



Accredited Analytical Resources, LLC

ANALYTICAL DATA REPORT

for

ESPL Environmental
100 West 32nd St. 5th Floor
New York, NY 10001

Project: 26100

ACCREDITED ANALYTICAL RESOURCES CASE No.: 2903

DATE RECEIVED: 07/26/06

<u>Field ID</u>	<u>Laboratory Sample #</u>
05-DP8 S	200607108
05-DP6 S	200607109
05-DP5 S	200607110
05-DP4 S	200607111
05-DP2 S	200607112
MS S	200607113
MSD S	200607114
05-DP8 A	200607115
05-DP6 A	200607116
05-DP5 A	200607117
05-DP4 A	200607118
05-DP2 A	200607119
MS A	200607120
MSD A	200607121
TRIPBLANK	200607122
FIELDBLANK	200607123

Accredited Analytical Resources, LLC New York Certification Number 11109. This data has been reviewed and accepted by:


Daniel S. Miguel
Technical Director

Total Pages N/A

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SDG NARRATIVE

Accredited Analytical Resources, LLC received 7 soil samples, 7 aqueous samples, 1 field blank sample and 1 trip blank sample (Project: 26100; AAR Case #2903) from ESPL Environmental on 7/26/06 for the analyses of Volatile Organics and Polynuclear Aromatic Hydrocarbons.

All analyses were performed within the required holding time.

All soil analyses were reported on a dry weight basis.

In the Volatile Organic analysis, two surrogates (Bromofluorobenzene and 1,2-Dichloroethane-d4) for AAR Sample #0607110 were out of criteria. The sample was diluted and analyzed and one surrogate (Bromofluorobenzene) was again recovered out of the required criteria. One surrogate (Bromofluorobenzene) was out of criteria for the MS Sample #0607113; the surrogate was also recovered out of criteria for the MSD Sample #0607114. The internal standard area check for AAR Sample #0607110 and 0607114 was out of criteria. AAR Sample #0607110 was diluted, analyzed and recovered within criteria. AAR Sample #0607114 is the matrix spike duplicate; therefore, no further analysis is required. The MDL levels were elevated for AAR Sample #0607109, 0607111, 0607112 and 0607119 due to matrix interference.

"I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for

/

completeness, for other than the conditions detailed above.

Release of the data contained in this hard copy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature."



Daniel S. Miguel
Technical Director

Date: 08/21/06 ACCREDITED ANALYTICAL RESOURCES, LLC

Time: 10:12:45

ORGANIC ANALYSIS LABORATORY CHRONICLE

NY;8260 STARS; 8270 STARS;OTHER = NY ASP CAT B; MS/MSD SEE ATTACHED CHAIN

Client: E S P L Environmental

Test Date Due: 08/08/06

Fax Data Due: 08/08/06

Hard Copy Due: 08/08/06

Client Project Name: 26100

Date Sampled:07/25/06 Date Received:07/26/06 Report Package: Other

Test: VO

QC#: _____

Test Description: Volatile Organics (VO)

By Method: _____

SAMPLE IDENTIFICATION			M	EXTRACTION			ANALYSIS			TIC
Field#	Case#	Sample#	x	Date	Time	Init	Date	Time	Init	FLAG
05-DP8 S	2903	200607108	S				08/01/06	13:59	GF	Y
05-DP6 S	2903	200607109	S				08/02/06	11:49		Y
05-DP8 A	2903	200607115	A				7/28/06	14:09		Y
05-DP6 A	2903	200607116	A				1	14:41		Y

Reviewed by: JDDate: 8/8/06

Abbreviations: Sample Matrix:

Mtx: A=Aqueous: S=Soil: O=Oil: K=Solid: F=Filters: P=Potable Water: G=Sludge

X=Other

RPT: Report01

Date: 08/21/06 ACCREDITED ANALYTICAL RESOURCES, LLC

Time: 10:12:46

ORGANIC ANALYSIS LABORATORY CHRONICLE

NY;8260 STARS; 8270 STARS;OTHER = NY ASP CAT B; MS/MSD SEE ATTACHED CHAIN

Client: E S P L Environmental

Test Date Due: 08/09/06

Fax Data Due: 08/08/06

Hard Copy Due: 08/08/06

Client Project Name: 26100

Date Sampled:07/26/06 Date Received:07/26/06 Report Package: Other

Test: VO

QC#: _____

Test Description:Volatile Organics (VO)

By Method: _____

SAMPLE IDENTIFICATION			M	EXTRACTION			ANALYSIS			TIC
Field#	Case#	Sample#	x	Date	Time	Init	Date	Time	Init	FLAG
05-DP5 S	2903	200607110	S				8/2/06	14:02	6F	Y
05-DP4 S	2903	200607111	S				8/1/06	15:43		Y
05-DP2 S	2903	200607112	S					17:27		Y
MS S	2903	200607113	S					16:17		Y
MSD S	2903	200607114	S					16:52		Y
05-DP5 A	2903	200607117	A				7/28/06	15:14		Y
05-DP4 A	2903	200607118	A					15:47		Y
05-DP2 A	2903	200607119	A					16:20		Y
MS A	2903	200607120	A					16:52		Y
MSD A	2903	200607121	A					17:26		Y
TRIPBLANK	2903	200607122	A					12:30		Y
FIELDBLANK	2903	200607123	A					13:30		Y

Reviewed by: JSDate: 8/8/06

Abbreviations: Sample Matrix:

Mtx: A=Aqueous: S=Soil: O=Oil: K=Solid: F=Filters: P=Potable Water: G=Sludge

X=Other

RPT: Report 01

Date: 08/21/06 ACCREDITED ANALYTICAL RESOURCES, LLC

Time: 10:12:44

ORGANIC ANALYSIS LABORATORY CHRONICLE

NY; 8260 STARS; 8270 STARS; OTHER = NY ASP CAT B; MS/MSD SEE ATTACHED CHAIN

Client: E S P L Environmental

Test Date Due: 08/01/06

Fax Data Due: 08/08/06

Hard Copy Due: 08/08/06

Client Project Name: 26100

Date Sampled: 07/25/06 Date Received: 07/26/06 Report Package: Other

Test: PAH

QC#: _____

Test Description: Polynuclear Aromatic Hydrocarbon (PAH)

By Method: _____

SAMPLE IDENTIFICATION			M	EXTRACTION			ANALYSIS			TIC
Field#	Case#	Sample#	x	Date	Time	Init	Date	Time	Init	FLAG
05-DP8 S	2903	200607108	S	7/31/06		B	8/01/06	13:03	JM	Y
05-DP6 S	2903	200607109	S					13:49		Y
05-DP8 A	2903	200607115	A	7/28/06		B	7/31/06	21:17		Y
05-DP6 A	2903	200607116	A					22:02		Y

Reviewed by: QADate: 8/9/06

Abbreviations: Sample Matrix:

Mtx: A=Aqueous: S=Soil: O=Oil: K=Solid: F=Filters: P=Potable Water: G=Sludge

X=Other

RPT: Report01

Date: 08/21/06 ACCREDITED ANALYTICAL RESOURCES, LLC

Time: 10:12:44

ORGANIC ANALYSIS LABORATORY CHRONICLE

NY;8260 STARS; 8270 STARS;OTHER = NY ASP CAT B; MS/MSD SEE ATTACHED CHAIN

Client: E S P L Environmental

Test Date Due: 08/02/06

Fax Data Due: 08/08/06

Hard Copy Due: 08/08/06

Client Project Name: 26100

Date Sampled:07/26/06 Date Received:07/26/06 Report Package: Other

Test: PAH

QC#: _____

Test Description:Polynuclear Aromatic Hydrocarbon (PAH)

By Method: _____

SAMPLE IDENTIFICATION			M	EXTRACTION			ANALYSIS			TIC
Field#	Case#	Sample#	x	Date	Time	Init	Date	Time	Init	FLAG
05-DP5 S	2903	200607110	S	7/31/06	B.		8/01/06	14:35	LM	Y
05-DP4 S	2903	200607111	S					15:21		Y
05-DP2 S	2903	200607112	S					17:40		Y
MS S	2903	200607113	S					16:07		Y
MSD S	2903	200607114	S					16:53		Y
05-DP5 A	2903	200607117	A	7/28/06	B.		8/01/06	09:15		Y
05-DP4 A	2903	200607118	A					10:01		Y
05-DP2 A	2903	200607119	A					10:46		Y
MS A	2903	200607120	A					11:32		Y
MSD A	2903	200607121	A					12:17		Y
FIELD BLANK	2903	200607123	A				8/9/06	17:26		Y

Reviewed by: JSDate: 8/9/06

Abbreviations:Sample Matrix:

Mtx:A=Aqueous:S=Soil:O=Oil:K=Solid:F=Filters:P=Potable Water:G=Sludge

X=Other

RPT:Report01

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INORGANIC ANALYSIS LABORATORY CHRONICLE

NY;8260 STARS; 8270 STARS;OTHER = NY ASP CAT B; MS/MSD SEE ATTACHED CHAIN

Client: E S P L Environmental

Test Date Due: 08/08/06

Fax Data Due: 08/08/06

Hard Copy Due: 08/08/06

Client Project Name: 26100

Case #: 2903

Date Sampled: 07/25/06 Date Received: 07/26/06 Report Pkg: Other

Test: SOLIDS %

Sample Matrix: S

Test Description:

Mtx:A=Aqueous:S=Soil:O=Oil:K=Solid By Method: _____

:F=Filters:P=Potable Water:G=Sludge:X=Other

SAMPLE

LABORATORY CHRONICLE

IDENTIFICATION		ANALYTICAL DATA			PREPARATION		ANALYSIS		
Field#	Sample#	RESULT	MDL	UNITS	DATE	INIT	DATE	INIT	REF
05-DP8 S	200607108	78.4	0.1	90	7/28	CL	7/28	CL	2/7/1
05-DP6 S	200607109	77.0	0.1	1	1	1	1	1	

QUALITY CONTROL: _____

Method Blank : _____

Percent Spike Recovery : _____

Relative Percent Difference of Duplicate Samples : _____

Reviewed by: _____

Date: 7/31/06

RPT:Report05

Date: 08/21/06 ACCREDITED ANALYTICAL RESOURCES, LLC

Time: 10:12:47

INORGANIC ANALYSIS LABORATORY CHRONICLE

NY;8260 STARS; 8270 STARS;OTHER = NY ASP CAT B; MS/MSD SEE ATTACHED CHAIN

Client: E S P L Environmental

Test Date Due: 08/09/06

Fax Data Due: 08/08/06

Hard Copy Due: 08/08/06

Client Project Name: 26100

Case #: 2903

Date Sampled: 07/26/06 Date Received: 07/26/06 Report Pkg: Other

Test: SOLIDS %

Sample Matrix: S

Test Description:

Mtx:A=Aqueous:S=Soil:O=Oil:K=Solid

By Method: _____

:F=Filters:P=Potable Water:G=Sludge:X=Other

SAMPLE IDENTIFICATION		ANALYTICAL DATA			LABORATORY CHRONICLE PREPARATION		ANALYSIS		
Field#	Sample#	RESULT	MDL	UNITS	DATE	INIT	DATE	INIT	PER
05-DP5 S	200607110	76.1	0.1	%	7/28	CD	7/28	CD	3171
05-DP4 S	200607111	72.2							3172
05-DP2 S	200607112	86.8							
MS S	200607113	72.8							
MSD S	200607114	67.5							

QUALITY CONTROL: _____

Method Blank : _____

Percent Spike Recovery : _____

Relative Percent Difference of Duplicate Samples : _____

Reviewed by: _____

Date: _____

RPT:Report05

LLC

20 Pershing Avenue
Carteret, NJ 07008

Phone (732) 969-6112

Fax (732) 541-1383

CHAIN OF CUSTODY FORM

10F2

33

STATE AGENCY NJ NY PA CT DE OTHER

CLIENT	ESPL		
ADDRESS	106 W 32nd st		
CITY	NY		
STATE	NY	ZIP	10001

PROJECT	26100
CONTACT	Ray Kahn
PHONE	212-330-7501
FAX	212-330-7505

ALI SAMPLE #	FIELD ID	*C	**M	DATE / TIME SAMPLED	SAMPLE DESCRIPTION	ANALYSIS
OS-DP 8 S	0607108	2	S	7/25/06	Grab	SVOC STAR 2260
~~OS-DP 7~~	~~0607109~~	~~2~~	~~S~~	~~7/26/06~~		
OS-DP 6 S	0607109	2	S	7/25/06		
OS-DP 5 S	0607110	2	S	7/26/06		
OS-DP 4 S	0607111	2	S	7/26/06		
OS-DP 2 S	0607112	2	S	7/26/06		
Matrix spike	0607113	2	S	7/26/06		
Matrix spike Dup	0607114	2	S	7/26/06		
OS-DP 8 A	0607115	3	A	7/25/06	Comp	SVOC STAR 2260
~~OS-DP 7~~	~~0607116~~	~~3~~	~~A~~	~~7/26/06~~		
OS-DP 6 A	0607116	3	A	7/25/06		
OS-DP 5 A	0607117	3	A	7/26/06		
OS-DP 4 A	0607118	3	A	7/26/06		
OS-DP 2 A	0607119	3	A	7/26/06		
Matrix spike	0607120	3	A	7/26/06		
Matrix spike Dup	0607121	3	A	7/26/06		

**M = MATRIX A=AQUEOUS S=SOIL G=SLUDGE P=POTABLE WATER O=OIL F=FILTER K=SOLID X=OTHER

*C = NO. CONTAINERS

TURNAROUND: _____ (If Blank, Std. 3 weeks)

DELIVERABLES (circle one)	STD	REDUCED	FULL	OTHER <u>VYSD Cat B</u>

RELINQUISHED BY:		RECEIVED BY:		ORGANIZATION	DATE	TIME	REASON
PRINT	SIGN	PRINT	SIGN				
A. Hashakhan		Joe Logan		APR 12	7/26/06		SVOC
26100				APR	7/26/06		Analysis

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: _____

SIGN: _____

COMMENTS	Temp 4 °C

ALI QUOTE#	
ALI CASE#	2903
P.O.#	

LLC

20 Pershing Avenue
Carteret, NJ 07008

CHAIN OF CUSTODY FORM

20F2



Phone (732) 969-6112

Fax (732) 541 1383

33

CLIENT	ESPL		
ADDRESS	106 W 32nd ST		
CITY	NY		
STATE	NY	ZIP	10001

STATE AGENCY NJ NY PA CT DE OTHER _____	
PROJECT	26100
CONTACT	Ray Kahn
PHONE	212-330-7501
FAX	212-330-7505

[illegible]

*C = NO. CONTAINERS	TURNAROUND: _____ (If Blank, Std. 3 weeks)

DELIVERABLES (circle one)	STD	REDUCED	<u>FULL</u>	OTHER _____

RELINQUISHED BY:		RECEIVED BY:		ORGANIZATION	DATE	TIME	REASON
PRINT	SIGN	PRINT	SIGN				
A. Hoshino Khari AAR CH		J. G. ALON J. G. Alon		AAR	7-16-08		Am. Inv.

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT:

SIGN:

COMMENTS	

ALI QUOTE#	
ALI CASE#	2903
P.O.#	

Accredited Analytical Resources, LLC

INTERNAL CHAIN OF CUSTODY

Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample	Laboratory: Accredited Analytical Resources Location: Carteret, NJ
Name: <u>Joe Logan</u>	Title: <u>SRO</u>
Field Sample Seal No. <u>none</u>	Date Broken: <u> </u> / <u> </u> / <u> </u> Military Time Seal Broken <u> </u>
Case No. 2903	☒ Check if No Seal on Sample Shuttle.

Field #	Laboratory #	Test Name	Date Sampled	Date Received
05-DP8 S	200607108	VO	07/25/06	07/26/06
05-DP6 S	200607109	VO	07/25/06	07/26/06
05-DP5 S	200607110	VO	07/26/06	07/26/06
05-DP4 S	200607111	VO	07/26/06	07/26/06
05-DP2 S	200607112	VO	07/26/06	07/26/06
MS S	200607113	VO	07/26/06	07/26/06
MSD S	200607114	VO	07/26/06	07/26/06
05-DP8 A	200607115	VO	07/25/06	07/26/06
05-DP6 A	200607116	VO	07/25/06	07/26/06
05-DP5 A	200607117	VO	07/26/06	07/26/06
05-DP4 A	200607118	VO	07/26/06	07/26/06
05-DP2 A	200607119	VO	07/26/06	07/26/06
MS A	200607120	VO	07/26/06	07/26/06
MSD A	200607121	VO	07/26/06	07/26/06
TRIPBLANK	200607122	VO	07/26/06	07/26/06
FIELDBLANK	200607123	VO	07/26/06	07/26/06

DATE	TIME	RELINQUISHED BY	RECEIVED BY	PURPOSE OF CHANGE OF CUSTODY
		Printed Name <u>Joe Logan</u>	Printed Name <u>Gary Fisch</u>	<u>Analysis</u>
		Signature <u>[Signature]</u>	Signature <u>[Signature]</u>	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	

Accredited Analytical Resources, LLC

INTERNAL CHAIN OF CUSTODY

Laboratory Person Breaking Field	Laboratory: Accredited Analytical Resources	Location: Carteret, NJ
Seal on Sample Shuttle & Accepting Responsibility for Sample	Name: <u>Joe Logan</u>	Title: <u>SRO</u>
Field Sample Seal No. <u>NONE</u>	Date Broken: <u> </u> / <u> </u> / <u> </u>	Military Time Seal Broken <u> </u>
Case No. 2903	☒ Check if No Seal on Sample Shuttle.	

Field #	Laboratory #	Test Name	Date Sampled	Date Received
05-DP8 S	200607108	PAH	07/25/06	07/26/06
05-DP6 S	200607109	PAH	07/25/06	07/26/06
05-DP5 S	200607110	PAH	07/26/06	07/26/06
05-DP4 S	200607111	PAH	07/26/06	07/26/06
05-DP2 S	200607112	PAH	07/26/06	07/26/06
MS S	200607113	PAH	07/26/06	07/26/06
MSD S	200607114	PAH	07/26/06	07/26/06
05-DP8 A	200607115	PAH	07/25/06	07/26/06
05-DP6 A	200607116	PAH	07/25/06	07/26/06
05-DP5 A	200607117	PAH	07/26/06	07/26/06
05-DP4 A	200607118	PAH	07/26/06	07/26/06
05-DP2 A	200607119	PAH	07/26/06	07/26/06
MS A	200607120	PAH	07/26/06	07/26/06
MSD A	200607121	PAH	07/26/06	07/26/06
FIELD BLANK	200607123	PAH	07/26/06	07/26/06

DATE	TIME	RELINQUISHED BY	RECEIVED BY	PURPOSE OF CHANGE OF CUSTODY
7/28/06	600	Printed Name <u>Joe Logan</u> Signature <u>[Signature]</u>	Printed Name <u>E. Simko</u> Signature <u>[Signature]</u>	Extraction 0607115-23 (A ₂ Depleted)
		Printed Name <u> </u> Signature <u> </u>	Printed Name <u> </u> Signature <u> </u>	Extract Storage
7/28/06	800	Printed Name <u>E. Simko</u> Signature <u>[Signature]</u>	Printed Name <u>Muniz</u> Signature <u>[Signature]</u>	Analysis
7/31/06	600	Printed Name <u>Joe Logan</u> Signature <u>[Signature]</u>	Printed Name <u>E. Simko</u> Signature <u>[Signature]</u>	Extraction 0607108-114 (soil)
7/31/06	800	Printed Name <u>E. Simko</u> Signature <u>[Signature]</u>	Printed Name <u>Joe Logan</u> Signature <u>[Signature]</u>	Cold Storage
		Printed Name <u> </u> Signature <u> </u>	Printed Name <u> </u> Signature <u> </u>	Extract Storage
		Printed Name <u>E. Simko</u> Signature <u>[Signature]</u>	Printed Name <u>Muniz</u> Signature <u>[Signature]</u>	Analysis

Accredited Analytical Resources, LLC

INTERNAL CHAIN OF CUSTODY

Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample	Laboratory: Accredited Analytical Resources Location: Carteret, NJ
Name: <u>Joe Logan</u>	Title: <u>SRC</u>
Field Sample Seal No. <u>none</u>	Date Broken: <u> </u> / <u> </u> / <u> </u> Military Time Seal Broken <u> </u>
Case No. 2903	☒ Check if No Seal on Sample Shuttle.

Field #	Laboratory #	Test Name	Date Sampled	Date Received
05-DP8 S	200607108	SOLIDS %	07/25/06	07/26/06
05-DP6 S	200607109	SOLIDS %	07/25/06	07/26/06
05-DP5 S	200607110	SOLIDS %	07/26/06	07/26/06
05-DP4 S	200607111	SOLIDS %	07/26/06	07/26/06
05-DP2 S	200607112	SOLIDS %	07/26/06	07/26/06
MS S	200607113	SOLIDS %	07/26/06	07/26/06
MSD S	200607114	SOLIDS %	07/26/06	07/26/06

DATE	TIME	RELINQUISHED BY	RECEIVED BY	PURPOSE OF CHANGE OF CUSTODY
7/28/06		Printed Name <u>Joe Logan</u> Signature <u>[Signature]</u>	Printed Name <u>Cyril Dahl</u> Signature <u>[Signature]</u>	Analysis
7/28/06		Printed Name <u>Cyril Dahl</u> Signature <u>[Signature]</u>	Printed Name <u>Joe Logan</u> Signature <u>[Signature]</u>	Cold Storage
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	

Qualifiers
(Organics)

The EPA-defined qualifiers to be used in the organic analysis are as follows:

- U - Indicates compound was analyzed for but not detected.
- J - Indicates an estimated value. The flag is used under the following circumstances: 1) when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, 2) when the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the CRQL but greater than zero, 3) when the retention time data indicate the presence of a compound that meets the pesticide/aroclor identification criteria and the result is less than the CRQL but greater than zero.
- N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search.
- P - This flag is used for a pesticide/aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns (see Form X). The lower of the two values is reported on Form I and flagged with a "P".
- C - This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- B - This flag is used when the analyte is found in the associated blank as well as in the sample.
- E - This flag identifies compounds whose concentrations exceed the calibration range of the GC/MS instrument for that specific analysis. If one or more compounds have a response greater than full scale, except as noted in QA/QC requirements, the sample or extract must be diluted and re-analyzed according to the specifications in QA/QC requirements. All such compounds with a response greater than full scale should have the concentration flagged with an "E" on the Form I for the original analysis. If the dilution of the extract causes any compounds identified in the first analysis to be below the calibration range in the second analysis, then the results of both analyses shall be reported on separate copies of Form I. The Form I for the diluted sample shall have the "DL" suffix appended to the sample number.
- D - This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor, as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and all concentration values reported on that Form I are flagged with the "D" flag.
- A - This flag indicates that a TIC is a suspected aldol-condensation product.

Accredited Analytical Resources
GC/MS-Volatiles INSTRUMENT DETECTION LIMITS (IDL)

Instrument ID: HP5971D
Date Analyzed: 6/22/2006
Analyst: Gary

	REP1	REP2	REP3	AVERAGE	STD DEV	IDL
Acrolein	26.24	25.17	25.88	25.76	0.54	3.79
Acrylonitrile	24.68	28.9	26.8	26.79	2.11	14.70
Acetone	8.86	7.1	7.39	7.72	0.83	5.78
Dichlorodifluoromethane	4.7	4.45	4	4.38	0.35	2.47
Chloromethane	7.81	7.19	7.07	7.36	0.40	2.77
Vinyl Chloride	7.85	8	7.68	7.84	0.16	1.12
Bromomethane	7.79	6.6	5.92	6.77	0.95	6.59
Chloroethane	8.64	8.66	8.92	8.74	0.16	1.09
Trichlorofluoromethane	8.04	8.23	7.95	8.07	0.14	1.00
1,1-Dichloroethene	4.54	4.99	4.9	4.81	0.24	1.66
Carbon disulfide	4.04	4.31	3.97	4.11	0.18	1.25
Methylene Chloride	8.9	10.7	9.61	9.74	0.91	6.31
trans-1,2-Dichloroethene	4.44	4.95	4.67	4.69	0.26	1.78
1,1-Dichloroethane	4.3	5	4.57	4.62	0.35	2.46
Vinyl acetate	4.34	5.19	4.55	4.69	0.44	3.08
2,2-Dichloropropane	4.77	4.93	4.77	4.82	0.09	0.64
2-Butanone	5.28	6	5.2	5.49	0.44	3.07
cis-1,2-Dichloroethene	5.15	5.56	5.56	5.42	0.24	1.65
Chloroform	4.65	4.98	4.79	4.81	0.17	1.15
Bromochloromethane	4.74	4.91	4.85	4.83	0.09	0.60
1,1,1-Trichloroethane	4.57	4.65	4.44	4.55	0.11	0.74
T-butyl alcohol	51.08	52.53	46.91	50.17	2.92	20.32
1,1-Dichloropropene	5.12	5.19	5.31	5.21	0.10	0.67
Carbon Tetrachloride	5.43	4.7	4.73	4.95	0.41	2.88
1,2-Dichloroethane	4.75	4.91	4.79	4.82	0.08	0.58
Benzene	5.26	5.24	5.28	5.26	0.02	0.14
Trichloroethene	4.75	4.89	4.95	4.86	0.10	0.71
1,2-Dichloropropane	4.9	4.95	4.98	4.94	0.04	0.28
Bromodichloromethane	4.4	4.3	4.31	4.34	0.06	0.38
Dibromomethane	4.5	4.65	4.23	4.46	0.21	1.48
2-Chloroethylvinylether	4.45	4.58	4.7	4.58	0.13	0.87
cis-1,3-Dichloropropene	4.54	4.73	4.76	4.68	0.12	0.83
Toluene	5.29	5.23	5.32	5.28	0.05	0.32
trans-1,3-dichloropropene	4.37	4.41	4.3	4.36	0.06	0.39
1,1,2-Trichloroethane	4.85	4.63	4.86	4.78	0.13	0.91
4-methyl-2-pentanone	5.05	4.95	5.13	5.04	0.09	0.63
1,2-Dibromoethane	4.46	4.64	4.47	4.52	0.10	0.70
2-Hexanone	4.13	4.67	4.5	4.43	0.28	1.92
1,3-dichloropropane	5.02	5.04	4.88	4.98	0.09	0.61
Tetrachloroethene	4.78	4.93	4.95	4.89	0.09	0.65
Dibromochloromethane	4.07	4.19	3.96	4.07	0.12	0.80
Ethylbenzene	5.24	5.28	5.4	5.31	0.08	0.58
Chlorobenzene	4.9	5.08	5.02	5.00	0.09	0.64
1,1,1,2-Tetrachloroethane	4.64	4.63	4.59	4.62	0.03	0.18
m,p-Xylene	11.13	11.15	11.26	11.18	0.07	0.49
o-Xylene	11.02	11.01	11.3	11.11	0.16	1.15
Styrene	10.92	11	10.99	10.97	0.04	0.30
Bromoform	4.02	3.37	3.57	3.65	0.33	2.32
Isopropylbenzene	4.74	5.03	5.04	4.94	0.17	1.19
1,1,2,2-Tetrachloroethane	4.62	5	4.84	4.82	0.19	1.33
1,2,3-Trichloropropane	5.07	5.07	4.95	5.03	0.07	0.48
n-Propyl benzene	4.99	5.32	5.39	5.23	0.21	1.49
Bromobenzene	4.55	4.96	4.76	4.76	0.21	1.43
1,3,5-Trimethylbenzene	4.83	4.99	5.05	4.96	0.11	0.79
2-Chlorotoluene	5.4	5.57	5.7	5.56	0.15	1.05
4-Chlorotoluene	4.98	5.14	5.25	5.12	0.14	0.95
tert-Butylbenzene	4.64	5.12	4.91	4.89	0.24	1.68
1,2,4-Trimethylbenzene	4.73	5.03	5.14	4.97	0.21	1.48
sec-Butylbenzene	4.84	5.24	5.29	5.12	0.25	1.72
p-Isopropyltoluene	4.86	5.19	5.1	5.05	0.17	1.19
1,3-Dichlorobenzene	4.7	4.87	4.85	4.84	0.13	0.89
1,4-Dichlorobenzene	4.7	4.87	4.95	4.84	0.13	0.89
n-Butylbenzene	4.7	5.03	5.11	4.95	0.22	1.51
1,2-Dichlorobenzene	4.64	4.98	4.79	4.80	0.17	1.19
1,2-Dibromo-3-Chloropropane	3.67	4.14	3.99	3.93	0.24	1.67
1,2,4-Trichlorobenzene	4.43	4.69	4.57	4.56	0.13	0.91
Hexachlorobutadiene	4.06	4.76	4.75	4.52	0.40	2.79
Naphthalene	4.67	4.73	4.83	4.74	0.08	0.56
1,2,3-Trichlorobenzene	4.4	4.47	4.4	4.43	0.04	0.25
Methyl-t-butyl ether	9.29	10.44	9.75	9.83	0.58	4.03

