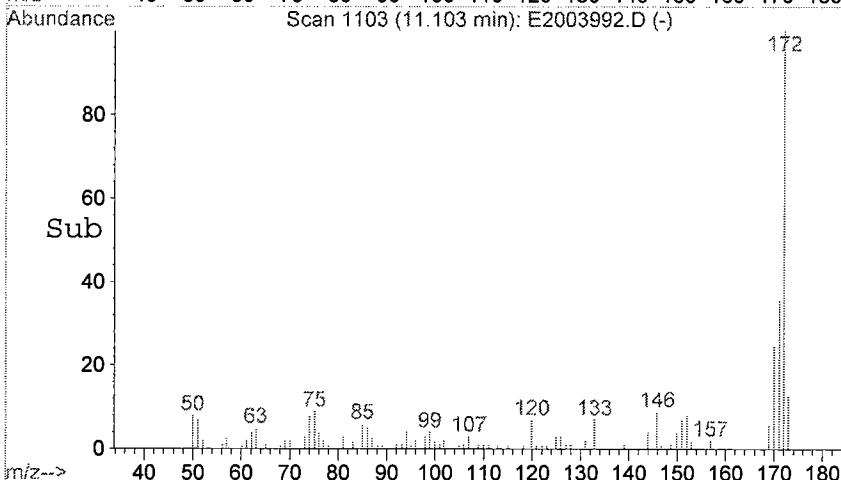
Tgt Ion:164 Resp: 3074579
Ion Ratio Lower Upper
164 100
162 98.1 48.6 145.8
160 45.7 22.0 66.0





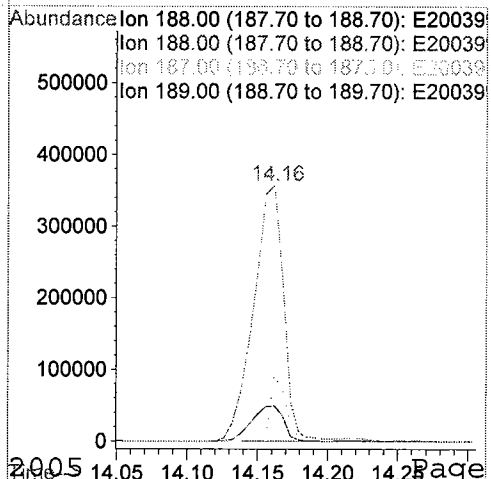
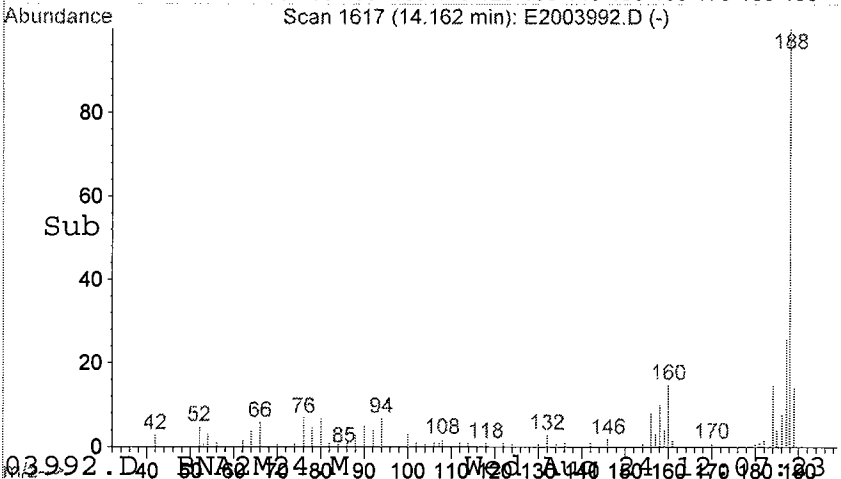
#38
 2-Fluorobiphenyl
 Concen: 49.15 ug/mL
 RT: 11.11 min Scan# 1103
 Delta R.T. -0.30 min
 Lab File: E2003992.D
 Acq: 23 Aug 2005 7:41 pm

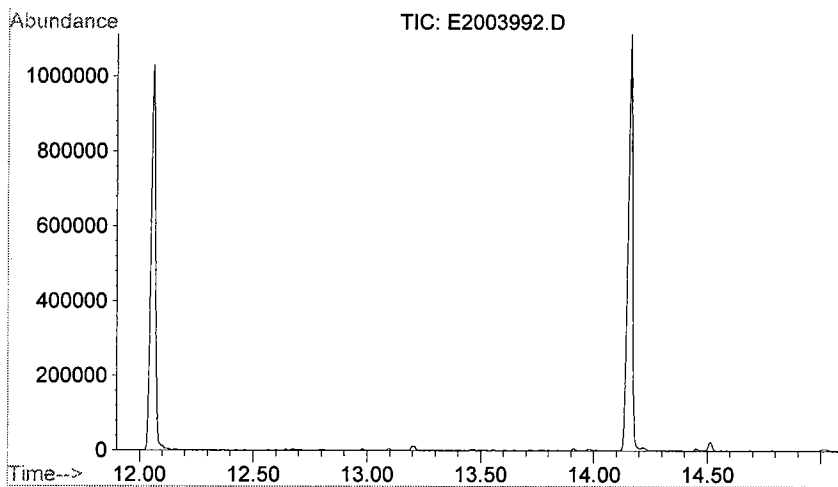
Tgt Ion:172 Resp: 4916272
 Ion Ratio Lower Upper
 172 100
 171 37.7 31.2 46.8
 170 24.4 20.1 30.1



#57
 Phenanthrene-d10
 Concen: 40.00 ug/mL
 RT: 14.16 min Scan# 1617
 Delta R.T. -0.30 min
 Lab File: E2003992.D
 Acq: 23 Aug 2005 7:41 pm

Tgt Ion:188 Resp: 5322562
 Ion Ratio Lower Upper
 188 100
 188 100.0 80.0 120.0
 187 0.0 0.0 0.0
 189 0.0 0.0 0.0

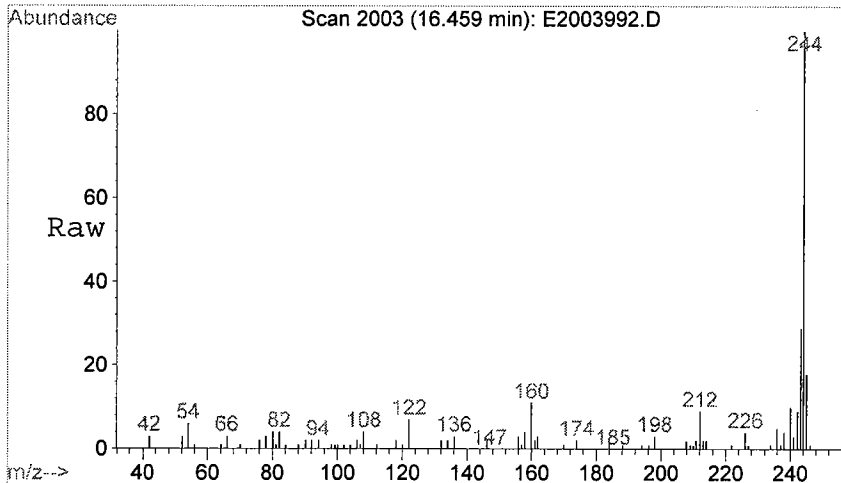
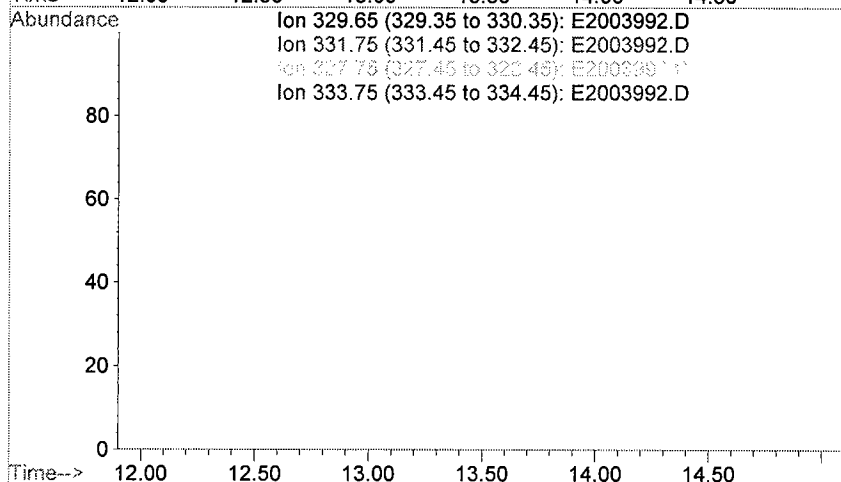




#59
2,4,6-Tribromophenol
Concen: 0.00 ug/mL
Expected RT: 13.50 min

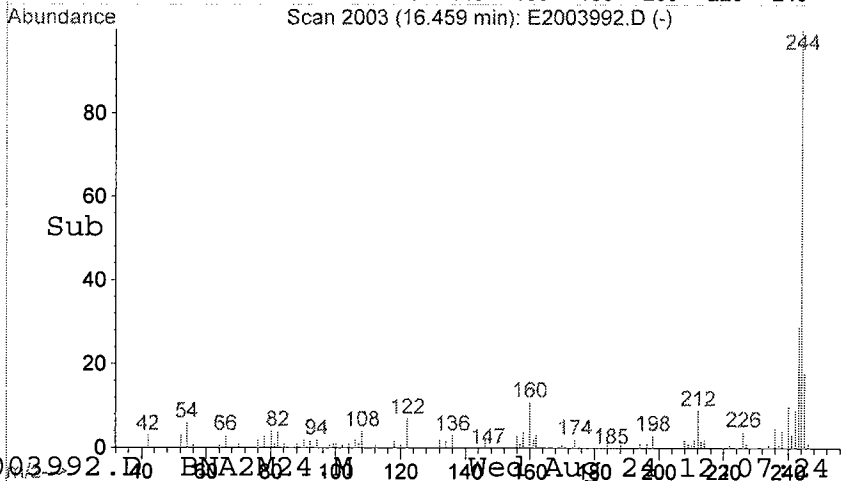
Lab File: E2003992.D
Acq: 23 Aug 2005 7:41 pm

Tgt Ion: 330
Sig Exp Ratio
330 100
332 98.7
328 34.1
334 31.6

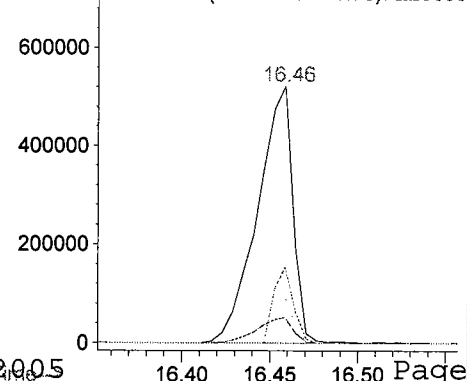


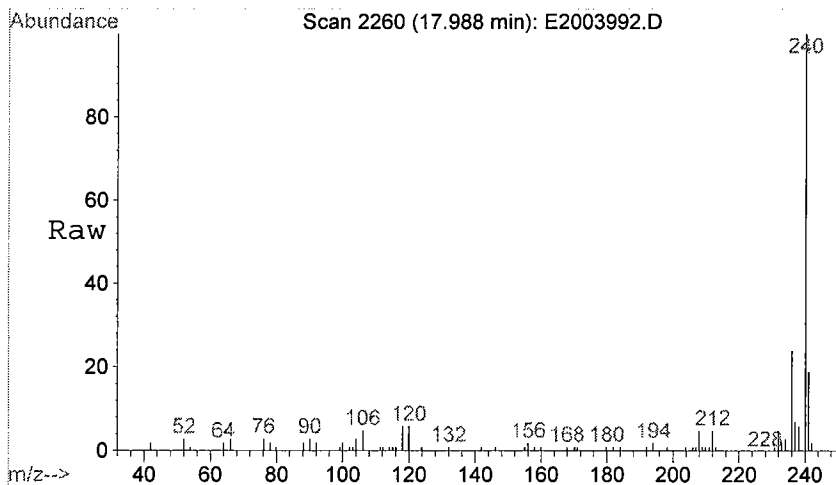
#70
Terphenyl-d14
Concen: 57.78 ug/mL
RT: 16.46 min Scan# 2003
Delta R.T. -0.29 min
Lab File: E2003992.D
Acq: 23 Aug 2005 7:41 pm

Tgt Ion: 244 Resp: 7225529
Ion Ratio Lower Upper
244 100
243 16.7 20.5 30.7#
245 18.5 15.7 23.5
240 10.0 7.7 11.5



Abundance Ion 244.00 (243.70 to 244.70): E20039
Ion 243.00 (242.70 to 243.70): E20039
Ion 245.00 (244.70 to 245.70): E20039
Ion 240.00 (239.70 to 240.70): E20039

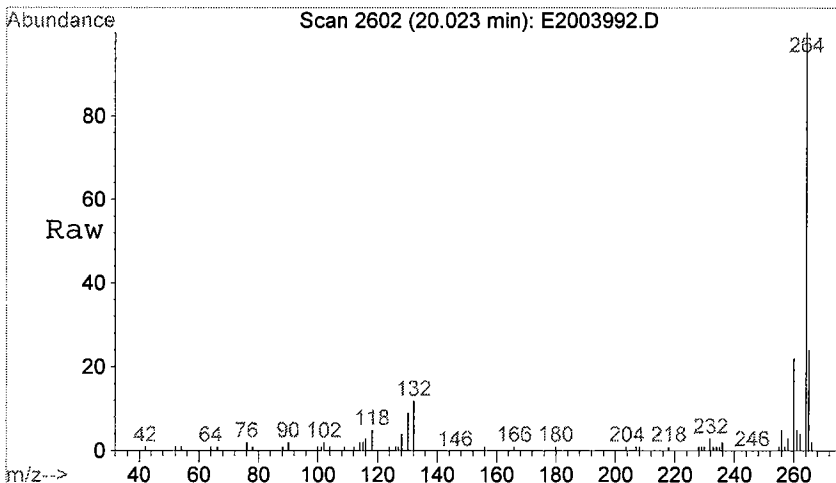
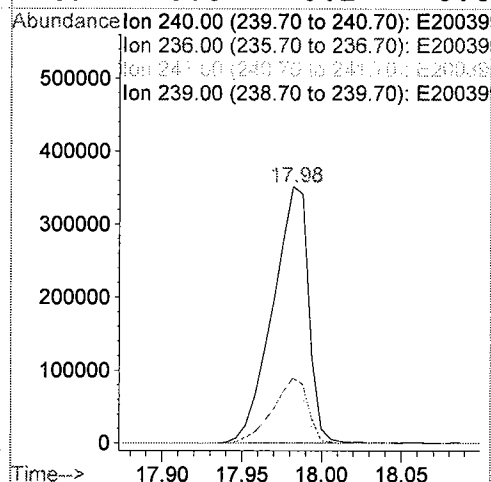
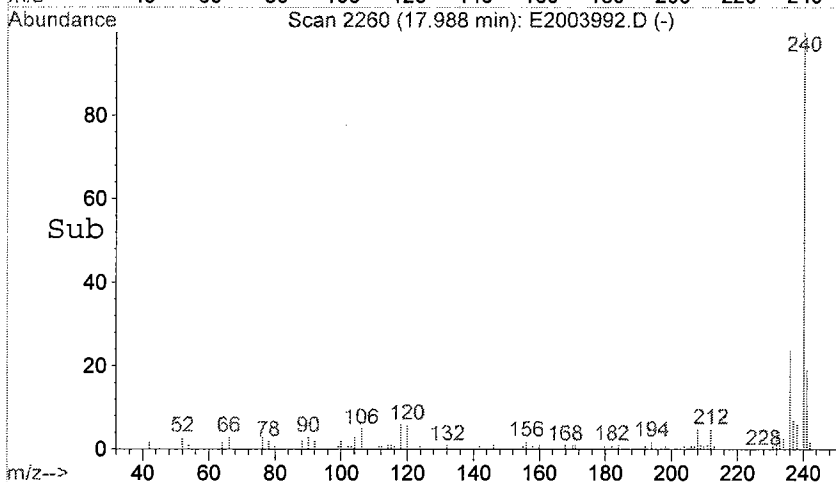




#75
 Chrysene-d12
 Concen: 40.00 ug/mL
 RT: 17.99 min Scan# 2260
 Delta R.T. -0.30 min
 Lab File: E2003992.D
 Acq: 23 Aug 2005 7:41 pm

Tgt Ion:240 Resp: 5481483

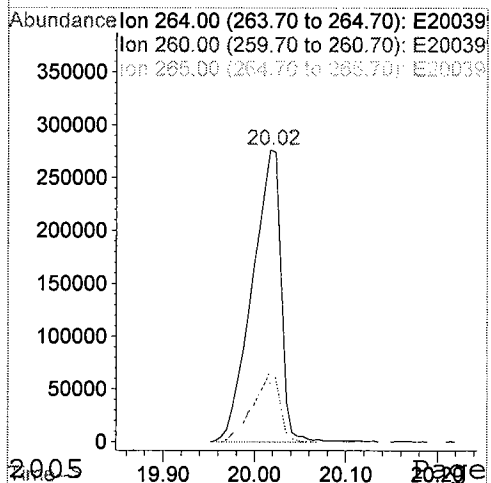
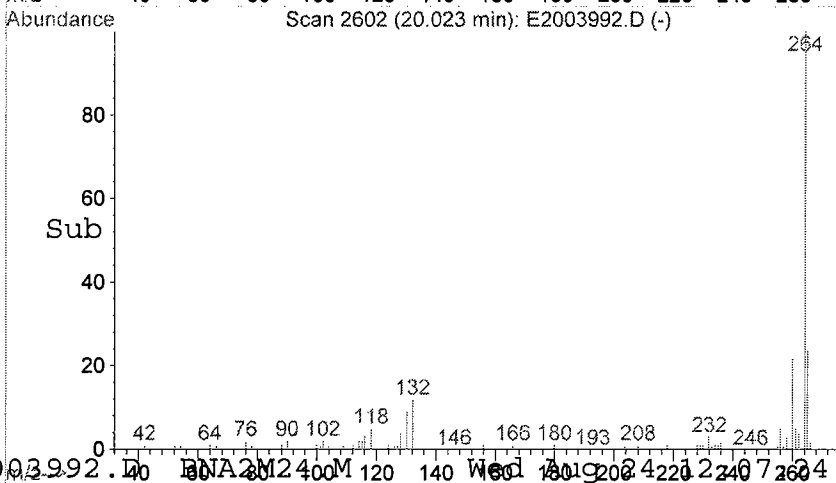
Ion	Ratio	Lower	Upper
240	100		
236	25.0	12.2	36.6
241	19.4	9.9	29.6
239	0.0	0.2	0.6



#84
 Perylene-d12
 Concen: 40.00 ug/mL
 RT: 20.02 min Scan# 2602
 Delta R.T. -0.36 min
 Lab File: E2003992.D
 Acq: 23 Aug 2005 7:41 pm

Tgt Ion:264 Resp: 6074886

Ion	Ratio	Lower	Upper
264	100		
260	22.1	11.0	32.9
265	21.5	9.8	29.4



Form 1-E
SEMIVOLATILES Tentatively Identified Compounds Data Sheet

Client Sample ID

WC-1 (20-25')

Sample Amount:	950 ML
Matrix:	WATER
Dilution Factor:	1.00

Date Collected:	8/15/05
Date Received:	8/17/05
Date Extracted:	8/22/05
Date Analyzed:	8/23/05
Level:	MEDIUM

Sample Type: **WATER**

SDG:	05080545
Lab ID:	05080545-10
File ID:	E2003992.D

CONCENTRATION
UNITS: **ug/L** **DRY**

[illegible]

LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\E2003992.D

Vial: 6

Acq On : 23 Aug 2005 7:41 pm

Operator: SW

Sample : 05080545-10 \$BNEXT/TICW 950ML/1ML ASPB

Inst : GCMS BNA

Misc : QBSV2082305A

Multiplr: 1.05

MS Integration Params: LSCINT.e

Method : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)

Title : GC MS BNA 2 Semi Volatiles Calibration

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	4.581	3	7	11	BV	3056	30960	0.13%	0.019%
2	4.611	11	12	20	VV	2346	28868	0.12%	0.018%
3	4.671	20	22	25	VV	3690	29148	0.12%	0.018%
4	4.694	25	26	28	VV	2346	13295	0.05%	0.008%
5	4.718	28	30	33	PV	4830	46203	0.19%	0.029%
6	4.748	33	35	40	VV 2	2570	41636	0.17%	0.026%
7	4.790	40	42	44	VV	2867	18512	0.08%	0.011%
8	4.819	44	47	49	PV	2022	18612	0.08%	0.012%
9	4.944	63	68	71	VV	1906	22155	0.09%	0.014%
10	5.623	172	182	197	BV 4	41284	1037606	4.27%	0.642%
11	5.730	197	200	207	VV	4693	89076	0.37%	0.055%
12	5.831	214	217	220	VV	2306	17363	0.07%	0.011%
13	5.861	220	222	224	PV	2225	9724	0.04%	0.006%
14	6.325	293	300	305	PB	2829	47804	0.20%	0.030%
15	7.997	569	581	604	PV	686416	11585754	47.73%	7.173%
16	8.140	604	605	608	VV	2401	16382	0.07%	0.010%
17	8.741	697	706	723	BV	694349	10302246	42.44%	6.379%
18	8.854	723	725	730	VV	4622	51286	0.21%	0.032%
19	8.937	736	739	743	PV	1707	19323	0.08%	0.012%
20	8.973	743	745	749	VV	1721	15045	0.06%	0.009%
21	9.086	760	764	768	PB	5540	49768	0.21%	0.031%
22	9.627	848	855	884	PV	972536	14135908	58.23%	8.752%
23	9.978	912	914	921	VV 2	2239	48221	0.20%	0.030%
24	10.496	996	1001	1003	VB	2528	25091	0.10%	0.016%
25	10.937	1070	1075	1087	PV 2	13374	186038	0.77%	0.115%
26	11.103	1093	1103	1114	BV	1391466	18126543	74.67%	11.223%
27	11.180	1114	1116	1129	VV 2	6666	144295	0.59%	0.089%
28	11.305	1132	1137	1143	VV	26678	312352	1.29%	0.193%
29	11.805	1215	1221	1223	BV	1763	14001	0.06%	0.009%
30	12.061	1251	1264	1279	BV	1007285	14698729	60.55%	9.101%
31	12.162	1279	1281	1283	VV 2	3638	34759	0.14%	0.022%
32	12.228	1290	1292	1294	VV 2	2513	22715	0.09%	0.014%
33	12.603	1352	1355	1357	PV 2	2205	11932	0.05%	0.007%
34	12.644	1357	1362	1364	PV 2	3659	35648	0.15%	0.022%

000414

35	12.680	1364	1368	1370	VV	4270	48716	0.20%	0.030%
36	12.757	1376	1381	1383	PV	1718	18709	0.08%	0.012%
37	12.811	1383	1390	1395	VV	3274	50645	0.21%	0.031%
38	12.984	1413	1419	1430	VV	4819	46620	0.19%	0.029%
39	13.097	1430	1438	1444	PV	4903	68214	0.28%	0.042%
40	13.204	1450	1456	1463	PV	10584	164293	0.68%	0.102%
41	13.471	1495	1501	1504	PV	4280	59354	0.24%	0.037%
42	13.513	1504	1508	1513	VV	3363	53004	0.22%	0.033%
43	13.561	1513	1516	1520	VV	2910	31142	0.13%	0.019%
44	13.608	1520	1524	1527	VV	2924	28640	0.12%	0.018%
45	13.721	1539	1543	1549	VV	2547	45201	0.19%	0.028%
46	13.769	1549	1551	1561	VV	3343	61178	0.25%	0.038%
47	13.840	1561	1563	1565	PV	2015	10849	0.04%	0.007%
48	13.912	1571	1575	1582	VV	6665	77783	0.32%	0.048%
49	13.983	1582	1587	1590	VV	4653	78664	0.32%	0.049%
50	14.013	1590	1592	1594	VV	3064	22685	0.09%	0.014%
51	14.061	1594	1600	1604	PV	2554	36255	0.15%	0.022%
52	14.162	1607	1617	1625	VV	1085909	15687197	64.62%	9.713%
53	14.215	1625	1626	1630	VV	8725	122894	0.51%	0.076%
54	14.311	1637	1642	1645	VV	2290	26479	0.11%	0.016%
55	14.453	1663	1666	1673	PV	6733	88597	0.36%	0.055%
56	14.513	1673	1676	1683	VV 2	23863	291847	1.20%	0.181%
57	14.662	1699	1701	1703	PV 2	1789	7740	0.03%	0.005%
58	14.697	1703	1707	1712	PV 2	1759	32606	0.13%	0.020%
59	14.793	1721	1723	1730	PV 2	2138	25407	0.10%	0.016%
60	14.870	1734	1736	1738	BV	1963	11050	0.05%	0.007%
61	15.013	1754	1760	1768	VV 3	5982	142135	0.59%	0.088%
62	15.096	1768	1774	1778	PV	2120	38090	0.16%	0.024%
63	15.161	1783	1785	1786	VV	2467	14463	0.06%	0.009%
64	15.173	1786	1787	1792	VV	2620	34947	0.14%	0.022%
65	15.269	1801	1803	1809	VV	2779	34959	0.14%	0.022%
66	15.328	1809	1813	1820	PV	1853	42204	0.17%	0.026%
67	15.614	1858	1861	1863	VV	2537	34685	0.14%	0.021%
68	15.703	1871	1876	1886	VV	2207	62724	0.26%	0.039%
69	15.989	1919	1924	1927	VV	2349	41118	0.17%	0.025%
70	16.030	1927	1931	1937	VV	3167	49099	0.20%	0.030%
71	16.090	1937	1941	1945	VV	6292	95379	0.39%	0.059%
72	16.179	1945	1956	1961	VV 3	7277	160511	0.66%	0.099%
73	16.256	1965	1969	1972	VV 3	2483	33065	0.14%	0.020%
74	16.459	1991	2003	2010	PV	1757009	24275394	100.00%	15.030%
75	16.512	2010	2012	2014	VV	4733	38578	0.16%	0.024%
76	16.536	2014	2016	2019	VV	3627	35597	0.15%	0.022%
77	16.572	2019	2022	2032	VV	4017	90245	0.37%	0.056%
78	16.649	2032	2035	2037	VV	2102	25098	0.10%	0.016%
79	16.667	2037	2038	2054	VV	2952	95902	0.40%	0.059%
80	16.774	2054	2056	2058	VV	3685	28741	0.12%	0.018%

81	16.792	2058	2059	2062	VV	2260	21607	0.09%	0.013%
82	16.905	2069	2078	2080	VV	2998	47408	0.20%	0.029%
83	16.947	2080	2085	2089	VV	6072	92359	0.38%	0.057%
84	16.976	2089	2090	2093	VV	3158	25875	0.11%	0.016%
85	17.006	2093	2095	2104	VV	2363	57907	0.24%	0.036%
86	17.113	2104	2113	2126	VV 4	67118	1287623	5.30%	0.797%
87	17.214	2126	2130	2139	VV 2	4755	113760	0.47%	0.070%
88	17.286	2139	2142	2147	VV 2	5874	68415	0.28%	0.042%
89	17.333	2147	2150	2155	VV 2	2197	34375	0.14%	0.021%
90	17.369	2155	2156	2162	VV 2	2650	34308	0.14%	0.021%
91	17.429	2162	2166	2174	VV	3461	83396	0.34%	0.052%
92	17.488	2174	2176	2186	PV	4154	93771	0.39%	0.058%
93	17.577	2186	2191	2192	VV	3616	42928	0.18%	0.027%
94	17.595	2192	2194	2196	VV	3248	24657	0.10%	0.015%
95	17.613	2196	2197	2201	VV	3111	40661	0.17%	0.025%
96	17.685	2201	2209	2212	VV 2	3271	83034	0.34%	0.051%
97	17.714	2212	2214	2219	VV	5004	62257	0.26%	0.039%
98	17.774	2219	2224	2226	VV	3587	61214	0.25%	0.038%
99	17.809	2226	2230	2236	VV 2	4908	111745	0.46%	0.069%
100	17.857	2236	2238	2239	VV 2	3357	26866	0.11%	0.017%
101	17.881	2239	2242	2245	VV	4615	55243	0.23%	0.034%
102	17.911	2245	2247	2248	VV	3575	31326	0.13%	0.019%
103	17.988	2248	2260	2266	VV	970603	15520505	63.94%	9.610%
104	18.036	2266	2268	2270	VV	6782	59065	0.24%	0.037%
105	18.059	2270	2272	2274	VV 2	4931	62651	0.26%	0.039%
106	18.095	2274	2278	2281	VV 2	5959	121052	0.50%	0.075%
107	18.125	2281	2283	2290	VV	3949	89823	0.37%	0.056%
108	18.196	2290	2295	2297	VV 2	5177	81477	0.34%	0.050%
109	18.238	2297	2302	2307	VV	3667	76865	0.32%	0.048%
110	18.286	2307	2310	2312	VV	4031	53132	0.22%	0.033%
111	18.363	2315	2323	2331	VV 3	6174	235951	0.97%	0.146%
112	18.422	2331	2333	2335	VV	6752	72751	0.30%	0.045%
113	18.470	2335	2341	2343	VV	3919	80714	0.33%	0.050%
114	18.506	2343	2347	2349	VV	6737	87456	0.36%	0.054%
115	18.529	2349	2351	2355	VV	3728	67719	0.28%	0.042%
116	18.571	2355	2358	2362	VV 2	4985	83216	0.34%	0.052%
117	18.643	2368	2370	2372	VV	4275	47638	0.20%	0.029%
118	18.660	2372	2373	2380	VV 2	4018	98701	0.41%	0.061%
119	18.714	2380	2382	2383	VV	4707	35731	0.15%	0.022%
120	18.738	2383	2386	2389	VV 2	5682	88522	0.36%	0.055%
121	18.768	2389	2391	2394	VV	4155	66115	0.27%	0.041%
122	18.797	2394	2396	2398	VV	5795	46666	0.19%	0.029%
123	18.815	2398	2399	2402	VV	5547	64975	0.27%	0.040%
124	18.839	2402	2403	2410	VV 2	6157	108568	0.45%	0.067%
125	18.916	2410	2416	2418	VV 3	6783	142080	0.59%	0.088%
126	18.934	2418	2419	2423	VV 2	5355	91828	0.38%	0.057%
127	18.988	2423	2428	2435	VV 2	185981	2593989	10.69%	1.606%

128	19.041	2435	2437	2439	VV 3	12707	127081	0.52%	0.079%
129	19.148	2439	2455	2461	VV 2	15693	545320	2.25%	0.338%
130	19.226	2466	2468	2470	VV	4632	41585	0.17%	0.026%
131	19.261	2470	2474	2477	VV 2	5609	108887	0.45%	0.067%
132	19.297	2477	2480	2482	VV	5336	67004	0.28%	0.041%
133	19.321	2482	2484	2490	VV 3	4837	128323	0.53%	0.079%
134	19.392	2490	2496	2504	VV 3	8087	255932	1.05%	0.158%
135	19.470	2504	2509	2511	VV 2	4973	78393	0.32%	0.049%
136	19.505	2511	2515	2517	VV 2	7574	117893	0.49%	0.073%
137	19.523	2517	2518	2524	VV 2	10536	178707	0.74%	0.111%
138	19.577	2524	2527	2529	VV 2	5968	75198	0.31%	0.047%
139	19.601	2529	2531	2533	VV 2	7002	59978	0.25%	0.037%
140	19.636	2533	2537	2542	VV 3	9152	169320	0.70%	0.105%
141	19.672	2542	2543	2545	VV	6129	48586	0.20%	0.030%
142	19.690	2545	2546	2550	VV	6266	88984	0.37%	0.055%
143	19.743	2550	2555	2559	VV 3	6334	136261	0.56%	0.084%
144	19.779	2559	2561	2565	VV	7287	103150	0.42%	0.064%
145	19.809	2565	2566	2568	VV	6078	57868	0.24%	0.036%
146	19.839	2568	2571	2573	VV 3	7743	113618	0.47%	0.070%
147	19.880	2573	2578	2580	VV 3	5221	91180	0.38%	0.056%
148	19.904	2580	2582	2584	VV 3	6351	69485	0.29%	0.043%
149	19.922	2584	2585	2587	VV 2	6472	65042	0.27%	0.040%
150	20.023	2587	2602	2608	VV	725264	16093744	66.30%	9.964%
151	20.065	2608	2609	2612	VV 2	11118	108012	0.44%	0.067%
152	20.100	2612	2615	2619	VV 2	8499	159020	0.66%	0.098%
153	20.136	2619	2621	2623	VV 2	6632	73652	0.30%	0.046%
154	20.178	2623	2628	2633	VV 2	7959	206430	0.85%	0.128%
155	20.219	2633	2635	2640	VV 2	7014	128700	0.53%	0.080%
156	20.267	2640	2643	2647	VV	5916	117623	0.48%	0.073%
157	20.315	2647	2651	2654	VV	8077	123306	0.51%	0.076%
158	20.350	2654	2657	2659	VV 2	6610	88173	0.36%	0.055%
159	20.386	2659	2663	2664	VV 2	4246	63625	0.26%	0.039%
160	20.410	2664	2667	2670	VV 2	5196	84924	0.35%	0.053%
161	20.457	2670	2675	2678	VV 2	6711	152075	0.63%	0.094%
162	20.487	2678	2680	2683	VV 2	5774	62856	0.26%	0.039%
163	20.517	2683	2685	2687	VV	6283	69388	0.29%	0.043%
164	20.535	2687	2688	2691	VV	7279	77148	0.32%	0.048%
165	20.565	2691	2693	2699	VV 4	4932	125997	0.52%	0.078%
166	20.612	2699	2701	2708	VV 3	5548	146440	0.60%	0.091%
167	20.666	2708	2710	2715	VV 2	5647	99417	0.41%	0.062%
168	20.737	2715	2722	2727	VV 2	6095	187409	0.77%	0.116%
169	20.779	2727	2729	2730	VV	5506	52840	0.22%	0.033%
170	20.797	2730	2732	2740	VV 3	6598	192161	0.79%	0.119%
171	20.856	2740	2742	2746	VV 3	6566	116704	0.48%	0.072%
172	20.904	2746	2750	2752	VV 2	4531	67159	0.28%	0.042%
173	20.922	2752	2753	2755	VV	4063	39819	0.16%	0.025%
174	20.945	2755	2757	2760	VV 2	5138	65891	0.27%	0.041%

175	20.975	2760	2762	2766	VV	5842	92444	0.38%	0.057%
176	21.041	2766	2773	2775	VV 2	5299	113500	0.47%	0.070%
177	21.070	2775	2778	2780	VV	5186	70813	0.29%	0.044%
178	21.100	2780	2783	2786	VV 2	5157	79383	0.33%	0.049%
179	21.142	2786	2790	2805	VV 2	4339	217215	0.89%	0.134%
180	21.243	2805	2807	2811	VV	6171	90590	0.37%	0.056%
181	21.285	2811	2814	2818	VV 2	8416	116214	0.48%	0.072%
182	21.344	2818	2824	2826	VV 2	4126	91550	0.38%	0.057%
183	21.368	2826	2828	2834	VV	4427	78844	0.32%	0.049%
184	21.416	2834	2836	2838	VV	4412	50683	0.21%	0.031%
185	21.433	2838	2839	2843	VV 2	6465	84873	0.35%	0.053%
186	21.469	2843	2845	2849	VV 2	4869	67693	0.28%	0.042%
187	21.505	2849	2851	2854	VV 2	4870	59505	0.25%	0.037%
188	21.540	2854	2857	2858	VV	4355	49791	0.21%	0.031%
189	21.558	2858	2860	2864	VV 2	6960	72318	0.30%	0.045%
190	21.612	2864	2869	2870	VV 3	6502	80089	0.33%	0.050%
191	21.630	2870	2872	2874	VV	6025	47189	0.19%	0.029%
192	21.654	2874	2876	2881	VV 2	4500	88200	0.36%	0.055%
193	21.695	2881	2883	2898	VV 2	5831	191345	0.79%	0.118%
194	21.838	2898	2907	2913	VV 4	4383	139527	0.57%	0.086%
195	21.886	2913	2915	2919	VV	3630	62311	0.26%	0.039%
196	21.927	2919	2922	2925	VV	3578	49682	0.20%	0.031%
197	21.963	2925	2928	2930	VV	4461	53682	0.22%	0.033%
198	22.005	2930	2935	2938	VV 4	6191	125127	0.52%	0.077%
199	22.040	2938	2941	2948	VV 4	5443	116395	0.48%	0.072%
200	22.106	2948	2952	2954	VV	3363	41670	0.17%	0.026%
201	22.130	2954	2956	2958	VV	4948	58130	0.24%	0.036%
202	22.153	2958	2960	2963	VV 2	4766	61778	0.25%	0.038%
203	22.201	2963	2968	2970	VV	4334	69525	0.29%	0.043%
204	22.231	2970	2973	2976	VV 2	4872	57896	0.24%	0.036%
205	22.261	2976	2978	2980	VV 2	3680	39281	0.16%	0.024%
206	22.326	2980	2989	2993	VV	4733	130279	0.54%	0.081%
207	22.391	2993	3000	3012	VV 2	4280	172765	0.71%	0.107%
208	22.475	3012	3014	3019	VV	3482	56119	0.23%	0.035%
209	22.516	3019	3021	3028	VV	3721	92649	0.38%	0.057%
210	22.570	3028	3030	3035	VV	5437	77132	0.32%	0.048%
211	22.606	3035	3036	3038	VV	4083	32334	0.13%	0.020%
212	22.665	3044	3046	3054	VV 2	6279	109699	0.45%	0.068%
213	22.760	3059	3062	3066	VV 2	4282	58947	0.24%	0.036%
214	22.808	3066	3070	3074	VV	5407	74838	0.31%	0.046%
215	22.844	3074	3076	3078	VV 2	2582	24433	0.10%	0.015%
216	22.879	3078	3082	3085	VV 2	3361	49639	0.20%	0.031%
217	22.903	3085	3086	3088	VV	4380	30528	0.13%	0.019%
218	22.927	3088	3090	3099	VV	2560	51731	0.21%	0.032%
219	22.992	3099	3101	3103	PV	2698	16368	0.07%	0.010%
220	23.022	3103	3106	3108	VV	1716	11349	0.05%	0.007%

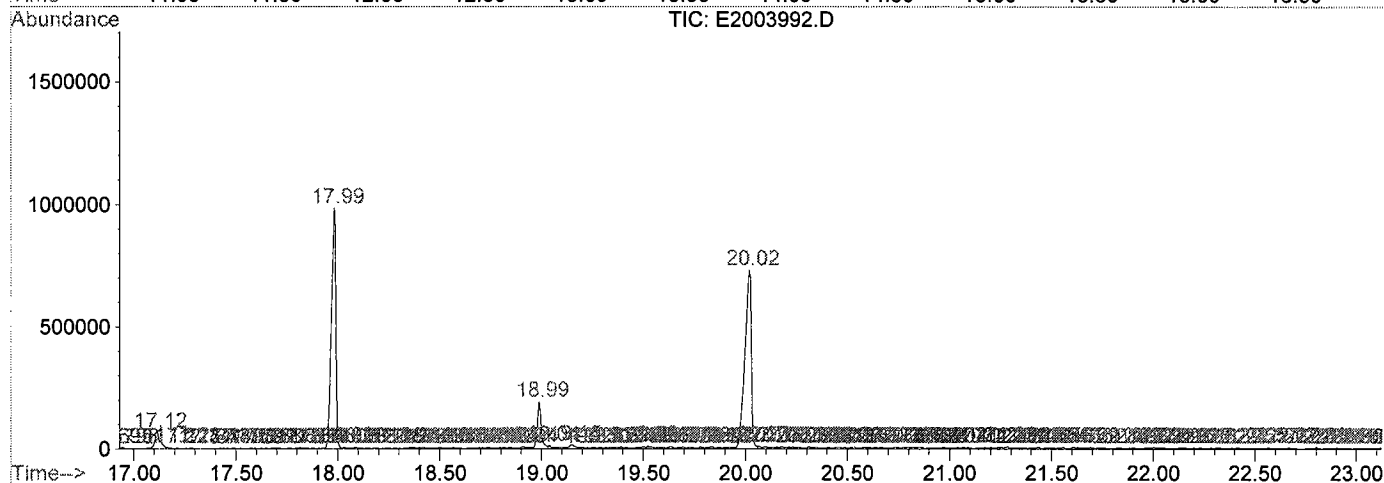
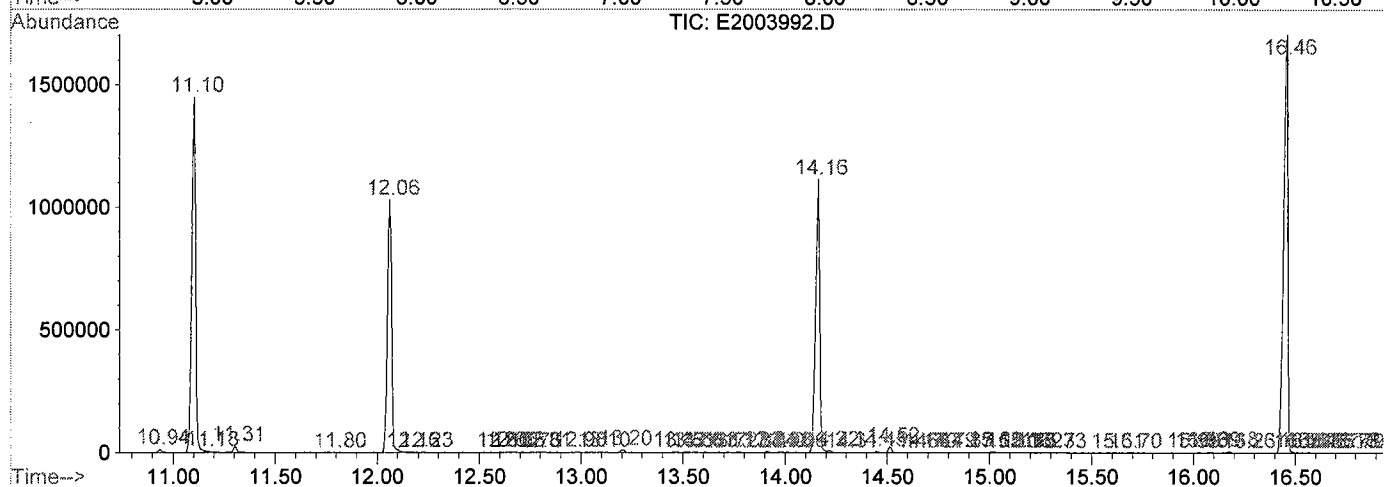
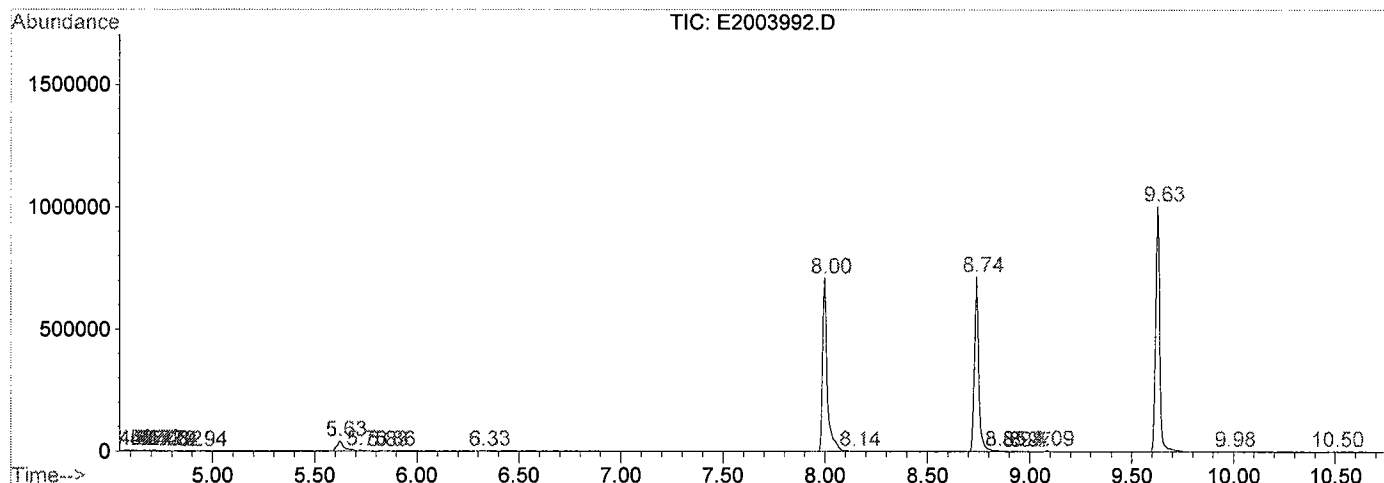
221	23.046	3108	3110	3113	VV	1942	21228	0.09%	0.013%
222	23.076	3113	3115	3118	VBA	1544	20477	0.08%	0.013%

Sum of corrected areas: 161511693

E2003992.D BNA2M24.M Wed Aug 24 11:05:57 2005

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\E2003992.D
 Operator : SW
 Acquired : 23 Aug 2005 7:41 pm using AcqMethod BNA2M24
 Instrument : GCMS BNA
 Sample Name: 05080545-10 \$BNEXT/TICW 950ML/1ML ASPB
 Misc Info : QBSV2082305A
 Vial Number: 6
 Quant File :BNA2M24.RES (Chemstation Integrator)



Tentatively Identified Compound (LSC) summary

Operator ID: SW Date Acquired: 23 Aug 2005 7:41 pm
 Data File: C:\HPCHEM\1\DATA\E2003992.D
 Name: 05080545-10 \$BNEXT/TICW 950ML/1ML ASPB
 Misc: QBSV2082305A
 Method: C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)
 Title: GC MS BNA 2 Semi Volatiles Calibration
 Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
9-Octadecenamide, (Z	18.99	7.0	ug/mL	2593990	ISTD05	17.99	15520500	40.0

E2003992.D BNA2M24.M Wed Aug 24 11:05:59 2005

Op
 Dat
 Name
 Misc
 Method
 Title
 Lib

1
 9-C

Op
 Dat
 Name
 Misc
 Method
 Title
 Lib

9-C

Op
 Dat
 Name
 Misc
 Method
 Title
 Lib

000421

Form 1
SEMIVOLATILE Organics Analysis Data Sheet- EPA 8270

Client Sample ID

WC-1 (35-40')

Sample Amount: 950 ml	Date Collected: 8/15/05	Sample Type: WATER
Matrix: WATER	Date Received: 8/17/05	
Dilution Factor: 1.00	Date Extracted: 08/22/05	SDG: 05080545
Conc. Extract Vol.: 1000 ul	Date Analyzed: 08/23/05	Lab ID: 05080545-11
Injection Volume: 1.0 ul	Level: LOW	Lab File ID: E2003993.D
GPC Cleanup: N		

CONCENTRATION
UNITS: **ug/L**

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
WC-1 (35-40')	05080545-11	Acenaphthene	10 U
WC-1 (35-40')	05080545-11	Acenaphthylene	10 U
WC-1 (35-40')	05080545-11	Anthracene	10 U
WC-1 (35-40')	05080545-11	Benzo(a)anthracene	10 U
WC-1 (35-40')	05080545-11	Benzo(b)fluoranthene	10 U
WC-1 (35-40')	05080545-11	Benzo(k)fluoranthene	10 U
WC-1 (35-40')	05080545-11	Benzo(g,h,i)perylene	10 U
WC-1 (35-40')	05080545-11	Benzo(a)pyrene	10 U
WC-1 (35-40')	05080545-11	Bis(2-chloroethoxy)methane	10 U
WC-1 (35-40')	05080545-11	Bis(2-chloroethyl)ether	10 U
WC-1 (35-40')	05080545-11	Bis(2-chloroisopropyl)ether	10 U
WC-1 (35-40')	05080545-11	Bis(2-ethylhexyl)phthalate	10 U
WC-1 (35-40')	05080545-11	4-Bromophenyl phenyl ether	10 U
WC-1 (35-40')	05080545-11	Butyl benzyl phthalate	10 U
WC-1 (35-40')	05080545-11	4-Chloroaniline	10 U
WC-1 (35-40')	05080545-11	2-Chloronaphthalene	10 U
WC-1 (35-40')	05080545-11	4-Chlorophenyl phenyl ether	10 U
WC-1 (35-40')	05080545-11	Chrysene	10 U
WC-1 (35-40')	05080545-11	Dibenzo(a,h)anthracene	10 U
WC-1 (35-40')	05080545-11	Dibenzofuran	10 U
WC-1 (35-40')	05080545-11	Di-n-butylphthalate	10 U
WC-1 (35-40')	05080545-11	1,3-Dichlorobenzene	10 U
WC-1 (35-40')	05080545-11	1,4-Dichlorobenzene	10 U
WC-1 (35-40')	05080545-11	1,2-Dichlorobenzene	10 U
WC-1 (35-40')	05080545-11	3,3'-Dichlorobenzidine	10 U
WC-1 (35-40')	05080545-11	Diethylphthalate	10 U
WC-1 (35-40')	05080545-11	Dimethylphthalate	10 U
WC-1 (35-40')	05080545-11	2,4-Dinitrotoluene	10 U
WC-1 (35-40')	05080545-11	2,6-Dinitrotoluene	10 U
WC-1 (35-40')	05080545-11	Di-n-octylphthalate	10 U
WC-1 (35-40')	05080545-11	Fluoranthene	10 U
WC-1 (35-40')	05080545-11	Fluorene	10 U
WC-1 (35-40')	05080545-11	Hexachlorobenzene	10 U

Data File : C:\HPCHEM\1\DATA\E2003993.D

Vial: 7

Acq On : 23 Aug 2005 8:14 pm

Operator: SW

Sample : 05080545-11 \$BNEXT/TICW 950ML/1ML ASPB

Inst : GCMS BNA

Misc : QBSV2082305A

Multiplr: 1.05

MS Integration Params: events.e

Quant Time: Aug 24 12:08 19105

Quant Results File: BNA2M24.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)

Title : GC MS BNA 2 Semi Volatiles Calibration

Last Update : Thu Jul 28 14:39:42 2005

Response via : Initial Calibration

DataAcq Meth : BNA2M24

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	1616432	40.00	ug/mL	-0.29
21) Naphthalene-d8	9.63	136	5866422	40.00	ug/mL	-0.29
35) Acenaphthene-d10	12.06	164	2961962	40.00	ug/mL	-0.30
57) Phenanthrene-d10	14.16	188	5072093	40.00	ug/mL	-0.30
75) Chrysene-d12	17.98	240	5233552	40.00	ug/mL	-0.30
84) Perylene-d12	20.02	264	5697814	40.00	ug/mL	-0.36

System Monitoring Compounds

4) 2-Fluorophenol	0.00	112	0d	0.00	ug/mL	
Spiked Amount	200.000	Range	15 - 87	Recovery	=	0.00%#
5) Phenol-d5	0.00	99	0d	0.00	ug/mL	
Spiked Amount	200.000	Range	10 - 100	Recovery	=	0.00%#
19) Nitrobenzene-d5	8.74	82	3315468	50.32	ug/mL	-0.28
Spiked Amount	100.000	Range	26 - 120	Recovery	=	50.32%
38) 2-Fluorobiphenyl	11.10	172	4965682	51.53	ug/mL	-0.30
Spiked Amount	100.000	Range	29 - 120	Recovery	=	51.53%
59) 2,4,6-Tribromophenol	0.00	330	0	0.00	ug/mL	
Spiked Amount	200.000	Range	35 - 126	Recovery	=	0.00%#
70) Terphenyl-d14	16.46	244	7271464	61.02	ug/mL	-0.29
Spiked Amount	100.000	Range	35 - 127	Recovery	=	61.02%

Target Compounds

Qvalue

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

DATA\\Data99File : C:\\HPCHEM\\1\\DATA\\E2003993.D

Vial: 7

Acq On : 23 Aug 2005 8:14 pm

Operator: SW

Sample : 05080545-11 \$BNEXT/TICW 950ML/1ML ASPB

Inst : GCMS BNA

Misc : QBSV2082305A

Multiplr: 1.05

MS Integration Params: events.e

Quant Time: Aug 24 12:08 19105

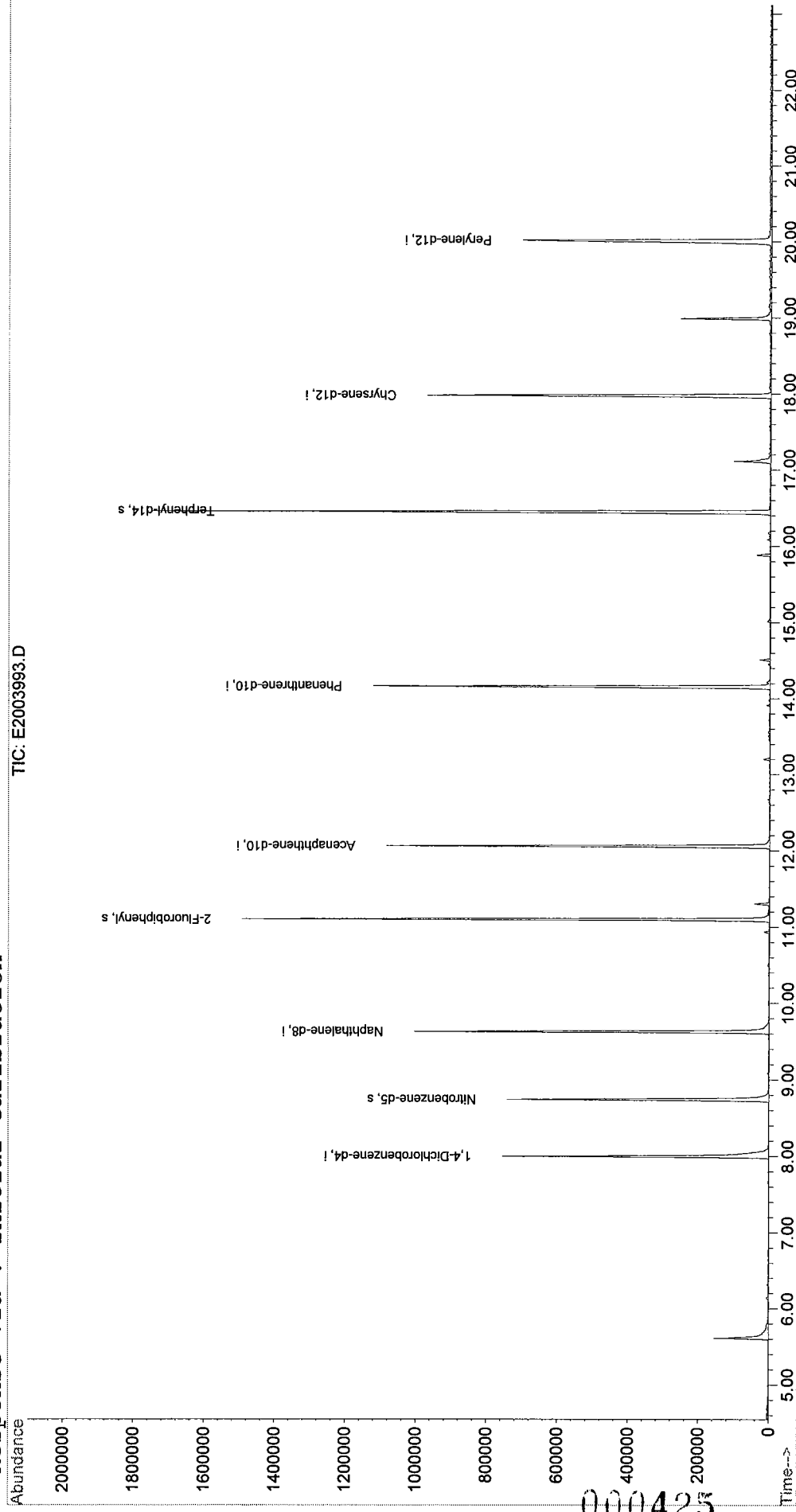
Quant Results File: BNA2M24.RES

Method : C:\\HPCHEM\\1\\METHODS\\BNA2M24.M (Chemstation Integrator)

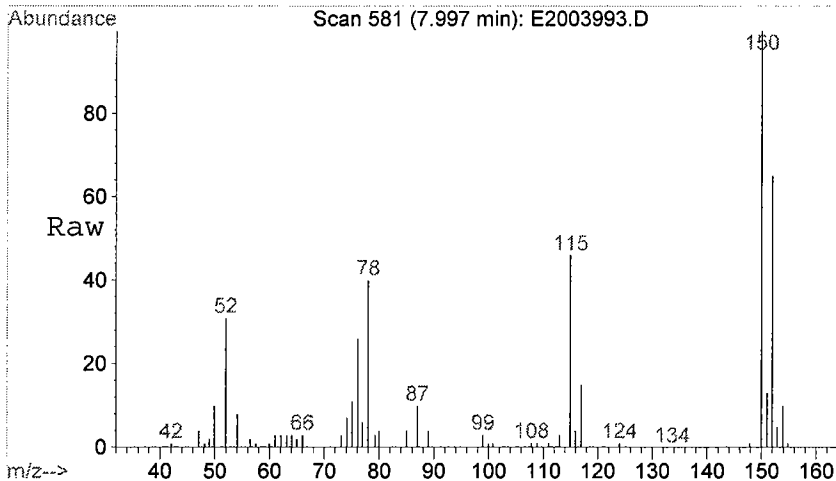
Title : GC MS BNA 2 Semi Volatiles Calibration

Last Update : Thu Jul 28 14:39:42 2005

Response via : Initial Calibration



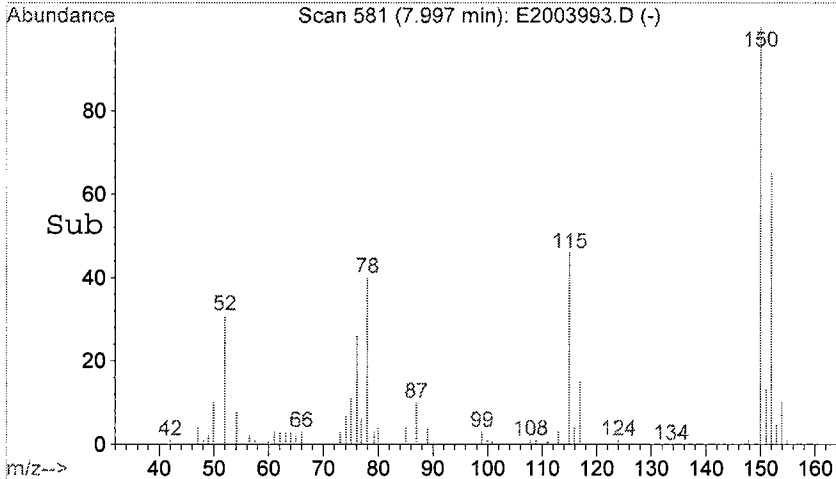
000425



#1
 1,4-Dichlorobenzene-d4
 Concen: 40.00 ug/mL
 RT: 8.00 min Scan# 581
 Delta R.T. -0.29 min
 Lab File: E2003993.D
 Acq: 23 Aug 2005 8:14 pm

Tgt Ion:152 Resp: 1616432

Ion	Ratio	Lower	Upper
152	100		
150	153.6	90.1	270.2
115	71.2	36.0	107.9
78	65.2	29.7	89.1



Abundance

Ion 152.00 (151.70 to 152.70): E2003993.D

250000

Ion 150.00 (149.70 to 150.70): E2003993.D

200000

Ion 115.00 (114.70 to 115.70): E2003993.D

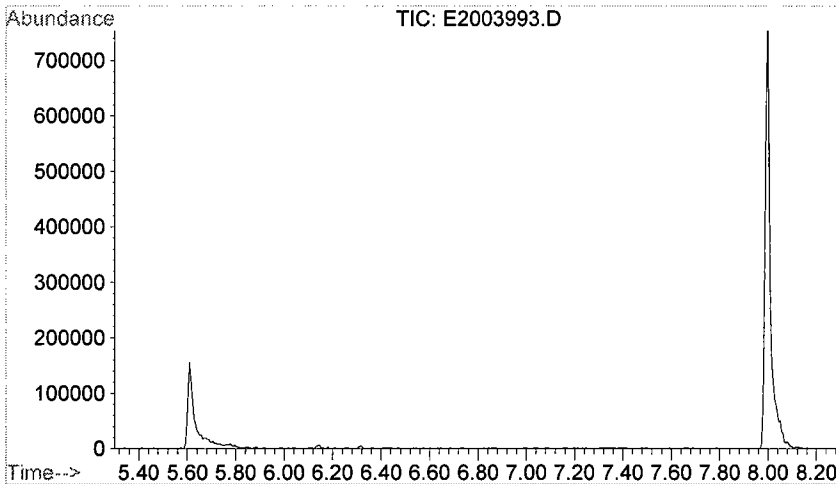
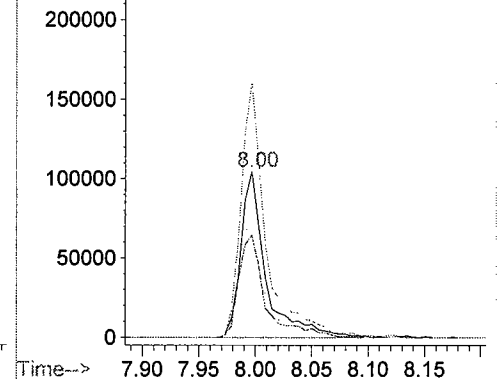
150000

Ion 78.00 (77.70 to 78.70): E2003993.D

100000

50000

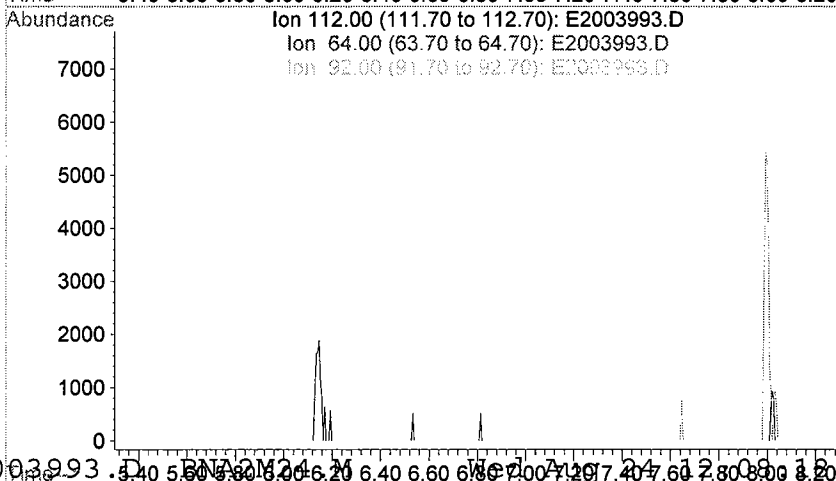
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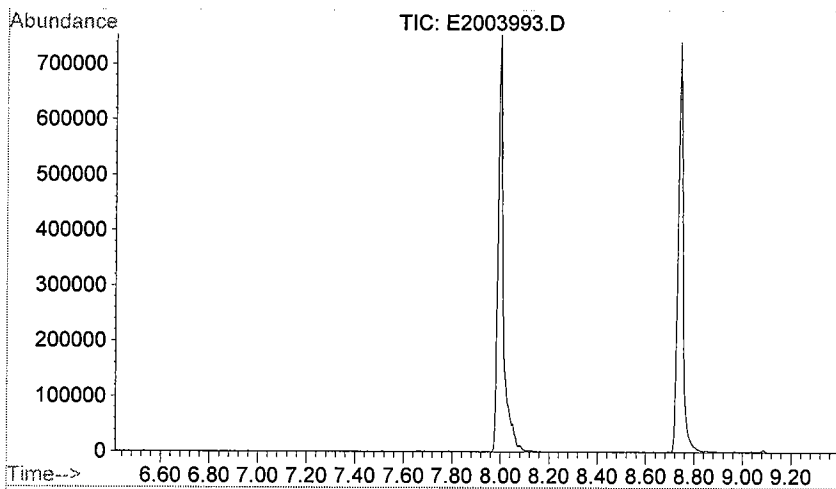


#4
 2-Fluorophenol
 Concen: 0.00 ug/mL
 Expected RT: 6.80 min
 Lab File: E2003993.D
 Acq: 23 Aug 2005 8:14 pm

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	43.8
92	19.1

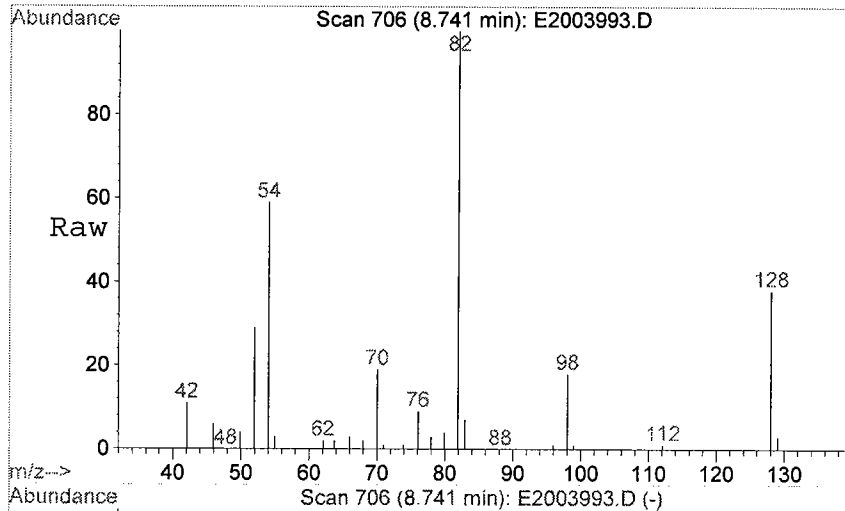
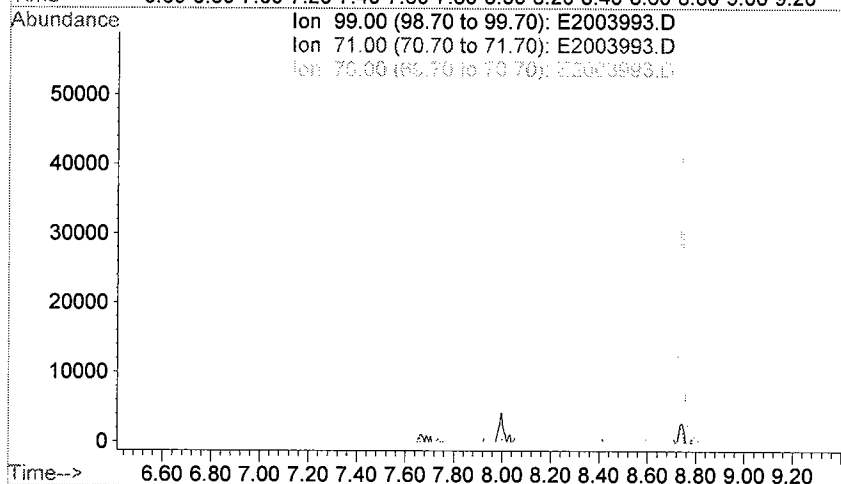




#5
Phenol-d5
Concen: 0.00 ug/mL
Expected RT: 7.91 min

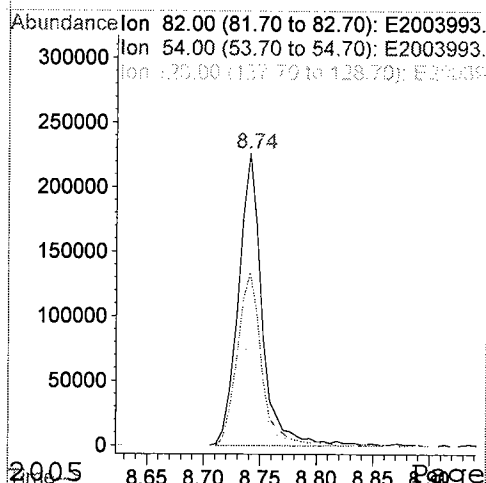
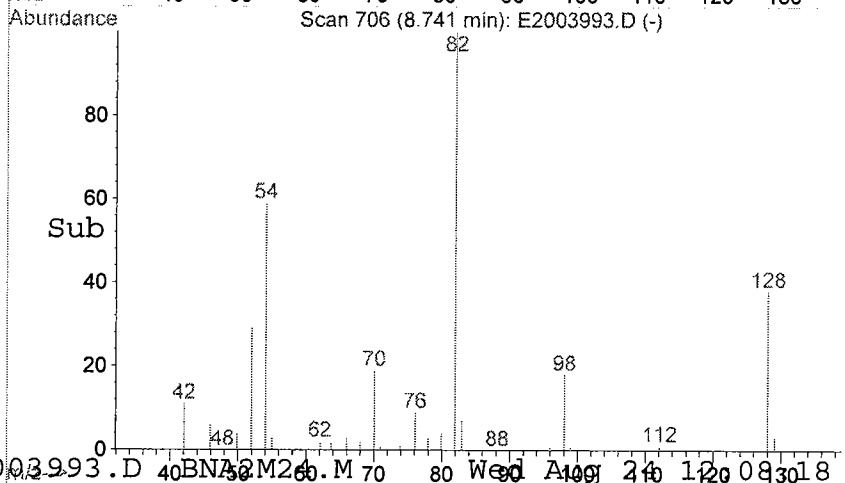
Lab File: E2003993.D
Acq: 23 Aug 2005 8:14 pm

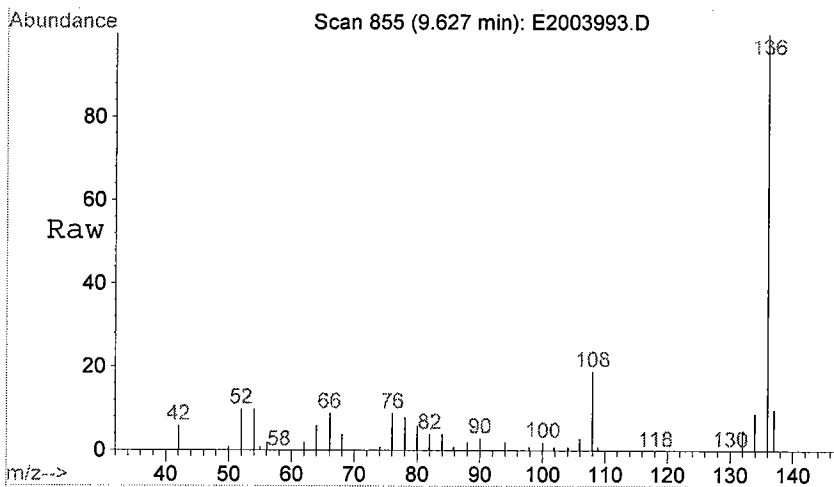
Tgt Ion: 99
Sig Exp Ratio
99 100
71 59.2
70 18.8



#19
Nitrobenzene-d5
Concen: 50.32 ug/mL
RT: 8.74 min Scan# 706
Delta R.T. -0.28 min
Lab File: E2003993.D
Acq: 23 Aug 2005 8:14 pm

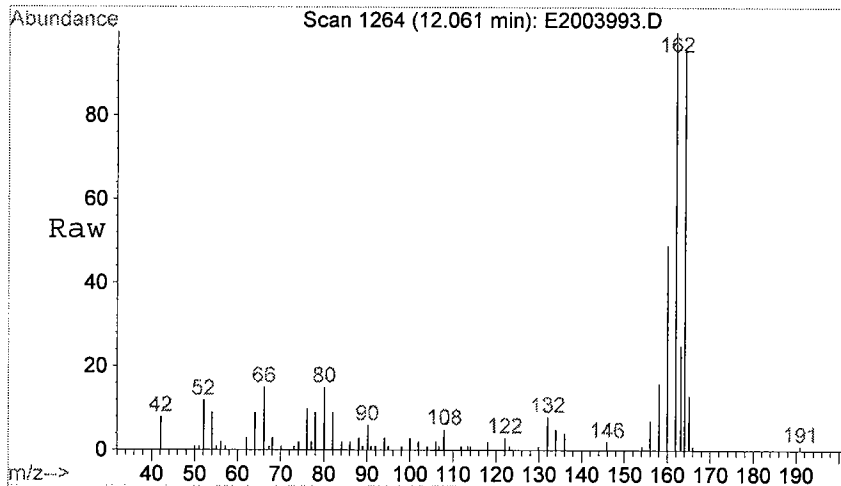
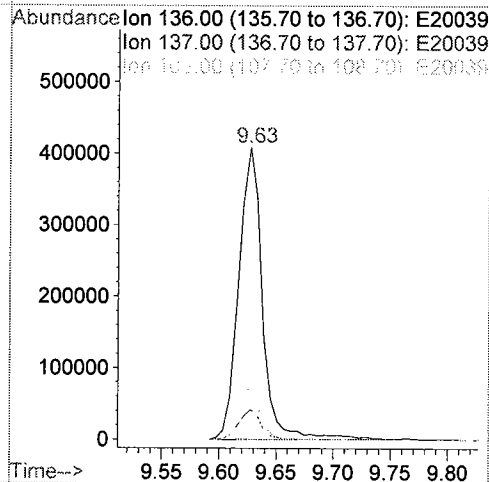
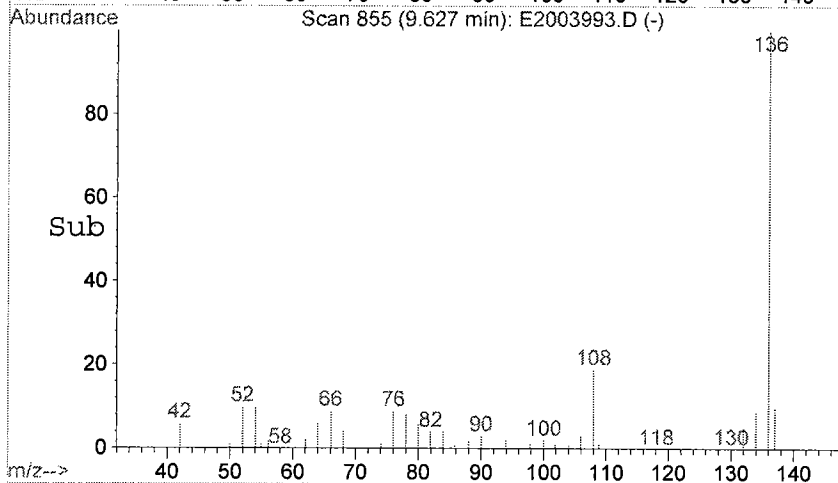
Tgt Ion: 82 Resp: 3315468
Ion Ratio Lower Upper
82 100
54 60.8 46.8 70.2
128 41.1 34.6 52.0