V-21

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____

	EPA SAMPLE NO.	SMC1 (DCE- #	SMC2 (TOL- #	SMC3 (BFB) #	TOT OUT
01	VLKM70	89	97	92	0
02	TRIPBLANK	92	97	92	0
03	FIELDBLANK	92	97	93	0
04	VLKM70MS	92	96	90	0
05	05-DP8 A	92	97	92	0
06	05-DP6 A	91	97	94	0
07	05-DP5 A	97	98	96	0
08	05-DP4 A	92	97	96	0
09	05-DP2 A	91	95	96	0
10	MS A	93	98	97	0
11	MSD A	91	97	98	0
12	05-DP2 ADL	92	96	100	0

QC LIMITS

SMC1	(DCE-	=	1,2-Dichloroethane-d4	(76-114)
SMC2	(TOL-	=	Toluene-d8	(88-110)
SMC3	(BFB)	=	Bromofluorobenzene	(86-115)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: ACCREDITED ANALYTICAL RES Contract: _____
 Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____
 Level: (low/med) LOW

	EPA SAMPLE NO.	SMC1 (DCE- #)	SMC2 (TOL- #)	SMC3 (BFB) #	TOT OUT
01	VBLKD58	104	99	92	0
02	VBLKD58MS	98	99	93	0
03	05-DP8 S	100	97	101	0
04	05-DP4 S	110	104	100	0
05	MS S	106	98	186 *	1
06	MSD S	112	96	152 *	1
07	05-DP2 S	111	106	116	0
08	05-DP4 SDL	105	99	102	0
09	05-DP5 SDL	110	108	130 *	1
10	VBLKD59	99	98	95	0
11	05-DP6 S	110	106	117	0
12	05-DP5 S	144 *	87	208 *	2

QC LIMITS

SMC1 (DCE- = 1,2-Dichloroethane-d4 (70-121)
 SMC2 (TOL- = Toluene-d8 (81-117)
 SMC3 (BFB) = Bromofluorobenzene (74-121)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ACCREDITED ANALYTICAL RES Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix Spike - EPA Sample No VLKM70

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	50	0.0	62	124	61 - 145
Benzene	50	0.0	56	112	76 - 127
Trichloroethene	50	0.0	52	104	71 - 120
Toluene	50	0.0	52	104	76 - 125
Chlorobenzene	50	0.0	50	100	75 - 130

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ACCREDITED ANALYTICAL RES Contract: _____Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____Matrix Spike - EPA Sample No. VBLKD58 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	50	0.0	55	110	59 - 172
Benzene	50	0.0	48	96	66 - 142
Trichloroethene	50	0.0	43	86	62 - 137
Toluene	50	0.0	44	88	59 - 139
Chlorobenzene	50	0.0	45	90	60 - 133

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ACCREDITED ANALYTICAL RES Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix Spike - EPA Sample No MS A _____

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	50	0.0	64	128	61 - 145
Benzene	50	0.0	58	116	76 - 127
Trichloroethene	50	0.0	54	108	71 - 120
Toluene	50	0.0	56	112	76 - 125
Chlorobenzene	50	0.0	52	104	75 - 130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS	
					RPD	REC.
1,1-Dichloroethene	50	62	124	3	14	61 - 145
Benzene	50	57	114	2	11	76 - 127
Trichloroethene	50	52	104	4	14	71 - 120
Toluene	50	54	108	4	13	76 - 125
Chlorobenzene	50	51	102	2	13	75 - 130

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

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS: _____

V-5

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ACCREDITED ANALYTICAL RES Contract: _____Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____Matrix Spike - EPA Sample No. MS S Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	50	0.0	58	116	59 - 172
Benzene	50	0.0	48	96	66 - 142
Trichloroethene	50	0.0	50	100	62 - 137
Toluene	50	0.0	47	94	59 - 139
Chlorobenzene	50	1.2	50	98	60 - 133

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS	
					RPD	REC.
1,1-Dichloroethene	50	54	108	7	22	59 - 172
Benzene	50	47	94	2	21	66 - 142
Trichloroethene	50	46	92	8	22	62 - 137
Toluene	50	51	102	8	21	59 - 139
Chlorobenzene	50	50	98	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 limits

COMMENTS: _____

V-6

VOLATILE METHOD BLANK SUMMARY

VBLKM70

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____

Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____

Lab File ID: M7173.D Lab Sample ID: VBLKM70

Date Analyzed: 7/28/06 Time Analyzed: 9:45

GC Column: Rtx-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: HP5971M

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	TRIPBLANK	0607122	M7178.D	12:30
02	FIELD BLANK	0607123	M7179.D	13:03
03	VBLKM70MS	VBLKM70MS	M7180.D	13:36
04	05-DP8 A	0607115	M7181.D	14:09
05	05-DP6 A	0607116	M7182.D	14:41
06	05-DP5 A	0607117	M7183.D	15:14
07	05-DP4 A	0607118	M7184.D	15:47
08	05-DP2 A	0607119	M7185.D	16:20
09	MS A	0607120 MS	M7186.D	16:52
10	MSD A	0607121 MSD	M7187.D	17:26
11	05-DP2 ADL	0607119DL	M7189.D	18:34

COMMENTS

V-7

VOLATILE METHOD BLANK SUMMARY

VBLKD58

Lab Name: ACCREDITED ANALYTICAL RES Contract: _____
Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____
Lab File ID: D4360.D Lab Sample ID: VBLKD58
Date Analyzed: 8/1/06 Time Analyzed: 11:04
GC Column: Rtx-624 ID: 0.18 (mm) Heated Purge: (Y/N) Y
Instrument ID: HP5971

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VBLKD58MS	VBLKD58MS	D4364.D	13:27
02	05-DP8 S	0607108	D4365.D	13:59
03	05-DP4 S	0607111	D4368.D	15:43
04	MS S	0607113MS	D4369.D	16:17
05	MSD S	0607114MSD	D4370.D	16:52
06	05-DP2 S	0607112	D4371.D	17:27
07	05-DP4 SDL	0607111DL	D4376.D	20:19
08	05-DP5 SDL	0607110DL	D4377.D	20:54

COMMENTS

V-8

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKD59

Lab Name: ACCREDITED ANALYTICAL RES Contract: _____
Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____
Lab File ID: D4389.D Lab Sample ID: VBLKD59
Date Analyzed: 8/2/06 Time Analyzed: 9:59
GC Column: Rtx-624 ID: 0.18 (mm) Heated Purge: (Y/N) Y
Instrument ID: HP5971

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	05-DP6 S	0607109	D4392.D	11:49
02	05-DP5 S	0607110	D4396.D	14:02

COMMENTS

V-9

**VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)**

Lab Name: ACCREDITED ANALYTICAL RES Contract: _____
 Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____
 Lab File ID: M6700.D BFB Injection Date: 7/3/06
 Instrument ID: HP5971M BFB Injection Time: 9:47
 GC Column: Rtx-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	16.6
75	30.0 - 66.0% of mass 95	41.7
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	68.7
175	4.0 - 9.0% of mass 174	5.0 (7.2)1
176	93.0 - 101.0% of mass 174	66.5 (96.8)1
177	5.0 - 9.0% of mass 176	4.4 (6.6)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	VSTD050	M6701.D	7/3/06	10:02
02	VSTD020	VSTD020	M6702.D	7/3/06	10:37
03	VSTD010	VSTD010	M6703.D	7/3/06	11:11
04	VSTD100	VSTD100	M6704.D	7/3/06	11:54
05	VSTD200	VSTD200	M6705.D	7/3/06	12:28

**VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)**

Lab Name: ACCREDITED ANALYTICAL RES Contract: _____
 Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____
 Lab File ID: D4104.D BFB Injection Date: 7/18/06
 Instrument ID: HP5971D BFB Injection Time: 9:36
 GC Column: Rtx-624 ID: 0.18 (mm) Heated Purge: (Y/N) Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	22.3
75	30.0 - 66.0% of mass 95	47.4
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	61.6
175	4.0 - 9.0% of mass 174	4.1 (6.6)1
176	93.0 - 101.0% of mass 174	59.1 (95.9)1
177	5.0 - 9.0% of mass 176	3.9 (6.6)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD010	VSTD010	D4105.D	7/18/06	9:51
02	VSTD020	VSTD020	D4106.D	7/18/06	10:31
03	VSTD050	VSTD050	D4107.D	7/18/06	11:04
04	VSTD100	VSTD100	D4108.D	7/18/06	11:42
05	VSTD200	VSTD200	D4110.D	7/18/06	12:58

**VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)**

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____
 Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____
 Lab File ID: M7170.D BFB Injection Date: 7/28/06
 Instrument ID: HP5971M BFB Injection Time: 8:22
 GC Column: Rtx-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	16.3
75	30.0 - 66.0% of mass 95	41.2
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	62.6
175	4.0 - 9.0% of mass 174	4.6 (7.4)1
176	93.0 - 101.0% of mass 174	61.2 (97.8)1
177	5.0 - 9.0% of mass 176	4.0 (6.5)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	VSTD050	M7171.D	7/28/06	8:37
02	VLKM70	VLKM70	M7173.D	7/28/06	9:45
03	TRIPBLANK	0607122	M7178.D	7/28/06	12:30
04	FIELDBLANK	0607123	M7179.D	7/28/06	13:03
05	VLKM70MS	VLKM70MS	M7180.D	7/28/06	13:36
06	05-DP8 A	0607115	M7181.D	7/28/06	14:09
07	05-DP6 A	0607116	M7182.D	7/28/06	14:41
08	05-DP5 A	0607117	M7183.D	7/28/06	15:14
09	05-DP4 A	0607118	M7184.D	7/28/06	15:47
10	05-DP2 A	0607119	M7185.D	7/28/06	16:20
11	MS A	0607120 MS	M7186.D	7/28/06	16:52
12	MSD A	0607121 MSD	M7187.D	7/28/06	17:26
13	05-DP2 ADL	0607119DL	M7189.D	7/28/06	18:34

**VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)**

Lab Name: ACCREDITED ANALYTICAL RES Contract: _____
 Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____
 Lab File ID: D4357.D BFB Injection Date: 8/1/06
 Instrument ID: HP5971 BFB Injection Time: 9:44
 GC Column: Rtx-624 ID: 0.18 (mm) Heated Purge: (Y/N) Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	24.5
75	30.0 - 66.0% of mass 95	49.7
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	55.1
175	4.0 - 9.0% of mass 174	4.0 (7.2)1
176	93.0 - 101.0% of mass 174	52.9 (96.0)1
177	5.0 - 9.0% of mass 176	3.7 (7.0)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	VSTD050	D4358.D	8/1/06	9:59
02	VLKD58	VLKD58	D4360.D	8/1/06	11:04
03	VLKD58MS	VLKD58MS	D4364.D	8/1/06	13:27
04	05-DP8 S	0607108	D4365.D	8/1/06	13:59
05	05-DP4 S	0607111	D4368.D	8/1/06	15:43
06	MS S	0607113MS	D4369.D	8/1/06	16:17
07	MSD S	0607114MSD	D4370.D	8/1/06	16:52
08	05-DP2 S	0607112	D4371.D	8/1/06	17:27
09	05-DP4 SDL	0607111DL	D4376.D	8/1/06	20:19
10	05-DP5 SDL	0607110DL	D4377.D	8/1/06	20:54

**VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)**

Lab Name: ACCREDITED ANALYTICAL RES. Contract: _____
 Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____
 Lab File ID: D4386.D BFB Injection Date: 8/2/06
 Instrument ID: HP5971 BFB Injection Time: 8:32
 GC Column: Rtx-624 ID: 0.18 (mm) Heated Purge: (Y/N) Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	23.2
75	30.0 - 66.0% of mass 95	45.9
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0.2 (0.3)1
174	50.0 - 120.0% of mass 95	58.9
175	4.0 - 9.0% of mass 174	4.3 (7.3)1
176	93.0 - 101.0% of mass 174	58.6 (99.3)1
177	5.0 - 9.0% of mass 176	4.0 (6.8)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	VSTD050	D4387.D	8/2/06	8:47
02	VBLKD59	VBLKD59	D4389.D	8/2/06	9:59
03	05-DP6 S	0607109	D4392.D	8/2/06	11:49
04	05-DP5 S	0607110	D4396.D	8/2/06	14:02

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____
 Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____
 Lab File ID (Standard): M7171.D Date Analyzed: 7/28/06
 Instrument ID: HP5971M Time Analyzed: 8:37
 GC Column: Rtx-624 ID: 0.18 (mm) Heated Purge (Y/N): N

	IS1(PFB)		IS2(DFB)		IS3(CBZ)	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	190195	7.47	411988	8.61	363085	13.81
UPPER LIMIT	380390	7.97	823976	9.11	726170	14.31
LOWER LIMIT	95098	6.97	205994	8.11	181543	13.31
EPA SAMPLE NO.						
01 VBLKM70	198995	7.48	440607	8.62	378643	13.82
02 TRIPBLANK	177275	7.48	394741	8.63	344581	13.82
03 FIELDBLANK	175370	7.48	392442	8.62	343982	13.82
04 VBLKM70MS	153405	7.48	351534	8.62	305353	13.82
05 05-DP8 A	163804	7.49	376793	8.62	327643	13.82
06 05-DP6 A	168002	7.49	380921	8.63	331054	13.82
07 05-DP5 A	174958	7.49	391294	8.63	347167	13.83
08 05-DP4 A	167322	7.49	377099	8.63	329477	13.82
09 05-DP2 A	174490	7.49	399335	8.62	348144	13.82
10 MS A	159504	7.49	360439	8.62	321372	13.82
11 MSD A	160929	7.48	363196	8.62	321403	13.81
12 05-DP2 ADL	161120	7.48	360380	8.61	323885	13.80

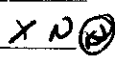
IS1 (PFB) = Pentafluorobenzene
 IS2 (DFB) = 1,4-Difluorobenzene
 IS3 (CBZ) = Chlorobenzene-d5
 IS4 (DCB) = 1,4-Dichlorobenzene-d4

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 to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____
 Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____
 Lab File ID (Standard): M7171.D Date Analyzed: 07/28/06
 Instrument ID: HP5971M Time Analyzed: 08:37
 GC Column: Rtx-624 ID: 0.18 (mm) Heated Purge (Y/N): X N 

	IS4(DCB)					
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	140122	19.99				
UPPER LIMIT	280244	19.49				
LOWER LIMIT	70061	20.49				
EPA SAMPLE NO.						
01 VBLKM70	141328	20.00				
02 TRIPBLANK	128341	20.00				
03 FIELDBLANK	126632	20.00				
04 VBLKM70MS	110153	20.00				
05 05-DP8 A	123232	20.00				
06 05-DP6 A	125351	20.00				
07 05-DP5 A	126564	20.00				
08 05-DP4 A	123919	20.00				
09 05-DP2 A	130045	20.00				
10 MS A	119210	20.00				
11 MSD A	120257	19.99				
12 05-DP2 ADL	127012	19.99				

IS1 (PFB) = Pentafluorobenzene
 IS2 (DFB) = 1,4-Difluorobenzene
 IS3 (CBZ) = Chlorobenzene-d5
 IS4 (DCB) = 1,4-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 to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ACCREDITED ANALYTICAL RES Contract: _____
 Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____
 Lab File ID (Standard): D4358.D Date Analyzed: 8/1/06
 Instrument ID: HP5971 Time Analyzed: 9:59
 GC Column: Rtx-624 ID: 0.18 (mm) Heated Purge (Y/N): Y

	IS1(PFB)		IS2(DFB)		IS3(CBZ)	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	382574	6.42	829961	7.47	670173	11.76
UPPER LIMIT	765148	6.92	1659922	7.97	1340346	12.26
LOWER LIMIT	191287	5.92	414981	6.97	335087	11.26
EPA SAMPLE NO.						
01 VBLKD58	385482	6.46	819052	7.50	667959	11.75
02 VBLKD58MS	388313	6.43	790724	7.49	641764	11.77
03 05-DP8 S	345124	6.46	719830	7.52	582568	11.76
04 05-DP4 S	325178	6.42	704030	7.49	606757	11.77
05 MS S	238592	6.42	514903	7.48	398607	11.77
06 MSD S	262715	6.43	561795	7.48	422953	11.78
07 05-DP2 S	297342	6.43	628317	7.52	560131	11.77
08 05-DP4 SDL	308720	6.42	665427	7.48	543651	11.76
09 05-DP5 SDL	307720	6.45	651386	7.54	568299	11.77

IS1 (PFB) = Pentafluorobenzene
 IS2 (DFB) = 1,4-Difluorobenzene
 IS3 (CBZ) = Chlorobenzene-d5
 IS4 (DCB) = 1,4-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 to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ACCREDITED ANALYTICAL RES Contract: _____
 Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____
 Lab File ID (Standard): D4358.D Date Analyzed: 08/01/06
 Instrument ID: HP5971 Time Analyzed: 09:59
 GC Column: Rtx-624 ID: 0.18 (mm) Heated Purge (Y/N): XY

	IS4(DCB)					
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	279020	14.77				
UPPER LIMIT	558040	14.27				
LOWER LIMIT	139510	15.27				
EPA SAMPLE NO.						
01 VBLKD58	284098	14.76				
02 VBLKD58MS	278310	14.77				
03 05-DP8 S	242195	14.77				
04 05-DP4 S	232034	14.77				
05 MS S	141927	14.78				
06 MSD S	136159 *	14.78				
07 05-DP2 S	223807	14.78				
08 05-DP4 SDL	240661	14.77				
09 05-DP5 SDL	232391	14.77				

IS1 (PFB) = Pentafluorobenzene
 IS2 (DFB) = 1,4-Difluorobenzene
 IS3 (CBZ) = Chlorobenzene-d5
 IS4 (DCB) = 1,4-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 to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ACCREDITED ANALYTICAL RES Contract: _____
 Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____
 Lab File ID (Standard): D4387.D Date Analyzed: 8/2/06
 Instrument ID: HP5971 Time Analyzed: 8:47
 GC Column: Rtx-624 ID: 0.18 (mm) Heated Purge (Y/N): Y

	IS1(PFB) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
12 HOUR STD	345531	6.42	736229	7.47	593163	11.76
UPPER LIMIT	691062	6.92	1472458	7.97	1186326	12.26
LOWER LIMIT	172766	5.92	368115	6.97	296582	11.26
EPA SAMPLE NO.						
01 VBLKD59	320075	6.42	669852	7.50	559903	11.77
02 05-DP6 S	327881	6.45	653671	7.55	585838	11.77
03 05-DP5 S	254141	6.46	494560	7.52	321642	11.79

IS1 (PFB) = Pentafluorobenzene
 IS2 (DFB) = 1,4-Difluorobenzene
 IS3 (CBZ) = Chlorobenzene-d5
 IS4 (DCB) = 1,4-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 to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ACCREDITED ANALYTICAL RES Contract: _____
 Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____
 Lab File ID (Standard): D4387.D Date Analyzed: 08/02/06
 Instrument ID: HP5971 Time Analyzed: 08:47
 GC Column: Rtx-624 ID: 0.18 (mm) Heated Purge (Y/N): ~~N~~ Y 

	IS4(DCB)					
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	244968	14.77				
UPPER LIMIT	489936	14.27				
LOWER LIMIT	122484	15.27				
EPA SAMPLE NO.						
01 VBLKD59	246938	14.77				
02 05-DP6 S	245491	14.77				
03 05-DP5 S	109564 *	14.79				

IS1 (PFB) = Pentafluorobenzene
 IS2 (DFB) = 1,4-Difluorobenzene
 IS3 (CBZ) = Chlorobenzene-d5
 IS4 (DCB) = 1,4-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 to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

05-DP8 S

Lab Name: ACCREDITED ANALYTICAL RES Contract: _____

Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 0607108

Sample wt/vol: 5.0 (g/ml) G Lab File ID: D4365.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. 21.6 Date Analyzed: 8/1/06

GC Column: Rtx-624 ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
71432	Benzene		3	U
108883	Toluene		3	U
100414	Ethylbenzene		3	U
1330207	m,p-Xylene		3	U
95476	o-Xylene		3	U
98828	Isopropylbenzene		2	
103651	n-Propyl benzene		1	U
108678	1,3,5-Trimethylbenzene		1	U
98066	tert-Butylbenzene		1	U
95636	1,2,4-Trimethylbenzene		30	
135988	sec-Butylbenzene		3	
99876	p-Isopropyltoluene		4	
104518	n-Butylbenzene		11	
1634044	Methyl t-butyl ether		1	U

V-22

VOLATILE ORGANICS ANALYSIS DATA SHEET

05-DP6 S

Lab Name: ACCREDITED ANALYTICAL RES Contract: _____

Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 0607109

Sample wt/vol: 5.0 (g/ml) G Lab File ID: D4392.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. 23 Date Analyzed: 8/2/06

GC Column: Rtx-624 ID: 0.18 (mm) Dilution Factor: 20.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
71432	Benzene	52	U	
108883	Toluene	52	U	
100414	Ethylbenzene	52	U	
1330207	m,p-Xylene	52	D	✓
95476	o-Xylene	89	D	✓
98828	Isopropylbenzene	150	D	✓
103651	n-Propyl benzene	320	D	✓
108678	1,3,5-Trimethylbenzene	26	U	
98066	tert-Butylbenzene	26	U	
95636	1,2,4-Trimethylbenzene	2500	D	✓
135988	sec-Butylbenzene	100	D	✓
99876	p-Isopropyltoluene	130	D	✓
104518	n-Butylbenzene	500	D	✓
1634044	Methyl t-butyl ether	26	U	

VOLATILE ORGANICS ANALYSIS DATA SHEET

05-DP5 S

Lab Name: ACCREDITED ANALYTICAL RES Contract: _____

Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 0607110

Sample wt/vol: 5.0 (g/ml) G Lab File ID: D4396.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. 23.9 Date Analyzed: 8/2/06

GC Column: Rtx-624 ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

71432	Benzene	3	U
108883	Toluene	3	U
100414	Ethylbenzene	3	U
1330207	m,p-Xylene	3	U
95476	o-Xylene	3	U
98828	Isopropylbenzene	27	
103651	n-Propyl benzene	150	
108678	1,3,5-Trimethylbenzene	45	
98066	tert-Butylbenzene	1	U
95636	1,2,4-Trimethylbenzene	420	E
135988	sec-Butylbenzene	74	
99876	p-Isopropyltoluene	70	
104518	n-Butylbenzene	370	E
1634044	Methyl t-butyl ether	1	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

05-DP5 SDL

Lab Name: ACCREDITED ANALYTICAL RES Contract: _____

Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 0607110DL

Sample wt/vol: 5.0 (g/ml) G Lab File ID: D4377.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. 23.9 Date Analyzed: 8/1/06

GC Column: Rtx-624 ID: 0.18 (mm) Dilution Factor: 20.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

71432	Benzene	53	U
108883	Toluene	53	U
100414	Ethylbenzene	53	U
1330207	m,p-Xylene	53	U
95476	o-Xylene	53	U
98828	Isopropylbenzene	54	D
103651	n-Propyl benzene	370	D
108678	1,3,5-Trimethylbenzene	92	D
98066	tert-Butylbenzene	26	U
95636	1,2,4-Trimethylbenzene	920	D
135988	sec-Butylbenzene	180	D
99876	p-Isopropyltoluene	170	D
104518	n-Butylbenzene	920	D
1634044	Methyl t-butyl ether	26	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

05-DP4 S

Lab Name: ACCREDITED ANALYTICAL RES Contract: _____

Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 0607111

Sample wt/vol: 5.0 (g/ml) G Lab File ID: D4368.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. 27.8 Date Analyzed: 8/1/06

GC Column: Rtx-624 ID: 0.18 (mm) Dilution Factor: 20.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

71432	Benzene	56	U
108883	Toluene	56	U
100414	Ethylbenzene	620	D
1330207	m,p-Xylene	8500	D
95476	o-Xylene	4500	D
98828	Isopropylbenzene	910	D
103651	n-Propyl benzene	1600	D
108678	1,3,5-Trimethylbenzene	4400	D
98066	tert-Butylbenzene	28	U
95636	1,2,4-Trimethylbenzene	9200	ED
135988	sec-Butylbenzene	280	D
99876	p-Isopropyltoluene	370	D
104518	n-Butylbenzene	1300	D
1634044	Methyl t-butyl ether	28	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

05-DP4 SDL

Lab Name: ACCREDITED ANALYTICAL RES Contract: _____

Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 0607111DL

Sample wt/vol: 5.0 (g/ml) G Lab File ID: D4376.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. 27.8 Date Analyzed: 8/1/06

GC Column: Rtx-624 ID: 0.18 (mm) Dilution Factor: 100.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

71432	Benzene	280	U
108883	Toluene	280	U
100414	Ethylbenzene	630	D
1330207	m,p-Xylene	12000	D
95476	o-Xylene	5200	D
98828	Isopropylbenzene	790	D
103651	n-Propyl benzene	1500	D
108678	1,3,5-Trimethylbenzene	4400	D
98066	tert-Butylbenzene	140	U
95636	1,2,4-Trimethylbenzene	11000	D
135988	sec-Butylbenzene	260	D
99876	p-Isopropyltoluene	340	D
104518	n-Butylbenzene	1400	D
1634044	Methyl t-butyl ether	140	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

05-DP2 S

Lab Name: ACCREDITED ANALYTICAL RES Contract: _____

Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 0607112

Sample wt/vol: 5.0 (g/ml) G Lab File ID: D4371.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. 13.2 Date Analyzed: 8/1/06

GC Column: Rtx-624 ID: 0.18 (mm) Dilution Factor: 20.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

71432	Benzene	46	U
108883	Toluene	46	U
100414	Ethylbenzene	46	U
1330207	m,p-Xylene	85	D ✓
95476	o-Xylene	47	D ✓
98828	Isopropylbenzene	190	D ✓
103651	n-Propyl benzene	430	D ✓
108678	1,3,5-Trimethylbenzene	890	D ✓
98066	tert-Butylbenzene	23	U
95636	1,2,4-Trimethylbenzene	1300	D ✓
135988	sec-Butylbenzene	98	D ✓
99876	p-Isopropyltoluene	150	D ✓
104518	n-Butylbenzene	520	D ✓
1634044	Methyl t-butyl ether	23	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

MS S

Lab Name: ACCREDITED ANALYTICAL RES Contract: _____

Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 0607113MS

Sample wt/vol: 5.0 (g/ml) G Lab File ID: D4369.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. 0 Date Analyzed: 8/1/06

GC Column: Rtx-624 ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

71432	Benzene	48	
108883	Toluene	47	
100414	Ethylbenzene	82	
1330207	m,p-Xylene	720	E
95476	o-Xylene	520	E
98828	Isopropylbenzene	120	
103651	n-Propyl benzene	190	
108678	1,3,5-Trimethylbenzene	470	E
98066	tert-Butylbenzene	1	U
95636	1,2,4-Trimethylbenzene	820	E
135988	sec-Butylbenzene	36	
99876	p-Isopropyltoluene	49	
104518	n-Butylbenzene	160	
1634044	Methyl t-butyl ether	1	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

MSD S

Lab Name: ACCREDITED ANALYTICAL RES Contract: _____Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____Matrix: (soil/water) SOIL Lab Sample ID: 0607114MSDSample wt/vol: 5.0 (g/ml) G Lab File ID: D4370.DLevel: (low/med) LOW Date Received: _____% Moisture: not dec. 0 Date Analyzed: 8/1/06GC Column: Rtx-624 ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

71432	Benzene	47	
108883	Toluene	51	
100414	Ethylbenzene	170	
1330207	m,p-Xylene	230	
95476	o-Xylene	650	E
98828	Isopropylbenzene	190	
103651	n-Propyl benzene	270	E
108678	1,3,5-Trimethylbenzene	620	E
98066	tert-Butylbenzene	1	U
95636	1,2,4-Trimethylbenzene	1000	E
135988	sec-Butylbenzene	50	
99876	p-Isopropyltoluene	67	
104518	n-Butylbenzene	210	E
1634044	Methyl t-butyl ether	1	U

Y-30

VOLATILE ORGANICS ANALYSIS DATA SHEET

05-DP8 A

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATER Lab Sample ID: 0607115Sample wt/vol: 5.0 (g/ml) ML Lab File ID: M7181.DLevel: (low/med) LOW Date Received: _____% Moisture: not dec. _____ Date Analyzed: 7/28/06GC Column: Rtx-624 ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

71432	Benzene	1	U
108883	Toluene	1	U
100414	Ethylbenzene	1	U
1330207	m,p-Xylene	2	U
95476	o-Xylene	2	U
98828	Isopropylbenzene	1	U
103651	n-Propyl benzene	1	U
108678	1,3,5-Trimethylbenzene	1	U
98066	tert-Butylbenzene	1	U
95636	1,2,4-Trimethylbenzene	2	
135988	sec-Butylbenzene	1	U
99876	p-Isopropyltoluene	1	U
104518	n-Butylbenzene	1	U
1634044	Methyl t-butyl ether	2	

VOLATILE ORGANICS ANALYSIS DATA SHEET

05-DP6 A

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____

Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 0607116

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: M7182.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 7/28/06

GC Column: Rtx-624 ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
71432	Benzene		1	U
108883	Toluene		1	U
100414	Ethylbenzene		1	U
1330207	m,p-Xylene		17	
95476	o-Xylene		21	
98828	Isopropylbenzene		5	
103651	n-Propyl benzene		7	
108678	1,3,5-Trimethylbenzene		11	
98066	tert-Butylbenzene		1	U
95636	1,2,4-Trimethylbenzene		45	
135988	sec-Butylbenzene		1	U
99876	p-Isopropyltoluene		1	
104518	n-Butylbenzene		3	
1634044	Methyl t-butyl ether		15	

VOLATILE ORGANICS ANALYSIS DATA SHEET

05-DP5 A

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____

Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 0607117

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: M7183.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 7/28/06

GC Column: Rtx-624 ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

71432	Benzene	3	
108883	Toluene	1	
100414	Ethylbenzene	6	
1330207	m,p-Xylene	8	
95476	o-Xylene	3	
98828	Isopropylbenzene	6	
103651	n-Propyl benzene	10	
108678	1,3,5-Trimethylbenzene	4	
98066	tert-Butylbenzene	1	U
95636	1,2,4-Trimethylbenzene	30	
135988	sec-Butylbenzene	3	
99876	p-Isopropyltoluene	2	
104518	n-Butylbenzene	1	U
1634044	Methyl t-butyl ether	2	

VOLATILE ORGANICS ANALYSIS DATA SHEET

05-DP4 A

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATER Lab Sample ID: 0607118Sample wt/vol: 5.0 (g/ml) ML Lab File ID: M7184.DLevel: (low/med) LOW Date Received: _____% Moisture: not dec. _____ Date Analyzed: 7/28/06GC Column: Rtx-624 ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

71432	Benzene	1	U
108883	Toluene	1	U
100414	Ethylbenzene	3	
1330207	m,p-Xylene	50	
95476	o-Xylene	19	
98828	Isopropylbenzene	3	
103651	n-Propyl benzene	5	
108678	1,3,5-Trimethylbenzene	10	
98066	tert-Butylbenzene	1	U
95636	1,2,4-Trimethylbenzene	27	
135988	sec-Butylbenzene	1	U
99876	p-Isopropyltoluene	1	U
104518	n-Butylbenzene	1	U
1634044	Methyl t-butyl ether	3	

VOLATILE ORGANICS ANALYSIS DATA SHEET

05-DP2 A

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATERLab Sample ID: 0607119Sample wt/vol: 5.0 (g/ml) MLLab File ID: M7185.DLevel: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 7/28/06GC Column: Rtx-624 ID: 0.18 (mm)Dilution Factor: 5.0

Soil Extract Volume _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

71432	Benzene	810	D
108883	Toluene	780	D
100414	Ethylbenzene	1100	D
1330207	m,p-Xylene	3700	ED
95476	o-Xylene	1100	D
98828	Isopropylbenzene	64	D
103651	n-Propyl benzene	91	D
108678	1,3,5-Trimethylbenzene	240	D
98066	tert-Butylbenzene	5	U
95636	1,2,4-Trimethylbenzene	820	D
135988	sec-Butylbenzene	5	U
99876	p-Isopropyltoluene	5	U
104518	n-Butylbenzene	5	U
1634044	Methyl t-butyl ether	160	D

VOLATILE ORGANICS ANALYSIS DATA SHEET

05-DP2 ADL

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____

Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 0607119DL

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: M7189.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 7/28/06

GC Column: Rtx-624 ID: 0.18 (mm) Dilution Factor: 50.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

71432	Benzene	810	D
108883	Toluene	770	D
100414	Ethylbenzene	1000	D
1330207	m,p-Xylene	3600	D
95476	o-Xylene	1100	D
98828	Isopropylbenzene	52	D
103651	n-Propyl benzene	72	D
108678	1,3,5-Trimethylbenzene	200	D
98066	tert-Butylbenzene	50	U
95636	1,2,4-Trimethylbenzene	700	D
135988	sec-Butylbenzene	50	U
99876	p-Isopropyltoluene	50	U
104518	n-Butylbenzene	50	U
1634044	Methyl t-butyl ether	130	D

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MS A

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____

Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 0607120MS 

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: M7186.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 7/28/06

GC Column: Rtx-624 ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

71432	Benzene	58	
108883	Toluene	56	
100414	Ethylbenzene	4	
1330207	m,p-Xylene	72	
95476	o-Xylene	29	
98828	Isopropylbenzene	5	
103651	n-Propyl benzene	6	
108678	1,3,5-Trimethylbenzene	15	
98066	tert-Butylbenzene	1	U
95636	1,2,4-Trimethylbenzene	43	
135988	sec-Butylbenzene	1	U
99876	p-Isopropyltoluene	1	U
104518	n-Butylbenzene	1	U
1634044	Methyl t-butyl ether	3	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MSD A

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____

Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 0607121MSD 4

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: M7187.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 7/28/06

GC Column: Rtx-624 ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
71432	Benzene		57	
108883	Toluene		54	
100414	Ethylbenzene		4	
1330207	m,p-Xylene		63	
95476	o-Xylene		24	
98828	Isopropylbenzene		4	
103651	n-Propyl benzene		6	
108678	1,3,5-Trimethylbenzene		12	
98066	tert-Butylbenzene		1	U
95636	1,2,4-Trimethylbenzene		36	
135988	sec-Butylbenzene		1	U
99876	p-Isopropyltoluene		1	U
104518	n-Butylbenzene		1	U
1634044	Methyl t-butyl ether		3	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

TRIPBLANK

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATER Lab Sample ID: 0607122Sample wt/vol: 5.0 (g/ml) ML Lab File ID: M7178.DLevel: (low/med) LOW Date Received: _____% Moisture: not dec. _____ Date Analyzed: 7/28/06GC Column: Rtx-624 ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

71432	Benzene	1	U
108883	Toluene	1	U
100414	Ethylbenzene	1	U
1330207	m,p-Xylene	2	U
95476	o-Xylene	2	U
98828	Isopropylbenzene	1	U
103651	n-Propyl benzene	1	U
108678	1,3,5-Trimethylbenzene	1	U
98066	tert-Butylbenzene	1	U
95636	1,2,4-Trimethylbenzene	1	U
135988	sec-Butylbenzene	1	U
99876	p-Isopropyltoluene	1	U
104518	n-Butylbenzene	1	U
1634044	Methyl t-butyl ether	1	U

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FIELD BLANK

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____

Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 0607123

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: M7179.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 7/28/06

GC Column: Rtx-624 ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

71432	Benzene	1	U
108883	Toluene	1	U
100414	Ethylbenzene	1	U
1330207	m,p-Xylene	2	U
95476	o-Xylene	2	U
98828	Isopropylbenzene	1	U
103651	n-Propyl benzene	1	U
108678	1,3,5-Trimethylbenzene	1	U
98066	tert-Butylbenzene	1	U
95636	1,2,4-Trimethylbenzene	1	U
135988	sec-Butylbenzene	1	U
99876	p-Isopropyltoluene	1	U
104518	n-Butylbenzene	1	U
1634044	Methyl t-butyl ether	1	U

V-40

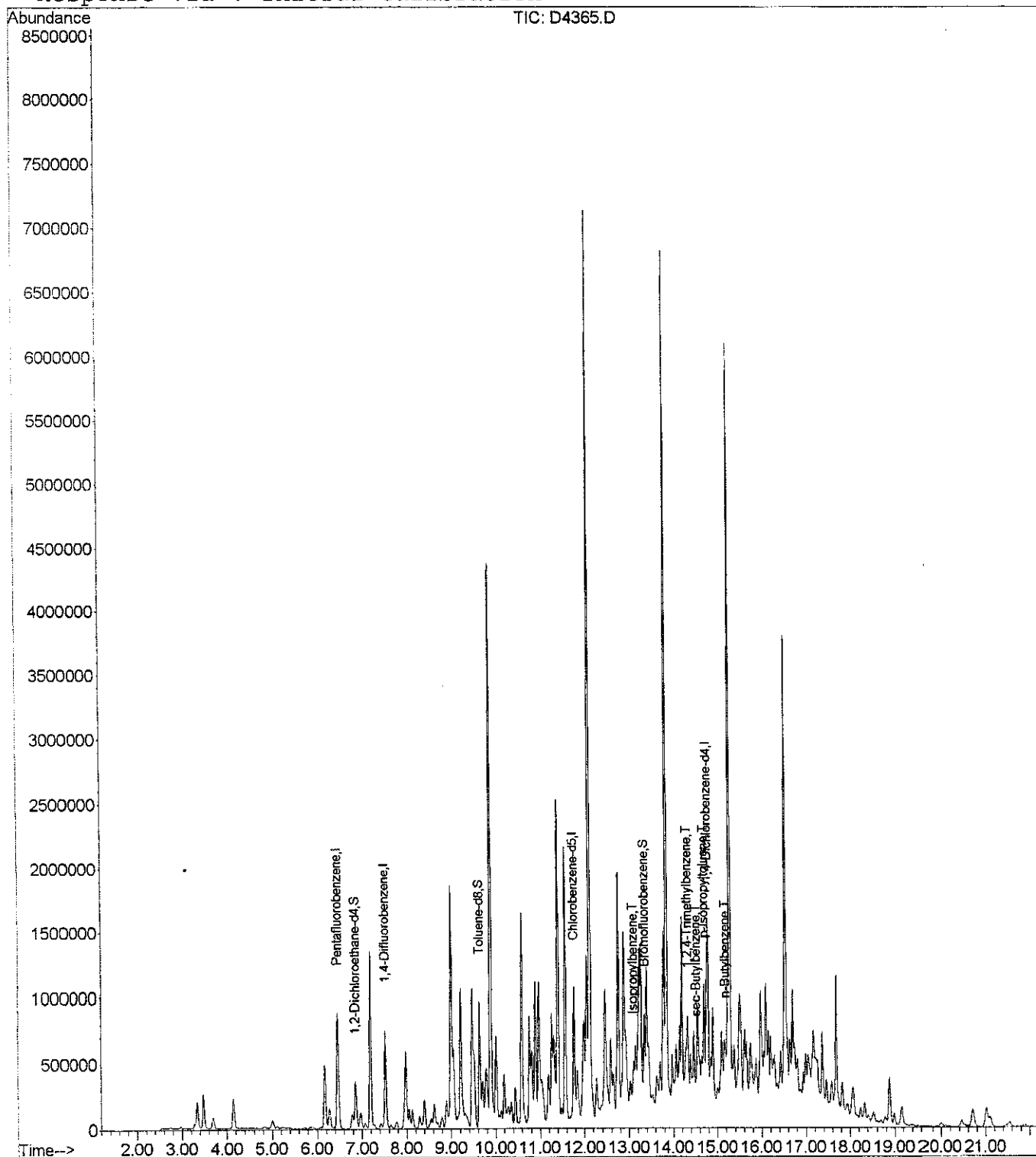
Quantitation Report

Data File : D:\D\DATA\AUG06\D0801\D4365.D
 Acq On : 1 Aug 2006 13:59
 Sample : 0607108
 Misc : SOIL 2903 05-DP8 S
 MS Integration Params: rteint.p
 Quant Time: Aug 1 16:33 2006

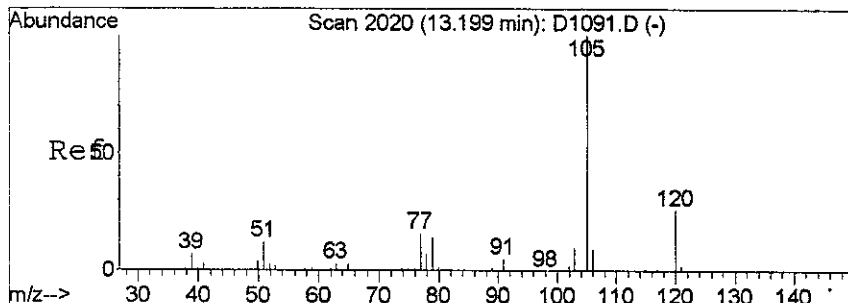
Vial: 8
 Operator:
 Inst : GC/MS Ins
 Multiplr: 1.00

Quant Results File: VD8S0718.R

Method : D:\D\METHODS\VD8S0718.M (RTE Integrator)
 Title : VOA 8260 METHOD
 Last Update : Tue Jul 18 13:28:21 2006
 Response via : Initial Calibration

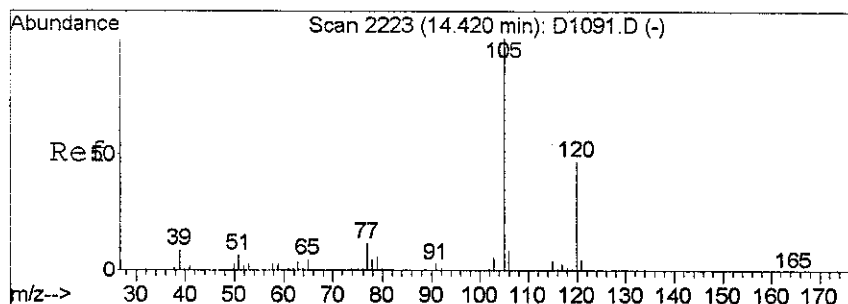
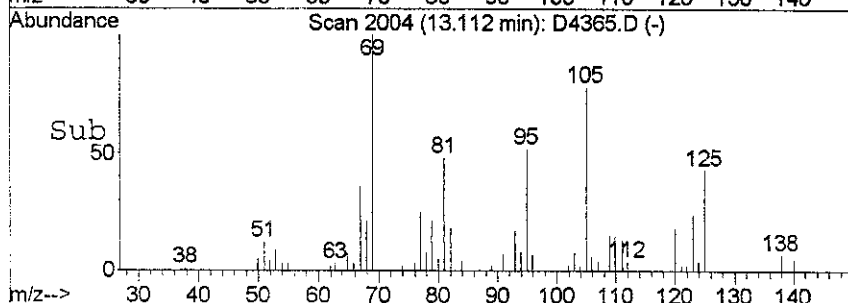
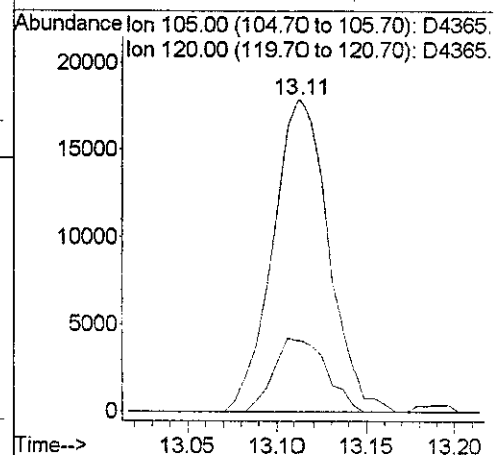
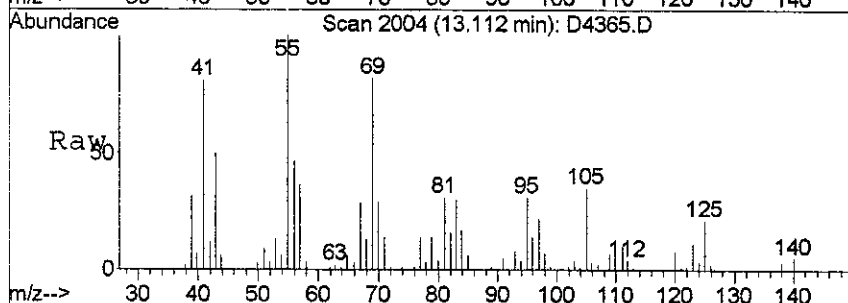


V-41



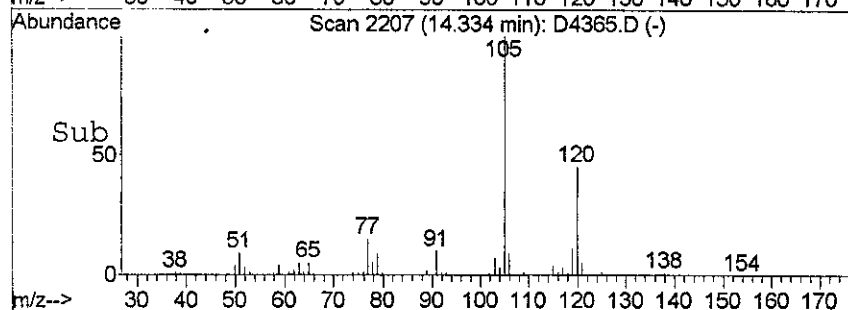
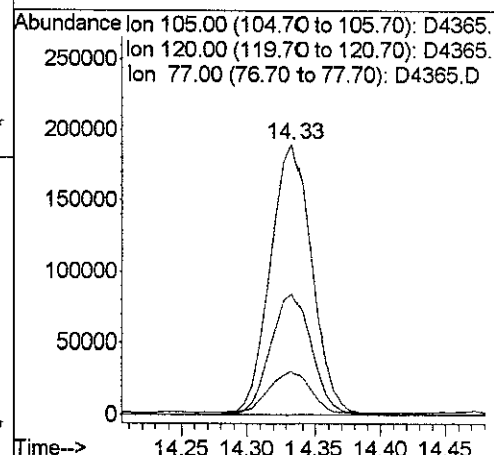
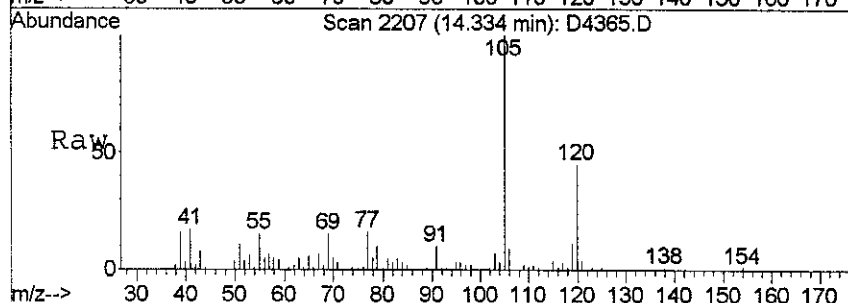
#56
Isopropylbenzene
Concen: 1.92 ug/l
RT: 13.11 min Scan# 2004
Delta R.T. 0.01 min
Lab File: D4365.D
Acq: 1 Aug 2006 13:59

Tgt Ion:105 Resp: 38374
Ion Ratio Lower Upper
105 100
120 22.8 6.5 46.5

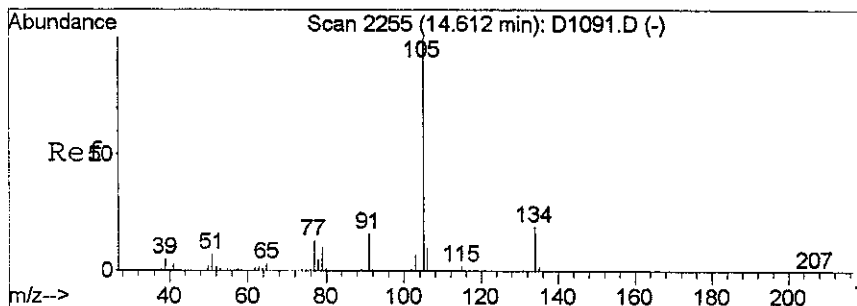


#65
1,2,4-Trimethylbenzene
Concen: 23.13 ug/l
RT: 14.33 min Scan# 2207
Delta R.T. 0.02 min
Lab File: D4365.D
Acq: 1 Aug 2006 13:59

Tgt Ion:105 Resp: 397572
Ion Ratio Lower Upper
105 100
120 44.6 27.9 67.9
77 16.2 0.0 33.4

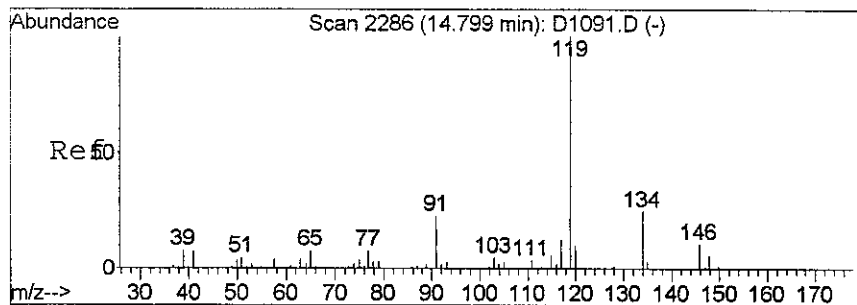
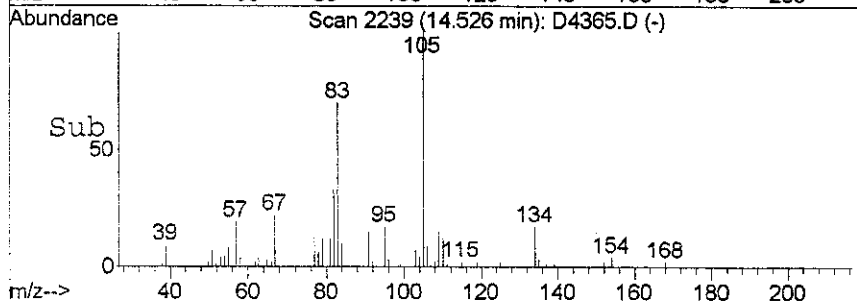
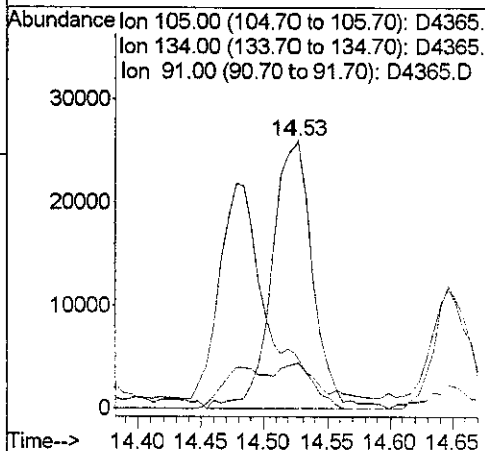
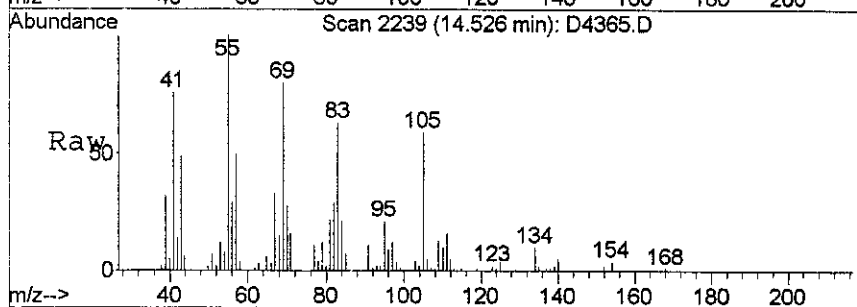


V-42



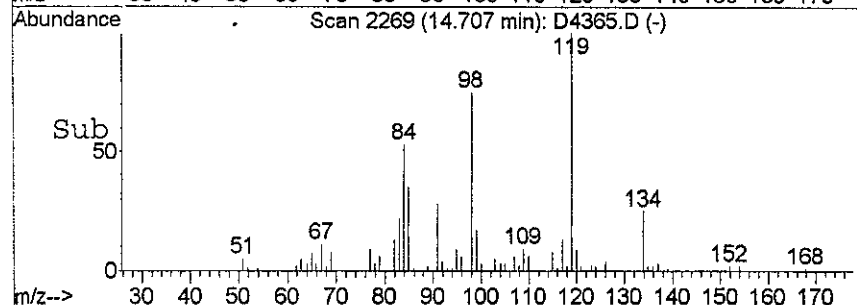
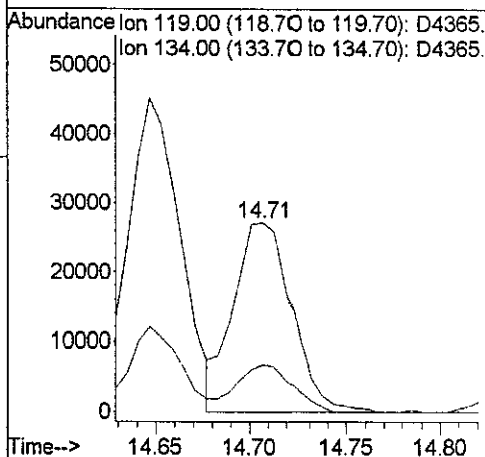
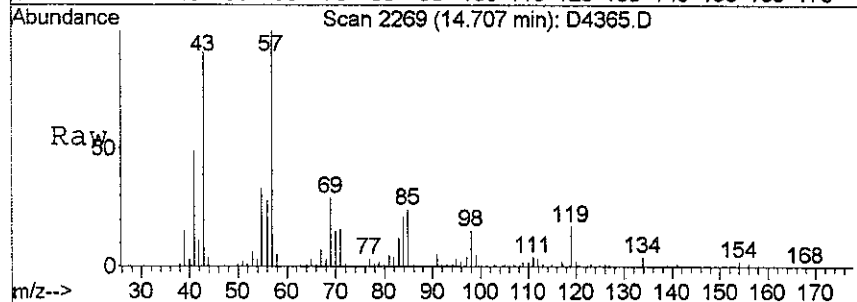
#66
 sec-Butylbenzene
 Concen: 2.36 ug/l
 RT: 14.53 min Scan# 2239
 Delta R.T. 0.02 min
 Lab File: D4365.D
 Acq: 1 Aug 2006 13:59