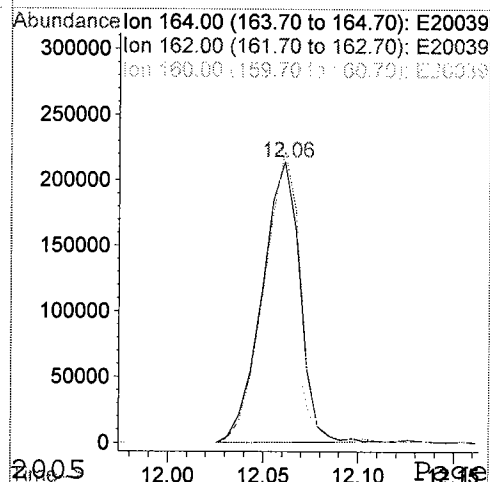
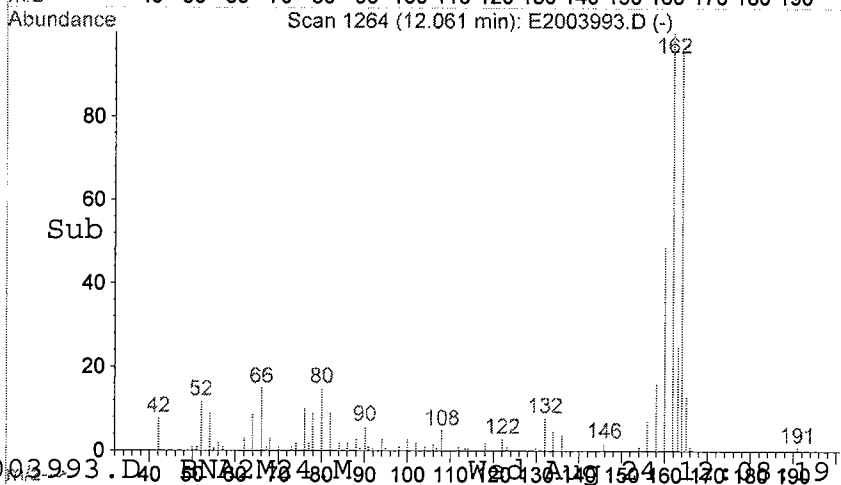
#21
 Naphthalene-d8
 Concen: 40.00 ug/mL
 RT: 9.63 min Scan# 855
 Delta R.T. -0.29 min
 Lab File: E2003993.D
 Acq: 23 Aug 2005 8:14 pm

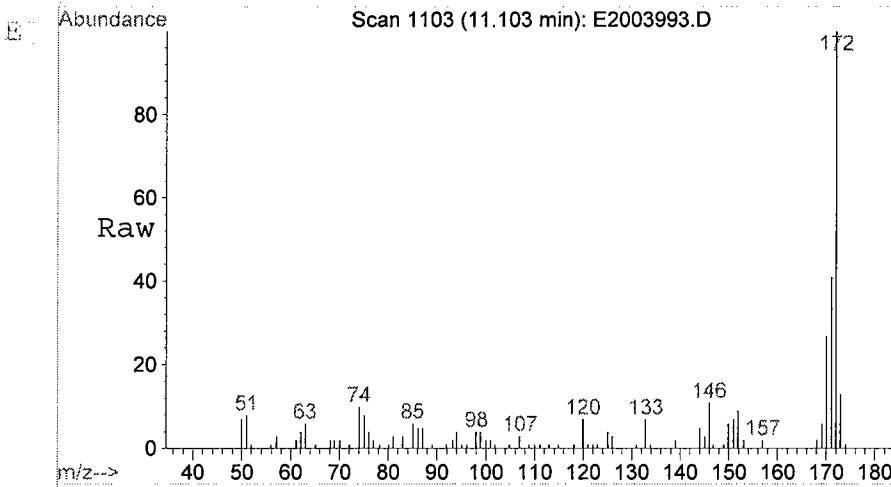
Tgt Ion:	136	Resp:	5866422
Ion Ratio	Lower	Upper	
136	100		
137	9.9	5.4	16.1
108	16.0	8.3	24.8



#35
 Acenaphthene-d10
 Concen: 40.00 ug/mL
 RT: 12.06 min Scan# 1264
 Delta R.T. -0.30 min
 Lab File: E2003993.D
 Acq: 23 Aug 2005 8:14 pm

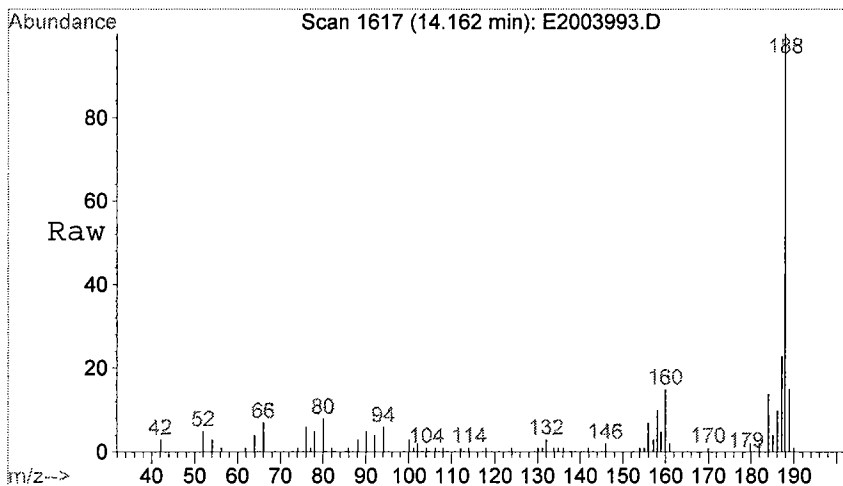
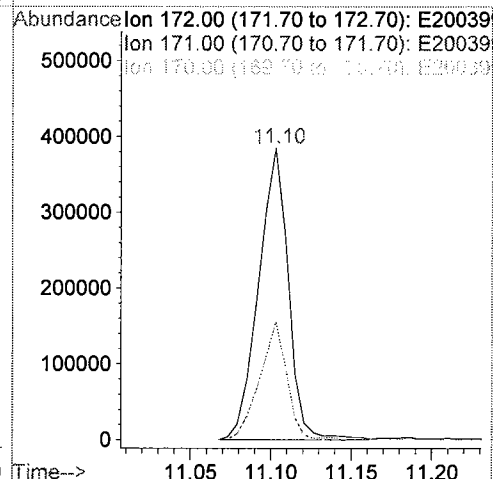
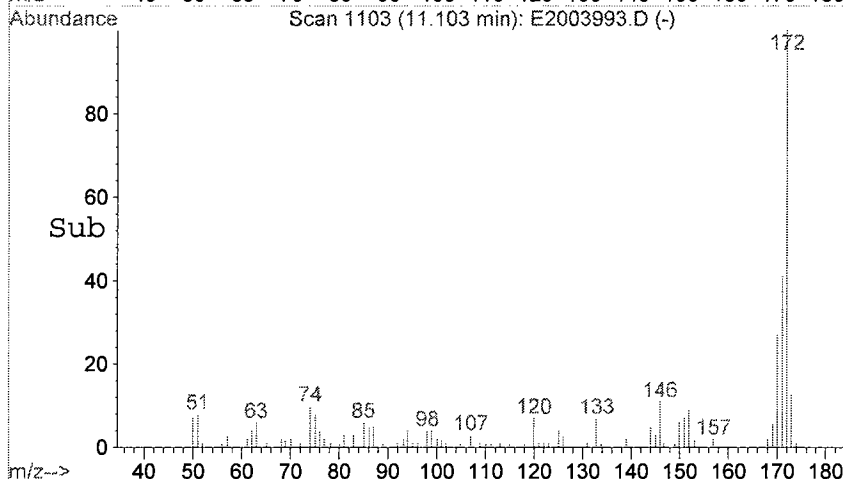
Tgt Ion:	164	Resp:	2961962
Ion Ratio	Lower	Upper	
164	100		
162	100.7	48.6	145.8
160	45.2	22.0	66.0





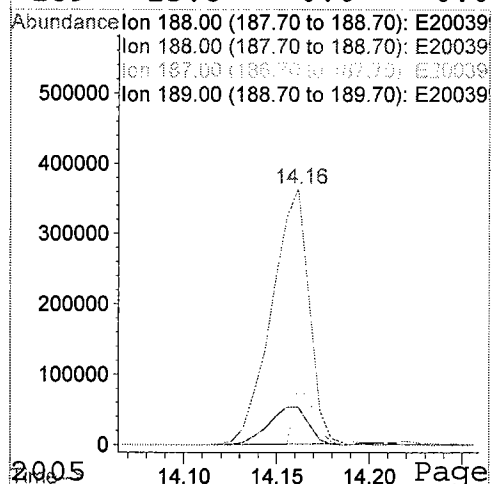
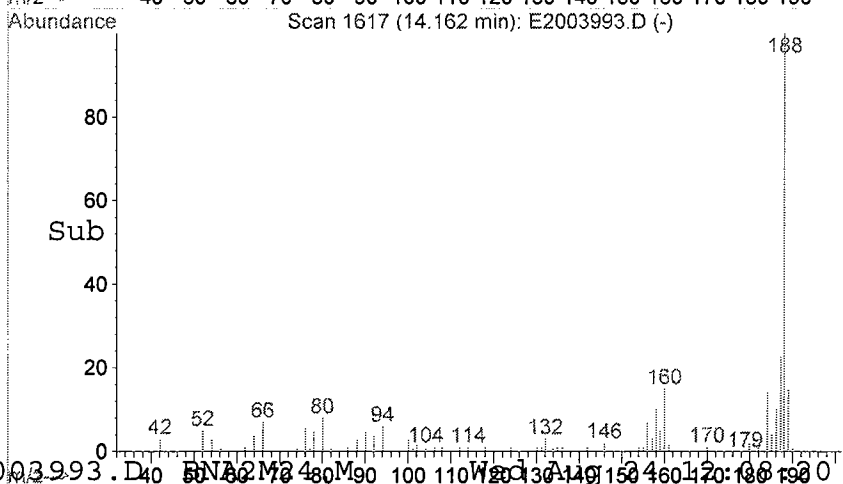
#38
 2-Fluorobiphenyl
 Concen: 51.53 ug/mL
 RT: 11.10 min Scan# 1103
 Delta R.T. -0.30 min
 Lab File: E2003993.D
 Acq: 23 Aug 2005 8:14 pm

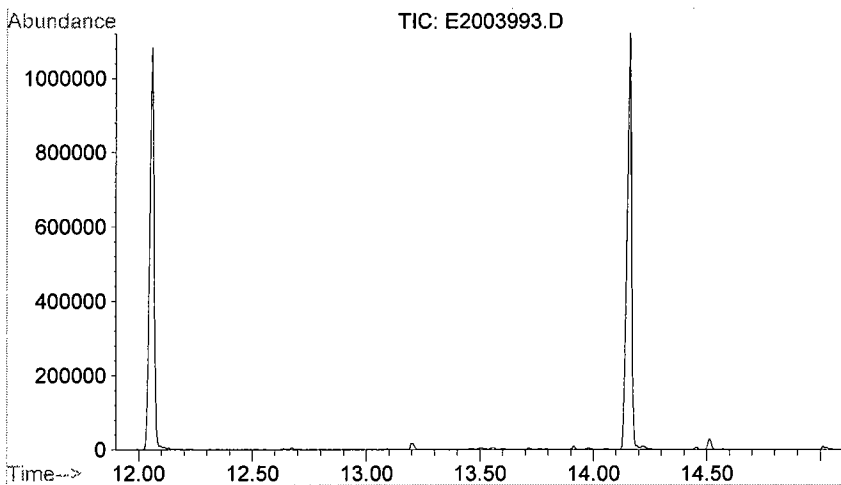
Tgt Ion:172 Resp: 4965682
 Ion Ratio Lower Upper
 172 100
 171 37.2 31.2 46.8
 170 25.7 20.1 30.1



#57
 Phenanthrene-d10
 Concen: 40.00 ug/mL
 RT: 14.16 min Scan# 1617
 Delta R.T. -0.30 min
 Lab File: E2003993.D
 Acq: 23 Aug 2005 8:14 pm

Tgt Ion:188 Resp: 5072093
 Ion Ratio Lower Upper
 188 100
 188 100.0 80.0 120.0
 187 0.0 0.0 0.0
 189 15.8 0.0 0.0#

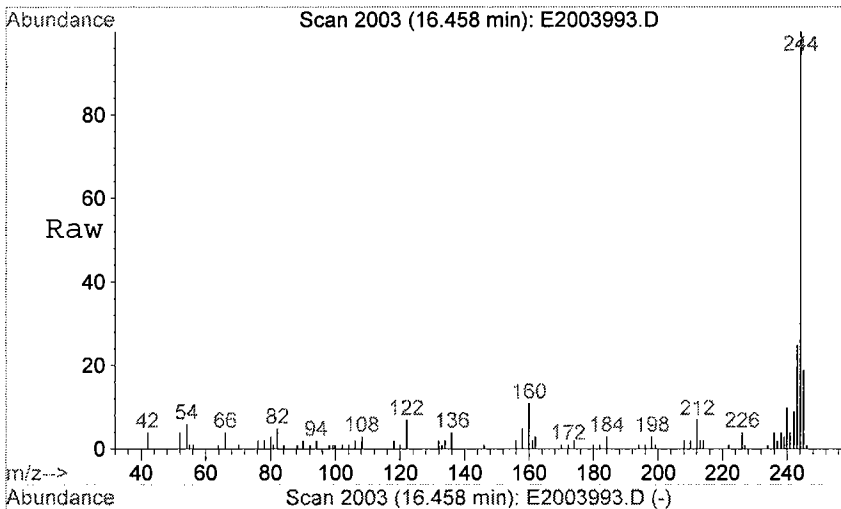
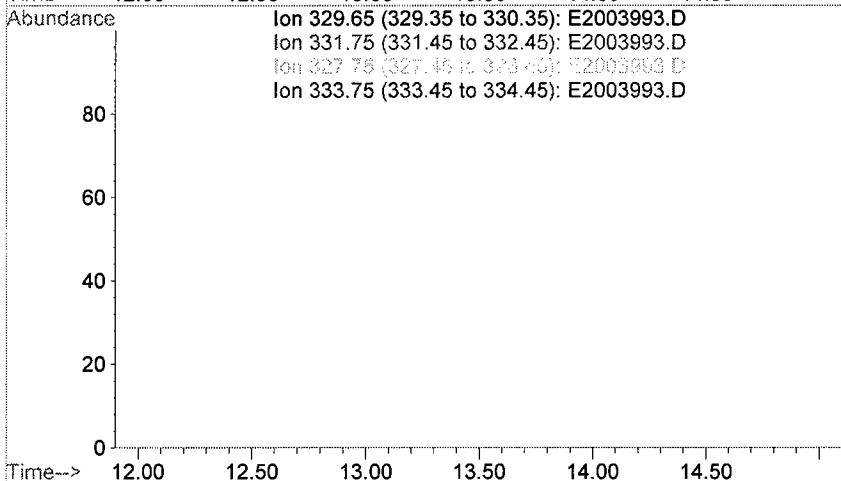




#59
2,4,6-Tribromophenol
Concen: 0.00 ug/mL
Expected RT: 13.50 min

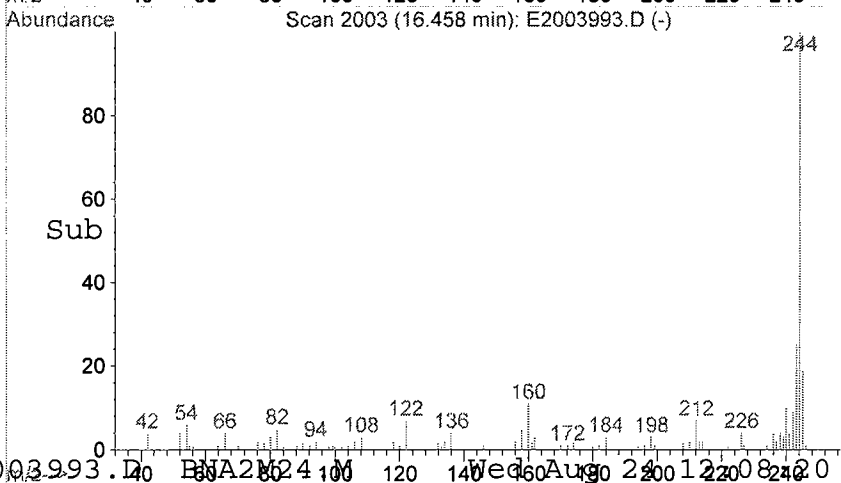
Lab File: E2003993.D
Acq: 23 Aug 2005 8:14 pm

Tgt Ion: 330
Sig Exp Ratio
330 100
332 98.7
328 34.1
334 31.6



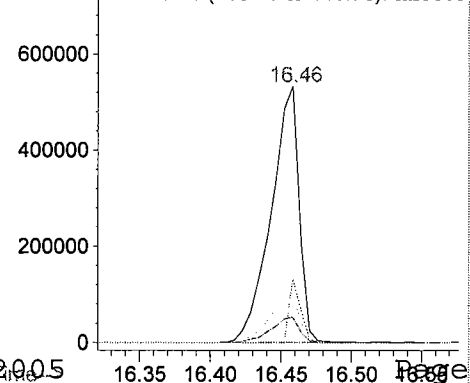
#70
Terphenyl-d14
Concen: 61.02 ug/mL
RT: 16.46 min Scan# 2003
Delta R.T. -0.29 min
Lab File: E2003993.D
Acq: 23 Aug 2005 8:14 pm

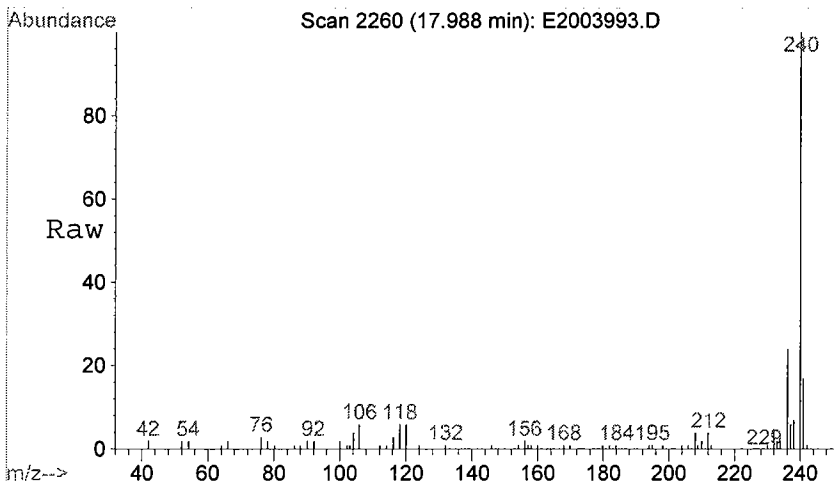
Tgt Ion: 244 Resp: 7271464
Ion Ratio Lower Upper
244 100
243 10.2 20.5 30.7#
245 19.3 15.7 23.5
240 10.0 7.7 11.5



Abundance

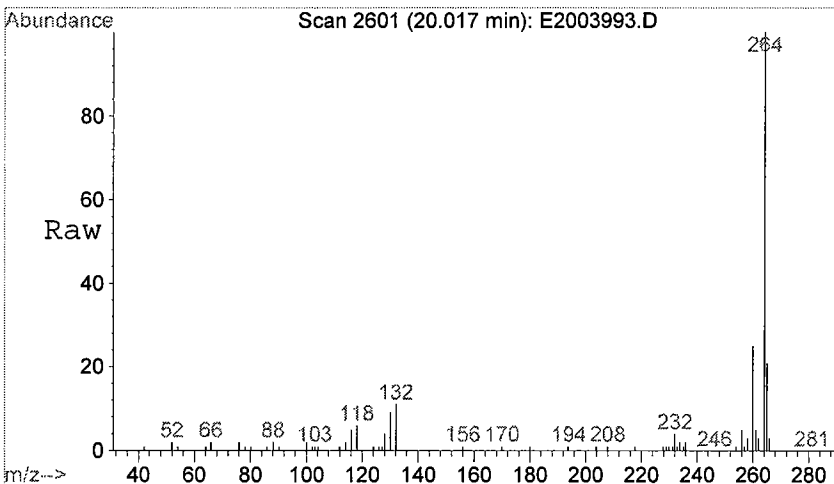
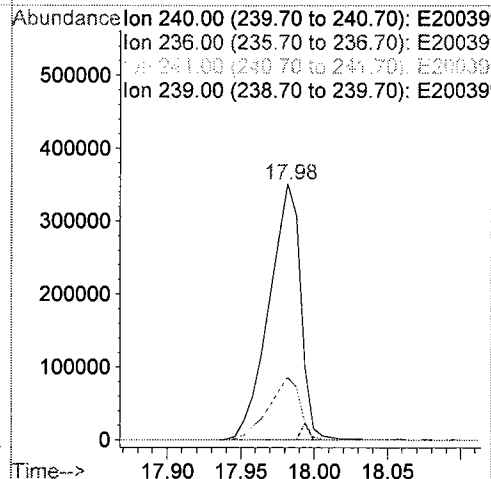
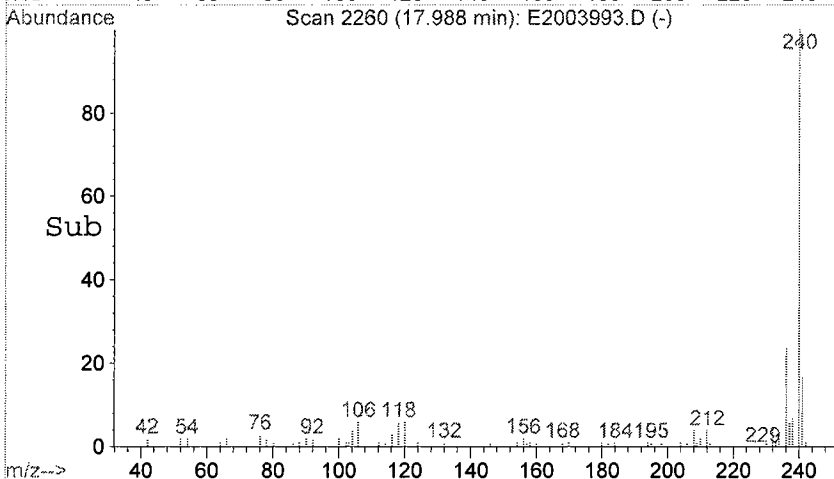
Ion 244.00 (243.70 to 244.70): E2003993.D
Ion 243.00 (242.70 to 243.70): E2003993.D
Ion 245.00 (244.70 to 245.70): E2003993.D
Ion 240.00 (239.70 to 240.70): E2003993.D





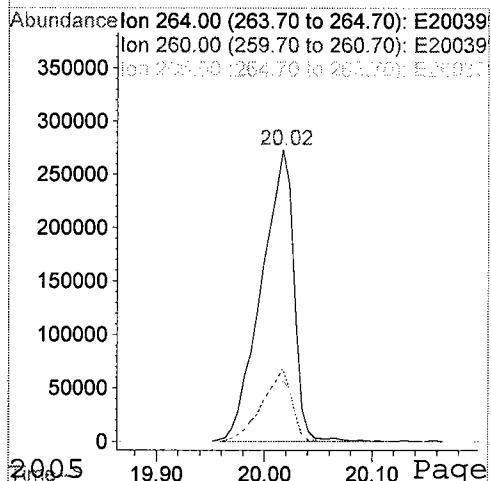
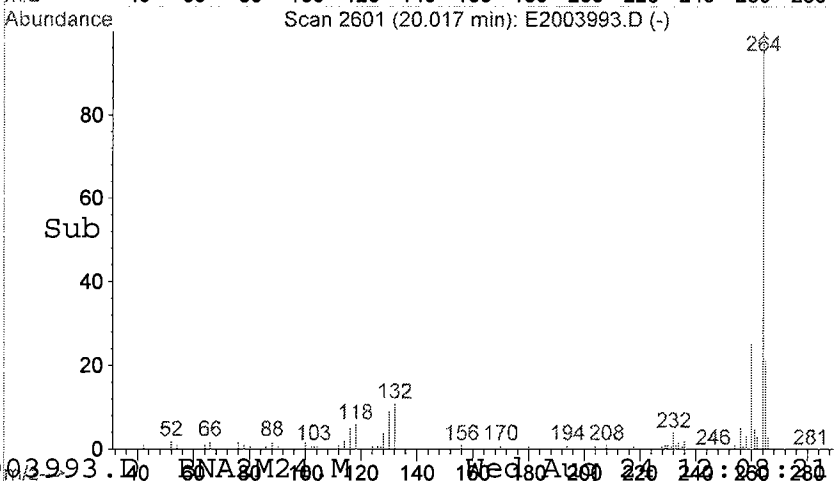
#75
 Chrysene-d12
 Concen: 40.00 ug/mL
 RT: 17.98 min Scan# 2260
 Delta R.T. -0.30 min
 Lab File: E2003993.D
 Acq: 23 Aug 2005 8:14 pm

Tgt Ion:240 Resp: 5233552
 Ion Ratio Lower Upper
 240 100
 236 24.5 12.2 36.6
 241 18.5 9.9 29.6
 239 1.5 0.2 0.6#



#84
 Perylene-d12
 Concen: 40.00 ug/mL
 RT: 20.02 min Scan# 2601
 Delta R.T. -0.36 min
 Lab File: E2003993.D
 Acq: 23 Aug 2005 8:14 pm

Tgt Ion:264 Resp: 5697814
 Ion Ratio Lower Upper
 264 100
 260 22.7 11.0 32.9
 265 21.4 9.8 29.4



Form 1-E
SEMIVOLATILES Tentatively Identified Compounds Data Sheet

Client Sample ID

WC-1 (35-40')

Sample Amount:	950 ML	Date Collected:	8/15/05	Sample Type:	WATER
Matrix:	WATER	Date Received:	8/17/05		
Dilution Factor:	1.00	Date Extracted:	8/22/05	SDG:	05080545
		Date Analyzed:	8/23/05	Lab ID:	05080545-11
		Level:	MEDIUM	Lab File ID:	E2003993.D

CONCENTRATION
UNITS: ug/L DRY

[illegible]

LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\E2003993.D Vial: 7
Acq On : 23 Aug 2005 8:14 pm Operator: SW
Sample : 05080545-11 \$BNEXT/TICW 950ML/1ML ASPB Inst : GCMS BNA
Misc : QBSV2082305A Multiplr: 1.05
MS Integration Params: LSCINT.e

Method : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)
Title : GC MS BNA 2 Semi Volatiles Calibration

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	4.617	8	13	17	BV	2823	32183	0.13%	0.020%
2	4.682	17	24	29	PV	3283	85560	0.35%	0.053%
3	4.724	29	31	35	VV	2763	37186	0.15%	0.023%
4	4.766	35	38	43	PV	2241	29938	0.12%	0.019%
5	4.807	43	45	48	PV	1711	25693	0.11%	0.016%
6	4.837	48	50	55	VV	2262	23962	0.10%	0.015%
7	4.986	71	75	83	PV	1671	22443	0.09%	0.014%
8	5.616	175	181	204	BV 3	147061	3295689	13.50%	2.039%
9	5.777	204	208	218	VV 3	7676	214281	0.88%	0.133%
10	5.884	223	226	230	VV 3	2830	32520	0.13%	0.020%
11	5.920	230	232	236	VV 3	2206	23542	0.10%	0.015%
12	6.146	266	270	281	BB	5886	99804	0.41%	0.062%
13	6.319	294	299	306	PV	4483	58316	0.24%	0.036%
14	7.663	520	525	535	PV	2413	49696	0.20%	0.031%
15	7.997	567	581	600	BV	722519	11782712	48.26%	7.290%
16	8.122	600	602	611	VV	2829	53406	0.22%	0.033%
17	8.568	675	677	679	VV	1774	11924	0.05%	0.007%
18	8.741	696	706	723	BV	715836	10756828	44.06%	6.655%
19	8.854	723	725	728	VV 2	3232	40433	0.17%	0.025%
20	8.973	741	745	748	VV	2413	26628	0.11%	0.016%
21	9.038	753	756	761	VV	2238	24941	0.10%	0.015%
22	9.086	761	764	769	VV	4438	44446	0.18%	0.027%
23	9.627	848	855	876	VV	969502	13925397	57.03%	8.615%
24	9.764	876	878	882	VV	3059	40462	0.17%	0.025%
25	9.948	907	909	911	BV	1643	8572	0.04%	0.005%
26	9.996	911	917	919	PV	2745	45367	0.19%	0.028%
27	10.014	919	920	926	VV	2127	34366	0.14%	0.021%
28	10.377	967	981	983	BV	2567	52469	0.21%	0.032%
29	10.401	983	985	989	VV	3229	31054	0.13%	0.019%
30	10.496	995	1001	1004	BV	4322	59850	0.25%	0.037%
31	10.526	1004	1006	1011	VB	2873	28579	0.12%	0.018%
32	10.942	1067	1076	1084	BV 2	14537	185033	0.76%	0.114%
33	11.103	1090	1103	1113	BV	1431312	18336511	75.10%	11.344%
34	11.174	1113	1115	1119	VV 2	4090	67771	0.28%	0.042%

000433

35	11.222	1119	1123	1127	VV	3099	64896	0.27%	0.040%
36	11.305	1127	1137	1146	VV 2	42755	556166	2.28%	0.344%
37	12.061	1258	1264	1288	PV	1046672	14705696	60.23%	9.098%
38	12.216	1288	1290	1298	VV	2218	34386	0.14%	0.021%
39	12.638	1358	1361	1365	VV	2776	36717	0.15%	0.023%
40	12.674	1365	1367	1370	VV	5553	44942	0.18%	0.028%
41	12.704	1370	1372	1376	PV	1820	21185	0.09%	0.013%
42	13.096	1435	1438	1441	BV	3024	29032	0.12%	0.018%
43	13.203	1451	1456	1465	VV 2	18316	219866	0.90%	0.136%
44	13.465	1492	1500	1503	BV	3814	62552	0.26%	0.039%
45	13.513	1503	1508	1512	VV 2	5264	96826	0.40%	0.060%
46	13.560	1512	1516	1520	VV	5507	81720	0.33%	0.051%
47	13.608	1520	1524	1529	PV	2468	41678	0.17%	0.026%
48	13.691	1537	1538	1540	PV	1694	7758	0.03%	0.005%
49	13.715	1540	1542	1546	VV	4867	52713	0.22%	0.033%
50	13.769	1546	1551	1554	VV	3025	46861	0.19%	0.029%
51	13.804	1554	1557	1561	VV	2498	35766	0.15%	0.022%
52	13.918	1569	1576	1581	PV	9689	100838	0.41%	0.062%
53	13.983	1581	1587	1592	PV	4419	64895	0.27%	0.040%
54	14.066	1595	1601	1605	VV	2624	46921	0.19%	0.029%
55	14.162	1609	1617	1624	VV	1092093	15416203	63.14%	9.538%
56	14.221	1624	1627	1634	VV 2	9941	172835	0.71%	0.107%
57	14.417	1658	1660	1662	PV 2	1794	11990	0.05%	0.007%
58	14.459	1662	1667	1669	VV	7023	72968	0.30%	0.045%
59	14.483	1669	1671	1672	PV	1836	10803	0.04%	0.007%
60	14.513	1672	1676	1681	VV	29301	321787	1.32%	0.199%
61	15.012	1757	1760	1772	VV 3	8322	146711	0.60%	0.091%
62	15.102	1772	1775	1778	PV 3	1693	14008	0.06%	0.009%
63	15.429	1828	1830	1837	VV 3	1849	21372	0.09%	0.013%
64	15.524	1844	1846	1850	VV 3	2672	37753	0.15%	0.023%
65	15.625	1858	1863	1865	VV 3	3126	40215	0.16%	0.025%
66	15.655	1865	1868	1872	VV 3	2660	35192	0.14%	0.022%
67	15.697	1872	1875	1877	VV	2532	25089	0.10%	0.016%
68	15.768	1883	1887	1894	VV	1824	43284	0.18%	0.027%
69	15.822	1894	1896	1903	VV	2141	32963	0.14%	0.020%
70	15.887	1903	1907	1912	VV	38258	443717	1.82%	0.275%
71	15.994	1923	1925	1929	VV	2045	28835	0.12%	0.018%
72	16.090	1937	1941	1945	VV	8914	101345	0.42%	0.063%
73	16.131	1945	1948	1952	VV	4338	55822	0.23%	0.035%
74	16.173	1952	1955	1959	VV 2	6914	95908	0.39%	0.059%
75	16.304	1975	1977	1979	VV 2	2137	16052	0.07%	0.010%
76	16.328	1979	1981	1984	VV 2	1982	16751	0.07%	0.010%
77	16.458	1994	2003	2012	VV	1754280	24415753	100.00%	15.105%
78	16.524	2012	2014	2016	VV	3870	36178	0.15%	0.022%
79	16.548	2016	2018	2026	VV	3697	81685	0.33%	0.051%
80	16.607	2026	2028	2031	VV	2800	33455	0.14%	0.021%

81	16.637	2031	2033	2034	VV	3154	29346	0.12%	0.018%
82	16.685	2038	2041	2044	VV	3193	29647	0.12%	0.018%
83	16.726	2044	2048	2052	VV	2542	40548	0.17%	0.025%
84	16.756	2052	2053	2056	VV	2646	22323	0.09%	0.014%
85	16.946	2079	2085	2087	VV	3634	38509	0.16%	0.024%
86	16.982	2087	2091	2095	VV	3601	44085	0.18%	0.027%
87	17.048	2099	2102	2104	VV	1934	27873	0.11%	0.017%
88	17.119	2104	2114	2123	VV 3	97420	1671366	6.85%	1.034%
89	17.178	2123	2124	2127	VV 3	6780	70734	0.29%	0.044%
90	17.214	2127	2130	2137	VV 2	5676	106499	0.44%	0.066%
91	17.286	2137	2142	2148	VV	4559	83175	0.34%	0.051%
92	17.345	2148	2152	2154	VV	3185	38317	0.16%	0.024%
93	17.387	2154	2159	2162	VV	2403	44696	0.18%	0.028%
94	17.488	2174	2176	2177	VV	2970	22599	0.09%	0.014%
95	17.518	2177	2181	2186	VV	2786	58984	0.24%	0.036%
96	17.583	2186	2192	2194	VV 2	5107	66313	0.27%	0.041%
97	17.649	2201	2203	2205	VV 2	3197	30096	0.12%	0.019%
98	17.690	2208	2210	2214	VV 2	3263	48967	0.20%	0.030%
99	17.720	2214	2215	2218	VV 2	3025	31764	0.13%	0.020%
100	17.768	2218	2223	2225	VV	3810	57255	0.23%	0.035%
101	17.791	2225	2227	2229	PV	2032	16249	0.07%	0.010%
102	17.815	2229	2231	2233	VV	5781	49322	0.20%	0.031%
103	17.839	2233	2235	2240	VV	2222	39216	0.16%	0.024%
104	17.887	2240	2243	2251	VV	3789	69212	0.28%	0.043%
105	17.982	2251	2259	2269	VV	943617	14718716	60.28%	9.106%
106	18.095	2269	2278	2281	VV	6298	119343	0.49%	0.074%
107	18.142	2281	2286	2290	VV 2	3292	77980	0.32%	0.048%
108	18.178	2290	2292	2300	VV 2	2500	57161	0.23%	0.035%
109	18.250	2300	2304	2307	VV 2	3376	34365	0.14%	0.021%
110	18.285	2307	2310	2312	PV	3639	30226	0.12%	0.019%
111	18.315	2312	2315	2319	PB	2700	28788	0.12%	0.018%
112	18.410	2324	2331	2338	BV 2	3852	52890	0.22%	0.033%
113	18.464	2338	2340	2341	PV 2	2116	15453	0.06%	0.010%
114	18.488	2341	2344	2346	VV 2	2549	27479	0.11%	0.017%
115	18.511	2346	2348	2352	VV 2	3336	47239	0.19%	0.029%
116	18.559	2352	2356	2360	VV 2	2499	46452	0.19%	0.029%
117	18.619	2360	2366	2368	VV	3944	64842	0.27%	0.040%
118	18.642	2368	2370	2375	VV	3256	47177	0.19%	0.029%
119	18.714	2380	2382	2383	VV	2925	20759	0.09%	0.013%
120	18.755	2388	2389	2391	VV	3163	20519	0.08%	0.013%
121	18.779	2391	2393	2395	VV	4092	38367	0.16%	0.024%
122	18.803	2395	2397	2407	VV 2	5338	108590	0.44%	0.067%
123	18.874	2407	2409	2413	VV	2617	45062	0.18%	0.028%
124	18.993	2413	2429	2444	VV	258446	3705989	15.18%	2.293%
125	19.089	2444	2445	2446	VV	3916	29709	0.12%	0.018%
126	19.154	2446	2456	2464	VV 2	8105	262088	1.07%	0.162%
127	19.214	2464	2466	2467	VV	3590	38287	0.16%	0.024%

128	19.231	2467	2469	2480	VV	4452	147027	0.60%	0.091%
129	19.309	2480	2482	2484	VV	5290	42307	0.17%	0.026%
130	19.333	2484	2486	2499	VV 3	4189	186992	0.77%	0.116%
131	19.434	2499	2503	2506	VV	3314	63288	0.26%	0.039%
132	19.469	2506	2509	2511	VV	4149	41737	0.17%	0.026%
133	19.499	2511	2514	2517	VV	3622	55067	0.23%	0.034%
134	19.529	2517	2519	2520	VV	4881	36948	0.15%	0.023%
135	19.547	2520	2522	2526	VV 2	7032	87485	0.36%	0.054%
136	19.588	2526	2529	2531	VV	4950	59247	0.24%	0.037%
137	19.612	2531	2533	2535	VV	5367	53662	0.22%	0.033%
138	19.648	2535	2539	2543	VV 2	6943	146156	0.60%	0.090%
139	19.684	2543	2545	2555	VV 2	3907	131760	0.54%	0.082%
140	19.749	2555	2556	2558	VV 2	7027	53344	0.22%	0.033%
141	19.803	2558	2565	2566	VV	4098	81135	0.33%	0.050%
142	19.821	2566	2568	2573	VV 3	6043	84503	0.35%	0.052%
143	19.862	2573	2575	2578	VV 2	4284	68830	0.28%	0.043%
144	19.898	2578	2581	2583	VV	4822	61316	0.25%	0.038%
145	19.940	2583	2588	2590	VV	4547	76803	0.31%	0.048%
146	20.017	2590	2601	2608	VV	690229	14806720	60.64%	9.160%
147	20.070	2608	2610	2620	VV 3	10659	230933	0.95%	0.143%
148	20.142	2620	2622	2626	VV	6817	102849	0.42%	0.064%
149	20.189	2626	2630	2632	VV	4364	79023	0.32%	0.049%
150	20.213	2632	2634	2639	VV	4787	91416	0.37%	0.057%
151	20.255	2639	2641	2645	VV	6328	92748	0.38%	0.057%
152	20.303	2645	2649	2651	VV	6350	95331	0.39%	0.059%
153	20.344	2651	2656	2663	VV	5385	122355	0.50%	0.076%
154	20.416	2663	2668	2670	VV	4946	67500	0.28%	0.042%
155	20.433	2670	2671	2673	VV	2941	31523	0.13%	0.020%
156	20.469	2673	2677	2679	VV	3639	59266	0.24%	0.037%
157	20.487	2679	2680	2684	VV	4354	55730	0.23%	0.034%
158	20.517	2684	2685	2692	VV 3	4546	96756	0.40%	0.060%
159	20.576	2692	2695	2697	VV 2	4277	62789	0.26%	0.039%
160	20.654	2697	2708	2716	VV	5243	248913	1.02%	0.154%
161	20.731	2716	2721	2729	VV	4976	154659	0.63%	0.096%
162	20.790	2729	2731	2736	VV 2	6356	119387	0.49%	0.074%
163	20.832	2736	2738	2740	VV 2	6462	71822	0.29%	0.044%
164	20.856	2740	2742	2748	VV	6001	118473	0.49%	0.073%
165	20.927	2751	2754	2755	VV	3680	34565	0.14%	0.021%
166	20.945	2755	2757	2766	VV 2	3603	127062	0.52%	0.079%
167	21.011	2766	2768	2770	VV 2	6089	54348	0.22%	0.034%
168	21.034	2770	2772	2775	VV	4924	60847	0.25%	0.038%
169	21.070	2775	2778	2788	VV 2	4886	164362	0.67%	0.102%
170	21.159	2788	2793	2796	VV	4270	82880	0.34%	0.051%
171	21.243	2803	2807	2809	VV	3943	62026	0.25%	0.038%
172	21.314	2809	2819	2823	VV	4649	149357	0.61%	0.092%
173	21.397	2830	2833	2841	VV 2	5567	109739	0.45%	0.068%
174	21.499	2846	2850	2852	VV	4727	70981	0.29%	0.044%

175	21.522	2852	2854	2857	VV	4030	61570	0.25%	0.038%
176	21.552	2857	2859	2861	VV	6256	52321	0.21%	0.032%
177	21.576	2861	2863	2865	VV 2	3976	36241	0.15%	0.022%
178	21.606	2865	2868	2869	VV 2	3940	48383	0.20%	0.030%
179	21.624	2869	2871	2876	VV	3704	75821	0.31%	0.047%
180	21.671	2876	2879	2881	VV	5112	51663	0.21%	0.032%
181	21.713	2881	2886	2892	VV 3	4356	115999	0.48%	0.072%
182	21.754	2892	2893	2895	VV	5785	42607	0.17%	0.026%
183	21.784	2895	2898	2900	VV	3865	37097	0.15%	0.023%
184	21.850	2900	2909	2914	VV 3	6605	169744	0.70%	0.105%
185	21.891	2914	2916	2918	VV	3598	36663	0.15%	0.023%
186	21.915	2918	2920	2921	VV 2	4194	41756	0.17%	0.026%
187	21.933	2921	2923	2926	VV	5180	57870	0.24%	0.036%
188	21.963	2926	2928	2930	VV	3671	34610	0.14%	0.021%
189	22.016	2930	2937	2939	VV 2	6377	111335	0.46%	0.069%
190	22.040	2939	2941	2948	VV	4216	88204	0.36%	0.055%
191	22.123	2952	2955	2963	VV 3	4126	103441	0.42%	0.064%
192	22.219	2963	2971	2974	VV 2	5545	110225	0.45%	0.068%
193	22.260	2974	2978	2985	VV 2	4070	101984	0.42%	0.063%
194	22.308	2985	2986	2989	VV	6975	52923	0.22%	0.033%
195	22.350	2989	2993	2995	VV 2	4186	74542	0.31%	0.046%
196	22.421	2999	3005	3010	VV	4590	118377	0.48%	0.073%
197	22.469	3010	3013	3020	VV	5079	108706	0.45%	0.067%
198	22.534	3020	3024	3026	VV	4006	61689	0.25%	0.038%
199	22.552	3026	3027	3030	VV	4441	46184	0.19%	0.029%
200	22.605	3034	3036	3041	VV 2	6253	92523	0.38%	0.057%
201	22.647	3041	3043	3045	VV	4234	38199	0.16%	0.024%
202	22.707	3050	3053	3056	VV	5614	76345	0.31%	0.047%
203	22.730	3056	3057	3061	VV	4517	57266	0.23%	0.035%
204	22.772	3061	3064	3066	VV	3971	44403	0.18%	0.027%
205	22.843	3074	3076	3077	VV	3480	32060	0.13%	0.020%
206	22.861	3077	3079	3087	VV	4846	105404	0.43%	0.065%
207	22.921	3087	3089	3096	VV	4481	58934	0.24%	0.036%
208	22.986	3096	3100	3108	VV	4119	116908	0.48%	0.072%
209	23.046	3108	3110	3113	PV	4099	31482	0.13%	0.019%

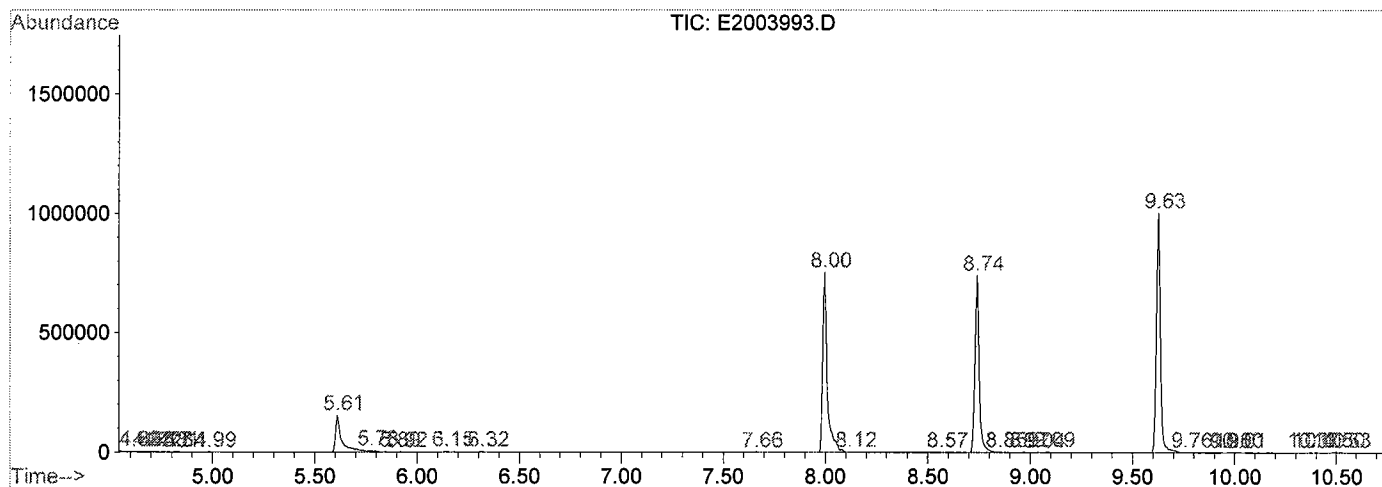
Sum of corrected areas: 161637668

E2003993.D BNA2M24.M Wed Aug 24 11:06:07 2005

000437

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\E2003993.D
 Operator : SW
 Acquired : 23 Aug 2005 8:14 pm using AcqMethod BNA2M24
 Instrument : GCMS BNA
 Sample Name: 05080545-11 \$BNEXT/TICW 950ML/1ML ASPB
 Misc Info : QBSV2082305A
 Vial Number: 7
 Quant File :BNA2M24.RES (Chemstation Integrator)



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\E2003993.D

Vial: 7

Acq On : 23 Aug 2005 8:14 pm

Operator: SW

Sample : 05080545-11 \$BNEXT/TICW 950ML/1ML ASPB

Inst : GCMS BNA

Misc : QBSV2082305A

Multiplr: 1.05

MS Integration Params: LSCINT.e

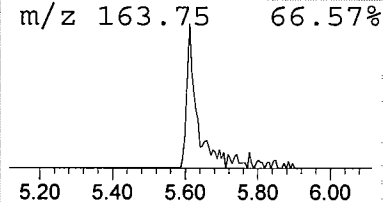
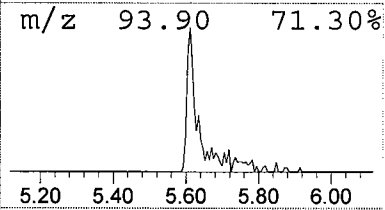
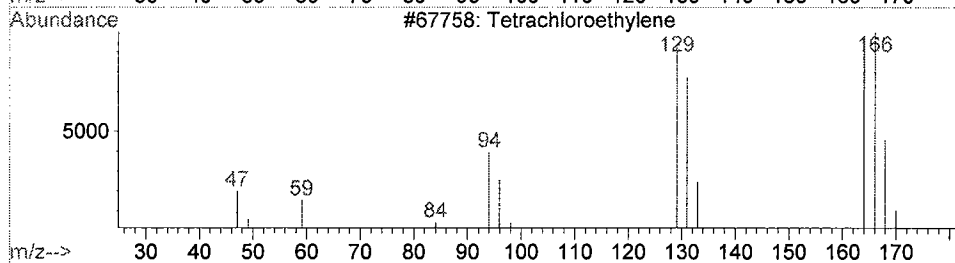
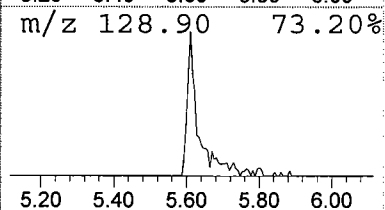
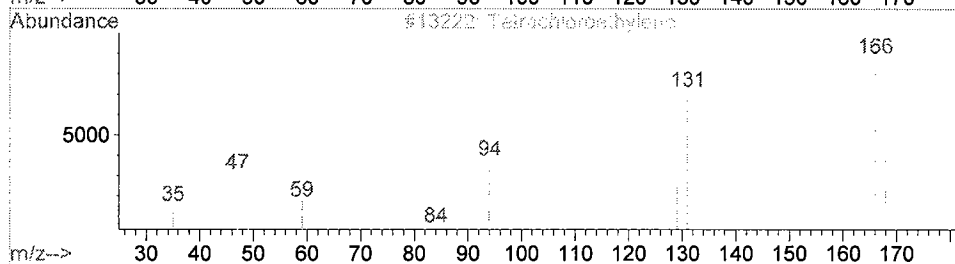
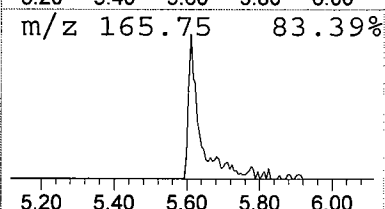
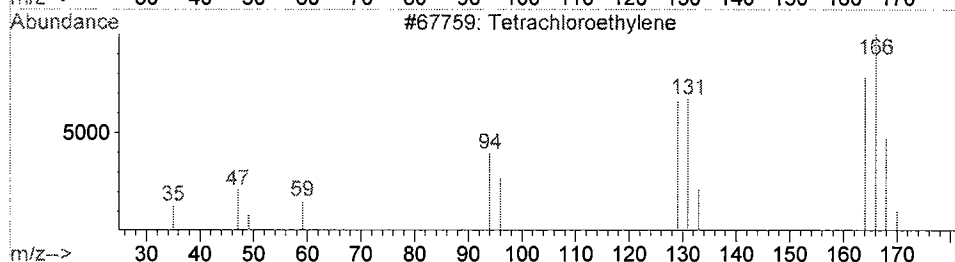
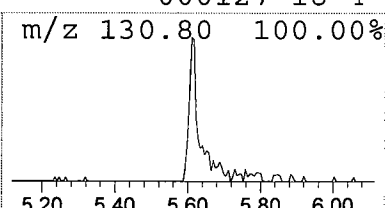
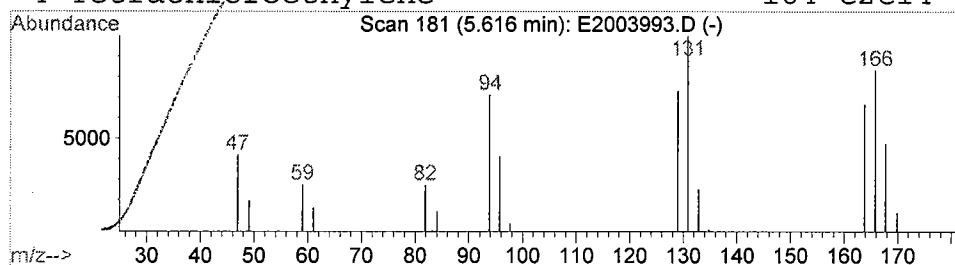
Quant Method : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)

Title : GC MS BNA 2 Semi Volatiles Calibration

Library : C:\DATABASE\NBS75K.L

Peak Number 1 Tetrachloroethylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
5.61	11.75 ug/mL	3295690	1,4-Dichlorobenzene-d4	8.00	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetrachloroethylene	164	C2Cl4	000127-18-4	93
2	Tetrachloroethylene	164	C2Cl4	000127-18-4	81
3	Tetrachloroethylene	164	C2Cl4	000127-18-4	76
4	Tetrachloroethylene	164	C2Cl4	000127-18-4	70



Tentatively Identified Compound (LSC) summary

Operator ID: SW Date Acquired: 23 Aug 2005 8:14 pm
 Data File: C:\HPCHEM\1\DATA\E2003993.D
 Name: 05080545-11 \$BNEXT/TICW 950ML/1ML ASPB
 Misc: QBSV2082305A
 Method: C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)
 Title: GC MS BNA 2 Semi Volatiles Calibration
 Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc Units	Area	IntStd	ISRT	ISArea	ISConc
Tetrachloroethylene	5.61	11.7 ug/mL	3295690	ISTD01	8.00	11782700	40.0
9-Octadecenamide, (Z	17.12	4.8 ug/mL	1671370	ISTD05	17.98	14718700	40.0
9-Octadecenamide, (Z	18.99	10.6 ug/mL	3705990	ISTD05	17.98	14718700	40.0

E2003993.D BNA2M24.M Wed Aug 24 11:06:10 2005

Op
 Da
 Na
 Mi
 Me
 Ti
 Li

T
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 9-

F
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 N
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000440

Form 1
SEMIVOLATILE Organics Analysis Data Sheet- EPA 8270

Client Sample ID

WC-1 (50-55')

Sample Amount:	950 ml	Date Collected:	8/15/05	Sample Type:	WATER
Matrix:	WATER	Date Received:	8/17/05		
Dilution Factor	1.00	Date Extracted:	08/22/05	SDG:	05080545
Conc. Extract Vol.:	1000 ul	Date Analyzed:	08/23/05	Lab ID:	05080545-12
Injection Volume:	1.0 ul	Level:	LOW	Lab File ID:	E2003994.D
GPC Cleanup:	N				

CONCENTRATION
UNITS: **ug/L**

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
WC-1 (50-55')	05080545-12	Acenaphthene	10 U
WC-1 (50-55')	05080545-12	Acenaphthylene	10 U
WC-1 (50-55')	05080545-12	Anthracene	10 U
WC-1 (50-55')	05080545-12	Benzo(a)anthracene	10 U
WC-1 (50-55')	05080545-12	Benzo(b)fluoranthene	10 U
WC-1 (50-55')	05080545-12	Benzo(k)fluoranthene	10 U
WC-1 (50-55')	05080545-12	Benzo(g,h,i)perylene	10 U
WC-1 (50-55')	05080545-12	Benzo(a)pyrene	10 U
WC-1 (50-55')	05080545-12	Bis(2-chloroethoxy)methane	10 U
WC-1 (50-55')	05080545-12	Bis(2-chloroethyl)ether	10 U
WC-1 (50-55')	05080545-12	Bis(2-chloroisopropyl)ether	10 U
WC-1 (50-55')	05080545-12	Bis(2-ethylhexyl)phthalate	10 U
WC-1 (50-55')	05080545-12	4-Bromophenyl phenyl ether	10 U
WC-1 (50-55')	05080545-12	Butyl benzyl phthalate	10 U
WC-1 (50-55')	05080545-12	4-Chloroaniline	10 U
WC-1 (50-55')	05080545-12	2-Chloronaphthalene	10 U
WC-1 (50-55')	05080545-12	4-Chlorophenyl phenyl ether	10 U
WC-1 (50-55')	05080545-12	Chrysene	10 U
WC-1 (50-55')	05080545-12	Dibenzo(a,h)anthracene	10 U
WC-1 (50-55')	05080545-12	Dibenzofuran	10 U
WC-1 (50-55')	05080545-12	Di-n-butylphthalate	10 U
WC-1 (50-55')	05080545-12	1,3-Dichlorobenzene	10 U
WC-1 (50-55')	05080545-12	1,4-Dichlorobenzene	10 U
WC-1 (50-55')	05080545-12	1,2-Dichlorobenzene	10 U
WC-1 (50-55')	05080545-12	3,3'-Dichlorobenzidine	10 U
WC-1 (50-55')	05080545-12	Diethylphthalate	10 U
WC-1 (50-55')	05080545-12	Dimethylphthalate	10 U
WC-1 (50-55')	05080545-12	2,4-Dinitrotoluene	10 U
WC-1 (50-55')	05080545-12	2,6-Dinitrotoluene	10 U
WC-1 (50-55')	05080545-12	Di-n-octylphthalate	10 U
WC-1 (50-55')	05080545-12	Fluoranthene	10 U
WC-1 (50-55')	05080545-12	Fluorene	10 U
WC-1 (50-55')	05080545-12	Hexachlorobenzene	10 U

Data File : C:\HPCHEM\1\DATA\E2003994.D

Vial: 8

Acq On : 23 Aug 2005 8:47 pm

Operator: SW

Sample : 05080545-12 \$BNEXT/TICW 950ML/1ML ASPB

Inst : GCMS BNA

Misc : QBSV2082305A

Multiplr: 1.05

MS Integration Params: events.e

Quant Time: Aug 24 12:08 19105

Quant Results File: BNA2M24.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)

Title : GC MS BNA 2 Semi Volatiles Calibration

Last Update : Thu Jul 28 14:39:42 2005

Response via : Initial Calibration

DataAcq Meth : BNA2M24

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	1585733	40.00	ug/mL	-0.29
21) Naphthalene-d8	9.63	136	5872677	40.00	ug/mL	-0.29
35) Acenaphthene-d10	12.06	164	2961237	40.00	ug/mL	-0.30
57) Phenanthrene-d10	14.16	188	4949928	40.00	ug/mL	-0.30
75) Chrysene-d12	17.99	240	5499410	40.00	ug/mL	-0.30
84) Perylene-d12	20.02	264	6218010	40.00	ug/mL	-0.36

System Monitoring Compounds

4) 2-Fluorophenol	0.00	112	0	0.00	ug/mL	
Spiked Amount	200.000	Range	15 - 87	Recovery	=	0.00%#
5) Phenol-d5	0.00	99	0d	0.00	ug/mL	
Spiked Amount	200.000	Range	10 - 100	Recovery	=	0.00%#
19) Nitrobenzene-d5	8.74	82	3005924	46.50	ug/mL	-0.28
Spiked Amount	100.000	Range	26 - 120	Recovery	=	46.50%
38) 2-Fluorobiphenyl	11.10	172	4850152	50.35	ug/mL	-0.30
Spiked Amount	100.000	Range	29 - 120	Recovery	=	50.35%
59) 2,4,6-Tribromophenol	0.00	330	0	0.00	ug/mL	
Spiked Amount	200.000	Range	35 - 126	Recovery	=	0.00%#
70) Terphenyl-d14	16.46	244	6995236	60.15	ug/mL	-0.28
Spiked Amount	100.000	Range	35 - 127	Recovery	=	60.15%

Target Compounds

Qvalue

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

E2003994.D BNA2M24.M

Wed Aug 24 12:09:04 2005

Page 1

000443

DATA\DATA File : C:\HPCHEM\1\DATA\E2003994.D

Vial: 8

Acq On : 23 Aug 2005 8:47 pm

Operator: SW

Sample : 05080545-12 \$BNEXT/TICW 950ML/1ML ASPB

Inst : GCMS BNA

Misc : QBSV2082305A

Multiplr: 1.05

MS Integration Params: events.e

Quant Time: Aug 24 12:08 19105

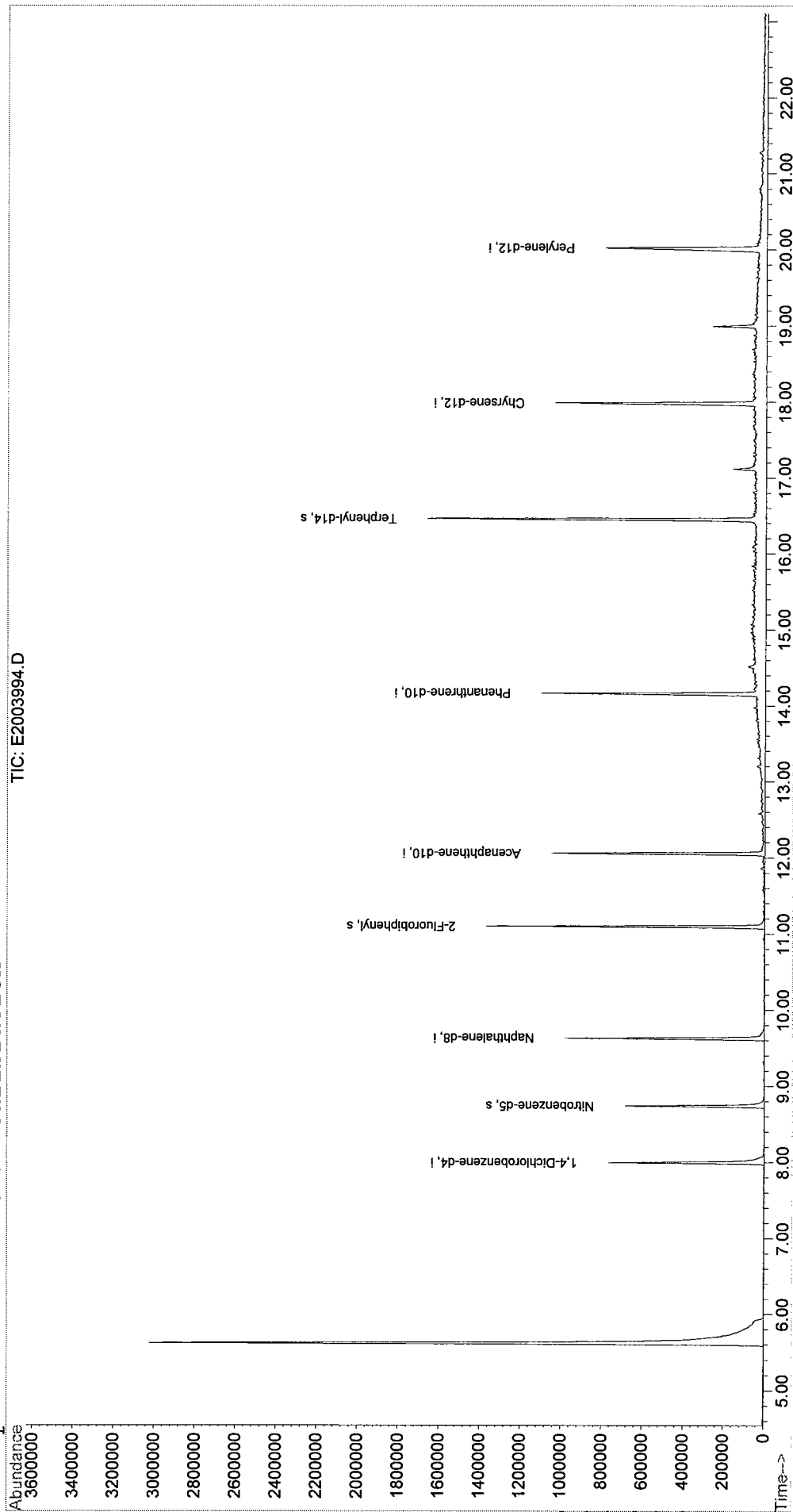
Quant Results File: BNA2M24.RES

Method : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)

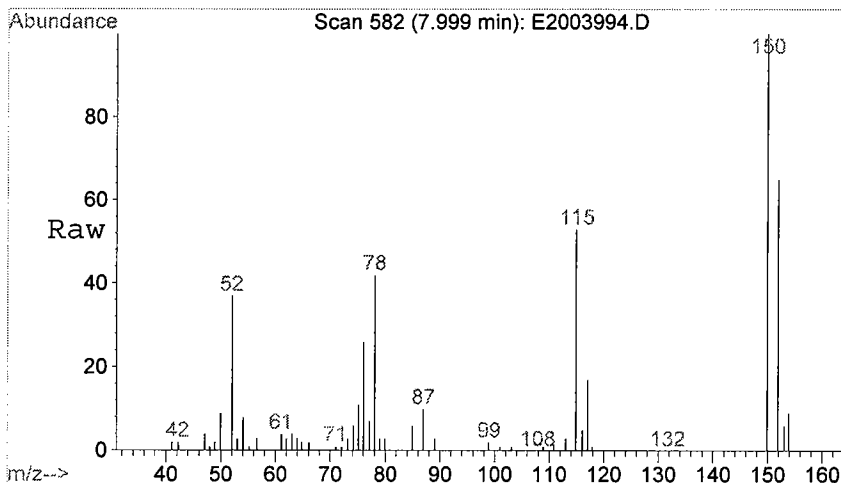
Title : GC MS BNA 2 Semi Volatiles Calibration

Last Update : Thu Jul 28 14:39:42 2005

Response via : Initial Calibration

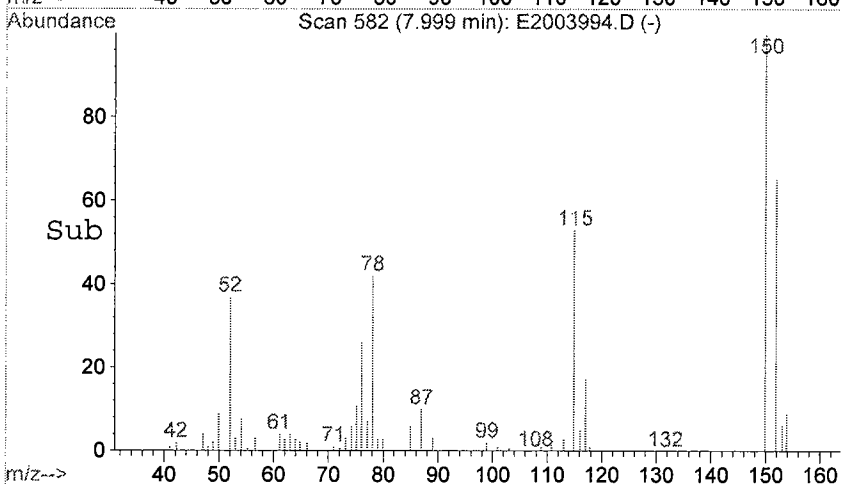


000444



#1
 1,4-Dichlorobenzene-d4
 Concen: 40.00 ug/mL
 RT: 8.00 min Scan# 582
 Delta R.T. -0.29 min
 Lab File: E2003994.D
 Acq: 23 Aug 2005 8:47 pm

Tgt Ion:152 Resp: 1585733
 Ion Ratio Lower Upper
 152 100
 150 163.8 90.1 270.2
 115 76.8 36.0 107.9
 78 67.8 29.7 89.1



Abundance

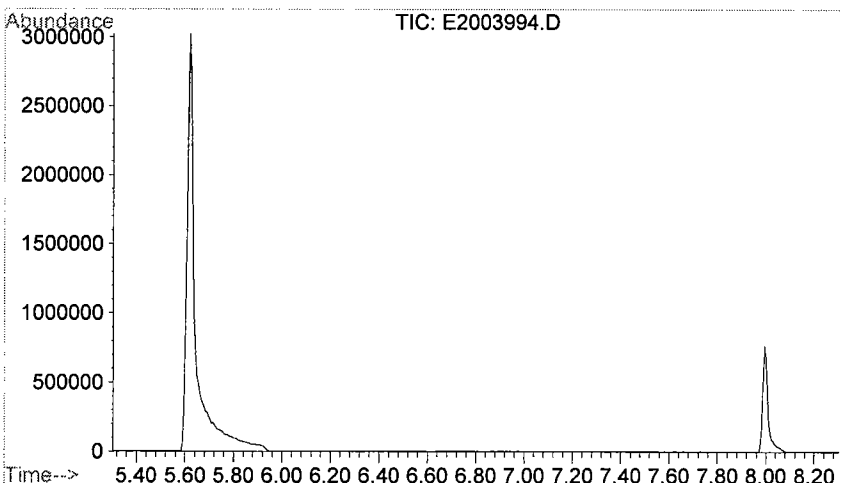
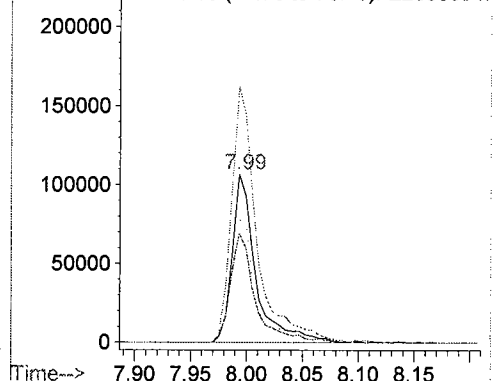
Ion 152.00 (151.70 to 152.70): E2003994.D

250000

Ion 150.00 (149.70 to 150.70): E2003994.D

Ion 115.00 (114.70 to 115.70): E2003994.D

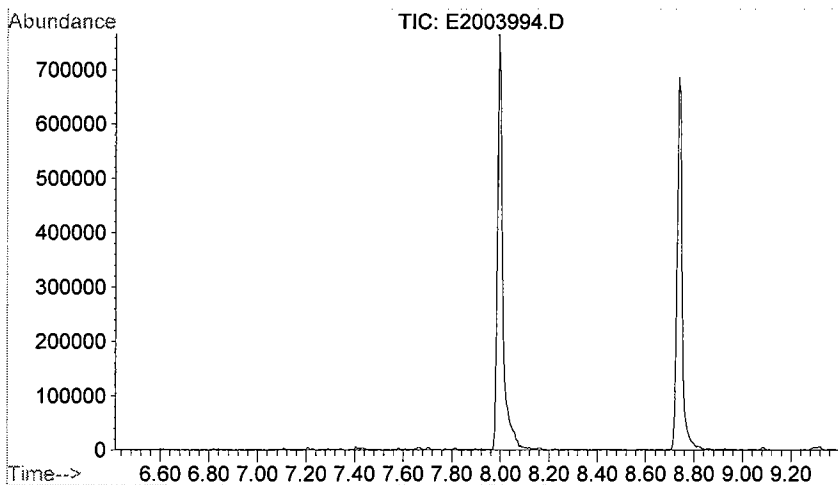
Ion 78.00 (77.70 to 78.70): E2003994.D



#4
 2-Fluorophenol
 Concen: 0.00 ug/mL
 Expected RT: 6.80 min
 Lab File: E2003994.D
 Acq: 23 Aug 2005 8:47 pm

Tgt Ion: 112
 Sig Exp Ratio
 112 100
 64 43.8
 92 19.1

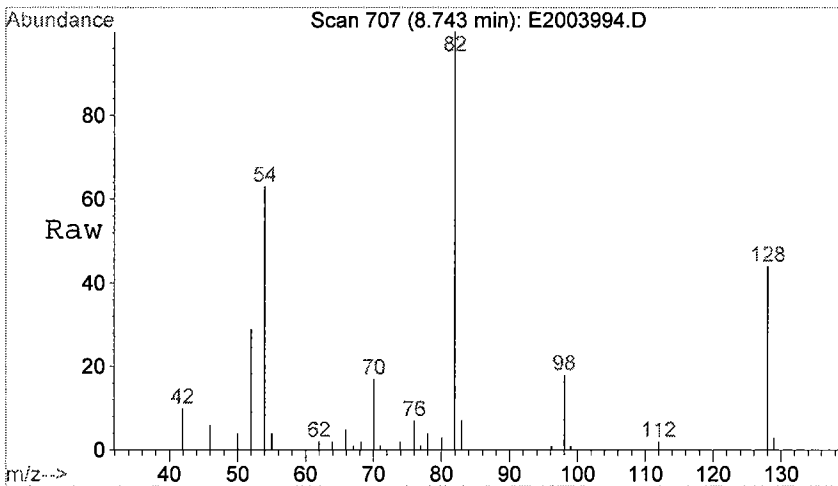
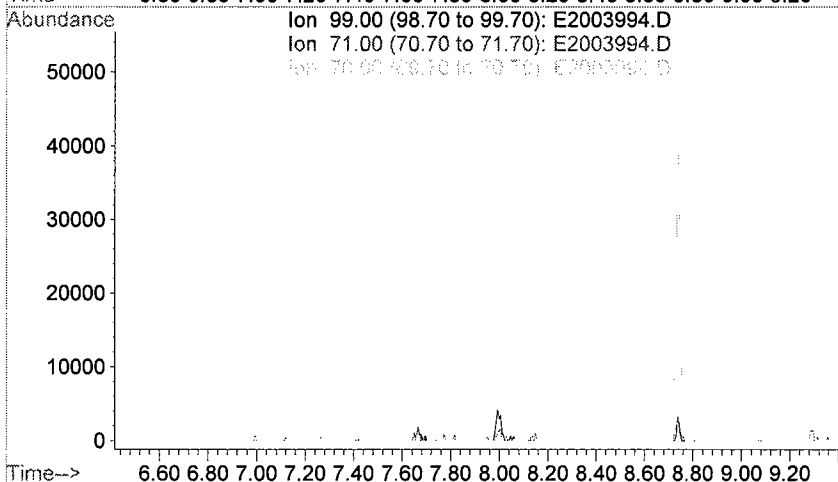




#5
Phenol-d5
Concen: 0.00 ug/mL
Expected RT: 7.91 min

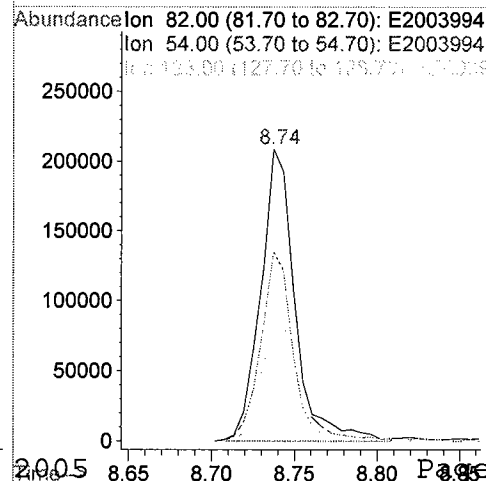
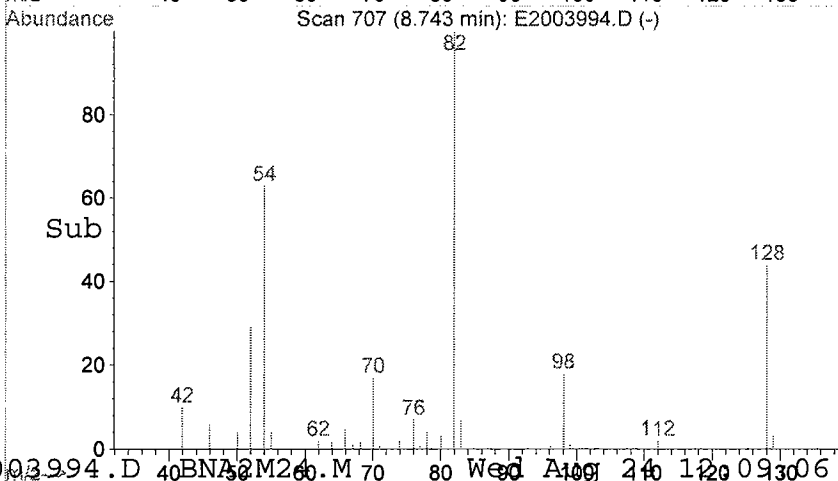
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Acq: 23 Aug 2005 8:47 pm