Tgt Ion	Ratio	Lower	Upper
105	100		
134	17.1	0.0	39.0
91	18.5	0.0	34.9

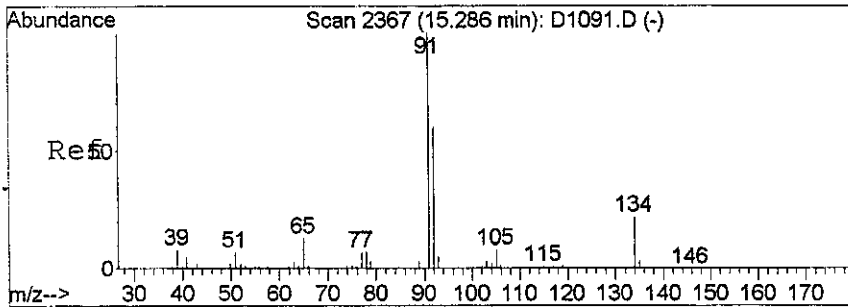


#67
 p-Isopropyltoluene
 Concen: 3.31 ug/l
 RT: 14.71 min Scan# 2269
 Delta R.T. 0.01 min
 Lab File: D4365.D
 Acq: 1 Aug 2006 13:59

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.7	6.1	46.1

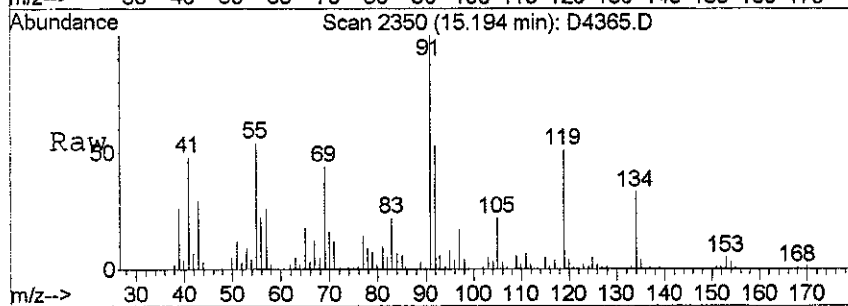


V-43

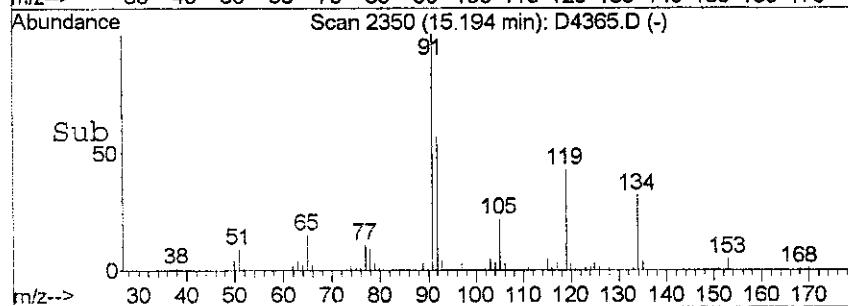
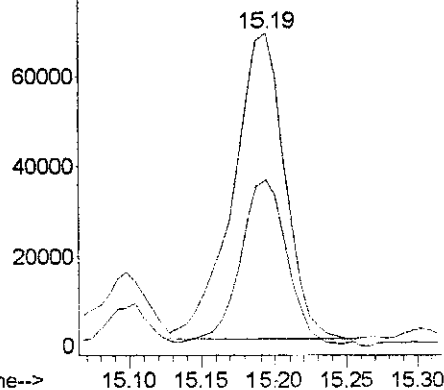


#70
 n-Butylbenzene
 Concen: 8.25 ug/l
 RT: 15.19 min Scan# 2350
 Delta R.T. 0.01 min
 Lab File: D4365.D
 Acq: 1 Aug 2006 13:59

Tgt Ion: 91 Resp: 165971
 Ion Ratio Lower Upper
 91 100
 92 53.1 41.6 81.6



Abundance Ion 91.00 (90.70 to 91.70): D4365.D
 80000 Ion 92.00 (91.70 to 92.70): D4365.D



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Data File : D:\D\DATA\AUG06\D0801\D4365.D

Vial: 8

Acq On : 1 Aug 2006 13:59

Operator:

Sample : 0607108

Inst : GC/MS Ins

Misc : SOIL 2903 05-DP8 S

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Aug 1 16:33 2006

Quant Results File: VD8S0718.RES

Quant Method : D:\D\METHODS\VD8S0718.M (RTE Integrator)

Title : VOA 8260 METHOD

Last Update : Tue Jul 18 13:28:21 2006

Response via : Initial Calibration

DataAcq Meth : VD8S0718

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.46	168	345124	50.00	ug/l	-0.14
24) 1,4-Difluorobenzene	7.52	114	719830	50.00	ug/l	0.02
43) Chlorobenzene-d5	11.76	117	582568	50.00	ug/l	0.01
55) 1,4-Dichlorobenzene-d4	14.77	152	242195	50.00	ug/l	0.01

System Monitoring Compounds

25) 1,2-Dichloroethane-d4	6.85	65	269289	49.88	ug/l	0.01
Spiked Amount	50.000	Range	70 - 121	Recovery	=	99.76%
36) Toluene-d8	9.63	98	799796	48.62	ug/l	0.01
Spiked Amount	50.000	Range	81 - 117	Recovery	=	97.24%
42) Bromofluorobenzene	13.35	95	330292	50.67	ug/l	0.02
Spiked Amount	50.000	Range	74 - 121	Recovery	=	101.34%

Target Compounds

						Qvalue
56) Isopropylbenzene	13.11	105	38374	1.92	ug/l	93
65) 1,2,4-Trimethylbenzene	14.33	105	397572	23.13	ug/l	95
66) sec-Butylbenzene	14.53	105	56881	2.36	ug/l	94
67) p-Isopropyltoluene	14.71	119	57334	3.31	ug/l	97
70) n-Butylbenzene	15.19	91	165971	8.25	ug/l	89

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

D4365.D VD8S0718.M Mon Aug 07 16:43:24 2006

Page 1

V-45

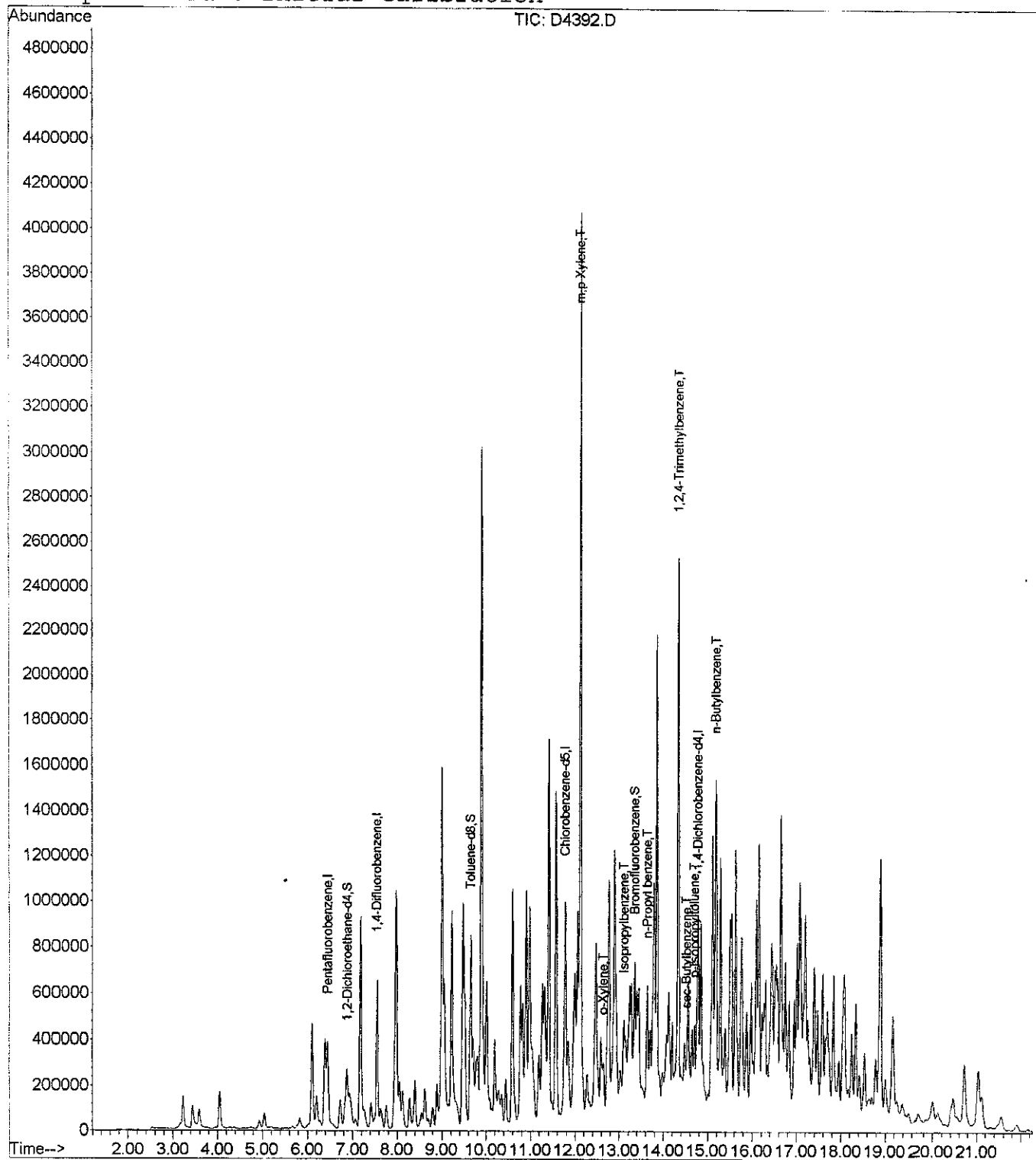
Quantitation Report

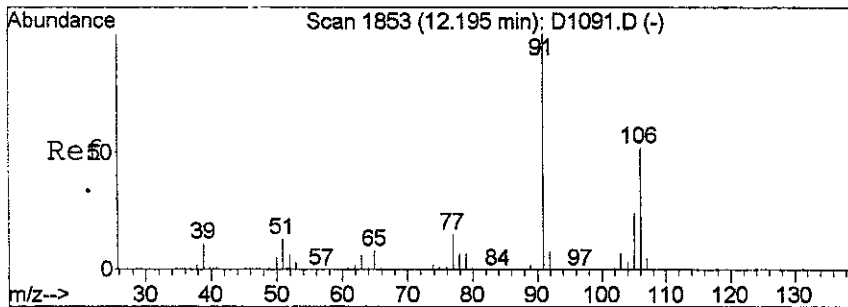
Data File : D:\D\DATA\AUG06\D0802\D4392.D
Acq On : 2 Aug 2006 11:49
Sample : 0607109
Misc : SOIL 2903 05-DP6 S
MS Integration Params: rteint.p
Quant Time: Aug 3 11:33 2006

Vial: 3
Operator:
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: VD8S0718.R

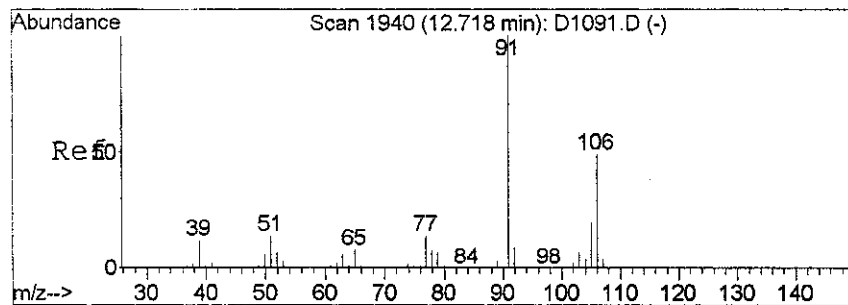
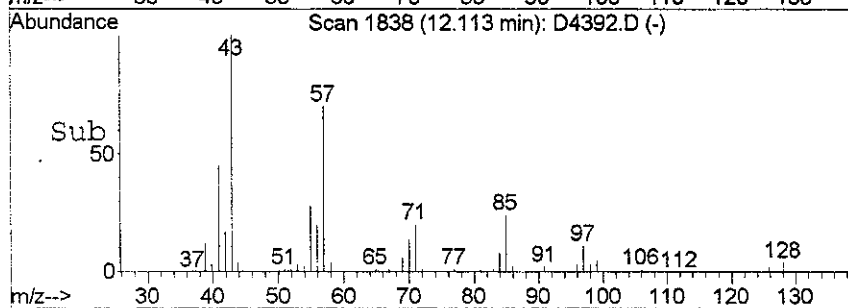
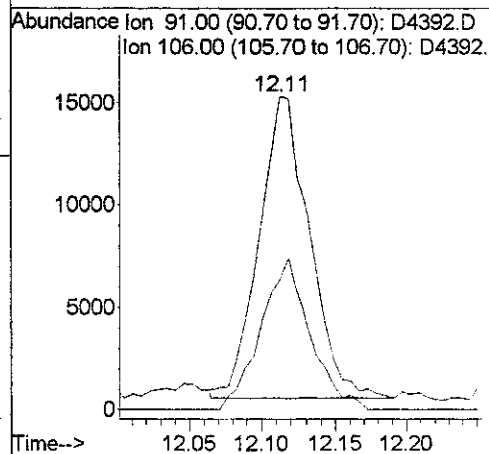
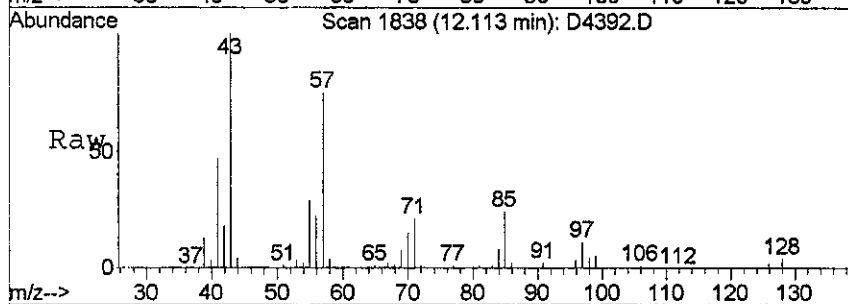
Method : D:\D\METHODS\VD8S0718.M (RTE Integrator)
Title : VOA 8260 METHOD
Last Update : Tue Jul 18 13:28:21 2006
Response via : Initial Calibration





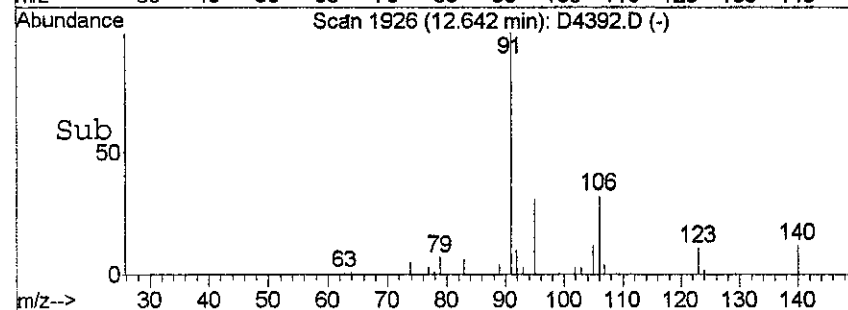
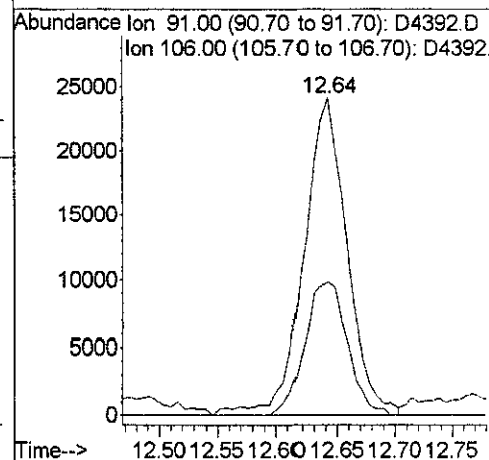
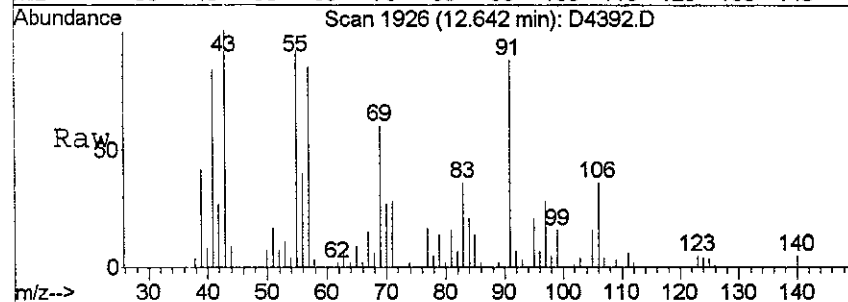
#51
m,p-Xylene
Concen: 2.00 ug/l
RT: 12.11 min Scan# 1838
Delta R.T. 0.01 min
Lab File: D4392.D
Acq: 2 Aug 2006 11:49

Tgt Ion: 91 Resp: 35152
Ion Ratio Lower Upper
91 100
106 41.5 33.5 73.5

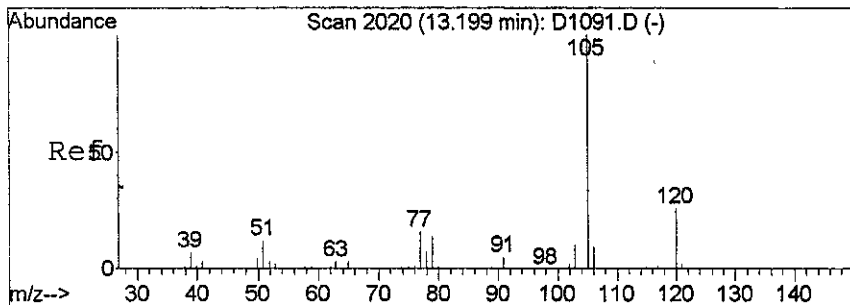


#52
o-Xylene
Concen: 3.42 ug/l
RT: 12.64 min Scan# 1926
Delta R.T. 0.02 min
Lab File: D4392.D
Acq: 2 Aug 2006 11:49

Tgt Ion: 91 Resp: 60617
Ion Ratio Lower Upper
91 100
106 40.7 30.7 70.7



V-47



#56

Isopropylbenzene

Concen: 5.91 ug/l

RT: 13.12 min Scan# 2005

Delta R.T. 0.02 min

Lab File: D4392.D

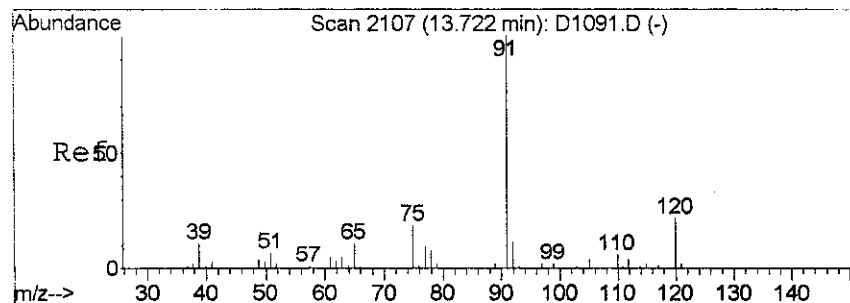
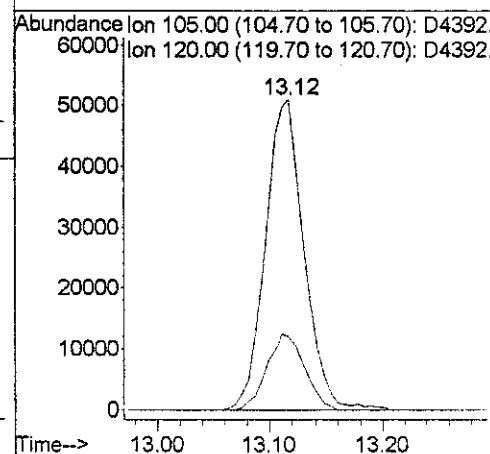
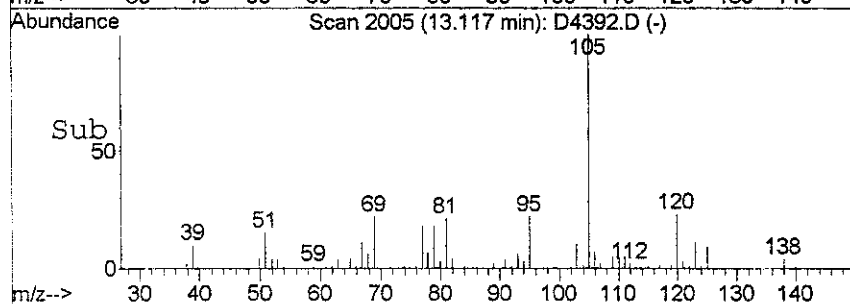
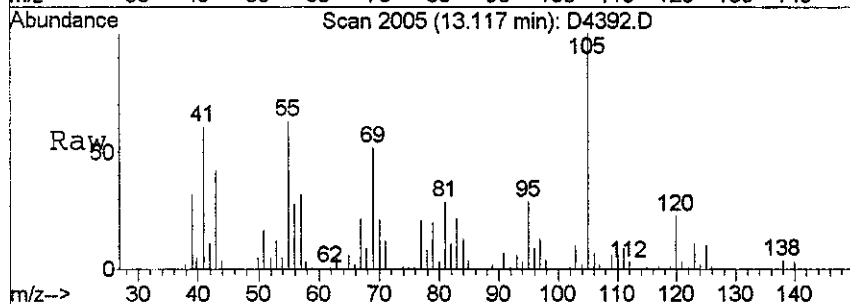
Acq: 2 Aug 2006 11:49

Tgt Ion: 105 Resp: 119990

Ion Ratio Lower Upper

105 100

120 23.4 6.5 46.5



#59

n-Propyl benzene

Concen: 12.14 ug/l

RT: 13.63 min Scan# 2091

Delta R.T. 0.01 min

Lab File: D4392.D

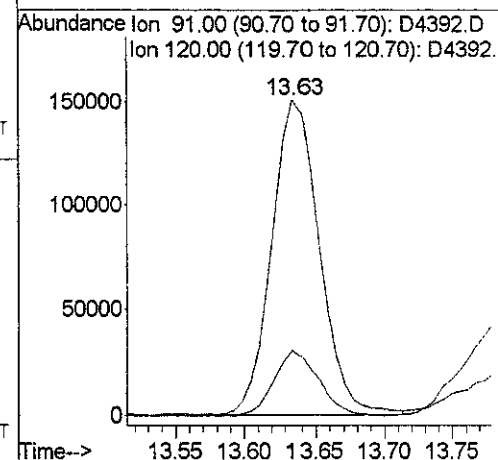
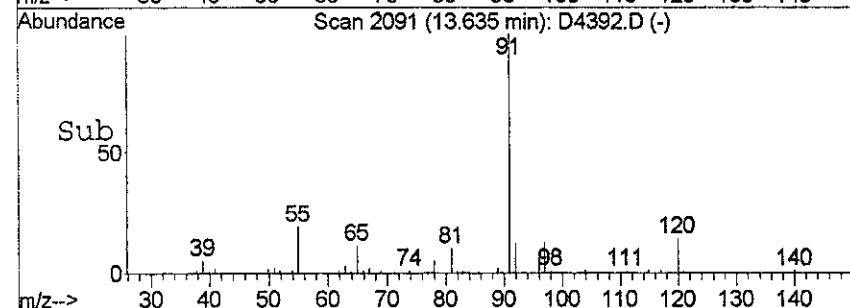
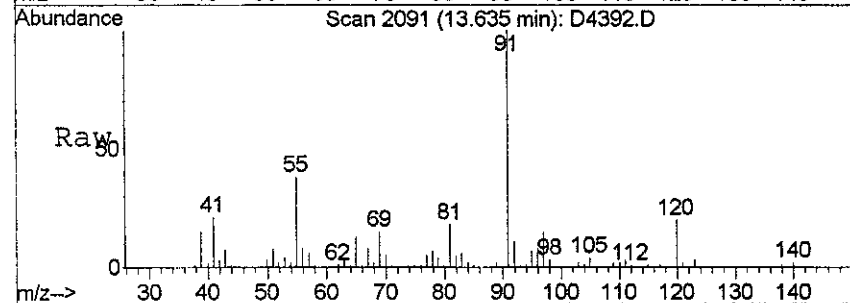
Acq: 2 Aug 2006 11:49

Tgt Ion: 91 Resp: 342312

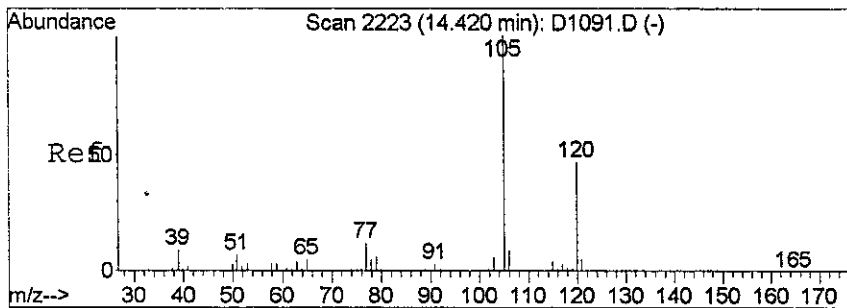
Ion Ratio Lower Upper

91 100

120 20.4 1.3 41.3

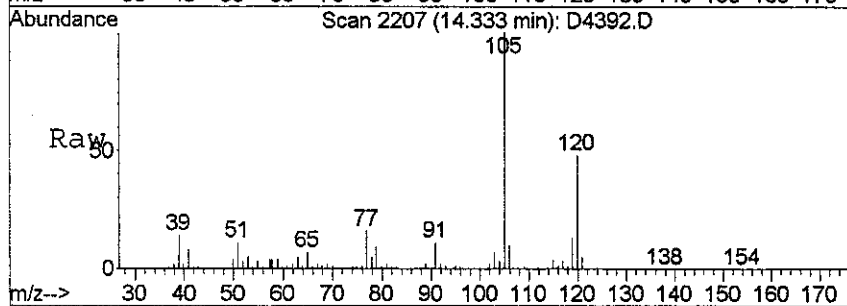


V-48



#65
1,2,4-Trimethylbenzene
Concen: 96.07 ug/l
RT: 14.33 min Scan# 2207
Delta R.T. 0.02 min
Lab File: D4392.D
Acq: 2 Aug 2006 11:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.6	27.9	67.9
77	16.4	0.0	33.4

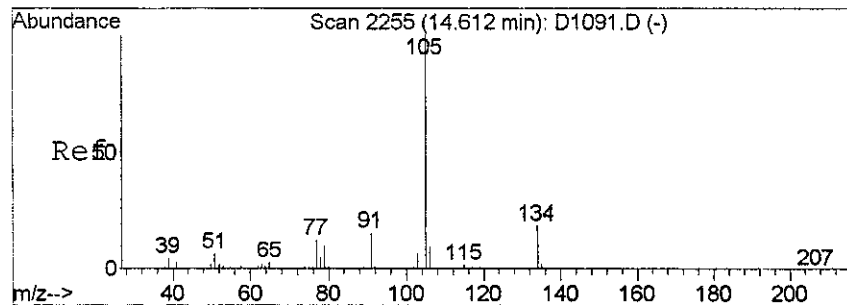
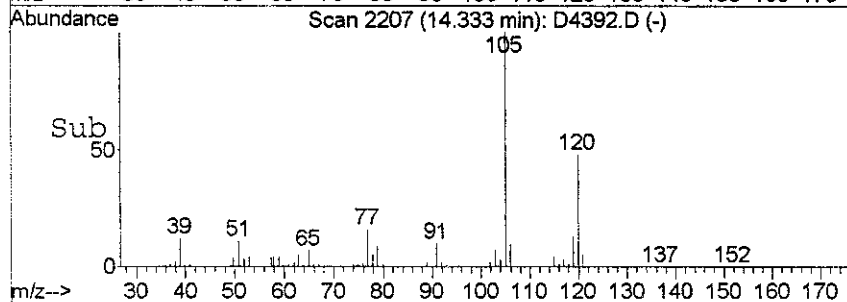
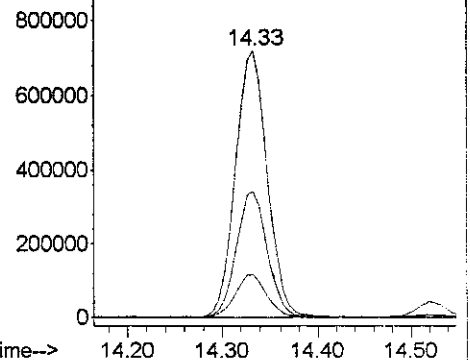


Abundance

Ion 105.00 (104.70 to 105.70): D4392.D

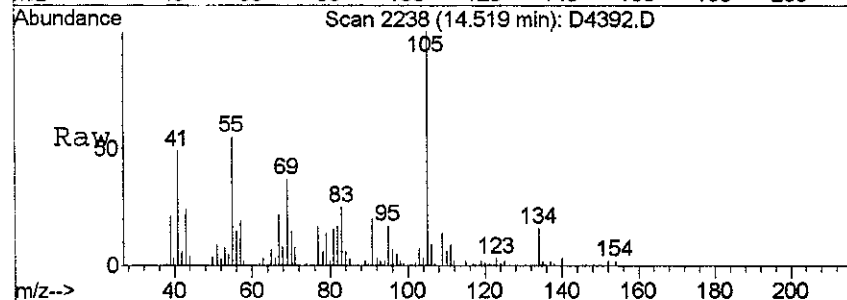
Ion 120.00 (119.70 to 120.70): D4392.D

Ion 77.00 (76.70 to 77.70): D4392.D



#66
sec-Butylbenzene
Concen: 3.93 ug/l
RT: 14.52 min Scan# 2238
Delta R.T. 0.01 min
Lab File: D4392.D
Acq: 2 Aug 2006 11:49

Tgt Ion	Ratio	Lower	Upper
105	100		
134	15.6	0.0	39.0
91	20.0	0.0	34.9

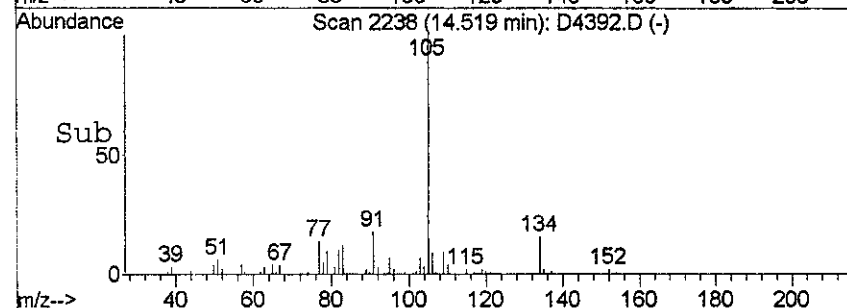
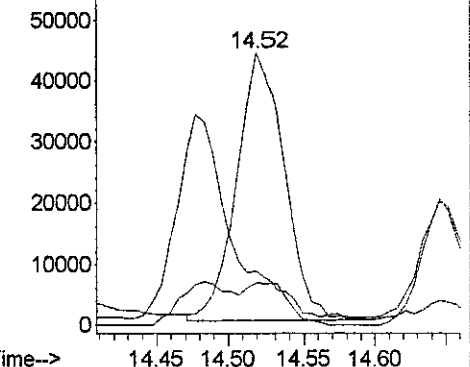


Abundance

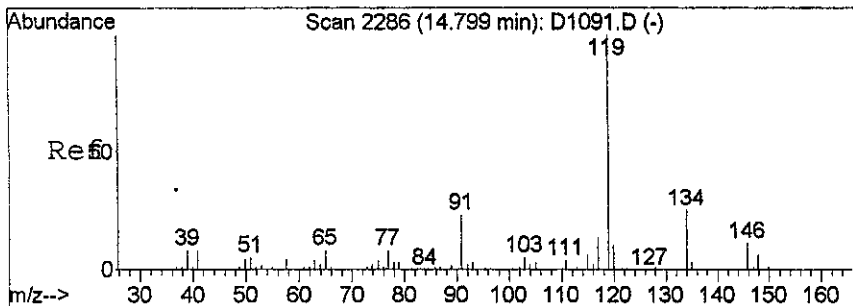
Ion 105.00 (104.70 to 105.70): D4392.D

Ion 134.00 (133.70 to 134.70): D4392.D

Ion 91.00 (90.70 to 91.70): D4392.D

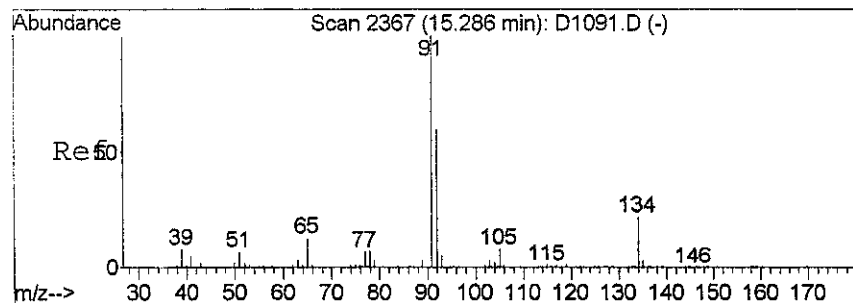
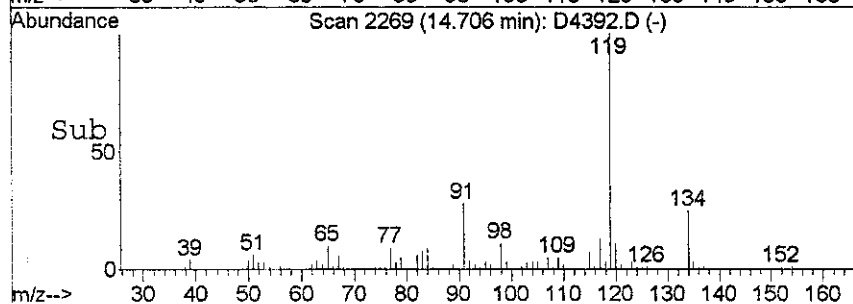
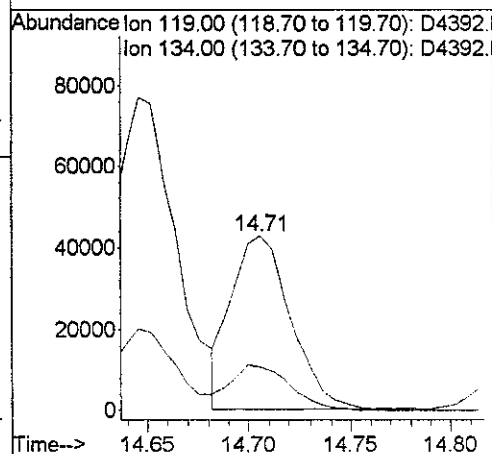
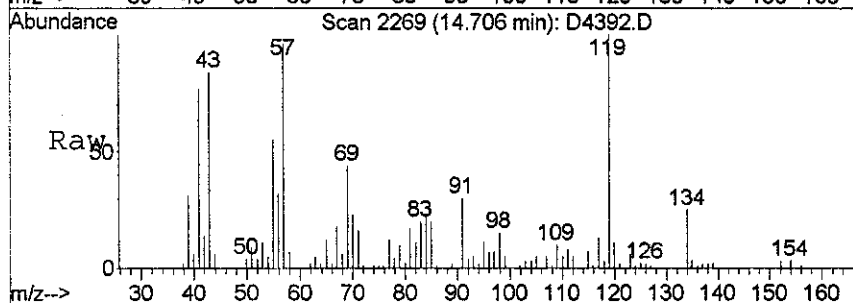


V-49



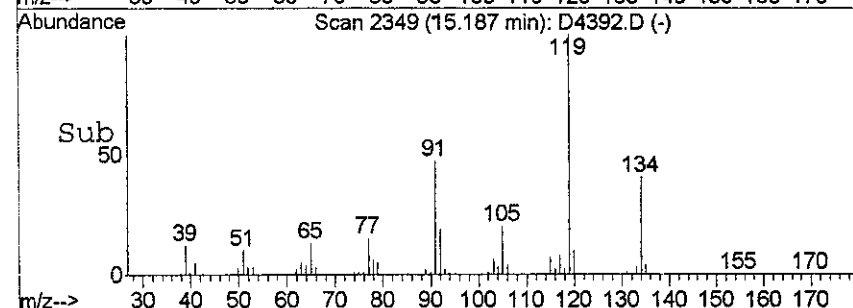
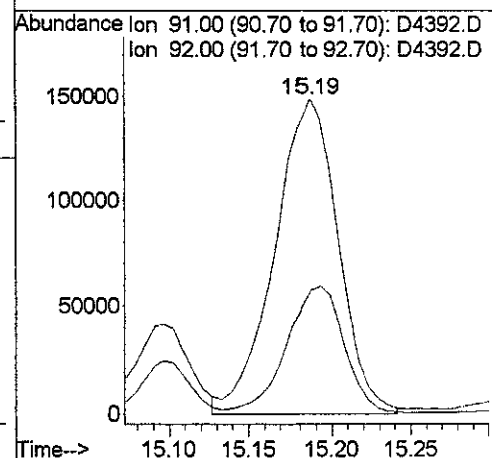
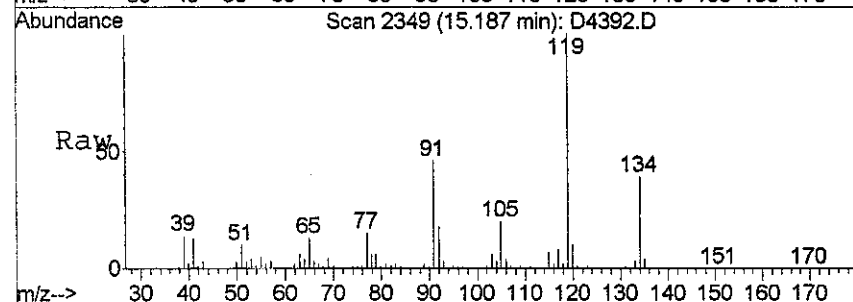
#67
 p-Isopropyltoluene
 Concen: 4.90 ug/l
 RT: 14.71 min Scan# 2269
 Delta R.T. 0.01 min
 Lab File: D4392.D
 Acq: 2 Aug 2006 11:49

Tgt Ion: 119 Resp: 86089
 Ion Ratio Lower Upper
 119 100
 134 25.1 6.1 46.1



#70
 n-Butylbenzene
 Concen: 19.23 ug/l m
 RT: 15.19 min Scan# 2349
 Delta R.T. 0.00 min
 Lab File: D4392.D
 Acq: 2 Aug 2006 11:49

Tgt Ion: 91 Resp: 392268
 Ion Ratio Lower Upper
 91 100
 92 38.7 41.6 81.6#



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Data File : D:\D\DATA\AUG06\D0802\D4392.D

Vial: 3

Acq On : 2 Aug 2006 11:49

Operator:

Sample : 0607109

Inst : GC/MS Ins

Misc : SOIL 2903 05-DP6 S

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Aug 3 11:33 2006

Quant Results File: VD8S0718.RES

Quant Method : D:\D\METHODS\VD8S0718.M (RTE Integrator)

Title : VOA 8260 METHOD

Last Update : Tue Jul 18 13:28:21 2006

Response via : Initial Calibration

DataAcq Meth : VD8S0718

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) Pentafluorobenzene	6.45	168	327881	50.00	ug/l	-0.15
24) 1,4-Difluorobenzene	7.55	114	653671	50.00	ug/l	0.04
43) Chlorobenzene-d5	11.77	117	585838	50.00	ug/l	0.02
55) 1,4-Dichlorobenzene-d4	14.77	152	245491	50.00	ug/l	0.01

System Monitoring Compounds

25) 1,2-Dichloroethane-d4	6.87	65	268408	54.75	ug/l	0.03
Spiked Amount	50.000	Range	70 - 121	Recovery	=	109.50%
36) Toluene-d8	9.65	98	792359	53.04	ug/l	0.02
Spiked Amount	50.000	Range	81 - 117	Recovery	=	106.08%
42) Bromofluorobenzene	13.35	95	345594	58.38	ug/l	0.02
Spiked Amount	50.000	Range	74 - 121	Recovery	=	116.76%

Target Compounds

						Qvalue
51) m,p-Xylene	12.11	91	35152	2.00	ug/l	83
52) o-Xylene	12.64	91	60617	3.42	ug/l	86
56) Isopropylbenzene	13.12	105	119990	5.91	ug/l	94
59) n-Propyl benzene	13.63	91	342312	12.14	ug/l	98
65) 1,2,4-Trimethylbenzene	14.33	105	1673963	96.07	ug/l	98
66) sec-Butylbenzene	14.52	105	95988	3.93	ug/l	90
67) p-Isopropyltoluene	14.71	119	86089	4.90	ug/l	98
70) n-Butylbenzene	15.19	91	392268m	19.23	ug/l	

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

D4392.D VD8S0718.M

Mon Aug 07 16:50:46 2006

Page 1

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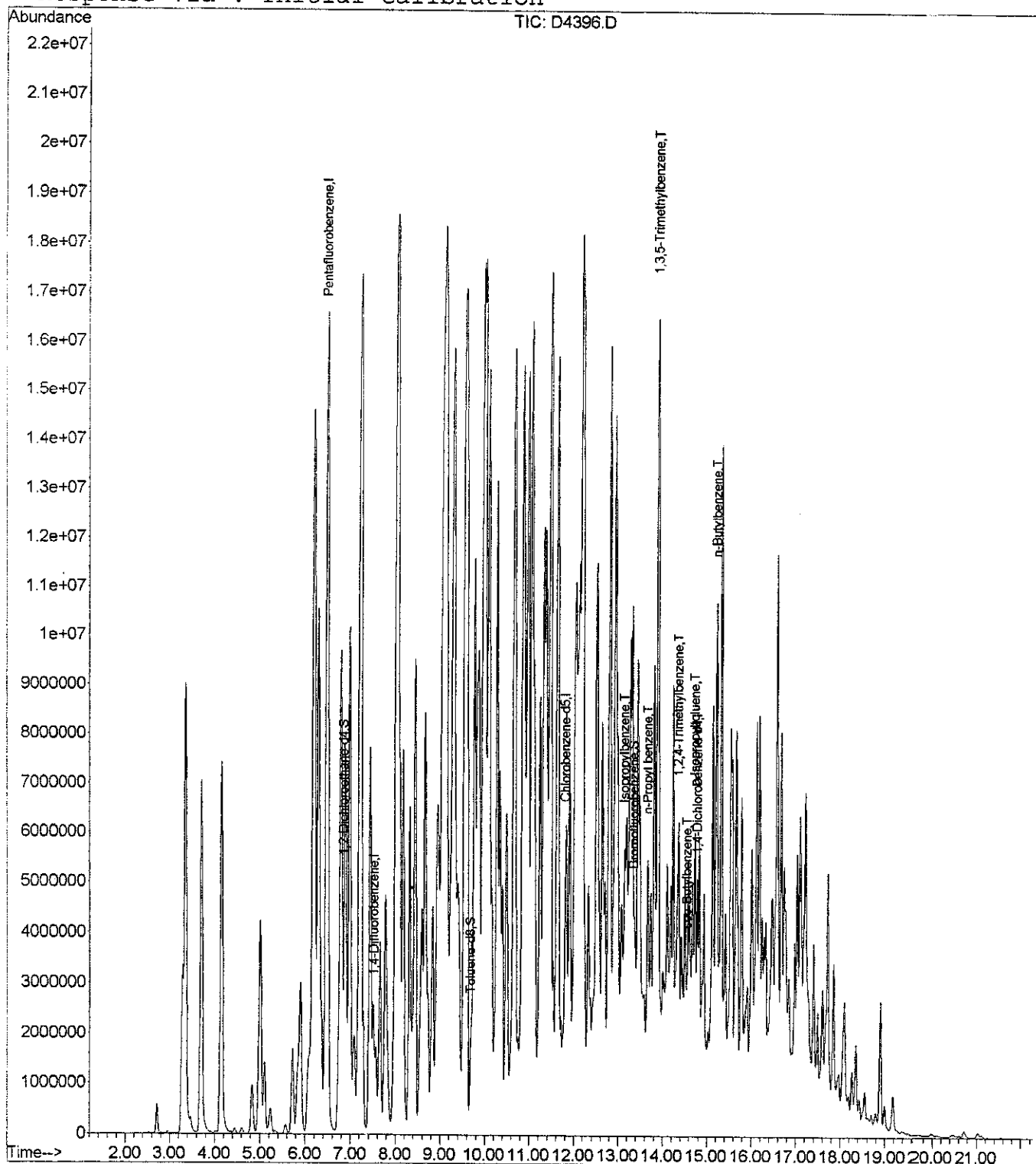
Quantitation Report

Data File : D:\D\DATA\AUG06\D0802\D4396.D
 Acq On : 2 Aug 2006 14:02
 Sample : 0607110
 Misc : SOIL 2903 05-DP5 S
 MS Integration Params: rteint.p
 Quant Time: Aug 3 11:37 2006

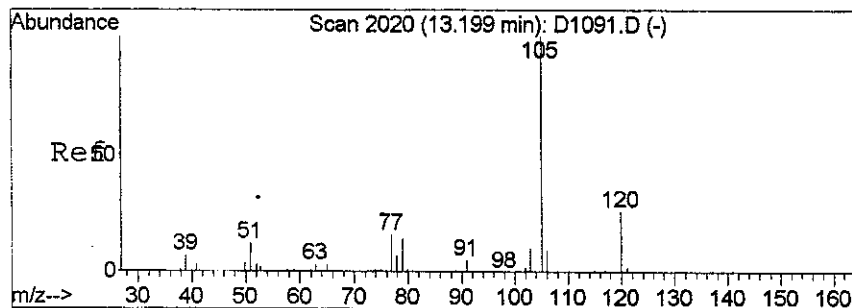
Vial: 7
 Operator:
 Inst : GC/MS Ins
 Multiplr: 1.00

Quant Results File: VD8S0718.R

Method : D:\D\METHODS\VD8S0718.M (RTE Integrator)
 Title : VOA 8260 METHOD
 Last Update : Tue Jul 18 13:28:21 2006
 Response via : Initial Calibration

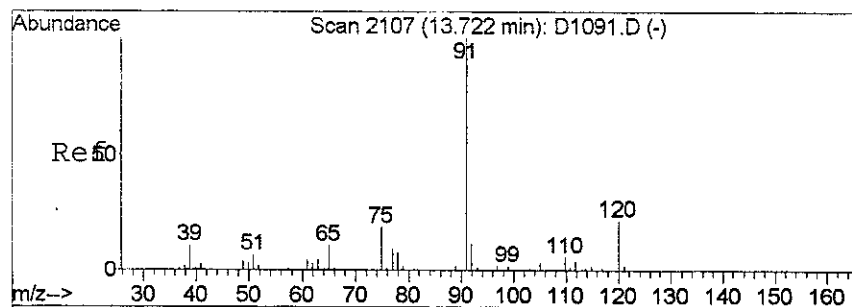
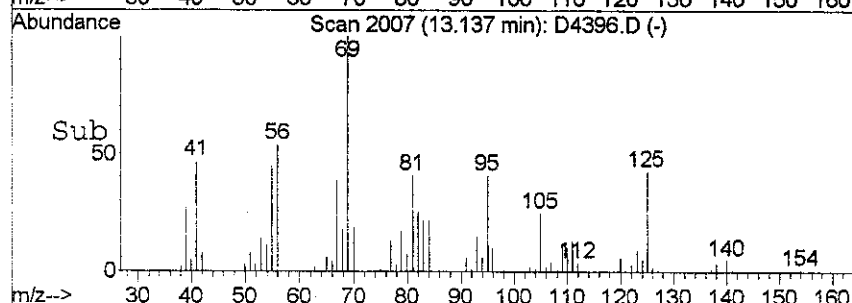
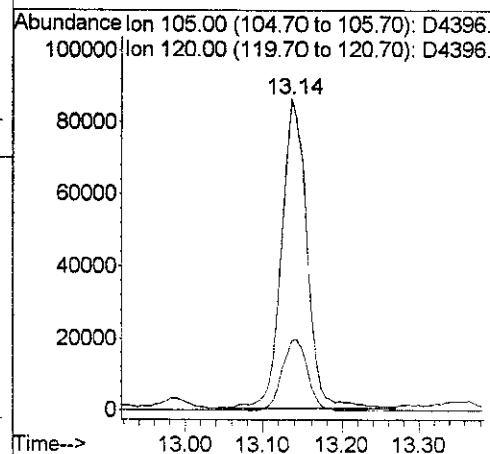
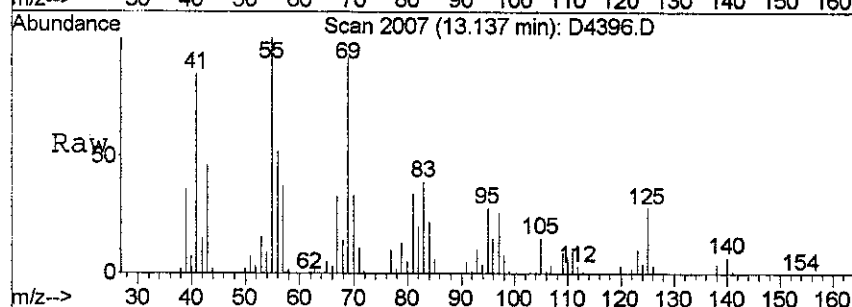


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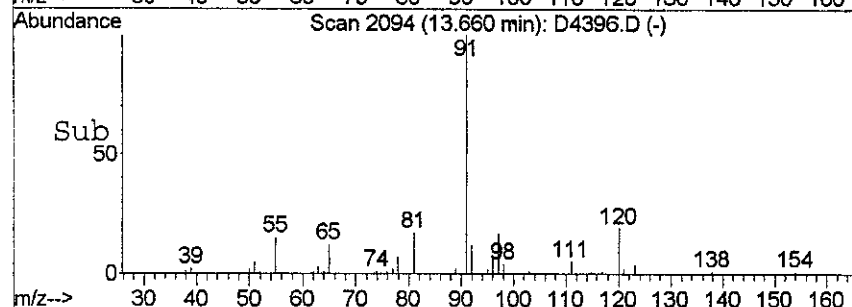
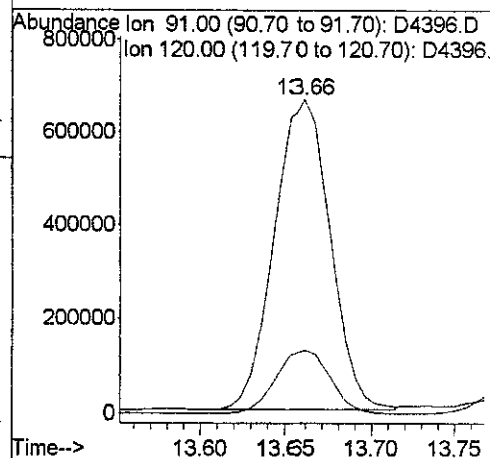
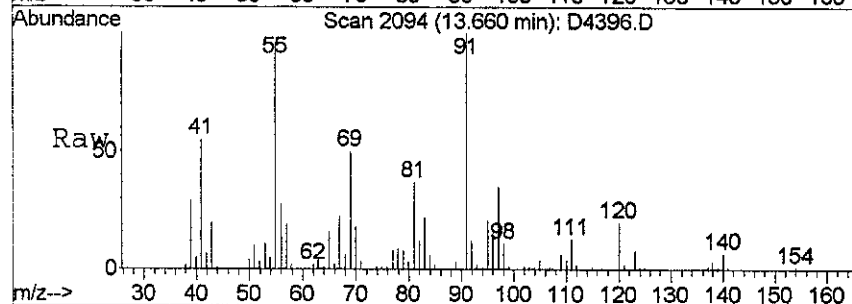
#56
Isopropylbenzene
Concen: 20.67 ug/l
RT: 13.14 min Scan# 2007
Delta R.T. 0.04 min
Lab File: D4396.D
Acq: 2 Aug 2006 14:02

Tgt Ion: 105 Resp: 187264
Ion Ratio Lower Upper
105 100
120 22.2 6.5 46.5

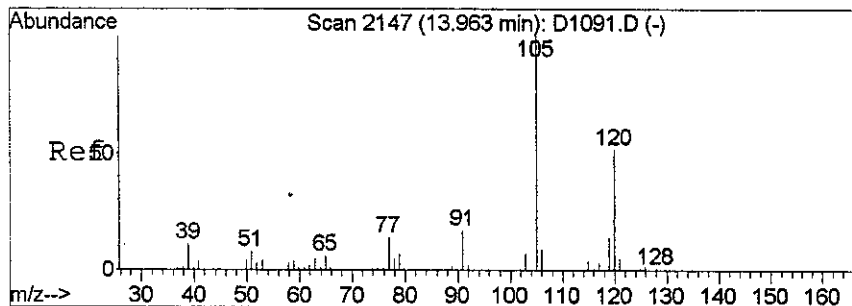


#59
n-Propyl benzene
Concen: 114.81 ug/l
RT: 13.66 min Scan# 2094
Delta R.T. 0.04 min
Lab File: D4396.D
Acq: 2 Aug 2006 14:02