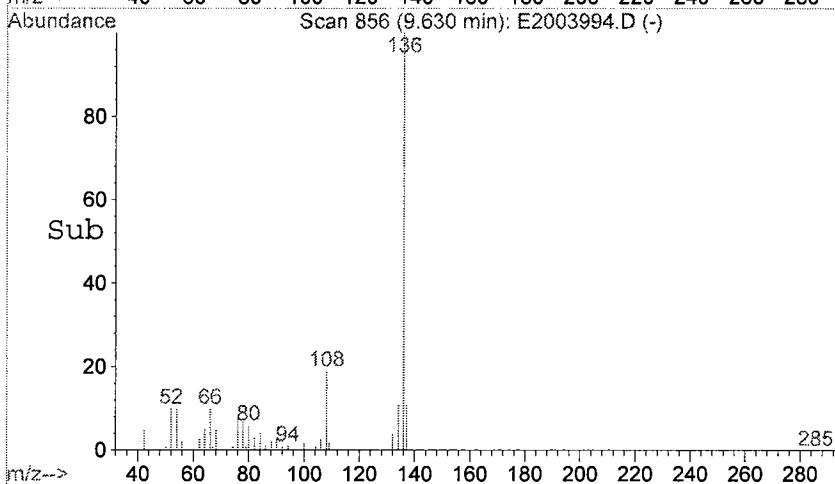
Tgt Ion: 99
Sig Exp Ratio
99 100
71 59.2
70 18.8



#19
Nitrobenzene-d5
Concen: 46.50 ug/mL
RT: 8.74 min Scan# 707
Delta R.T. -0.28 min
Lab File: E2003994.D
Acq: 23 Aug 2005 8:47 pm

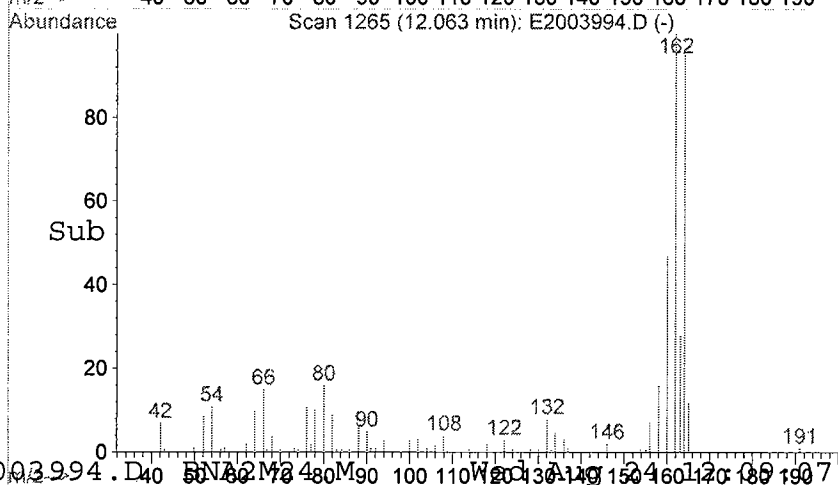
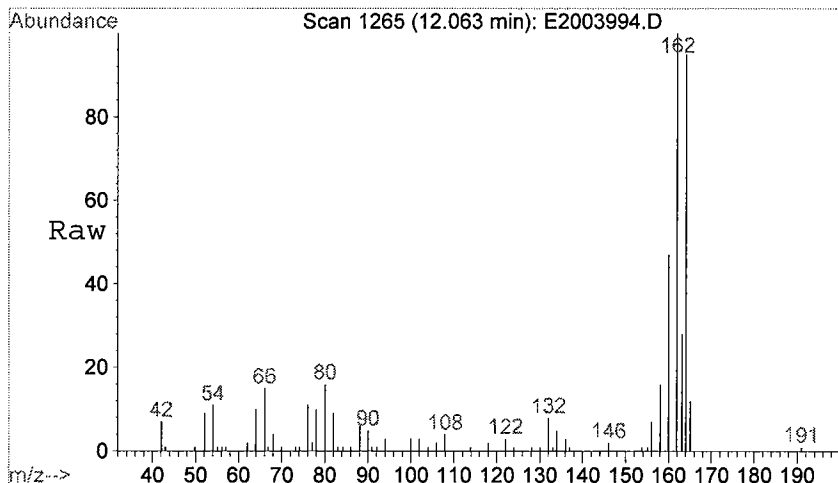
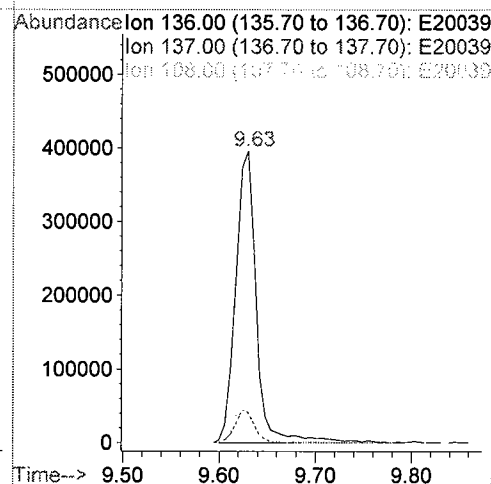
Tgt Ion: 82 Resp: 3005924
Ion Ratio Lower Upper
82 100
54 63.2 46.8 70.2
128 44.0 34.6 52.0





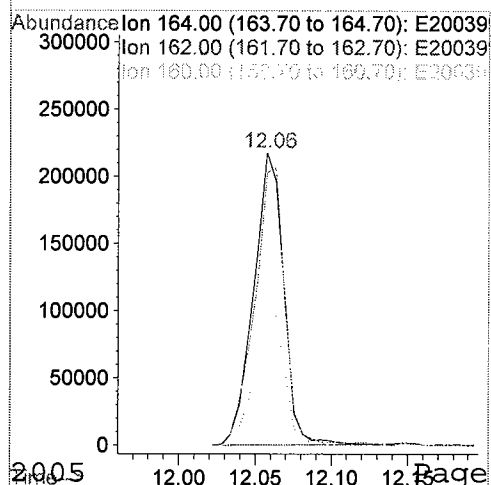
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#21
Naphthalene-d8
Concen: 40.00 ug/mL
RT: 9.63 min   Scan# 856
Delta R.T.    -0.29 min
Lab File:     E2003994.D
Acq: 23 Aug 2005   8:47 pm
```

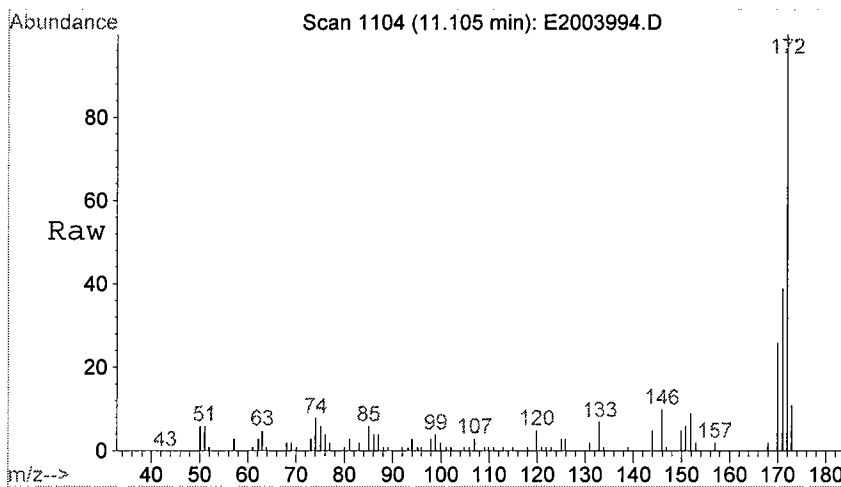
Tgt	Ion:136	Resp:	5872677
Ion	Ratio	Lower	Upper
136	100		
137	10.1	5.4	16.1
108	16.8	8.3	24.8