Tgt Ion: 91 Resp: 1444372
Ion Ratio Lower Upper
91 100
120 20.0 1.3 41.3

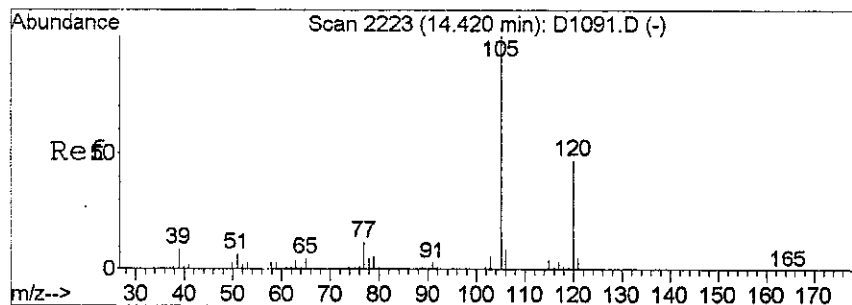
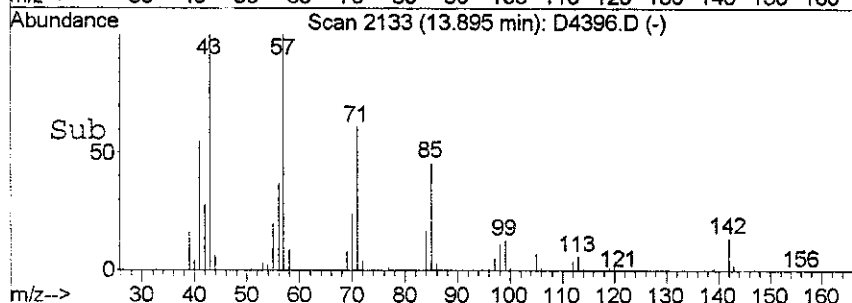
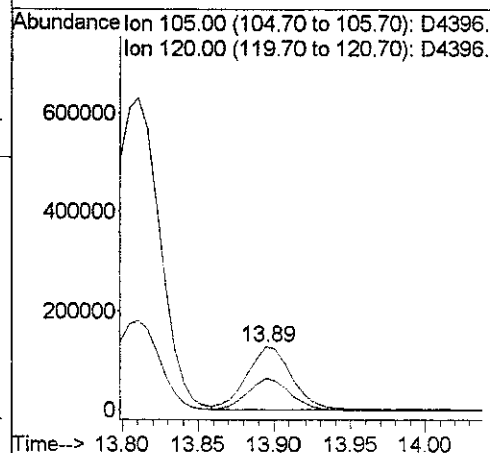
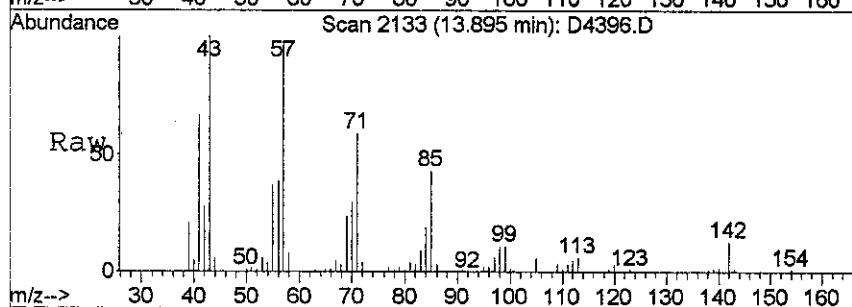


V-53



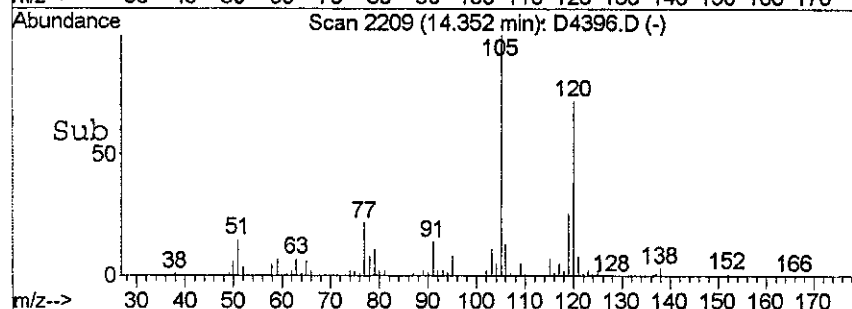
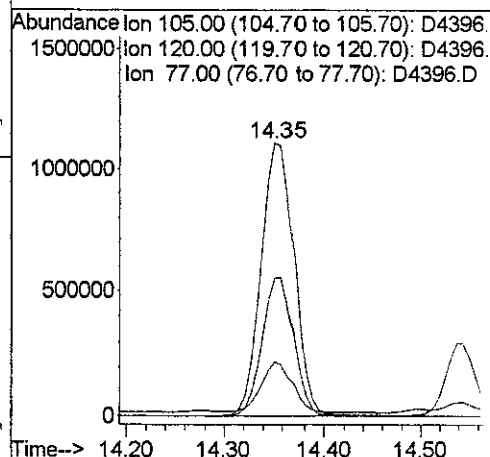
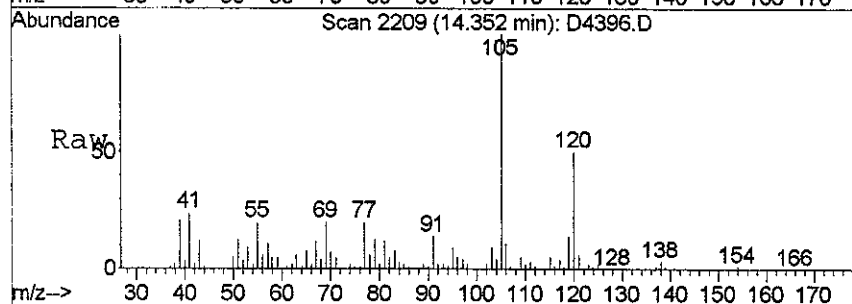
#61
 1,3,5-Trimethylbenzene
 Concen: 33.87 ug/l
 RT: 13.89 min Scan# 2133
 Delta R.T. 0.03 min
 Lab File: D4396.D
 Acq: 2 Aug 2006 14:02

Tgt Ion:105 Resp: 260757
 Ion Ratio Lower Upper
 105 100
 120 50.2 31.7 71.7

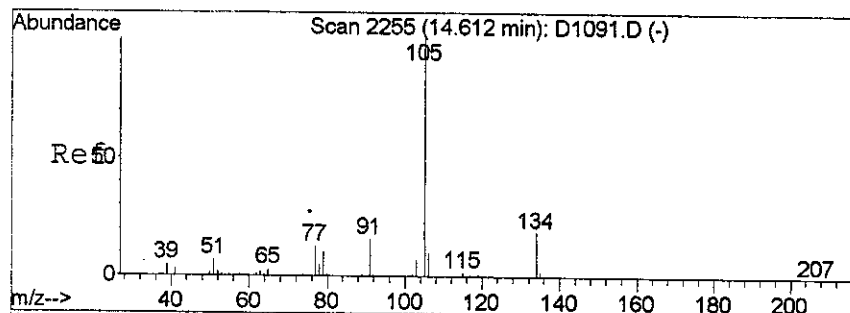


#65
 1,2,4-Trimethylbenzene
 Concen: 317.02 ug/l
 RT: 14.35 min Scan# 2209
 Delta R.T. 0.04 min
 Lab File: D4396.D
 Acq: 2 Aug 2006 14:02

Tgt Ion:105 Resp: 2465247
 Ion Ratio Lower Upper
 105 100
 120 49.8 27.9 67.9
 77 19.6 0.0 33.4



V-54



#66

sec-Butylbenzene

Concen: 56.56 ug/l

RT: 14.54 min Scan# 2240

Delta R.T. 0.03 min

Lab File: D4396.D

Acq: 2 Aug 2006 14:02

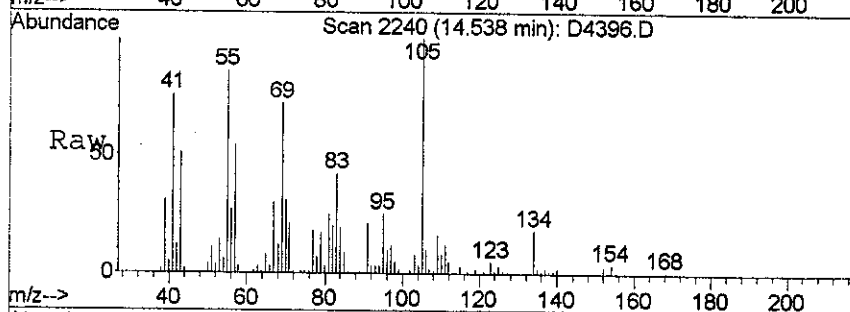
Tgt Ion:105 Resp: 616682

Ion Ratio Lower Upper

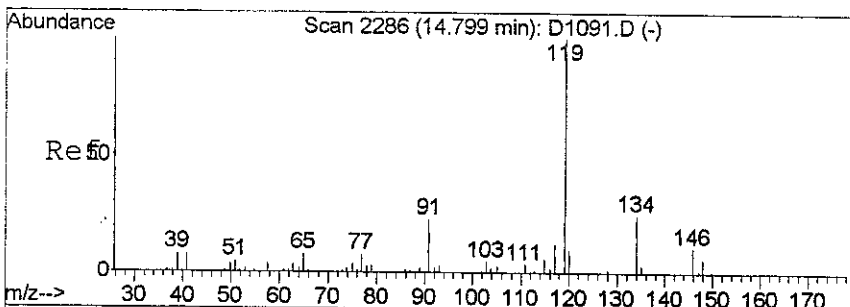
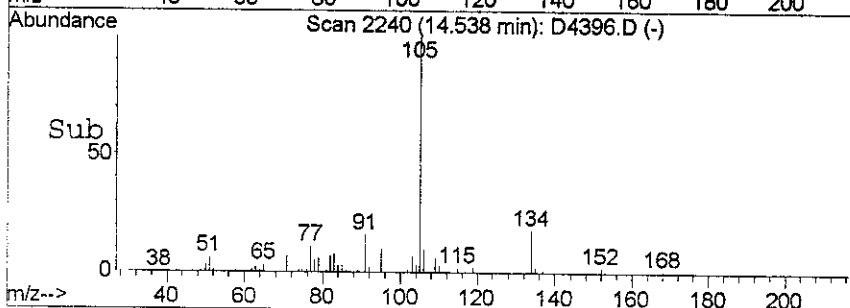
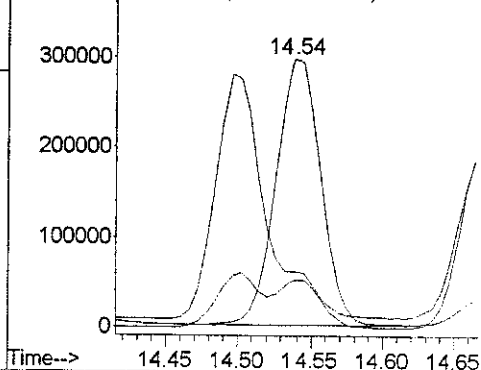
105 100

134 17.8 0.0 39.0

91 20.8 0.0 34.9



Abundance Ion 105.00 (104.70 to 105.70): D4396.D
Ion 134.00 (133.70 to 134.70): D4396.D
Ion 91.00 (90.70 to 91.70): D4396.D



#67

p-Isopropyltoluene

Concen: 53.56 ug/l

RT: 14.72 min Scan# 2271

Delta R.T. 0.03 min

Lab File: D4396.D

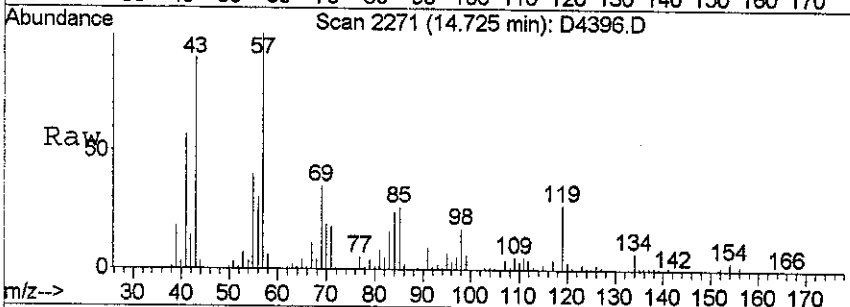
Acq: 2 Aug 2006 14:02

Tgt Ion:119 Resp: 419763

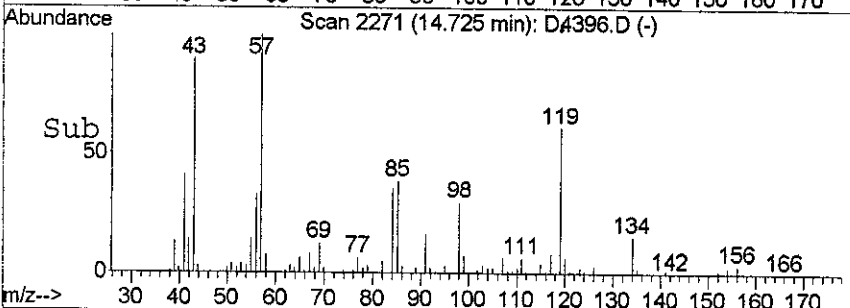
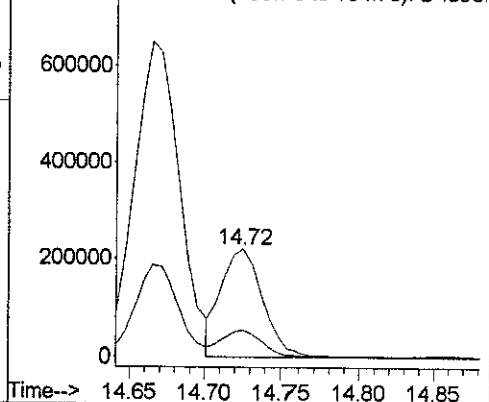
Ion Ratio Lower Upper

119 100

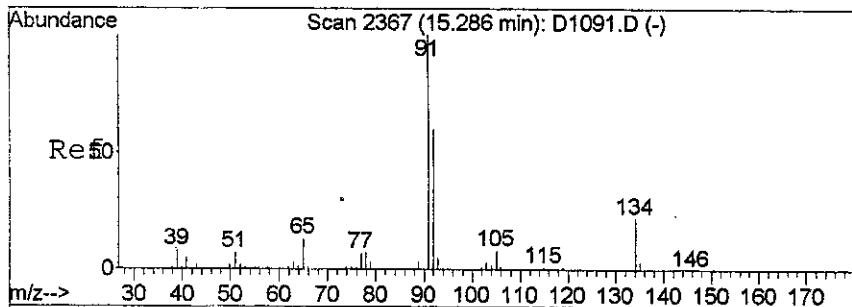
134 25.4 6.1 46.1



Abundance Ion 119.00 (118.70 to 119.70): D4396.D
Ion 134.00 (133.70 to 134.70): D4396.D



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#70

n-Butylbenzene

Concen: 278.63 ug/l m

RT: 15.21 min Scan# 2352

Delta R.T. 0.03 min

Lab File: D4396.D

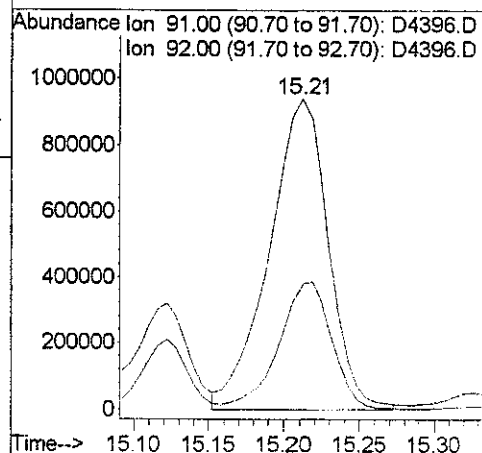
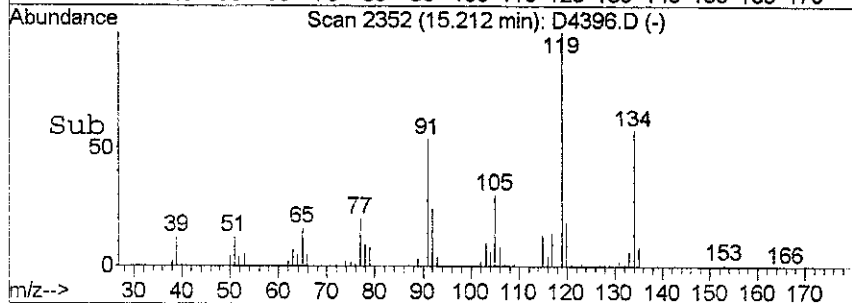
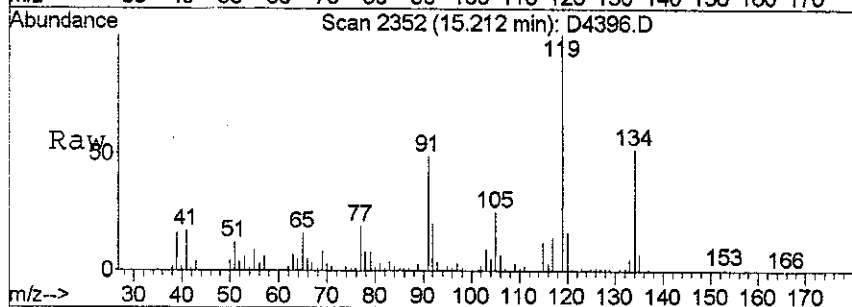
Acq: 2 Aug 2006 14:02

Tgt Ion: 91 Resp: 2537232

Ion Ratio Lower Upper

91 100

92 40.3 41.6 81.6#



V-56

Data File : D:\D\DATA\AUG06\D0802\D4396.D

Acq On : 2 Aug 2006 14:02

Sample : 0607110

Misc : SOIL 2903 05-DP5 S

MS Integration Params: rteint.p

Quant Time: Aug 3 11:37 2006

Vial: 7

Operator:

Inst : GC/MS Ins

Multiplr: 1.00

Quant Results File: VD8S0718.RES

Quant Method : D:\D\METHODS\VD8S0718.M (RTE Integrator)

Title : VOA 8260 METHOD

Last Update : Tue Jul 18 13:28:21 2006

Response via : Initial Calibration

DataAcq Meth : VD8S0718

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.46	168	254141	50.00	ug/l	-0.14
24) 1,4-Difluorobenzene	7.52	114	494560	50.00	ug/l	0.02
43) Chlorobenzene-d5	11.79	117	321642	50.00	ug/l	0.04
55) 1,4-Dichlorobenzene-d4	14.79	152	109564	50.00	ug/l	0.02

System Monitoring Compounds

25) 1,2-Dichloroethane-d4	6.84	65	267867	72.22	ug/l	0.00
Spiked Amount	50.000	Range	70 - 121	Recovery	=	144.44%#
36) Toluene-d8	9.67	98	489348	43.29	ug/l	0.05
Spiked Amount	50.000	Range	81 - 117	Recovery	=	86.58%
42) Bromofluorobenzene	13.35	95	466702	104.21	ug/l	0.01
Spiked Amount	50.000	Range	74 - 121	Recovery	=	208.42%#

Target Compounds

						Qvalue
56) Isopropylbenzene	13.14	105	187264	20.67	ug/l	92
59) n-Propyl benzene	13.66	91	1444372	114.81	ug/l	97
61) 1,3,5-Trimethylbenzene	13.89	105	260757	33.87	ug/l	98
65) 1,2,4-Trimethylbenzene	14.35	105	2465247	317.02	ug/l	94
66) sec-Butylbenzene	14.54	105	616682	56.56	ug/l	92
67) p-Isopropyltoluene	14.72	119	419763	53.56	ug/l	99
70) n-Butylbenzene	15.21	91	2537232m	278.63	ug/l	

V-57

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

D4396.D VD8S0718.M Mon Aug 07 16:50:53 2006

Page 1

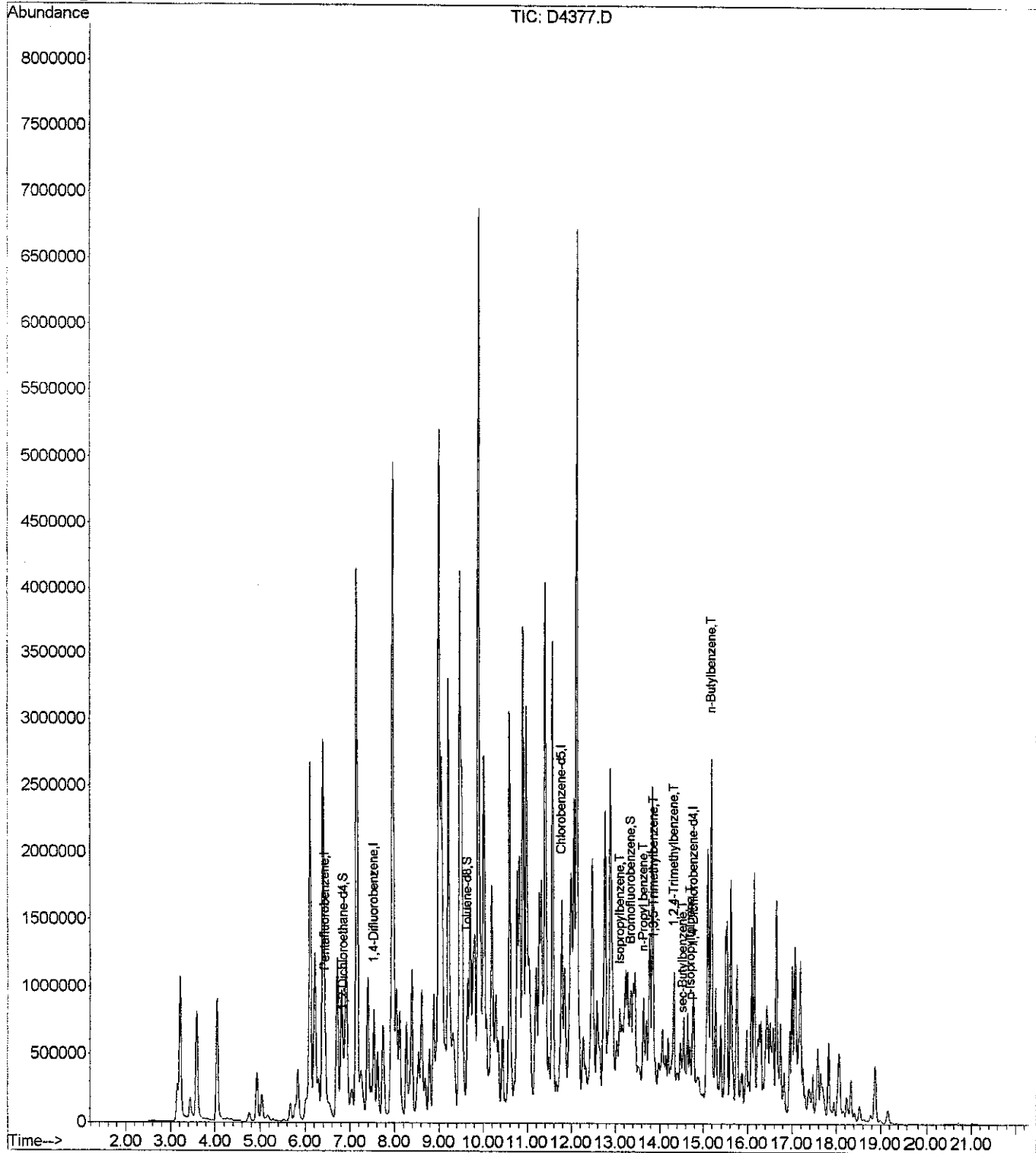
Quantitation Report

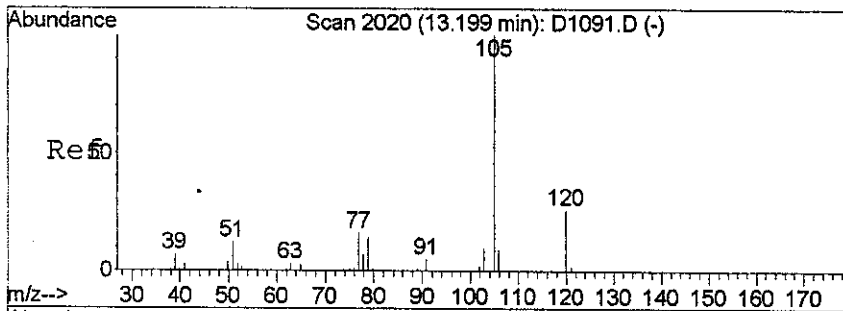
Data File : D:\D\DATA\AUG06\D0801\D4377.D
Acq On : 1 Aug 2006 20:54
Sample : 0607110DL
Misc : SOIL 2903 05-DP5 SBL
MS Integration Params: rteint.p
Quant Time: Aug 7 17:04 2006

Vial: 4
Operator:
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: VD8S0718.R

Method : D:\D\METHODS\VD8S0718.M (RTE Integrator)
Title : VOA 8260 METHOD
Last Update : Tue Jul 18 13:28:21 2006
Response via : Initial Calibration





#56

Isopropylbenzene

Concen: 2.05 ug/l

RT: 13.11 min Scan# 2005

Delta R.T. 0.01 min

Lab File: D4377.D

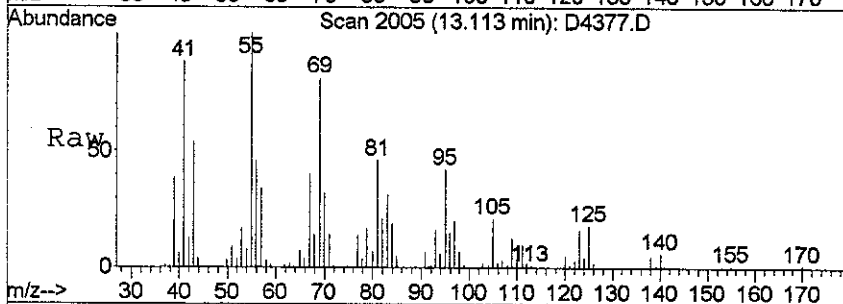
Acq: 1 Aug 2006 20:54

Tgt Ion: 105 Resp: 39344

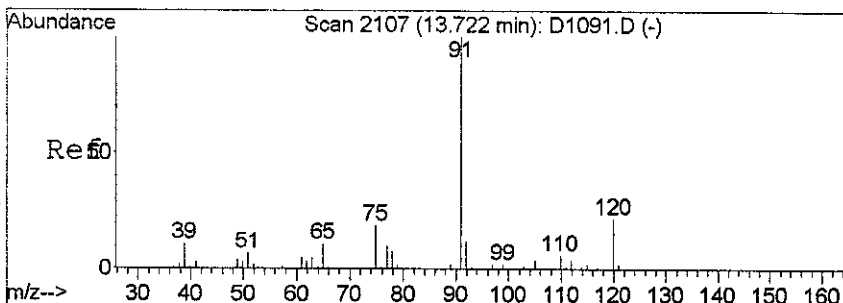
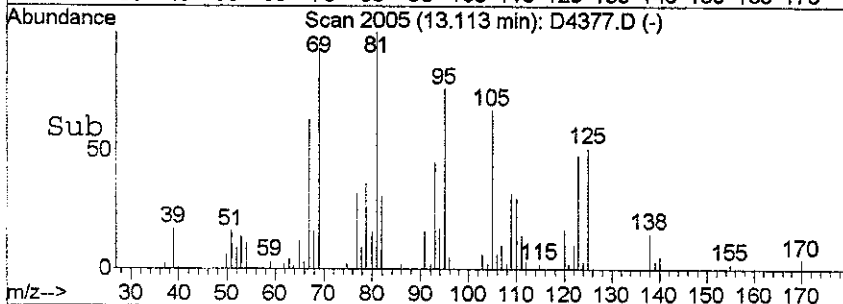
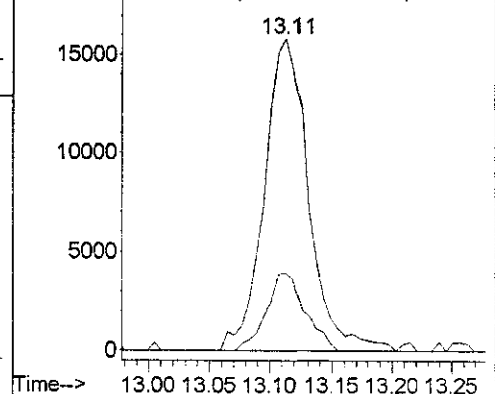
Ion Ratio Lower Upper