```
#35
Acenaphthene-d10
Concen: 40.00 ug/mL
RT: 12.06 min   Scan# 1265
Delta R.T.     -0.30 min
Lab File:      E2003994.D
Acq: 23 Aug 2005   8:47 pm
```

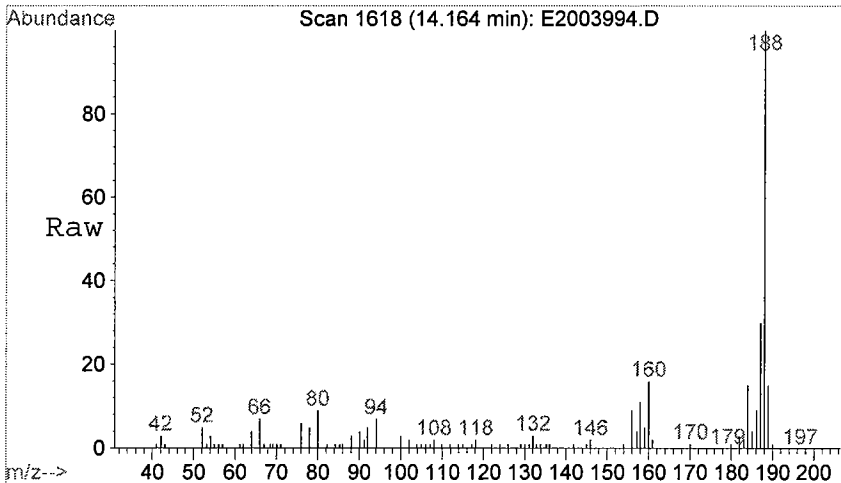
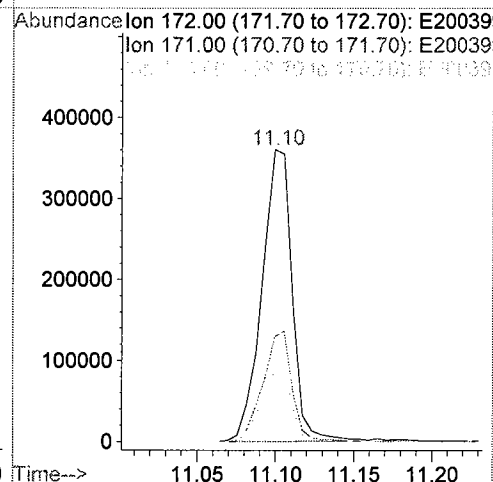
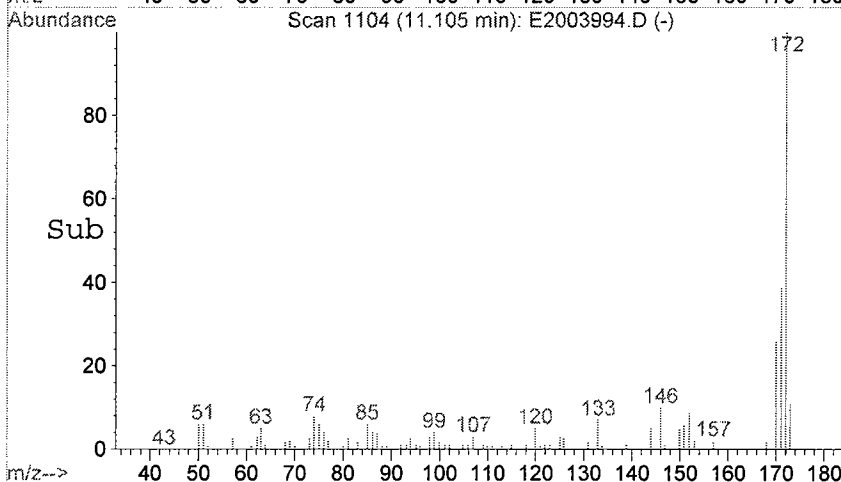
Tgt	Ion:164	Resp:	2961237
Ion	Ratio	Lower	Upper
164	100		
162	96.8	48.6	145.8
160	46.8	22.0	66.0





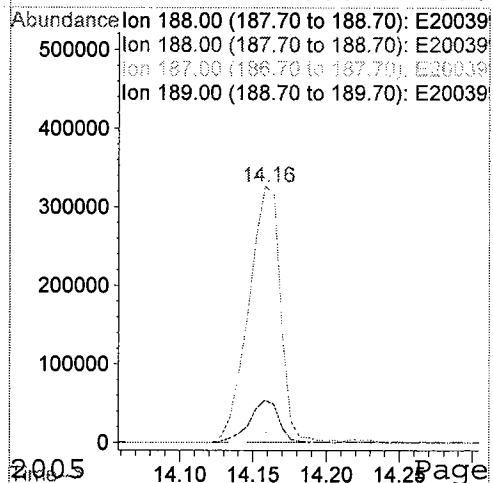
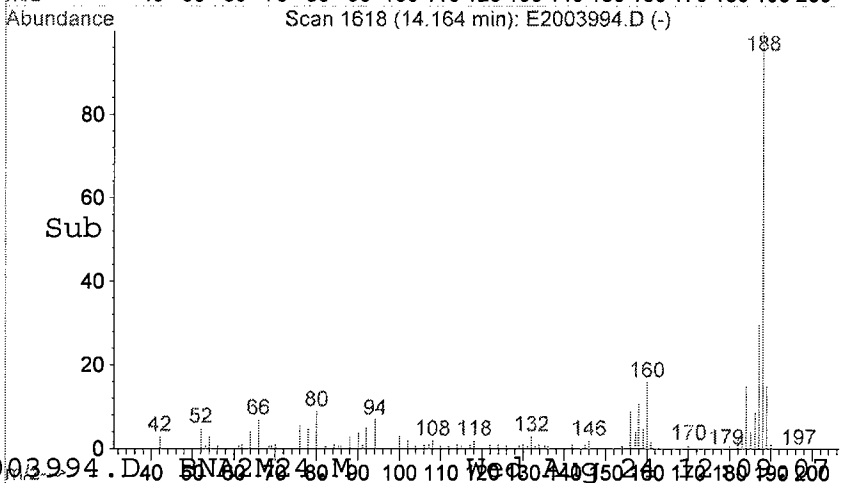
#38
2-Fluorobiphenyl
Concen: 50.35 ug/mL
RT: 11.10 min Scan# 1104
Delta R.T. -0.30 min
Lab File: E2003994.D
Acq: 23 Aug 2005 8:47 pm

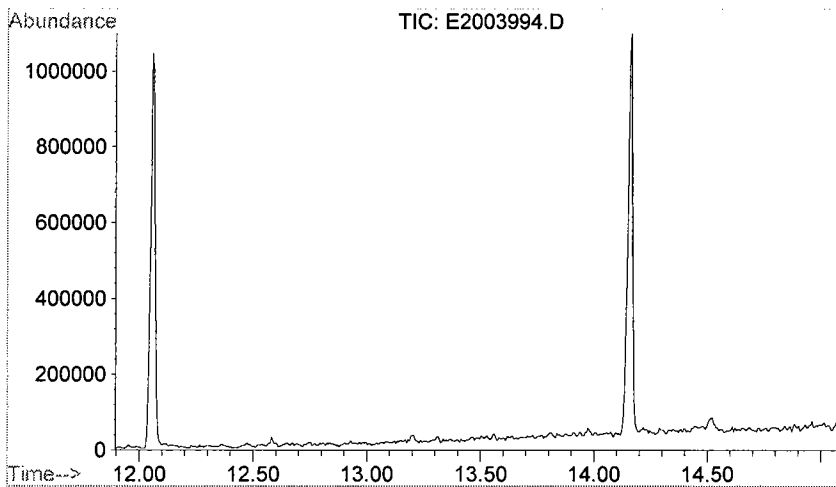
Tgt Ion:172 Resp: 4850152
Ion Ratio Lower Upper
172 100
171 36.6 31.2 46.8
170 24.3 20.1 30.1



#57
Phenanthrene-d10
Concen: 40.00 ug/mL
RT: 14.16 min Scan# 1618
Delta R.T. -0.30 min
Lab File: E2003994.D
Acq: 23 Aug 2005 8:47 pm

Tgt Ion:188 Resp: 4949928
Ion Ratio Lower Upper
188 100
188 100.0 80.0 120.0
187 0.0 0.0 0.0
189 15.3 0.0 0.0#





#59

2,4,6-Tribromophenol

Concen: 0.00 ug/mL

Expected RT: 13.50 min

Lab File: E2003994.D

Acq: 23 Aug 2005 8:47 pm

Tgt Ion: 330

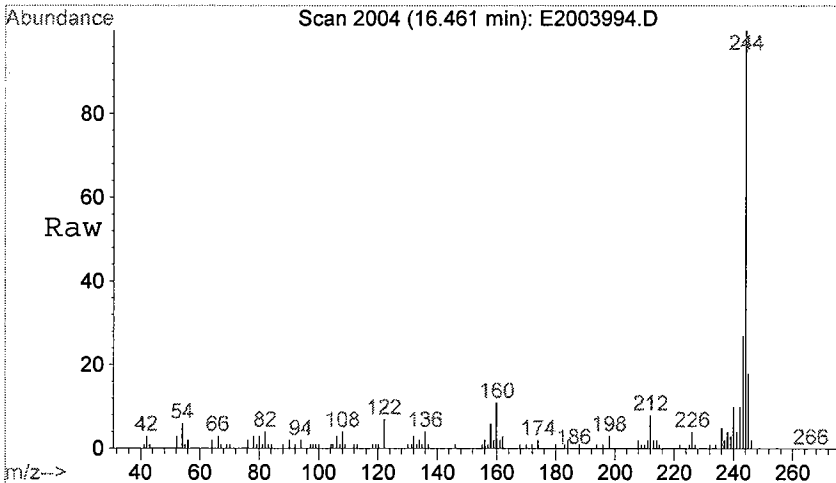
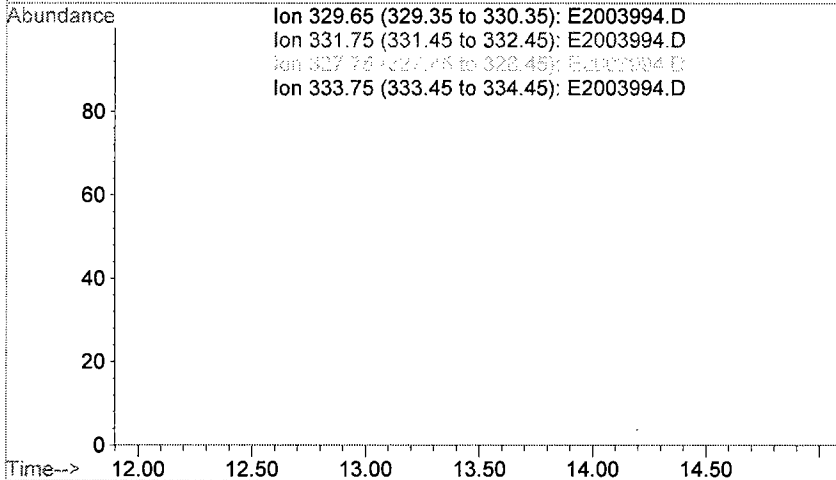
Sig Exp Ratio

330 100

332 98.7

328 34.1

334 31.6



#70

Terphenyl-d14

Concen: 60.15 ug/mL

RT: 16.46 min Scan# 2004

Delta R.T. -0.28 min

Lab File: E2003994.D

Acq: 23 Aug 2005 8:47 pm

Tgt Ion: 244 Resp: 6995236

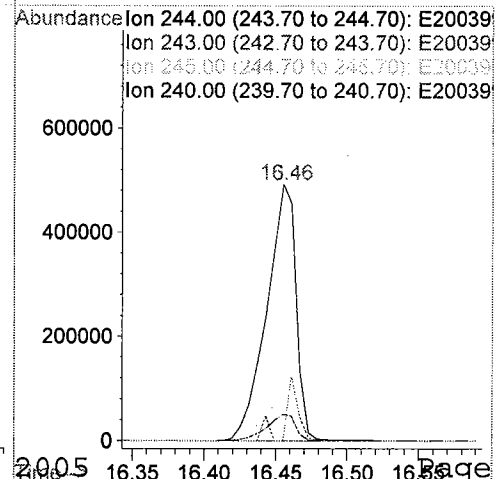
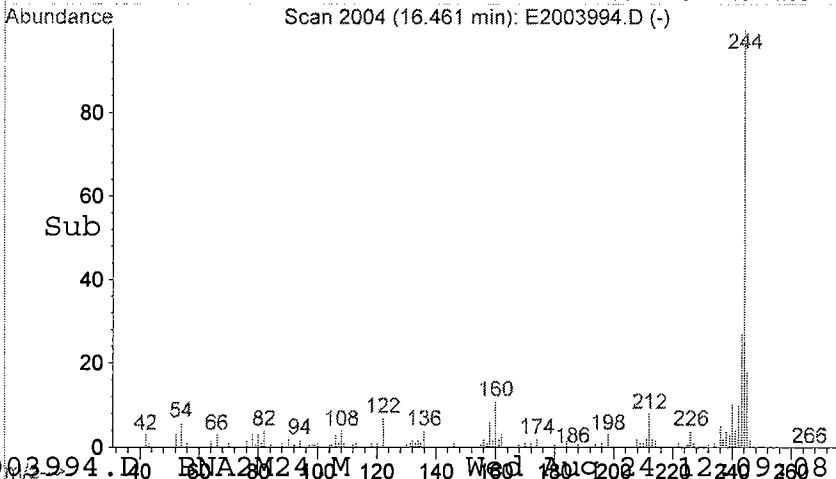
Ion Ratio Lower Upper

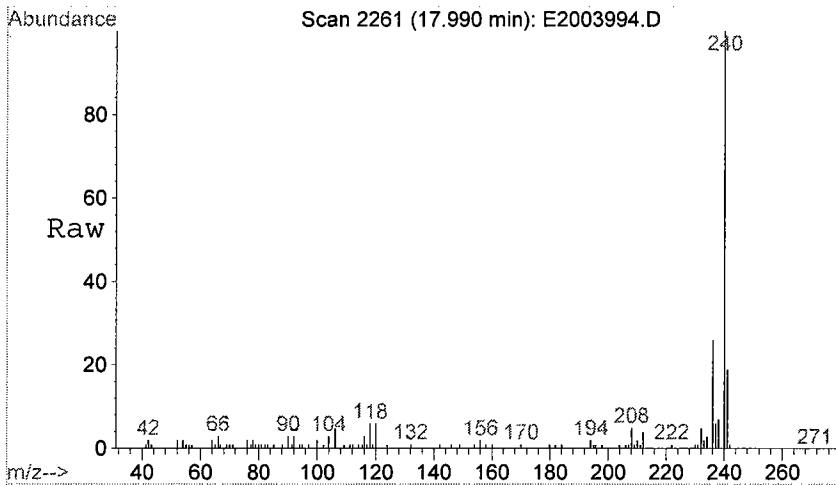
244 100

243 9.1 20.5 30.7#

245 18.3 15.7 23.5

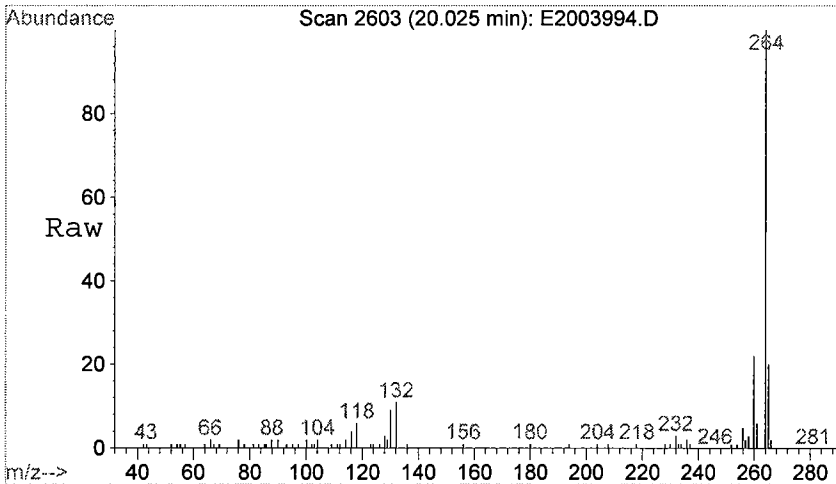
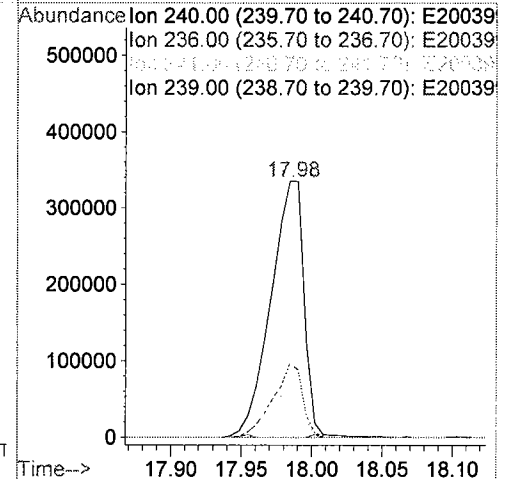
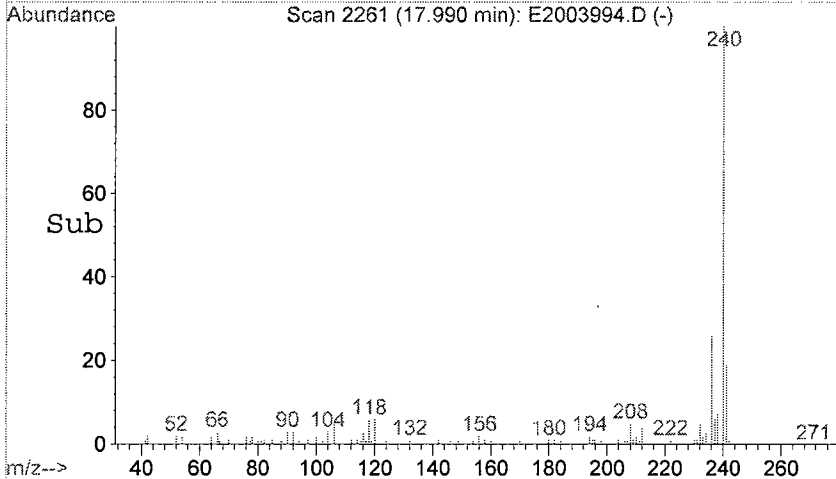
240 10.2 7.7 11.5





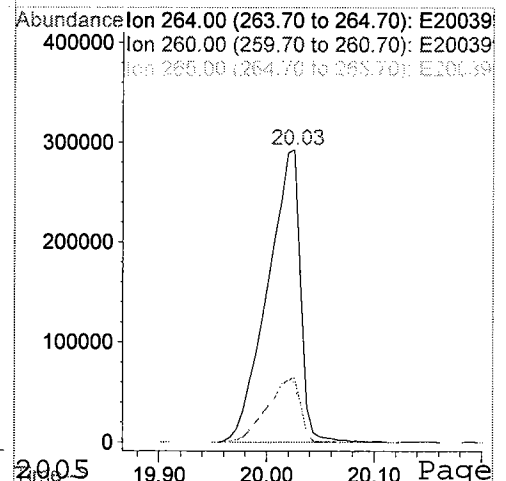
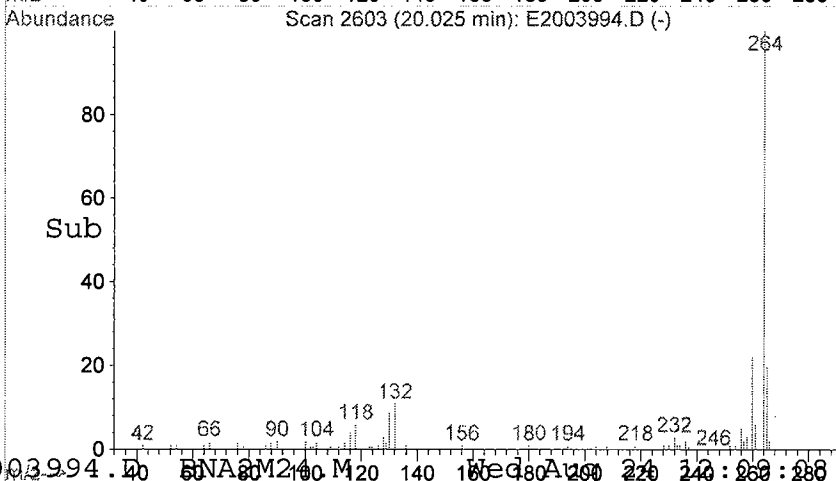
#75
 Chrysene-d12
 Concen: 40.00 ug/mL
 RT: 17.99 min Scan# 2261
 Delta R.T. -0.30 min
 Lab File: E2003994.D
 Acq: 23 Aug 2005 8:47 pm

Tgt Ion:240 Resp: 5499410
 Ion Ratio Lower Upper
 240 100
 236 26.1 12.2 36.6
 241 19.5 9.9 29.6
 239 0.3 0.2 0.6



#84
 Perylene-d12
 Concen: 40.00 ug/mL
 RT: 20.02 min Scan# 2603
 Delta R.T. -0.36 min
 Lab File: E2003994.D
 Acq: 23 Aug 2005 8:47 pm

Tgt Ion:264 Resp: 6218010
 Ion Ratio Lower Upper
 264 100
 260 21.8 11.0 32.9
 265 22.0 9.8 29.4



Form 1-E
SEMIVOLATILES Tentatively Identified Compounds Data Sheet

Client Sample ID

WC-1 (50-55')

Sample Amount:	950 ML
Matrix:	WATER
Dilution Factor:	1.00

Date Collected:	8/15/05
Date Received:	8/17/05
Date Extracted:	8/22/05
Date Analyzed:	8/23/05
Level:	MEDIUM

Sample Type: **WATER**

SDG:	05080545
Lab ID:	05080545-12
File ID:	E2003994.D

CONCENTRATION
UNITS: **ug/L** **DRY**

[illegible]

LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\E2003994.D Vial: 8
Acq On : 23 Aug 2005 8:47 pm Operator: SW
Sample : 05080545-12 \$BNEXT/TICW 950ML/1ML ASPB Inst : GCMS BNA
Misc : QBSV2082305A Multiplr: 1.05
MS Integration Params: LSCINT.e

Method : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)
Title : GC MS BNA 2 Semi Volatiles Calibration

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	4.625	10	15	17	PV	2818	31895	0.04%	0.007%
2	4.667	20	22	24	PV	2273	14158	0.02%	0.003%
3	4.697	24	27	31	PV	2375	44116	0.06%	0.010%
4	4.744	31	35	40	VV	2937	53999	0.07%	0.012%
5	4.792	40	43	51	VV	4075	60703	0.08%	0.013%
6	4.881	51	58	61	PV	1869	23415	0.03%	0.005%
7	5.625	175	183	225	PV	2960756	75510638	100.00%	16.761%
8	5.881	225	226	246	VV 6	55240	1736014	2.30%	0.385%
9	6.315	294	299	303	BV 6	2192	27196	0.04%	0.006%
10	6.613	342	349	358	VV 6	2178	45919	0.06%	0.010%
11	6.821	381	384	386	PV 6	1944	16121	0.02%	0.004%
12	6.845	386	388	394	VV 6	1905	24496	0.03%	0.005%
13	7.000	408	414	418	BV	2280	21537	0.03%	0.005%
14	7.077	422	427	431	BV	2127	24739	0.03%	0.005%
15	7.113	431	433	439	VV	3193	42198	0.06%	0.009%
16	7.208	446	449	451	VV	5186	38030	0.05%	0.008%
17	7.226	451	452	456	VV	2692	24742	0.03%	0.005%
18	7.291	461	463	466	VV	2304	18718	0.02%	0.004%
19	7.327	466	469	470	VV	1862	21655	0.03%	0.005%
20	7.345	470	472	477	VV	2226	27748	0.04%	0.006%
21	7.386	477	479	481	PV	1765	10488	0.01%	0.002%
22	7.410	481	483	495	VV	5536	116417	0.15%	0.026%
23	7.583	501	512	514	PV	3378	42469	0.06%	0.009%
24	7.606	514	516	520	VV	2096	22992	0.03%	0.005%
25	7.666	520	526	530	VV 2	5514	78994	0.10%	0.018%
26	7.708	530	533	536	VV 2	4405	50736	0.07%	0.011%
27	7.773	543	544	548	PV 2	2385	25223	0.03%	0.006%
28	7.815	548	551	554	VV	3340	38953	0.05%	0.009%
29	7.922	563	569	571	PV	2013	27063	0.04%	0.006%
30	7.999	576	582	604	VV	752604	12023201	15.92%	2.669%
31	8.166	604	610	614	VV	3882	82145	0.11%	0.018%
32	8.231	619	621	623	PV	2009	13651	0.02%	0.003%
33	8.594	681	682	684	VV	1707	12534	0.02%	0.003%
34	8.743	696	707	719	VV	684428	10112650	13.39%	2.245%

000452

35	8.820	719	720	725	VV 2	6746	86919	0.12%	0.019%
36	8.862	725	727	733	VV	3284	49762	0.07%	0.011%
37	8.928	733	738	741	VV	2066	31174	0.04%	0.007%
38	8.963	741	744	754	VV	1876	36791	0.05%	0.008%
39	9.088	761	765	767	PV 2	5060	53685	0.07%	0.012%
40	9.320	795	804	808	PV 4	5970	136734	0.18%	0.030%
41	9.410	817	819	825	PV 4	1719	23313	0.03%	0.005%
42	9.564	837	845	849	BV 4	2348	41048	0.05%	0.009%
43	9.630	849	856	864	PV	980782	13603306	18.02%	3.019%
44	9.683	864	865	873	VV 4	18883	407378	0.54%	0.090%
45	9.737	873	874	879	VV	6482	100449	0.13%	0.022%
46	9.909	900	903	907	VV	3201	22879	0.03%	0.005%
47	9.945	907	909	911	VV	3266	21645	0.03%	0.005%
48	10.076	924	931	938	VV	2654	70578	0.09%	0.016%
49	10.141	938	942	949	VV 2	4640	100095	0.13%	0.022%
50	10.195	949	951	954	VV 2	1822	14780	0.02%	0.003%
51	10.243	954	959	963	PV 2	2188	36262	0.05%	0.008%
52	10.278	963	965	969	VV	2990	41749	0.06%	0.009%
53	10.326	969	973	977	VV	2278	34533	0.05%	0.008%
54	10.362	977	979	981	VV	2370	23807	0.03%	0.005%
55	10.385	981	983	988	VV	2688	42212	0.06%	0.009%
56	10.498	998	1002	1004	VV	4020	46766	0.06%	0.010%
57	10.534	1004	1008	1010	VV	2332	28832	0.04%	0.006%
58	10.570	1010	1014	1020	VV	2744	57365	0.08%	0.013%
59	10.641	1020	1026	1031	PV	2457	30371	0.04%	0.007%
60	10.677	1031	1032	1034	VV	2583	16800	0.02%	0.004%
61	10.725	1034	1040	1043	VV	6067	83158	0.11%	0.018%
62	10.790	1043	1051	1056	VV	2554	60381	0.08%	0.013%
63	10.832	1056	1058	1060	VV	1821	13811	0.02%	0.003%
64	10.861	1060	1063	1065	VV	2216	26302	0.03%	0.006%
65	10.879	1065	1066	1071	VV	3300	40494	0.05%	0.009%
66	10.939	1071	1076	1081	VV 2	9755	142007	0.19%	0.032%
67	10.986	1081	1084	1088	VV 2	3390	44035	0.06%	0.010%
68	11.046	1088	1094	1096	VV 2	2731	39572	0.05%	0.009%
69	11.105	1096	1104	1125	PV	1349003	18064986	23.92%	4.010%
70	11.242	1125	1127	1128	VV	3370	32796	0.04%	0.007%
71	11.260	1128	1130	1135	VV 3	5462	104049	0.14%	0.023%
72	11.302	1135	1137	1144	VV 2	8416	121475	0.16%	0.027%
73	11.373	1147	1149	1152	VV	5537	51182	0.07%	0.011%
74	11.433	1156	1159	1161	VV	4739	66610	0.09%	0.015%
75	11.457	1161	1163	1165	VV	3388	30407	0.04%	0.007%
76	11.552	1165	1179	1182	VV 2	4534	159501	0.21%	0.035%
77	11.587	1182	1185	1188	VV	10558	149082	0.20%	0.033%
78	11.623	1188	1191	1194	VV	7535	107482	0.14%	0.024%
79	11.665	1194	1198	1200	VV 2	4643	84952	0.11%	0.019%
80	11.695	1200	1203	1206	VV	5552	83902	0.11%	0.019%

81	11.724	1206	1208	1210	VV	5176	44943	0.06%	0.010%
82	11.760	1210	1214	1216	VV	4804	89753	0.12%	0.020%
83	11.802	1216	1221	1226	VV 2	5356	131894	0.17%	0.029%
84	11.867	1226	1232	1235	VV 4	20029	308116	0.41%	0.068%
85	11.897	1235	1237	1239	VV	6855	76192	0.10%	0.017%
86	11.915	1239	1240	1244	VV	6943	91020	0.12%	0.020%
87	11.956	1244	1247	1258	VV 4	12065	332161	0.44%	0.074%
88	12.063	1258	1265	1272	VV	1048204	14692417	19.46%	3.261%
89	12.117	1272	1274	1281	VV 4	16489	403158	0.53%	0.089%
90	12.165	1281	1282	1292	VV	10906	297547	0.39%	0.066%
91	12.236	1292	1294	1298	VV 3	10390	162337	0.21%	0.036%
92	12.272	1298	1300	1302	VV	11422	138140	0.18%	0.031%
93	12.302	1302	1305	1309	VV 2	10171	202088	0.27%	0.045%
94	12.367	1309	1316	1324	VV 5	14097	479391	0.63%	0.106%
95	12.474	1324	1334	1340	VV 4	16143	544136	0.72%	0.121%
96	12.540	1340	1345	1348	VV 3	12944	307467	0.41%	0.068%
97	12.587	1348	1353	1359	VV 4	30045	619780	0.82%	0.138%
98	12.653	1359	1364	1366	VV 5	17230	331651	0.44%	0.074%
99	12.676	1366	1368	1370	VV 2	16641	173347	0.23%	0.038%
100	12.694	1370	1371	1375	VV 2	14682	241644	0.32%	0.054%
101	12.754	1375	1381	1383	VV 5	19066	379342	0.50%	0.084%
102	12.772	1383	1384	1386	VV	16201	167958	0.22%	0.037%
103	12.813	1386	1391	1402	VV 8	16678	789699	1.05%	0.175%
104	12.932	1402	1411	1416	VV 7	21705	739362	0.98%	0.164%
105	12.974	1416	1418	1428	VV 7	18506	669271	0.89%	0.149%
106	13.045	1428	1430	1432	VV 2	16688	172307	0.23%	0.038%
107	13.093	1432	1438	1441	VV 4	20534	619100	0.82%	0.137%
108	13.152	1441	1448	1450	VV 7	22901	589352	0.78%	0.131%
109	13.170	1450	1451	1454	VV 3	23794	347692	0.46%	0.077%
110	13.206	1454	1457	1464	VV 2	35965	898621	1.19%	0.199%
111	13.260	1464	1466	1468	VV 3	22166	341438	0.45%	0.076%
112	13.313	1468	1475	1478	VV 7	33113	836525	1.11%	0.186%
113	13.337	1478	1479	1483	VV 4	26434	394374	0.52%	0.088%
114	13.373	1483	1485	1487	VV 2	26070	380131	0.50%	0.084%
115	13.396	1487	1489	1495	VV 5	25120	653919	0.87%	0.145%
116	13.468	1495	1501	1503	VV 6	32166	718628	0.95%	0.160%
117	13.486	1503	1504	1506	VV 2	30173	340086	0.45%	0.075%
118	13.509	1506	1508	1510	VV 3	35107	445103	0.59%	0.099%
119	13.527	1510	1511	1514	VV 3	35605	456823	0.60%	0.101%
120	13.563	1514	1517	1519	VV 4	40612	603297	0.80%	0.134%
121	13.587	1519	1521	1522	VV 2	30772	319117	0.42%	0.071%
122	13.640	1522	1530	1534	VV 8	34764	1283049	1.70%	0.285%
123	13.682	1534	1537	1540	VV 5	31293	550796	0.73%	0.122%
124	13.730	1540	1545	1547	VV 5	35721	901931	1.19%	0.200%
125	13.813	1547	1559	1568	VV 5	44343	2615248	3.46%	0.580%
126	13.878	1568	1570	1573	VV 4	40360	706562	0.94%	0.157%
127	13.914	1573	1576	1578	VV 4	44303	712413	0.94%	0.158%

128	13.944	1578	1581	1583	VV 3	44402	645370	0.85%	0.143%
129	13.980	1583	1587	1590	VV 5	54595	1131020	1.50%	0.251%
130	14.009	1590	1592	1594	VV 3	43772	573095	0.76%	0.127%
131	14.075	1594	1603	1605	VV 9	44243	1614159	2.14%	0.358%
132	14.099	1605	1607	1610	VV 4	43234	712682	0.94%	0.158%
133	14.164	1610	1618	1624	VV 11	105962	17395377	23.04%	3.861%
134	14.218	1624	1627	1636	VV 10	56186	2100966	2.78%	0.466%
135	14.295	1636	1640	1644	VV 7	54569	1323455	1.75%	0.294%
136	14.354	1644	1650	1653	VV 8	51985	1532999	2.03%	0.340%
137	14.384	1653	1655	1656	VV 2	51928	543785	0.72%	0.121%
138	14.402	1656	1658	1662	VV 5	53677	964805	1.28%	0.214%
139	14.450	1662	1666	1669	VV 6	61260	1325415	1.76%	0.294%
140	14.479	1669	1671	1673	VV 3	60973	984351	1.30%	0.218%
141	14.521	1673	1678	1684	VV 4	82532	2492930	3.30%	0.553%
142	14.563	1684	1685	1688	VV 3	52258	662380	0.88%	0.147%
143	14.610	1688	1693	1696	VV 6	55836	1573806	2.08%	0.349%
144	14.640	1696	1698	1699	VV 2	52264	504391	0.67%	0.112%
145	14.658	1699	1701	1704	VV 4	54744	809947	1.07%	0.180%
146	14.688	1704	1706	1711	VV 6	56930	1357620	1.80%	0.301%
147	14.729	1711	1713	1715	VV 3	55633	694403	0.92%	0.154%
148	14.759	1715	1718	1720	VV 4	54741	1005679	1.33%	0.223%
149	14.795	1720	1724	1729	VV 7	56986	1644453	2.18%	0.365%
150	14.842	1729	1732	1734	VV 3	59432	1005967	1.33%	0.223%
151	14.884	1734	1739	1744	VV 9	65442	1981010	2.62%	0.440%
152	14.932	1744	1747	1749	VV 4	62491	1020039	1.35%	0.226%
153	14.961	1749	1752	1754	VV 4	69669	1129490	1.50%	0.251%
154	14.997	1754	1758	1759	VV 4	63831	1130338	1.50%	0.251%
155	15.015	1759	1761	1763	VV 3	69031	916157	1.21%	0.203%
156	15.033	1763	1764	1767	VV 3	62257	795912	1.05%	0.177%
157	15.075	1767	1771	1774	VV 4	71850	1437607	1.90%	0.319%
158	15.098	1774	1775	1782	VV 7	61699	1761300	2.33%	0.391%
159	15.176	1782	1788	1797	VV 7	62861	2793528	3.70%	0.620%
160	15.241	1797	1799	1811	VV 10	57422	2729050	3.61%	0.606%
161	15.330	1811	1814	1820	VV 7	65654	1734113	2.30%	0.385%
162	15.390	1820	1824	1825	VV 4	58373	1092483	1.45%	0.242%
163	15.408	1825	1827	1829	VV 3	56289	636921	0.84%	0.141%
164	15.467	1829	1837	1843	VV 3	55577	2777622	3.68%	0.617%
165	15.527	1843	1847	1851	VV 6	62587	1545131	2.05%	0.343%
166	15.562	1851	1853	1857	VV 4	59445	1133284	1.50%	0.252%
167	15.598	1857	1859	1861	VV 3	53065	768201	1.02%	0.171%
168	15.652	1864	1868	1873	VV 7	59220	1554108	2.06%	0.345%
169	15.693	1873	1875	1879	VV 5	53236	1229929	1.63%	0.273%
170	15.735	1879	1882	1888	VV 8	54428	1536733	2.04%	0.341%
171	15.789	1888	1891	1896	VV 7	59421	1505821	1.99%	0.334%
172	15.842	1896	1900	1906	VV 9	66686	1764467	2.34%	0.392%
173	15.884	1906	1907	1911	VV 4	54377	836341	1.11%	0.186%
174	15.919	1911	1913	1916	VV 4	51804	959104	1.27%	0.213%

175	15.949	1916	1918	1921	VV 4	47838	720978	0.95%	0.160%
176	15.979	1921	1923	1930	VV 8	53230	1576690	2.09%	0.350%
177	16.038	1930	1933	1936	VV 5	60673	1110990	1.47%	0.247%
178	16.068	1936	1938	1939	VV 2	51265	543896	0.72%	0.121%
179	16.086	1939	1941	1948	VV 7	64069	1786870	2.37%	0.397%
180	16.158	1948	1953	1959	VV 10	54817	1799203	2.38%	0.399%
181	16.205	1959	1961	1963	VV 3	48477	635338	0.84%	0.141%
182	16.229	1963	1965	1970	VV 5	49140	1144979	1.52%	0.254%
183	16.265	1970	1971	1977	VV 5	47851	1097645	1.45%	0.244%
184	16.306	1977	1978	1981	VV 3	48565	774607	1.03%	0.172%
185	16.342	1981	1984	1987	VV 4	48413	934316	1.24%	0.207%
186	16.378	1987	1990	1992	VV 3	49690	769877	1.02%	0.171%
187	16.461	1992	2004	2011	VV	1702545	27420974	36.31%	6.086%
188	16.532	2011	2016	2018	VV 6	59564	1259816	1.67%	0.280%
189	16.568	2018	2022	2025	VV 5	53826	1188238	1.57%	0.264%
190	16.598	2025	2027	2030	VV 4	52450	930356	1.23%	0.207%
191	16.628	2030	2032	2037	VV 5	51082	1130486	1.50%	0.251%
192	16.669	2037	2039	2045	VV 5	53996	1407268	1.86%	0.312%
193	16.729	2045	2049	2051	VV 5	50338	839300	1.11%	0.186%
194	16.753	2051	2053	2059	VV 7	51450	1493851	1.98%	0.332%
195	16.818	2059	2064	2068	VV 8	61143	1529443	2.03%	0.339%
196	16.907	2068	2079	2083	VV 8	53675	2577680	3.41%	0.572%
197	16.943	2083	2085	2092	VV 7	50241	1374763	1.82%	0.305%
198	16.991	2092	2093	2096	VV 3	47003	761287	1.01%	0.169%
199	17.026	2096	2099	2102	VV 4	49440	1036019	1.37%	0.230%
200	17.062	2102	2105	2107	VV 4	52586	766337	1.01%	0.170%
201	17.122	2107	2115	2131	VV 4	154865	6053580	8.02%	1.344%
202	17.235	2131	2134	2136	VV 4	51164	785101	1.04%	0.174%
203	17.252	2136	2137	2139	VV 2	50201	460816	0.61%	0.102%
204	17.288	2139	2143	2147	VV 6	58324	1477528	1.96%	0.328%
205	17.336	2147	2151	2154	VV 5	59914	1356309	1.80%	0.301%
206	17.365	2154	2156	2162	VV 7	50685	1360437	1.80%	0.302%
207	17.431	2162	2167	2170	VV 7	55855	1300258	1.72%	0.289%
208	17.508	2170	2180	2184	VV 7	56892	2557402	3.39%	0.568%
209	17.544	2184	2186	2189	VV 4	49886	783081	1.04%	0.174%
210	17.574	2189	2191	2193	VV 3	49873	708385	0.94%	0.157%
211	17.604	2193	2196	2199	VV 5	51526	997212	1.32%	0.221%
212	17.645	2199	2203	2206	VV 6	56112	1405399	1.86%	0.312%
213	17.693	2206	2211	2218	VV 8	61484	2277517	3.02%	0.506%
214	17.746	2218	2220	2226	VV 6	57021	1363241	1.81%	0.303%
215	17.800	2226	2229	2242	VV 6	59673	2963840	3.93%	0.658%
216	17.901	2242	2246	2248	VV 5	60036	1192124	1.58%	0.265%
217	17.925	2248	2250	2253	VV 3	55966	839896	1.11%	0.186%
218	17.990	2253	2261	2267	VV	1015872	18430461	24.41%	4.091%
219	18.032	2267	2268	2281	VV	60807	2662231	3.53%	0.591%
220	18.115	2281	2282	2285	VV 3	59944	756239	1.00%	0.168%

221	18.139	2285	2286	2288	VV	52523	606331	0.80%	0.135%
222	18.157	2288	2289	2291	VV 2	49636	452795	0.60%	0.101%
223	18.199	2291	2296	2301	VV 9	57656	1864595	2.47%	0.414%
224	18.246	2301	2304	2306	VV 4	53339	907963	1.20%	0.202%
225	18.270	2306	2308	2313	VV 5	57495	1431143	1.90%	0.318%
226	18.312	2313	2315	2317	VV 3	51530	536195	0.71%	0.119%
227	18.335	2317	2319	2323	VV 5	57253	1198467	1.59%	0.266%
228	18.365	2323	2324	2328	VV 4	64077	956069	1.27%	0.212%
229	18.395	2328	2329	2336	VV 7	57251	1545046	2.05%	0.343%
230	18.443	2336	2337	2351	VV 9	51836	2538476	3.36%	0.563%
231	18.538	2351	2353	2356	VV 4	56644	990890	1.31%	0.220%
232	18.568	2356	2358	2364	VV 6	52341	1358586	1.80%	0.302%
233	18.651	2364	2372	2374	VV 9	57388	1794393	2.38%	0.398%
234	18.698	2374	2380	2382	VV 6	63745	1556245	2.06%	0.345%
235	18.716	2382	2383	2386	VV 3	50076	582832	0.77%	0.129%
236	18.746	2386	2388	2389	VV 2	50387	593061	0.79%	0.132%
237	18.764	2389	2391	2395	VV 5	51015	1119082	1.48%	0.248%
238	18.806	2395	2398	2402	VV 5	53629	1156705	1.53%	0.257%
239	18.835	2402	2403	2405	VV 2	50887	553514	0.73%	0.123%
240	18.883	2405	2411	2417	VV 8	56274	1932174	2.56%	0.429%
241	18.925	2417	2418	2420	VV 2	45582	523942	0.69%	0.116%
242	18.954	2420	2423	2425	VV 4	52364	931716	1.23%	0.207%
243	18.996	2425	2430	2435	VV 2	250962	4358283	5.77%	0.967%
244	19.032	2435	2436	2450	VV 2	61353	2553599	3.38%	0.567%
245	19.151	2450	2456	2458	VV 5	51583	1310640	1.74%	0.291%
246	19.174	2458	2460	2462	VV 3	40079	525954	0.70%	0.117%
247	19.192	2462	2463	2471	VV 6	46592	1389171	1.84%	0.308%
248	19.252	2471	2473	2488	VV 6	46596	2624533	3.48%	0.583%
249	19.359	2488	2491	2492	VV 3	43494	540832	0.72%	0.120%
250	19.377	2492	2494	2501	VV 8	45018	1323811	1.75%	0.294%
251	19.430	2501	2503	2508	VV 6	43056	901513	1.19%	0.200%
252	19.478	2508	2511	2518	VV 9	40510	1309340	1.73%	0.291%
253	19.532	2518	2520	2529	VV 9	40559	1532163	2.03%	0.340%
254	19.603	2529	2532	2535	VV 4	36779	778856	1.03%	0.173%
255	19.633	2535	2537	2544	VV 8	45295	1085968	1.44%	0.241%
256	19.680	2544	2545	2547	VV 2	38617	407928	0.54%	0.091%
257	19.710	2547	2550	2557	VV 8	40935	1222982	1.62%	0.271%
258	19.770	2557	2560	2564	VV 4	39690	792911	1.05%	0.176%
259	19.805	2564	2566	2567	VV 2	38906	442281	0.59%	0.098%
260	19.829	2567	2570	2573	VV 5	35252	694807	0.92%	0.154%
261	19.865	2573	2576	2583	VV 7	40015	1198127	1.59%	0.266%
262	19.930	2583	2587	2590	VV 5	34207	745614	0.99%	0.165%
263	20.025	2590	2603	2615	VV	791477	19120531	25.32%	4.244%
264	20.109	2615	2617	2622	VV 5	36184	759078	1.01%	0.168%
265	20.144	2622	2623	2627	VV 4	31243	488949	0.65%	0.109%
266	20.180	2627	2629	2634	VV 4	27794	732838	0.97%	0.163%
267	20.222	2634	2636	2640	VV 4	28163	529237	0.70%	0.117%

268	20.263	2640	2643	2645	VV 3	30296	404718	0.54%	0.090%
269	20.329	2645	2654	2657	VV 6	29291	1093281	1.45%	0.243%
270	20.371	2657	2661	2664	VV 6	28523	591514	0.78%	0.131%
271	20.400	2664	2666	2668	VV 3	24634	317387	0.42%	0.070%
272	20.430	2668	2671	2678	VV 7	24770	721433	0.96%	0.160%
273	20.507	2678	2684	2687	VV 7	25017	731531	0.97%	0.162%
274	20.567	2687	2694	2699	VV 8	24517	871370	1.15%	0.193%
275	20.609	2699	2701	2702	VV 2	21977	233902	0.31%	0.052%
276	20.626	2702	2704	2705	VV 2	22763	253412	0.34%	0.056%
277	20.644	2705	2707	2709	VV 3	23006	242121	0.32%	0.054%
278	20.668	2709	2711	2715	VV 4	21511	440378	0.58%	0.098%
279	20.704	2715	2717	2723	VV 6	23218	556618	0.74%	0.124%
280	20.757	2723	2726	2732	VV 6	29706	743432	0.98%	0.165%
281	20.805	2732	2734	2737	VV 3	31139	460486	0.61%	0.102%
282	20.829	2737	2738	2748	VV 6	25783	762454	1.01%	0.169%
283	20.918	2748	2753	2758	VV 6	17070	567790	0.75%	0.126%
284	20.983	2758	2764	2770	VV 8	21743	696801	0.92%	0.155%
285	21.043	2770	2774	2777	VV 5	22082	451287	0.60%	0.100%
286	21.073	2777	2779	2782	VV 3	23712	324906	0.43%	0.072%
287	21.102	2782	2784	2787	VV 3	18326	281493	0.37%	0.062%
288	21.156	2787	2793	2797	VV 7	18701	565416	0.75%	0.126%
289	21.192	2797	2799	2801	VV 3	18414	211831	0.28%	0.047%
290	21.216	2801	2803	2807	VV 4	18248	306600	0.41%	0.068%
291	21.281	2807	2814	2822	VV 8	28389	996118	1.32%	0.221%
292	21.346	2822	2825	2827	VV 4	14153	188424	0.25%	0.042%
293	21.376	2827	2830	2842	VV 9	15042	685689	0.91%	0.152%
294	21.454	2842	2843	2848	VV 4	14390	281618	0.37%	0.063%
295	21.495	2848	2850	2852	VV 3	14516	202733	0.27%	0.045%
296	21.537	2852	2857	2859	VV 4	19070	314280	0.42%	0.070%
297	21.573	2859	2863	2866	VV 5	16567	334672	0.44%	0.074%
298	21.602	2866	2868	2871	VV 4	14343	228716	0.30%	0.051%
299	21.656	2871	2877	2879	VV 7	15818	318995	0.42%	0.071%
300	21.674	2879	2880	2882	VV 2	13115	134745	0.18%	0.030%
301	21.698	2882	2884	2887	VV 4	15362	216847	0.29%	0.048%
302	21.727	2887	2889	2890	VV 2	16872	171190	0.23%	0.038%
303	21.745	2890	2892	2893	VV 2	15602	154689	0.20%	0.034%
304	21.763	2893	2895	2901	VV 4	14345	294443	0.39%	0.065%
305	21.811	2901	2903	2905	VV 3	15603	143156	0.19%	0.032%
306	21.858	2905	2911	2913	VV 5	12528	291094	0.39%	0.065%
307	21.888	2913	2916	2919	VV 5	10416	199129	0.26%	0.044%
308	21.918	2919	2921	2922	VV 2	11882	110103	0.15%	0.024%
309	21.959	2922	2928	2932	VV 4	15023	388838	0.51%	0.086%
310	21.989	2932	2933	2940	VV 6	12747	309367	0.41%	0.069%
311	22.037	2940	2941	2948	VV 4	14465	302254	0.40%	0.067%
312	22.096	2948	2951	2953	VV 4	10452	172738	0.23%	0.038%
313	22.132	2953	2957	2961	VV 6	11527	244441	0.32%	0.054%
314	22.209	2961	2970	2975	VV 6	11939	393228	0.52%	0.087%

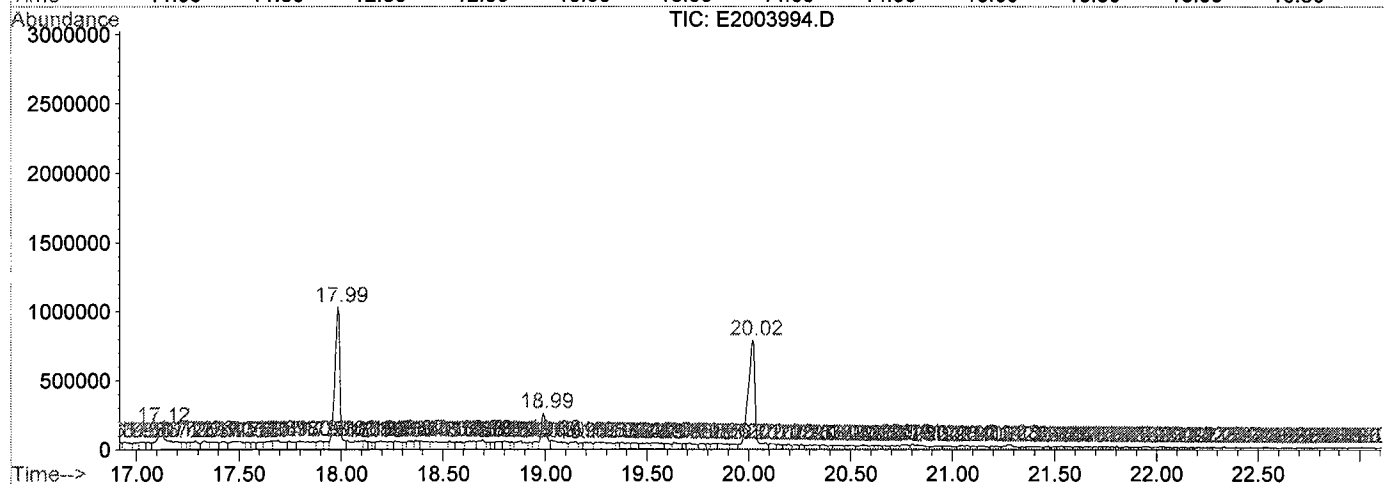
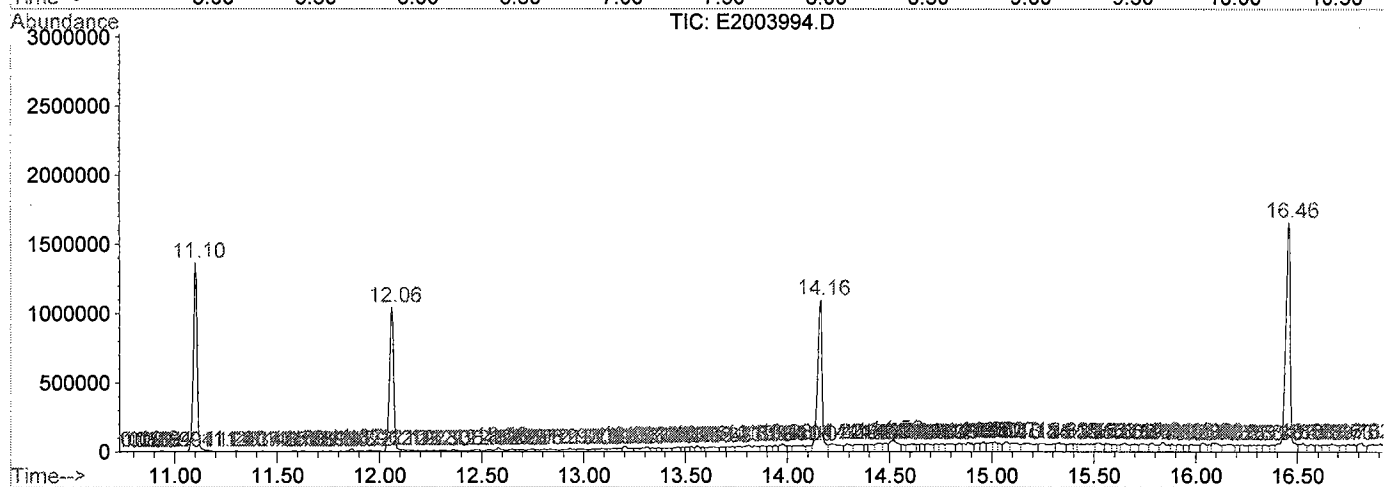
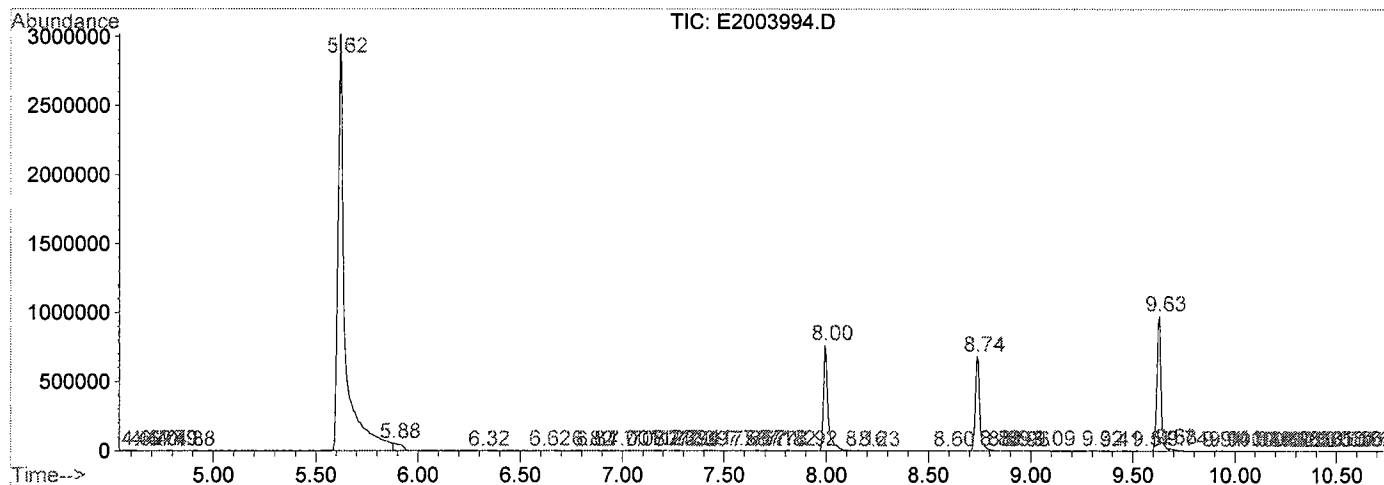
315	22.251	2975	2977	2979	VV 3	9602	101080	0.13%	0.022%
316	22.281	2979	2982	2984	VV 4	11195	166506	0.22%	0.037%
317	22.334	2984	2991	2994	VV 8	13275	288518	0.38%	0.064%
318	22.394	2999	3001	3007	VV 4	9829	184961	0.24%	0.041%
319	22.435	3007	3008	3010	VV 2	7420	76159	0.10%	0.017%
320	22.471	3010	3014	3018	VV 6	9243	189977	0.25%	0.042%
321	22.507	3018	3020	3022	VV 3	10449	114094	0.15%	0.025%
322	22.531	3022	3024	3031	VV 4	10593	275625	0.37%	0.061%
323	22.584	3031	3033	3035	VV 3	7882	74153	0.10%	0.016%
324	22.620	3035	3039	3042	VV 4	6476	121823	0.16%	0.027%
325	22.656	3042	3045	3050	VV 5	6762	141593	0.19%	0.031%
326	22.697	3050	3052	3055	VV 4	7922	95883	0.13%	0.021%
327	22.739	3055	3059	3061	VV 4	9110	146234	0.19%	0.032%
328	22.763	3061	3063	3065	VV	5407	57785	0.08%	0.013%
329	22.781	3065	3066	3075	VV 6	8236	195609	0.26%	0.043%
330	22.858	3075	3079	3082	VV 5	7761	131484	0.17%	0.029%
331	22.888	3082	3084	3089	VV 3	7224	137151	0.18%	0.030%
332	22.923	3089	3090	3092	VV 2	6827	52844	0.07%	0.012%
333	22.959	3092	3096	3103	VV 8	6116	177532	0.24%	0.039%
334	23.013	3103	3105	3109	VV 4	8636	114625	0.15%	0.025%
335	23.048	3109	3111	3116	VBA3	7441	134720	0.18%	0.030%

Sum of corrected areas: 450526498

E2003994.D BNA2M24.M Wed Aug 24 11:06:26 2005

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\E2003994.D
 Operator : SW
 Acquired : 23 Aug 2005 8:47 pm using AcqMethod BNA2M24
 Instrument : GCMS BNA
 Sample Name: 05080545-12 \$BNEXT/TICW 950ML/1ML ASPB
 Misc Info : QBSV2082305A
 Vial Number: 8
 Quant File :BNA2M24.RES (Chemstation Integrator)



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\E2003994.D

Vial: 8

Acq On : 23 Aug 2005 8:47 pm

Operator: SW

Sample : 05080545-12 \$BNEXT/TICW 950ML/1ML ASPB

Inst : GCMS BNA

Misc : QBSV2082305A

Multiplr: 1.05

MS Integration Params: LSCINT.e

Quant Method : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)

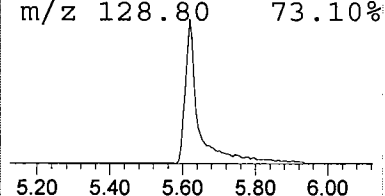
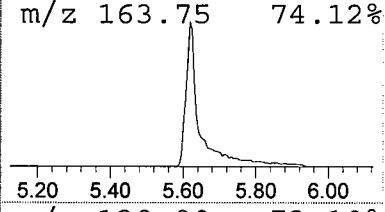
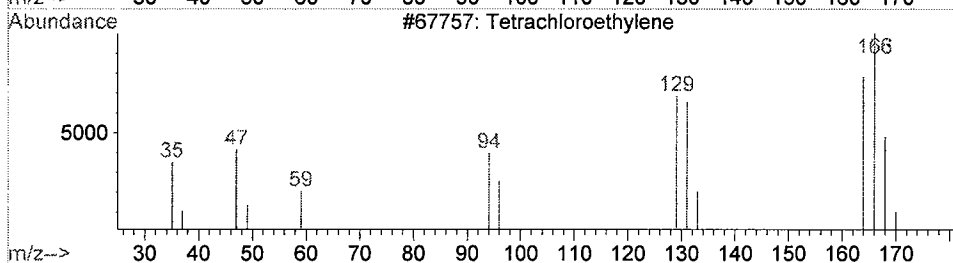
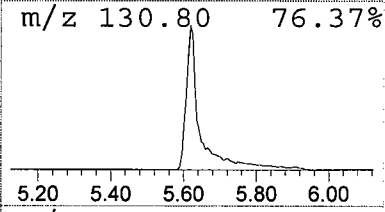
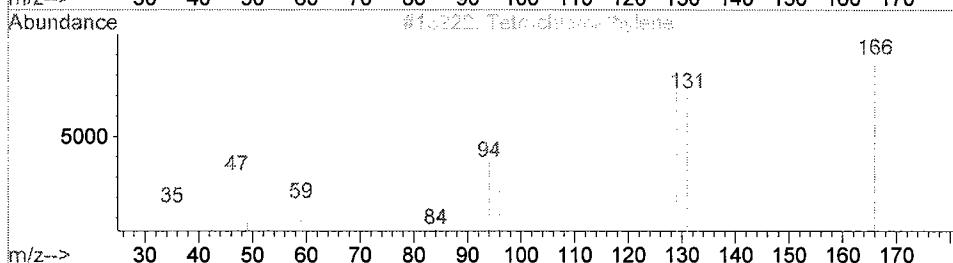
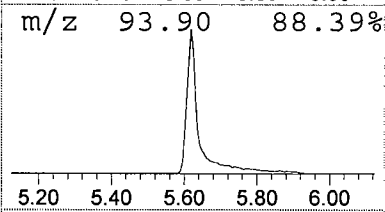
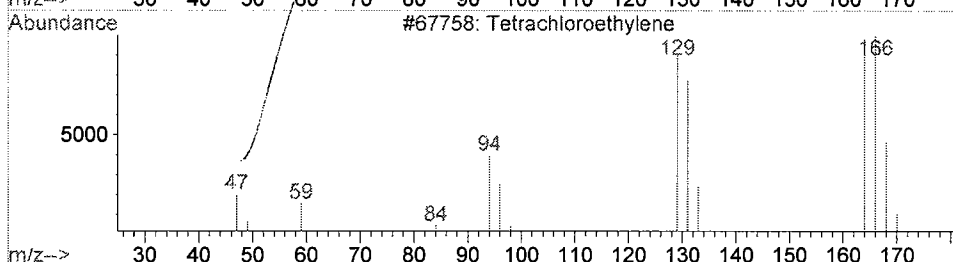
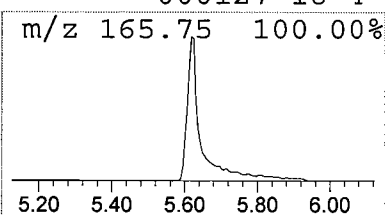
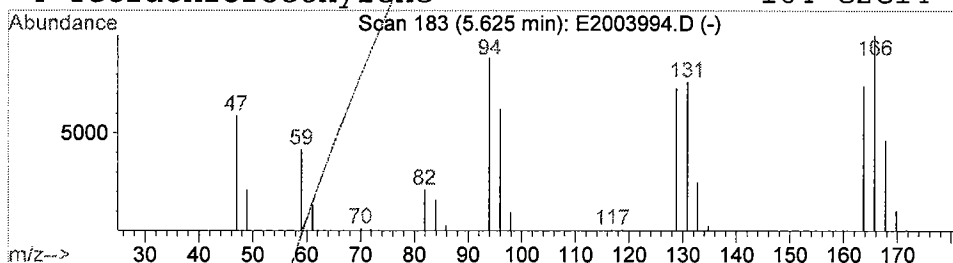
Title : GC MS BNA 2 Semi Volatiles Calibration

Library : C:\DATABASE\NBS75K.L

Peak Number 1 Tetrachloroethylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.62	263.78 ug/mL	75510600	1,4-Dichlorobenzene-d4	8.00

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetrachloroethylene	164	C2Cl4	000127-18-4	95
2			Tetrachloroethylene	164	C2Cl4	000127-18-4	76
3			Tetrachloroethylene	164	C2Cl4	000127-18-4	70
4			Tetrachloroethylene	164	C2Cl4	000127-18-4	64



000461

Tentatively Identified Compound (LSC) summary

Operator ID: SW Date Acquired: 23 Aug 2005 8:47 pm
Data File: C:\HPCHEM\1\DATA\E2003994.D
Name: 05080545-12 \$BNEXT/TICW 950ML/1ML ASPB
Misc: QBSV2082305A
Method: C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)
Title: GC MS BNA 2 Semi Volatiles Calibration
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Tetrachloroethylene	5.62	263.8	ug/mL	75510600	ISTD01	8.00	12023200	40.0
2,5-Cyclohexadiene-1	5.88	6.1	ug/mL	1736010	ISTD01	8.00	12023200	40.0
1,3-Dioxane-4,6-dion	13.81	6.3	ug/mL	2615250	ISTD04	14.16	17395400	40.0
Formamide, N-phenyl-	14.22	5.1	ug/mL	2100970	ISTD04	14.16	17395400	40.0
n-Ethyl-4-piperidine	14.52	6.0	ug/mL	2492930	ISTD04	14.16	17395400	40.0
1-Cyclopentene-1,2-d	14.89	4.8	ug/mL	1981010	ISTD04	14.16	17395400	40.0
3,4,5-Trimethylpyraz	15.18	6.7	ug/mL	2793530	ISTD04	14.16	17395400	40.0
Cyclopentane, 1,1,3,	15.24	6.6	ug/mL	2729050	ISTD04	14.16	17395400	40.0
Bicyclo[5.2.0]nonane	15.47	6.7	ug/mL	2777620	ISTD04	14.16	17395400	40.0
(4S,4Ar,5R,8as)-4-is	15.84	4.3	ug/mL	1764470	ISTD04	14.16	17395400	40.0
4-Heptanone, 2,6-dim	16.91	5.9	ug/mL	2577680	ISTD05	17.99	18430500	40.0
9-Octadecenamide, (Z	17.12	13.8	ug/mL	6053580	ISTD05	17.99	18430500	40.0
11-Dodecen-1-ol, 2,4	17.51	5.8	ug/mL	2557400	ISTD05	17.99	18430500	40.0
Cyclododecanecarboni	17.69	5.2	ug/mL	2277520	ISTD05	17.99	18430500	40.0
2-Methyl-2-vinyloxir	17.80	6.8	ug/mL	2963840	ISTD05	17.99	18430500	40.0
Propaneselenoamide,	18.45	5.8	ug/mL	2538480	ISTD05	17.99	18430500	40.0
Pentaleno[1,2-b]oxir	18.88	4.4	ug/mL	1932170	ISTD05	17.99	18430500	40.0
9-Octadecenamide, (Z	18.99	9.9	ug/mL	4358280	ISTD05	17.99	18430500	40.0
Ethanamine, N-cycloh	19.03	5.6	ug/mL	2553600	ISTD06	20.02	19120500	40.0
Cycloheptanone, oxim	19.25	5.8	ug/mL	2624530	ISTD06	20.02	19120500	40.0

E2003994.D BNA2M24.M Wed Aug 24 11:06:40 2005

000462

Form 1
SEMIVOLATILE Organics Analysis Data Sheet- EPA 8270

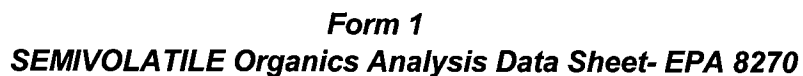
Client Sample ID

Blind Duplicate

Sample Amount:	950 ml	Date Collected:	8/15/05	Sample Type:	WATER
Matrix:	WATER	Date Received:	8/17/05		
Dilution Factor	1.00	Date Extracted:	08/22/05	SDG:	05080545
Conc. Extract Vol.:	1000 ul	Date Analyzed:	08/23/05	Lab ID:	05080545-15
Injection Volume:	1.0 ul	Level:	LOW	Lab File ID:	E2003995.D
GPC Cleanup:	N				

CONCENTRATION
UNITS: **ug/L**

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
Blind Duplicate	05080545-15	Acenaphthene	10 U
Blind Duplicate	05080545-15	Acenaphthylene	10 U
Blind Duplicate	05080545-15	Anthracene	10 U
Blind Duplicate	05080545-15	Benzo(a)anthracene	10 U
Blind Duplicate	05080545-15	Benzo(b)fluoranthene	10 U
Blind Duplicate	05080545-15	Benzo(k)fluoranthene	10 U
Blind Duplicate	05080545-15	Benzo(g,h,i)perylene	10 U
Blind Duplicate	05080545-15	Benzo(a)pyrene	10 U
Blind Duplicate	05080545-15	Bis(2-chloroethoxy)methane	10 U
Blind Duplicate	05080545-15	Bis(2-chloroethyl)ether	10 U
Blind Duplicate	05080545-15	Bis(2-chloroisopropyl)ether	10 U
Blind Duplicate	05080545-15	Bis(2-ethylhexyl)phthalate	10 U
Blind Duplicate	05080545-15	4-Bromophenyl phenyl ether	10 U
Blind Duplicate	05080545-15	Butyl benzyl phthalate	10 U
Blind Duplicate	05080545-15	4-Chloroaniline	10 U
Blind Duplicate	05080545-15	2-Chloronaphthalene	10 U
Blind Duplicate	05080545-15	4-Chlorophenyl phenyl ether	10 U
Blind Duplicate	05080545-15	Chrysene	10 U
Blind Duplicate	05080545-15	Dibenzo(a,h)anthracene	10 U
Blind Duplicate	05080545-15	Dibenzofuran	10 U
Blind Duplicate	05080545-15	Di-n-butylphthalate	10 U
Blind Duplicate	05080545-15	1,3-Dichlorobenzene	10 U
Blind Duplicate	05080545-15	1,4-Dichlorobenzene	10 U
Blind Duplicate	05080545-15	1,2-Dichlorobenzene	10 U
Blind Duplicate	05080545-15	3,3'-Dichlorobenzidine	10 U
Blind Duplicate	05080545-15	Diethylphthalate	10 U
Blind Duplicate	05080545-15	Dimethylphthalate	10 U
Blind Duplicate	05080545-15	2,4-Dinitrotoluene	10 U
Blind Duplicate	05080545-15	2,6-Dinitrotoluene	10 U
Blind Duplicate	05080545-15	Di-n-octylphthalate	10 U
Blind Duplicate	05080545-15	Fluoranthene	10 U
Blind Duplicate	05080545-15	Fluorene	10 U
Blind Duplicate	05080545-15	Hexachlorobenzene	10 U



Blind Duplicate

[illegible]

Data File : C:\HPCHEM\1\DATA\E2003995.D

Vial: 9

Acq On : 23 Aug 2005 9:19 pm

Operator: SW

Sample : 05080545-15 \$BNEXT/TICW 950ML/1ML ASPB

Inst : GCMS BNA

Misc : QBSV2082305A

Multiplr: 1.05

MS Integration Params: events.e

Quant Time: Aug 24 12:09 19105

Quant Results File: BNA2M24.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)

Title : GC MS BNA 2 Semi Volatiles Calibration

Last Update : Thu Jul 28 14:39:42 2005

Response via : Initial Calibration

DataAcq Meth : BNA2M24

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	1462283	40.00	ug/mL	-0.29
21) Naphthalene-d8	9.63	136	5394430	40.00	ug/mL	-0.29
35) Acenaphthene-d10	12.06	164	2648167	40.00	ug/mL	-0.30
57) Phenanthrene-d10	14.16	188	4697126	40.00	ug/mL	-0.30
75) Chrysene-d12	17.99	240	4837467	40.00	ug/mL	-0.30
84) Perylene-d12	20.02	264	5662572	40.00	ug/mL	-0.36

System Monitoring Compounds

4) 2-Fluorophenol	0.00	112	0	0.00	ug/mL	
Spiked Amount	200.000	Range	15 - 87	Recovery	=	0.00%#
5) Phenol-d5	0.00	99	0d	0.00	ug/mL	
Spiked Amount	200.000	Range	10 - 100	Recovery	=	0.00%#
19) Nitrobenzene-d5	8.74	82	3064664	51.41	ug/mL	-0.28
Spiked Amount	100.000	Range	26 - 120	Recovery	=	51.41%
38) 2-Fluorobiphenyl	11.10	172	4788504	55.58	ug/mL	-0.30
Spiked Amount	100.000	Range	29 - 120	Recovery	=	55.58%
59) 2,4,6-Tribromophenol	0.00	330	0	0.00	ug/mL	
Spiked Amount	200.000	Range	35 - 126	Recovery	=	0.00%#
70) Terphenyl-d14	16.46	244	6835548	61.94	ug/mL	-0.28
Spiked Amount	100.000	Range	35 - 127	Recovery	=	61.94%

Target Compounds

Qvalue

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

E2003995.D BNA2M24.M

Wed Aug 24 12:10:03 2005

000465

Page 1

DATA File : C:\HPCHEM\1\DATA\E2003995.D

Vial: 9

Acq On : 23 Aug 2005 9:19 pm

Operator: SW

Sample : 05080545-15 \$BNEXT/TICW 950ML/1ML ASPB

Inst : GCMS BNA

Misc : QBSV2082305A

Multiplr: 1.05

MS Integration Params: events.e

Quant Time: Aug 24 12:09 19105

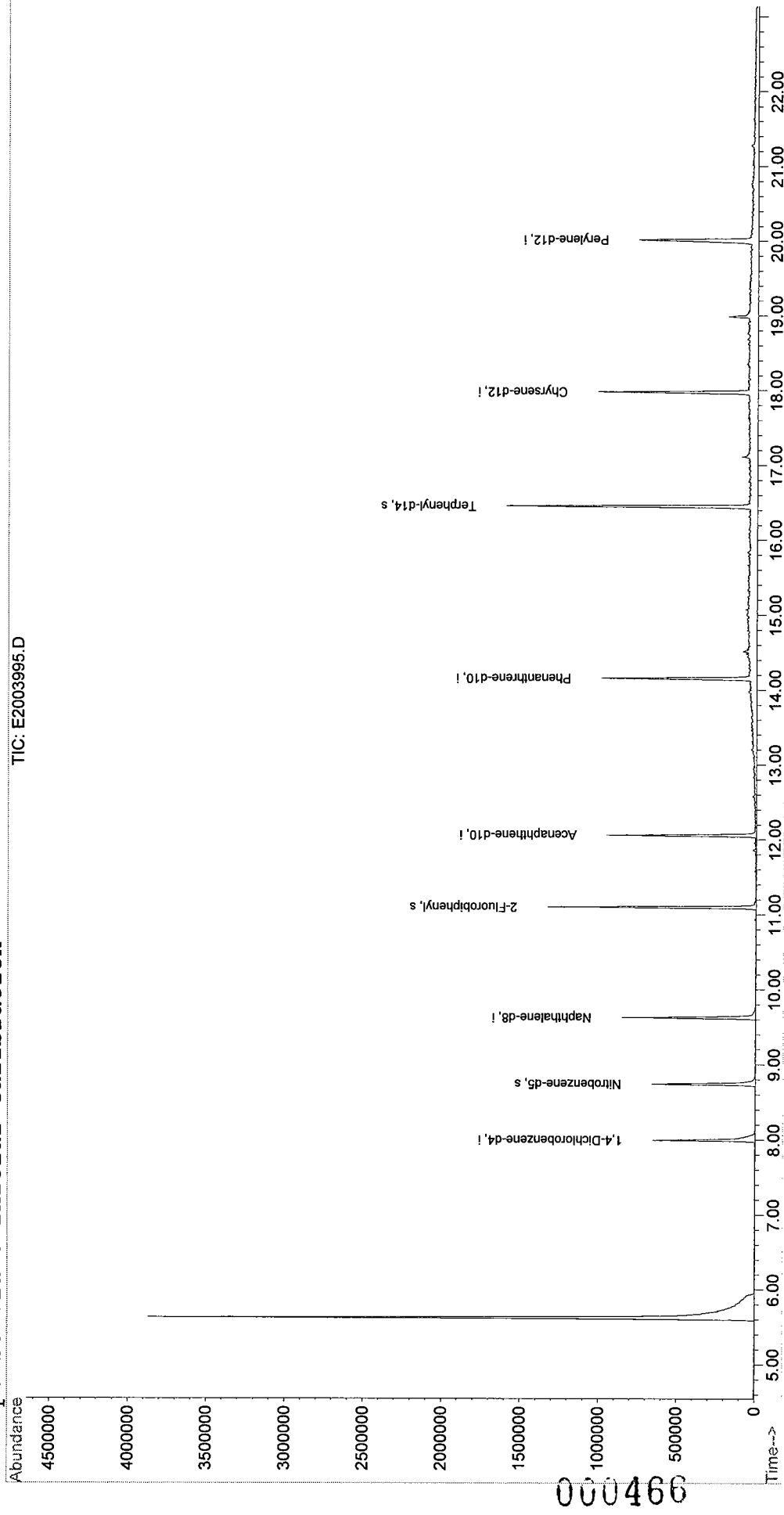
Quant Results File: BNA2M24.RES

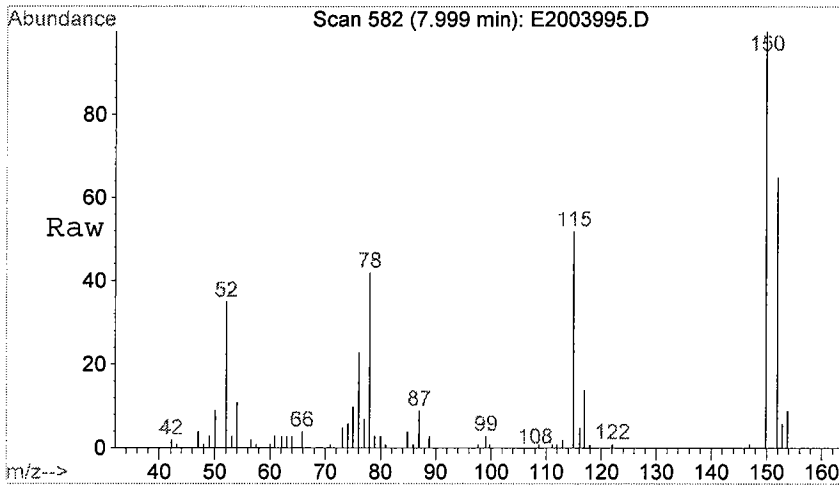
Method : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)

Title : GC MS BNA 2 Semi Volatiles Calibration

Last Update : Thu Jul 28 14:39:42 2005

Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 40.00 ug/mL

RT: 8.00 min Scan# 582

Delta R.T. -0.29 min

Lab File: E2003995.D

Acq: 23 Aug 2005 9:19 pm

Tgt Ion:152 Resp: 1462283

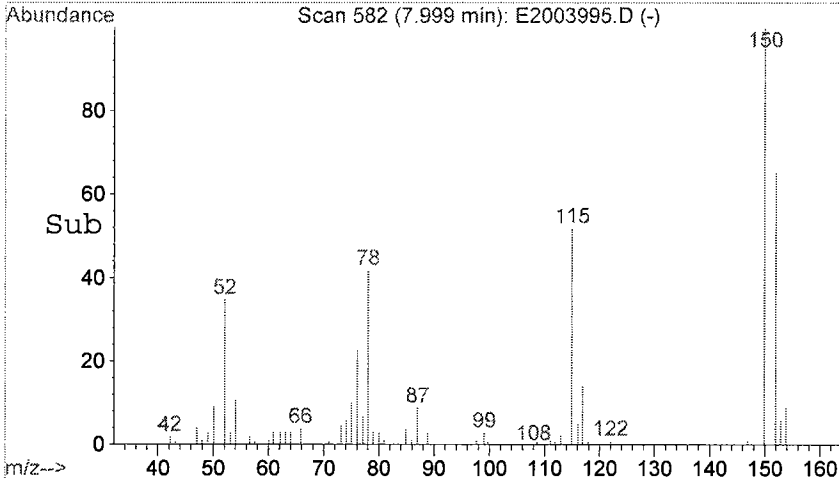
Ion Ratio Lower Upper

152 100

150 122.2 90.1 270.2

115 71.8 36.0 107.9

78 63.3 29.7 89.1



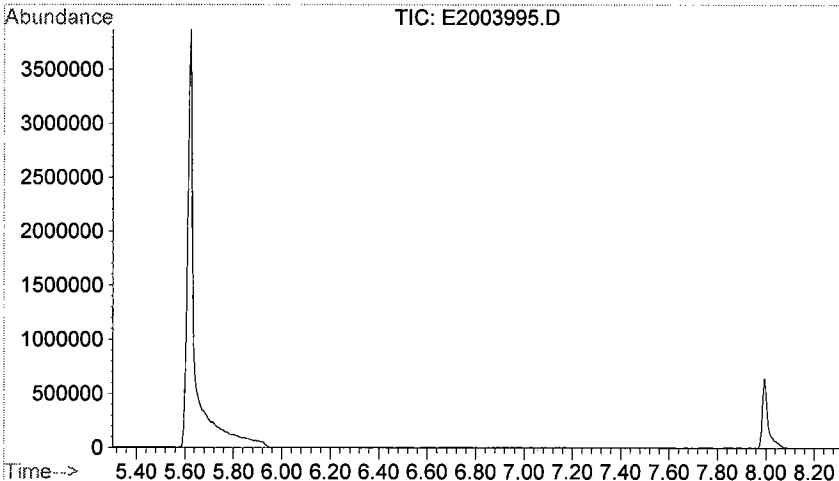
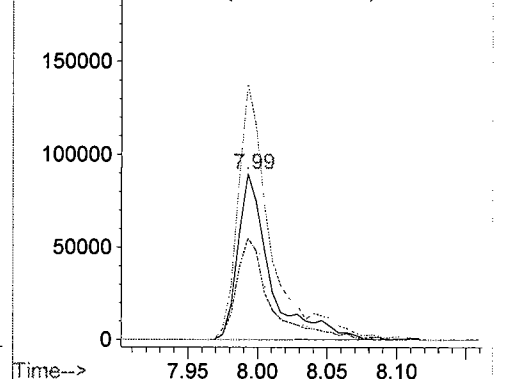
Abundance

Ion 152.00 (151.70 to 152.70): E2003995.D

Ion 150.00 (149.70 to 150.70): E2003995.D

Ion 115.00 (114.70 to 115.70): E2003995.D

Ion 78.00 (77.70 to 78.70): E2003995.D



#4

2-Fluorophenol

Concen: 0.00 ug/mL

Expected RT: 6.80 min

Lab File: E2003995.D

Acq: 23 Aug 2005 9:19 pm

Tgt Ion: 112

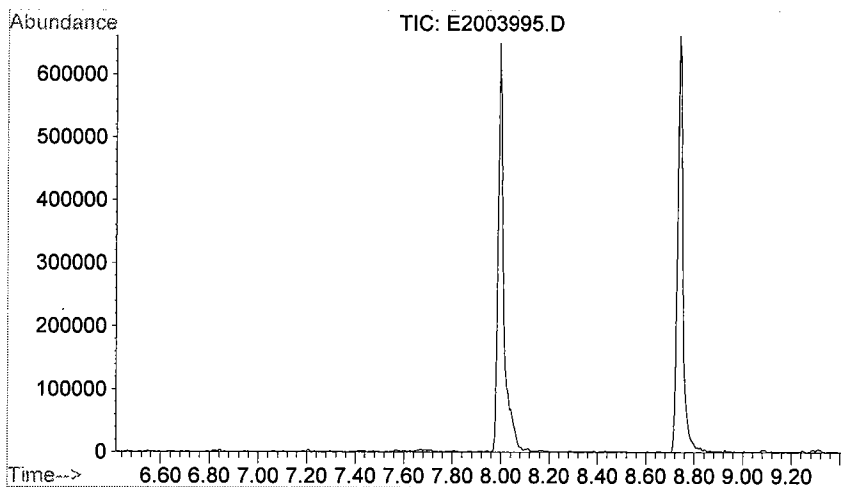
Sig Exp Ratio

112 100

64 43.8

92 19.1

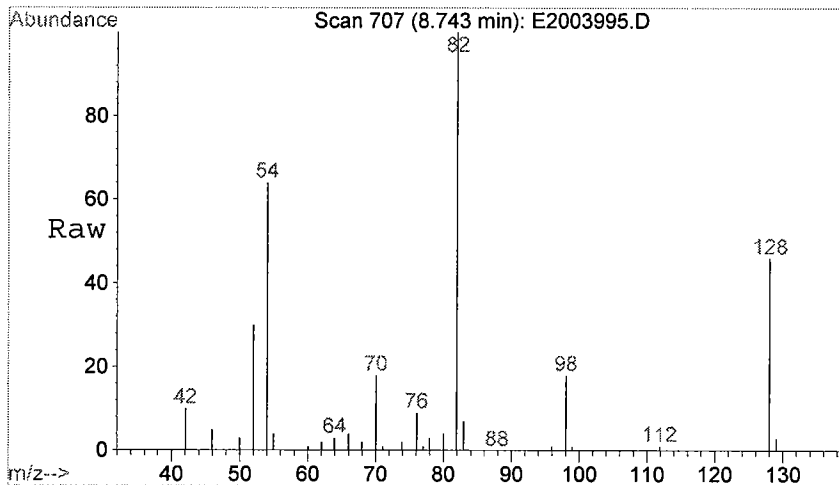
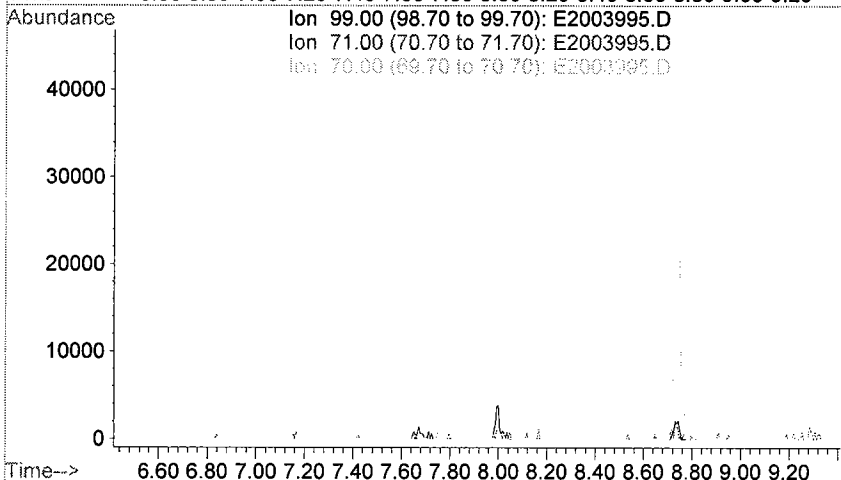




#5
Phenol-d5
Concen: 0.00 ug/mL
Expected RT: 7.91 min

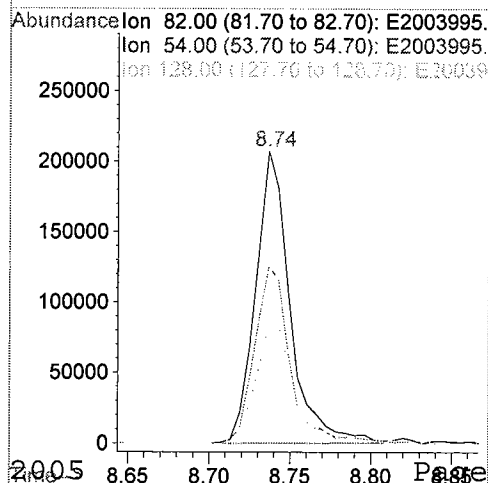
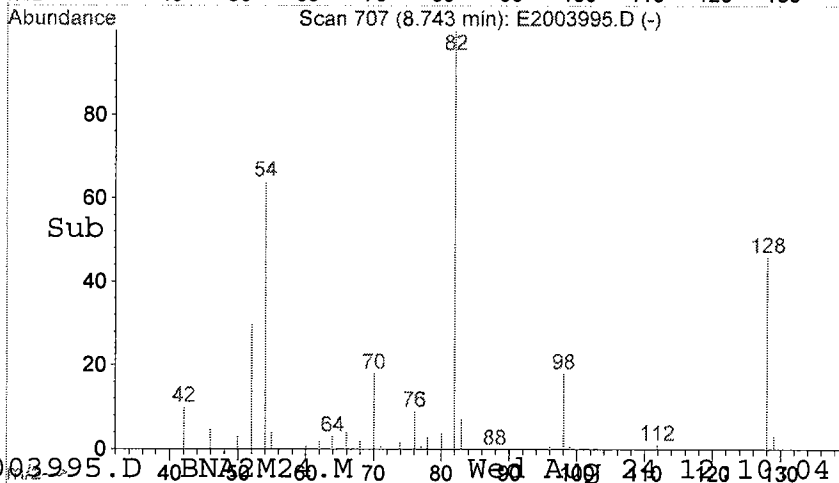
Lab File: E2003995.D
Acq: 23 Aug 2005 9:19 pm

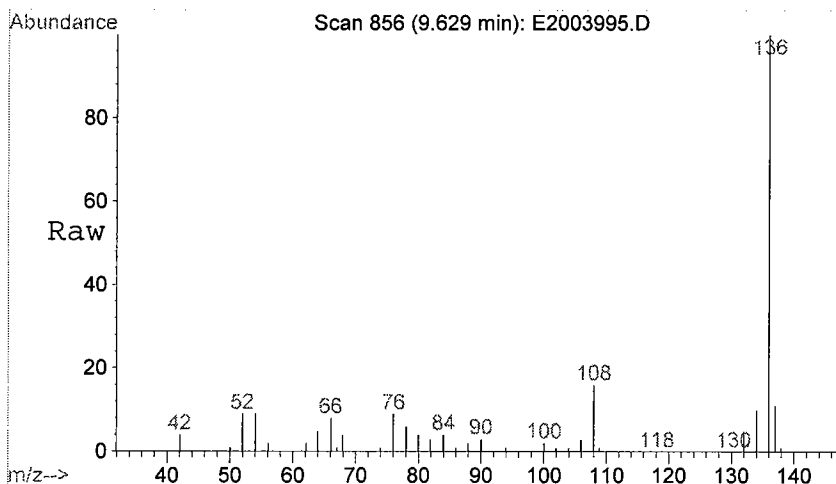
Tgt Ion: 99
Sig Exp Ratio
99 100
71 59.2
70 18.8



#19
Nitrobenzene-d5
Concen: 51.41 ug/mL
RT: 8.74 min Scan# 707
Delta R.T. -0.28 min
Lab File: E2003995.D
Acq: 23 Aug 2005 9:19 pm

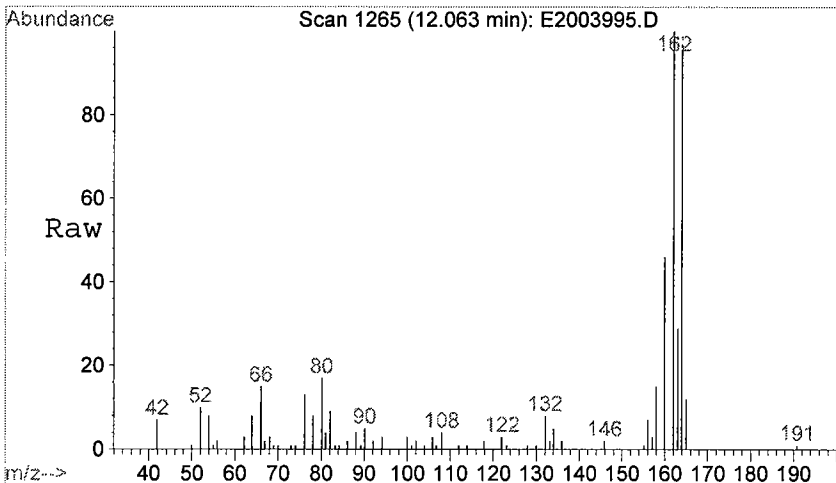
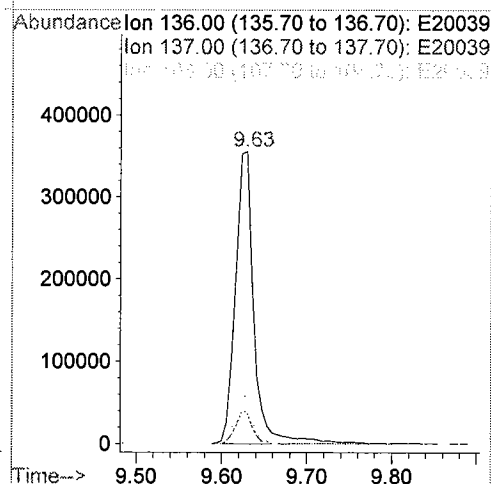
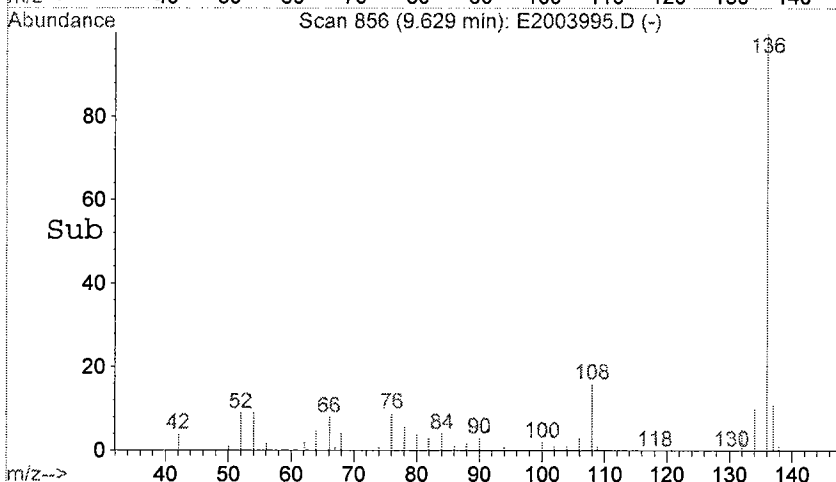
Tgt Ion: 82 Resp: 3064664
Ion Ratio Lower Upper
82 100
54 62.8 46.8 70.2
128 45.2 34.6 52.0





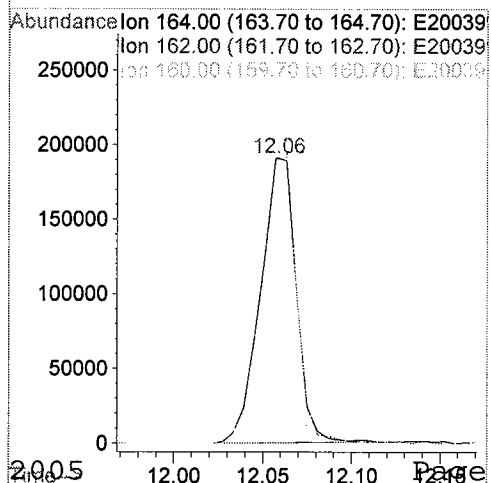
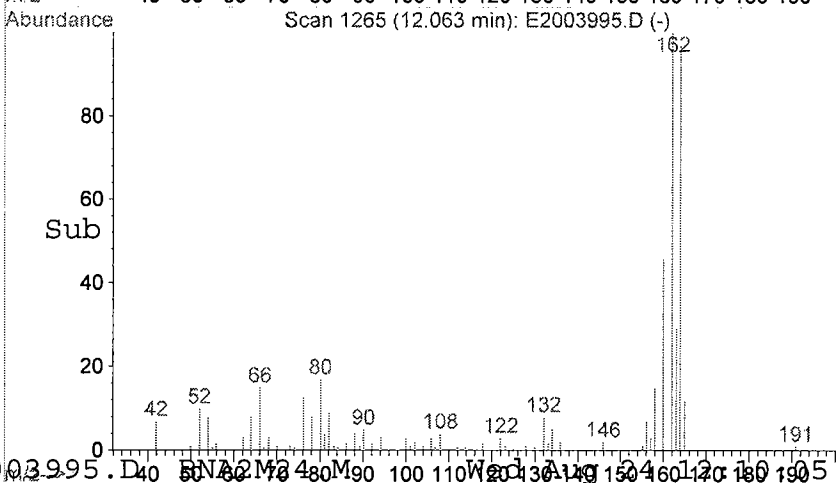
#21
Naphthalene-d8
Concen: 40.00 ug/mL
RT: 9.63 min Scan# 856
Delta R.T. -0.29 min
Lab File: E2003995.D
Acq: 23 Aug 2005 9:19 pm

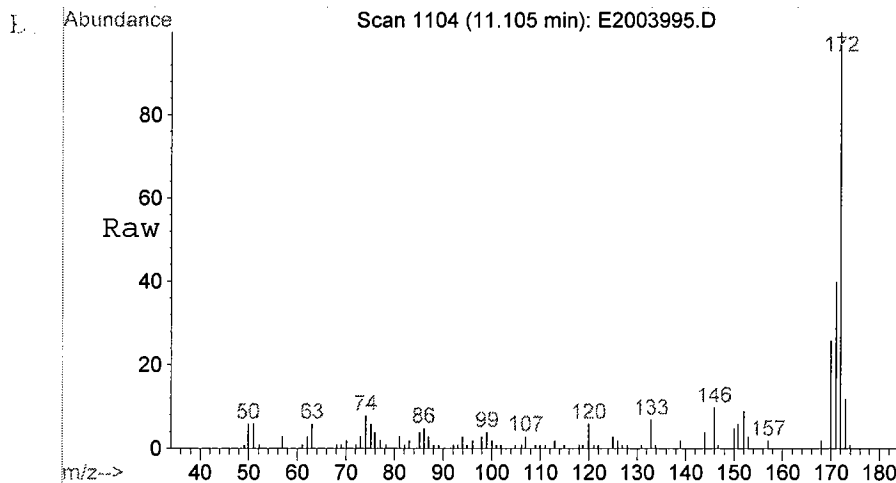
Tgt Ion:136 Resp: 5394430
Ion Ratio Lower Upper
136 100
137 10.1 5.4 16.1
108 15.0 8.3 24.8



#35
Acenaphthene-d10
Concen: 40.00 ug/mL
RT: 12.06 min Scan# 1265
Delta R.T. -0.30 min
Lab File: E2003995.D
Acq: 23 Aug 2005 9:19 pm

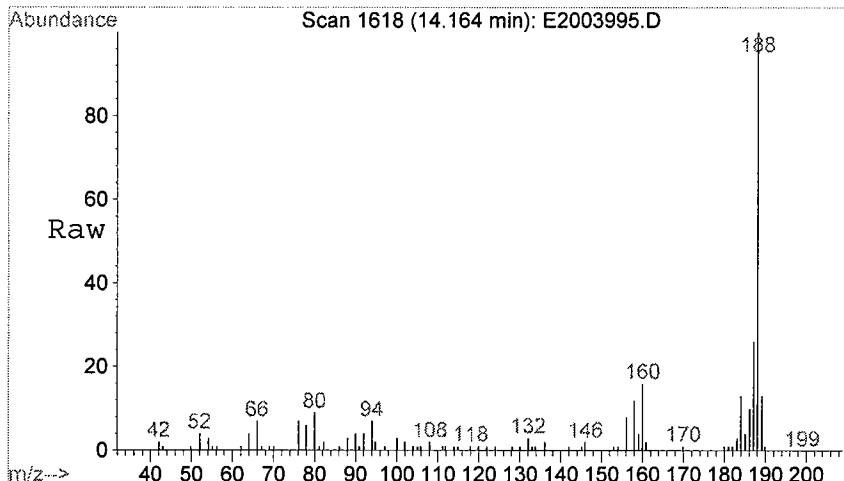
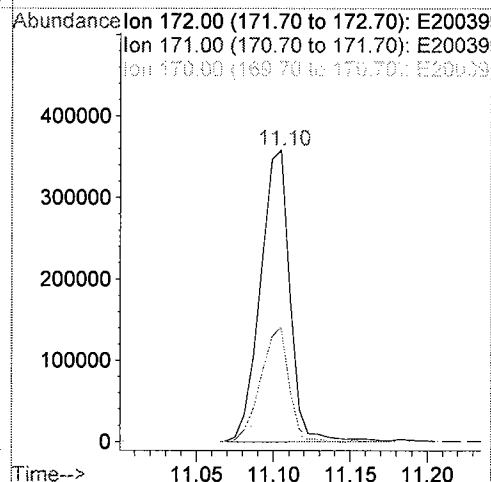
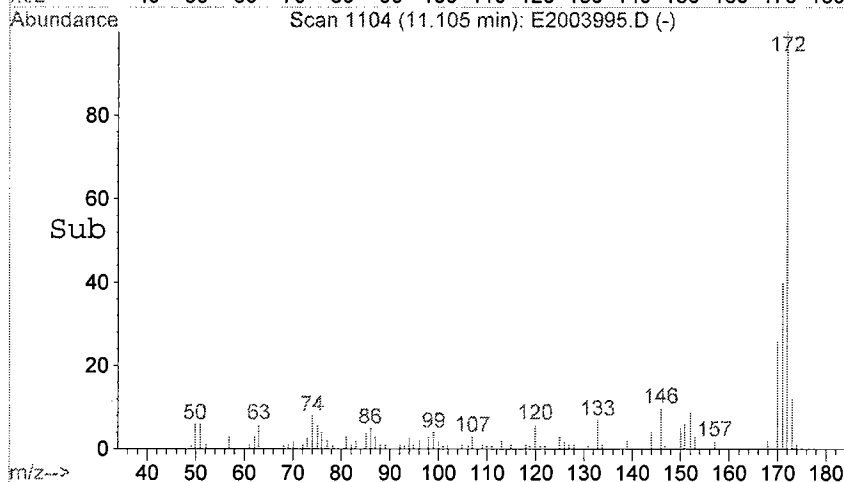
Tgt Ion:164 Resp: 2648167
Ion Ratio Lower Upper
164 100
162 101.7 48.6 145.8
160 46.2 22.0 66.0





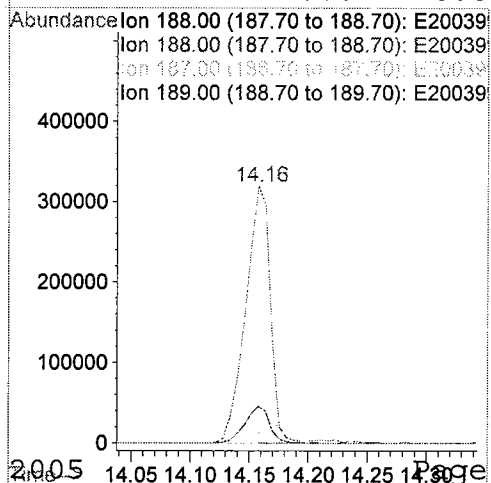
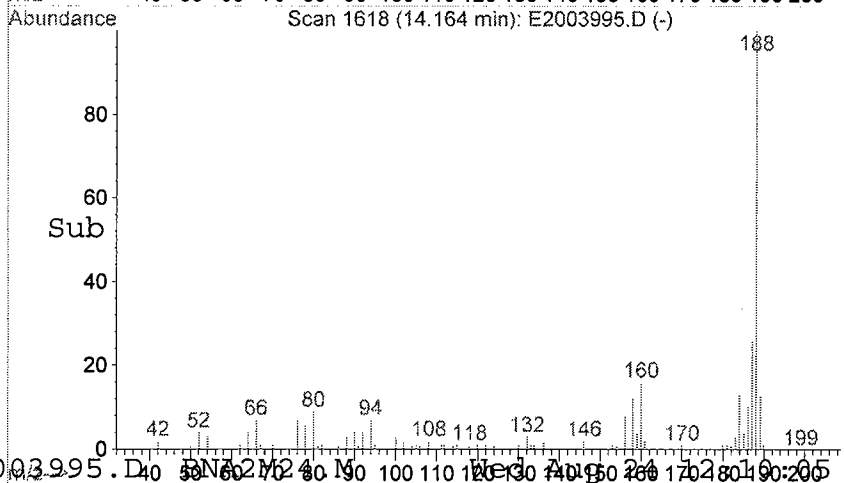
#38
 2-Fluorobiphenyl
 Concen: 55.58 ug/mL
 RT: 11.10 min Scan# 1104
 Delta R.T. -0.30 min
 Lab File: E2003995.D
 Acq: 23 Aug 2005 9:19 pm

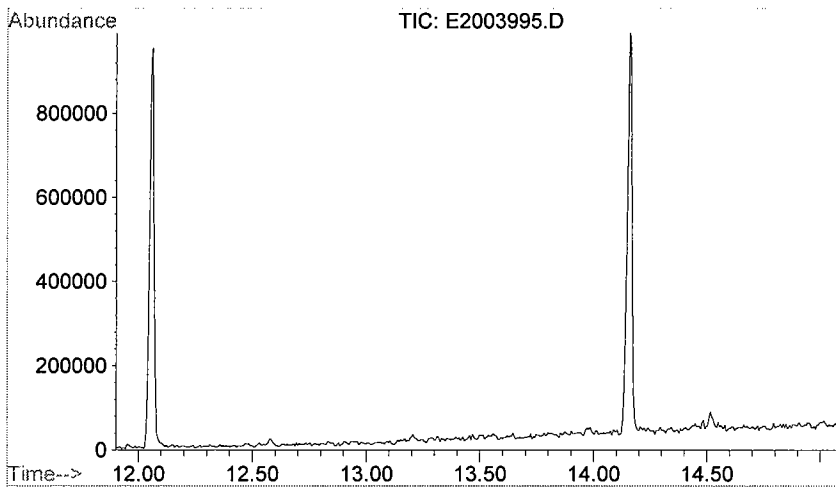
Tgt Ion:172 Resp: 4788504
 Ion Ratio Lower Upper
 172 100
 171 37.7 31.2 46.8
 170 24.3 20.1 30.1



#57
 Phenanthrene-d10
 Concen: 40.00 ug/mL
 RT: 14.16 min Scan# 1618
 Delta R.T. -0.30 min
 Lab File: E2003995.D
 Acq: 23 Aug 2005 9:19 pm

Tgt Ion:188 Resp: 4697126
 Ion Ratio Lower Upper
 188 100
 188 100.0 80.0 120.0
 187 0.0 0.0 0.0
 189 14.1 0.0 0.0#



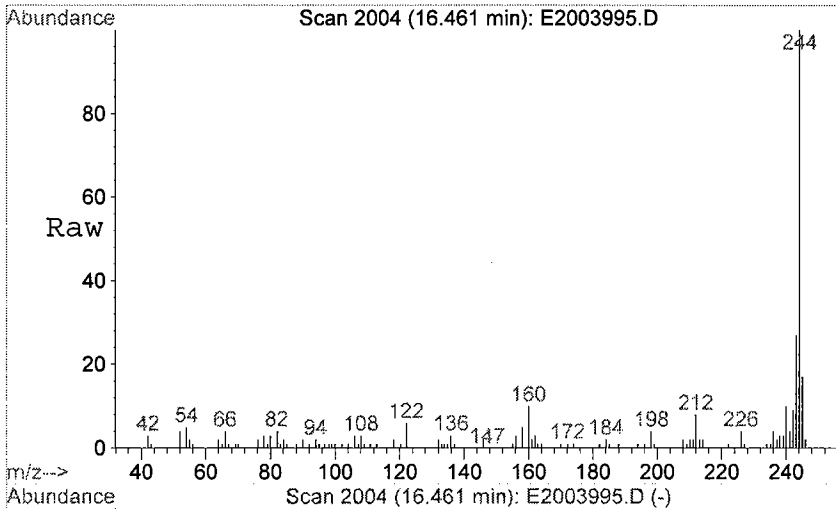
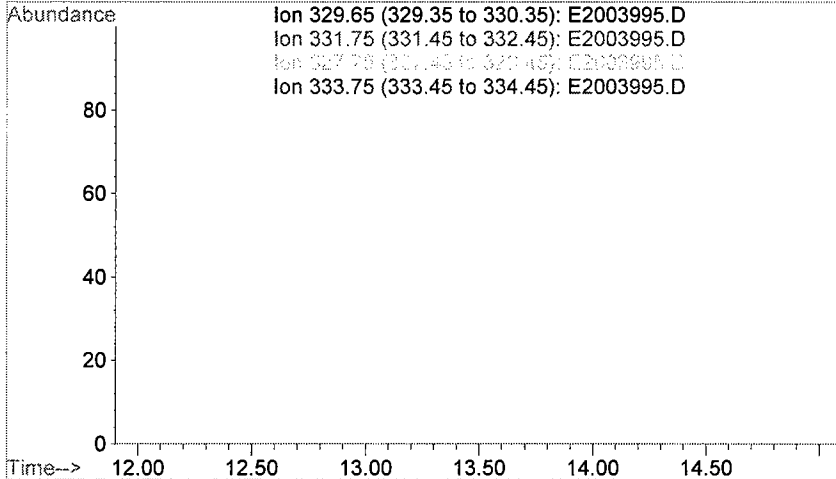


#59
2,4,6-Tribromophenol
Concen: 0.00 ug/mL
Expected RT: 13.50 min

Lab File: E2003995.D
Acq: 23 Aug 2005 9:19 pm

Tgt Ion: 330

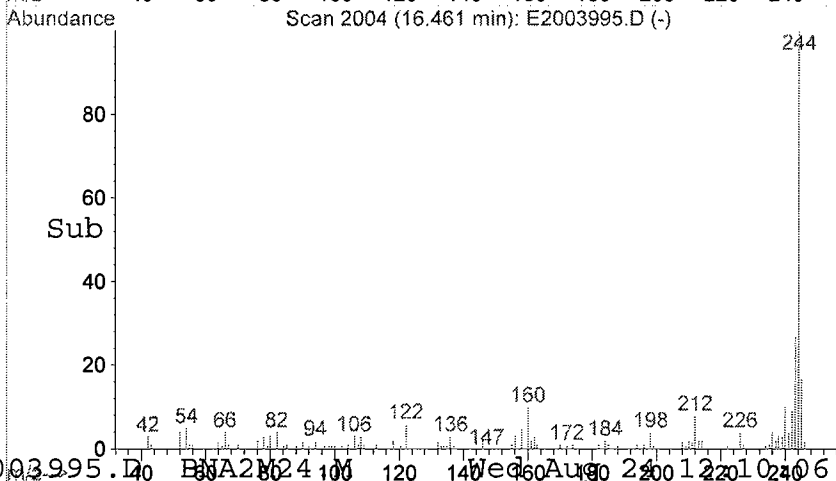
Sig	Exp Ratio
330	100
332	98.7
328	34.1
334	31.6



#70
Terphenyl-d14
Concen: 61.94 ug/mL
RT: 16.46 min Scan# 2004
Delta R.T. -0.28 min
Lab File: E2003995.D
Acq: 23 Aug 2005 9:19 pm

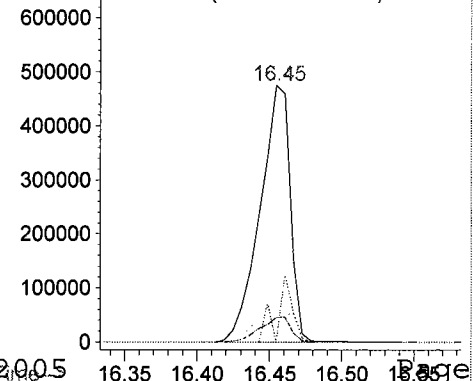
Tgt Ion: 244 Resp: 6835548

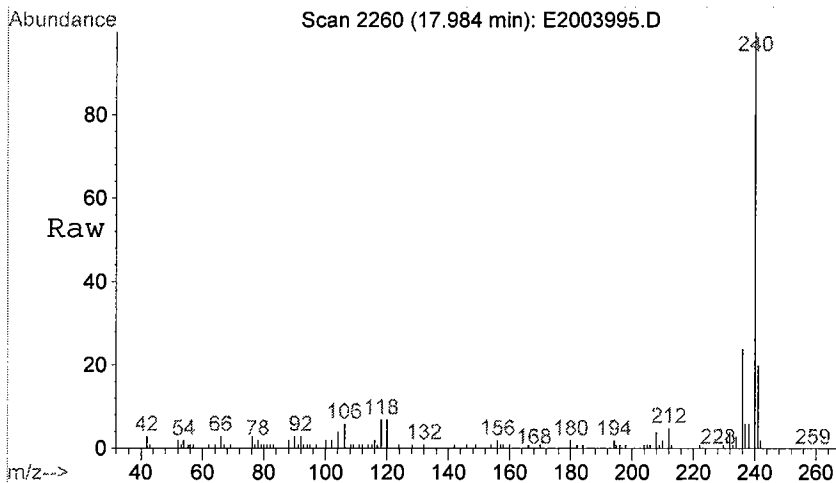
Ion	Ratio	Lower	Upper
244	100		
243	13.5	20.5	30.7#
245	18.2	15.7	23.5
240	10.0	7.7	11.5



Abundance

Ion 244.00 (243.70 to 244.70): E2003995.D
Ion 243.00 (242.70 to 243.70): E2003995.D
Ion 245.00 (244.70 to 245.70): E2003995.D
Ion 240.00 (239.70 to 240.70): E2003995.D

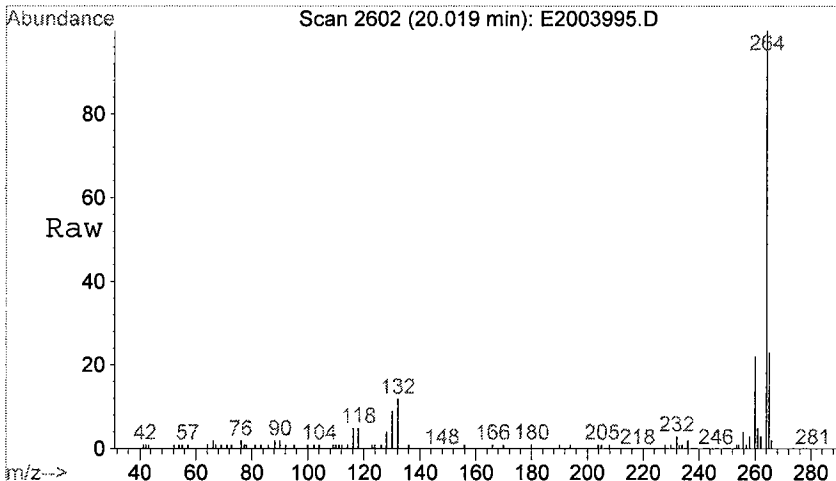
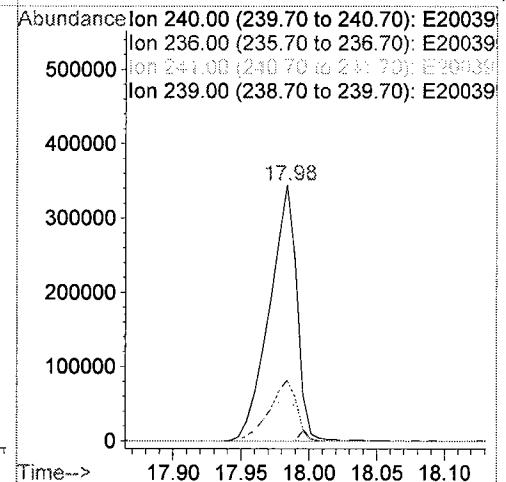
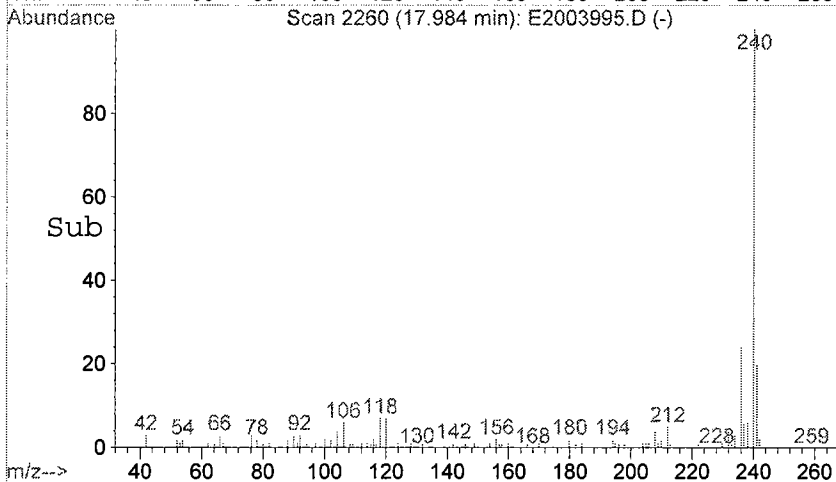




#75
 Chrysene-d12
 Concen: 40.00 ug/mL
 RT: 17.99 min Scan# 2260
 Delta R.T. -0.30 min
 Lab File: E2003995.D
 Acq: 23 Aug 2005 9:19 pm

Tgt Ion:240 Resp: 4837467

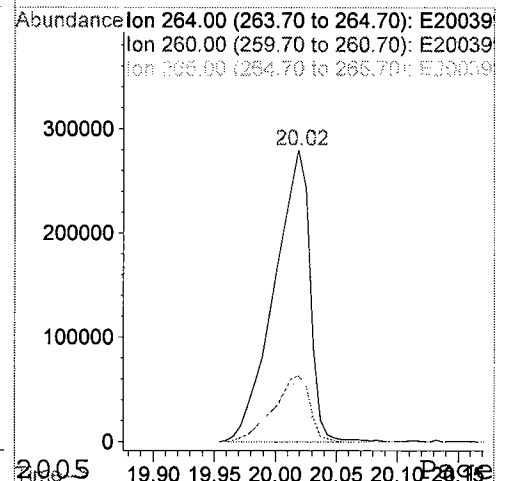
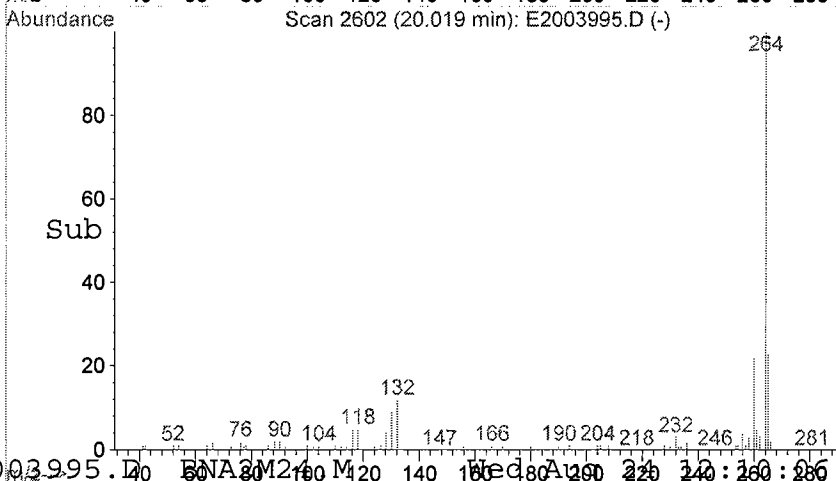
Ion	Ratio	Lower	Upper
240	100		
236	23.7	12.2	36.6
241	19.3	9.9	29.6
239	1.3	0.2	0.6



#84
 Perylene-d12
 Concen: 40.00 ug/mL
 RT: 20.02 min Scan# 2602
 Delta R.T. -0.36 min
 Lab File: E2003995.D
 Acq: 23 Aug 2005 9:19 pm

Tgt Ion:264 Resp: 5662572

Ion	Ratio	Lower	Upper
264	100		
260	23.0	11.0	32.9
265	21.3	9.8	29.4



Form 1-E
SEMIVOLATILES Tentatively Identified Compounds Data Sheet

Client Sample ID

Blind Duplicate

Sample Amount:	950 ML
Matrix:	WATER
Dilution Factor:	1.00

Date Collected:	8/15/05
Date Received:	8/17/05
Date Extracted:	8/22/05
Date Analyzed:	8/23/05
Level:	MEDIUM

Sample Type: **WATER**

SDG: 05080545
Lab ID: 05080545-15
File ID: E2003995.D

CONCENTRATION
UNITS: **ug/L** **DRY**

[illegible]

LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\E2003995.D Vial: 9
 Acq On : 23 Aug 2005 9:19 pm Operator: SW
 Sample : 05080545-15 \$BNEXT/TICW 950ML/1ML ASPB Inst : GCMS BNA
 Misc : QBSV2082305A Multiplr: 1.05
 MS Integration Params: LSCINT.e

Method : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)
 Title : GC MS BNA 2 Semi Volatiles Calibration

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	4.565	3	5	7	BV	3302	18935	0.02%	0.004%
2	4.613	7	13	14	VV	5789	90819	0.11%	0.021%
3	4.631	14	16	18	PV	3149	21706	0.03%	0.005%
4	4.649	18	19	21	VV	4439	31830	0.04%	0.007%
5	4.666	21	22	29	VV	4677	68859	0.08%	0.016%
6	4.720	29	31	32	VV	2889	25790	0.03%	0.006%
7	4.738	32	34	41	VV	3996	53614	0.06%	0.012%
8	4.791	41	43	48	VV	4145	35882	0.04%	0.008%
9	4.845	48	52	60	VV	2194	30638	0.04%	0.007%
10	4.976	70	74	78	VB	2587	29839	0.04%	0.007%
11	5.624	172	183	250	BV	3808708	83519531	100.00%	19.309%
12	6.321	297	300	302	PV	3716	24502	0.03%	0.006%
13	6.469	321	325	330	BV	1851	13946	0.02%	0.003%
14	6.553	337	339	344	VV	2137	31397	0.04%	0.007%
15	6.844	382	388	398	PV	3500	73082	0.09%	0.017%
16	7.065	423	425	428	VV	1977	19599	0.02%	0.005%
17	7.189	444	446	447	VV	2314	16259	0.02%	0.004%
18	7.207	447	449	452	VV	3815	29448	0.04%	0.007%
19	7.297	460	464	466	PV	2487	22524	0.03%	0.005%
20	7.422	478	485	491	BV	2476	56113	0.07%	0.013%
21	7.570	506	510	514	PV	3617	55044	0.07%	0.013%
22	7.600	514	515	518	VV	2394	24374	0.03%	0.006%
23	7.672	522	527	537	VV 2	4596	143727	0.17%	0.033%
24	7.808	543	550	554	VV 2	2576	52818	0.06%	0.012%
25	7.945	565	573	575	PV	2453	39211	0.05%	0.009%
26	7.999	575	582	598	PV	628172	10676146	12.78%	2.468%
27	8.112	598	601	605	VV 2	6141	85989	0.10%	0.020%
28	8.195	613	615	619	VV 2	2140	21405	0.03%	0.005%
29	8.290	625	631	635	PV 2	2531	26873	0.03%	0.006%
30	8.350	635	641	645	PV 2	1696	28472	0.03%	0.007%
31	8.386	645	647	650	PV 2	2337	14234	0.02%	0.003%
32	8.433	650	655	658	PV 2	2170	20838	0.02%	0.005%
33	8.511	664	668	671	VV 2	1957	27069	0.03%	0.006%
34	8.743	698	707	723	VV	656421	10472689	12.54%	2.421%

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35	8.844	723	724	726	VV	4416	36361	0.04%	0.008%
36	8.868	726	728	737	VV	2832	66428	0.08%	0.015%
37	8.927	737	738	749	VV	3434	60157	0.07%	0.014%
38	9.004	749	751	755	PV	1781	12982	0.02%	0.003%
39	9.088	762	765	768	VV	4165	53770	0.06%	0.012%
40	9.248	786	792	795	PV	2861	33843	0.04%	0.008%
41	9.290	795	799	801	PV	4303	42182	0.05%	0.010%
42	9.314	801	803	808	VV	4864	69914	0.08%	0.016%
43	9.445	820	825	829	PV	1708	20180	0.02%	0.005%
44	9.558	840	844	849	VV	2307	39583	0.05%	0.009%
45	9.629	849	856	876	VV	859036	12679939	15.18%	2.932%
46	9.754	876	877	886	VV	4382	88182	0.11%	0.020%
47	9.962	905	912	916	VV	2344	52509	0.06%	0.012%
48	10.070	927	930	932	VV	2151	28991	0.03%	0.007%
49	10.087	932	933	937	VV	2780	21059	0.03%	0.005%
50	10.141	937	942	946	VV	3869	59954	0.07%	0.014%
51	10.254	957	961	965	VV	2526	37866	0.05%	0.009%
52	10.296	965	968	970	VV	3350	30235	0.04%	0.007%
53	10.320	970	972	975	PV	2043	19421	0.02%	0.004%
54	10.409	984	987	988	VV	1960	19398	0.02%	0.004%
55	10.498	995	1002	1007	VV	3469	57711	0.07%	0.013%
56	10.534	1007	1008	1012	VV	2896	26357	0.03%	0.006%
57	10.581	1012	1016	1021	PV	2106	28461	0.03%	0.007%
58	10.665	1021	1030	1033	PV	1784	42232	0.05%	0.010%
59	10.712	1033	1038	1044	PV	3775	60304	0.07%	0.014%
60	10.891	1057	1068	1073	VV 2	3893	92624	0.11%	0.021%
61	10.938	1073	1076	1082	VV 2	11252	154254	0.18%	0.036%
62	10.986	1082	1084	1087	VV	3781	40503	0.05%	0.009%
63	11.034	1090	1092	1096	VV	3100	35352	0.04%	0.008%
64	11.105	1096	1104	1120	PV	1339295	17705257	21.20%	4.093%
65	11.224	1120	1124	1126	VV	4684	83796	0.10%	0.019%
66	11.266	1126	1131	1134	VV	4154	73702	0.09%	0.017%
67	11.301	1134	1137	1141	VV	3713	74367	0.09%	0.017%
68	11.331	1141	1142	1144	VV	2922	19643	0.02%	0.005%
69	11.361	1144	1147	1151	VV	2578	40696	0.05%	0.009%
70	11.397	1151	1153	1155	VV	2592	26356	0.03%	0.006%
71	11.426	1155	1158	1160	VV	3306	47750	0.06%	0.011%
72	11.456	1160	1163	1170	VV	3293	65274	0.08%	0.015%
73	11.516	1170	1173	1177	VV	6167	76134	0.09%	0.018%
74	11.551	1177	1179	1181	VV	2913	33404	0.04%	0.008%
75	11.581	1181	1184	1188	VV 2	9795	138662	0.17%	0.032%
76	11.629	1188	1192	1195	VV 2	6981	90841	0.11%	0.021%
77	11.658	1195	1197	1206	VV 2	4891	134302	0.16%	0.031%
78	11.736	1206	1210	1214	PV 4	4045	79749	0.10%	0.018%
79	11.771	1214	1216	1220	VV	5100	73538	0.09%	0.017%
80	11.807	1220	1222	1226	VV 2	7944	104829	0.13%	0.024%

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81	11.861	1226	1231	1238	VV 6	19808	346716	0.42%	0.080%
82	11.920	1238	1241	1245	VV	6345	115783	0.14%	0.027%
83	11.956	1245	1247	1254	VV 2	11402	215153	0.26%	0.050%
84	12.004	1254	1255	1258	VV 3	6698	78614	0.09%	0.018%
85	12.063	1258	1265	1277	VV	943003	13625949	16.31%	3.150%
86	12.152	1277	1280	1282	VV	10784	130745	0.16%	0.030%
87	12.170	1282	1283	1285	VV 2	8634	89003	0.11%	0.021%
88	12.194	1285	1287	1292	VV 4	8227	169377	0.20%	0.039%
89	12.242	1292	1295	1297	VV 2	8937	118983	0.14%	0.028%
90	12.319	1297	1308	1312	VV 6	11111	372297	0.45%	0.086%
91	12.361	1312	1315	1323	VV 5	11040	273576	0.33%	0.063%
92	12.426	1323	1326	1331	VV 3	9162	221054	0.26%	0.051%
93	12.474	1331	1334	1340	VV 5	13172	327742	0.39%	0.076%
94	12.533	1340	1344	1346	VV 3	13854	212029	0.25%	0.049%
95	12.581	1346	1352	1358	VV 4	24027	589291	0.71%	0.136%
96	12.640	1358	1362	1368	VV 6	11537	328392	0.39%	0.076%
97	12.694	1368	1371	1377	VV 4	12390	352871	0.42%	0.082%
98	12.735	1377	1378	1383	VV 3	14252	270384	0.32%	0.063%
99	12.777	1383	1385	1388	VV 3	13078	214632	0.26%	0.050%
100	12.807	1388	1390	1393	VV 3	13855	204384	0.24%	0.047%
101	12.837	1393	1395	1400	VV 5	16676	338237	0.40%	0.078%
102	12.908	1400	1407	1410	VV 5	17062	425252	0.51%	0.098%
103	12.938	1410	1412	1414	VV 2	17948	239162	0.29%	0.055%
104	12.962	1414	1416	1418	VV 3	18459	202885	0.24%	0.047%
105	12.985	1418	1420	1422	VV 2	14674	224065	0.27%	0.052%
106	13.009	1422	1424	1427	VV 3	14662	188904	0.23%	0.044%
107	13.104	1427	1440	1443	VV 7	17612	840578	1.01%	0.194%
108	13.170	1443	1451	1454	VV 8	23072	698837	0.84%	0.162%
109	13.206	1454	1457	1462	VV	33015	721837	0.86%	0.167%
110	13.247	1462	1464	1467	VV 3	22551	364350	0.44%	0.084%
111	13.289	1467	1471	1474	VV 5	25936	505106	0.60%	0.117%
112	13.319	1474	1476	1485	VV 8	28483	947409	1.13%	0.219%
113	13.396	1485	1489	1493	VV 5	27285	607076	0.73%	0.140%
114	13.426	1493	1494	1496	VV 2	26166	263954	0.32%	0.061%
115	13.473	1496	1502	1505	VV 5	32972	789020	0.94%	0.182%
116	13.503	1505	1507	1511	VV 5	32645	627213	0.75%	0.145%
117	13.539	1511	1513	1515	VV 3	31487	412902	0.49%	0.095%
118	13.563	1515	1517	1521	VV 4	34330	641362	0.77%	0.148%
119	13.646	1521	1531	1534	VV 9	34687	1221979	1.46%	0.283%
120	13.682	1534	1537	1539	VV 4	26322	466184	0.56%	0.108%
121	13.723	1539	1544	1552	VV 9	32650	1320489	1.58%	0.305%
122	13.783	1552	1554	1556	VV 3	35235	452817	0.54%	0.105%
123	13.807	1556	1558	1565	VV 7	37305	1115626	1.34%	0.258%
124	13.878	1565	1570	1573	VV 6	38968	964578	1.15%	0.223%
125	13.908	1573	1575	1576	VV 2	38894	416277	0.50%	0.096%
126	13.937	1576	1580	1583	VV 4	37965	867041	1.04%	0.200%
127	13.985	1583	1588	1591	VV 7	49044	1220450	1.46%	0.282%

128	14.015	1591	1593	1595	VV 3	42231	510471	0.61%	0.118%
129	14.045	1595	1598	1610	VV 3	36534	1970746	2.36%	0.456%
130	14.164	1610	1618	1624	VV	1009332	15972626	19.12%	3.693%
131	14.211	1624	1626	1630	VV 5	50800	926636	1.11%	0.214%
132	14.241	1630	1631	1636	VV 4	48414	1010190	1.21%	0.234%
133	14.295	1636	1640	1644	VV 5	49666	1205875	1.44%	0.279%
134	14.342	1644	1648	1651	VV 6	47956	994828	1.19%	0.230%
135	14.372	1651	1653	1656	VV 3	42809	843770	1.01%	0.195%
136	14.408	1656	1659	1661	VV 3	47766	750461	0.90%	0.174%
137	14.449	1661	1666	1670	VV 8	57922	1645725	1.97%	0.380%
138	14.485	1670	1672	1674	VV 3	65170	738717	0.88%	0.171%
139	14.515	1674	1677	1682	VV 2	83443	1845795	2.21%	0.427%
140	14.556	1682	1684	1690	VV 7	57325	1420575	1.70%	0.328%
141	14.616	1690	1694	1696	VV 4	50367	945119	1.13%	0.219%
142	14.646	1696	1699	1700	VV 3	49457	809724	0.97%	0.187%
143	14.663	1700	1702	1707	VV 6	53646	1131642	1.35%	0.262%
144	14.705	1707	1709	1711	VV 3	49956	651754	0.78%	0.151%
145	14.723	1711	1712	1714	VV 2	51075	517552	0.62%	0.120%
146	14.753	1714	1717	1721	VV 5	51966	1312802	1.57%	0.304%
147	14.800	1721	1725	1726	VV 4	57418	797135	0.95%	0.184%
148	14.884	1726	1739	1741	VV 10	55311	2830687	3.39%	0.654%
149	14.907	1741	1743	1746	VV 3	57931	876674	1.05%	0.203%
150	14.949	1746	1750	1753	VV 5	59824	1417393	1.70%	0.328%
151	15.015	1753	1761	1775	VV 5	63373	4232953	5.07%	0.979%
152	15.104	1775	1776	1781	VV 5	51274	1114520	1.33%	0.258%
153	15.157	1781	1785	1787	VV 5	56322	1066909	1.28%	0.247%
154	15.181	1787	1789	1792	VV 4	56519	963873	1.15%	0.223%
155	15.211	1792	1794	1797	VV 3	53596	981621	1.18%	0.227%
156	15.247	1797	1800	1808	VV 8	56502	1736226	2.08%	0.401%
157	15.306	1808	1810	1812	VV 3	52120	722083	0.86%	0.167%
158	15.342	1812	1816	1821	VV 7	56502	1646959	1.97%	0.381%
159	15.413	1821	1828	1833	VV 10	52609	1916890	2.30%	0.443%
160	15.461	1833	1836	1839	VV 5	55817	1211116	1.45%	0.280%
161	15.491	1839	1841	1843	VV 3	50443	732704	0.88%	0.169%
162	15.520	1843	1846	1849	VV 5	53309	1055893	1.26%	0.244%
163	15.550	1849	1851	1856	VV 5	48301	1032597	1.24%	0.239%
164	15.604	1856	1860	1862	VV 5	51016	1016988	1.22%	0.235%
165	15.639	1862	1866	1875	VV 10	50274	2108301	2.52%	0.487%
166	15.705	1875	1877	1881	VV 4	46858	893541	1.07%	0.207%
167	15.752	1881	1885	1888	VV 5	50376	1185235	1.42%	0.274%
168	15.794	1888	1892	1895	VV 4	52043	1185323	1.42%	0.274%
169	15.842	1895	1900	1902	VV 6	58817	1209365	1.45%	0.280%
170	15.860	1902	1903	1905	VV 2	48084	449323	0.54%	0.104%
171	15.883	1905	1907	1911	VV 5	42855	799370	0.96%	0.185%
172	15.919	1911	1913	1915	VV 3	45198	618699	0.74%	0.143%
173	15.943	1915	1917	1918	VV 2	43423	475901	0.57%	0.110%
174	15.967	1918	1921	1923	VV 4	43341	654872	0.78%	0.151%

175	15.984	1923	1924	1926	VV 2	47507	576106	0.69%	0.133%
176	16.008	1926	1928	1931	VV 4	44806	655250	0.78%	0.151%
177	16.038	1931	1933	1939	VV 7	50728	1398000	1.67%	0.323%
178	16.092	1939	1942	1948	VV 6	50075	1357152	1.62%	0.314%
179	16.145	1948	1951	1953	VV 3	48991	769310	0.92%	0.178%
180	16.163	1953	1954	1956	VV 2	48940	481549	0.58%	0.111%
181	16.181	1956	1957	1969	VV 2	46020	1885856	2.26%	0.436%
182	16.258	1969	1970	1972	VV 2	42892	437610	0.52%	0.101%
183	16.276	1972	1973	1976	VV 3	42671	663677	0.79%	0.153%
184	16.318	1976	1980	1984	VV 7	50739	1269496	1.52%	0.294%
185	16.389	1984	1992	1995	VV 8	47158	1618011	1.94%	0.374%
186	16.461	1995	2004	2012	VV	1649631	26066334	31.21%	6.026%
187	16.520	2012	2014	2020	VV 6	52469	1207732	1.45%	0.279%
188	16.568	2020	2022	2023	VV 2	45955	555330	0.66%	0.128%
189	16.591	2023	2026	2029	VV 4	51338	838338	1.00%	0.194%
190	16.621	2029	2031	2032	VV 2	43604	506863	0.61%	0.117%
191	16.639	2032	2034	2037	VV 4	44722	775926	0.93%	0.179%
192	16.669	2037	2039	2043	VV 4	44755	826131	0.99%	0.191%
193	16.705	2043	2045	2051	VV 6	49652	1123218	1.34%	0.260%
194	16.746	2051	2052	2056	VV 3	42356	745950	0.89%	0.172%
195	16.782	2056	2058	2060	VV 2	52071	587473	0.70%	0.136%
196	16.806	2060	2062	2064	VV 3	49724	619286	0.74%	0.143%
197	16.829	2064	2066	2069	VV 4	44455	773532	0.93%	0.179%
198	16.883	2069	2075	2077	VV 7	46732	1197425	1.43%	0.277%
199	16.907	2077	2079	2083	VV 4	46284	846341	1.01%	0.196%
200	16.948	2083	2086	2089	VV 5	47022	1026787	1.23%	0.237%
201	16.978	2089	2091	2094	VV 4	50537	731644	0.88%	0.169%
202	17.008	2094	2096	2097	VV 2	44749	435147	0.52%	0.101%
203	17.044	2097	2102	2104	VV 5	50957	1094926	1.31%	0.253%
204	17.068	2104	2106	2110	VV 5	50561	1033307	1.24%	0.239%
205	17.121	2110	2115	2117	VV 3	88896	1613019	1.93%	0.373%
206	17.145	2117	2119	2123	VV 5	61664	1100906	1.32%	0.255%
207	17.181	2123	2125	2128	VV 4	50780	856503	1.03%	0.198%
208	17.222	2128	2132	2135	VV 5	49781	1008042	1.21%	0.233%
209	17.264	2135	2139	2141	VV 4	46388	969740	1.16%	0.224%
210	17.288	2141	2143	2149	VV 5	48400	1216193	1.46%	0.281%
211	17.335	2149	2151	2152	VV 2	47975	568448	0.68%	0.131%
212	17.353	2152	2154	2156	VV 3	49842	585467	0.70%	0.135%
213	17.389	2156	2160	2164	VV 6	48990	1294076	1.55%	0.299%
214	17.425	2164	2166	2174	VV 9	49830	1598669	1.91%	0.370%
215	17.484	2174	2176	2179	VV 4	52740	919133	1.10%	0.212%
216	17.514	2179	2181	2189	VV 8	48556	1477067	1.77%	0.341%
217	17.603	2189	2196	2198	VV 6	49670	1409717	1.69%	0.326%
218	17.639	2198	2202	2204	VV 5	54018	1074315	1.29%	0.248%
219	17.669	2204	2207	2209	VV 3	52984	902106	1.08%	0.209%
220	17.686	2209	2210	2218	VV 7	53272	1444122	1.73%	0.334%

221	17.782	2218	2226	2228	VV 7	51410	1753899	2.10%	0.405%
222	17.805	2228	2230	2233	VV 4	52143	838442	1.00%	0.194%
223	17.841	2233	2236	2240	VV 6	55151	1139199	1.36%	0.263%
224	17.895	2240	2245	2250	VV 9	49260	1778975	2.13%	0.411%
225	17.984	2250	2260	2266	VV	980567	16607797	19.88%	3.840%
226	18.037	2266	2269	2274	VV 6	52958	1319172	1.58%	0.305%
227	18.109	2274	2281	2288	VV 8	54321	2504547	3.00%	0.579%
228	18.174	2288	2292	2295	VV 5	50740	1249945	1.50%	0.289%
229	18.210	2295	2298	2317	VV 5	52070	3633353	4.35%	0.840%
230	18.353	2317	2322	2324	VV 5	59071	1246693	1.49%	0.288%
231	18.371	2324	2325	2329	VV 3	57151	960634	1.15%	0.222%
232	18.412	2329	2332	2336	VV 4	51408	1215296	1.46%	0.281%
233	18.442	2336	2337	2341	VV 4	50028	891676	1.07%	0.206%
234	18.478	2341	2343	2344	VV 2	49290	526096	0.63%	0.122%
235	18.508	2344	2348	2353	VV 8	47890	1429181	1.71%	0.330%
236	18.549	2353	2355	2357	VV 3	47339	626824	0.75%	0.145%
237	18.573	2357	2359	2361	VV 3	52591	789698	0.95%	0.183%
238	18.627	2361	2368	2370	VV 7	57264	1602831	1.92%	0.371%
239	18.650	2370	2372	2374	VV 3	48832	586642	0.70%	0.136%
240	18.686	2374	2378	2387	VV 3	59590	2183002	2.61%	0.505%
241	18.763	2387	2391	2397	VV 8	57827	1842980	2.21%	0.426%
242	18.811	2397	2399	2403	VV 4	51843	1002302	1.20%	0.232%
243	18.894	2403	2413	2414	VV 9	59330	2100674	2.52%	0.486%
244	18.906	2414	2415	2418	VV 2	55007	674666	0.81%	0.156%
245	18.942	2418	2421	2423	VV 4	50118	705345	0.84%	0.163%
246	18.990	2423	2429	2442	VV 2	173230	5092763	6.10%	1.177%
247	19.079	2442	2444	2446	VV 3	49311	663933	0.79%	0.153%
248	19.109	2446	2449	2450	VV 3	47101	667182	0.80%	0.154%
249	19.126	2450	2452	2455	VV 4	47276	845588	1.01%	0.195%
250	19.156	2455	2457	2462	VV 6	50083	988336	1.18%	0.228%
251	19.198	2462	2464	2468	VV 5	44590	890556	1.07%	0.206%
252	19.234	2468	2470	2472	VV 3	46988	686786	0.82%	0.159%
253	19.275	2472	2477	2479	VV 6	46591	1045883	1.25%	0.242%
254	19.299	2479	2481	2489	VV 8	49202	1478488	1.77%	0.342%
255	19.370	2489	2493	2497	VV 7	48592	1253110	1.50%	0.290%
256	19.406	2497	2499	2501	VV 3	46897	656252	0.79%	0.152%
257	19.430	2501	2503	2506	VV 3	46226	721830	0.86%	0.167%
258	19.454	2506	2507	2511	VV 4	46752	732000	0.88%	0.169%
259	19.495	2511	2514	2518	VV 5	43250	1027491	1.23%	0.238%
260	19.537	2518	2521	2527	VV 6	42441	1184074	1.42%	0.274%
261	19.585	2527	2529	2532	VV 3	38087	523074	0.63%	0.121%
262	19.614	2532	2534	2543	VV 10	37422	1505166	1.80%	0.348%
263	19.680	2543	2545	2547	VV 3	37123	505347	0.61%	0.117%
264	19.704	2547	2549	2554	VV 5	37399	892062	1.07%	0.206%
265	19.745	2554	2556	2558	VV 3	37214	466194	0.56%	0.108%
266	19.775	2558	2561	2565	VV 5	40241	889065	1.06%	0.206%
267	19.829	2565	2570	2573	VV 6	38028	999780	1.20%	0.231%

268	19.864	2573	2576	2581	VV 7	42743	1015996	1.22%	0.235%
269	19.918	2581	2585	2592	VV 9	38605	1326490	1.59%	0.307%
270	20.019	2592	2602	2609	VV	732337	16724975	20.03%	3.867%
271	20.073	2609	2611	2617	VV 7	40807	1038585	1.24%	0.240%
272	20.126	2617	2620	2628	VV 7	36487	1229997	1.47%	0.284%
273	20.209	2628	2634	2638	VV 6	34017	1133939	1.36%	0.262%
274	20.328	2638	2654	2658	VV 6	32853	1934947	2.32%	0.447%
275	20.394	2658	2665	2667	VV 6	30835	825127	0.99%	0.191%
276	20.412	2667	2668	2670	VV 2	25491	240694	0.29%	0.056%
277	20.459	2670	2676	2678	VV 6	27546	731601	0.88%	0.169%
278	20.483	2678	2680	2682	VV 3	25463	332720	0.40%	0.077%
279	20.519	2682	2686	2689	VV 6	26808	542376	0.65%	0.125%
280	20.549	2689	2691	2697	VV 6	29302	754200	0.90%	0.174%
281	20.596	2697	2699	2700	VV 2	25091	239422	0.29%	0.055%
282	20.614	2700	2702	2703	VV 2	24831	266352	0.32%	0.062%
283	20.632	2703	2705	2707	VV 2	27549	297392	0.36%	0.069%
284	20.656	2707	2709	2710	VV 2	29277	332621	0.40%	0.077%
285	20.674	2710	2712	2716	VV 5	26501	438945	0.53%	0.101%
286	20.733	2716	2722	2724	VV 5	27923	654880	0.78%	0.151%
287	20.769	2724	2728	2733	VV 7	33001	910457	1.09%	0.210%
288	20.810	2733	2735	2737	VV 3	31162	368117	0.44%	0.085%
289	20.834	2737	2739	2746	VV 6	21865	620818	0.74%	0.144%
290	20.924	2750	2754	2758	VV 7	22709	532788	0.64%	0.123%
291	20.983	2758	2764	2765	VV 4	19339	445025	0.53%	0.103%
292	21.001	2765	2767	2768	VV 2	17123	163584	0.20%	0.038%
293	21.019	2768	2770	2772	VV 3	26245	271676	0.33%	0.063%
294	21.043	2772	2774	2776	VV 3	23864	303804	0.36%	0.070%
295	21.078	2776	2780	2784	VV 5	22249	530149	0.63%	0.123%
296	21.114	2784	2786	2789	VV 4	19587	301525	0.36%	0.070%
297	21.156	2789	2793	2798	VV 6	21034	551745	0.66%	0.128%
298	21.203	2798	2801	2806	VV 5	21570	461677	0.55%	0.107%
299	21.281	2806	2814	2819	VV 10	31800	963938	1.15%	0.223%
300	21.316	2819	2820	2825	VV 4	18123	348082	0.42%	0.080%
301	21.382	2828	2831	2832	VV 3	14279	181417	0.22%	0.042%
302	21.411	2832	2836	2840	VV 5	19287	413999	0.50%	0.096%
303	21.465	2840	2845	2851	VV 8	16824	515861	0.62%	0.119%
304	21.513	2851	2853	2856	VV 3	12957	217177	0.26%	0.050%
305	21.542	2856	2858	2866	VV 5	16334	408892	0.49%	0.095%
306	21.614	2866	2870	2872	VV 4	14990	264698	0.32%	0.061%
307	21.638	2872	2874	2883	VV 8	20348	522404	0.63%	0.121%
308	21.703	2883	2885	2887	VV 2	15102	160395	0.19%	0.037%
309	21.721	2887	2888	2892	VV 4	13277	193791	0.23%	0.045%
310	21.751	2892	2893	2907	VV 9	13701	516330	0.62%	0.119%
311	21.840	2907	2908	2910	VV 2	12945	143060	0.17%	0.033%
312	21.870	2910	2913	2918	VV 4	15468	302824	0.36%	0.070%
313	21.905	2918	2919	2921	VV 2	12260	104487	0.13%	0.024%
314	21.941	2921	2925	2929	VV 7	14531	316340	0.38%	0.073%

315	21.983	2929	2932	2939	VV 8	13447	382103	0.46%	0.088%
316	22.036	2939	2941	2949	VV 5	12561	319177	0.38%	0.074%
317	22.108	2949	2953	2960	VV 8	13119	291580	0.35%	0.067%
318	22.197	2960	2968	2972	VV 7	12580	361554	0.43%	0.084%
319	22.245	2972	2976	2978	VV 4	10899	177253	0.21%	0.041%
320	22.268	2978	2980	2982	VV 3	10767	104196	0.12%	0.024%
321	22.298	2982	2985	2989	VV 6	8580	186072	0.22%	0.043%
322	22.328	2989	2990	2996	VV 5	8263	144578	0.17%	0.033%
323	22.369	2996	2997	2999	VV 2	11046	60271	0.07%	0.014%
324	22.387	2999	3000	3006	VV 5	11097	158924	0.19%	0.037%
325	22.441	3006	3009	3013	VV 4	7903	143582	0.17%	0.033%
326	22.494	3013	3018	3020	VV 4	9371	135700	0.16%	0.031%
327	22.536	3020	3025	3027	VV 5	9045	144509	0.17%	0.033%
328	22.566	3027	3030	3032	VV 3	9524	122521	0.15%	0.028%
329	22.590	3032	3034	3038	VV 5	7197	132961	0.16%	0.031%
330	22.631	3038	3041	3045	VV 6	7208	124405	0.15%	0.029%
331	22.667	3045	3047	3048	VV 2	8220	64377	0.08%	0.015%
332	22.685	3048	3050	3052	VV 3	7388	70481	0.08%	0.016%
333	22.715	3052	3055	3058	VV 5	7973	99647	0.12%	0.023%
334	22.756	3058	3062	3064	VV 4	7864	95969	0.11%	0.022%
335	22.774	3064	3065	3069	VV 4	8205	108611	0.13%	0.025%
336	22.810	3069	3071	3073	VV 3	6490	53265	0.06%	0.012%
337	22.840	3073	3076	3079	VV 3	5148	77156	0.09%	0.018%
338	22.863	3079	3080	3082	VV 2	3331	30641	0.04%	0.007%
339	22.905	3082	3087	3090	VV 4	5037	107105	0.13%	0.025%
340	22.935	3090	3092	3098	VV 6	8164	126226	0.15%	0.029%
341	22.976	3098	3099	3109	VV 7	5088	107246	0.13%	0.025%
342	23.048	3109	3111	3113	VV 3	4224	39121	0.05%	0.009%
343	23.072	3113	3115	3118	VV 3	5442	62637	0.07%	0.014%
344	23.101	3118	3120	3122	VBA2	5205	79150	0.09%	0.018%

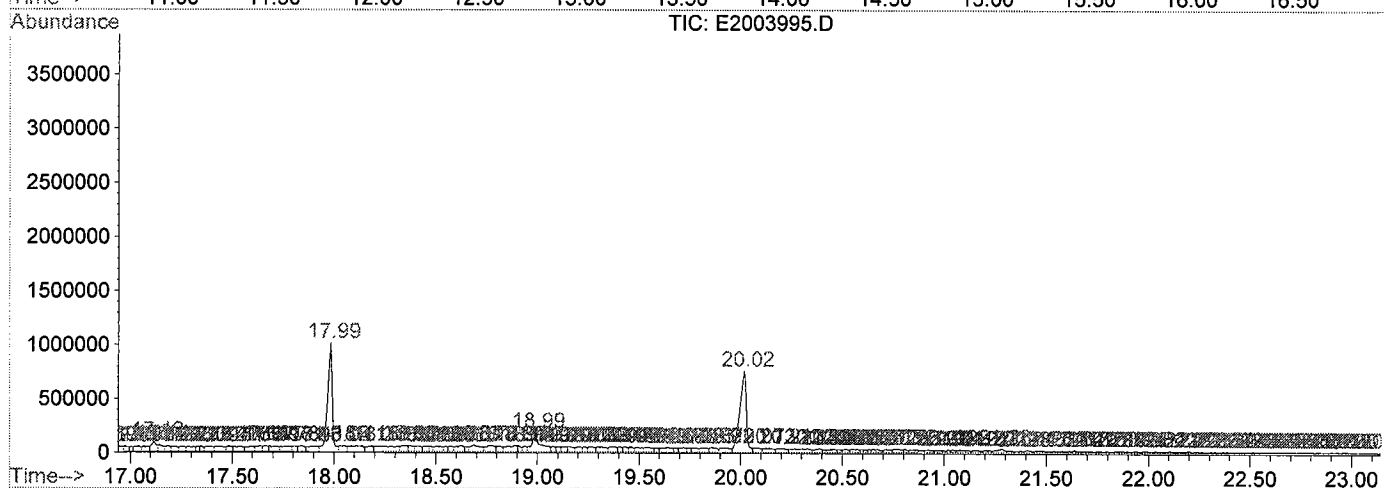
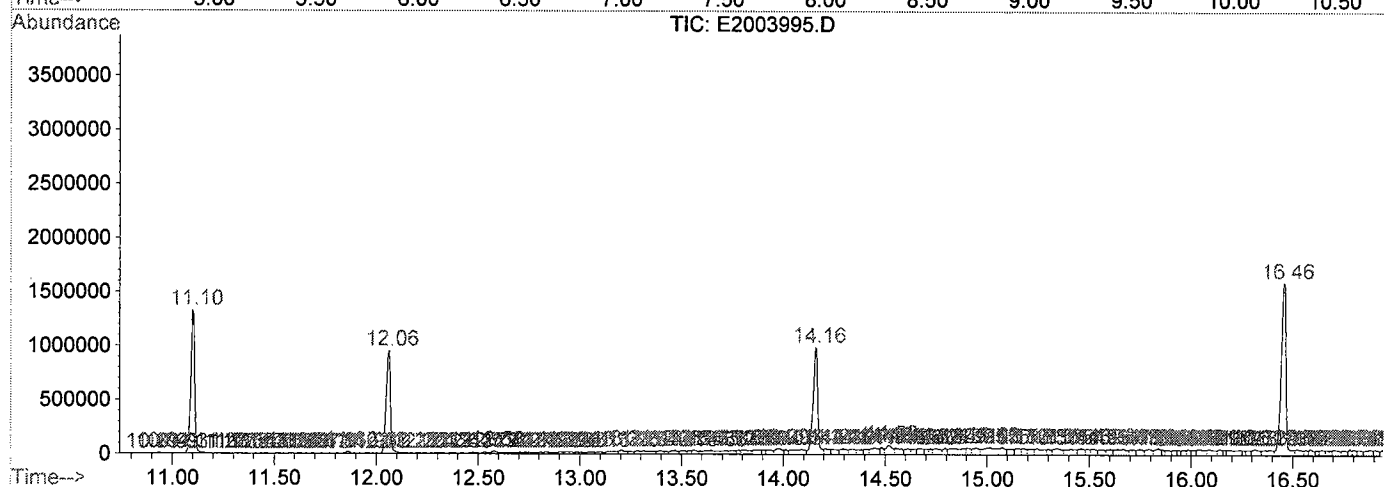
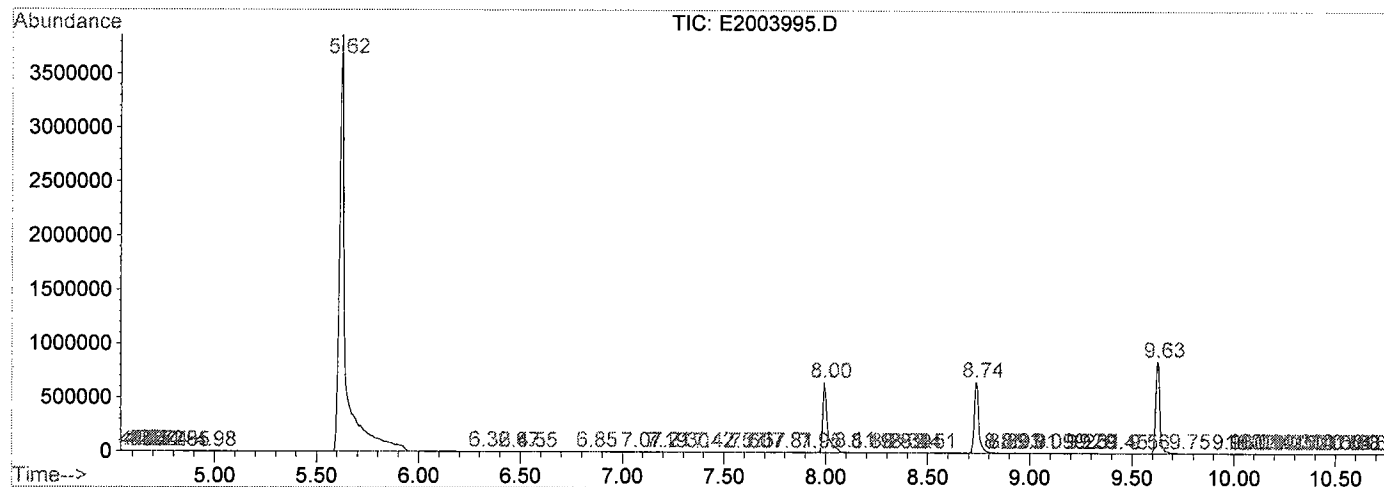
Sum of corrected areas: 432534370

E2003995.D BNA2M24.M Wed Aug 24 11:06:58 2005

000481

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\E2003995.D
 Operator : SW
 Acquired : 23 Aug 2005 9:19 pm using AcqMethod BNA2M24
 Instrument : GCMS BNA
 Sample Name: 05080545-15 \$BNEXT/TICW 950ML/1ML ASPB
 Misc Info : QBSV2082305A
 Vial Number: 9
 Quant File :BNA2M24.RES (Chemstation Integrator)



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\E2003995.D

Vial: 9

Acq On : 23 Aug 2005 9:19 pm

Operator: SW

Sample : 05080545-15 \$BNEXT/TICW 950ML/1ML ASPB

Inst : GCMS BNA

Misc : QBSV2082305A

Multiplr: 1.05

MS Integration Params: LSCINT.e

Quant Method : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)

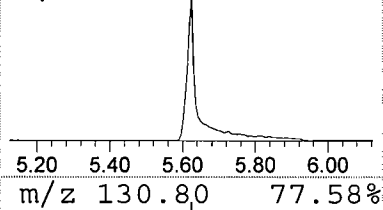
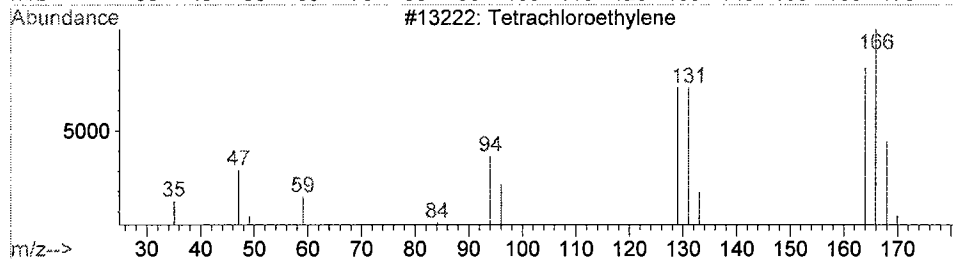
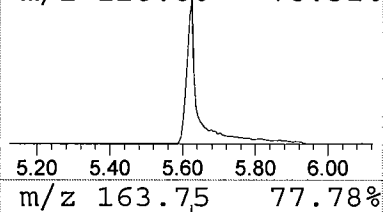
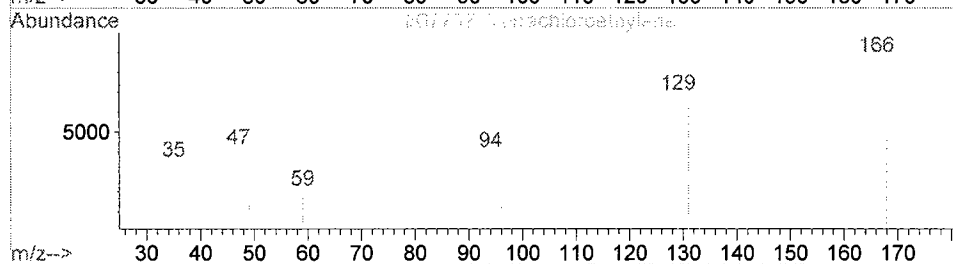
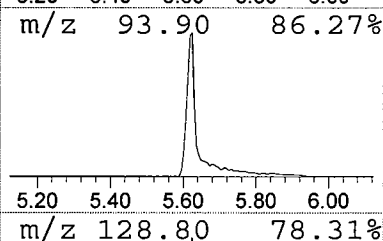
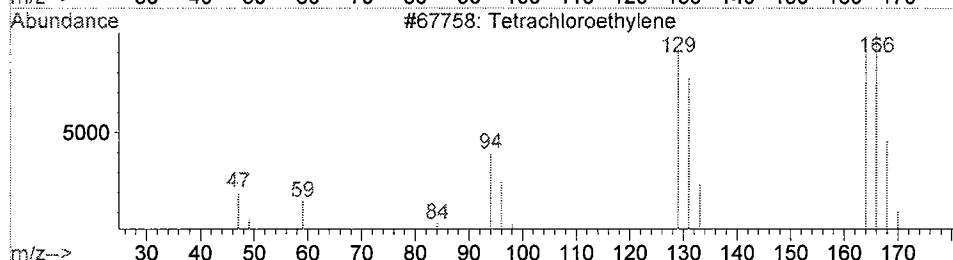
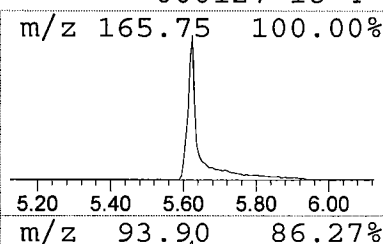
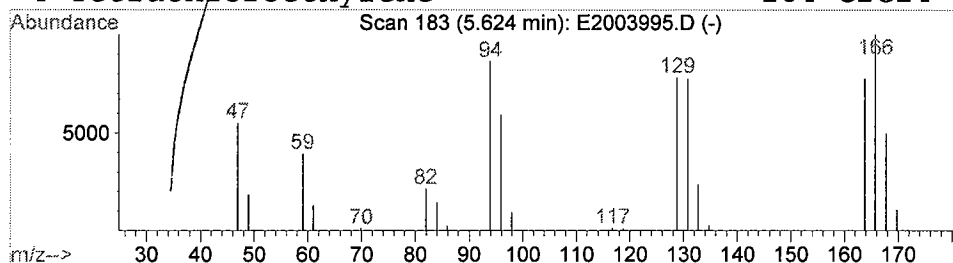
Title : GC MS BNA 2 Semi Volatiles Calibration

Library : C:\DATABASE\NBS75K.L

Peak Number 1 Tetrachloroethylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.62	328.57 ug/mL	83519500	1,4-Dichlorobenzene-d4	8.00

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetrachloroethylene	164	C2Cl4	000127-18-4	95
2			Tetrachloroethylene	164	C2Cl4	000127-18-4	94
3			Tetrachloroethylene	164	C2Cl4	000127-18-4	93
4			Tetrachloroethylene	164	C2Cl4	000127-18-4	81



Tentatively Identified Compound (LSC) summary

Operator ID: SW Date Acquired: 23 Aug 2005 9:19 pm
Data File: C:\HPCHEM\1\DATA\E2003995.D
Name: 05080545-15 \$BNEXT/TICW 950ML/1ML ASPB
Misc: QBSV2082305A
Method: C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)
Title: GC MS BNA 2 Semi Volatiles Calibration
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Tetrachloroethylene	5.62	328.6	ug/mL	83519500	ISTD01	8.00	10676100	40.0
2-Hexyne, 6-bromo-	14.05	5.2	ug/mL	1970750	ISTD04	14.16	15972600	40.0
Cyclohexanone, 2-cyc	14.45	4.3	ug/mL	1645720	ISTD04	14.16	15972600	40.0
Spiro[1,3-dioxolane-	14.52	4.9	ug/mL	1845790	ISTD04	14.16	15972600	40.0
2-Butynedioic acid,	14.89	7.4	ug/mL	2830690	ISTD04	14.16	15972600	40.0
5,10-Pentadecadienal	15.25	4.6	ug/mL	1736230	ISTD04	14.16	15972600	40.0
2-Pyrazoline, 1-ally	15.34	4.3	ug/mL	1646960	ISTD04	14.16	15972600	40.0
Pyrrolo[1,2-b][1,2,4	15.41	5.0	ug/mL	1916890	ISTD04	14.16	15972600	40.0
Cyclohexanone, 2-met	15.64	5.5	ug/mL	2108300	ISTD04	14.16	15972600	40.0
2-Butenenitrile	16.18	4.8	ug/mL	1885860	ISTD05	17.99	16607800	40.0
Imidazole-4-carboxam	17.78	4.4	ug/mL	1753900	ISTD05	17.99	16607800	40.0
1,3-Cyclobutanedicar	17.90	4.5	ug/mL	1778970	ISTD05	17.99	16607800	40.0
Octanoyl chloride	18.11	6.3	ug/mL	2504550	ISTD05	17.99	16607800	40.0
5-Hexen-1-one, 1-(1H	18.21	9.2	ug/mL	3633350	ISTD05	17.99	16607800	40.0
Cedrol	18.69	5.5	ug/mL	2183000	ISTD05	17.99	16607800	40.0
2,8-Decadiyne	18.77	4.7	ug/mL	1842980	ISTD05	17.99	16607800	40.0
Allylphenyl sulfide	18.89	5.3	ug/mL	2100670	ISTD05	17.99	16607800	40.0
4-Hexenoic acid, 3-m	20.33	4.9	ug/mL	1934950	ISTD06	20.02	16725000	40.0

CyE2003995.D BNA2M24.M Wed Aug 24 11:07:11 2005

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 1971

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Form 1
SEMIVOLATILE Organics Analysis Data Sheet- EPA 8270

Client Sample ID

Equipment Blank

Sample Amount:	950 ml	Date Collected:	8/15/05	Sample Type:	WATER
Matrix:	WATER	Date Received:	8/17/05		
Dilution Factor	1.00	Date Extracted:	08/22/05	SDG:	05080545
Conc. Extract Vol.:	1000 ul	Date Analyzed:	08/25/05	Lab ID:	05080545-16
Injection Volume:	1.0 ul	Level:	LOW	Lab File ID:	E2004057.D
GPC Cleanup:	N				

CONCENTRATION
UNITS: **ug/L**

Client Sample ID	Lab Sample ID	Compound	Results/Qualifier
Equipment Blank	05080545-16	Acenaphthene	10 U
Equipment Blank	05080545-16	Acenaphthylene	10 U
Equipment Blank	05080545-16	Anthracene	10 U
Equipment Blank	05080545-16	Benzo(a)anthracene	10 U
Equipment Blank	05080545-16	Benzo(b)fluoranthene	10 U
Equipment Blank	05080545-16	Benzo(k)fluoranthene	10 U
Equipment Blank	05080545-16	Benzo(g,h,i)perylene	10 U
Equipment Blank	05080545-16	Benzo(a)pyrene	10 U
Equipment Blank	05080545-16	Bis(2-chloroethoxy)methane	10 U
Equipment Blank	05080545-16	Bis(2-chloroethyl)ether	10 U
Equipment Blank	05080545-16	Bis(2-chloroisopropyl)ether	10 U
Equipment Blank	05080545-16	Bis(2-ethylhexyl)phthalate	10 U
Equipment Blank	05080545-16	4-Bromophenyl phenyl ether	10 U
Equipment Blank	05080545-16	Butyl benzyl phthalate	10 U
Equipment Blank	05080545-16	4-Chloroaniline	10 U
Equipment Blank	05080545-16	2-Chloronaphthalene	10 U
Equipment Blank	05080545-16	4-Chlorophenyl phenyl ether	10 U
Equipment Blank	05080545-16	Chrysene	10 U
Equipment Blank	05080545-16	Dibenzo(a,h)anthracene	10 U
Equipment Blank	05080545-16	Dibenzofuran	10 U
Equipment Blank	05080545-16	Di-n-butylphthalate	10 U
Equipment Blank	05080545-16	1,3-Dichlorobenzene	10 U
Equipment Blank	05080545-16	1,4-Dichlorobenzene	10 U
Equipment Blank	05080545-16	1,2-Dichlorobenzene	10 U
Equipment Blank	05080545-16	3,3'-Dichlorobenzidine	10 U
Equipment Blank	05080545-16	Diethylphthalate	10 U
Equipment Blank	05080545-16	Dimethylphthalate	10 U
Equipment Blank	05080545-16	2,4-Dinitrotoluene	10 U
Equipment Blank	05080545-16	2,6-Dinitrotoluene	10 U
Equipment Blank	05080545-16	Di-n-octylphthalate	10 U
Equipment Blank	05080545-16	Fluoranthene	10 U
Equipment Blank	05080545-16	Fluorene	10 U
Equipment Blank	05080545-16	Hexachlorobenzene	10 U

Data File : C:\HPCHEM\1\DATA\E2004057.D

Vial: 2

Acq On : 25 Aug 2005 3:29 pm

Operator: SW

Sample : 05080545-16 \$BNEXT/TICW 950ML/1ML ASPB

Inst : GCMS BNA

Misc : QBSV2082505A

Multiplr: 1.05

MS Integration Params: events.e

Quant Time: Oct 3 13:57 19105

Quant Results File: BNA2M24.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)

Title : GC MS BNA 2 Semi Volatiles Calibration

Last Update : Thu Jul 28 14:39:42 2005

Response via : Initial Calibration

DataAcq Meth : BNA2M24

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	1209357	40.00	ug/mL	-0.34
21) Naphthalene-d8	9.57	136	4336820	40.00	ug/mL	-0.35
35) Acenaphthene-d10	12.00	164	2187495	40.00	ug/mL	-0.36
57) Phenanthrene-d10	14.10	188	3589967	40.00	ug/mL	-0.36
75) Chrysene-d12	17.92	240	3673581	40.00	ug/mL	-0.36
84) Perylene-d12	19.94	264	3992859	40.00	ug/mL	-0.44

System Monitoring Compounds

4) 2-Fluorophenol	0.00	112	0	0.00	ug/mL	
Spiked Amount	200.000	Range	15 - 87	Recovery	=	0.00%#
5) Phenol-d5	7.94	99	41557	0.91	ug/mL	0.02
Spiked Amount	200.000	Range	10 - 100	Recovery	=	0.46%#
19) Nitrobenzene-d5	8.68	82	2365248	47.98	ug/mL	-0.34
Spiked Amount	100.000	Range	26 - 120	Recovery	=	47.98%
38) 2-Fluorobiphenyl	11.04	172	3611126	50.75	ug/mL	-0.36
Spiked Amount	100.000	Range	29 - 120	Recovery	=	50.75%
59) 2,4,6-Tribromophenol	0.00	330	0	0.00	ug/mL	
Spiked Amount	200.000	Range	35 - 126	Recovery	=	0.00%#
70) Terphenyl-d14	16.40	244	4965624	58.88	ug/mL	-0.35
Spiked Amount	100.000	Range	35 - 127	Recovery	=	58.88%

Target Compounds

Qvalue

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

Data File : C:\HPCHEM\1\DATA\E2004057.D

Vial: 2

Acq On : 25 Aug 2005 3:29 pm

Operator: SW

Sample : 05080545-16 \$BNEXT/TICW 950ML/1ML ASPB

Inst : GCMS BNA

Misc : QBSV2082505A

Multiplr: 1.05

MS Integration Params: events.e

Quant Time: Oct 3 13:57 19105

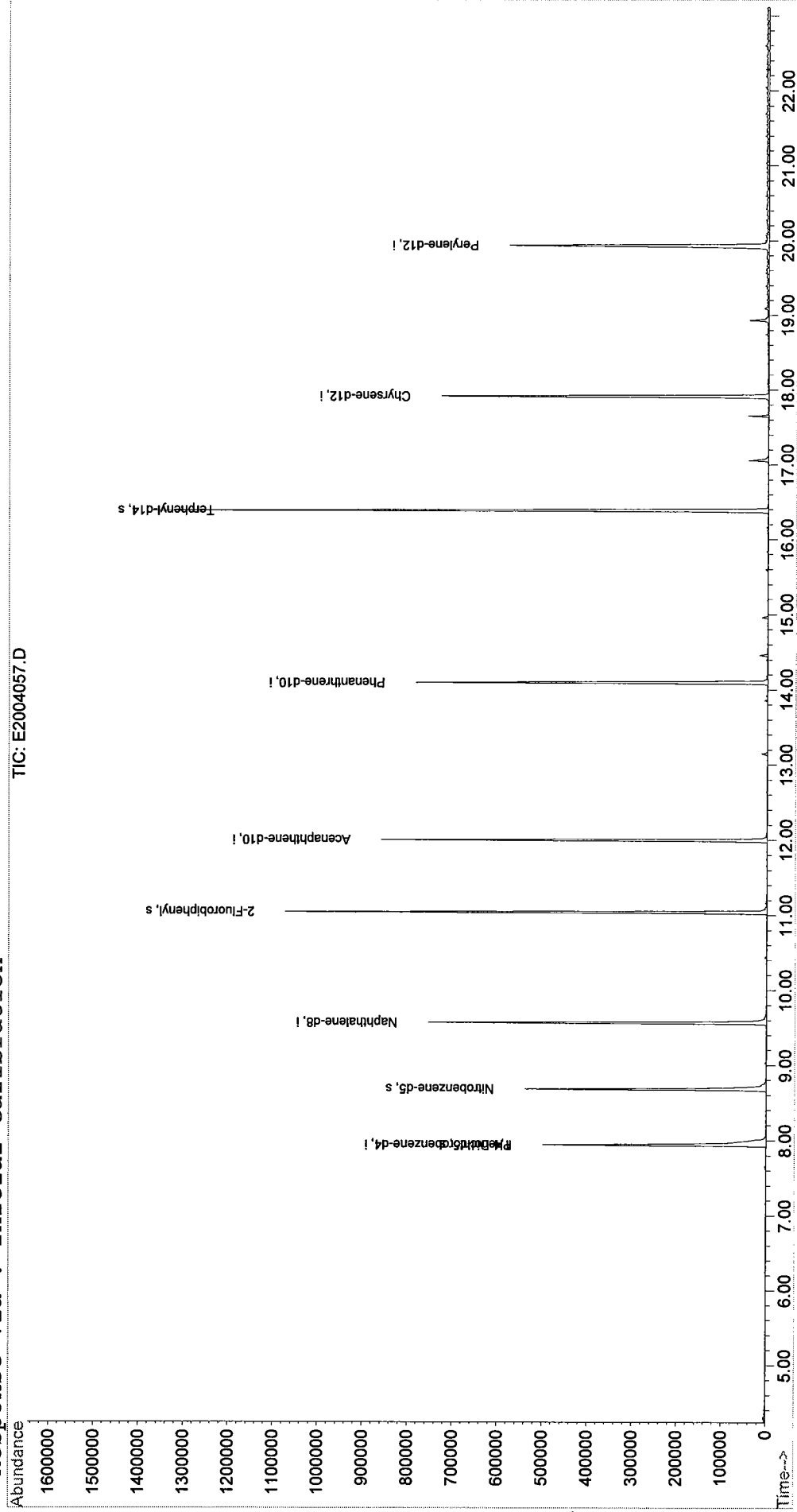
Quant Results File: BNA2M24.RES

Method : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)

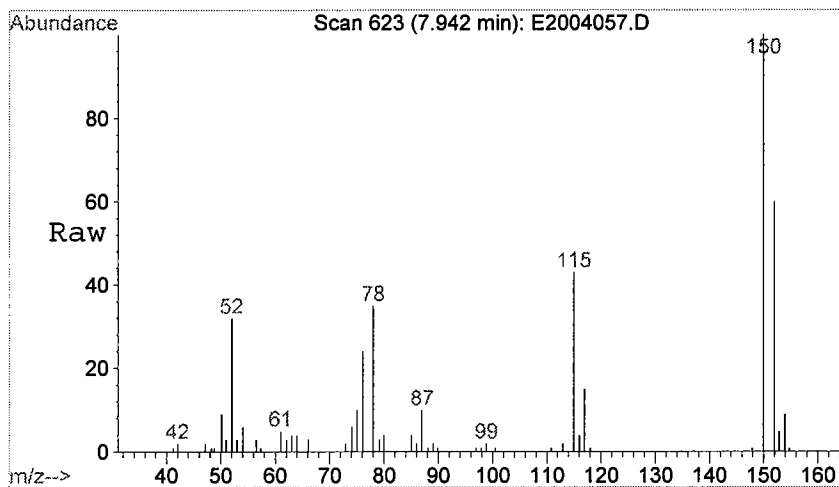
Title : GC MS BNA 2 Semi Volatiles Calibration

Last Update : Thu Jul 28 14:39:42 2005

Response via : Initial Calibration

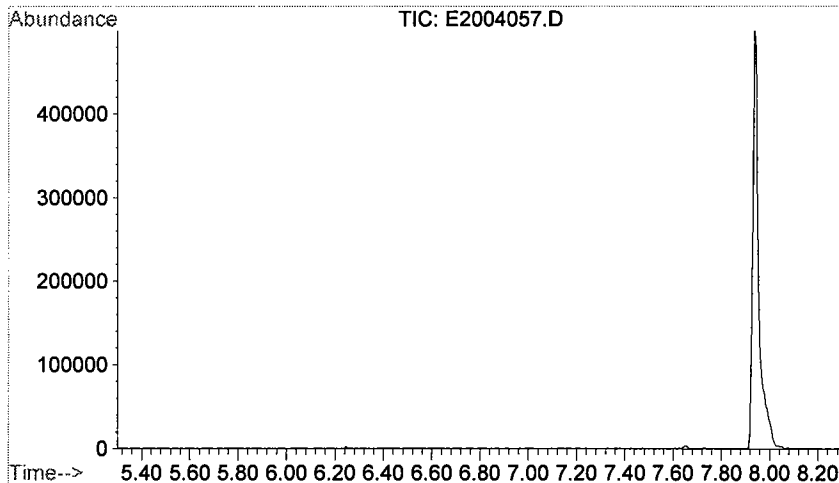
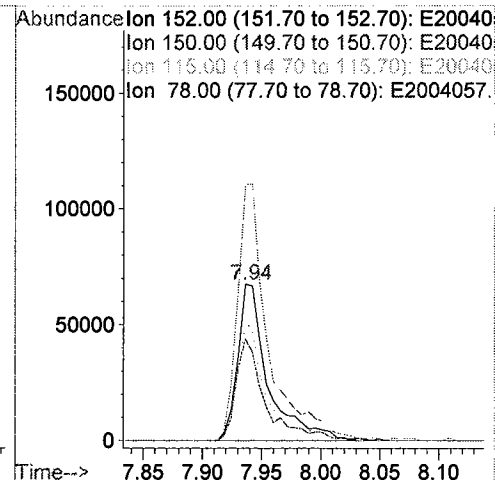
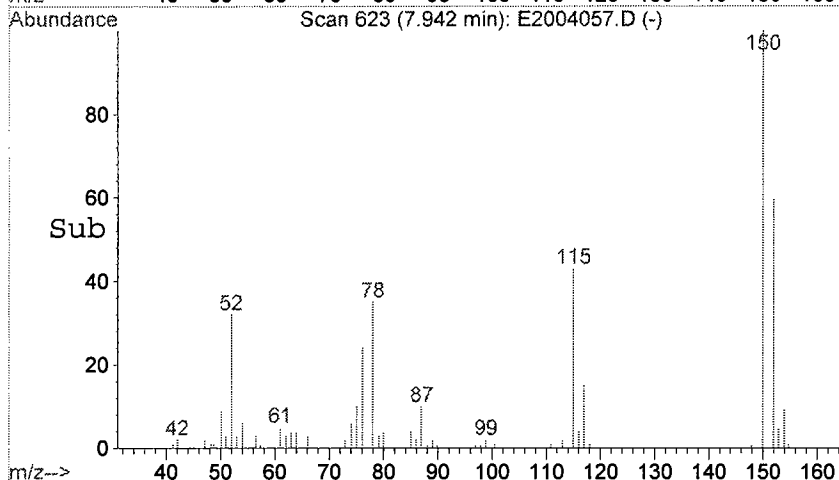


000488



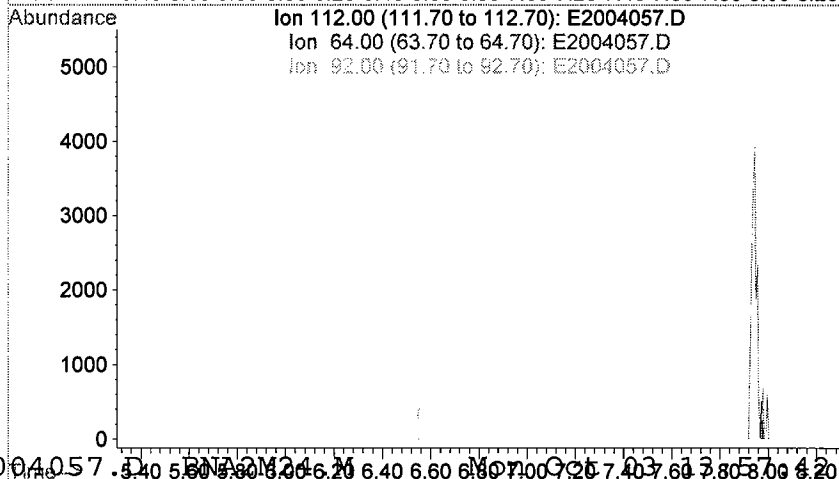
#1
 1,4-Dichlorobenzene-d4
 Concen: 40.00 ug/mL
 RT: 7.94 min Scan# 623
 Delta R.T. -0.34 min
 Lab File: E2004057.D
 Acq: 25 Aug 2005 3:29 pm

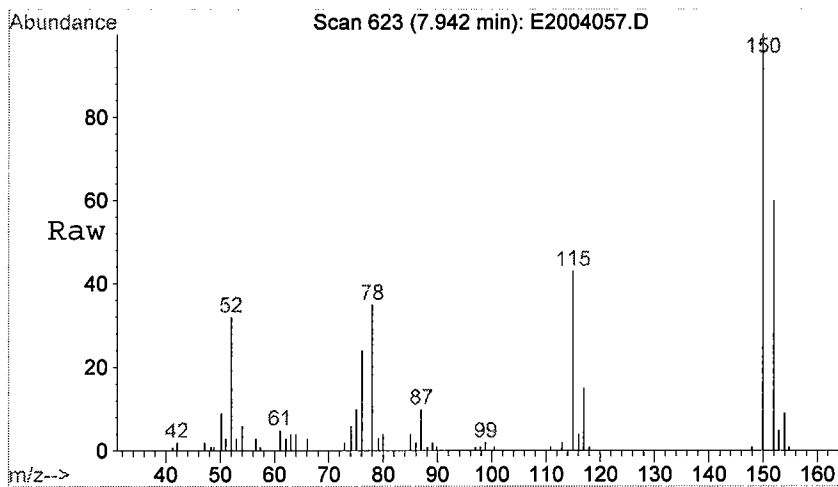
Tgt Ion:152 Resp: 1209357
 Ion Ratio Lower Upper
 152 100
 150 167.5 90.1 270.2
 115 71.5 36.0 107.9
 78 63.1 29.7 89.1



#4
 2-Fluorophenol
 Concen: 0.00 ug/mL
 Expected RT: 6.80 min
 Lab File: E2004057.D
 Acq: 25 Aug 2005 3:29 pm

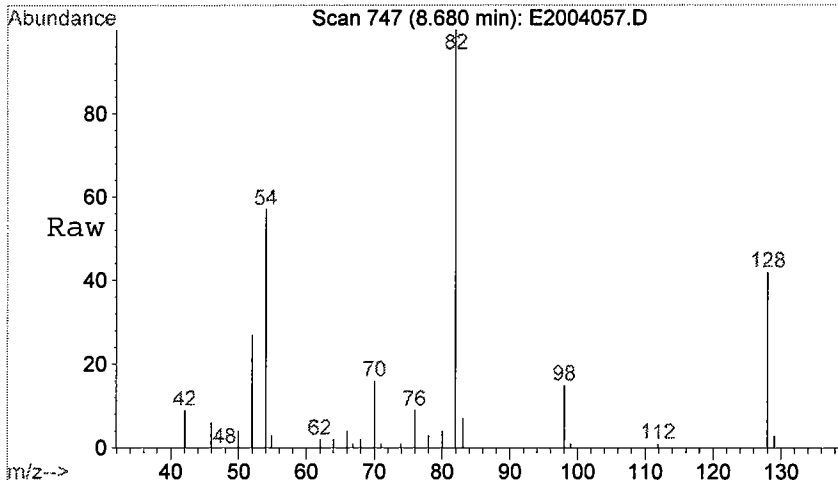
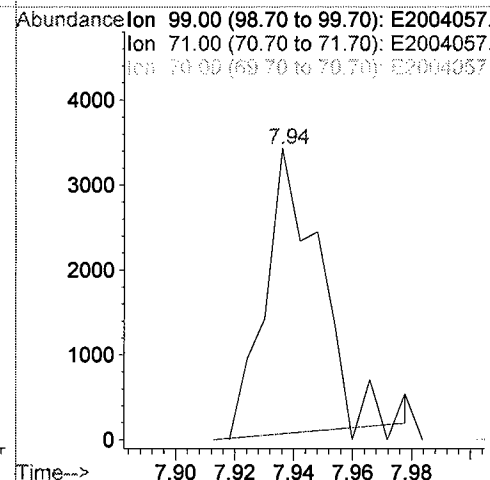
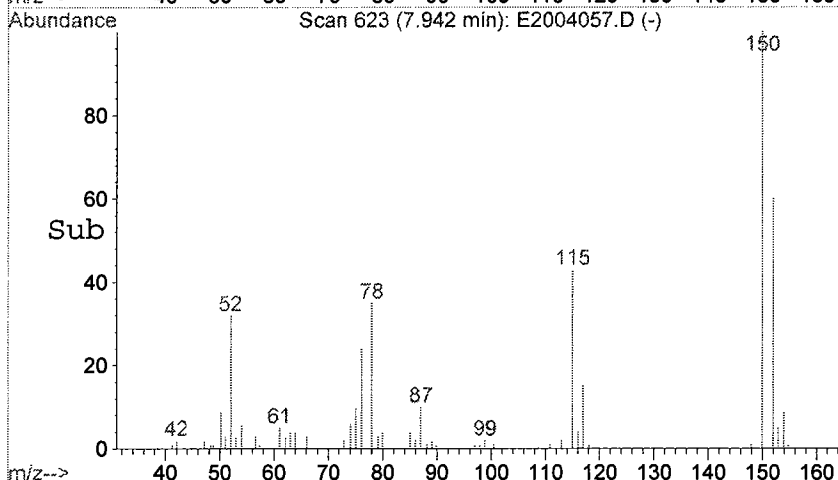
Tgt Ion: 112
 Sig Exp Ratio
 112 100
 64 43.8
 92 19.1





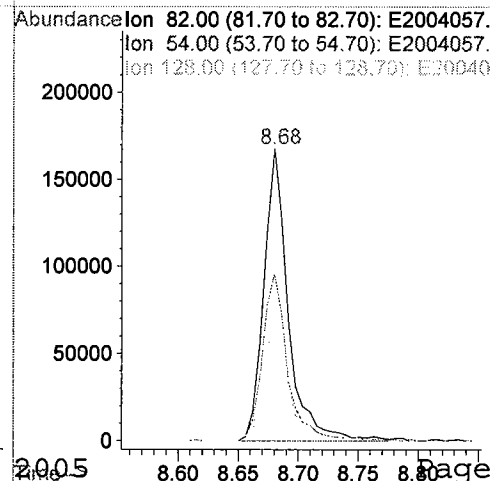
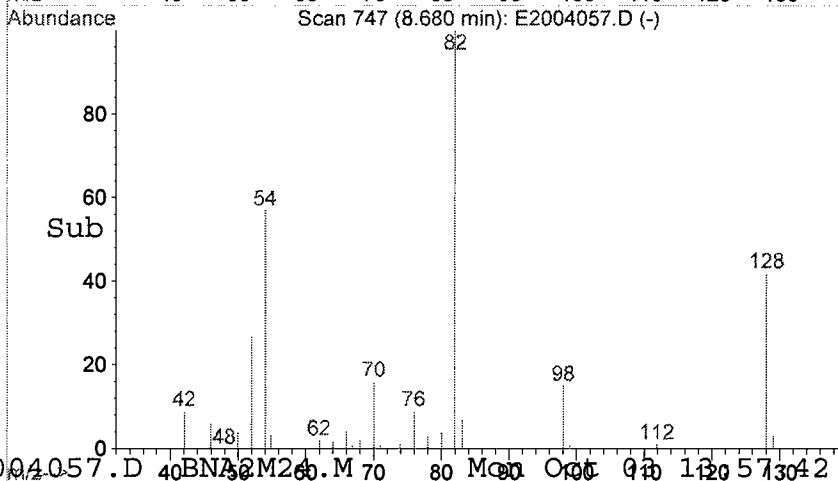
#5
 Phenol-d5
 Concen: 0.91 ug/mL
 RT: 7.94 min Scan# 623
 Delta R.T. 0.02 min
 Lab File: E2004057.D
 Acq: 25 Aug 2005 3:29 pm

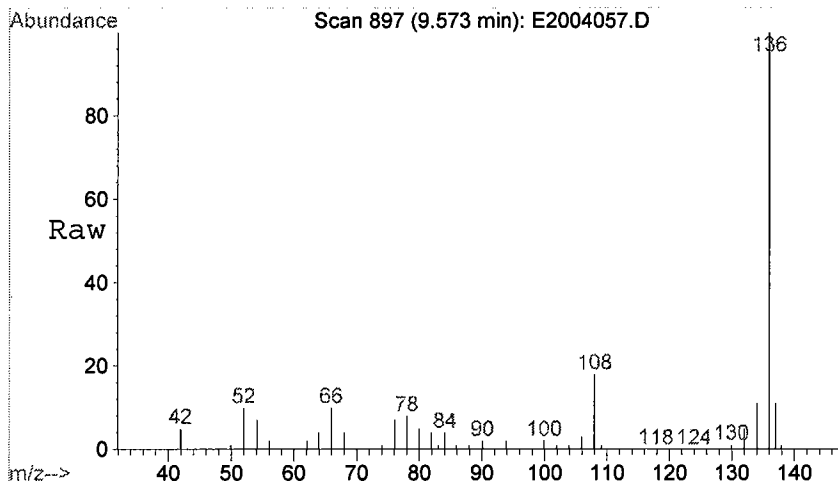
Tgt Ion: 99 Resp: 41557
 Ion Ratio Lower Upper
 99 100
 71 0.0 47.4 71.0#
 70 0.0 15.0 22.6#



#19
 Nitrobenzene-d5
 Concen: 47.98 ug/mL
 RT: 8.68 min Scan# 747
 Delta R.T. -0.34 min
 Lab File: E2004057.D
 Acq: 25 Aug 2005 3:29 pm

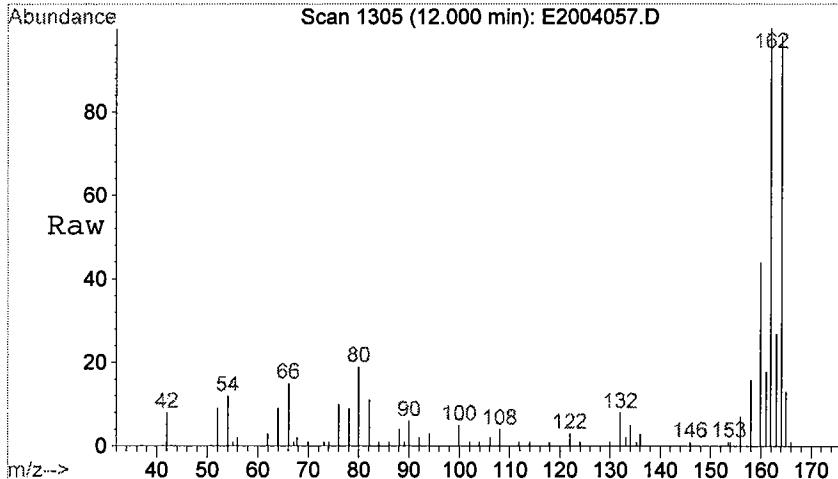
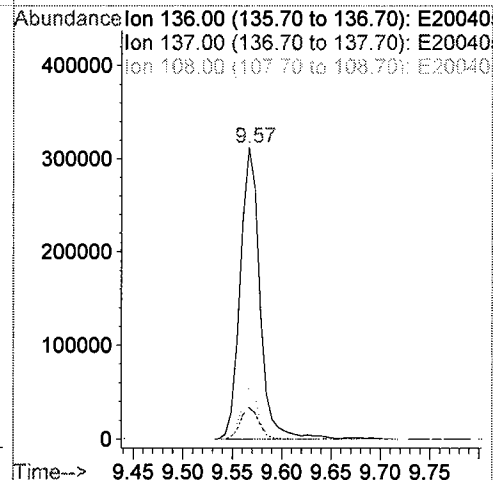
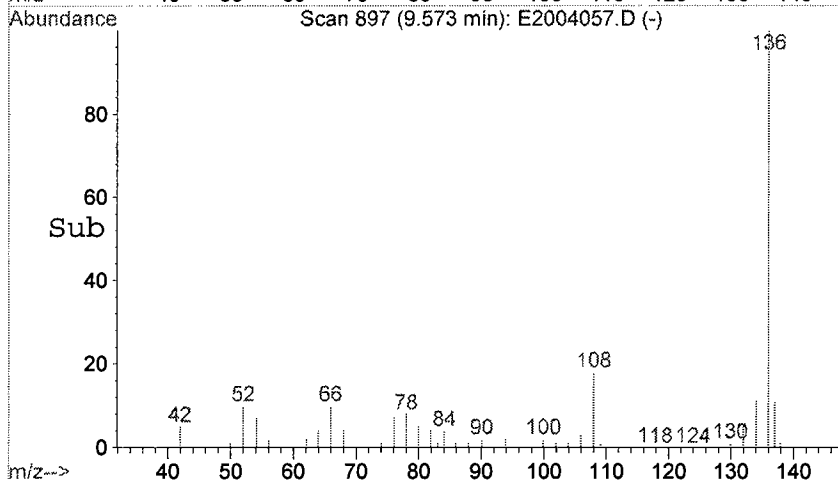
Tgt Ion: 82 Resp: 2365248
 Ion Ratio Lower Upper
 82 100
 54 59.1 46.8 70.2
 128 40.8 34.6 52.0





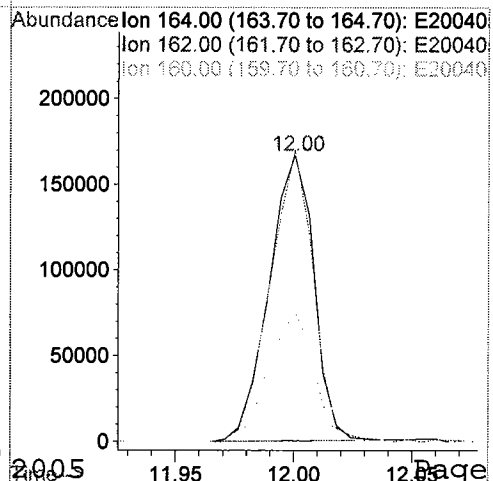
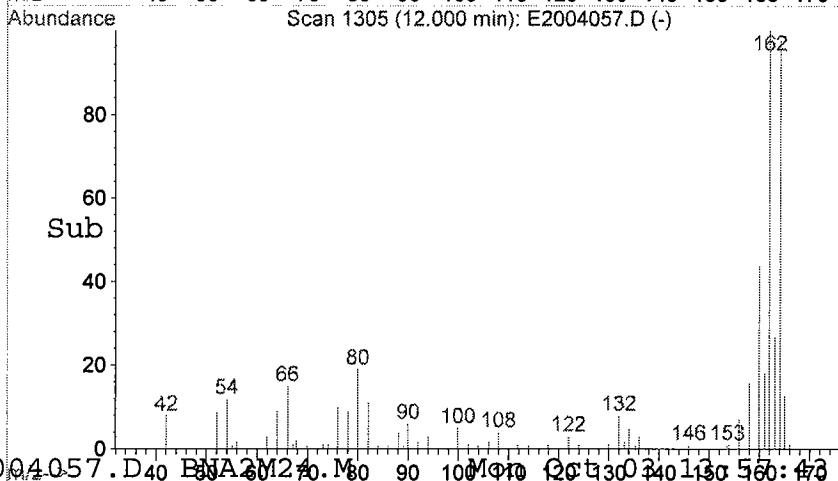
#21
Naphthalene-d8
Concen: 40.00 ug/mL
RT: 9.57 min Scan# 897
Delta R.T. -0.35 min
Lab File: E2004057.D
Acq: 25 Aug 2005 3:29 pm

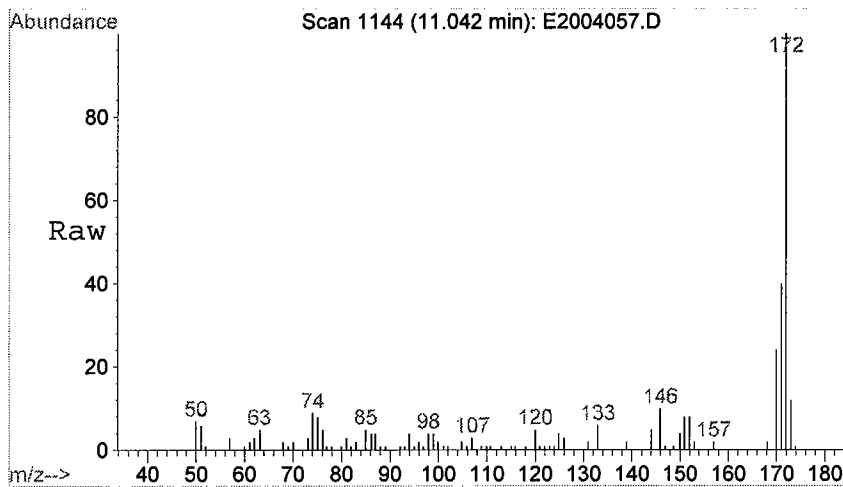
Tgt Ion:136 Resp: 4336820
Ion Ratio Lower Upper
136 100
137 10.3 5.4 16.1
108 15.5 8.3 24.8



#35
Acenaphthene-d10
Concen: 40.00 ug/mL
RT: 12.00 min Scan# 1305
Delta R.T. -0.36 min
Lab File: E2004057.D
Acq: 25 Aug 2005 3:29 pm

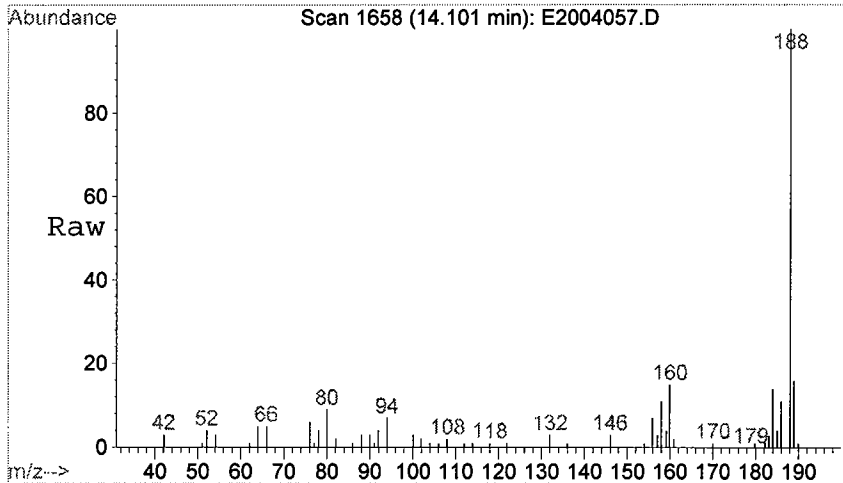
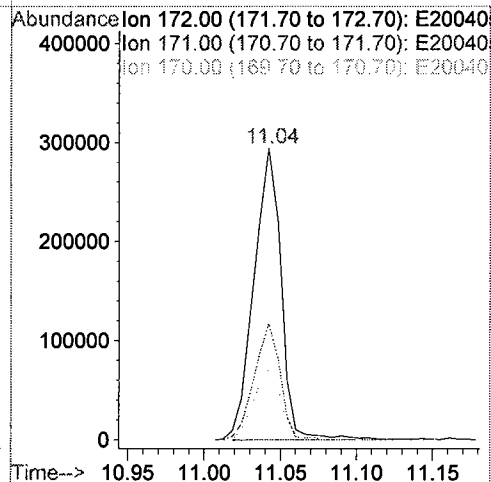
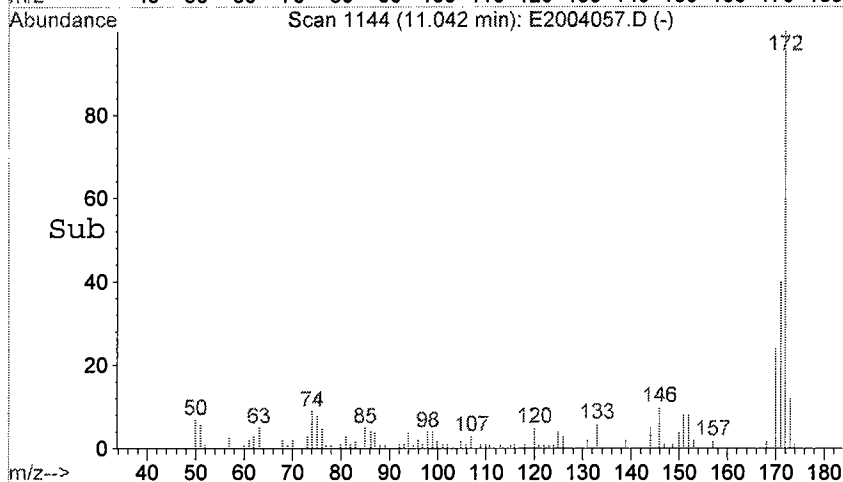
Tgt Ion:164 Resp: 2187495
Ion Ratio Lower Upper
164 100
162 99.5 48.6 145.8
160 46.0 22.0 66.0





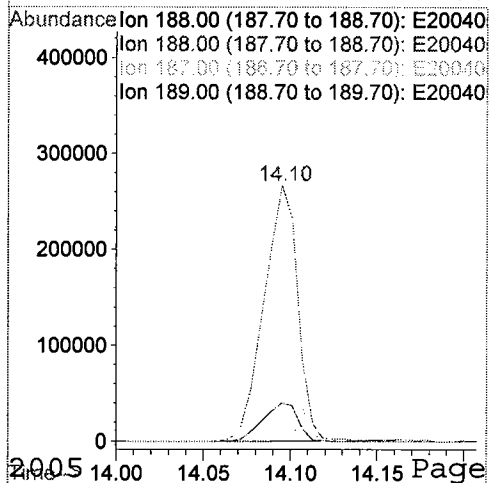
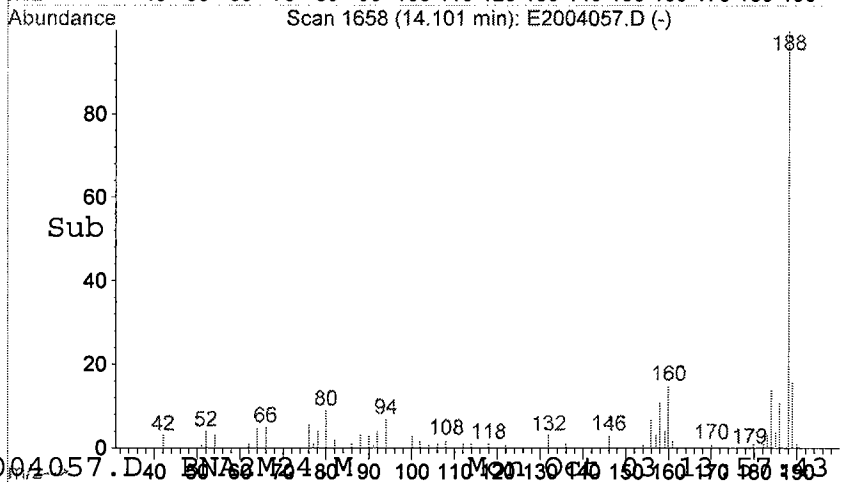
#38
 2-Fluorobiphenyl
 Concen: 50.75 ug/mL
 RT: 11.04 min Scan# 1144
 Delta R.T. -0.36 min
 Lab File: E2004057.D
 Acq: 25 Aug 2005 3:29 pm

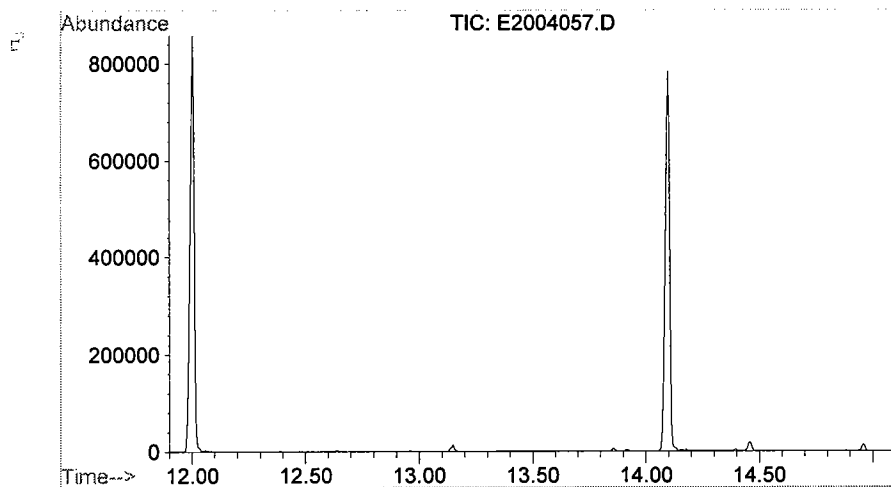
Tgt Ion:172 Resp: 3611126
 Ion Ratio Lower Upper
 172 100
 171 38.1 31.2 46.8
 170 23.9 20.1 30.1



#57
 Phenanthrene-d10
 Concen: 40.00 ug/mL
 RT: 14.10 min Scan# 1658
 Delta R.T. -0.36 min
 Lab File: E2004057.D
 Acq: 25 Aug 2005 3:29 pm

Tgt Ion:188 Resp: 3589967
 Ion Ratio Lower Upper
 188 100
 188 100.0 80.0 120.0
 187 0.0 0.0 0.0
 189 0.0 0.0 0.0





#59

2,4,6-Tribromophenol

Concen: 0.00 ug/mL

Expected RT: 13.50 min

Lab File: E2004057.D

Acq: 25 Aug 2005 3:29 pm

Tgt Ion: 330

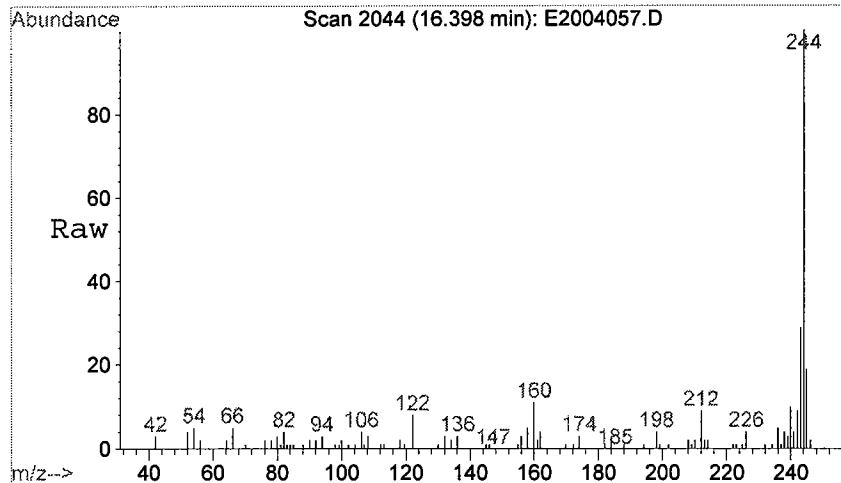
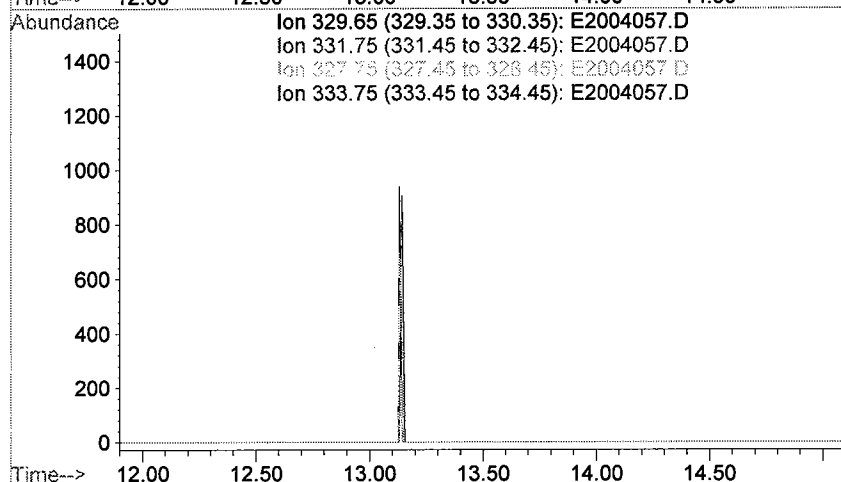
Sig Exp Ratio

330 100

332 98.7

328 34.1

334 31.6



#70

Terphenyl-d14

Concen: 58.88 ug/mL

RT: 16.40 min Scan# 2044

Delta R.T. -0.35 min

Lab File: E2004057.D

Acq: 25 Aug 2005 3:29 pm

Tgt Ion: 244 Resp: 4965624

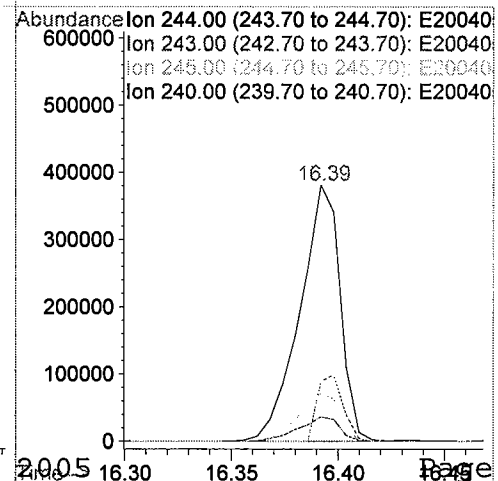
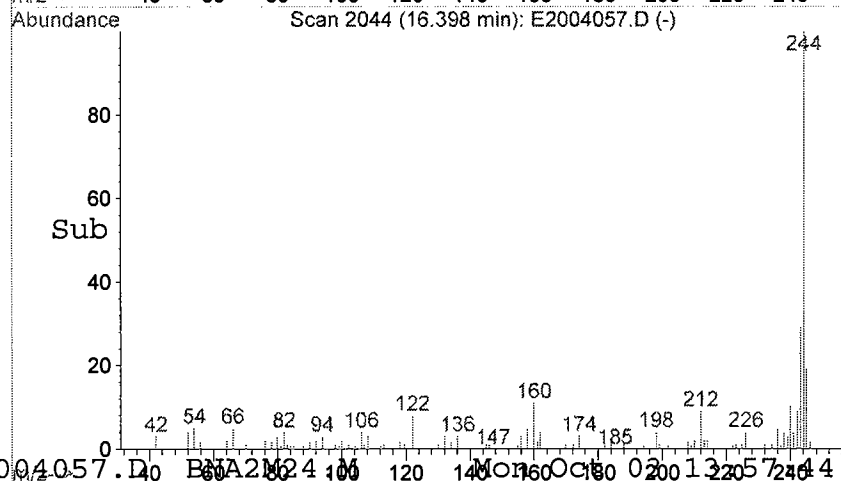
Ion Ratio Lower Upper

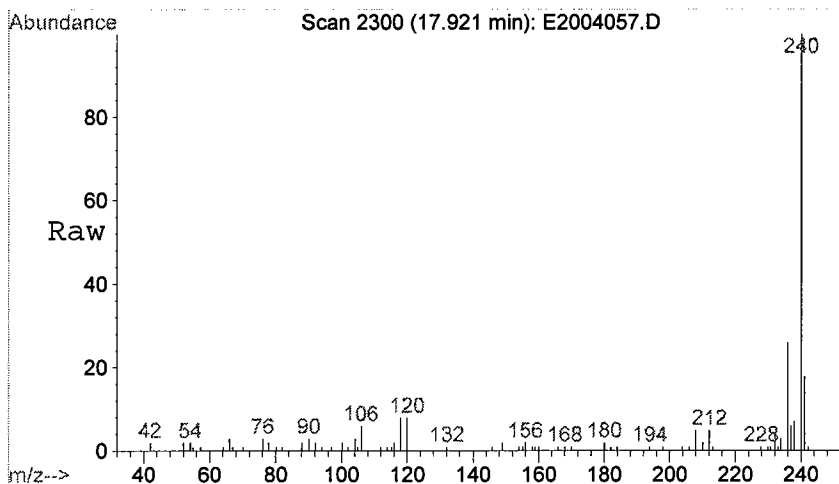
244 100

243 16.8 20.5 30.7#

245 18.9 15.7 23.5

240 9.6 7.7 11.5





#75

Chrysene-d12

Concen: 40.00 ug/mL

RT: 17.92 min Scan# 2300

Delta R.T. -0.36 min

Lab File: E2004057.D

Acq: 25 Aug 2005 3:29 pm

Tgt Ion:240 Resp: 3673581

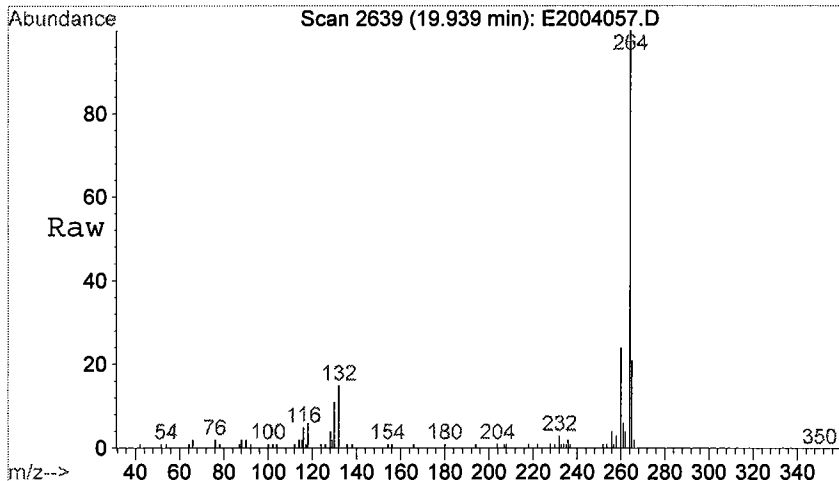
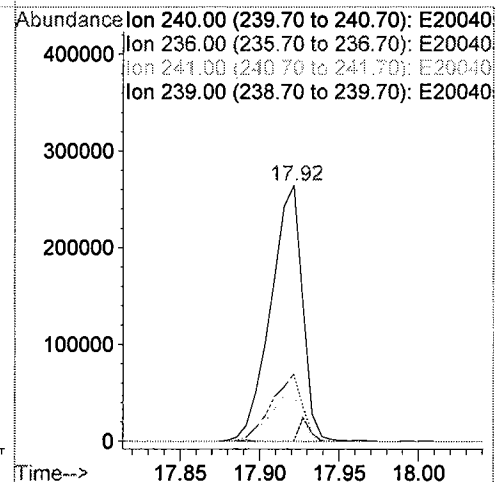
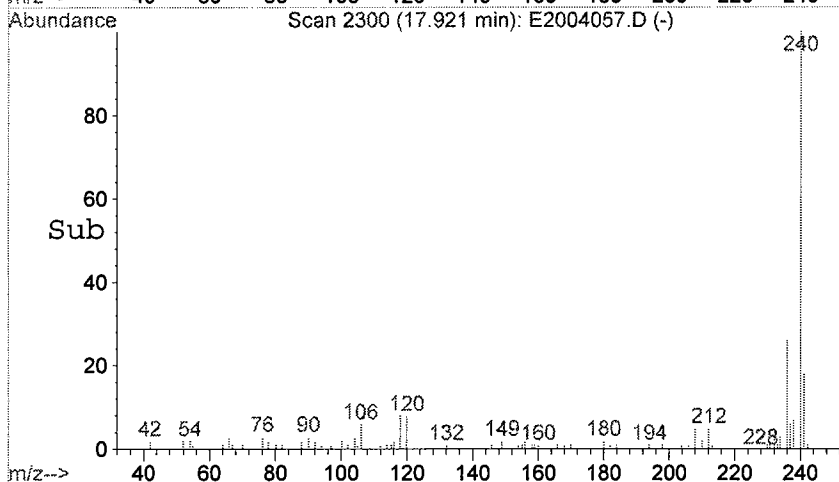
Ion Ratio Lower Upper

240 100

236 25.4 12.2 36.6

241 19.0 9.9 29.6

239 3.2 0.2 0.6#



#84

Perylene-d12

Concen: 40.00 ug/mL

RT: 19.94 min Scan# 2639

Delta R.T. -0.44 min

Lab File: E2004057.D

Acq: 25 Aug 2005 3:29 pm

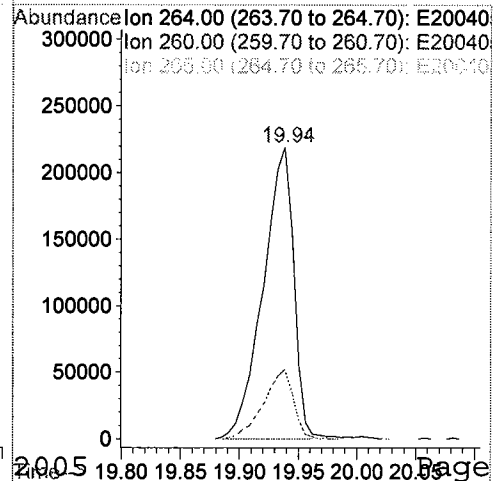
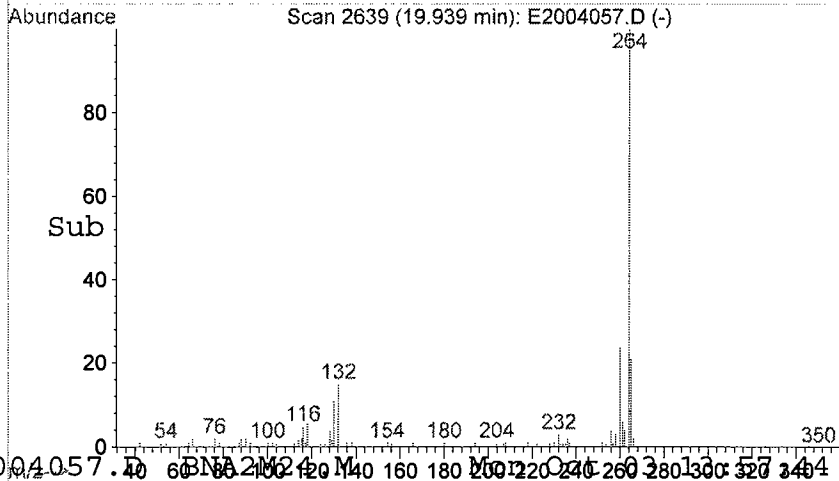
Tgt Ion:264 Resp: 3992859

Ion Ratio Lower Upper

264 100

260 22.9 11.0 32.9

265 21.5 9.8 29.4



Form 1-E
SEMIVOLATILES Tentatively Identified Compounds Data Sheet

Client Sample ID

Equipment Blank

Sample Amount:	950 ML	Date Collected:	8/15/05	Sample Type:	WATER
Matrix:	WATER	Date Received:	8/17/05		
Dilution Factor:	1.00	Date Extracted:	8/22/05	SDG:	05080545
		Date Analyzed:	8/25/05	Lab ID:	05080545-16
		Level:	MEDIUM	Lab File ID:	E2004057.D

CONCENTRATION
UNITS: **ug/L** **DRY**

[illegible]

LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\E2004057.D Vial: 2
 Acq On : 25 Aug 2005 3:29 pm Operator: SW
 Sample : 05080545-16 \$BNEXT/TICW 950ML/1ML ASPB Inst : GCMS BNA
 Misc : QBSV2082505A Multiplr: 1.05
 MS Integration Params: LSCINT.e

Method : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)
 Title : GC MS BNA 2 Semi Volatiles Calibration

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	4.294	4	10	11	BV	3503	24345	0.14%	0.022%
2	4.312	11	13	16	VV	4621	35620	0.20%	0.032%
3	4.342	16	18	19	PV	1973	13812	0.08%	0.012%
4	4.360	19	21	24	VV	1997	24082	0.14%	0.022%
5	4.407	27	29	36	VV	2928	29817	0.17%	0.027%
6	4.455	36	37	47	VV	2359	31657	0.18%	0.028%
7	4.532	47	50	52	PV	2034	18868	0.11%	0.017%
8	4.901	110	112	114	BV	2066	9996	0.06%	0.009%
9	7.656	547	575	579	BB	3584	76528	0.44%	0.069%
10	7.942	616	623	644	BV	495802	8761801	49.90%	7.859%
11	8.680	741	747	761	BV	512622	7573889	43.14%	6.793%
12	8.769	761	762	767	VV	4734	65744	0.37%	0.059%
13	8.817	767	770	776	VV	2027	26979	0.15%	0.024%
14	9.037	801	807	810	BB	3495	34164	0.19%	0.031%
15	9.573	888	897	912	BV	721280	10121668	57.65%	9.079%
16	9.680	912	915	919	VV	2221	39636	0.23%	0.036%
17	10.441	1037	1043	1046	BV	4654	44248	0.25%	0.040%
18	11.042	1135	1144	1161	BV	1003628	12860525	73.25%	11.535%
19	11.161	1161	1164	1171	VV	3718	54686	0.31%	0.049%
20	11.661	1243	1248	1251	BV	2208	19911	0.11%	0.018%
21	11.750	1258	1263	1265	BV	1738	16351	0.09%	0.015%
22	12.000	1297	1305	1320	BV	830421	10875718	61.95%	9.755%
23	12.102	1320	1322	1327	VV	1729	24627	0.14%	0.022%
24	12.643	1411	1413	1415	VV	2987	21734	0.12%	0.019%
25	12.958	1464	1466	1469	PB	1711	13084	0.07%	0.012%
26	13.149	1493	1498	1505	BV	12678	145208	0.83%	0.130%
27	13.857	1615	1617	1623	PV 2	6059	53797	0.31%	0.048%
28	13.922	1623	1628	1631	PV	3215	36500	0.21%	0.033%
29	14.101	1650	1658	1666	PV	755053	10624825	60.52%	9.530%
30	14.160	1666	1668	1676	VV 2	2861	72274	0.41%	0.065%
31	14.398	1702	1708	1711	PV	3694	37709	0.21%	0.034%
32	14.458	1711	1718	1722	VV	18355	229066	1.30%	0.205%
33	14.958	1795	1802	1806	PB	12936	150869	0.86%	0.135%
34	15.595	1906	1909	1915	VV	5300	60108	0.34%	0.054%

000496

35	15.839	1942	1950	1955	BV	3164	29887	0.17%	0.027%
36	16.035	1979	1983	1988	BV	1855	25328	0.14%	0.023%
37	16.088	1988	1992	1994	PV	2223	11638	0.07%	0.010%
38	16.118	1994	1997	2002	PV	2828	38063	0.22%	0.034%
39	16.166	2002	2005	2009	VV	3664	42421	0.24%	0.038%
40	16.398	2024	2044	2054	PV	1312063	17557018	100.00%	15.748%
41	17.058	2149	2155	2165	BV 3	41816	599496	3.41%	0.538%
42	17.511	2227	2231	2234	PV 3	1908	13136	0.07%	0.012%
43	17.653	2249	2255	2262	PV	43603	415613	2.37%	0.373%
44	17.707	2262	2264	2267	VV	2165	17472	0.10%	0.016%
45	17.767	2272	2274	2278	VV	2194	17595	0.10%	0.016%
46	17.921	2285	2300	2311	PV	740521	10539739	60.03%	9.454%
47	17.999	2311	2313	2315	VV	2433	15653	0.09%	0.014%
48	18.046	2318	2321	2323	VV	2423	26532	0.15%	0.024%
49	18.070	2323	2325	2326	VV	2164	14888	0.08%	0.013%
50	18.088	2326	2328	2330	VV	3371	25750	0.15%	0.023%
51	18.124	2330	2334	2335	VV	2720	30813	0.18%	0.028%
52	18.141	2335	2337	2340	VV	2193	30349	0.17%	0.027%
53	18.266	2353	2358	2364	VV	2104	38151	0.22%	0.034%
54	18.314	2364	2366	2371	VV	1749	24419	0.14%	0.022%
55	18.356	2371	2373	2376	VV	2917	20641	0.12%	0.019%
56	18.409	2376	2382	2385	PV	2207	38885	0.22%	0.035%
57	18.481	2392	2394	2400	VV	3334	48231	0.27%	0.043%
58	18.540	2400	2404	2407	VV	2879	45417	0.26%	0.041%
59	18.570	2407	2409	2411	VV	2697	22339	0.13%	0.020%
60	18.588	2411	2412	2417	VV	2412	33865	0.19%	0.030%
61	18.635	2417	2420	2436	VV	3115	131541	0.75%	0.118%
62	18.742	2436	2438	2442	VV	6967	64440	0.37%	0.058%
63	18.778	2442	2444	2447	VV	3685	35350	0.20%	0.032%
64	18.814	2447	2450	2453	VV	2728	47626	0.27%	0.043%
65	18.879	2457	2461	2464	VV	3119	56395	0.32%	0.051%
66	18.933	2464	2470	2481	VV 2	42514	689387	3.93%	0.618%
67	19.004	2481	2482	2484	VV	3209	24899	0.14%	0.022%
68	19.028	2484	2486	2493	VV	3613	69927	0.40%	0.063%
69	19.094	2493	2497	2501	VV	9632	152865	0.87%	0.137%
70	19.135	2501	2504	2508	VV	4504	73132	0.42%	0.066%
71	19.171	2508	2510	2515	VV	4870	63165	0.36%	0.057%
72	19.207	2515	2516	2520	VV	4946	54917	0.31%	0.049%
73	19.248	2520	2523	2525	VV	3706	46339	0.26%	0.042%
74	19.290	2525	2530	2532	VV 2	4767	79456	0.45%	0.071%
75	19.326	2532	2536	2537	VV	4802	69211	0.39%	0.062%
76	19.367	2537	2543	2545	VV 2	4643	100884	0.57%	0.090%
77	19.391	2545	2547	2552	VV 3	7381	110381	0.63%	0.099%
78	19.433	2552	2554	2556	VV 3	4471	50581	0.29%	0.045%
79	19.516	2560	2568	2572	VV 3	4697	130526	0.74%	0.117%
80	19.570	2574	2577	2580	VV 2	7455	103493	0.59%	0.093%

81	19.617	2580	2585	2590	VV 2	6768	156700	0.89%	0.141%
82	19.659	2590	2592	2599	VV	5700	107170	0.61%	0.096%
83	19.724	2599	2603	2605	VV	3918	61918	0.35%	0.056%
84	19.760	2605	2609	2613	VV 2	4849	95904	0.55%	0.086%
85	19.796	2613	2615	2624	VV 2	5049	133353	0.76%	0.120%
86	19.939	2624	2639	2652	VV	561645	10949506	62.37%	9.821%
87	20.052	2652	2658	2659	VV	6612	128291	0.73%	0.115%
88	20.069	2659	2661	2664	VV	7669	90557	0.52%	0.081%
89	20.099	2664	2666	2670	VV	5657	65933	0.38%	0.059%
90	20.171	2675	2678	2680	VV	4268	49083	0.28%	0.044%
91	20.194	2680	2682	2685	VV	3451	47668	0.27%	0.043%
92	20.242	2685	2690	2699	VV 4	5486	205607	1.17%	0.184%
93	20.307	2699	2701	2705	VV	4000	63001	0.36%	0.057%
94	20.349	2705	2708	2710	VV 2	5420	69173	0.39%	0.062%
95	20.367	2710	2711	2715	VV	4535	66273	0.38%	0.059%
96	20.426	2715	2721	2729	VV 2	6708	204343	1.16%	0.183%
97	20.480	2729	2730	2746	VV	4794	216796	1.23%	0.194%
98	20.599	2746	2750	2752	VV 2	7782	89514	0.51%	0.080%
99	20.629	2752	2755	2756	VV 2	6190	69149	0.39%	0.062%
100	20.653	2756	2759	2763	VV 2	5657	94200	0.54%	0.084%
101	20.736	2766	2773	2777	VV	5142	117747	0.67%	0.106%
102	20.772	2777	2779	2780	VV	5416	58940	0.34%	0.053%
103	20.789	2780	2782	2784	VV	4567	40816	0.23%	0.037%
104	20.843	2784	2791	2792	VV 2	4135	82538	0.47%	0.074%
105	20.861	2792	2794	2805	VV 2	4588	166171	0.95%	0.149%
106	20.962	2808	2811	2815	VV	5333	102171	0.58%	0.092%
107	20.998	2815	2817	2818	VV	5311	41389	0.24%	0.037%
108	21.033	2818	2823	2826	VV 2	6130	117165	0.67%	0.105%
109	21.063	2826	2828	2830	VV	4066	44458	0.25%	0.040%
110	21.111	2830	2836	2842	VV	4533	134989	0.77%	0.121%
111	21.158	2842	2844	2848	PV	4920	68062	0.39%	0.061%
112	21.194	2848	2850	2856	VV	5620	130193	0.74%	0.117%
113	21.242	2856	2858	2859	VV	4410	37062	0.21%	0.033%
114	21.260	2859	2861	2863	VV	3730	34734	0.20%	0.031%
115	21.295	2863	2867	2868	VV	5046	62312	0.35%	0.056%
116	21.313	2868	2870	2874	VV	3579	62608	0.36%	0.056%
117	21.349	2874	2876	2878	VV	4048	32180	0.18%	0.029%
118	21.396	2878	2884	2889	VV 3	7195	155008	0.88%	0.139%
119	21.432	2889	2890	2891	VV 3	2741	23206	0.13%	0.021%
120	21.468	2891	2896	2898	VV 2	5044	79075	0.45%	0.071%
121	21.486	2898	2899	2903	VV	6208	87029	0.50%	0.078%
122	21.521	2903	2905	2909	VV 2	3340	56082	0.32%	0.050%
123	21.551	2909	2910	2914	VV	5303	57514	0.33%	0.052%
124	21.587	2914	2916	2919	VV	5512	69430	0.40%	0.062%
125	21.617	2919	2921	2923	VV	4334	49013	0.28%	0.044%
126	21.658	2923	2928	2932	VV 3	6421	115404	0.66%	0.104%
127	21.694	2932	2934	2943	VV 3	7092	175140	1.00%	0.157%

000498

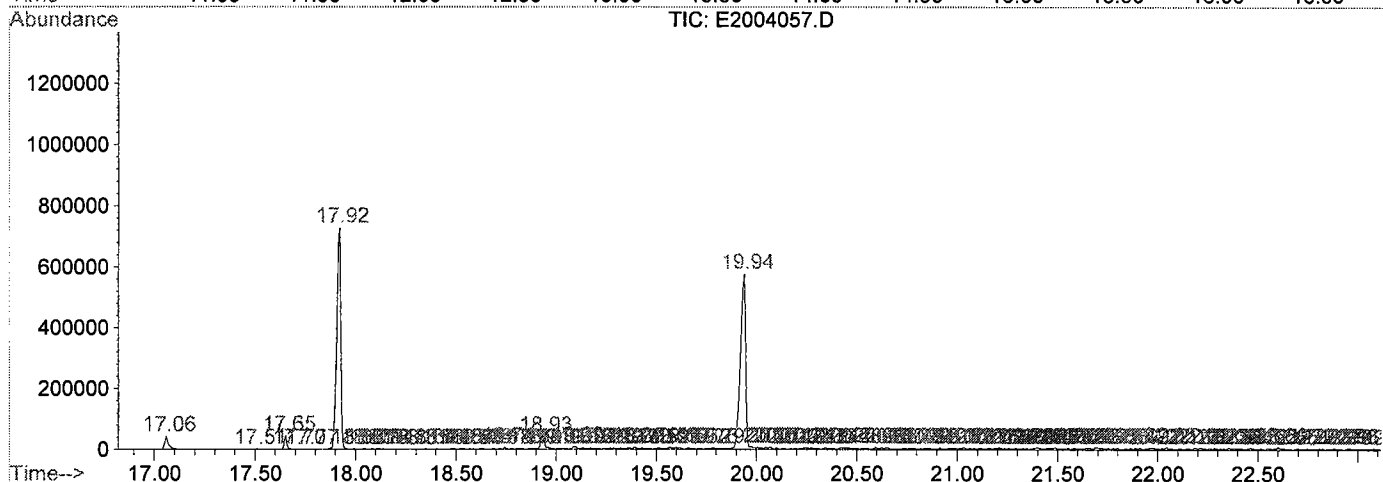
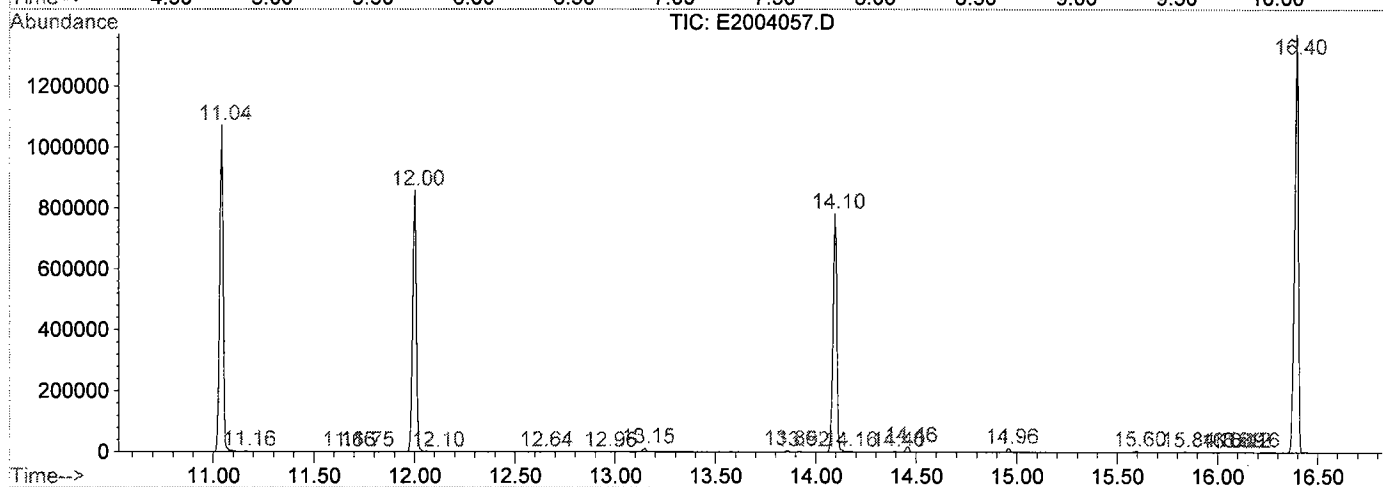
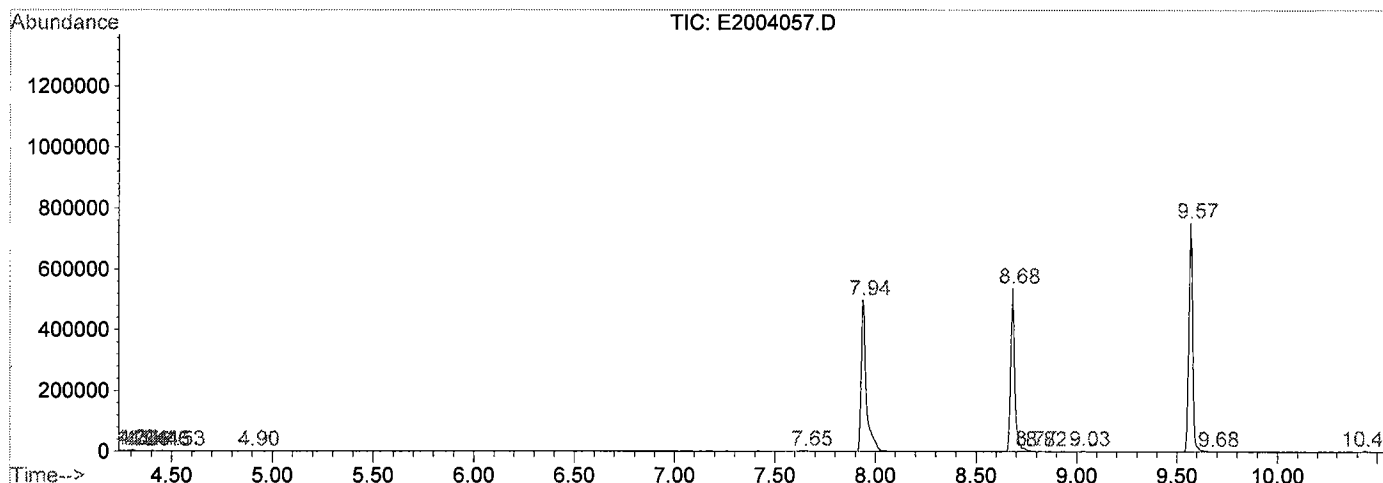
128	21.753	2943	2944	2946	VV 3	4272	33033	0.19%	0.030%
129	21.777	2946	2948	2950	VV	4318	47852	0.27%	0.043%
130	21.801	2950	2952	2956	VV	5740	57435	0.33%	0.052%
131	21.843	2956	2959	2961	VV	3815	53995	0.31%	0.048%
132	21.867	2961	2963	2969	VV 2	4399	88096	0.50%	0.079%
133	21.914	2969	2971	2973	VV	4843	53305	0.30%	0.048%
134	21.968	2973	2980	2985	VV 3	5344	149204	0.85%	0.134%
135	22.045	2988	2993	3003	VV	7563	182716	1.04%	0.164%
136	22.116	3003	3005	3009	VV	3480	62120	0.35%	0.056%
137	22.158	3009	3012	3014	VV 2	4078	54963	0.31%	0.049%
138	22.188	3014	3017	3019	VV 2	6739	79256	0.45%	0.071%
139	22.218	3019	3022	3037	VV	5598	219594	1.25%	0.197%
140	22.313	3037	3038	3043	VV 2	4300	69577	0.40%	0.062%
141	22.360	3043	3046	3048	VV	5415	64895	0.37%	0.058%
142	22.384	3048	3050	3052	VV	4501	45544	0.26%	0.041%
143	22.408	3052	3054	3059	VV	4208	85408	0.49%	0.077%
144	22.450	3059	3061	3062	VV	4199	35406	0.20%	0.032%
145	22.462	3062	3063	3068	VV	5776	91927	0.52%	0.082%
146	22.551	3076	3078	3082	VV	4835	71490	0.41%	0.064%
147	22.604	3082	3087	3094	VV 4	7892	169281	0.96%	0.152%
148	22.652	3094	3095	3099	VV	2918	30533	0.17%	0.027%
149	22.700	3099	3103	3107	VV 2	4364	73715	0.42%	0.066%
150	22.753	3107	3112	3118	VV 2	4674	99180	0.56%	0.089%
151	22.825	3118	3124	3126	VV 2	3532	65418	0.37%	0.059%
152	22.890	3126	3135	3136	VV 2	5305	85036	0.48%	0.076%
153	22.908	3136	3138	3142	VV	2747	32652	0.19%	0.029%
154	22.961	3142	3147	3149	PV	4065	58357	0.33%	0.052%
155	22.985	3149	3151	3153	VV	2343	20364	0.12%	0.018%
156	23.009	3153	3155	3160	VV	2607	36708	0.21%	0.033%

Sum of corrected areas: 111489336

E2004057.D BNA2M24.M Thu Aug 25 15:05:06 2005

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\E2004057.D
 Operator : SW
 Acquired : 25 Aug 2005 3:29 pm using AcqMethod BNA2M24
 Instrument : GCMS BNA
 Sample Name: 05080545-16 \$BNEXT/TICW 950ML/1ML ASPB
 Misc Info : QBSV2082505A
 Vial Number: 2
 Quant File :BNA2M24.RES (Chemstation Integrator)



Tentatively Identified Compound (LSC) summary

Operator ID: SW Date Acquired: 25 Aug 2005 3:29 pm
Data File: C:\HPCHEM\1\DATA\E2004057.D
Name: 05080545-16 \$BNEXT/TICW 950ML/1ML ASPB
Misc: QBSV2082505A
Method: C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)
Title: GC MS BNA 2 Semi Volatiles Calibration
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc

E2004057.D BNA2M24.M			Thu Aug 25 15:05:07 2005					

Op:
Dat
Nam
Mis
Met
Tit
Lib

Op:
Dat
Nam

Op:
Dat
Nam
Mis
Met
Tit
Lib

Op:
Dat
Nam

Op:
Dat
Nam

Op:
Dat
Nam

000501

Response Factor Report GCMS BNA

Method : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)
 Title : GC MS BNA 2 Semi Volatiles Calibration
 Last Update : Thu Jul 28 14:39:42 2005
 Response via : Initial Calibration

Calibration Files

10 =E2003169.D 20 =E2003170.D 50 =E2003172.D
 80 =E2003173.D 100 =E2003174.D 40 =E2003171.D

	Compound	10	20	50	80	100	40	Avg	%RSD
1) i	1,4-Dichlorobenzene-d	-----ISTD-----							
2) t	N-Nitrosodimethylam	1.034	0.905	1.041	0.973	0.955	1.068	0.996	6.21
3) t	Pyridine	1.520	1.614	1.556	1.578	1.541	1.560	1.562	2.08
4) s	2-Fluorophenol	1.418	1.436	1.422	1.275	1.222	1.376	1.358	6.53
5) s	Phenol-d5	1.746	1.628	1.534	1.350	1.286	1.560	1.517	11.35
6) t	Aniline	1.918	1.815	1.785	1.569	1.513	1.854	1.742	9.37
7) c,m	Phenol	1.824	1.881	1.716	1.455	1.354	1.815	1.674	13.00#
8) t	Bis(2-chloroethyl)e	1.751	1.727	1.602	1.564	1.494	1.661	1.633	6.05
9) m	2-Chlorophenol	1.584	1.541	1.517	1.394	1.372	1.527	1.489	5.75
10) t	1,3-Dichlorobenzene	1.544	1.519	1.456	1.309	1.342	1.545	1.453	7.15
11) c,m	1,4-Dichlorobenzene	1.720	1.639	1.683	1.556	1.463	1.551	1.602	5.99#
12) t	Benzyl Alcohol	0.961	0.923	0.911	0.768	0.745	0.915	0.870	10.38
13) t	1,2-Dichlorobenzene	1.510	1.520	1.445	1.346	1.462	1.538	1.470	4.79
14) t	2-Methylphenol	1.196	1.065	1.097	0.986	0.949	1.104	1.066	8.33
15) t	Bis(2-chloroisoprop	1.681	1.613	1.538	1.371	1.249	1.644	1.516	11.27
16) p,m	N-Nitroso-di-n-prop	1.112	1.101	1.067	0.962	0.928	1.136	1.051	8.16
17) t	4-Methylphenol	1.752	1.623	1.523	1.427	1.447	1.626	1.566	7.91
18) t	Hexachloroethane	0.815	0.774	0.811	0.754	0.762	0.818	0.789	3.66
19) s	Nitrobenzene-d5	1.683	1.672	1.665	1.503	1.501	1.758	1.631	6.43
20) t	Nitrobenzene	1.679	1.579	1.622	1.504	1.476	1.685	1.591	5.51
21) i	Naphthalene-d8	-----ISTD-----							
22) t	Isophorone	0.841	0.790	0.825	0.739	0.739	0.842	0.796	6.03
23) c	2-Nitrophenol	0.229	0.226	0.226	0.213	0.210	0.236	0.223	4.52#
24) t	2,4-Dimethylphenol	0.352	0.311	0.323	0.286	0.277	0.337	0.314	9.20
25) t	Bis(2-chloroethoxy)	0.499	0.460	0.439	0.373	0.367	0.462	0.433	12.20
26) t	Benzoic acid	0.258	0.279	0.329	0.297	0.332	0.339	0.306	10.74
27) c	2,4-Dichlorophenol	0.344	0.312	0.308	0.277	0.277	0.322	0.307	8.55#
28) m	1,2,4-Trichlorobenz	0.359	0.350	0.332	0.293	0.295	0.351	0.330	8.83
29) t	Naphthalene	1.157	1.017	0.978	0.870	0.853	1.056	0.988	11.67
30) t	4-Chloroaniline	0.484	0.425	0.436	0.381	0.384	0.453	0.427	9.30
31) c	Hexachlorobutadiene	0.245	0.225	0.237	0.216	0.226	0.245	0.232	5.13#
32) c,m	4-Chloro-3-methylph	0.391	0.354	0.363	0.330	0.335	0.375	0.358	6.52#
33) t	2-Methylnaphthalene	0.680	0.608	0.609	0.538	0.566	0.653	0.609	8.66
34) p	Hexachlorocyclopent	0.205	0.205	0.228	0.211	0.231	0.235	0.219	6.20
35) i	Acenaphthene-d10	-----ISTD-----							
36) c	2,4,6-Trichlorophen	0.416	0.424	0.428	0.406	0.447	0.470	0.432	5.32#
37) t	2,4,5-Trichlorophen	0.485	0.445	0.479	0.443	0.411	0.489	0.459	6.76

(#) = Out of Range ### Number of calibration levels exceeded format ###
 BNA2M24.M Mon Oct 03 14:09:25 2005

Page 1

000502

Response Factor Report GCMS BNA

Method : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)
 Title : GC MS BNA 2 Semi Volatiles Calibration
 Last Update : Thu Jul 28 14:39:42 2005
 Response via : Initial Calibration

Calibration Files

10 =E2003169.D 20 =E2003170.D 50 =E2003172.D
 80 =E2003173.D 100 =E2003174.D 40 =E2003171.D

	Compound	10	20	50	80	100	40	Avg	%RSD
38) s	2-Fluorobiphenyl	1.412	1.272	1.308	1.201	1.237	1.379	1.301	6.27
39) t	2-Chloronaphthalene	1.295	1.209	1.182	1.070	1.077	1.258	1.182	7.82
40) t	2-Nitroaniline	0.482	0.497	0.509	0.460	0.441	0.521	0.485	6.26
41) t	Dimethylphthalate	1.641	1.583	1.590	1.447	1.463	1.686	1.568	6.09
42) t	2,6-Dinitrotoluene	0.348	0.336	0.353	0.351	0.364	0.368	0.353	3.32
43) t	Acenaphthylene	1.987	1.852	1.847	1.680	1.736	1.942	1.841	6.36
44) t	3-Nitroaniline	0.410	0.355	0.381	0.356	0.357	0.398	0.376	6.36
45) c,m	Acenaphthene	1.154	1.052	1.034	0.985	1.001	1.122	1.058	6.35#
46) p	2,4-Dinitrophenol	0.224	0.230	0.274	0.246	0.262	0.289	0.254	10.06
47) t	Dibenzofuran	1.686	1.633	1.654	1.521	1.511	1.720	1.621	5.33
48) m	2,4-Dinitrotoluene	0.501	0.488	0.510	0.489	0.411	0.536	0.489	8.63
49) p,m	4-Nitrophenol	0.364	0.410	0.413	0.399	0.400	0.471	0.410	8.48
50) t	Diethyl phthalate	1.887	1.786	1.810	1.666	1.665	1.900	1.786	5.76
51) t	Fluorene	1.365	1.290	1.303	1.262	1.339	1.386	1.324	3.58
52) t	4-Chlorophenyl phen	0.692	0.672	0.706	0.669	0.735	0.701	0.696	3.50
53) t	4-Nitroaniline	0.372	0.393	0.384	0.368	0.355	0.414	0.381	5.45
54) t	4,6-Dinitro-2-methy	0.305	0.323	0.321	0.318	0.348	0.335	0.325	4.58
55) c	Diphenylamine	1.062	0.983	1.000	0.911	0.992	1.005	0.992	4.89#
56) t	N-Nitrosodiphenylam	0.387	0.319	0.378	0.358	0.381	0.373	0.366	6.82
57) i	Phenanthrene-d10	-----ISTD-----							
58) t	Azobenzene	1.126	1.003	1.195	1.048	1.082	1.252	1.118	8.34
59) s	2,4,6-Tribromopheno	0.195	0.189	0.206	0.187	0.194	0.220	0.198	6.30
60) t	4-Bromophenyl pheny	0.269	0.253	0.276	0.247	0.306	0.288	0.273	8.11
61) t	Hexachlorobenzene	0.140	0.135	0.142	0.132	0.132	0.151	0.139	5.22
62) c,m	Pentachlorophenol		0.206	0.237	0.209	0.223	0.242	0.223	7.32#
63) t	Phenanthrene	1.201	1.101	1.113	0.999	1.042	1.172	1.105	6.88
64) t	Anthracene	1.209	1.116	1.160	1.036	1.064	1.204	1.131	6.37
65)	Carbazole	1.024	1.015	1.058	0.958	0.983	1.101	1.023	5.01
66) t	Di-n-butyl phthalat	1.889	1.687	1.822	1.627	1.674	1.886	1.764	6.54
67) c	Fluoranthene	1.265	1.147	1.244	1.145	1.161	1.271	1.205	5.05#
68) t	Benzidine	0.316	0.428	0.546	0.466	0.514	0.537	0.468	18.53
69) m	Pyrene	1.345	1.180	1.302	1.205	1.247	1.349	1.272	5.63
70) s	Terphenyl-d14		0.868	0.977	0.908	0.961	0.985	0.940	5.34
71) t	Benzyl butyl phthal	0.868	0.832	0.891	0.789	0.816	0.895	0.849	5.05
72) t	Bis(2-ethylhexyl) p	1.241	1.219	1.416	1.343	1.646	1.453	1.386	11.35
73) t	Benz (a) anthracene	1.254	1.237	1.415	1.152	1.250	1.411	1.286	8.15
74) t	3,3-Dichlorobenzidi	0.386	0.398	0.562	0.587	0.668	0.578	0.530	21.30
75) i	Chrysene-d12	-----ISTD-----							

Response Factor Report GCMS BNA

Method : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)
 Title : GC MS BNA 2 Semi Volatiles Calibration
 Last Update : Thu Jul 28 14:39:42 2005
 Response via : Initial Calibration

Calibration Files

10	=E2003169.D	20	=E2003170.D	50	=E2003172.D
80	=E2003173.D	100	=E2003174.D	40	=E2003171.D

	Compound	10	20	50	80	100	40	Avg	%RSD

76) t	Chrysene	1.022	0.943	0.958	0.812	0.838	0.988	0.927	9.06
77) c	Di-n-octyl phthalat	1.783	1.685	1.625	1.406	1.456	1.763	1.620	9.72#
78) t	Benzo(b)fluoranthene	1.099	1.004	1.059	1.086	1.248	1.030	1.088	7.88
79) t	Benzo(k)fluoranthene	1.140	1.087	0.928	0.786	0.592	1.133	0.944	23.40
80) c	Benzo(a)pyrene	0.969	0.949	0.895	0.798	0.767	1.001	0.896	10.63#
81) t	Indeno(1,2,3-cd)pyr	1.158	1.149	1.145	0.996	1.002	1.234	1.114	8.52
82) t	Dibenz(a,h)anthracene	0.916	1.039	0.998	0.881	0.889	1.090	0.969	8.93
83) t	Benzo(g,h,i)perylene	0.902	0.963	0.952	0.824	0.833	0.992	0.911	7.71
84) i	Perylene-d12	-----ISTD-----							

Data File : C:\HPCHEM\1\DATA\E2003169.D

Vial: 13

Acq On : 27 Jul 2005 7:58 pm

Operator:

Sample : 10 ppm BNA CAL STD

Inst : GCMS BNA

Misc : QBSV2072705A

Multiplr: 1.00

MS Integration Params: events.e

Quant Time: Jul 28 14:31 19105

Quant Results File: BNA2M24.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)

Title : GC MS BNA 2 Semi Volatiles Calibration

Last Update : Fri Jul 01 11:57:27 2005

Response via : Initial Calibration

DataAcq Meth : BNA2M24

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.28	152	1836479	40.00	ug/mL	0.21
21) Naphthalene-d8	9.92	136	6372322	40.00	ug/mL	0.22
35) Acenaphthene-d10	12.36	164	3304945	40.00	ug/mL	0.24
57) Phenanthrene-d10	14.45	188	5411348	40.00	ug/mL	0.24
75) Chrysene-d12	18.27	240	6357945	40.00	ug/mL	0.23
84) Perylene-d12	20.37	264	6724683	40.00	ug/mL	0.31

System Monitoring Compounds

4) 2-Fluorophenol	6.80	112	650847	16.75	ug/mL	0.19
Spiked Amount 200.000	Range 15 - 87		Recovery =	8.38%#		
5) Phenol-d5	7.89	99	801618	12.97	ug/mL	0.13
Spiked Amount 200.000	Range 10 - 100		Recovery =	6.49%#		
19) Nitrobenzene-d5	9.02	82	772760	12.72	ug/mL	0.19
Spiked Amount 100.000	Range 26 - 120		Recovery =	12.72%#		
38) 2-Fluorobiphenyl	11.39	172	1166350	10.12	ug/mL	0.23
Spiked Amount 100.000	Range 29 - 120		Recovery =	10.12%#		
59) 2,4,6-Tribromophenol	13.49	330	264100	6.93	ug/mL	0.22
Spiked Amount 200.000	Range 35 - 126		Recovery =	3.47%#		
70) Terphenyl-d14	16.73	244	1269300	7.69	ug/mL	0.23
Spiked Amount 100.000	Range 35 - 127		Recovery =	7.69%#		

Target Compounds

						Qvalue
2) N-Nitrosodimethylamine	5.16	74	474652m	28.07	ug/mL	
3) Pyridine	5.08	79	697812m	27.60	ug/mL	
6) Aniline	7.95	93	880814	13.62	ug/mL#	84
7) Phenol	7.91	94	837332m	13.41	ug/mL	
8) Bis(2-chloroethyl) ether	8.01	93	804103m	16.61	ug/mL	
9) 2-Chlorophenol	8.07	128	727447	14.25	ug/mL	95
10) 1,3-Dichlorobenzene	8.23	146	708690m	12.05	ug/mL	
11) 1,4-Dichlorobenzene	8.30	146	789827m	10.85	ug/mL	
12) Benzyl Alcohol	8.48	108	441282	13.64	ug/mL#	60
13) 1,2-Dichlorobenzene	8.53	146	693500	10.26	ug/mL	94
14) 2-Methylphenol	8.62	107	549181	13.72	ug/mL#	91
15) Bis(2-chloroisopropyl) eth	8.66	45	771895	14.66	ug/mL#	64
16) N-Nitroso-di-n-propylamine	8.84	70	510411	13.75	ug/mL#	1
17) 4-Methylphenol	8.80	107	804390	14.51	ug/mL#	41
18) Hexachloroethane	8.91	117	374302	12.47	ug/mL#	64

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

E2003169.D BNA2M24.M Thu Jul 28 14:31:17 2005

000505

Page 1

Data File : C:\HPCHEM\1\DATA\E2003169.D

Vial: 13

Acq On : 27 Jul 2005 7:58 pm

Operator:

Sample : 10 ppm BNA CAL STD

Inst : GCMS BNA

Misc : QBSV2072705A

Multiplr: 1.00

MS Integration Params: events.e

Quant Time: Jul 28 14:31 19105

Quant Results File: BNA2M24.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)

Title : GC MS BNA 2 Semi Volatiles Calibration

Last Update : Fri Jul 01 11:57:27 2005

Response via : Initial Calibration

DataAcq Meth : BNA2M24

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
20) Nitrobenzene	9.04	77	770922	13.14	ug/mL#	1
22) Isophorone	9.32	82	1339637	14.31	ug/mL	94
23) 2-Nitrophenol	9.44	139	365359	11.35	ug/mL#	79
24) 2,4-Dimethylphenol	9.47	122	560550	13.90	ug/mL#	91
25) Bis(2-chloroethoxy) methan	9.60	93	795447	15.97	ug/mL	96
26) Benzoic acid	9.61	105	411804	14.72	ug/mL	78
27) 2,4-Dichlorophenol	9.73	162	548663	10.84	ug/mL#	89
28) 1,2,4-Trichlorobenzene	9.85	180	572550	9.40	ug/mL	98
29) Naphthalene	9.94	128	1843841	11.84	ug/mL#	94
30) 4-Chloroaniline	10.04	127	770626	12.72	ug/mL	98
31) Hexachlorobutadiene	10.16	225	390418	8.06	ug/mL	95
32) 4-Chloro-3-methylphenol	10.66	107	623460	12.85	ug/mL	93
33) 2-Methylnaphthalene	10.87	142	1083096	10.69	ug/mL#	95
34) Hexachlorocyclopentadiene	11.17	237	326880	26.63	ug/mL#	94
36) 2,4,6-Trichlorophenol	11.29	196	343317	9.62	ug/mL#	79
37) 2,4,5-Trichlorophenol	11.34	196	401119	9.82	ug/mL#	85
39) 2-Chloronaphthalene	11.54	162	1069782	11.91	ug/mL	96
40) 2-Nitroaniline	11.74	138	397976	13.30	ug/mL#	84
41) Dimethylphthalate	12.01	163	1355986	12.28	ug/mL	99
42) 2,6-Dinitrotoluene	12.13	165	287500	10.42	ug/mL#	42
43) Acenaphthylene	12.14	152	1641407	11.59	ug/mL#	92
44) 3-Nitroaniline	12.33	138	338803	12.02	ug/mL	95
45) Acenaphthene	12.40	154	953497	11.77	ug/mL	98
46) 2,4-Dinitrophenol	12.47	184	184916	12.21	ug/mL#	60
47) Dibenzofuran	12.62	168	1393069	10.50	ug/mL	94
48) 2,4-Dinitrotoluene	12.68	165	414063	11.79	ug/mL#	75
49) 4-Nitrophenol	12.53	65	300617m	13.00	ug/mL	
50) Diethyl phthalate	13.00	149	1558973	13.88	ug/mL	94
51) Fluorene	13.11	166	1127972	10.70	ug/mL	99
52) 4-Chlorophenyl phenylether	13.09	204	571925	9.18	ug/mL#	74
53) 4-Nitroaniline	13.21	138	307233	13.47	ug/mL#	85
54) 4,6-Dinitro-2-methylphenol	13.26	198	251659	10.30	ug/mL#	82
55) Diphenylamine	13.28	169	877208	11.67	ug/mL	97
56) N-Nitrosodiphenylamine	13.28	167	319529	11.87	ug/mL	97
58) Azobenzene	13.32	77	1523426	14.05	ug/mL#	77
60) 4-Bromophenyl phenylether	13.79	248	363390	8.13	ug/mL#	70
61) Hexachlorobenzene	14.01	142	189410	14.41	ug/mL	26

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

Data File : C:\HPCHEM\1\DATA\E2003169.D

Vial: 13

Acq On : 27 Jul 2005 7:58 pm

Operator:

Sample : 10 ppm BNA CAL STD

Inst : GCMS BNA

Misc : QBSV2072705A

Multiplr: 1.00

MS Integration Params: events.e

Quant Time: Jul 28 14:31 19105

Quant Results File: BNA2M24.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)

Title : GC MS BNA 2 Semi Volatiles Calibration

Last Update : Fri Jul 01 11:57:27 2005

Response via : Initial Calibration

DataAcq Meth : BNA2M24

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
62) Pentachlorophenol	14.27	266	294323	10.16	ug/mL	88
63) Phenanthrene	14.48	178	1624590	10.45	ug/mL#	97
64) Anthracene	14.54	178	1635161	11.49	ug/mL#	97
65) Carbazole	14.78	167	1384822	11.27	ug/mL#	91
66) Di-n-butyl phthalate	15.31	149	2555659	13.57	ug/mL	96
67) Fluoranthene	16.19	202	1711815	10.15	ug/mL#	98
68) Benzidine	16.39	184	427686	7.17	ug/mL#	98
69) Pyrene	16.52	202	1820098	10.22	ug/mL#	98
71) Benzyl butyl phthalate	17.46	149	1174290	13.28	ug/mL#	88
72) Bis(2-ethylhexyl) phthalat	18.27	149	1678606	10.81	ug/mL#	93
73) Benz (a) anthracene	18.30	228	1633256	7.46	ug/mL	94
74) 3,3-Dichlorobenzidine	18.22	252	522410	5.36	ug/mL#	94
76) Chrysene	18.30	228	1625115	11.45	ug/mL#	96
77) Di-n-octyl phthalate	19.09	149	2834108	16.76	ug/mL#	94
78) Benzo(b)fluoranthene	19.75	252	1746680m	8.85	ug/mL	
79) Benzo(k)fluoranthene	19.79	252	1811982	11.69	ug/mL#	72
80) Benzo(a)pyrene	20.25	252	1539899	10.02	ug/mL#	97
81) Indeno(1,2,3-cd)pyrene	22.27	276	1840572	8.86	ug/mL#	86
82) Dibenz(a,h)anthracene	22.28	278	1456623	8.29	ug/mL#	95
83) Benzo(g,h,i)perylene	22.84	276	1434404	8.58	ug/mL#	87

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

E2003169.D BNA2M24.M Thu Jul 28 14:31:17 2005

000507

Page 3

Qualification Report

Data File : C:\HPCHEM\1\DATA\E2003170.D

Vial: 14

Acq On : 27 Jul 2005 8:31 pm

Operator:

Sample : 20 ppm BNA CAL STD

Inst : GCMS BNA

Misc : QBSV2072705A

Multiplr: 1.00

MS Integration Params: events.e

Quant Time: Jul 28 14:32 19105

Quant Results File: BNA2M24.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)

Title : GC MS BNA 2 Semi Volatiles Calibration

Last Update : Fri Jul 01 11:57:27 2005

Response via : Initial Calibration

DataAcq Meth : BNA2M24

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.28	152	1663394	40.00	ug/mL	0.21
21) Naphthalene-d8	9.92	136	5941253	40.00	ug/mL	0.22
35) Acenaphthene-d10	12.36	164	3015356	40.00	ug/mL	0.24
57) Phenanthrene-d10	14.45	188	5082783	40.00	ug/mL	0.24
75) Chrysene-d12	18.27	240	5985299	40.00	ug/mL	0.23
84) Perylene-d12	20.37	264	6152526	40.00	ug/mL	0.31

System Monitoring Compounds

4) 2-Fluorophenol	6.79	112	1194263m	33.93	ug/mL	0.18
Spiked Amount 200.000	Range 15 - 87		Recovery =	16.97%		
5) Phenol-d5	7.90	99	1354088	24.18	ug/mL	0.14
Spiked Amount 200.000	Range 10 - 100		Recovery =	12.09%		
19) Nitrobenzene-d5	9.02	82	1390608	25.26	ug/mL	0.19
Spiked Amount 100.000	Range 26 - 120		Recovery =	25.26%#		
38) 2-Fluorobiphenyl	11.39	172	1917149	18.23	ug/mL	0.23
Spiked Amount 100.000	Range 29 - 120		Recovery =	18.23%#		
59) 2,4,6-Tribromophenol	13.49	330	479069	13.38	ug/mL	0.22
Spiked Amount 200.000	Range 35 - 126		Recovery =	6.69%#		
70) Terphenyl-d14	16.73	244	2204938	14.22	ug/mL	0.23
Spiked Amount 100.000	Range 35 - 127		Recovery =	14.22%#		

Target Compounds

					Qvalue
2) N-Nitrosodimethylamine	5.16	74	752725	49.15	ug/mL# 40
3) Pyridine	5.07	79	1342743m	58.64	ug/mL
6) Aniline	7.95	93	1509336	25.78	ug/mL# 79
7) Phenol	7.91	94	1564178m	27.65	ug/mL
8) Bis(2-chloroethyl)ether	8.01	93	1436412	32.75	ug/mL 93
9) 2-Chlorophenol	8.07	128	1281384	27.71	ug/mL 97
10) 1,3-Dichlorobenzene	8.23	146	1263353	23.72	ug/mL 86
11) 1,4-Dichlorobenzene	8.30	146	1363352m	20.69	ug/mL
12) Benzyl Alcohol	8.48	108	767273	26.18	ug/mL# 65
13) 1,2-Dichlorobenzene	8.53	146	1264429	20.65	ug/mL 95
14) 2-Methylphenol	8.62	107	885715	24.43	ug/mL# 93
15) Bis(2-chloroisopropyl) eth	8.66	45	1341130	28.12	ug/mL# 60
16) N-Nitroso-di-n-propylamine	8.85	70	915527	27.23	ug/mL# 1
17) 4-Methylphenol	8.80	107	1349806	26.88	ug/mL# 40
18) Hexachloroethane	8.91	117	643967	23.69	ug/mL# 75

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

Data File : C:\HPCHEM\1\DATA\E2003170.D

Vial: 14

Acq On : 27 Jul 2005 8:31 pm

Operator:

Sample : 20 ppm BNA CAL STD

Inst : GCMS BNA

Misc : QBSV2072705A

Multiplr: 1.00

MS Integration Params: events.e

Quant Time: Jul 28 14:32 19105

Quant Results File: BNA2M24.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)

Title : GC MS BNA 2 Semi Volatiles Calibration

Last Update : Fri Jul 01 11:57:27 2005

Response via : Initial Calibration

DataAcq Meth : BNA2M24

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
20) Nitrobenzene	9.04	77	1313410	24.72	ug/mL#	1
22) Isophorone	9.33	82	2345464	26.88	ug/mL	95
23) 2-Nitrophenol	9.44	139	672657	22.41	ug/mL#	86
24) 2,4-Dimethylphenol	9.47	122	922759	24.55	ug/mL	96
25) Bis(2-chloroethoxy) methan	9.60	93	1365852	29.41	ug/mL	96
26) Benzoic acid	9.64	105	828640	31.76	ug/mL	98
27) 2,4-Dichlorophenol	9.74	162	926587	19.63	ug/mL#	82
28) 1,2,4-Trichlorobenzene	9.85	180	1040245	18.33	ug/mL	96
29) Naphthalene	9.94	128	3020698	20.81	ug/mL#	95
30) 4-Chloroaniline	10.04	127	1262077	22.34	ug/mL	98
31) Hexachlorobutadiene	10.16	225	667083	14.77	ug/mL	97
32) 4-Chloro-3-methylphenol	10.67	107	1050602	23.22	ug/mL	93
33) 2-Methylnaphthalene	10.87	142	1807189	19.14	ug/mL#	93
34) Hexachlorocyclopentadiene	11.17	237	609427	53.24	ug/mL#	97
36) 2,4,6-Trichlorophenol	11.29	196	639184	19.62	ug/mL#	85
37) 2,4,5-Trichlorophenol	11.34	196	671107	18.01	ug/mL#	87
39) 2-Chloronaphthalene	11.54	162	1823475	22.26	ug/mL	94
40) 2-Nitroaniline	11.75	138	749420	27.45	ug/mL	98
41) Dimethylphthalate	12.02	163	2386149	23.68	ug/mL	98
42) 2,6-Dinitrotoluene	12.13	165	506363	20.11	ug/mL#	52
43) Acenaphthylene	12.14	152	2792592	21.61	ug/mL#	83
44) 3-Nitroaniline	12.33	138	535778	20.84	ug/mL#	86
45) Acenaphthene	12.40	154	1586364	21.47	ug/mL	97
46) 2,4-Dinitrophenol	12.47	184	346125	25.05	ug/mL#	56
47) Dibenzofuran	12.62	168	2461746	20.33	ug/mL	96
48) 2,4-Dinitrotoluene	12.68	165	735372	22.95	ug/mL#	76
49) 4-Nitrophenol	12.54	65	618845m	29.34	ug/mL	
50) Diethyl phthalate	13.01	149	2692089	26.27	ug/mL	93
51) Fluorene	13.11	166	1945022	20.22	ug/mL	99
52) 4-Chlorophenyl phenylether	13.10	204	1012913	17.81	ug/mL#	81
53) 4-Nitroaniline	13.21	138	592514	28.48	ug/mL	87
54) 4,6-Dinitro-2-methylphenol	13.26	198	487613	21.86	ug/mL#	79
55) Diphenylamine	13.28	169	1482269	21.62	ug/mL	96
56) N-Nitrosodiphenylamine	13.28	167	481377	19.61	ug/mL	81
58) Azobenzene	13.32	77	2548681	25.02	ug/mL#	80
60) 4-Bromophenyl phenylether	13.79	248	642854	15.32	ug/mL#	74
61) Hexachlorobenzene	14.01	142	344282	27.89	ug/mL#	20

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

Data File : C:\HPCHEM\1\DATA\E2003170.D

Vial: 14

Acq On : 27 Jul 2005 8:31 pm

Operator:

Sample : 20 ppm BNA CAL STD

Inst : GCMS BNA

Misc : QBSV2072705A

Multiplr: 1.00

MS Integration Params: events.e

Quant Time: Jul 28 14:32 19105

Quant Results File: BNA2M24.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)

Title : GC MS BNA 2 Semi Volatiles Calibration

Last Update : Fri Jul 01 11:57:27 2005

Response via : Initial Calibration

DataAcq Meth : BNA2M24

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
62) Pentachlorophenol	14.27	266	522609	19.22	ug/mL	90
63) Phenanthrene	14.49	178	2797013	19.16	ug/mL#	99
64) Anthracene	14.55	178	2835321	21.21	ug/mL#	98
65) Carbazole	14.78	167	2578897	22.34	ug/mL#	92
66) Di-n-butyl phthalate	15.31	149	4287768	24.24	ug/mL	97
67) Fluoranthene	16.20	202	2915464	18.41	ug/mL#	97
68) Benzidine	16.39	184	1088034	19.41	ug/mL#	97
69) Pyrene	16.52	202	3000097	17.94	ug/mL#	98
71) Benzyl butyl phthalate	17.46	149	2113813	25.46	ug/mL#	90
72) Bis(2-ethylhexyl) phthalat	18.27	149	3097076	21.23	ug/mL#	92
73) Benz (a) anthracene	18.31	228	2822517	13.72	ug/mL	94
74) 3,3-Dichlorobenzidine	18.22	252	1012041	11.05	ug/mL#	98
76) Chrysene	18.31	228	2822143	21.12	ug/mL#	96
77) Di-n-octyl phthalate	19.10	149	5041263	31.67	ug/mL#	94
78) Benzo(b)fluoranthene	19.76	252	3005759m	16.18	ug/mL	
79) Benzo(k)fluoranthene	19.80	252	3252718	22.30	ug/mL#	71
80) Benzo(a)pyrene	20.26	252	2839301	19.62	ug/mL#	96
81) Indeno(1,2,3-cd)pyrene	22.29	276	3439769m	17.59	ug/mL	
82) Dibenz(a,h)anthracene	22.30	278	3110125m	18.80	ug/mL	
83) Benzo(g,h,i)perylene	22.86	276	2882238m	18.31	ug/mL	

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

2

Vial: 14

Operator:

Inst : GCMS BNA

Multiplier: 1.00

MS Integration Params: events.e

Quant Time: Jul 28 14:32 19105

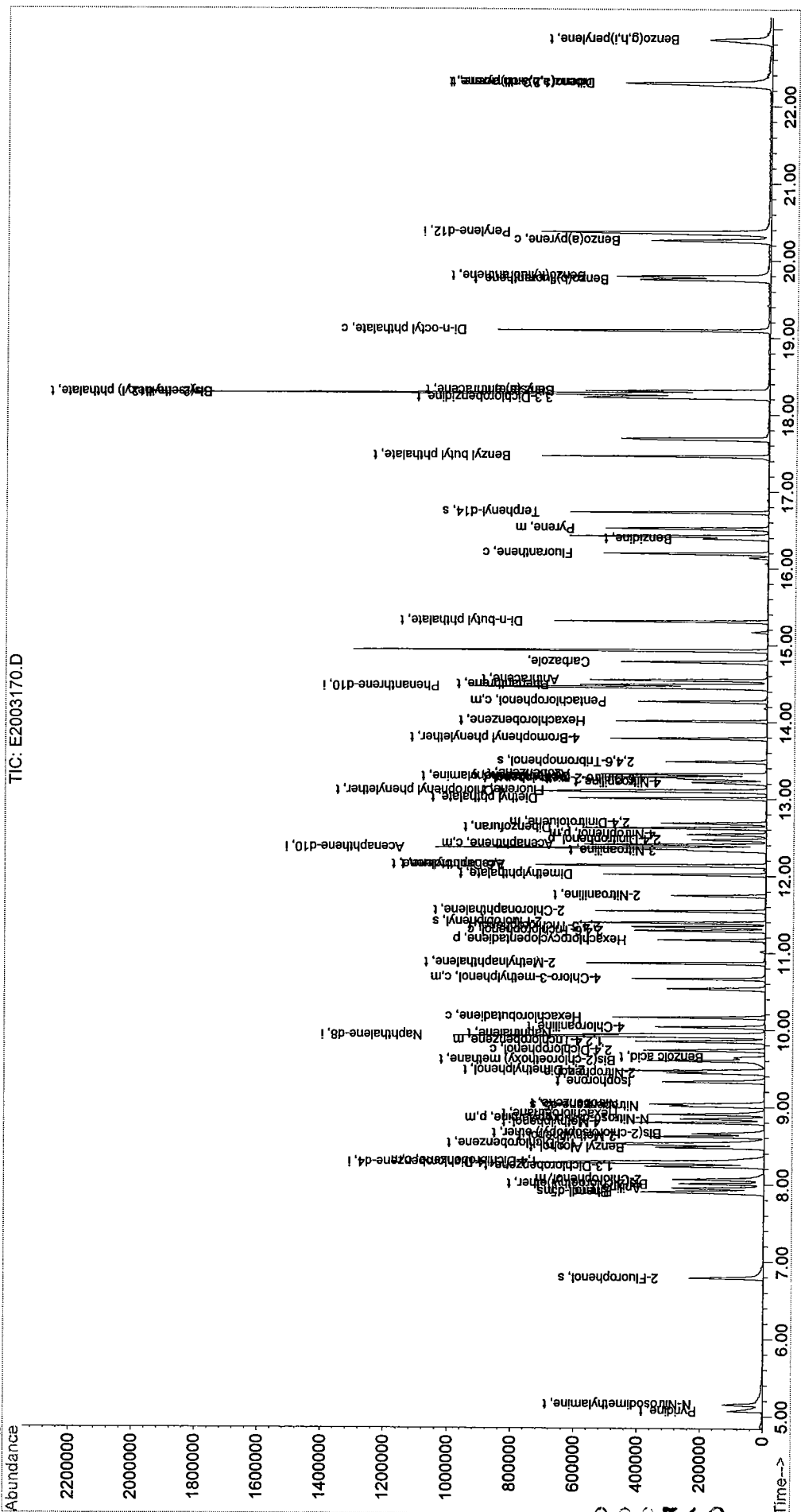
Quant Results File: BNA2M24.RES

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Method : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)
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Title : GC MS BNA 2 Semi Volatiles Calibration

Last Update : Fri Jul 01 11:57:27 2005

Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\E2003171.D

Vial: 15

Acq On : 27 Jul 2005 9:03 pm

Operator:

Sample : 40 ppm BNA CAL STD

Inst : GCMS BNA

Misc : QBSV2072705A

Multiplr: 1.00

MS Integration Params: events.e

Quant Time: Jul 28 14:33 19105

Quant Results File: BNA2M24.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)

Title : GC MS BNA 2 Semi Volatiles Calibration

Last Update : Fri Jul 01 11:57:27 2005

Response via : Initial Calibration

DataAcq Meth : BNA2M24

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.28	152	1714984	40.00	ug/mL	0.21
21) Naphthalene-d8	9.92	136	6056574	40.00	ug/mL	0.22
35) Acenaphthene-d10	12.36	164	3078733	40.00	ug/mL	0.25
57) Phenanthrene-d10	14.46	188	5188542	40.00	ug/mL	0.24
75) Chrysene-d12	18.28	240	6676878	40.00	ug/mL	0.24
84) Perylene-d12	20.38	264	6327554	40.00	ug/mL	0.32

System Monitoring Compounds

4) 2-Fluorophenol	6.80	112	2359325m	65.02	ug/mL	0.19
Spiked Amount 200.000	Range 15 - 87		Recovery =	32.51%		
5) Phenol-d5	7.91	99	2674635	46.33	ug/mL	0.15
Spiked Amount 200.000	Range 10 - 100		Recovery =	23.17%		
19) Nitrobenzene-d5	9.02	82	3015626	53.14	ug/mL	0.20
Spiked Amount 100.000	Range 26 - 120		Recovery =	53.14%		
38) 2-Fluorobiphenyl	11.40	172	4244433	39.54	ug/mL	0.23
Spiked Amount 100.000	Range 29 - 120		Recovery =	39.54%		
59) 2,4,6-Tribromophenol	13.50	330	1140442	31.21	ug/mL	0.23
Spiked Amount 200.000	Range 35 - 126		Recovery =	15.61%#		
70) Terphenyl-d14	16.74	244	5108444	32.26	ug/mL	0.24
Spiked Amount 100.000	Range 35 - 127		Recovery =	32.26%#		

Target Compounds

						Qvalue
2) N-Nitrosodimethylamine	5.16	74	1831720m	116.00	ug/mL	
3) Pyridine	5.07	79	2675882m	113.35	ug/mL	
6) Aniline	7.96	93	3179391	52.66	ug/mL#	84
7) Phenol	7.93	94	3112062m	53.36	ug/mL	
8) Bis(2-chloroethyl)ether	8.02	93	2848560	62.99	ug/mL	96
9) 2-Chlorophenol	8.07	128	2618290	54.93	ug/mL	95
10) 1,3-Dichlorobenzene	8.24	146	2650446	48.27	ug/mL	89
11) 1,4-Dichlorobenzene	8.24	146	2660004	39.15	ug/mL	95
12) Benzyl Alcohol	8.49	108	1569309	51.93	ug/mL#	63
13) 1,2-Dichlorobenzene	8.54	146	2638131	41.78	ug/mL	95
14) 2-Methylphenol	8.63	107	1893664m	50.67	ug/mL	
15) Bis(2-chloroisopropyl) eth	8.66	45	2819665	57.34	ug/mL#	63
16) N-Nitroso-di-n-propylamine	8.87	70	1947870m	56.19	ug/mL	
17) 4-Methylphenol	8.82	107	2788384	53.85	ug/mL#	43
18) Hexachloroethane	8.91	117	1402819	50.06	ug/mL#	73

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

Data File : C:\HPCHEM\1\DATA\E2003171.D

Vial: 15

Acq On : 27 Jul 2005 9:03 pm

Operator:

Sample : 40 ppm BNA CAL STD

Inst : GCMS BNA

Misc : QBSV2072705A

Multiplr: 1.00

MS Integration Params: events.e

Quant Time: Jul 28 14:33 19105

Quant Results File: BNA2M24.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)

Title : GC MS BNA 2 Semi Volatiles Calibration

Last Update : Fri Jul 01 11:57:27 2005

Response via : Initial Calibration

DataAcq Meth : BNA2M24

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
20) Nitrobenzene	9.05	77	2889662	52.76	ug/mL#	1
22) Isophorone	9.35	82	5099597	57.32	ug/mL	96
23) 2-Nitrophenol	9.45	139	1430157	46.74	ug/mL#	79
24) 2,4-Dimethylphenol	9.48	122	2041582	53.27	ug/mL	97
25) Bis(2-chloroethoxy) methan	9.61	93	2798350	59.11	ug/mL	98
26) Benzoic acid	9.70	105	2055696m	77.29	ug/mL	
27) 2,4-Dichlorophenol	9.75	162	1951115	40.55	ug/mL#	84
28) 1,2,4-Trichlorobenzene	9.86	180	2125021	36.72	ug/mL	96
29) Naphthalene	9.95	128	6394031	43.21	ug/mL#	96
30) 4-Chloroaniline	10.05	127	2744500	47.66	ug/mL	96
31) Hexachlorobutadiene	10.17	225	1483386	32.22	ug/mL	97
32) 4-Chloro-3-methylphenol	10.68	107	2272301	49.27	ug/mL	92
33) 2-Methylnaphthalene	10.87	142	3956626m	41.10	ug/mL	
34) Hexachlorocyclopentadiene	11.17	237	1423257	121.97	ug/mL#	98
36) 2,4,6-Trichlorophenol	11.30	196	1445729	43.47	ug/mL#	88
37) 2,4,5-Trichlorophenol	11.35	196	1505816	39.57	ug/mL#	85
39) 2-Chloronaphthalene	11.55	162	3873751	46.31	ug/mL	92
40) 2-Nitroaniline	11.76	138	1604023	57.55	ug/mL#	92
41) Dimethylphthalate	12.04	163	5191367	50.45	ug/mL	98
42) 2,6-Dinitrotoluene	12.14	165	1133940	44.11	ug/mL#	52
43) Acenaphthylene	12.15	152	5979089	45.32	ug/mL#	79
44) 3-Nitroaniline	12.35	138	1226513	46.72	ug/mL#	88
45) Acenaphthene	12.41	154	3453506	45.78	ug/mL	97
46) 2,4-Dinitrophenol	12.49	184	889878	63.07	ug/mL#	59
47) Dibenzofuran	12.63	168	5295825	42.84	ug/mL	97
48) 2,4-Dinitrotoluene	12.70	165	1649123	50.41	ug/mL#	75
49) 4-Nitrophenol	12.56	65	1448659m	67.27	ug/mL	
50) Diethyl phthalate	13.02	149	5850749	55.92	ug/mL	95
51) Fluorene	13.12	166	4266836	43.45	ug/mL	99
52) 4-Chlorophenyl phenylether	13.10	204	2157494	37.16	ug/mL#	73
53) 4-Nitroaniline	13.24	138	1275211	60.04	ug/mL	89
54) 4,6-Dinitro-2-methylphenol	13.28	198	1032156	45.33	ug/mL#	75
55) Diphenylamine	13.30	169	3094820	44.21	ug/mL	97
56) N-Nitrosodiphenylamine	13.30	167	1148798	45.83	ug/mL	97
58) Azobenzene	13.33	77	6496608	62.48	ug/mL#	71
60) 4-Bromophenyl phenylether	13.79	248	1495129	34.90	ug/mL#	74
61) Hexachlorobenzene	14.02	142	784862	62.29	ug/mL#	24

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

Data File : C:\HPCHEM\1\DATA\E2003171.D

Vial: 15

Acq On : 27 Jul 2005 9:03 pm

Operator:

Sample : 40 ppm BNA CAL STD

Inst : GCMS BNA

Misc : QBSV2072705A

Multiplr: 1.00

MS Integration Params: events.e

Quant Time: Jul 28 14:33 19105

Quant Results File: BNA2M24.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)

Title : GC MS BNA 2 Semi Volatiles Calibration

Last Update : Fri Jul 01 11:57:27 2005

Response via : Initial Calibration

DataAcq Meth : BNA2M24

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
62) Pentachlorophenol	14.28	266	1256344	45.25	ug/mL	91
63) Phenanthrene	14.49	178	6080924	40.81	ug/mL#	99
64) Anthracene	14.56	178	6246728	45.79	ug/mL#	98
65) Carbazole	14.79	167	5711739	48.47	ug/mL#	91
66) Di-n-butyl phthalate	15.32	149	9783474	54.19	ug/mL	96
67) Fluoranthene	16.20	202	6594278	40.79	ug/mL#	98
68) Benzidine	16.40	184	2786708	48.71	ug/mL#	95
69) Pyrene	16.53	202	6997094	40.99	ug/mL#	97
71) Benzyl butyl phthalate	17.47	149	4644707	54.80	ug/mL#	89
72) Bis(2-ethylhexyl) phthalat	18.28	149	7537672	50.61	ug/mL#	94
73) Benz (a) anthracene	18.32	228	6634252	31.59	ug/mL	95
74) 3,3-Dichlorobenzidine	18.23	252	3000121	32.09	ug/mL#	98
76) Chrysene	18.32	228	6596868	44.25	ug/mL#	97
77) Di-n-octyl phthalate	19.10	149	11773921	66.29	ug/mL#	95
78) Benzo(b)fluoranthene	19.79	252	6879782	33.21	ug/mL#	71
79) Benzo(k)fluoranthene	19.82	252	7563230	46.47	ug/mL#	56
80) Benzo(a)pyrene	20.28	252	6686449	41.42	ug/mL#	96
81) Indeno(1,2,3-cd)pyrene	22.34	276	8240226m	37.78	ug/mL	
82) Dibenz(a,h)anthracene	22.34	278	7279518m	39.44	ug/mL	
83) Benzo(g,h,i)perylene	22.90	276	6624684m	37.72	ug/mL	

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