105 100

120 24.8 6.5 46.5



Abundance Ion 105.00 (104.70 to 105.70): D4377.D
Ion 120.00 (119.70 to 120.70): D4377.D



#59

n-Propyl benzene

Concen: 13.99 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. 0.01 min

Lab File: D4377.D

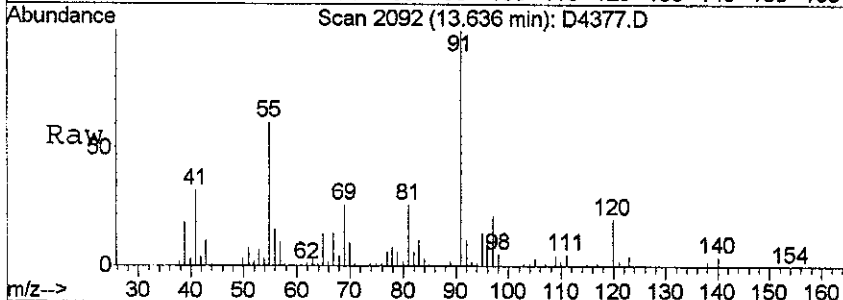
Acq: 1 Aug 2006 20:54

Tgt Ion: 91 Resp: 373273

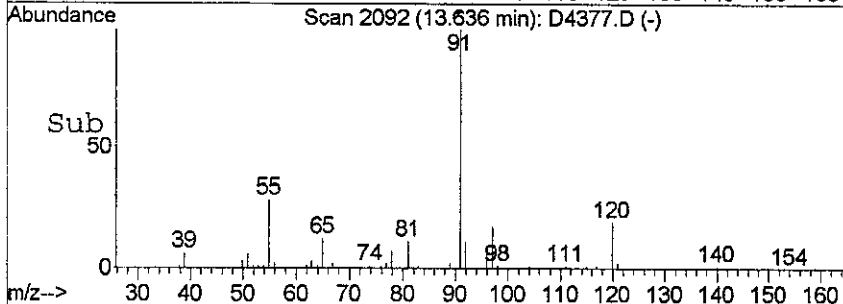
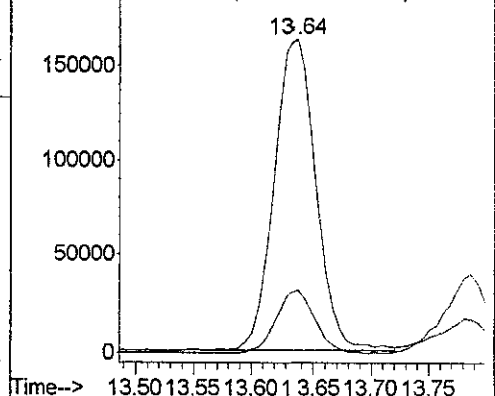
Ion Ratio Lower Upper

91 100

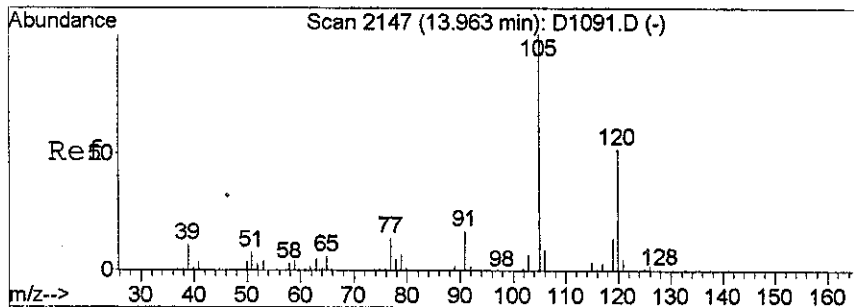
120 19.6 1.3 41.3



Abundance Ion 91.00 (90.70 to 91.70): D4377.D
Ion 120.00 (119.70 to 120.70): D4377.D

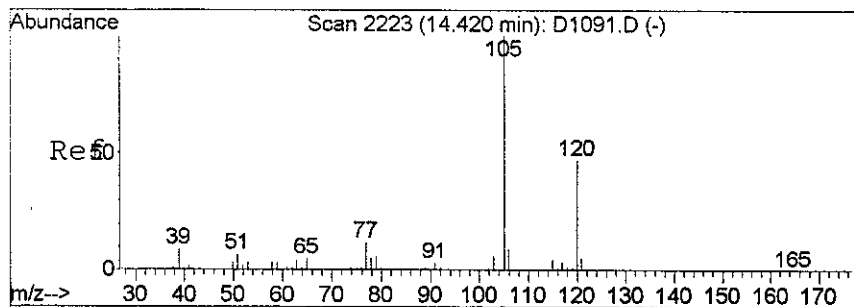
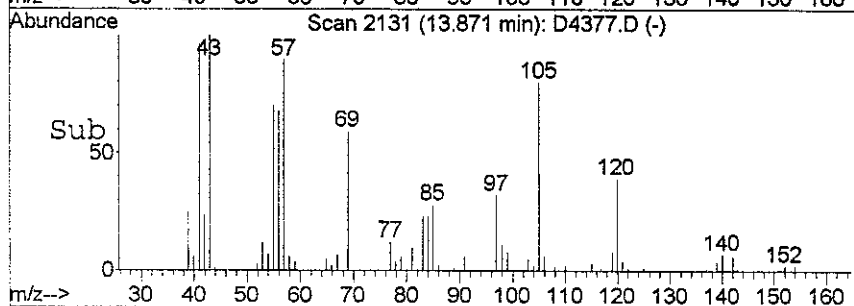
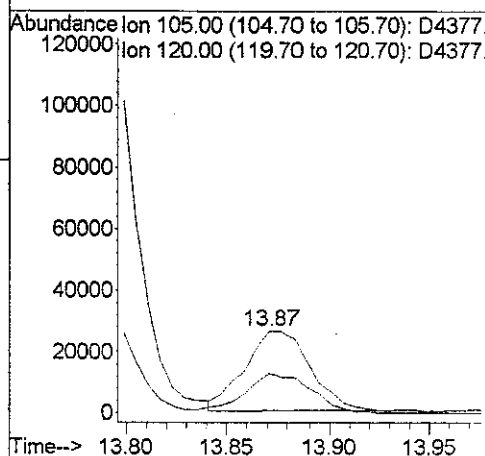
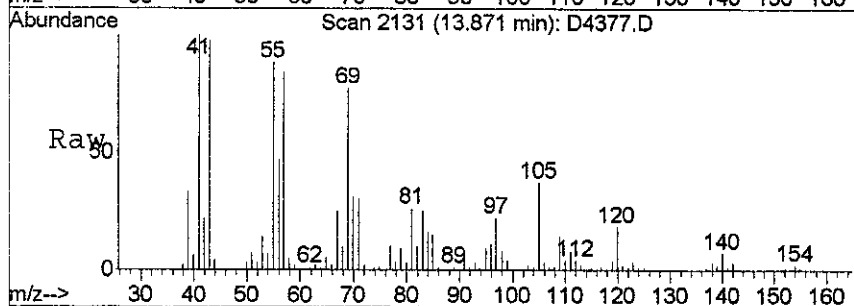


V-59



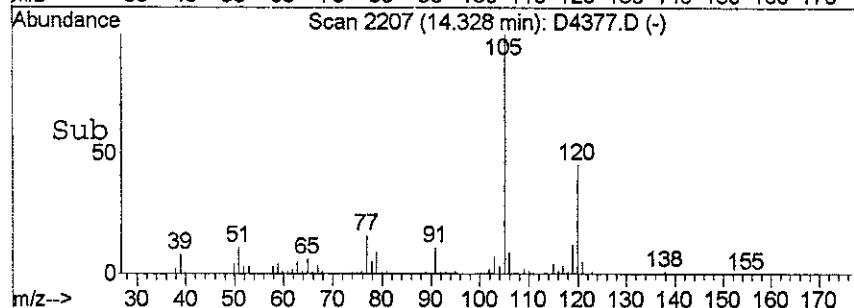
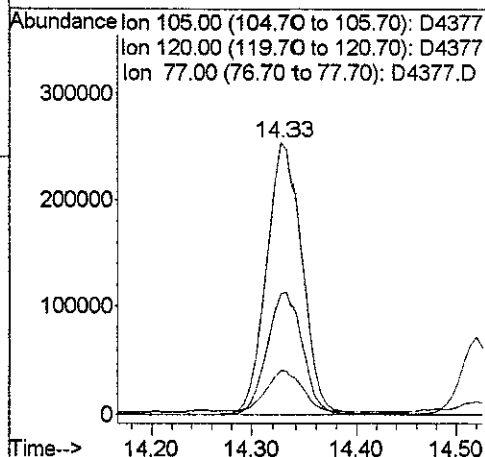
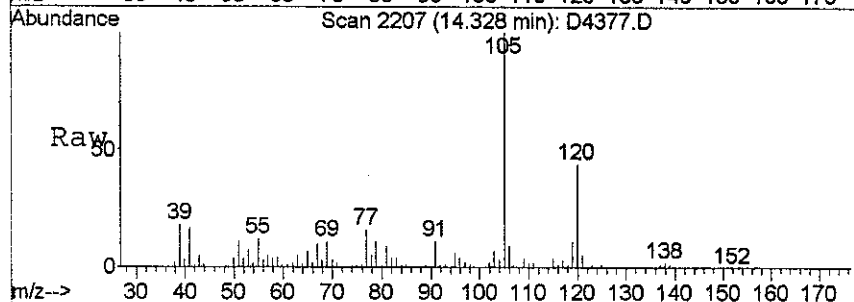
#61
 1,3,5-Trimethylbenzene
 Concen: 3.50 ug/l
 RT: 13.87 min Scan# 2131
 Delta R.T. 0.01 min
 Lab File: D4377.D
 Acq: 1 Aug 2006 20:54

Tgt Ion:105 Resp: 57134
 Ion Ratio Lower Upper
 105 100
 120 48.6 31.7 71.7

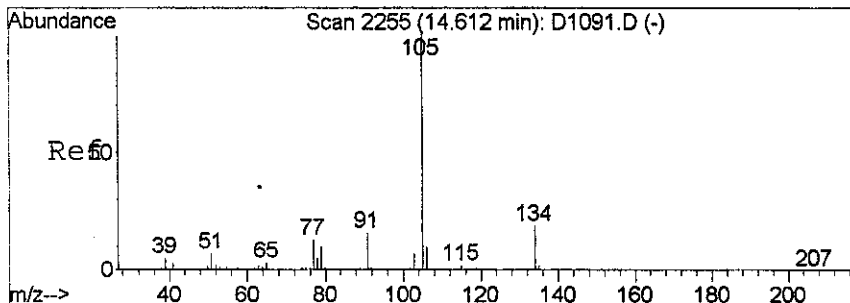


#65
 1,2,4-Trimethylbenzene
 Concen: 35.07 ug/l
 RT: 14.33 min Scan# 2207
 Delta R.T. 0.01 min
 Lab File: D4377.D
 Acq: 1 Aug 2006 20:54

Tgt Ion:105 Resp: 578529
 Ion Ratio Lower Upper
 105 100
 120 44.0 27.9 67.9
 77 16.4 0.0 33.4

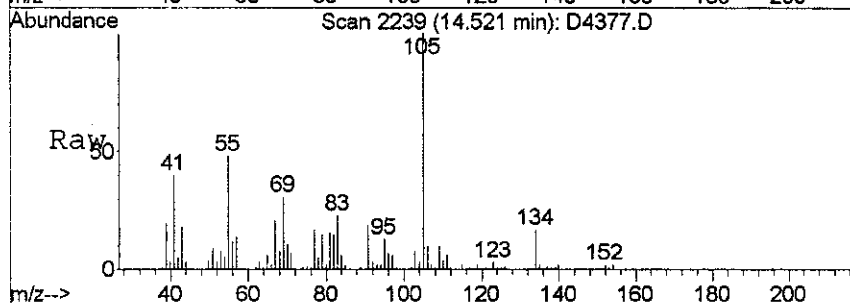


V-60



#66
 sec-Butylbenzene
 Concen: 6.74 ug/l
 RT: 14.52 min Scan# 2239
 Delta R.T. 0.01 min
 Lab File: D4377.D
 Acq: 1 Aug 2006 20:54

Tgt Ion	Ratio	Lower	Upper
105	100		
134	17.2	0.0	39.0
91	19.1	0.0	34.9

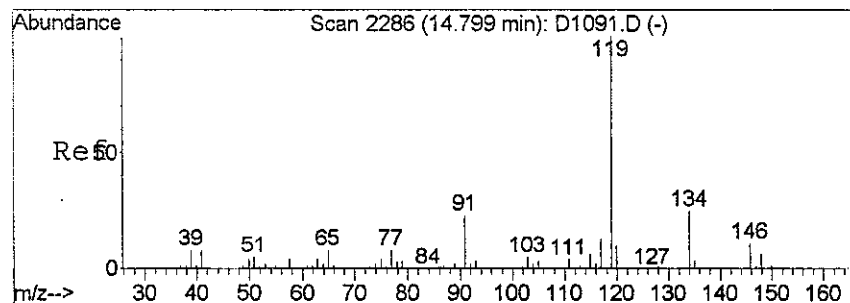
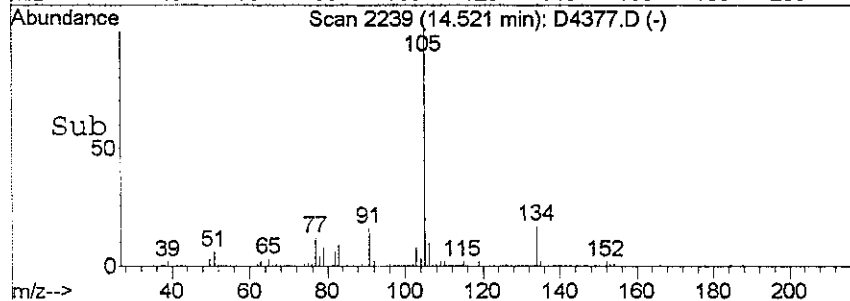
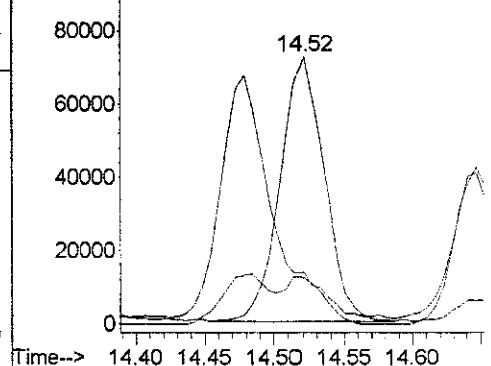


Abundance

Ion 105.00 (104.70 to 105.70): D4377.D

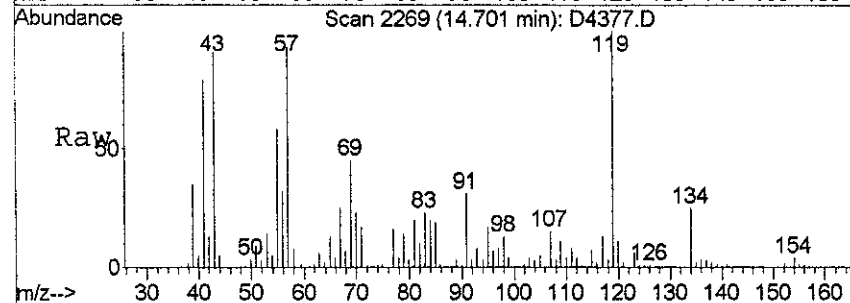
Ion 134.00 (133.70 to 134.70): D4377.D

Ion 91.00 (90.70 to 91.70): D4377.D



#67
 p-Isopropyltoluene
 Concen: 6.29 ug/l
 RT: 14.70 min Scan# 2269
 Delta R.T. 0.01 min
 Lab File: D4377.D
 Acq: 1 Aug 2006 20:54

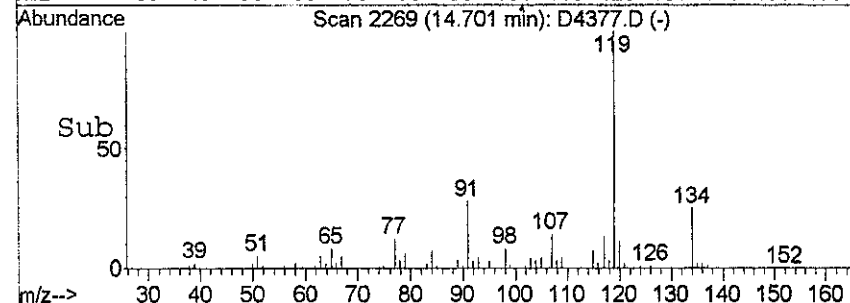
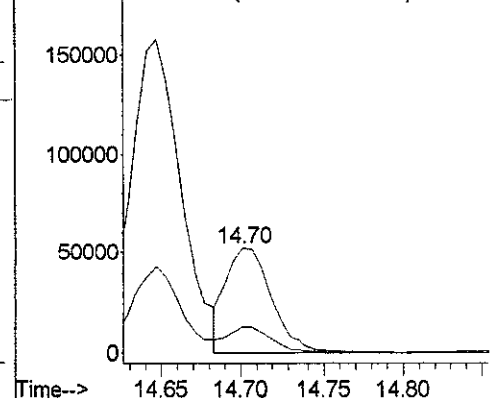
Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.3	6.1	46.1



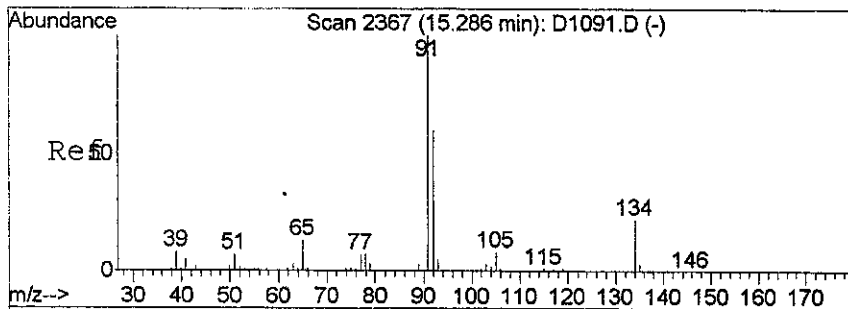
Abundance

Ion 119.00 (118.70 to 119.70): D4377.D

Ion 134.00 (133.70 to 134.70): D4377.D

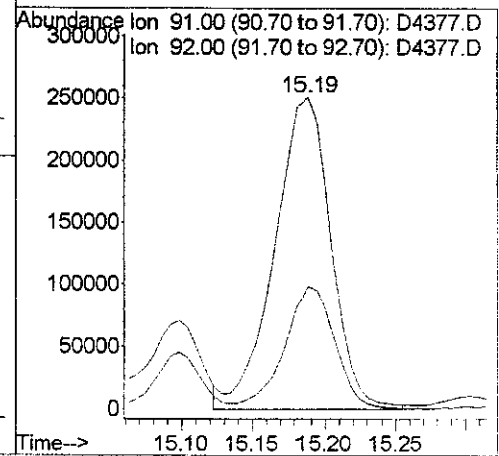
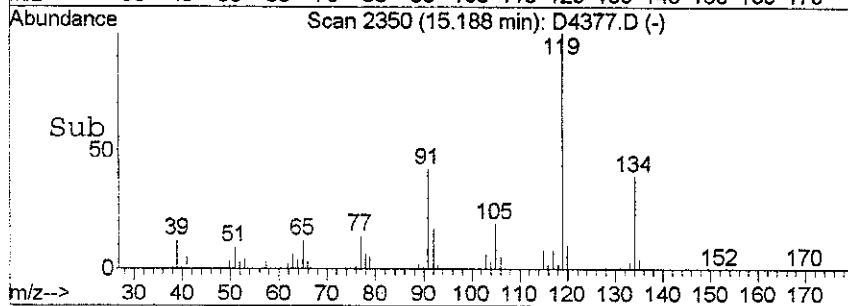
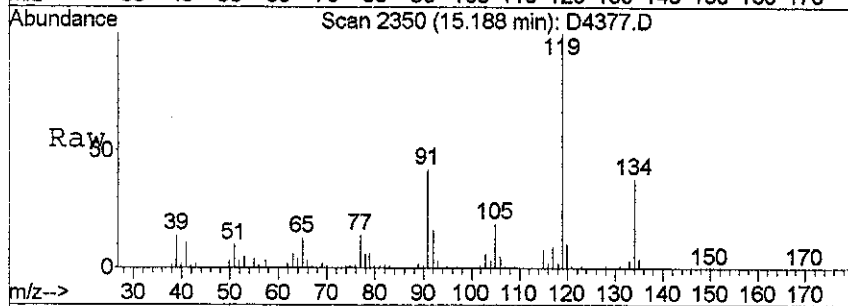


V-61



#70
 n-Butylbenzene
 Concen: 34.84 ug/l m
 RT: 15.19 min Scan# 2350
 Delta R.T. 0.01 min
 Lab File: D4377.D
 Acq: 1 Aug 2006 20:54

Tgt Ion: 91 Resp: 673009
 Ion Ratio Lower Upper
 91 100
 92 39.1 41.6 81.6#



V-62

Data File : D:\D\DATA\AUG06\D0801\D4377.D

Acq On : 1 Aug 2006 20:54

Sample : 0607110DL

Misc : SOIL 2903 05-DP5 SDLC

MS Integration Params: rteint.p

Quant Time: Aug 7 17:04 2006

Vial: 4

Operator:

Inst : GC/MS Ins

Multiplr: 1.00

Quant Results File: VD8S0718.RES

Quant Method : D:\D\METHODS\VD8S0718.M (RTE Integrator)

Title : VOA 8260 METHOD

Last Update : Tue Jul 18 13:28:21 2006

Response via : Initial Calibration

DataAcq Meth : VD8S0718

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.45	168	307720	50.00	ug/l	-0.16
24) 1,4-Difluorobenzene	7.54	114	651386	50.00	ug/l	0.03
43) Chlorobenzene-d5	11.77	117	568299	50.00	ug/l	0.02
55) 1,4-Dichlorobenzene-d4	14.77	152	232391	50.00	ug/l	0.01

System Monitoring Compounds

25) 1,2-Dichloroethane-d4	6.86	65	268172	54.90	ug/l	0.02
Spiked Amount	50.000	Range	70 - 121	Recovery	=	109.80%
36) Toluene-d8	9.64	98	803259	53.96	ug/l	0.02
Spiked Amount	50.000	Range	81 - 117	Recovery	=	107.92%
42) Bromofluorobenzene	13.35	95	382406	64.83	ug/l	0.02
Spiked Amount	50.000	Range	74 - 121	Recovery	=	129.66%#

Target Compounds

						Qvalue
56) Isopropylbenzene	13.11	105	39344	2.05	ug/l	97
59) n-Propyl benzene	13.64	91	373273	13.99	ug/l	96
61) 1,3,5-Trimethylbenzene	13.87	105	57134	3.50	ug/l	96
65) 1,2,4-Trimethylbenzene	14.33	105	578529	35.07	ug/l	94
66) sec-Butylbenzene	14.52	105	155860	6.74	ug/l	93
67) p-Isopropyltoluene	14.70	119	104521	6.29	ug/l	98
70) n-Butylbenzene	15.19	91	673009m	34.84	ug/l	

----- V-63

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

D4377.D VD8S0718.M Mon Aug 07 17:05:32 2006

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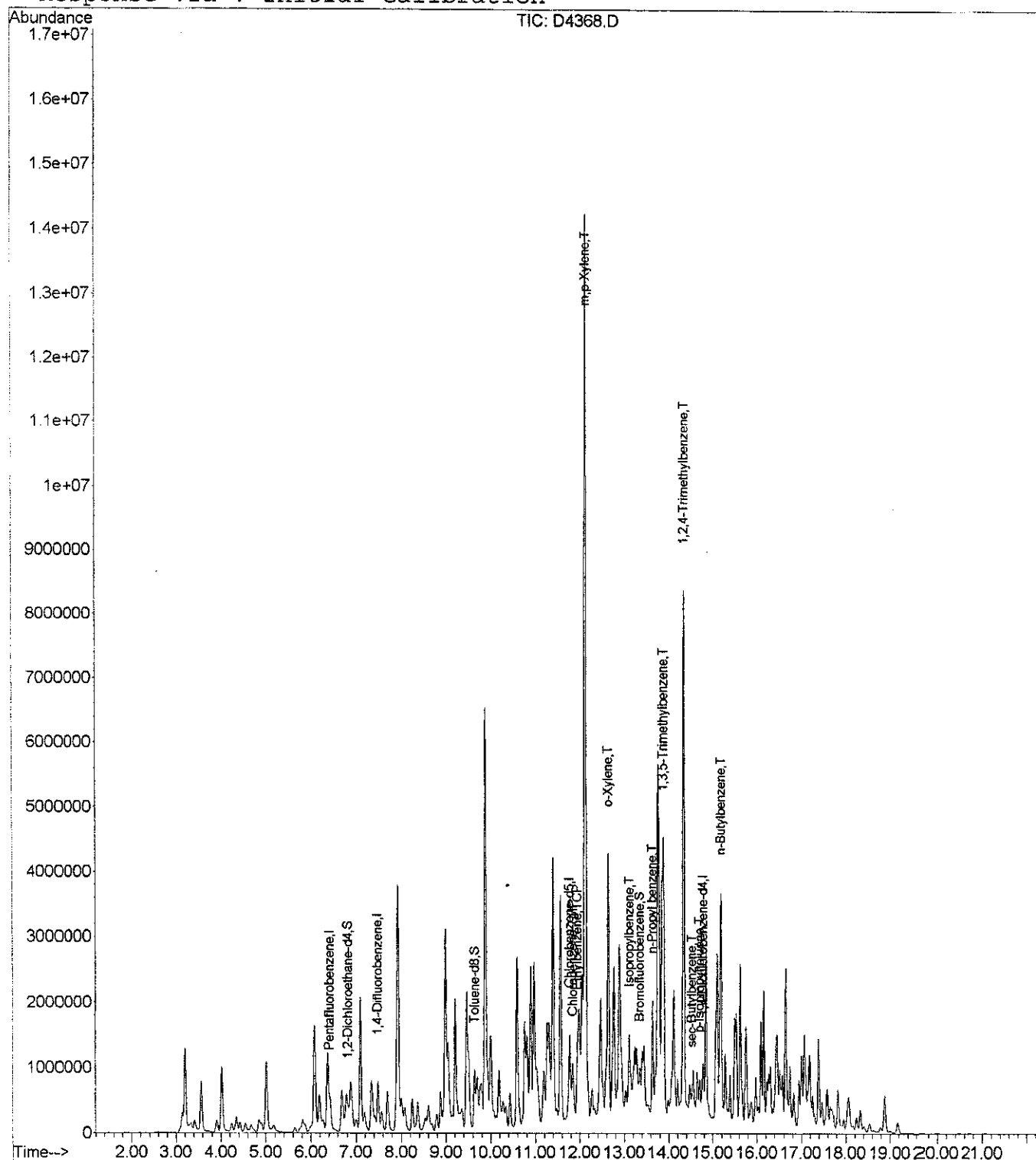
Quantitation Report