```
Data File : C:\HPCHEM\1\DATA\E2003171.D
Acq On : 27 Jul 2005 9:03 pm
Sample : 40 ppm BNA CAL STD
Misc : QBSV2072705A
MS Integration Params: events.e
Quant Time: Jul 28 14:33 19105
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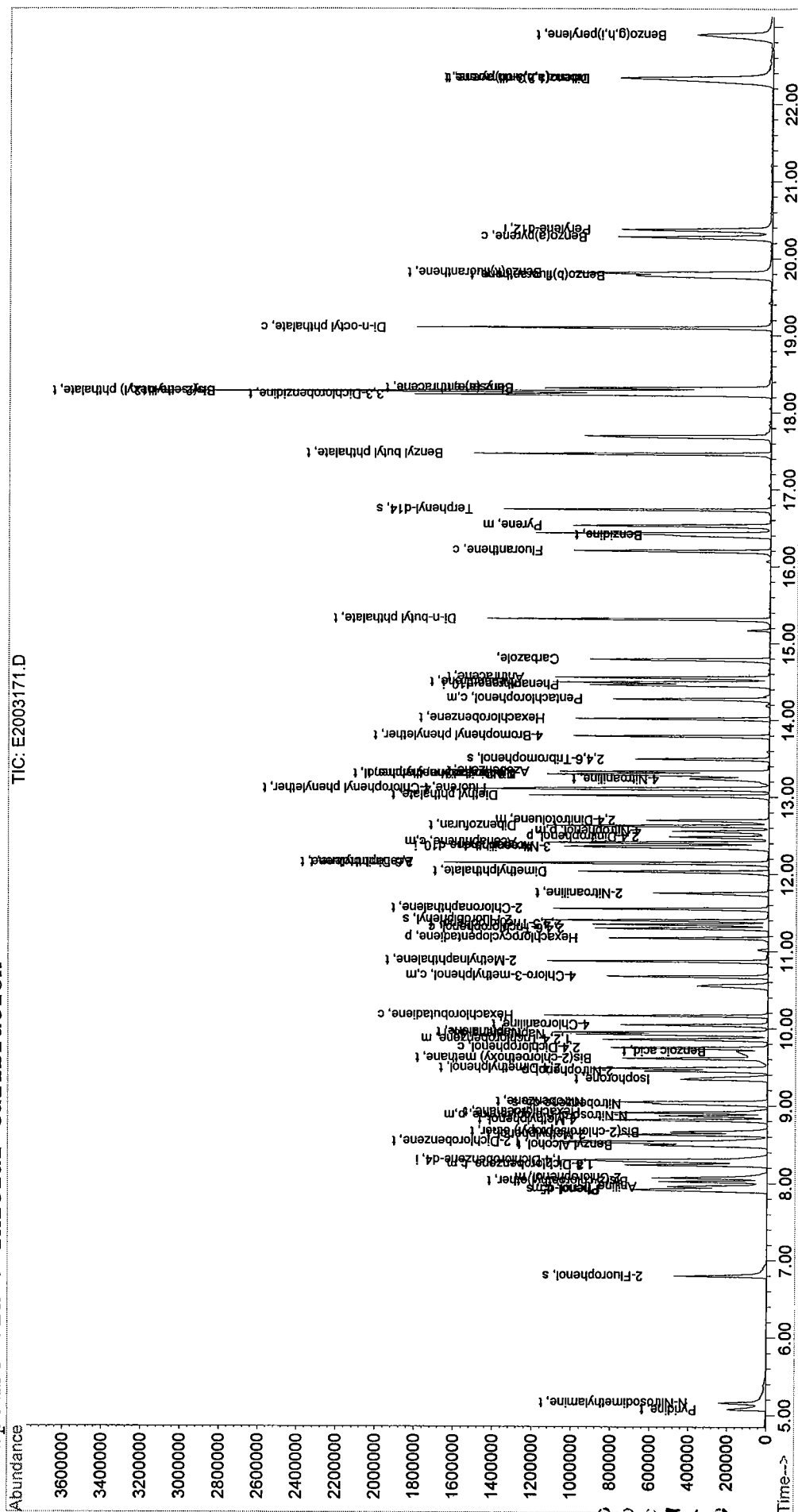
Vial: 15
Operator:
Inst : GCMS BNA
Multiplr: 1.00

Quant Results File: BNA2M24.RES

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Method      : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)
Title       : GC MS BNA 2 Semi Volatiles Calibration
Last Update : Fri Jul 01 11:57:27 2005
Response via : Initial Calibration

```



Data File : C:\HPCHEM\1\DATA\E2003172.D

Vial: 16

Acq On : 27 Jul 2005 9:36 pm

Operator:

Sample : 50 ppm BNA CAL STD

Inst : GCMS BNA

Misc : QBSV2072705A

Multiplr: 1.00

MS Integration Params: events.e

Quant Time: Jul 28 14:42 19105

Quant Results File: BNA2M24.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)

Title : GC MS BNA 2 Semi Volatiles Calibration

Last Update : Fri Jul 01 11:57:27 2005

Response via : Initial Calibration

DataAcq Meth : BNA2M24

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.28	152	1704923	40.00	ug/mL	0.22
21) Naphthalene-d8	9.92	136	6064584	40.00	ug/mL	0.23
35) Acenaphthene-d10	12.36	164	3081607	40.00	ug/mL	0.25
57) Phenanthrene-d10	14.46	188	5215809	40.00	ug/mL	0.24
75) Chrysene-d12	18.28	240	6938587	40.00	ug/mL	0.24
84) Perylene-d12	20.38	264	6327766	40.00	ug/mL	0.32

System Monitoring Compounds

4) 2-Fluorophenol	6.80	112	3031178	84.03	ug/mL	0.19
Spiked Amount	200.000	Range	15 - 87	Recovery	=	42.02%
5) Phenol-d5	7.91	99	3268947	56.96	ug/mL	0.16
Spiked Amount	200.000	Range	10 - 100	Recovery	=	28.48%
19) Nitrobenzene-d5	9.02	82	3548530	62.90	ug/mL	0.20
Spiked Amount	100.000	Range	26 - 120	Recovery	=	62.90%
38) 2-Fluorobiphenyl	11.40	172	5038485	46.89	ug/mL	0.24
Spiked Amount	100.000	Range	29 - 120	Recovery	=	46.89%
59) 2,4,6-Tribromophenol	13.50	330	1341556	36.52	ug/mL	0.23
Spiked Amount	200.000	Range	35 - 126	Recovery	=	18.26%#
70) Terphenyl-d14	16.74	244	6369205	40.02	ug/mL	0.24
Spiked Amount	100.000	Range	35 - 127	Recovery	=	40.02%

Target Compounds

						Qvalue
2) N-Nitrosodimethylamine	5.17	74	2218580m	141.32	ug/mL	
3) Pyridine	5.07	79	3315050m	141.25	ug/mL	
6) Aniline	7.96	93	3803979	63.38	ug/mL#	90
7) Phenol	7.93	94	3656918m	63.07	ug/mL	
8) Bis(2-chloroethyl)ether	8.03	93	3413719	75.94	ug/mL	94
9) 2-Chlorophenol	8.07	128	3233238	68.23	ug/mL	95
10) 1,3-Dichlorobenzene	8.24	146	3104021	56.86	ug/mL	89
11) 1,4-Dichlorobenzene	8.30	146	3586526	53.09	ug/mL	94
12) Benzyl Alcohol	8.49	108	1940505	64.59	ug/mL#	63
13) 1,2-Dichlorobenzene	8.53	146	3080554m	49.07	ug/mL	
14) 2-Methylphenol	8.63	107	2337217	62.91	ug/mL#	91
15) Bis(2-chloroisopropyl) eth	8.66	45	3278201	67.06	ug/mL#	63
16) N-Nitroso-di-n-propylamine	8.87	70	2274605	66.00	ug/mL#	1
17) 4-Methylphenol	8.82	107	3246231	63.07	ug/mL#	47
18) Hexachloroethane	8.91	117	1728144	62.04	ug/mL#	74

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

Data File : C:\HPCHEM\1\DATA\E2003172.D
 Acq On : 27 Jul 2005 9:36 pm
 Sample : 50 ppm BNA CAL STD
 Misc : QBSV2072705A
 MS Integration Params: events.e
 Quant Time: Jul 28 14:42 19105

Vial: 16
 Operator:
 Inst : GCMS BNA
 Multiplr: 1.00

Quant Results File: BNA2M24.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)
 Title : GC MS BNA 2 Semi Volatiles Calibration
 Last Update : Fri Jul 01 11:57:27 2005
 Response via : Initial Calibration
 DataAcq Meth : BNA2M24

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
20) Nitrobenzene	9.05	77	3457250	63.49	ug/mL#	1
22) Isophorone	9.35	82	6253359	70.20	ug/mL	96
23) 2-Nitrophenol	9.45	139	1715355	55.98	ug/mL#	82
24) 2,4-Dimethylphenol	9.49	122	2446969	63.77	ug/mL	97
25) Bis(2-chloroethoxy) methan	9.62	93	3330785	70.26	ug/mL	97
26) Benzoic acid	9.72	105	2492931	93.60	ug/mL	82
27) 2,4-Dichlorophenol	9.75	162	2333058	48.42	ug/mL#	83
28) 1,2,4-Trichlorobenzene	9.86	180	2515813	43.42	ug/mL	96
29) Naphthalene	9.95	128	7411323	50.02	ug/mL#	94
30) 4-Chloroaniline	10.05	127	3303977	57.30	ug/mL	96
31) Hexachlorobutadiene	10.17	225	1793532	38.91	ug/mL	97
32) 4-Chloro-3-methylphenol	10.68	107	2751955	59.59	ug/mL	92
33) 2-Methylnaphthalene	10.87	142	4615730	47.89	ug/mL#	91
34) Hexachlorocyclopentadiene	11.17	237	1724807	147.62	ug/mL#	94
36) 2,4,6-Trichlorophenol	11.30	196	1646926	49.47	ug/mL#	84
37) 2,4,5-Trichlorophenol	11.35	196	1844834	48.43	ug/mL#	86
39) 2-Chloronaphthalene	11.55	162	4551209	54.35	ug/mL#	91
40) 2-Nitroaniline	11.76	138	1960230	70.26	ug/mL#	95
41) Dimethylphthalate	12.04	163	6123422	59.45	ug/mL	99
42) 2,6-Dinitrotoluene	12.15	165	1359480	52.84	ug/mL#	52
43) Acenaphthylene	12.15	152	7115917	53.89	ug/mL#	80
44) 3-Nitroaniline	12.35	138	1465763	55.78	ug/mL#	84
45) Acenaphthene	12.41	154	3981978	52.73	ug/mL	92
46) 2,4-Dinitrophenol	12.49	184	1056067	74.78	ug/mL#	57
47) Dibenzofuran	12.63	168	6371641	51.50	ug/mL	98
48) 2,4-Dinitrotoluene	12.70	165	1964950	60.01	ug/mL#	75
49) 4-Nitrophenol	12.56	65	1592208m	73.86	ug/mL	
50) Diethyl phthalate	13.03	149	6971541	66.58	ug/mL	95
51) Fluorene	13.12	166	5017893	51.05	ug/mL	96
52) 4-Chlorophenyl phenylether	13.11	204	2718963	46.79	ug/mL#	74
53) 4-Nitroaniline	13.25	138	1478172	69.53	ug/mL#	83
54) 4,6-Dinitro-2-methylphenol	13.29	198	1237333	54.29	ug/mL#	77
55) Diphenylamine	13.30	169	3851748	54.98	ug/mL	99
56) N-Nitrosodiphenylamine	13.30	167	1457590	58.09	ug/mL	96
58) Azobenzene	13.33	77	7792334	74.54	ug/mL#	72
60) 4-Bromophenyl phenylether	13.80	248	1800587	41.81	ug/mL#	71
61) Hexachlorobenzene	14.02	142	924859	73.02	ug/mL#	24

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

Data File : C:\HPCHEM\1\DATA\E2003172.D

Vial: 16

Acq On : 27 Jul 2005 9:36 pm

Operator:

Sample : 50 ppm BNA CAL STD

Inst : GCMS BNA

Misc : QBSV2072705A

Multiplr: 1.00

MS Integration Params: events.e

Quant Time: Jul 28 14:42 19105

Quant Results File: BNA2M24.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)

Title : GC MS BNA 2 Semi Volatiles Calibration

Last Update : Fri Jul 01 11:57:27 2005

Response via : Initial Calibration

DataAcq Meth : BNA2M24

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
62) Pentachlorophenol	14.28	266	1547211	55.44	ug/mL	93
63) Phenanthrene	14.50	178	7259582	48.47	ug/mL#	99
64) Anthracene	14.56	178	7566168	55.17	ug/mL#	98
65) Carbazole	14.80	167	6896719	58.22	ug/mL	97
66) Di-n-butyl phthalate	15.32	149	11880102	65.45	ug/mL	96
67) Fluoranthene	16.21	202	8112598	49.92	ug/mL#	97
68) Benzidine	16.40	184	3556629	61.84	ug/mL#	96
69) Pyrene	16.54	202	8489963	49.48	ug/mL#	98
71) Benzyl butyl phthalate	17.47	149	5807980	68.16	ug/mL#	89
72) Bis(2-ethylhexyl) phthalat	18.28	149	9232971	61.67	ug/mL#	94
73) Benz (a) anthracene	18.25	228	9225091m	43.69	ug/mL	
74) 3,3-Dichlorobenzidine	18.24	252	3664075	38.99	ug/mL#	95
76) Chrysene	18.33	228	8304798	53.60	ug/mL#	97
77) Di-n-octyl phthalate	19.11	149	14093170	76.36	ug/mL#	95
78) Benzo(b)fluoranthene	19.79	252	9188240	42.68	ug/mL#	48
79) Benzo(k)fluoranthene	19.82	252	8046308	47.58	ug/mL#	57
80) Benzo(a)pyrene	20.29	252	7759266	46.25	ug/mL#	96
81) Indeno(1,2,3-cd)pyrene	22.36	276	9934976m	43.84	ug/mL	
82) Dibenz(a,h)anthracene	22.35	278	8658379m	45.15	ug/mL	
83) Benzo(g,h,i)perylene	22.91	276	8261027m	45.26	ug/mL	

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

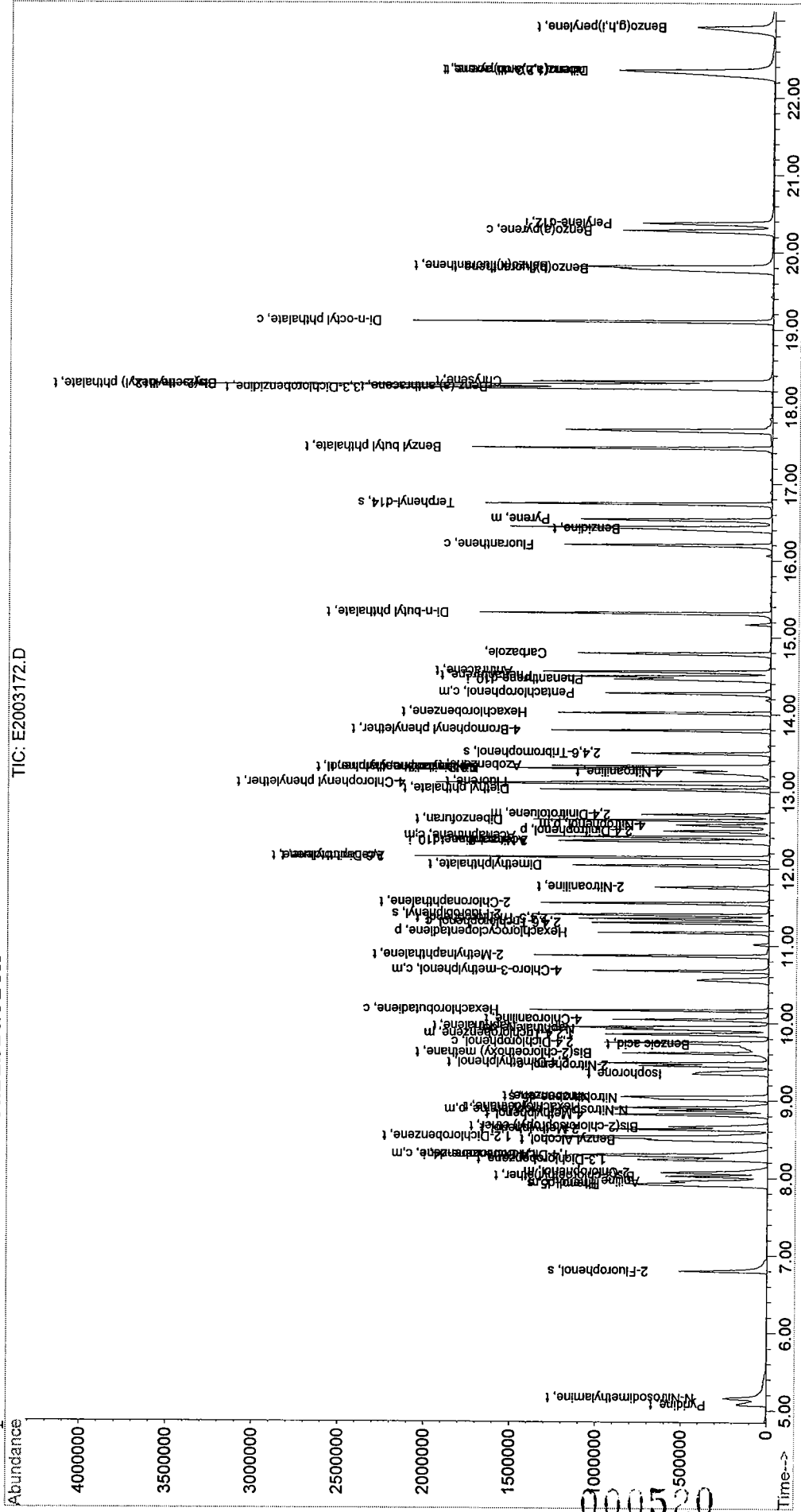
Data File : C:\HPCHEM\1\DATA\E2003172.D
 Acq On : 27 Jul 2005 9:36 pm
 Sample : 50 ppm BNA CAL STD
 Misc : QBSV2072705A
 MS Integration Params: events.e
 Quant Time: Jul 28 14:42 19105

Vial: 16

Operator:
 Inst : GCMS BNA
 Multiplr: 1.00

Quant Results File: BNA2M24.RES

Method : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)
 Title : GC MS BNA 2 Semi Volatiles Calibration
 Last Update : Thu Jul 28 14:39:42 2005
 Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\E2003173.D

Vial: 17

Acq On : 27 Jul 2005 10:08 pm

Operator:

Sample : 80 ppm BNA CAL STD

Inst : GCMS BNA

Misc : QBSV2072705A

Multiplr: 1.00

MS Integration Params: events.e

Quant Time: Jul 28 14:37 19105

Quant Results File: BNA2M24.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)

Title : GC MS BNA 2 Semi Volatiles Calibration

Last Update : Fri Jul 01 11:57:27 2005

Response via : Initial Calibration

DataAcq Meth : BNA2M24

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.28	152	1552295	40.00	ug/mL	0.21
21) Naphthalene-d8	9.92	136	5668580	40.00	ug/mL	0.23
35) Acenaphthene-d10	12.37	164	2817871	40.00	ug/mL	0.25
57) Phenanthrene-d10	14.46	188	4933913	40.00	ug/mL	0.25
75) Chrysene-d12	18.29	240	6992513	40.00	ug/mL	0.25
84) Perylene-d12	20.38	264	5850767	40.00	ug/mL	0.33

System Monitoring Compounds

4) 2-Fluorophenol	6.80	112	3957975m	120.51	ug/mL	0.20
Spiked Amount 200.000	Range 15	- 87	Recovery	=	60.26%	
5) Phenol-d5	7.93	99	4190077	80.18	ug/mL	0.17
Spiked Amount 200.000	Range 10	- 100	Recovery	=	40.09%	
19) Nitrobenzene-d5	9.03	82	4667647	90.87	ug/mL	0.20
Spiked Amount 100.000	Range 26	- 120	Recovery	=	90.87%	
38) 2-Fluorobiphenyl	11.41	172	6768449	68.89	ug/mL	0.24
Spiked Amount 100.000	Range 29	- 120	Recovery	=	68.89%	
59) 2,4,6-Tribromophenol	13.50	330	1841330	52.99	ug/mL	0.24
Spiked Amount 200.000	Range 35	- 126	Recovery	=	26.50%#	
70) Terphenyl-d14	16.75	244	8961312	59.52	ug/mL	0.25
Spiked Amount 100.000	Range 35	- 127	Recovery	=	59.52%	

Target Compounds

						Qvalue
2) N-Nitrosodimethylamine	5.16	74	3021538m	211.40	ug/mL	
3) Pyridine	5.07	79	4899652m	229.30	ug/mL	
6) Aniline	7.96	93	4869899	89.12	ug/mL#	2
7) Phenol	7.94	94	4516826	85.56	ug/mL#	1
8) Bis(2-chloroethyl)ether	8.03	93	4856927	118.67	ug/mL	96
9) 2-Chlorophenol	8.07	128	4328939	100.33	ug/mL	96
10) 1,3-Dichlorobenzene	8.24	146	4065402	81.80	ug/mL	90
11) 1,4-Dichlorobenzene	8.30	146	4830717	78.54	ug/mL#	91
12) Benzyl Alcohol	8.50	108	2385041	87.19	ug/mL#	58
13) 1,2-Dichlorobenzene	8.54	146	4179193	73.12	ug/mL	93
14) 2-Methylphenol	8.63	107	3061710	90.51	ug/mL#	82
15) Bis(2-chloroisopropyl) eth	8.67	45	4255702	95.61	ug/mL#	64
16) N-Nitroso-di-n-propylamine	8.88	70	2985705	95.15	ug/mL#	1
17) 4-Methylphenol	8.83	107	4431505	94.56	ug/mL#	47
18) Hexachloroethane	8.91	117	2340284	92.27	ug/mL#	77

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

E2003173.D BNA2M24.M Thu Jul 28 14:37:39 2005

000521 Page 1

Data File : C:\HPCHEM\1\DATA\E2003173.D

Vial: 17

Acq On : 27 Jul 2005 10:08 pm

Operator:

Sample : 80 ppm BNA CAL STD

Inst : GCMS BNA

Misc : QBSV2072705A

Multiplr: 1.00

MS Integration Params: events.e

Quant Time: Jul 28 14:37 19105

Quant Results File: BNA2M24.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)

Title : GC MS BNA 2 Semi Volatiles Calibration

Last Update : Fri Jul 01 11:57:27 2005

Response via : Initial Calibration

DataAcq Meth : BNA2M24

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
20) Nitrobenzene	9.06	77	4670482	94.20	ug/mL#	1
22) Isophorone	9.39	82	8377965	100.62	ug/mL#	88
23) 2-Nitrophenol	9.45	139	2412086	84.22	ug/mL#	83
24) 2,4-Dimethylphenol	9.50	122	3240849	90.35	ug/mL	98
25) Bis(2-chloroethoxy) methan	9.62	93	4223674	95.32	ug/mL	97
26) Benzoic acid	9.76	105	3369848m	135.36	ug/mL	
27) 2,4-Dichlorophenol	9.76	162	3137797	69.67	ug/mL#	81
28) 1,2,4-Trichlorobenzene	9.86	180	3327444	61.44	ug/mL#	96
29) Naphthalene	9.95	128	9862018	71.20	ug/mL#	94
30) 4-Chloroaniline	10.05	127	4323693	80.22	ug/mL	97
31) Hexachlorobutadiene	10.17	225	2448379	56.83	ug/mL	98
32) 4-Chloro-3-methylphenol	10.68	107	3745920	86.78	ug/mL	88
33) 2-Methylnaphthalene	10.88	142	6098791	67.69	ug/mL#	89
34) Hexachlorocyclopentadiene	11.18	237	2391969	219.02	ug/mL#	96
36) 2,4,6-Trichlorophenol	11.31	196	2290320	75.24	ug/mL#	86
37) 2,4,5-Trichlorophenol	11.36	196	2494363	71.61	ug/mL#	87
39) 2-Chloronaphthalene	11.56	162	6032379	78.79	ug/mL#	90
40) 2-Nitroaniline	11.77	138	2592998	101.64	ug/mL#	92
41) Dimethylphthalate	12.05	163	8156970	86.61	ug/mL	99
42) 2,6-Dinitrotoluene	12.16	165	1977977	84.07	ug/mL#	56
43) Acenaphthylene	12.15	152	9468592	78.41	ug/mL#	86
44) 3-Nitroaniline	12.36	138	2009123	83.62	ug/mL	87
45) Acenaphthene	12.42	154	5549174	80.36	ug/mL	98
46) 2,4-Dinitrophenol	12.50	184	1388810	107.54	ug/mL#	52
47) Dibenzofuran	12.64	168	8574051	75.78	ug/mL	98
48) 2,4-Dinitrotoluene	12.72	165	2754936	92.01	ug/mL#	79
49) 4-Nitrophenol	12.58	65	2247985m	114.04	ug/mL	
50) Diethyl phthalate	13.04	149	9388858	98.05	ug/mL	97
51) Fluorene	13.13	166	7112649	79.14	ug/mL	97
52) 4-Chlorophenyl phenylether	13.11	204	3768644	70.92	ug/mL#	74
53) 4-Nitroaniline	13.27	138	2075038	106.73	ug/mL#	86
54) 4,6-Dinitro-2-methylphenol	13.31	198	1791913	85.98	ug/mL#	76
55) Diphenylamine	13.31	169	5132751	80.12	ug/mL	95
56) N-Nitrosodiphenylamine	13.31	167	2015543	87.85	ug/mL	93
58) Azobenzene	13.34	77	10339929	104.57	ug/mL#	70
60) 4-Bromophenyl phenylether	13.80	248	2437986	59.85	ug/mL#	71
61) Hexachlorobenzene	14.03	142	1306722	109.06	ug/mL#	21

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

Data File : C:\HPCHEM\1\DATA\E2003173.D

Vial: 17

Acq On : 27 Jul 2005 10:08 pm

Operator:

Sample : 80 ppm BNA CAL STD

Inst : GCMS BNA

Misc : QBSV2072705A

Multiplr: 1.00

MS Integration Params: events.e

Quant Time: Jul 28 14:37 19105

Quant Results File: BNA2M24.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)

Title : GC MS BNA 2 Semi Volatiles Calibration

Last Update : Fri Jul 01 11:57:27 2005

Response via : Initial Calibration

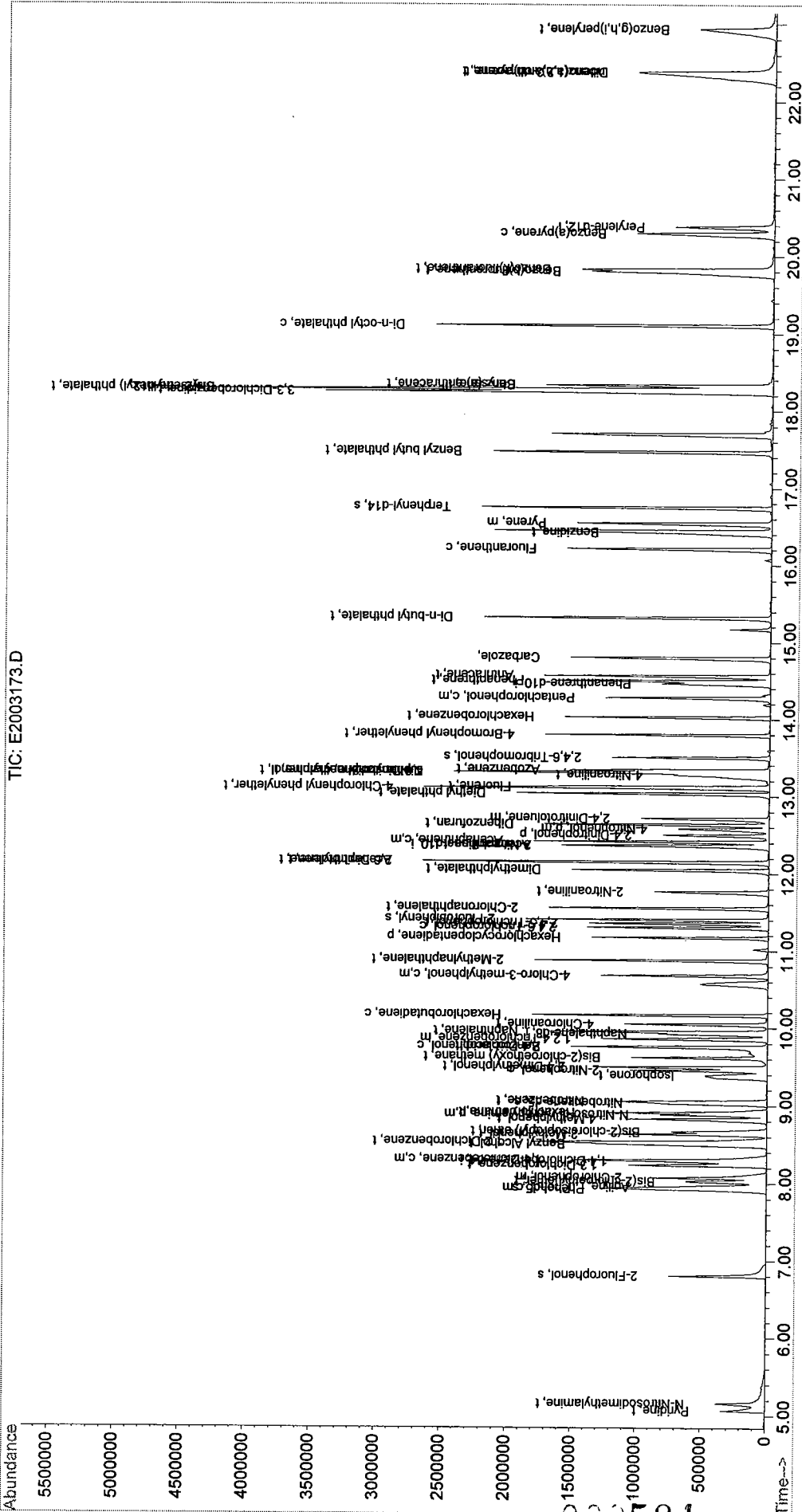
DataAcq Meth : BNA2M24

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
62) Pentachlorophenol	14.28	266	2061260	78.08	ug/mL	86
63) Phenanthrene	14.50	178	9861398	69.60	ug/mL#	98
64) Anthracene	14.57	178	10223712	78.80	ug/mL#	97
65) Carbazole	14.80	167	9457140	84.39	ug/mL#	93
66) Di-n-butyl phthalate	15.32	149	16054294	93.51	ug/mL#	95
67) Fluoranthene	16.21	202	11293959m	73.46	ug/mL	
68) Benzidine	16.42	184	4601116	84.58	ug/mL#	97
69) Pyrene	16.55	202	11895436	73.29	ug/mL#	98
71) Benzyl butyl phthalate	17.47	149	7787693	96.62	ug/mL#	88
72) Bis(2-ethylhexyl) phthalat	18.28	149	13250729	93.57	ug/mL#	95
73) Benz (a) anthracene	18.34	228	11363366	56.90	ug/mL	96
74) 3,3-Dichlorobenzidine	18.25	252	5797218	65.21	ug/mL#	98
76) Chrysene	18.34	228	11350394	72.69	ug/mL#	97
77) Di-n-octyl phthalate	19.11	149	19661449	105.71	ug/mL#	95
78) Benzo(b)fluoranthene	19.81	252	15185042	69.98	ug/mL#	52
79) Benzo(k)fluoranthene	19.83	252	10988034m	64.47	ug/mL	
80) Benzo(a)pyrene	20.30	252	11160352	66.01	ug/mL#	97
81) Indeno(1,2,3-cd)pyrene	22.38	276	13929661m	60.99	ug/mL	
82) Dibenz(a,h)anthracene	22.37	278	12314309m	63.71	ug/mL	
83) Benzo(g,h,i)perylene	22.94	276	11526668m	62.67	ug/mL	

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

00000000000000000000000000000000

Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\E2003174.D

Vial: 18

Acq On : 27 Jul 2005 10:40 pm

Operator:

Sample : 100 ppm BNA CAL STD

Inst : GCMS BNA

Misc : QBSV2072705A

Multiplr: 1.00

MS Integration Params: events.e

Quant Time: Jul 28 14:39 19105

Quant Results File: BNA2M24.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)

Title : GC MS BNA 2 Semi Volatiles Calibration

Last Update : Fri Jul 01 11:57:27 2005

Response via : Initial Calibration

DataAcq Meth : BNA2M24

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.28	152	1782572	40.00	ug/mL	0.22
21) Naphthalene-d8	9.93	136	6603897	40.00	ug/mL	0.23
35) Acenaphthene-d10	12.37	164	3328067	40.00	ug/mL	0.25
57) Phenanthrene-d10	14.47	188	5702805	40.00	ug/mL	0.26
75) Chrysene-d12	18.30	240	8497229	40.00	ug/mL	0.26
84) Perylene-d12	20.40	264	7107422	40.00	ug/mL	0.34

System Monitoring Compounds

4) 2-Fluorophenol	6.81	112	5447425m	144.43	ug/mL	0.20
Spiked Amount	200.000	Range	15 - 87	Recovery	=	72.22%
5) Phenol-d5	7.94	99	5730869	95.50	ug/mL	0.18
Spiked Amount	200.000	Range	10 - 100	Recovery	=	47.75%
19) Nitrobenzene-d5	9.04	82	6689955	113.42	ug/mL	0.21
Spiked Amount	100.000	Range	26 - 120	Recovery	=	113.42%
38) 2-Fluorobiphenyl	11.42	172	10288869	88.67	ug/mL	0.25
Spiked Amount	100.000	Range	29 - 120	Recovery	=	88.67%
59) 2,4,6-Tribromophenol	13.51	330	2762916	68.79	ug/mL	0.25
Spiked Amount	200.000	Range	35 - 126	Recovery	=	34.40%#
70) Terphenyl-d14	16.76	244	13706088	78.76	ug/mL	0.25
Spiked Amount	100.000	Range	35 - 127	Recovery	=	78.76%

Target Compounds

						Qvalue
2) N-Nitrosodimethylamine	5.17	74	4255530m	259.27	ug/mL	
3) Pyridine	5.08	79	6865940m	279.81	ug/mL	
6) Aniline	7.97	93	6743864	107.47	ug/mL#	1
7) Phenol	7.96	94	6035518	99.55	ug/mL#	1
8) Bis(2-chloroethyl) ether	8.03	93	6656252	141.62	ug/mL	96
9) 2-Chlorophenol	8.08	128	6114288	123.40	ug/mL	97
10) 1,3-Dichlorobenzene	8.24	146	5982209	104.82	ug/mL	90
11) 1,4-Dichlorobenzene	8.31	146	6517617	92.28	ug/mL#	90
12) Benzyl Alcohol	8.52	108	3318674	105.65	ug/mL#	51
13) 1,2-Dichlorobenzene	8.31	146	6513240	99.24	ug/mL	95
14) 2-Methylphenol	8.64	107	4229101	108.87	ug/mL#	68
15) Bis(2-chloroisopropyl) eth	8.67	45	5565032	108.87	ug/mL	93
16) N-Nitroso-di-n-propylamine	8.90	70	4135453	114.77	ug/mL#	1
17) 4-Methylphenol	8.84	107	6446905m	119.79	ug/mL	
18) Hexachloroethane	8.91	117	3396980	116.63	ug/mL#	82

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

Data File : C:\HPCHEM\1\DATA\E2003174.D
Acq On : 27 Jul 2005 10:40 pm
Sample : 100 ppm BNA CAL STD
Misc : QBSV2072705A
MS Integration Params: events.e
Quant Time: Jul 28 14:39 19105

Vial: 18
Operator:
Inst : GCMS BNA
Multiplr: 1.00

Quant Results File: BNA2M24.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)
Title : GC MS BNA 2 Semi Volatiles Calibration
Last Update : Fri Jul 01 11:57:27 2005
Response via : Initial Calibration
DataAcq Meth : BNA2M24

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
20) Nitrobenzene	9.07	77	6578284	115.54	ug/mL#	1
22) Isophorone	9.42	82	12201121	125.79	ug/mL#	83
23) 2-Nitrophenol	9.46	139	3465631	103.87	ug/mL#	73
24) 2,4-Dimethylphenol	9.51	122	4580357	109.61	ug/mL	95
25) Bis(2-chloroethoxy) methan	9.63	93	6064162	117.48	ug/mL	97
26) Benzoic acid	9.81	105	5486640m	189.18	ug/mL	
27) 2,4-Dichlorophenol	9.77	162	4580308	87.30	ug/mL#	83
28) 1,2,4-Trichlorobenzene	9.87	180	4874860	77.26	ug/mL#	95
29) Naphthalene	9.96	128	14076000	87.23	ug/mL#	91
30) 4-Chloroaniline	10.06	127	6344053	101.03	ug/mL	95
31) Hexachlorobutadiene	10.17	225	3728652	74.29	ug/mL	98
32) 4-Chloro-3-methylphenol	10.70	107	5537209	110.11	ug/mL	90
33) 2-Methylnaphthalene	10.88	142	9340663m	88.99	ug/mL	
34) Hexachlorocyclopentadiene	11.18	237	3816411	299.95	ug/mL#	95
36) 2,4,6-Trichlorophenol	11.32	196	3716131	103.36	ug/mL#	85
37) 2,4,5-Trichlorophenol	11.37	196	3416724	83.06	ug/mL#	86
39) 2-Chloronaphthalene	11.56	162	8962010	99.10	ug/mL#	91
40) 2-Nitroaniline	11.78	138	3667092	121.70	ug/mL#	87
41) Dimethylphthalate	12.07	163	12169588m	109.41	ug/mL	
42) 2,6-Dinitrotoluene	12.17	165	3031682	109.10	ug/mL#	59
43) Acenaphthylene	12.16	152	14440685	101.25	ug/mL#	84
44) 3-Nitroaniline	12.38	138	2966436	104.53	ug/mL	87
45) Acenaphthene	12.43	154	8324874	102.08	ug/mL	97
46) 2,4-Dinitrophenol	12.52	184	2182140	143.07	ug/mL#	51
47) Dibenzofuran	12.65	168	12569754	94.07	ug/mL	99
48) 2,4-Dinitrotoluene	12.73	165	3417142	96.63	ug/mL#	73
49) 4-Nitrophenol	12.60	65	3329323m	143.01	ug/mL	
50) Diethyl phthalate	13.05	149	13852989	122.49	ug/mL	95
51) Fluorene	13.14	166	11144127	104.99	ug/mL	98
52) 4-Chlorophenyl phenylether	13.12	204	6112988	97.40	ug/mL#	76
53) 4-Nitroaniline	13.30	138	2956740m	128.77	ug/mL	
54) 4,6-Dinitro-2-methylphenol	13.33	198	2894044	117.58	ug/mL#	67
55) Diphenylamine	13.33	169	8254423	109.09	ug/mL	96
56) N-Nitrosodiphenylamine	13.33	167	3170338	117.00	ug/mL	96
58) Azobenzene	13.35	77	15426700	134.98	ug/mL#	64
60) 4-Bromophenyl phenylether	13.80	248	4369341m	92.79	ug/mL	
61) Hexachlorobenzene	14.03	142	1884017	136.04	ug/mL#	24

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

Data File : C:\HPCHEM\1\DATA\E2003174.D
Acq On : 27 Jul 2005 10:40 pm
Sample : 100 ppm BNA CAL STD
Misc : QBSV2072705A

Vial: 18
Operator:
Inst : GCMS BNA
Multiplr: 1.00

MS Integration Params: events.e

Quant Time: Jul 28 14:39 19105

Quant Results File: BNA2M24.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)
Title : GC MS BNA 2 Semi Volatiles Calibration
Last Update : Fri Jul 01 11:57:27 2005
Response via : Initial Calibration
DataAcq Meth : BNA2M24

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
62) Pentachlorophenol	14.29	266	3185488	104.39	ug/mL	93
63) Phenanthrene	14.51	178	14862182	90.75	ug/mL#	98
64) Anthracene	14.58	178	15169620	101.16	ug/mL#	98
65) Carbazole	14.81	167	14010734m	108.17	ug/mL	
66) Di-n-butyl phthalate	15.33	149	23872150	120.29	ug/mL	96
67) Fluoranthene	16.22	202	16546316	93.12	ug/mL#	97
68) Benzidine	16.44	184	7329972	116.57	ug/mL#	96
69) Pyrene	16.56	202	17778331	94.77	ug/mL#	98
71) Benzyl butyl phthalate	17.48	149	11636559	124.91	ug/mL#	89
72) Bis(2-ethylhexyl) phthalat	18.29	149	23460147	143.33	ug/mL#	95
73) Benz (a) anthracene	18.35	228	17819248	77.19	ug/mL	96
74) 3,3-Dichlorobenzidine	18.27	252	9520518	92.65	ug/mL#	98
76) Chrysene	18.35	228	17802768	93.83	ug/mL#	98
77) Di-n-octyl phthalate	19.12	149	30932105	136.86	ug/mL#	95
78) Benzo(b)fluoranthene	19.82	252	26503029	100.52	ug/mL#	77
79) Benzo(k)fluoranthene	19.85	252	12565522m	60.67	ug/mL	
80) Benzo(a)pyrene	20.32	252	16293283	79.30	ug/mL#	97
81) Indeno(1,2,3-cd)pyrene	22.42	276	21286390m	76.70	ug/mL	
82) Dibenz(a,h)anthracene	22.40	278	18893576m	80.44	ug/mL	
83) Benzo(g,h,i)perylene	22.98	276	17697262m	79.18	ug/mL	

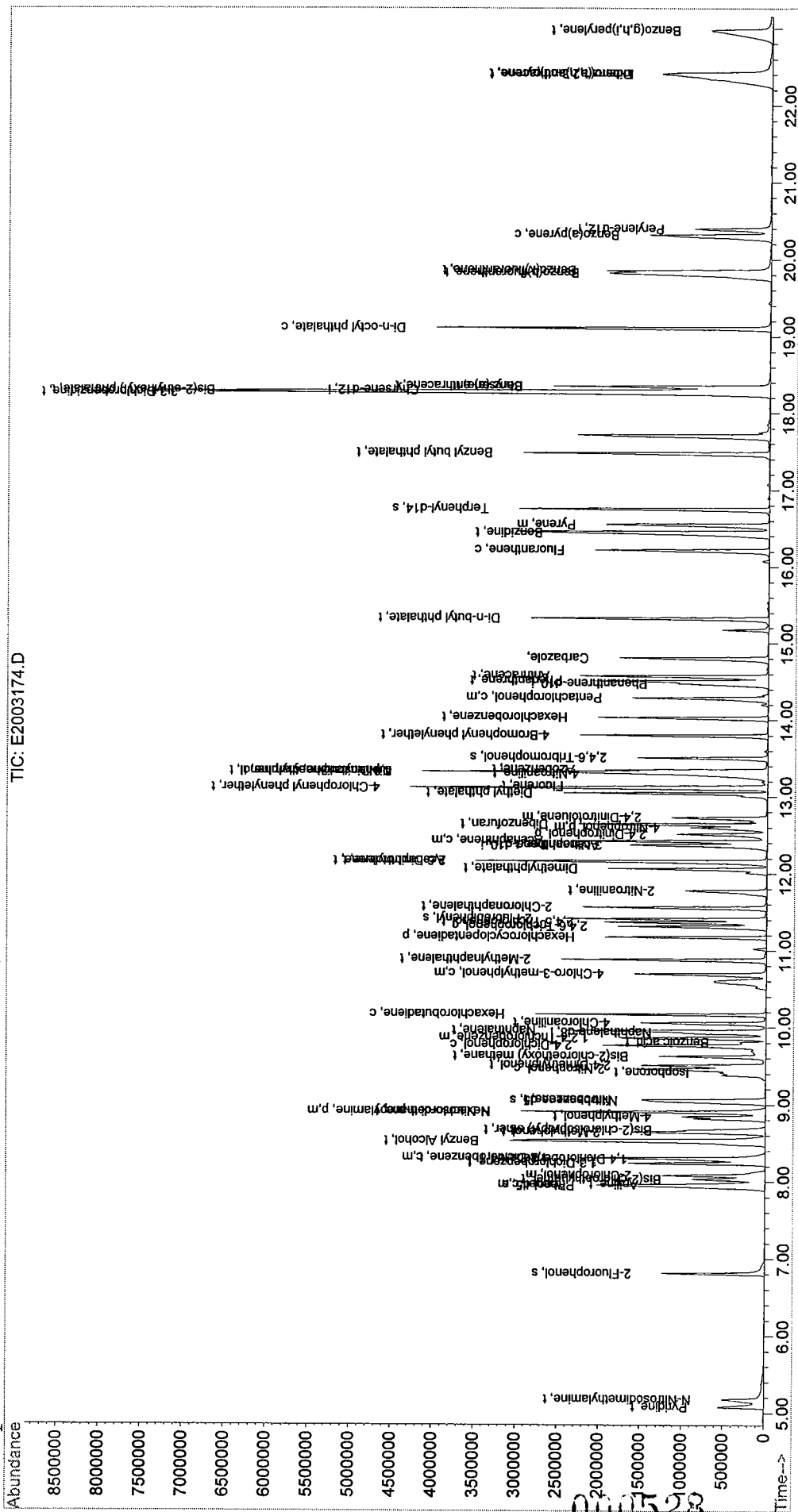
(#) = qualifier out of range (m) = manual integration

100

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Method      : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)
Title       : GC MS BNA 2 Semi Volatiles Calibration
Last Update : Fri Jul 01 11:57:27 2005
Response via : Initial Calibration

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Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\E2003987.D

Vial: 1

Acq On : 23 Aug 2005 4:56 pm

Operator: SW

Sample : 50 ppm BNA CAL CHECK STD

Inst : GCMS BNA

Misc : QBSV2082305A

Multiplr: 1.00

MS Integration Params: events.e

Method : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)

Title : GC MS BNA 2 Semi Volatiles Calibration

Last Update : Thu Jul 28 14:39:42 2005

Response via : Multiple Level Calibration

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

Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 i	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	91	-0.27
2 t	N-Nitrosodimethylamine	0.996	1.019	-2.3	89	-0.42
3 t	Pyridine	1.562	1.683	-7.7	98	-0.45
4 s	2-Fluorophenol	1.358	1.486	-9.4	95	-0.26
5 s	Phenol-d5	1.517	1.555	-2.5	92	-0.22
6 t	Aniline	1.742	1.794	-3.0	91	-0.27
7 c,m	Phenol	1.674	1.791	-7.0#	95	-0.22
8 t	Bis(2-chloroethyl) ether	1.633	1.783	-9.2	101	-0.27
9 m	2-Chlorophenol	1.489	1.613	-8.3	97	-0.26
10 t	1,3-Dichlorobenzene	1.453	1.594	-9.7	100	-0.27
11 c,m	1,4-Dichlorobenzene	1.602	1.766	-10.2#	95	-0.27
12 t	Benzyl Alcohol	0.870	0.893	-2.6	89	-0.25
13 t	1,2-Dichlorobenzene	1.470	1.562	-6.3	98	-0.27
14 t	2-Methylphenol	1.066	1.108	-3.9	92	-0.24
15 t	Bis(2-chloroisopropyl) ethe	1.516	1.482	2.2	88	-0.27
16 p,m	N-Nitroso-di-n-propylamine	1.051	1.181	-12.4	101	-0.27
17 t	4-Methylphenol	1.566	1.590	-1.5	95	-0.24
18 t	Hexachloroethane	0.789	0.928	-17.6	104	-0.28
19 s	Nitrobenzene-d5	1.631	1.567	3.9	86	-0.27
20 t	Nitrobenzene	1.591	1.877	-18.0	105	-0.27
21 i	Naphthalene-d8	1.000	1.000	0.0	94	-0.28
22 t	Isophorone	0.796	0.878	-10.3	100	-0.27
23 c	2-Nitrophenol	0.223	0.241	-8.1#	101	-0.27
24 t	2,4-Dimethylphenol	0.314	0.304	3.2	89	-0.24
25 t	Bis(2-chloroethoxy) methane	0.433	0.444	-2.5	95	-0.27
26 t	Benzoic acid	0.306	0.327	-6.9	94	-0.20
27 c	2,4-Dichlorophenol	0.307	0.316	-2.9#	97	-0.25
28 m	1,2,4-Trichlorobenzene	0.330	0.352	-6.7	100	-0.28
29 t	Naphthalene	0.988	1.021	-3.3	99	-0.28
30 t	4-Chloroaniline	0.427	0.461	-8.0	100	-0.27
31 c	Hexachlorobutadiene	0.232	0.265	-14.2#	106	-0.29
32 c,m	4-Chloro-3-methylphenol	0.358	0.373	-4.2#	97	-0.25
33 t	2-Methylnaphthalene	0.609	0.655	-7.6	101	-0.28
34 p	Hexachlorocyclopentadiene	0.219	0.138	37.0#	57	-0.29
35 i	Acenaphthene-d10	1.000	1.000	0.0	96	-0.29

(#) = Out of Range

E2003987.D BNA2M24.M

Wed Aug 24 10:22:58 2005

000529

Page 1

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\E2003987.D

Vial: 1

Acq On : 23 Aug 2005 4:56 pm

Operator: SW

Sample : 50 ppm BNA CAL CHECK STD

Inst : GCMS BNA

Misc : QBSV2082305A

Multiplr: 1.00

MS Integration Params: events.e

Method : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)

Title : GC MS BNA 2 Semi Volatiles Calibration

Last Update : Thu Jul 28 14:39:42 2005

Response via : Multiple Level Calibration

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

Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36 c	2,4,6-Trichlorophenol	0.432	0.437	-1.2#	98	-0.27
37 t	2,4,5-Trichlorophenol	0.459	0.482	-5.0	96	-0.26
38 s	2-Fluorobiphenyl	1.301	1.143	12.1	84	-0.29
39 t	2-Chloronaphthalene	1.182	1.258	-6.4	102	-0.28
40 t	2-Nitroaniline	0.485	0.523	-7.8	98	-0.27
41 t	Dimethylphthalate	1.568	1.635	-4.3	99	-0.28
42 t	2,6-Dinitrotoluene	0.353	0.406	-15.0	110	-0.27
43 t	Acenaphthylene	1.841	1.899	-3.2	98	-0.29
44 t	3-Nitroaniline	0.376	0.402	-6.9	101	-0.27
45 c,m	Acenaphthene	1.058	1.118	-5.7#	104	-0.29
46 p	2,4-Dinitrophenol	0.254	0.249	2.0	87	-0.26
47 t	Dibenzofuran	1.621	1.725	-6.4	100	-0.28
48 m	2,4-Dinitrotoluene	0.489	0.530	-8.4	100	-0.26
49 p,m	4-Nitrophenol	0.410	0.444	-8.3	103	-0.22
50 t	Diethyl phthalate	1.786	1.857	-4.0	98	-0.28
51 t	Fluorene	1.324	1.405	-6.1	103	-0.28
52 t	4-Chlorophenyl phenylether	0.696	0.713	-2.4	97	-0.28
53 t	4-Nitroaniline	0.381	0.423	-11.0	106	-0.26
54 t	4,6-Dinitro-2-methylphenol	0.325	0.345	-6.2	103	-0.26
55 c	Diphenylamine	0.992	1.009	-1.7#	97	-0.28
56 t	N-Nitrosodiphenylamine	0.366	0.374	-2.2	95	-0.28
57 i	Phenanthrene-d10	1.000	1.000	0.0	91	-0.28
58 t	Azobenzene	1.118	1.401	-25.3#	106	-0.28
59 s	2,4,6-Tribromophenol	0.198	0.236	-19.2	104	-0.28
60 t	4-Bromophenyl phenylether	0.273	0.292	-7.0	96	-0.28
61 t	Hexachlorobenzene	0.139	0.169	-21.6	108	-0.28
62 c,m	Pentachlorophenol	0.223	0.188	15.7#	72	-0.26
63 t	Phenanthrene	1.105	1.180	-6.8	96	-0.28
64 t	Anthracene	1.131	1.239	-9.5	97	-0.28
65	Carbazole	1.023	1.138	-11.2	97	-0.27
66 t	Di-n-butyl phthalate	1.764	1.930	-9.4	96	-0.28
67 c	Fluoranthene	1.205	1.265	-5.0#	92	-0.28
68 t	Benzidine	0.468	0.423	9.6	70	-0.28
69 m	Pyrene	1.272	1.328	-4.4	92	-0.28
70 s	Terphenyl-d14	0.940	0.798	15.1	74	-0.28
71 t	Benzyl butyl phthalate	0.849	0.858	-1.1	87	-0.28

(#) = Out of Range

E2003987.D BNA2M24.M

Wed Aug 24 10:22:59 2005

000530 Page 2

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\E2003987.D

Vial: 1

Acq On : 23 Aug 2005 4:56 pm

Operator: SW

Sample : 50 ppm BNA CAL CHECK STD

Inst : GCMS BNA

Misc : QBSV2082305A

Multiplr: 1.00

MS Integration Params: events.e

Method : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)

Title : GC MS BNA 2 Semi Volatiles Calibration

Last Update : Thu Jul 28 14:39:42 2005

Response via : Multiple Level Calibration

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

Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
72 t	Bis(2-ethylhexyl) phthalate	1.386	1.493	-7.7	95	-0.28
73 t	Benz (a) anthracene	1.286	1.492	-16.0	96	-0.28
74 t	3,3-Dichlorobenzidine	0.530	0.652	-23.0	105	-0.27
75 i	Chrysene-d12	1.000	1.000	0.0	89	-0.28
76 t	Chrysene	0.927	0.953	-2.8	89	-0.27
77 c	Di-n-octyl phthalate	1.620	1.660	-2.5#	91	-0.28
78 t	Benzo(b)fluoranthene	1.088	1.255	-15.3	106	-0.30
79 t	Benzo(k)fluoranthene	0.944	0.841	10.9	81	-0.31
80 c	Benzo(a)pyrene	0.896	0.962	-7.4#	96	-0.33
81 t	Indeno(1,2,3-cd)pyrene	1.114	1.295	-16.2	101	-0.44
82 t	Dibenz(a,h)anthracene	0.969	1.074	-10.8	96	-0.45
83 t	Benzo(g,h,i)perylene	0.911	1.013	-11.2	95	-0.47
84 i	Perylene-d12	1.000	1.000	0.0	92	-0.34

(#) = Out of Range

SPCC's out = 0 CCC's out = 13

E2003987.D BNA2M24.M

Wed Aug 24 10:22:59 2005

Page 3

000531

Data File : C:\HPCHEM\1\DATA\E2003987.D
 Acq On : 23 Aug 2005 4:56 pm
 Sample : 50 ppm BNA CAL CHECK STD
 Misc : QBSV2082305A
 MS Integration Params: events.e
 Quant Time: Aug 24 10:20 19105

Vial: 1
 Operator: SW
 Inst : GCMS BNA
 Multiplr: 1.00

Quant Results File: BNA2M24.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)
 Title : GC MS BNA 2 Semi Volatiles Calibration
 Last Update : Thu Jul 28 14:39:42 2005
 Response via : Initial Calibration
 DataAcq Meth : BNA2M24

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	1551354	40.00	ug/mL	-0.27
21) Naphthalene-d8	9.65	136	5723540	40.00	ug/mL	-0.28
35) Acenaphthene-d10	12.08	164	2951336	40.00	ug/mL	-0.29
57) Phenanthrene-d10	14.18	188	4724349	40.00	ug/mL	-0.28
75) Chrysene-d12	18.01	240	6191040	40.00	ug/mL	-0.28
84) Perylene-d12	20.04	264	5808329	40.00	ug/mL	-0.34

System Monitoring Compounds

4) 2-Fluorophenol	6.54	112	2882546m	54.72	ug/mL	-0.26
Spiked Amount 200.000	Range 15	- 87	Recovery	=	27.36%	
5) Phenol-d5	7.69	99	3014988	51.24	ug/mL	-0.22
Spiked Amount 200.000	Range 10	- 100	Recovery	=	25.62%	
19) Nitrobenzene-d5	8.76	82	3038074	48.04	ug/mL	-0.27
Spiked Amount 100.000	Range 26	- 120	Recovery	=	48.04%	
38) 2-Fluorobiphenyl	11.12	172	4216110	43.91	ug/mL	-0.29
Spiked Amount 100.000	Range 29	- 120	Recovery	=	43.91%	
59) 2,4,6-Tribromophenol	13.22	330	1394548	59.55	ug/mL	-0.28
Spiked Amount 200.000	Range 35	- 126	Recovery	=	29.78%#	
70) Terphenyl-d14	16.46	244	4715244	42.48	ug/mL	-0.28
Spiked Amount 100.000	Range 35	- 127	Recovery	=	42.48%	

Target Compounds

						Qvalue
2) N-Nitrosodimethylamine	4.75	74	1975114m	51.13	ug/mL	
3) Pyridine	4.62	79	3263820m	53.89	ug/mL	
6) Aniline	7.69	93	3478091	51.47	ug/mL#	1
7) Phenol	7.71	94	3473382	53.50	ug/mL#	5
8) Bis(2-chloroethyl) ether	7.76	93	3457295	54.58	ug/mL	93
9) 2-Chlorophenol	7.82	128	3128881	54.17	ug/mL	96
10) 1,3-Dichlorobenzene	7.96	146	3090623	54.85	ug/mL	99
11) 1,4-Dichlorobenzene	8.03	146	3425069	55.13	ug/mL	98
12) Benzyl Alcohol	8.24	108	1731622	51.30	ug/mL#	85
13) 1,2-Dichlorobenzene	8.26	146	3029675	53.13	ug/mL	92
14) 2-Methylphenol	8.39	107	2149071m	51.97	ug/mL	
15) Bis(2-chloroisopropyl) eth	8.40	45	2874382	48.89	ug/mL#	54
16) N-Nitroso-di-n-propylamine	8.61	70	2291029	56.21	ug/mL	92
17) 4-Methylphenol	8.59	107	3083316	50.75	ug/mL	95
18) Hexachloroethane	8.63	117	1800504	58.83	ug/mL	96

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

Data File : C:\HPCHEM\1\DATA\E2003987.D
Acq On : 23 Aug 2005 4:56 pm
Sample : 50 ppm BNA CAL CHECK STD
Misc : QBSV2082305A
MS Integration Params: events.e
Quant Time: Aug 24 10:20 19105

Vial: 1
Operator: SW
Inst : GCMS BNA
Multiplr: 1.00

Quant Results File: BNA2M24.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)
Title : GC MS BNA 2 Semi Volatiles Calibration
Last Update : Thu Jul 28 14:39:42 2005
Response via : Initial Calibration
DataAcq Meth : BNA2M24

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
20) Nitrobenzene	8.79	77	3640346	59.00	ug/mL	97
22) Isophorone	9.08	82	6280069	55.14	ug/mL#	91
23) 2-Nitrophenol	9.18	139	1726055	53.98	ug/mL	97
24) 2,4-Dimethylphenol	9.24	122	2174885	48.36	ug/mL	90
25) Bis(2-chloroethoxy) methan	9.35	93	3179775	51.28	ug/mL	94
26) Benzoic acid	9.52	105	2341642	53.50	ug/mL	88
27) 2,4-Dichlorophenol	9.50	162	2263872	51.58	ug/mL	95
28) 1,2,4-Trichlorobenzene	9.58	180	2519922	53.34	ug/mL	98
29) Naphthalene	9.67	128	7308002	51.68	ug/mL#	98
30) 4-Chloroaniline	9.78	127	3298864	53.97	ug/mL	96
31) Hexachlorobutadiene	9.88	225	1893593	57.00	ug/mL	97
32) 4-Chloro-3-methylphenol	10.43	107	2665864	52.02	ug/mL	99
33) 2-Methylnaphthalene	10.59	142	4683795	53.75	ug/mL	95
34) Hexachlorocyclopentadiene	10.88	237	985122	31.41	ug/mL	96
36) 2,4,6-Trichlorophenol	11.03	196	1611213	50.59	ug/mL	96
37) 2,4,5-Trichlorophenol	11.09	196	1776509	52.50	ug/mL	91
39) 2-Chloronaphthalene	11.27	162	4640543	53.21	ug/mL	99
40) 2-Nitroaniline	11.49	138	1928422	53.90	ug/mL	91
41) Dimethylphthalate	11.76	163	6033621	52.14	ug/mL	99
42) 2,6-Dinitrotoluene	11.88	165	1497606	57.43	ug/mL	98
43) Acenaphthylene	11.86	152	7005058	51.58	ug/mL#	96
44) 3-Nitroaniline	12.08	138	1484314	53.47	ug/mL	95
45) Acenaphthene	12.13	154	4126165	52.87	ug/mL	98
46) 2,4-Dinitrophenol	12.24	184	917211	48.90	ug/mL	95
47) Dibenzofuran	12.35	168	6364956	53.22	ug/mL#	77
48) 2,4-Dinitrotoluene	12.44	165	1955318	54.19	ug/mL	97
49) 4-Nitrophenol	12.34	65	1636394m	54.15	ug/mL	
50) Diethyl phthalate	12.75	149	6852077	52.01	ug/mL	99
51) Fluorene	12.84	166	5181473	53.03	ug/mL	96
52) 4-Chlorophenyl phenylether	12.82	204	2630870	51.25	ug/mL	94
53) 4-Nitroaniline	12.99	138	1560224	55.49	ug/mL	93
54) 4,6-Dinitro-2-methylphenol	13.04	198	1271627	53.02	ug/mL	81
55) Diphenylamine	13.02	169	3720688	50.83	ug/mL	98
56) N-Nitrosodiphenylamine	13.02	167	1380977	51.13	ug/mL	96
58) Azobenzene	13.05	77	8274329	62.68	ug/mL#	69
60) 4-Bromophenyl phenylether	13.51	248	1724455	53.44	ug/mL	97
61) Hexachlorobenzene	13.74	142	999533m	60.94	ug/mL	

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

Data File : C:\HPCHEM\1\DATA\E2003987.D
Acq On : 23 Aug 2005 4:56 pm
Sample : 50 ppm BNA CAL CHECK STD
Misc : QBSV2082305A
MS Integration Params: events.e
Quant Time: Aug 24 10:20 19105

Vial: 1
Operator: SW
Inst : GCMS BNA
Multiplr: 1.00

Quant Results File: BNA2M24.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)
Title : GC MS BNA 2 Semi Volatiles Calibration
Last Update : Thu Jul 28 14:39:42 2005
Response via : Initial Calibration
DataAcq Meth : BNA2M24

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
62) Pentachlorophenol	14.02	266	1111496	42.11	ug/mL	91
63) Phenanthrene	14.21	178	6967284	53.40	ug/mL#	99
64) Anthracene	14.28	178	7317161	54.75	ug/mL#	99
65) Carbazole	14.53	167	6717820	55.60	ug/mL	99
66) Di-n-butyl phthalate	15.04	149	11399875	54.71	ug/mL	98
67) Fluoranthene	15.93	202	7469253	52.46	ug/mL#	99
68) Benzidine	16.13	184	2499575	45.23	ug/mL	98
69) Pyrene	16.26	202	7842386	52.22	ug/mL#	100
71) Benzyl butyl phthalate	17.19	149	5066690	50.56	ug/mL	94
72) Bis(2-ethylhexyl) phthalat	18.00	149	8815597	53.85	ug/mL	99
73) Benz (a) anthracene	17.97	228	8812883	58.01	ug/mL	96
74) 3,3-Dichlorobenzidine	17.97	252	3851407	61.53	ug/mL	95
76) Chrysene	18.05	228	7374362	51.41	ug/mL#	99
77) Di-n-octyl phthalate	18.82	149	12842611	51.23	ug/mL	100
78) Benzo(b)fluoranthene	19.49	252	9711932	57.69	ug/mL#	73
79) Benzo(k)fluoranthene	19.51	252	6504523m	44.51	ug/mL	
80) Benzo(a)pyrene	19.96	252	7446526	53.67	ug/mL	99
81) Indeno(1,2,3-cd)pyrene	21.92	276	10021247	58.11	ug/mL#	96
82) Dibenz(a,h)anthracene	21.90	278	8307759	55.39	ug/mL	96
83) Benzo(g,h,i)perylene	22.45	276	7843207	55.61	ug/mL#	93

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

Quantitation Report

Vial: 1
Operator: SW
Inst : GCMS BNA
Multiplr: 1.00

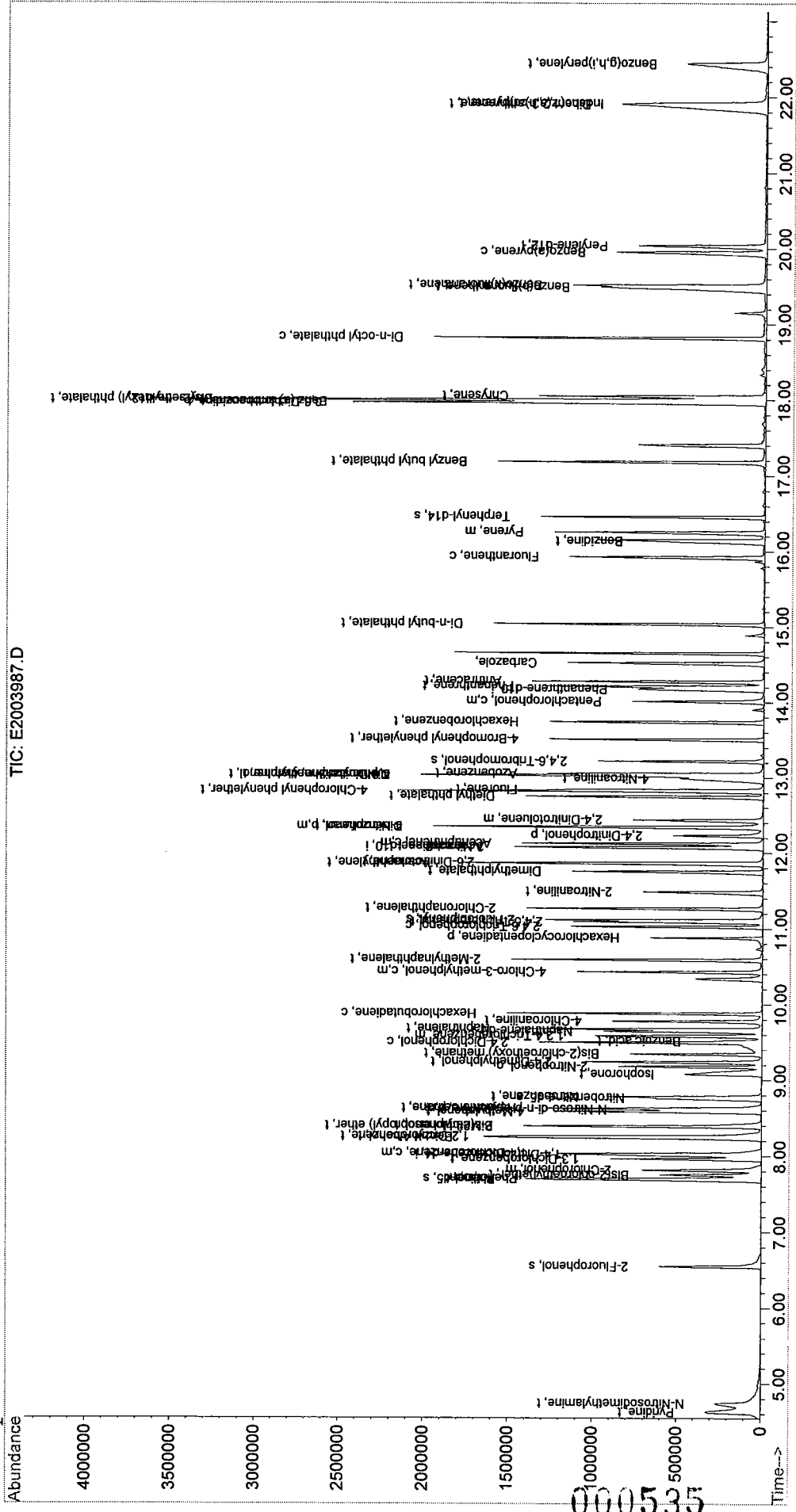
Quant Results File: BNA2M24.RES

Operator: SW
Inst : GCMS BNA
Multiplr: 1.00

MS Integration Params: events.e
Quant Time: Aug 24 10:20 19105

Quant Results File: BNA2M24.RES

```
Method      : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)
Title       : GC MS BNA 2 Semi Volatiles Calibration
Last Update : Thu Jul 28 14:39:42 2005
Response via : Initial Calibration
```



Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\E2004056.D

Vial: 1

Acq On : 25 Aug 2005 2:56 pm

Operator: SW

Sample : 50 ppm BNA CAL CHECK STD

Inst : GCMS BNA

Misc : QBSV2082505A

Multiplr: 1.00

MS Integration Params: events.e

Method : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)

Title : GC MS BNA 2 Semi Volatiles Calibration

Last Update : Thu Jul 28 14:39:42 2005

Response via : Multiple Level Calibration

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

Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 i	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	77	-0.34
2 t	N-Nitrosodimethylamine	0.996	1.034	-3.8	76	-0.55#
3 t	Pyridine	1.562	1.635	-4.7	81	-0.60#
4 s	2-Fluorophenol	1.358	1.394	-2.7	75	-0.32
5 s	Phenol-d5	1.517	1.442	4.9	72	-0.29
6 t	Aniline	1.742	1.726	0.9	74	-0.33
7 c,m	Phenol	1.674	1.612	3.7#	72	-0.28
8 t	Bis(2-chloroethyl) ether	1.633	1.663	-1.8	80	-0.34
9 m	2-Chlorophenol	1.489	1.407	5.5	71	-0.32
10 t	1,3-Dichlorobenzene	1.453	1.453	0.0	77	-0.34
11 c,m	1,4-Dichlorobenzene	1.602	1.706	-6.5#	78	-0.34
12 t	Benzyl Alcohol	0.870	0.769	11.6	65	-0.32
13 t	1,2-Dichlorobenzene	1.470	1.389	5.5	74	-0.33
14 t	2-Methylphenol	1.066	1.042	2.3	73	-0.30
15 t	Bis(2-chloroisopropyl) ethe	1.516	1.480	2.4	74	-0.33
16 p,m	N-Nitroso-di-n-propylamine	1.051	1.079	-2.7	78	-0.34
17 t	4-Methylphenol	1.566	1.434	8.4	72	-0.30
18 t	Hexachloroethane	0.789	0.799	-1.3	76	-0.34
19 s	Nitrobenzene-d5	1.631	1.680	-3.0	78	-0.33
20 t	Nitrobenzene	1.591	1.643	-3.3	78	-0.33
21 i	Naphthalene-d8	1.000	1.000	0.0	74	-0.34
22 t	Isophorone	0.796	0.854	-7.3	77	-0.34
23 c	2-Nitrophenol	0.223	0.235	-5.4#	77	-0.33
24 t	2,4-Dimethylphenol	0.314	0.301	4.1	69	-0.31
25 t	Bis(2-chloroethoxy) methane	0.433	0.434	-0.2	74	-0.34
26 t	Benzoic acid	0.306	0.270	11.8	61	-0.31
27 c	2,4-Dichlorophenol	0.307	0.316	-2.9#	76	-0.32
28 m	1,2,4-Trichlorobenzene	0.330	0.338	-2.4	76	-0.34
29 t	Naphthalene	0.988	0.986	0.2	75	-0.34
30 t	4-Chloroaniline	0.427	0.444	-4.0	76	-0.33
31 c	Hexachlorobutadiene	0.232	0.241	-3.9#	76	-0.35
32 c,m	4-Chloro-3-methylphenol	0.358	0.377	-5.3#	77	-0.31
33 t	2-Methylnaphthalene	0.609	0.619	-1.6	76	-0.35
34 p	Hexachlorocyclopentadiene	0.219	0.074	66.2#	24#	-0.36
35 i	Acenaphthene-d10	1.000	1.000	0.0	69	-0.36

2 (#) = Out of Range

E2004056.D BNA2M24.M

Thu Aug 25 14:30:24 2005

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Page 1

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\E2004056.D

Vial: 1

Acq On : 25 Aug 2005 2:56 pm

Operator: SW

Sample : 50 ppm BNA CAL CHECK STD

Inst : GCMS BNA

Misc : QBSV2082505A

Multiplr: 1.00

MS Integration Params: events.e

Method : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)

Title : GC MS BNA 2 Semi Volatiles Calibration

Last Update : Thu Jul 28 14:39:42 2005

Response via : Multiple Level Calibration

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

Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36 c	2,4,6-Trichlorophenol	0.432	0.457	-5.8#	74	-0.34
37 t	2,4,5-Trichlorophenol	0.459	0.484	-5.4	70	-0.33
38 s	2-Fluorobiphenyl	1.301	1.415	-8.8	74	-0.35
39 t	2-Chloronaphthalene	1.182	1.274	-7.8	74	-0.35
40 t	2-Nitroaniline	0.485	0.533	-9.9	72	-0.34
41 t	Dimethylphthalate	1.568	1.686	-7.5	73	-0.35
42 t	2,6-Dinitrotoluene	0.353	0.389	-10.2	76	-0.34
43 t	Acenaphthylene	1.841	1.901	-3.3	71	-0.36
44 t	3-Nitroaniline	0.376	0.412	-9.6	74	-0.34
45 c,m	Acenaphthene	1.058	1.147	-8.4#	76	-0.36
46 p	2,4-Dinitrophenol	0.254	0.203	20.1	51	-0.33
47 t	Dibenzofuran	1.621	1.793	-10.6	75	-0.35
48 m	2,4-Dinitrotoluene	0.489	0.541	-10.6	73	-0.34
49 p,m	4-Nitrophenol	0.410	0.432	-5.4	72	-0.29
50 t	Diethyl phthalate	1.786	1.914	-7.2	73	-0.35
51 t	Fluorene	1.324	1.337	-1.0	71	-0.35
52 t	4-Chlorophenyl phenylether	0.696	0.702	-0.9	68	-0.35
53 t	4-Nitroaniline	0.381	0.412	-8.1	74	-0.34
54 t	4,6-Dinitro-2-methylphenol	0.325	0.299	8.0	64	-0.33
55 c	Diphenylamine	0.992	0.997	-0.5#	69	-0.35
56 t	N-Nitrosodiphenylamine	0.366	0.367	-0.3	67	-0.35
57 i	Phenanthrene-d10	1.000	1.000	0.0	70	-0.35
58 t	Azobenzene	1.118	1.327	-18.7	77	-0.35
59 s	2,4,6-Tribromophenol	0.198	0.219	-10.6	74	-0.35
60 t	4-Bromophenyl phenylether	0.273	0.281	-2.9	71	-0.35
61 t	Hexachlorobenzene	0.139	0.165	-18.7	81	-0.35
62 c,m	Pentachlorophenol	0.223	0.181	18.8#	53	-0.33
63 t	Phenanthrene	1.105	1.124	-1.7	70	-0.35
64 t	Anthracene	1.131	1.160	-2.6	69	-0.35
65	Carbazole	1.023	1.095	-7.0	72	-0.34
66 t	Di-n-butyl phthalate	1.764	1.830	-3.7	70	-0.34
67 c	Fluoranthene	1.205	1.209	-0.3#	68	-0.35
68 t	Benzidine	0.468	0.412	12.0	52	-0.35
69 m	Pyrene	1.272	1.283	-0.9	68	-0.35
70 s	Terphenyl-d14	0.940	0.942	-0.2	67	-0.35
71 t	Benzyl butyl phthalate	0.849	0.845	0.5	66	-0.35

(#) = Out of Range

E2004056.D BNA2M24.M

Thu Aug 25 14:30:25 2005

000537 Page 2

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\E2004056.D

Vial: 1

Acq On : 25 Aug 2005 2:56 pm

Operator: SW

Sample : 50 ppm BNA CAL CHECK STD

Inst : GCMS BNA

Misc : QBSV2082505A

Multiplr: 1.00

MS Integration Params: events.e

Method : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)

Title : GC MS BNA 2 Semi Volatiles Calibration

Last Update : Thu Jul 28 14:39:42 2005

Response via : Multiple Level Calibration

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

Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
72 t	Bis(2-ethylhexyl) phthalate	1.386	1.341	3.2	66	-0.34
73 t	Benz (a) anthracene	1.286	1.334	-3.7	66	-0.35
74 t	3,3-Dichlorobenzidine	0.530	0.535	-0.9	66	-0.35
75 i	Chrysene-d12	1.000	1.000	0.0	63	-0.35
76 t	Chrysene	0.927	0.990	-6.8	65	-0.35
77 c	Di-n-octyl phthalate	1.620	1.687	-4.1#	65	-0.34
78 t	Benzo(b)fluoranthene	1.088	1.236	-13.6	73	-0.38
79 t	Benzo(k)fluoranthene	0.944	0.952	-0.8	64	-0.38
80 c	Benzo(a)pyrene	0.896	0.996	-11.2#	70	-0.42
81 t	Indeno(1,2,3-cd)pyrene	1.114	1.239	-11.2	68	-0.58#
82 t	Dibenz(a,h)anthracene	0.969	1.052	-8.6	66	-0.58#
83 t	Benzo(g,h,i)perylene	0.911	0.985	-8.1	65	-0.61#
84 i	Perylene-d12	1.000	1.000	0.0	65	-0.43

(#) = Out of Range

E2004056.D BNA2M24.M

SPCC's out = 0 CCC's out = 13

Thu Aug 25 14:30:25 2005

000538

Page 3

Data File : C:\HPCHEM\1\DATA\E2004056.D

Vial: 1

Acq On : 25 Aug 2005 2:56 pm

Operator: SW

Sample : 50 ppm BNA CAL CHECK STD

Inst : GCMS BNA

Misc : QBSV2082505A

Multiplr: 1.00

MS Integration Params: events.e

Quant Time: Aug 25 14:30 19105

Quant Results File: BNA2M24.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)

Title : GC MS BNA 2 Semi Volatiles Calibration

Last Update : Thu Jul 28 14:39:42 2005

Response via : Initial Calibration

DataAcq Meth : BNA2M24

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	1311182	40.00	ug/mL	-0.34
21) Naphthalene-d8	9.58	136	4517897	40.00	ug/mL	-0.34
35) Acenaphthene-d10	12.01	164	2119175	40.00	ug/mL	-0.36
57) Phenanthrene-d10	14.11	188	3625053	40.00	ug/mL	-0.35
75) Chrysene-d12	17.94	240	4345426	40.00	ug/mL	-0.35
84) Perylene-d12	19.95	264	4113782	40.00	ug/mL	-0.43

System Monitoring Compounds

4) 2-Fluorophenol	6.48	112	2284472m	51.31	ug/mL	-0.32
Spiked Amount 200.000	Range 15	- 87	Recovery	=	25.66%	
5) Phenol-d5	7.63	99	2363158	47.52	ug/mL	-0.29
Spiked Amount 200.000	Range 10	- 100	Recovery	=	23.76%	
19) Nitrobenzene-d5	8.69	82	2753420	51.52	ug/mL	-0.33
Spiked Amount 100.000	Range 26	- 120	Recovery	=	51.52%	
38) 2-Fluorobiphenyl	11.05	172	3747738	54.36	ug/mL	-0.35
Spiked Amount 100.000	Range 29	- 120	Recovery	=	54.36%	
59) 2,4,6-Tribromophenol	13.15	330	991828	55.20	ug/mL	-0.35
Spiked Amount 200.000	Range 35	- 126	Recovery	=	27.60%#	
70) Terphenyl-d14	16.40	244	4268876	50.13	ug/mL	-0.35
Spiked Amount 100.000	Range 35	- 127	Recovery	=	50.13%	

Target Compounds

						Qvalue
2) N-Nitrosodimethylamine	4.61	74	1694300m	51.89	ug/mL	
3) Pyridine	4.47	79	2679350m	52.35	ug/mL	
6) Aniline	7.63	93	2828573	49.53	ug/mL#	13
7) Phenol	7.64	94	2641581	48.14	ug/mL#	7
8) Bis(2-chloroethyl)ether	7.69	93	2725530	50.91	ug/mL	94
9) 2-Chlorophenol	7.75	128	2306748	47.25	ug/mL	95
10) 1,3-Dichlorobenzene	7.90	146	2381238	50.00	ug/mL	100
11) 1,4-Dichlorobenzene	7.97	146	2796451	53.25	ug/mL	99
12) Benzyl Alcohol	8.18	108	1259867	44.16	ug/mL#	86
13) 1,2-Dichlorobenzene	8.20	146	2277332	47.25	ug/mL	95
14) 2-Methylphenol	8.33	107	1707576m	48.86	ug/mL	
15) Bis(2-chloroisopropyl) eth	8.33	45	2425270	48.81	ug/mL#	62
16) N-Nitroso-di-n-propylamine	8.54	70	1768354	51.33	ug/mL	96
17) 4-Methylphenol	8.52	107	2349814	45.77	ug/mL	97
18) Hexachloroethane	8.56	117	1309471	50.63	ug/mL#	92

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

Data File : C:\HPCHEM\1\DATA\E2004056.D
Acq On : 25 Aug 2005 2:56 pm
Sample : 50 ppm BNA CAL CHECK STD
Misc : QBSV2082505A

Vial: 1
Operator: SW
Inst : GCMS BNA
Multiplr: 1.00

MS Integration Params: events.e

Quant Time: Aug 25 14:30 19105

Quant Results File: BNA2M24.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)

Title : GC MS BNA 2 Semi Volatiles Calibration

Last Update : Thu Jul 28 14:39:42 2005

Response via : Initial Calibration

DataAcq Meth : BNA2M24

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
20) Nitrobenzene	8.72	77	2693242	51.64	ug/mL	95
22) Isophorone	9.01	82	4825657	53.68	ug/mL	98
23) 2-Nitrophenol	9.12	139	1325441	52.51	ug/mL	94
24) 2,4-Dimethylphenol	9.18	122	1697431	47.82	ug/mL	96
25) Bis(2-chloroethoxy) methan	9.28	93	2453559	50.12	ug/mL	93
26) Benzoic acid	9.41	105	1525358	44.15	ug/mL	85
27) 2,4-Dichlorophenol	9.43	162	1782991	51.46	ug/mL	98
28) 1,2,4-Trichlorobenzene	9.52	180	1907008	51.14	ug/mL	96
29) Naphthalene	9.61	128	5570201	49.90	ug/mL#	98
30) 4-Chloroaniline	9.71	127	2506799	51.95	ug/mL	97
31) Hexachlorobutadiene	9.82	225	1360422	51.88	ug/mL	99
32) 4-Chloro-3-methylphenol	10.36	107	2127176	52.58	ug/mL	98
33) 2-Methylnaphthalene	10.53	142	3496796	50.84	ug/mL	95
34) Hexachlorocyclopentadiene	10.82	237	417376m	16.86	ug/mL	
36) 2,4,6-Trichlorophenol	10.96	196	1211612	52.99	ug/mL	94
37) 2,4,5-Trichlorophenol	11.03	196	1282481	52.78	ug/mL	90
39) 2-Chloronaphthalene	11.20	162	3374922	53.90	ug/mL	97
40) 2-Nitroaniline	11.42	138	1413011	55.00	ug/mL	91
41) Dimethylphthalate	11.69	163	4466317	53.75	ug/mL	100
42) 2,6-Dinitrotoluene	11.81	165	1031091	55.07	ug/mL	92
43) Acenaphthylene	11.79	152	5036992	51.65	ug/mL#	95
44) 3-Nitroaniline	12.01	138	1090876	54.73	ug/mL	95
45) Acenaphthene	12.06	154	3037328	54.20	ug/mL	95
46) 2,4-Dinitrophenol	12.16	184	538934	40.02	ug/mL	89
47) Dibenzofuran	12.28	168	4749920	55.31	ug/mL#	82
48) 2,4-Dinitrotoluene	12.37	165	1432880	55.31	ug/mL	96
49) 4-Nitrophenol	12.27	65	1144405m	52.74	ug/mL	
50) Diethyl phthalate	12.68	149	5069276	53.59	ug/mL	99
51) Fluorene	12.77	166	3541508	50.48	ug/mL	98
52) 4-Chlorophenyl phenylether	12.75	204	1858751	50.43	ug/mL	99
53) 4-Nitroaniline	12.91	138	1091518	54.07	ug/mL	94
54) 4,6-Dinitro-2-methylphenol	12.96	198	792843	46.04	ug/mL#	45
55) Diphenylamine	12.95	169	2640400	50.23	ug/mL	98
56) N-Nitrosodiphenylamine	12.95	167	972786	50.16	ug/mL	94
58) Azobenzene	12.98	77	6013626	59.37	ug/mL#	75
60) 4-Bromophenyl phenylether	13.44	248	1271249	51.34	ug/mL	96
61) Hexachlorobenzene	13.67	142	747906	59.43	ug/mL	90

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

Data File : C:\HPCHEM\1\DATA\E2004056.D
Acq On : 25 Aug 2005 2:56 pm
Sample : 50 ppm BNA CAL CHECK STD
Misc : QBSV2082505A
MS Integration Params: events.e
Quant Time: Aug 25 14:30 19105

Vial: 1
Operator: SW
Inst : GCMS BNA
Multiplr: 1.00

Quant Results File: BNA2M24.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)
Title : GC MS BNA 2 Semi Volatiles Calibration
Last Update : Thu Jul 28 14:39:42 2005
Response via : Initial Calibration
DataAcq Meth : BNA2M24

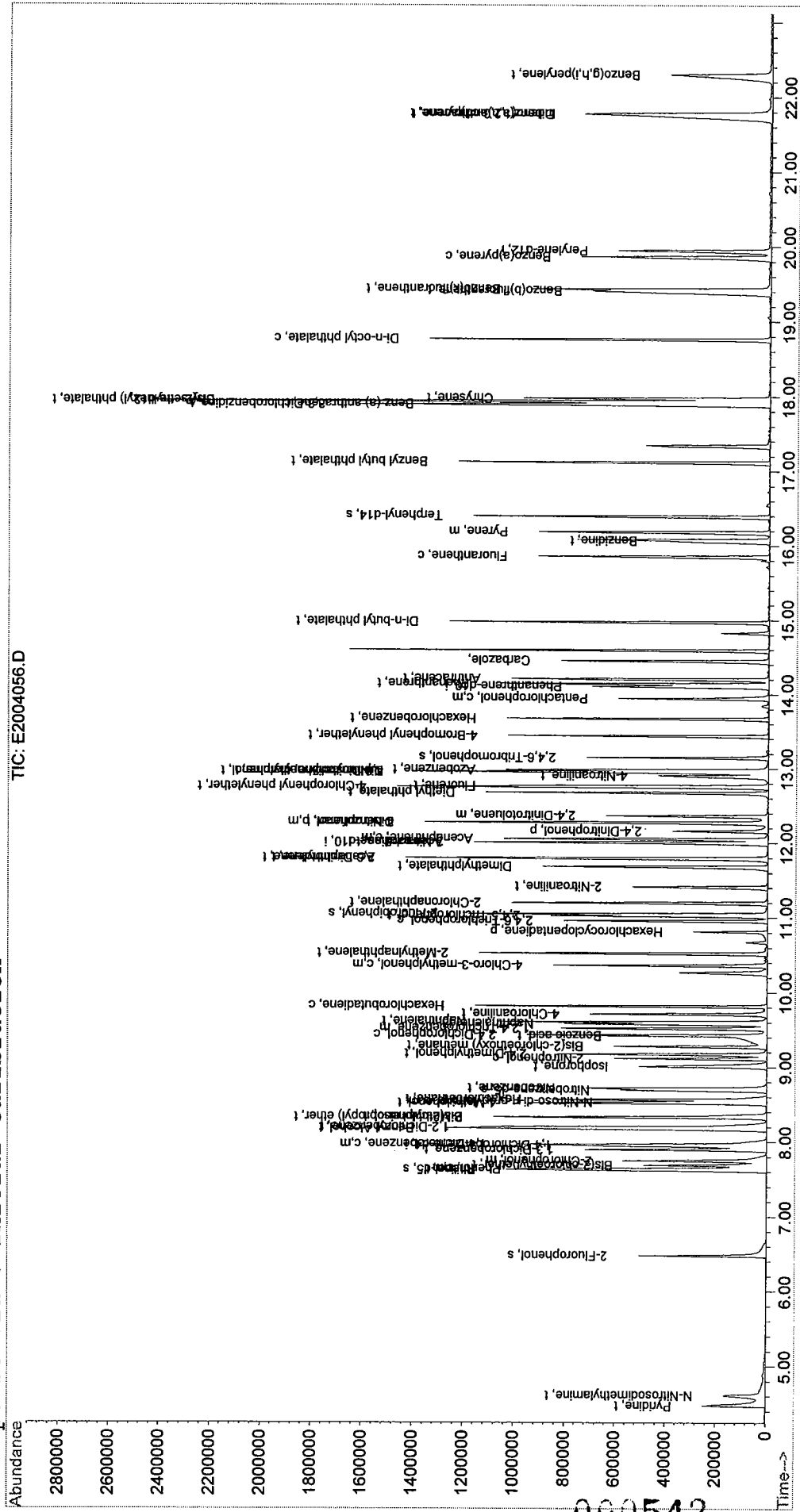
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
62) Pentachlorophenol	13.95	266	820497m	40.51	ug/mL	
63) Phenanthrene	14.14	178	5094531	50.88	ug/mL#	98
64) Anthracene	14.21	178	5256715	51.26	ug/mL#	99
65) Carbazole	14.45	167	4962527	53.53	ug/mL	98
66) Di-n-butyl phthalate	14.98	149	8290622	51.85	ug/mL	98
67) Fluoranthene	15.86	202	5480430	50.16	ug/mL#	99
68) Benzidine	16.05	184	1864975	43.98	ug/mL	98
69) Pyrene	16.19	202	5813584	50.45	ug/mL#	99
71) Benzyl butyl phthalate	17.12	149	3827646	49.77	ug/mL	97
72) Bis(2-ethylhexyl) phthalat	17.94	149	6075060	48.36	ug/mL	98
73) Benz (a) anthracene	17.91	228	6042712	51.84	ug/mL	97
74) 3,3-Dichlorobenzidine	17.89	252	2423956	50.47	ug/mL	95
76) Chrysene	17.98	228	5376018	53.40	ug/mL#	98
77) Di-n-octyl phthalate	18.76	149	9161267	52.07	ug/mL	99
78) Benzo(b)fluoranthene	19.41	252	6711138	56.79	ug/mL#	93
79) Benzo(k)fluoranthene	19.44	252	5168949	50.40	ug/mL#	61
80) Benzo(a)pyrene	19.87	252	5407787	55.53	ug/mL	99
81) Indeno(1,2,3-cd)pyrene	21.78	276	6727811	55.58	ug/mL#	88
82) Dibenz(a,h)anthracene	21.77	278	5713856m	54.28	ug/mL	
83) Benzo(g,h,i)perylene	22.30	276	5348857	54.03	ug/mL#	93

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

DATA File : C:\HPCHEM\1\DATA\E2004056.D
 Acq On : 25 Aug 2005 2:56 pm
 Sample : 50 ppm BNA CAL CHECK STD
 Misc : QBSV2082505A
 MS Integration Params: events.e
 Quant Time: Aug 25 14:30 19105

Vial: 1
 Operator: SW
 Inst : GCMS BNA
 Multiplr: 1.00
 Quant Results File: BNA2M24.RES

Method : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)
 Title : GC MS BNA 2 Semi Volatiles Calibration
 Last Update : Thu Jul 28 14:39:42 2005
 Response via : Initial Calibration



DFTPP

Data File : C:\HPCHEM\1\DATA\E2003169.D

Vial: 13

Acq On : 27 Jul 2005 7:58 pm

Operator:

Sample : 10 ppm BNA CAL STD

Inst : GCMS BNA

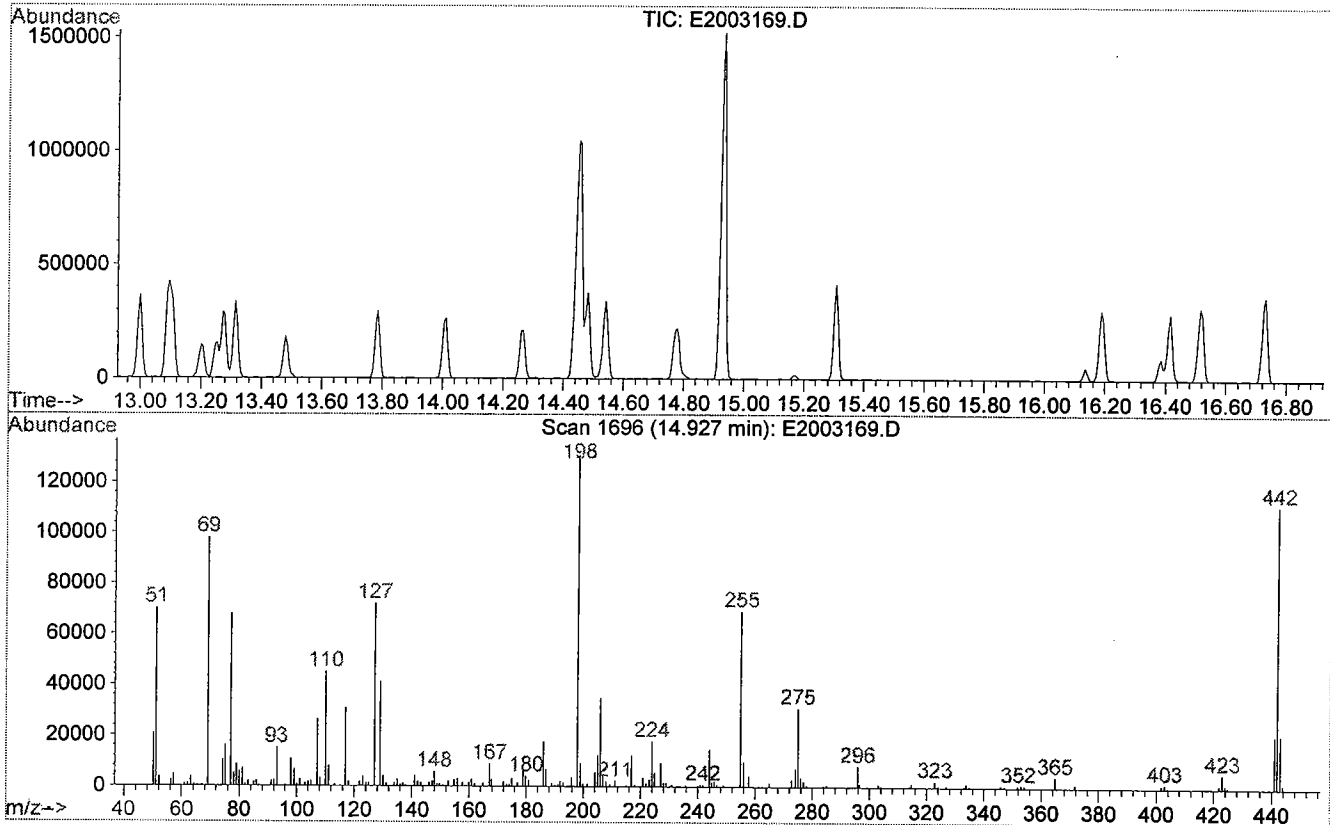
Misc : QBSV2072705A

Multiplr: 1.00

MS Integration Params: events.e

Method : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)

Title : GC MS BNA 2 Semi Volatiles Calibration



Spectrum Information: Scan 1696

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	85	53.7	70136	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	75.1	98056	PASS
70	69	0.00	2	0.0	0	PASS
127	198	30	60	55.1	71960	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	130640	PASS
199	198	5	9	7.0	9105	PASS
275	198	10	30	23.7	30904	PASS
365	198	1	100	3.3	4249	PASS
441	443	0.01	100	98.0	20584	PASS
442	198	40	100	85.1	111136	PASS
443	442	17	23	18.9	21000	PASS

DFTPP

Data File : C:\HPCHEM\1\DATA\E2003987.D

Vial: 1

Acq On : 23 Aug 2005 4:56 pm

Operator: SW

Sample : 50 ppm BNA CAL CHECK STD

Inst : GCMS BNA

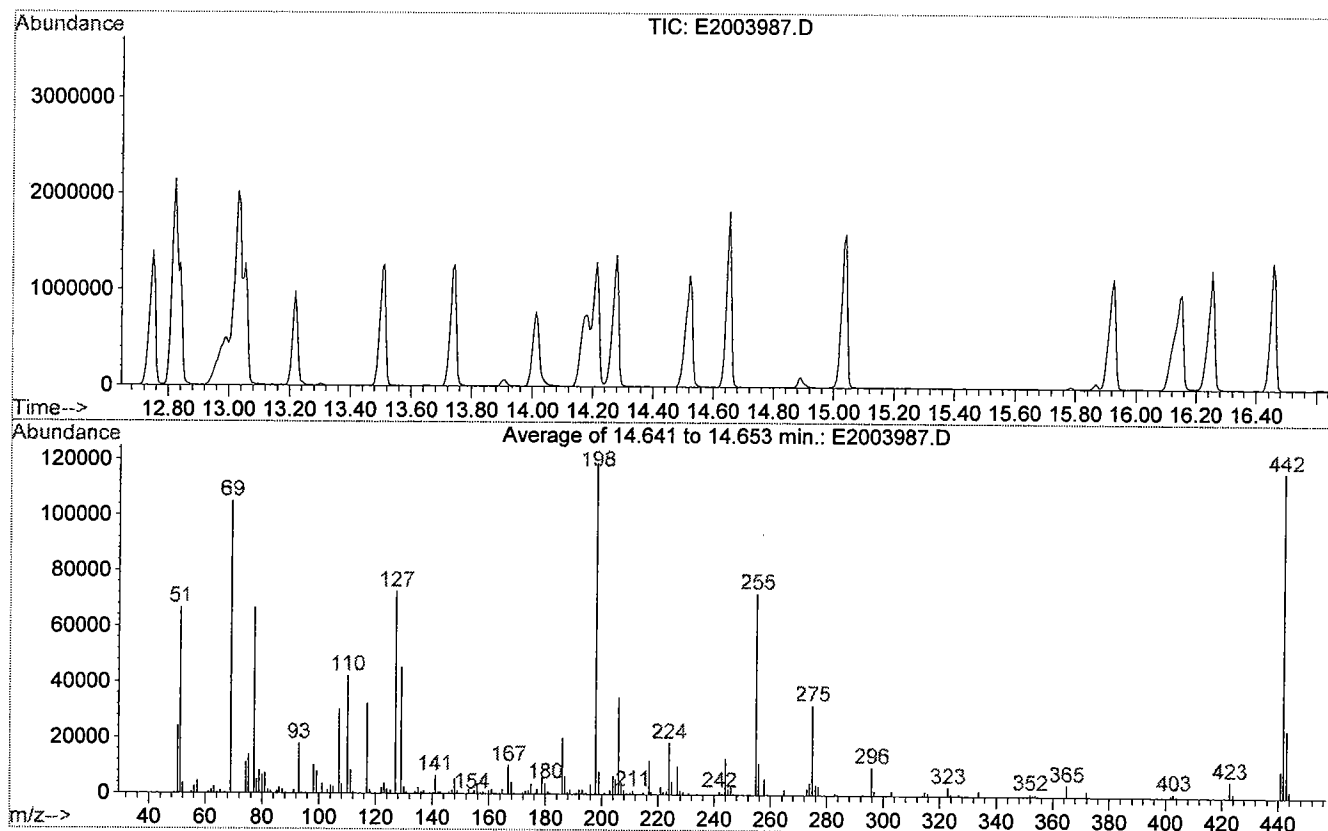
Misc : QBSV2082305A

Multiplr: 1.00

MS Integration Params: events.e

Method : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)

Title : GC MS BNA 2 Semi Volatiles Calibration



Spectrum Information: Average of 14.641 to 14.653 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	85	56.1	66712	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	88.3	105075	PASS
70	69	0.00	2	0.3	305	PASS
127	198	30	65	61.0	72595	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	118960	PASS
199	198	5	9	6.7	7955	PASS
275	198	10	30	27.1	32244	PASS
365	198	1	100	3.4	4096	PASS
441	443	0.01	100	40.5	9726	PASS
442	198	40	100	97.9	116467	PASS
443	442	17	23	20.6	24019	PASS

DFTPP

Data File : C:\HPCHEM\1\DATA\E2004056.D

Vial: 1

Acq On : 25 Aug 2005 2:56 pm

Operator: SW

Sample : 50 ppm BNA CAL CHECK STD

Inst : GCMS BNA

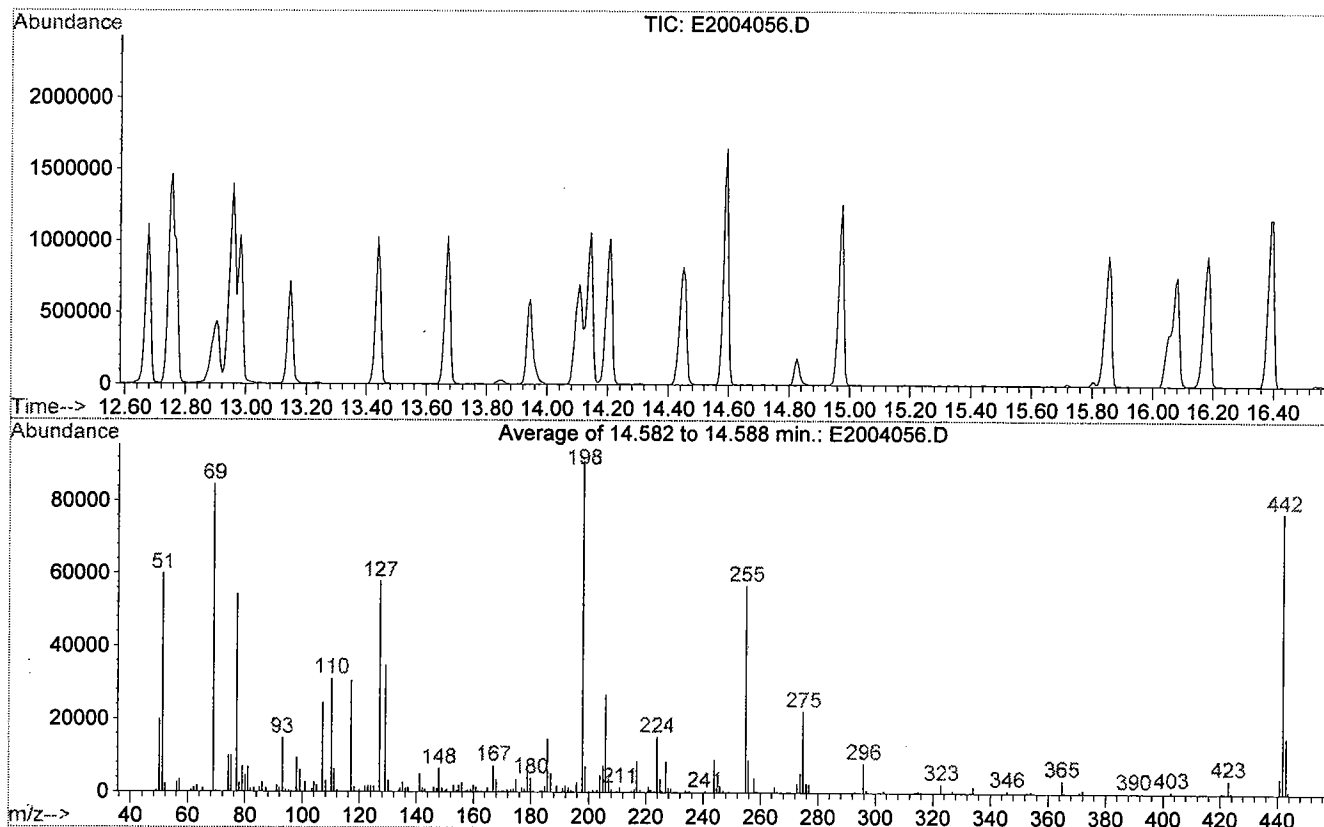
Misc : QBSV2082505A

Multiplr: 1.00

MS Integration Params: events.e

Method : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)

Title : GC MS BNA 2 Semi Volatiles Calibration



Spectrum Information: Average of 14.582 to 14.588 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	85	65.8	59876	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	92.9	84572	PASS
70	69	0.00	2	0.4	315	PASS
127	198	30	66	63.5	57796	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	90996	PASS
199	198	5	9	7.7	7000	PASS
275	198	10	30	24.5	22325	PASS
365	198	1	100	4.0	3597	PASS
441	443	0.01	100	28.9	4442	PASS
442	198	40	100	84.8	77188	PASS
443	442	17	23	19.9	15374	PASS

Data File : C:\HPCHEM\1\DATA\E2003988.D

Vial: 2

Acq On : 23 Aug 2005 5:29 pm

Operator: SW

Sample : MBLK 082205 WATER

Inst : GCMS BNA

Misc : QBSV2082305A

Multiplr: 1.00

MS Integration Params: events.e

Quant Time: Aug 24 12:01 19105

Quant Results File: BNA2M24.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)

Title : GC MS BNA 2 Semi Volatiles Calibration

Last Update : Thu Jul 28 14:39:42 2005

Response via : Initial Calibration

DataAcq Meth : BNA2M24

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	1472061	40.00	ug/mL	-0.28
21) Naphthalene-d8	9.63	136	5419994	40.00	ug/mL	-0.29
35) Acenaphthene-d10	12.06	164	2778838	40.00	ug/mL	-0.30
57) Phenanthrene-d10	14.16	188	4759959	40.00	ug/mL	-0.30
75) Chrysene-d12	17.99	240	5213753	40.00	ug/mL	-0.30
84) Perylene-d12	20.02	264	6049466	40.00	ug/mL	-0.36

System Monitoring Compounds

4) 2-Fluorophenol	6.53	112	3192617	63.88	ug/mL	-0.27
Spiked Amount	200.000	Range	15 - 87	Recovery	=	31.94%
5) Phenol-d5	7.67	99	4331443	77.58	ug/mL	-0.25
Spiked Amount	200.000	Range	10 - 100	Recovery	=	38.79%
19) Nitrobenzene-d5	8.75	82	3192456	53.20	ug/mL	-0.28
Spiked Amount	100.000	Range	26 - 120	Recovery	=	53.20%
38) 2-Fluorobiphenyl	11.11	172	5239226	57.96	ug/mL	-0.30
Spiked Amount	100.000	Range	29 - 120	Recovery	=	57.96%
59) 2,4,6-Tribromophenol	13.21	330	3448088	146.13	ug/mL	-0.29
Spiked Amount	200.000	Range	35 - 126	Recovery	=	73.07%
70) Terphenyl-d14	16.46	244	8324219	74.44	ug/mL	-0.28
Spiked Amount	100.000	Range	35 - 127	Recovery	=	74.44%

Target Compounds

Qvalue

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

E2003988.D BNA2M24.M

Wed Aug 24 12:01:53 2005

000546

Page 1

DATA\\E2003988.D

Vial: 2

Acq On : 23 Aug 2005 5:29 pm

Operator: SW

Sample : MBLK 082205 WATER

Inst : GCMS BNA

Misc : QBSV2082305A

Multiplr: 1.00

MS Integration Params: events.e

Quant Time: Aug 24 12:01 19105

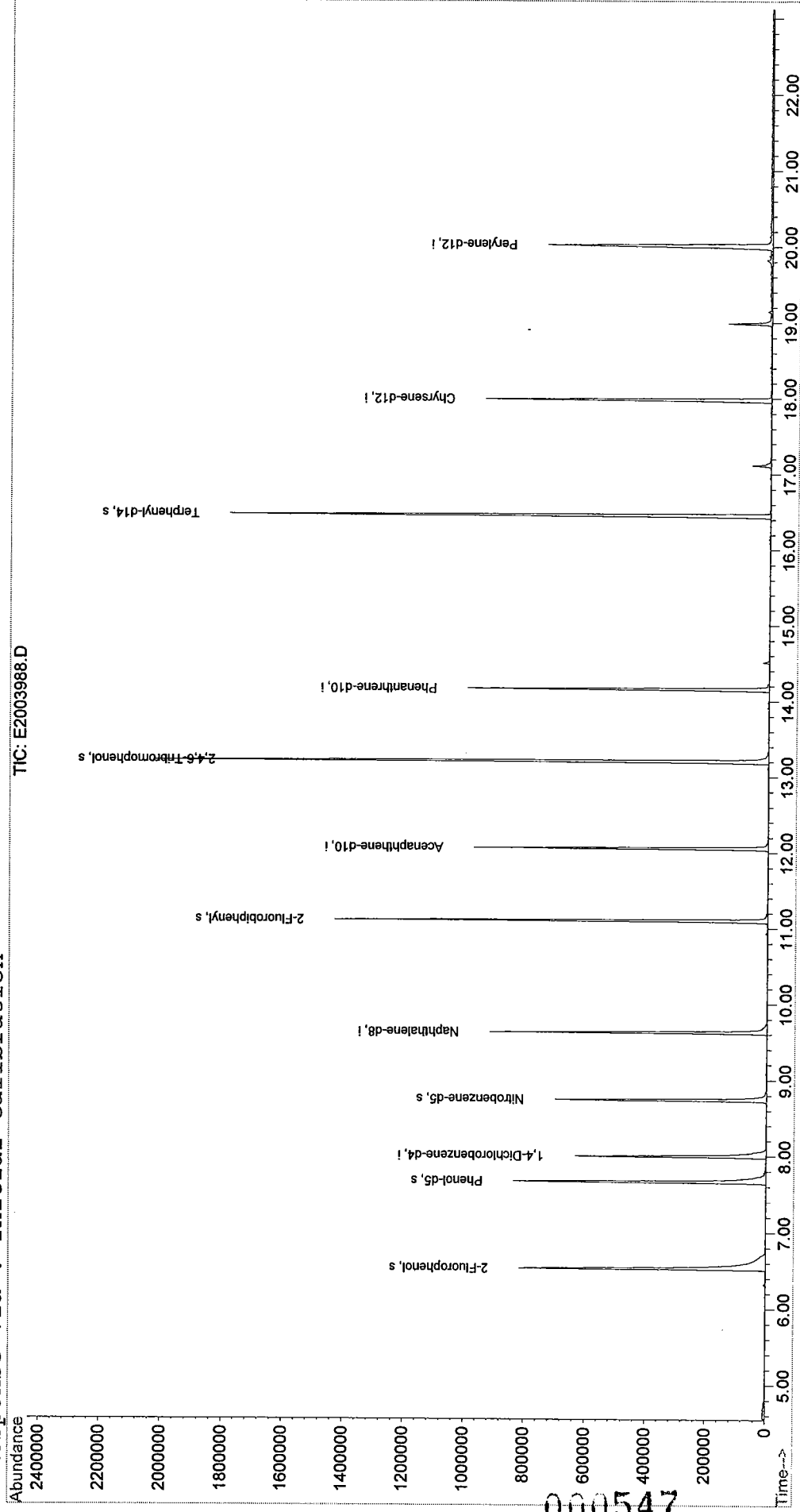
Quant Results File: BNA2M24.RES

Method : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)

Title : GC MS BNA 2 Semi Volatiles Calibration

Last Update : Thu Jul 28 14:39:42 2005

Response via : Initial Calibration



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LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\E2003988.D

Acq On : 23 Aug 2005 5:29 pm

Sample : MBLK 082205 WATER

Misc : QBSV2082305A

MS Integration Params: LSCINT.e

Vial: 2

Operator: SW

Inst : GCMS BNA

Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)

Title : GC MS BNA 2 Semi Volatiles Calibration

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	4.587	3	8	11	BV 4	4528	63965	0.22%	0.030%
2	4.610	11	12	16	VV 4	3850	46967	0.16%	0.022%
3	4.652	16	19	25	VV 3	4580	114404	0.39%	0.054%
4	4.741	33	34	37	VV	3449	34225	0.12%	0.016%
5	4.771	37	39	45	VV	3869	51840	0.18%	0.024%
6	4.831	45	49	53	VV	2406	27817	0.10%	0.013%
7	4.896	58	60	67	PB	1671	19551	0.07%	0.009%
8	4.956	68	70	74	BV	1724	18826	0.06%	0.009%
9	4.997	74	77	87	PV	2191	35808	0.12%	0.017%
10	6.324	287	300	305	PV	5905	82548	0.28%	0.039%
11	6.532	325	335	376	BV	819489	17652498	60.89%	8.280%
12	6.800	376	380	385	PV	1895	23906	0.08%	0.011%
13	7.669	515	526	544	BV	817684	14427689	49.77%	6.767%
14	7.788	544	546	561	VV	8025	198288	0.68%	0.093%
15	8.002	576	582	599	PV	635858	10447378	36.04%	4.900%
16	8.115	599	601	604	VV	2326	25821	0.09%	0.012%
17	8.294	630	631	639	VV	1871	14778	0.05%	0.007%
18	8.746	690	707	719	BV	710392	10707894	36.93%	5.023%
19	8.823	719	720	723	VV	6219	90381	0.31%	0.042%
20	8.847	723	724	732	VV	4200	59469	0.21%	0.028%
21	9.085	761	764	768	PB	3887	44655	0.15%	0.021%
22	9.633	849	856	878	VV	893092	12657618	43.66%	5.937%
23	9.770	878	879	890	VV	2799	54377	0.19%	0.026%
24	10.942	1068	1076	1080	BV	6711	71815	0.25%	0.034%
25	11.108	1094	1104	1122	BV	1424359	18938855	65.33%	8.883%
26	11.227	1122	1124	1128	VV	1778	22719	0.08%	0.011%
27	11.400	1150	1153	1155	VV	1694	15649	0.05%	0.007%
28	11.912	1232	1239	1245	BB	2264	31071	0.11%	0.015%
29	12.067	1255	1265	1272	BV	951269	13397825	46.21%	6.284%
30	12.114	1272	1273	1279	VV	7576	99503	0.34%	0.047%
31	12.227	1288	1292	1294	VV	2160	22906	0.08%	0.011%
32	12.602	1349	1355	1359	BV	1777	14166	0.05%	0.007%
33	12.685	1365	1369	1371	BV	1861	14111	0.05%	0.007%
34	13.114	1433	1441	1446	BV 2	4178	50444	0.17%	0.024%

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35	13.215	1449	1458	1474	VV	2	1981466	28991369	100.00%	13.599%
36	13.340	1474	1479	1483	VV		2448	42660	0.15%	0.020%
37	13.471	1497	1501	1505	BV		2469	24659	0.09%	0.012%
38	13.513	1505	1508	1510	PV		1433	10629	0.04%	0.005%
39	13.774	1549	1552	1557	PV		2043	18201	0.06%	0.009%
40	13.917	1570	1576	1580	VB		5937	62133	0.21%	0.029%
41	13.983	1582	1587	1594	BB		4908	63708	0.22%	0.030%
42	14.161	1607	1617	1625	BV		964596	14129203	48.74%	6.627%
43	14.221	1625	1627	1635	VV		6582	113349	0.39%	0.053%
44	14.459	1661	1667	1671	BV		2252	23761	0.08%	0.011%
45	14.518	1671	1677	1683	PB		20539	227544	0.78%	0.107%
46	15.018	1748	1761	1768	BB	3	2873	56669	0.20%	0.027%
47	15.625	1860	1863	1865	PV		1657	13212	0.05%	0.006%
48	16.089	1939	1941	1944	VV		4344	48363	0.17%	0.023%
49	16.143	1947	1950	1953	VV	2	5529	53232	0.18%	0.025%
50	16.178	1953	1956	1959	VV	2	3601	54074	0.19%	0.025%
51	16.464	1994	2004	2017	PV		1842622	27155549	93.67%	12.738%
52	16.559	2017	2020	2023	VV		1892	22372	0.08%	0.010%
53	16.589	2023	2025	2034	PV		2080	24482	0.08%	0.011%
54	16.702	2040	2044	2048	VV		1946	24605	0.08%	0.012%
55	16.833	2061	2066	2071	PB		2615	32255	0.11%	0.015%
56	16.952	2080	2086	2089	PV		4608	45196	0.16%	0.021%
57	16.982	2089	2091	2093	PV		2824	17444	0.06%	0.008%
58	17.006	2093	2095	2102	VV		2260	25968	0.09%	0.012%
59	17.077	2102	2107	2109	VV		2026	19291	0.07%	0.009%
60	17.119	2109	2114	2122	PV	2	61777	966330	3.33%	0.453%
61	17.178	2122	2124	2126	VV		4124	39232	0.14%	0.018%
62	17.214	2126	2130	2134	VV		2706	49890	0.17%	0.023%
63	17.458	2167	2171	2176	PV		2348	29127	0.10%	0.014%
64	17.517	2176	2181	2189	VV		2637	57088	0.20%	0.027%
65	17.577	2189	2191	2196	VV		2219	18813	0.06%	0.009%
66	17.666	2205	2206	2208	VV		2139	15736	0.05%	0.007%
67	17.690	2208	2210	2211	VV		2299	15963	0.06%	0.007%
68	17.714	2211	2214	2221	VV		2359	47895	0.17%	0.022%
69	17.779	2221	2225	2230	VV		2482	45086	0.16%	0.021%
70	17.821	2230	2232	2237	VV		3689	39401	0.14%	0.018%
71	17.987	2246	2260	2276	VV		941314	14741796	50.85%	6.915%
72	18.100	2276	2279	2283	VV		4114	57957	0.20%	0.027%
73	18.160	2288	2289	2301	VV		2241	50291	0.17%	0.024%
74	18.261	2301	2306	2308	VV		2188	36522	0.13%	0.017%
75	18.297	2308	2312	2318	VV		2613	47417	0.16%	0.022%
76	18.350	2318	2321	2324	VV		3342	38737	0.13%	0.018%
77	18.380	2324	2326	2329	VV		2647	24775	0.09%	0.012%
78	18.416	2329	2332	2338	VV		7122	94971	0.33%	0.045%
79	18.463	2338	2340	2342	VV		3494	25452	0.09%	0.012%
80	18.571	2350	2358	2361	VV		3183	64629	0.22%	0.030%

81	18.600	2361	2363	2366	VV	2256	23220	0.08%	0.011%
82	18.654	2366	2372	2374	VV	4017	63689	0.22%	0.030%
83	18.690	2374	2378	2381	VV	3283	36871	0.13%	0.017%
84	18.719	2381	2383	2387	VV	3505	37012	0.13%	0.017%
85	18.755	2387	2389	2394	VV	2922	42522	0.15%	0.020%
86									
87	18.803	2394	2397	2402	VV	3049	59806	0.21%	0.028%
88	18.850	2402	2405	2407	VV	3229	38211	0.13%	0.018%
89	18.880	2407	2410	2412	VV	2629	30353	0.10%	0.014%
90	18.904	2412	2414	2418	VV	2910	47178	0.16%	0.022%
91	18.939	2418	2420	2423	VV	2577	45627	0.16%	0.021%
92									
93	18.993	2423	2429	2444	VV 2	145690	2167322	7.48%	1.017%
94	19.094	2444	2446	2448	VV 2	5551	53487	0.18%	0.025%
95	19.130	2448	2452	2453	VV	4547	55578	0.19%	0.026%
96	19.154	2453	2456	2460	VV 2	11978	160715	0.55%	0.075%
97	19.213	2464	2466	2470	VV	4104	59674	0.21%	0.028%
98									
99	19.255	2470	2473	2479	VV	3612	81995	0.28%	0.038%
100	19.314	2479	2483	2486	VV	5083	82100	0.28%	0.039%
101	19.356	2486	2490	2492	VV	5529	79490	0.27%	0.037%
102	19.380	2492	2494	2497	VV 2	6842	77999	0.27%	0.037%
103	19.404	2497	2498	2501	VV	3910	43279	0.15%	0.020%
104									
105	19.433	2501	2503	2505	VV 2	5016	49220	0.17%	0.023%
106	19.463	2505	2508	2510	VV	4416	59186	0.20%	0.028%
107	19.499	2510	2514	2517	VV 2	4858	90453	0.31%	0.042%
108	19.546	2517	2522	2524	VV 2	5381	107585	0.37%	0.050%
109	19.594	2524	2530	2533	VV 2	4142	101872	0.35%	0.048%
110									
111	19.648	2533	2539	2543	VV 2	6893	155738	0.54%	0.073%
112	19.683	2543	2545	2552	VV 2	5438	99729	0.34%	0.047%
113	19.743	2552	2555	2556	VV 2	5182	50172	0.17%	0.024%
114	19.826	2556	2569	2572	VV 5	17037	449777	1.55%	0.211%
115	19.856	2572	2574	2585	VV 4	7815	243977	0.84%	0.114%
116									
117	19.933	2585	2587	2590	VV	6533	87458	0.30%	0.041%
118	20.022	2590	2602	2611	VV	728743	15502501	53.47%	7.272%
119	20.088	2611	2613	2615	VV	7222	91774	0.32%	0.043%
120	20.136	2615	2621	2628	VV 3	9653	240856	0.83%	0.113%
121	20.195	2628	2631	2633	VV 3	6264	76264	0.26%	0.036%
122									
123	20.219	2633	2635	2640	VV 2	5480	113299	0.39%	0.053%
124	20.261	2640	2642	2644	VV 2	6466	55826	0.19%	0.026%
125	20.278	2644	2645	2654	VV 2	7133	193757	0.67%	0.091%
126	20.344	2654	2656	2663	VV 3	6002	112227	0.39%	0.053%
127	20.427	2663	2670	2675	VV 3	4985	146089	0.50%	0.069%
128									
129	20.469	2675	2677	2681	VV 2	4391	70110	0.24%	0.033%
130	20.522	2681	2686	2687	VV	4352	70583	0.24%	0.033%
131	20.564	2687	2693	2698	VV	5084	110065	0.38%	0.052%
132	20.618	2698	2702	2707	VV	5007	111809	0.39%	0.052%
133	20.665	2707	2710	2720	VV	5184	158137	0.55%	0.074%
134									
135	20.748	2720	2724	2727	VV 2	5681	78872	0.27%	0.037%
136	20.778	2727	2729	2733	VV 2	6648	88743	0.31%	0.042%
137									
138									
139									
140									

000550

127	128	20.832	2733	2738	2744	VV	4	5844	181649	0.63%	0.085%
128	129	20.873	2744	2745	2750	VV	2	5569	110618	0.38%	0.052%
129	130	20.915	2750	2752	2755	VV	2	5357	73869	0.25%	0.035%
130	131	20.945	2755	2757	2761	VV		4372	65834	0.23%	0.031%
131	132	20.981	2761	2763	2765	VV		4328	45880	0.16%	0.022%
132	133	21.016	2765	2769	2770	VV		4054	57570	0.20%	0.027%
133	134	21.100	2770	2783	2785	VV	3	5642	225011	0.78%	0.106%
134	135	21.123	2785	2787	2789	VV		4313	45770	0.16%	0.021%
135	136	21.159	2789	2793	2799	VV	3	5084	114844	0.40%	0.054%
136	137	21.207	2799	2801	2803	VV		3766	40988	0.14%	0.019%
137	138	21.248	2803	2808	2812	VV	2	4147	88223	0.30%	0.041%
138	139	21.278	2812	2813	2815	VV		4301	32065	0.11%	0.015%
139	140	21.302	2815	2817	2832	VV	2	3589	183475	0.63%	0.086%
140	141	21.397	2832	2833	2838	VV		4382	62761	0.22%	0.029%
141	142	21.439	2838	2840	2841	VV		2793	24286	0.08%	0.011%
142	143	21.463	2841	2844	2847	VV		6254	74276	0.26%	0.035%
143	144	21.492	2847	2849	2854	VV		5702	85422	0.29%	0.040%
144	145	21.582	2860	2864	2867	VV		4168	68990	0.24%	0.032%
145	146	21.617	2867	2870	2872	VV	2	4363	54321	0.19%	0.025%
146	147	21.641	2872	2874	2879	VV	2	3535	80190	0.28%	0.038%
147	148	21.695	2879	2883	2884	VV		5321	65041	0.22%	0.031%
148	149	21.712	2884	2886	2890	VV		4188	59860	0.21%	0.028%
149	150	21.748	2890	2892	2894	VV		4256	40661	0.14%	0.019%
150	151	21.790	2894	2899	2907	VV	4	4866	152601	0.53%	0.072%
151	152	21.879	2907	2914	2918	VV	3	4795	131525	0.45%	0.062%
152	153	21.915	2918	2920	2928	VV	2	4530	97240	0.34%	0.046%
153	154	21.980	2928	2931	2933	VV		4800	58463	0.20%	0.027%
154	155	22.010	2933	2936	2943	VV	2	5198	105360	0.36%	0.049%
155	156	22.064	2943	2945	2952	VV		4403	87396	0.30%	0.041%
156	157	22.135	2952	2957	2960	VV		4675	87793	0.30%	0.041%
157	158	22.183	2960	2965	2974	VV	2	5268	151479	0.52%	0.071%
158	159	22.248	2974	2976	2980	VV	2	3947	58978	0.20%	0.028%
159	160	22.284	2980	2982	2989	VV	2	5426	64071	0.22%	0.030%
160	161	22.355	2989	2994	2997	VV		3886	68278	0.24%	0.032%
161	162	22.391	2997	3000	3002	VV		2998	40188	0.14%	0.019%
162	163	22.415	3002	3004	3008	VV		3673	42784	0.15%	0.020%
163	164	22.450	3008	3010	3013	VV	2	2981	47090	0.16%	0.022%
164	165	22.522	3018	3022	3025	VV		3483	62587	0.22%	0.029%
165	166	22.551	3025	3027	3029	VV		3738	44182	0.15%	0.021%
166	167	22.575	3029	3031	3033	VV		5733	36915	0.13%	0.017%
167	168	22.617	3033	3038	3044	PV		4098	86519	0.30%	0.041%
168	169	22.670	3044	3047	3050	VV		3725	45341	0.16%	0.021%
169	170	22.706	3050	3053	3056	VV		2644	41909	0.14%	0.020%
170	171	22.742	3056	3059	3063	VV		3250	58574	0.20%	0.027%
171	172	22.784	3063	3066	3068	VV		3029	43536	0.15%	0.020%
172	173	22.807	3068	3070	3073	VV		3345	30813	0.11%	0.014%
173	174	22.837	3073	3075	3081	PV		4924	50580	0.17%	0.024%

000551

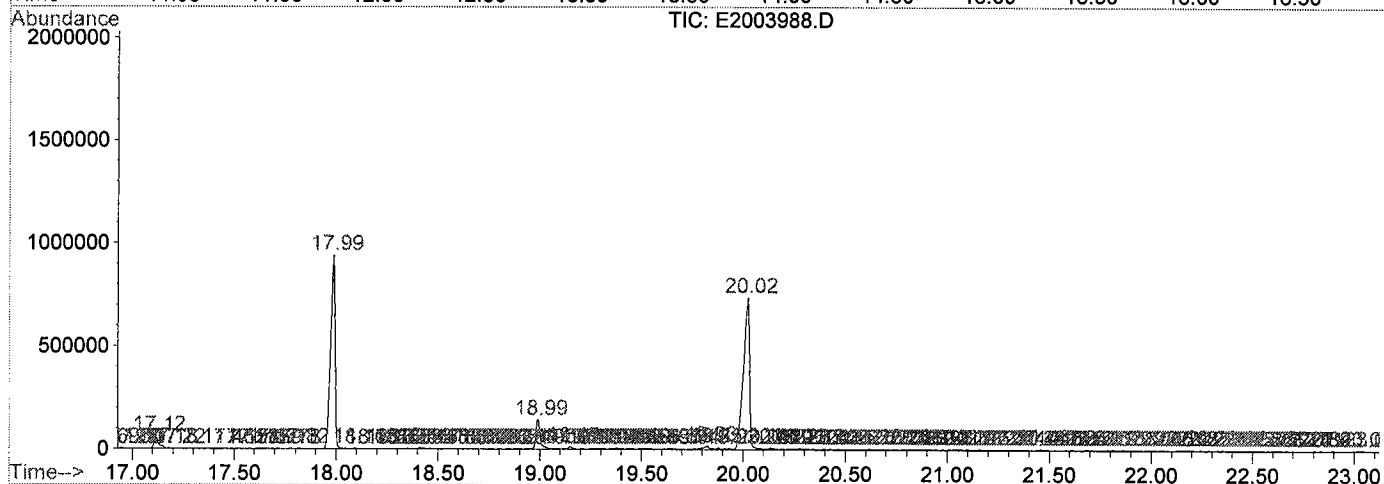
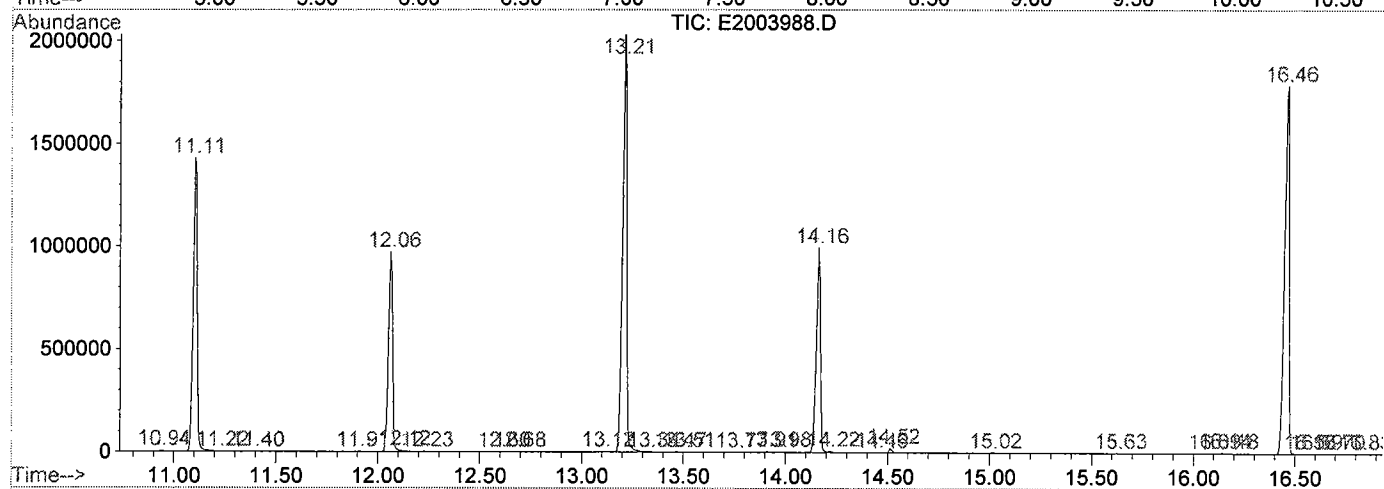
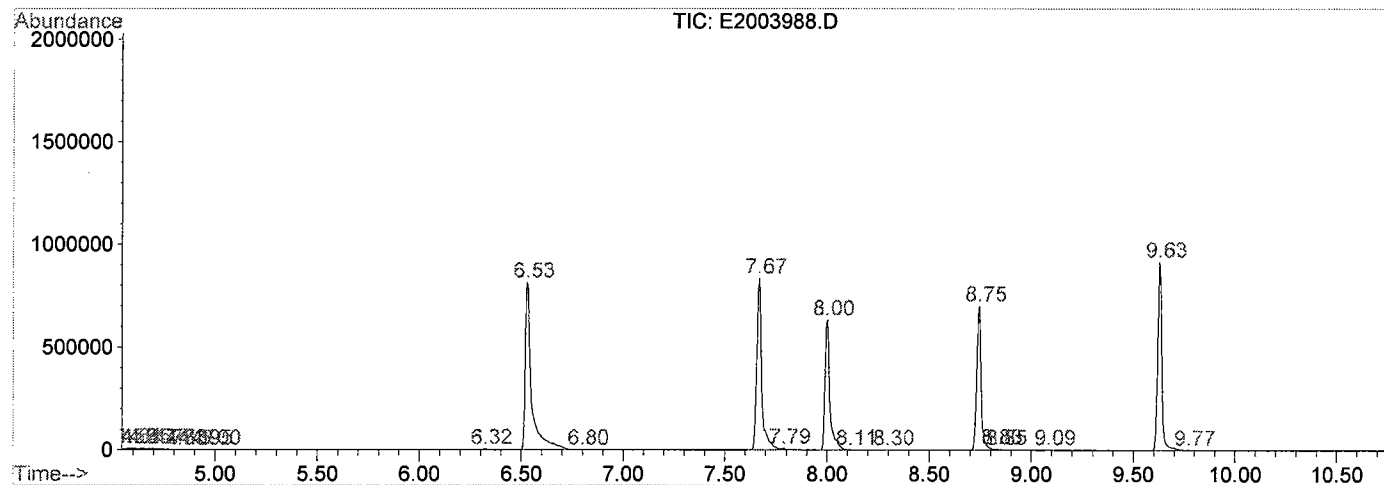
175	22.897	3081	3085	3099	VV	3258	99466	0.34%	0.047%
176	23.045	3099	3110	3112	VV 2	4099	111882	0.39%	0.052%
177	23.069	3112	3114	3116	VV	2201	17283	0.06%	0.008%

Sum of corrected areas: 213193446

E2003988.D BNA2M24.M Tue Oct 04 12:36:27 2005

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\E2003988.D
 Operator : SW
 Acquired : 23 Aug 2005 5:29 pm using AcqMethod BNA2M24
 Instrument : GCMS BNA
 Sample Name: MBLK 082205 WATER
 Misc Info : QBSV2082305A
 Vial Number: 2
 Quant File :BNA2M24.RES (Chemstation Integrator)



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\E2003988.D

Acq On : 23 Aug 2005 5:29 pm

Sample : MBLK 082205 WATER

Misc : QBSV2082305A

MS Integration Params: LSCINT.e

Vial: 2

Operator: SW

Inst : GCMS BNA

Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)

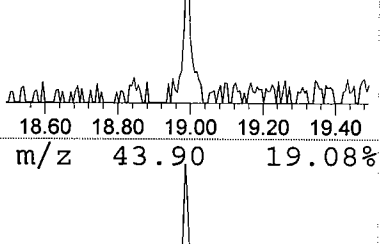
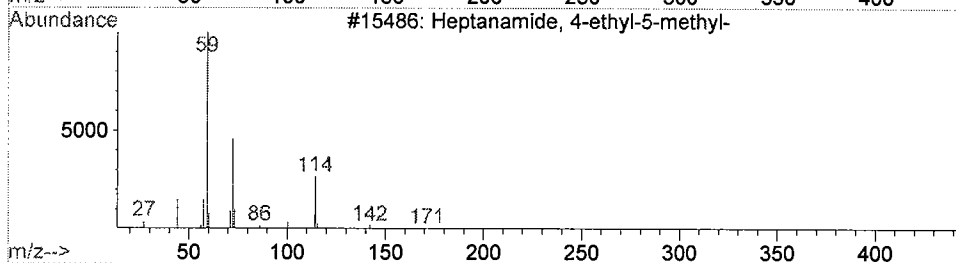
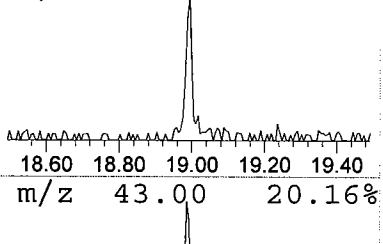
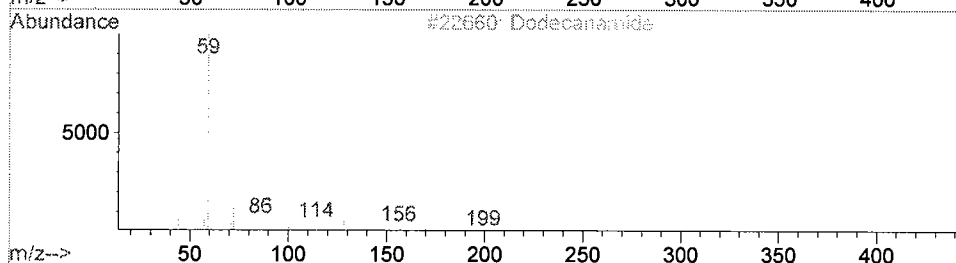
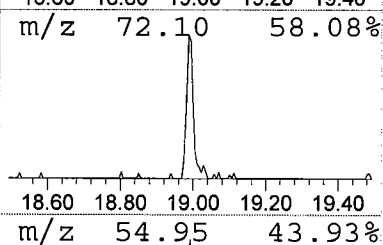
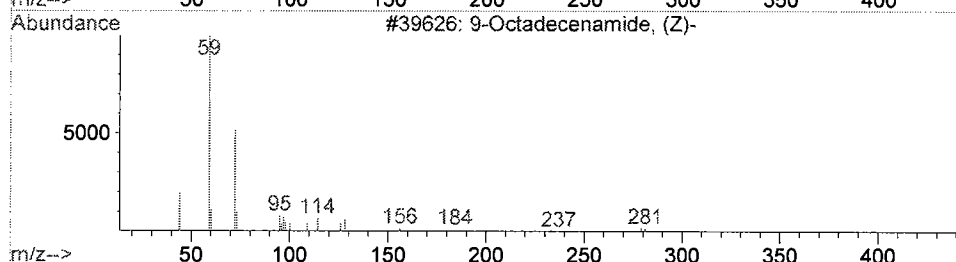
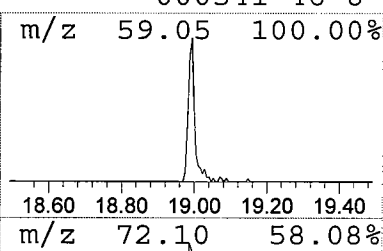
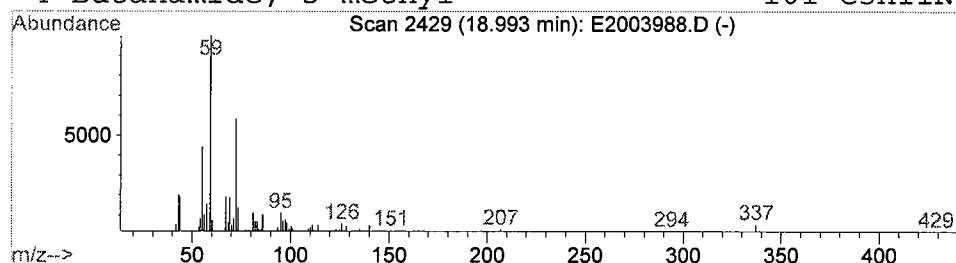
Title : GC MS BNA 2 Semi Volatiles Calibration

Library : C:\DATABASE\NBS75K.L

Peak Number 1 9-Octadecenamide, (Z)- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.99	5.88 ug/mL	2167320	Chrysene-d12	17.99

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	64
2			Dodecanamide	199	C12H25NO	001120-16-7	53
3			Heptanamide, 4-ethyl-5-methyl-	171	C10H21NO	054789-40-1	50
4			Butanamide, 3-methyl-	101	C5H11NO	000541-46-8	47



Tentatively Identified Compound (LSC) summary

Operator ID: SW Date Acquired: 23 Aug 2005 5:29 pm
 Data File: C:\HPCHEM\1\DATA\E2003988.D
 Name: MBLK 082205 WATER
 Misc: QBSV2082305A
 Method: C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)
 Title: GC MS BNA 2 Semi Volatiles Calibration
 Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc Units	Area	IntStd	ISRT	ISArea	ISConc
9-Octadecenamide, (Z	18.99	5.9 ug/mL	2167320	ISTD05	17.99	14741800	40.0

E2003988.D BNA2M24.M Tue Oct 04 12:36:31 2005

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000555

Data File : C:\HPCHEM\1\DATA\E2003989.D

Vial: 3

Acq On : 23 Aug 2005 6:02 pm

Operator: SW

Sample : MS 082205 WATER

Inst : GCMS BNA

Misc : QBSV2082305A

Multiplr: 1.00

MS Integration Params: events.e

Quant Time: Aug 24 12:03 19105

Quant Results File: BNA2M24.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)

Title : GC MS BNA 2 Semi Volatiles Calibration

Last Update : Thu Jul 28 14:39:42 2005

Response via : Initial Calibration

DataAcq Meth : BNA2M24

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	1410927	40.00	ug/mL	-0.28
21) Naphthalene-d8	9.63	136	5035089	40.00	ug/mL	-0.29
35) Acenaphthene-d10	12.07	164	2667937	40.00	ug/mL	-0.30
57) Phenanthrene-d10	14.17	188	4357967	40.00	ug/mL	-0.29
75) Chrysene-d12	17.99	240	5146899	40.00	ug/mL	-0.30
84) Perylene-d12	20.02	264	5907488	40.00	ug/mL	-0.36

System Monitoring Compounds

4) 2-Fluorophenol	6.53	112	3616774	75.50	ug/mL	-0.27
Spiked Amount 200.000	Range 15 - 87		Recovery =	37.75%		
5) Phenol-d5	7.68	99	4187736	78.25	ug/mL	-0.23
Spiked Amount 200.000	Range 10 - 100		Recovery =	39.13%		
19) Nitrobenzene-d5	8.75	82	3303533	57.44	ug/mL	-0.28
Spiked Amount 100.000	Range 26 - 120		Recovery =	57.44%		
38) 2-Fluorobiphenyl	11.11	172	4838394	55.75	ug/mL	-0.30
Spiked Amount 100.000	Range 29 - 120		Recovery =	55.75%		
59) 2,4,6-Tribromophenol	13.21	330	3355009	155.31	ug/mL	-0.29
Spiked Amount 200.000	Range 35 - 126		Recovery =	77.66%		
70) Terphenyl-d14	16.46	244	7596748	74.20	ug/mL	-0.28
Spiked Amount 100.000	Range 35 - 127		Recovery =	74.20%		

Target Compounds

						Qvalue
7) Phenol	7.70	94	4705540	79.69	ug/mL#	59
9) 2-Chlorophenol	7.81	128	5448046	103.71	ug/mL	95
11) 1,4-Dichlorobenzene	8.03	146	2422294	42.87	ug/mL	98
16) N-Nitroso-di-n-propylamine	8.58	70	2298789	62.02	ug/mL	97
28) 1,2,4-Trichlorobenzene	9.57	180	1990185	47.88	ug/mL	98
32) 4-Chloro-3-methylphenol	10.43	107	6000753	133.10	ug/mL	95
45) Acenaphthene	12.12	154	4221081	59.83	ug/mL	96
48) 2,4-Dinitrotoluene	12.43	165	2228559	68.32	ug/mL	96
49) 4-Nitrophenol	12.34	65	2512016	91.96	ug/mL#	17
62) Pentachlorophenol	14.01	266	3462529	142.21	ug/mL	96
69) Pyrene	16.25	202	10020527	72.33	ug/mL#	98

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

E2003989.D BNA2M24.M

Wed Aug 24 12:03:28 2005

Page 1

000556

DATA File : C:\HPCHEM\1\DATA\E2003989.D

Vial: 3

Acq On : 23 Aug 2005 6:02 pm

Operator: SW

Sample : MS 082205 WATER

Inst : GCMS BNA

Misc : QBSV2082305A

Multiplr: 1.00

MS Integration Params: events.e

Quant Time: Aug 24 12:03 19105

Quant Results File: BNA2M24.RES

Method

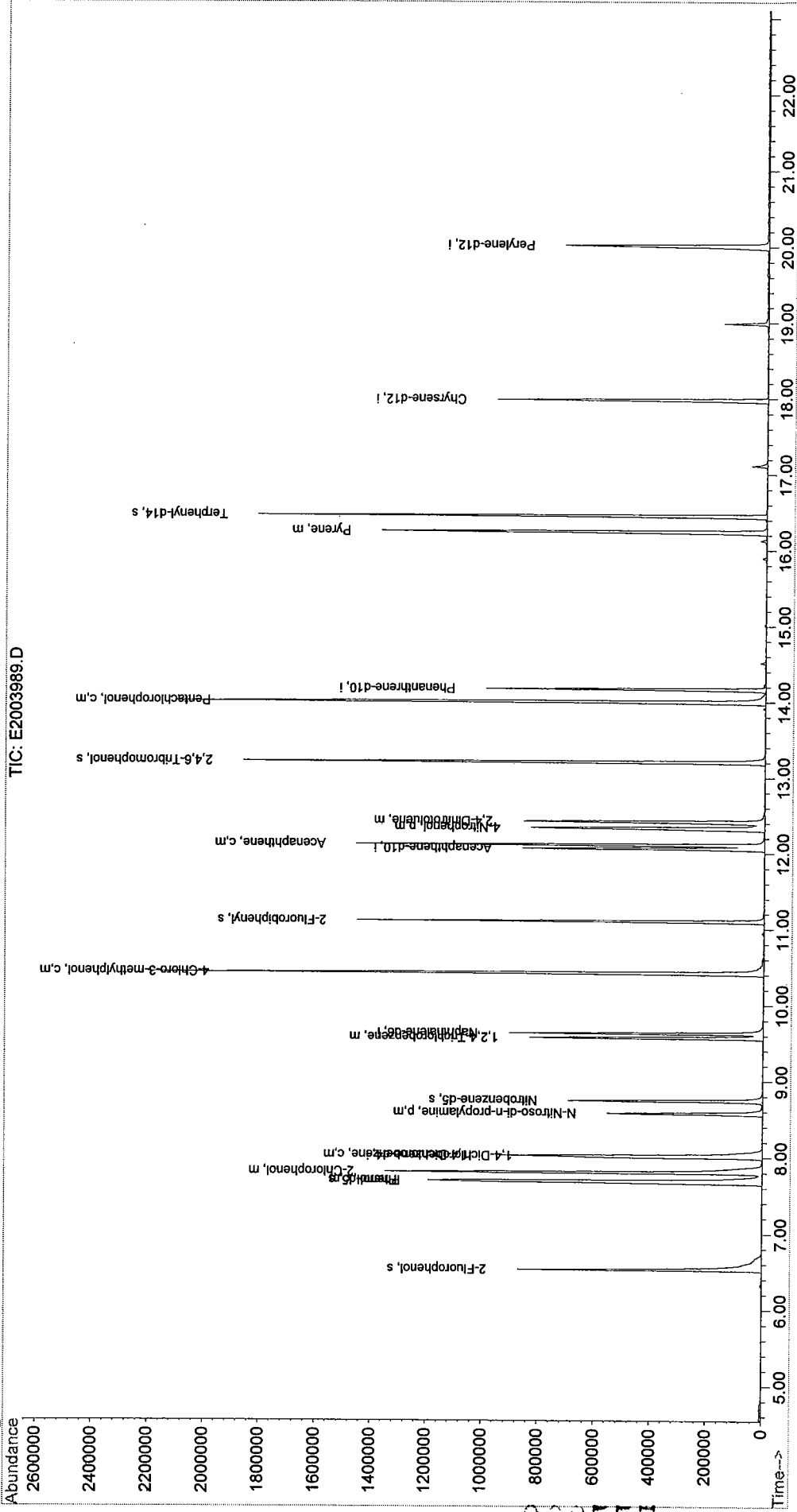
: C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)

Title

: GC MS BNA 2 Semi Volatiles Calibration

Last Update : Thu Jul 28 14:39:42 2005

Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\E2003990.D

Vial: 4

Acq On : 23 Aug 2005 6:35 pm

Operator: SW

Sample : MSD 082205 WATER

Inst : GCMS BNA

Misc : QBSV2082305A

Multiplr: 1.00

MS Integration Params: events.e

Quant Time: Aug 24 12:04 19105

Quant Results File: BNA2M24.RES

Quant Method : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)

Title : GC MS BNA 2 Semi Volatiles Calibration

Last Update : Thu Jul 28 14:39:42 2005

Response via : Initial Calibration

DataAcq Meth : BNA2M24

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	1509671	40.00	ug/mL	-0.28
21) Naphthalene-d8	9.64	136	5477145	40.00	ug/mL	-0.29
35) Acenaphthene-d10	12.07	164	2870091	40.00	ug/mL	-0.30
57) Phenanthrene-d10	14.17	188	4696037	40.00	ug/mL	-0.29
75) Chrysene-d12	17.99	240	4912083	40.00	ug/mL	-0.30
84) Perylene-d12	20.02	264	5496337	40.00	ug/mL	-0.36

System Monitoring Compounds

4) 2-Fluorophenol	6.53	112	4218343	82.30	ug/mL	-0.27
Spiked Amount	200.000	Range	15 - 87	Recovery	=	41.15%
5) Phenol-d5	7.69	99	4397192	76.79	ug/mL	-0.23
Spiked Amount	200.000	Range	10 - 100	Recovery	=	38.40%
19) Nitrobenzene-d5	8.75	82	3552051	57.72	ug/mL	-0.28
Spiked Amount	100.000	Range	26 - 120	Recovery	=	57.72%
38) 2-Fluorobiphenyl	11.11	172	5610555	60.09	ug/mL	-0.29
Spiked Amount	100.000	Range	29 - 120	Recovery	=	60.09%
59) 2,4,6-Tribromophenol	13.22	330	3830213	164.54	ug/mL	-0.28
Spiked Amount	200.000	Range	35 - 126	Recovery	=	82.27%
70) Terphenyl-d14	16.46	244	7787406	70.59	ug/mL	-0.28
Spiked Amount	100.000	Range	35 - 127	Recovery	=	70.59%

Target Compounds

						Qvalue
7) Phenol	7.70	94	5063332	80.14	ug/mL#	60
9) 2-Chlorophenol	7.81	128	6078976	108.16	ug/mL	96
11) 1,4-Dichlorobenzene	8.03	146	2928655	48.44	ug/mL	96
16) N-Nitroso-di-n-propylamine	8.58	70	2614285	65.91	ug/mL	97
28) 1,2,4-Trichlorobenzene	9.58	180	2423062	53.59	ug/mL	98
32) 4-Chloro-3-methylphenol	10.43	107	7103821	144.85	ug/mL	93
45) Acenaphthene	12.12	154	4992410	65.78	ug/mL	95
48) 2,4-Dinitrotoluene	12.43	165	2455205	69.97	ug/mL	93
49) 4-Nitrophenol	12.34	65	2757335	93.83	ug/mL#	16
62) Pentachlorophenol	14.01	266	3957684	150.84	ug/mL	97
69) Pyrene	16.25	202	10569853	70.81	ug/mL#	99

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

DATA File : C:\HPCHEM\1\DATA\E2003990.D

Acq On : 23 Aug 2005 6:35 pm

Sample : MSD 082205 WATER

Misc : QBSV2082305A

MS Integration Params: events.e

Quant Time: Aug 24 12:04 19105

Quant Results File: BNA2M24.RES

Vial: 4

Operator: SW

Inst : GCMS BNA

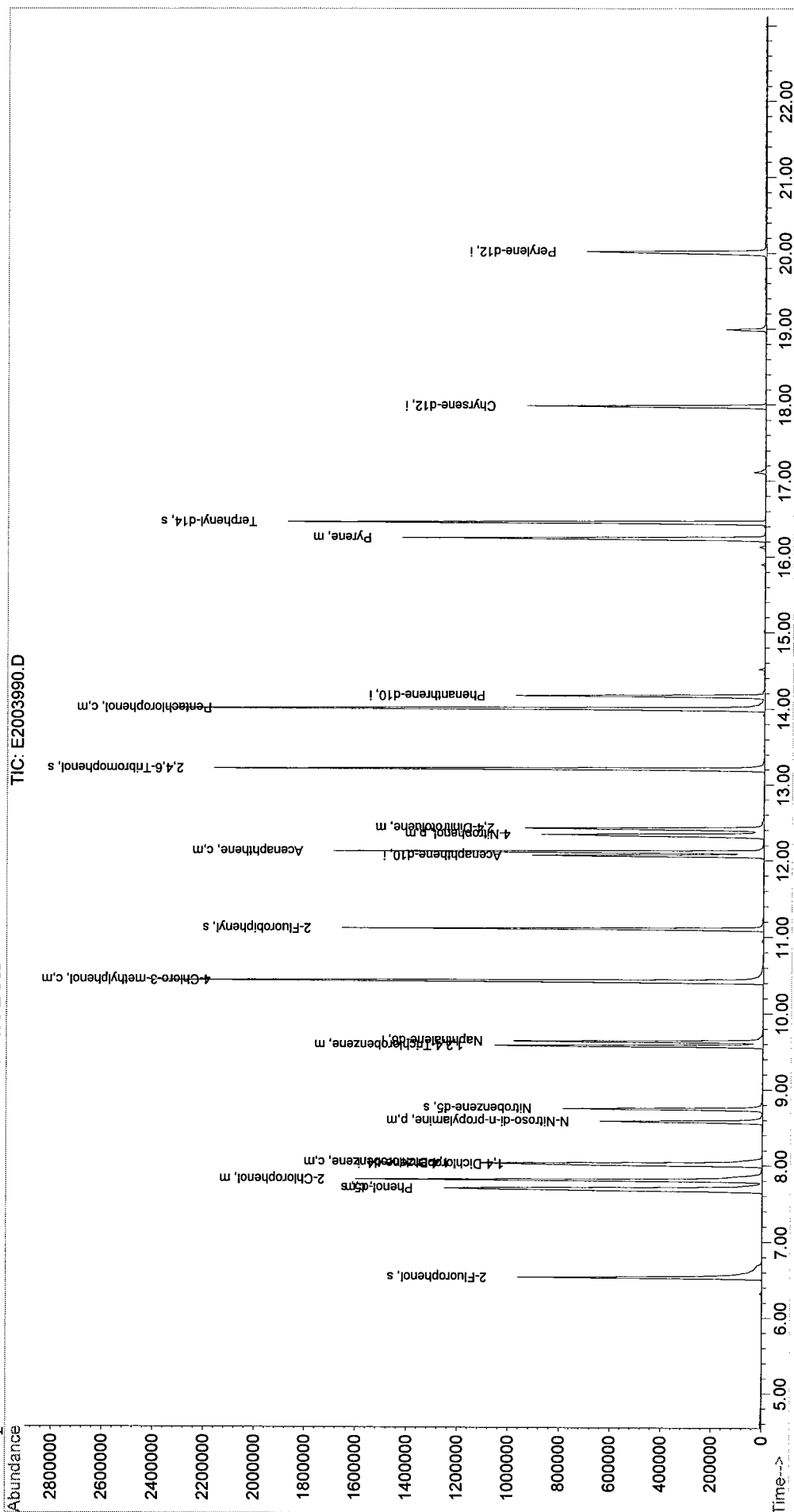
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\BNA2M24.M (Chemstation Integrator)

Title : GC MS BNA 2 Semi Volatiles Calibration

Last Update : Thu Jul 28 14:39:42 2005

Response via : Initial Calibration



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