Data File : D:\D\DATA\AUG06\D0801\D4368.D
 Acq On : 1 Aug 2006 15:43
 Sample : 0607111
 Misc : SOIL 2903 05-DP4 S
 MS Integration Params: rteint.p
 Quant Time: Aug 1 16:35 2006

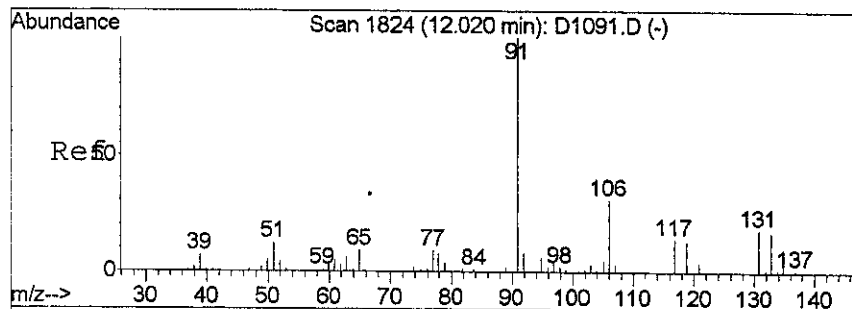
Vial: 11
 Operator:
 Inst : GC/MS Ins
 Multiplr: 1.00

Quant Results File: VD8S0718.R

Method : D:\D\METHODS\VD8S0718.M (RTE Integrator)
 Title : VOA 8260 METHOD
 Last Update : Tue Jul 18 13:28:21 2006
 Response via : Initial Calibration



V-64



#48

Ethylbenzene

Concen: 22.26 ug/l

RT: 11.94 min Scan# 1810

Delta R.T. 0.02 min

Lab File: D4368.D

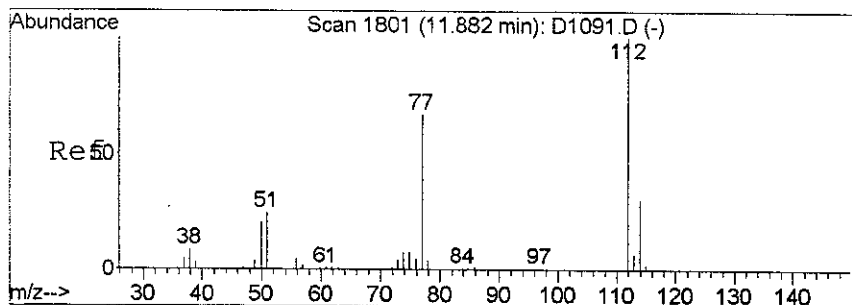
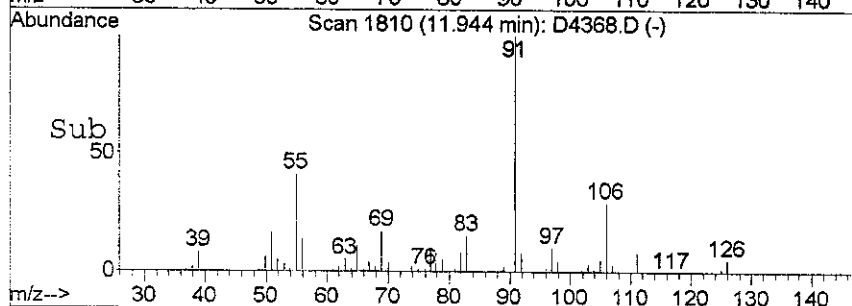
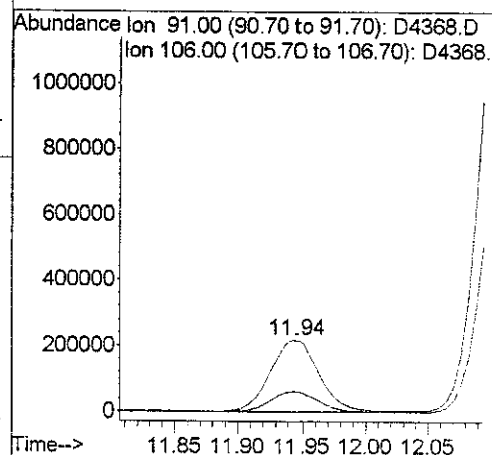
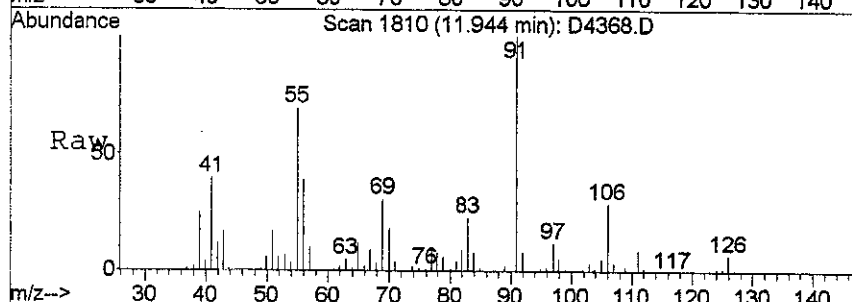
Acq: 1 Aug 2006 15:43

Tgt Ion: 91 Resp: 563367

Ion Ratio Lower Upper

91 100

106 28.7 12.2 52.2



#49

Chlorobenzene

Concen: 1.16 ug/l

RT: 11.84 min Scan# 1793

Delta R.T. 0.05 min

Lab File: D4368.D

Acq: 1 Aug 2006 15:43

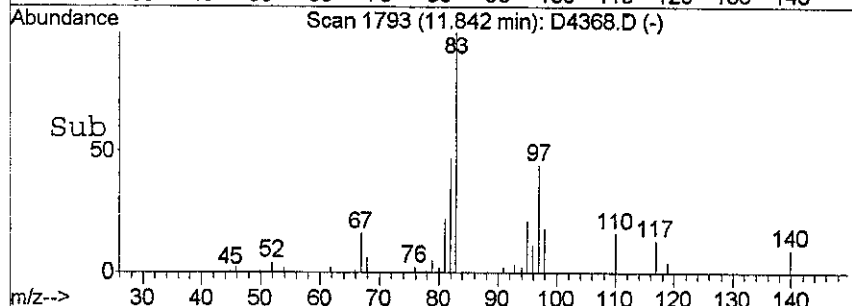
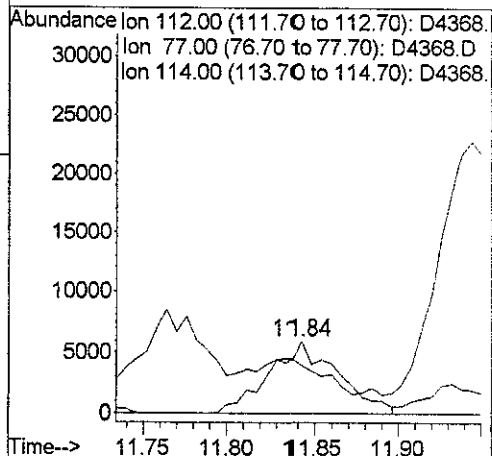
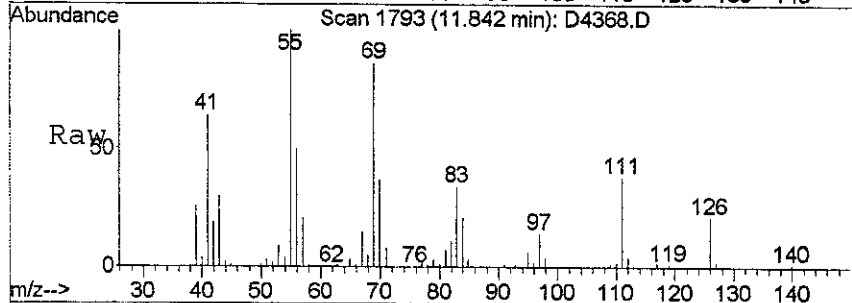
Tgt Ion: 112 Resp: 16227

Ion Ratio Lower Upper

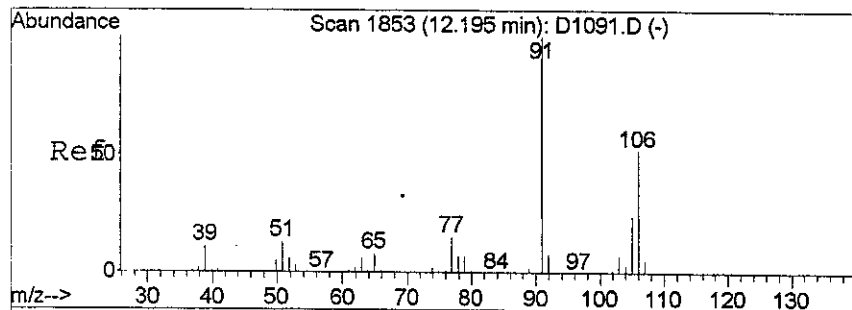
112 100

77 66.3 50.2 90.2

114 0.0 12.1 52.1#

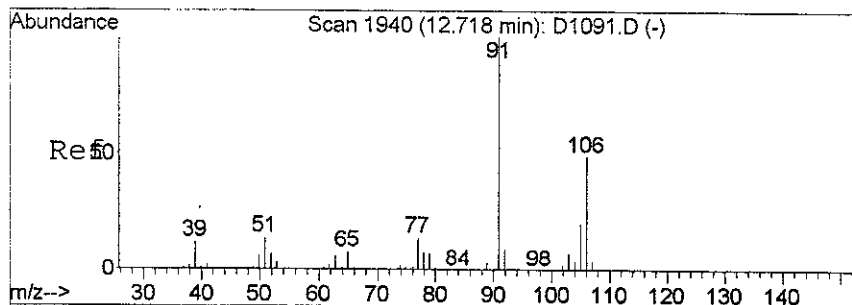
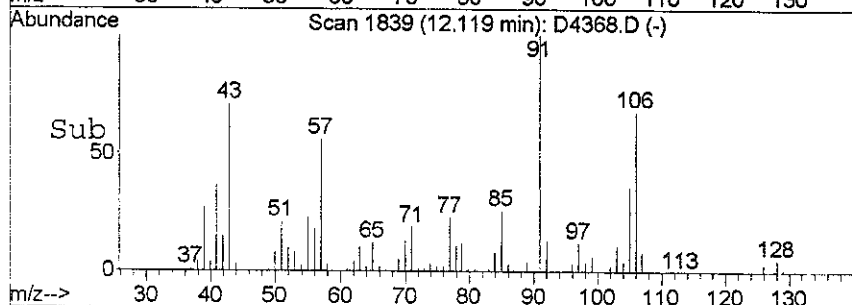
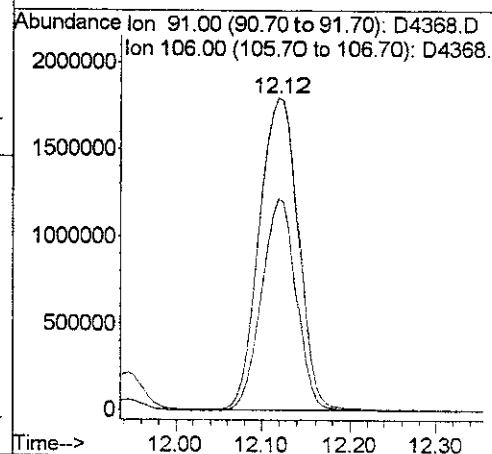
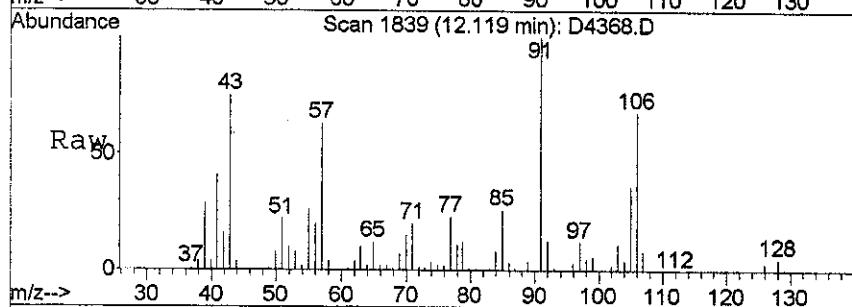


V-65



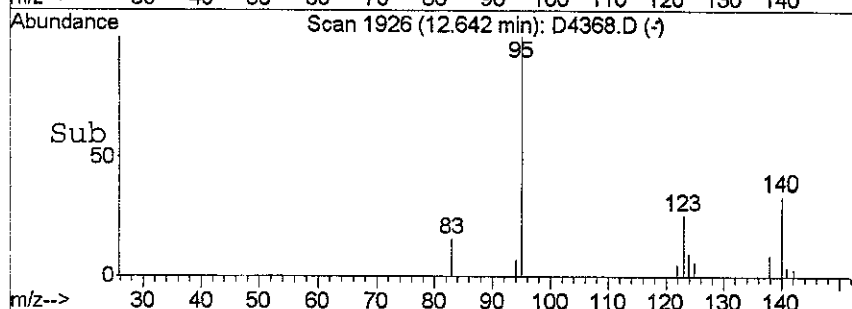
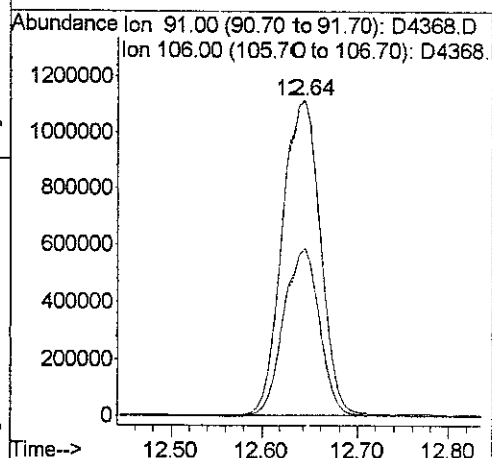
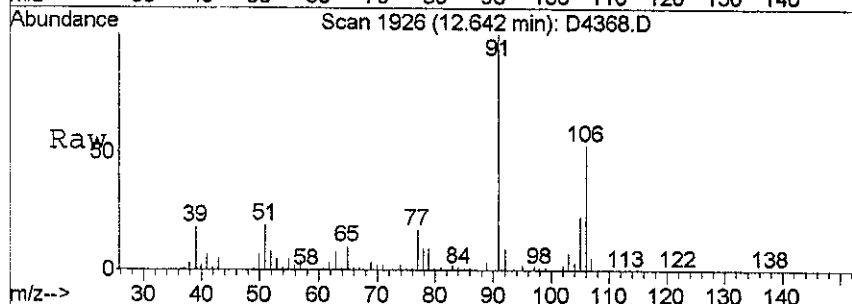
#51
m,p-Xylene
Concen: 306.25 ug/l
RT: 12.12 min Scan# 1839
Delta R.T. 0.02 min
Lab File: D4368.D
Acq: 1 Aug 2006 15:43

Tgt Ion: 91 Resp: 5563824
Ion Ratio Lower Upper
91 100
106 67.7 33.5 73.5

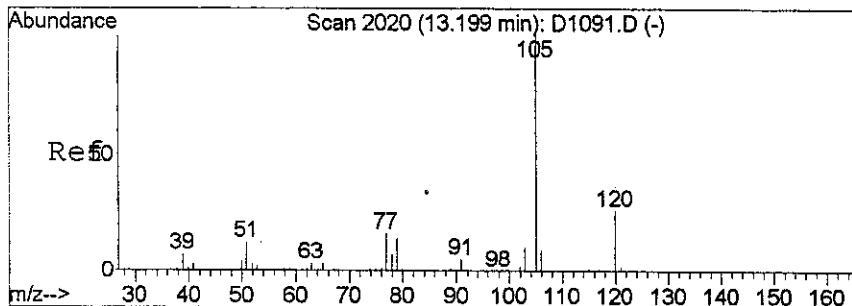


#52
o-Xylene
Concen: 161.35 ug/l
RT: 12.64 min Scan# 1926
Delta R.T. 0.02 min
Lab File: D4368.D
Acq: 1 Aug 2006 15:43

Tgt Ion: 91 Resp: 2962563
Ion Ratio Lower Upper
91 100
106 52.6 30.7 70.7

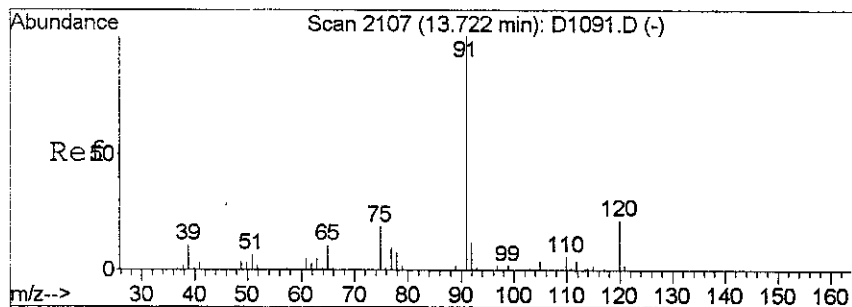
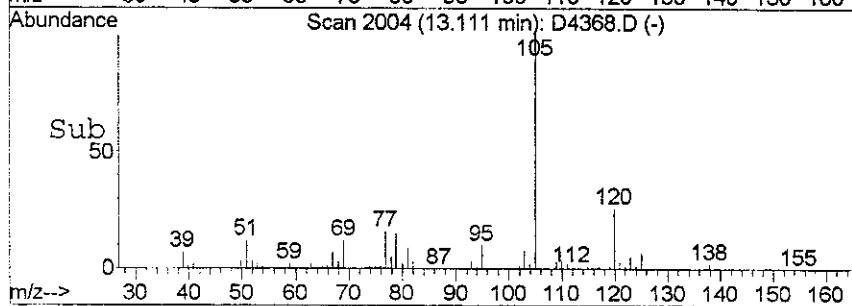
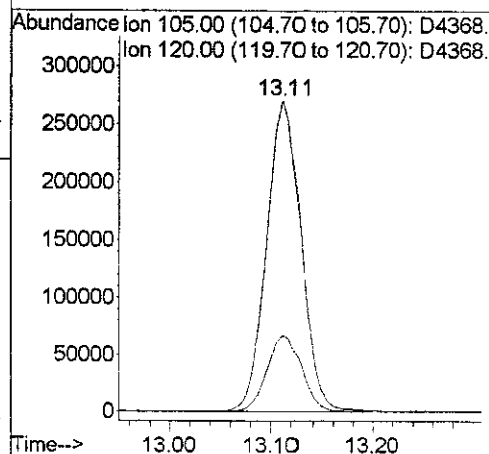
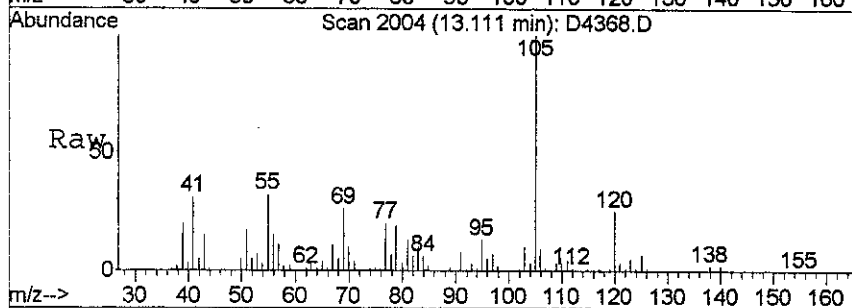


V-660



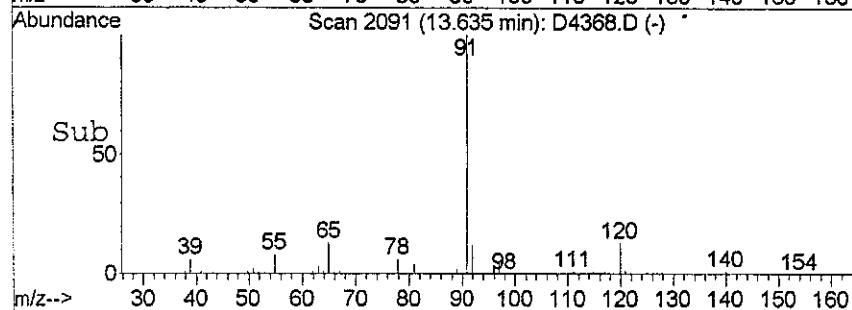
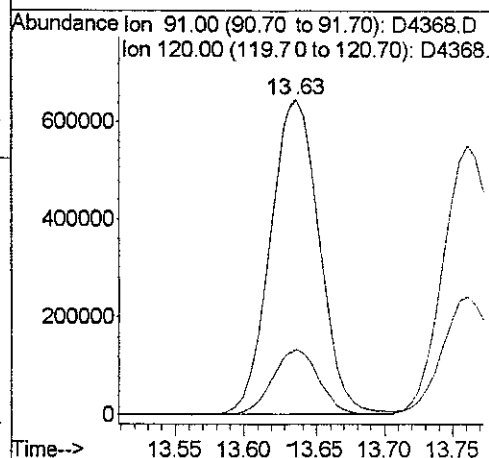
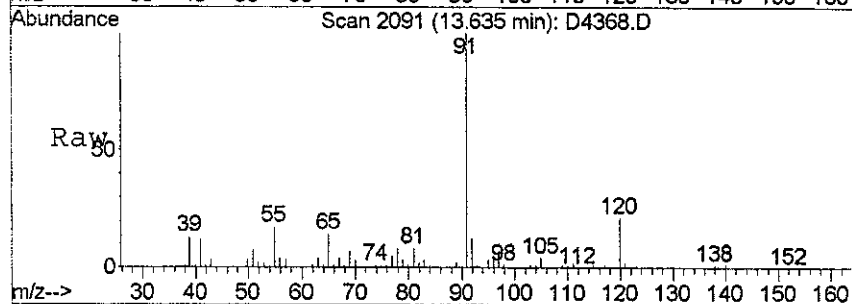
#56
Isopropylbenzene
Concen: 32.75 ug/l
RT: 13.11 min Scan# 2004
Delta R.T. 0.01 min
Lab File: D4368.D
Acq: 1 Aug 2006 15:43

Tgt Ion: 105 Resp: 628433
Ion Ratio Lower Upper
105 100
120 24.8 6.5 46.5

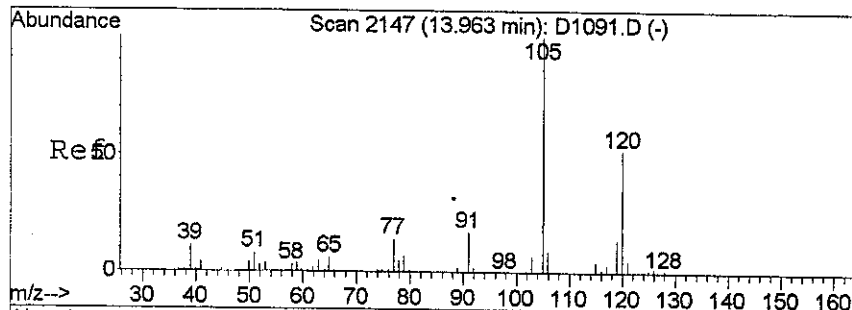


#59
n-Propyl benzene
Concen: 56.09 ug/l
RT: 13.63 min Scan# 2091
Delta R.T. 0.01 min
Lab File: D4368.D
Acq: 1 Aug 2006 15:43

Tgt Ion: 91 Resp: 1494382
Ion Ratio Lower Upper
91 100
120 21.0 1.3 41.3

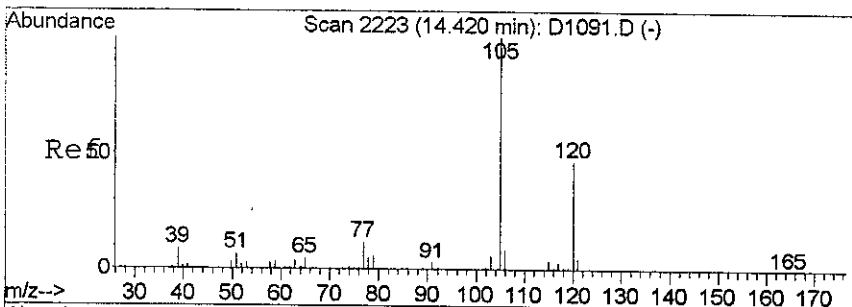
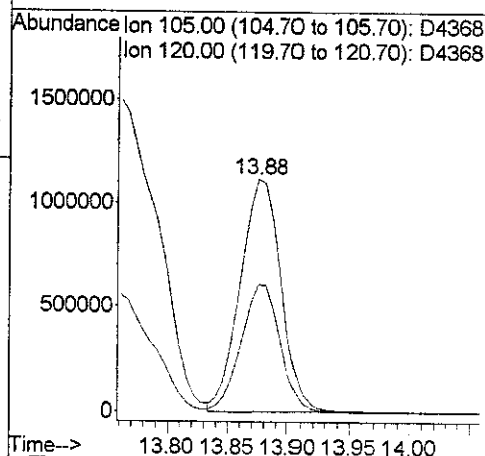
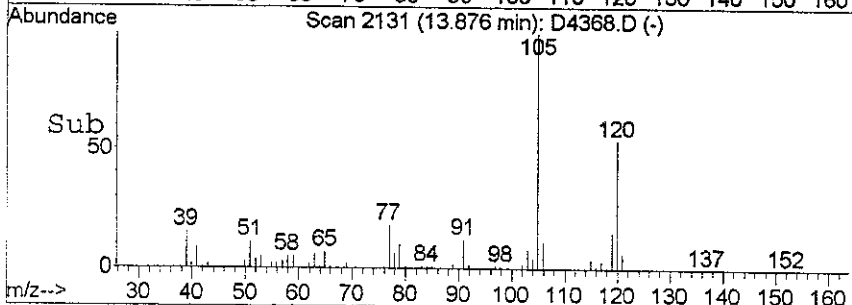
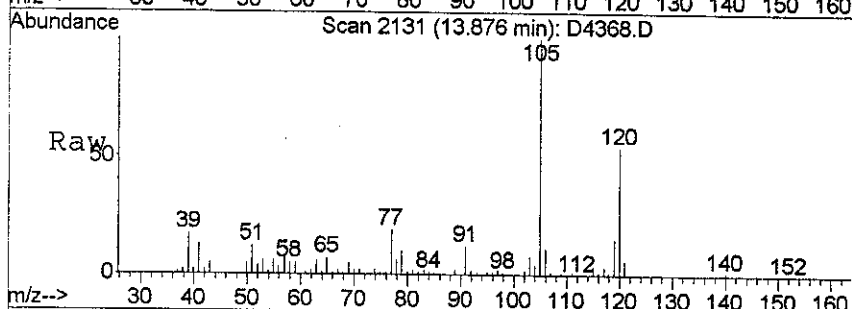


V-67



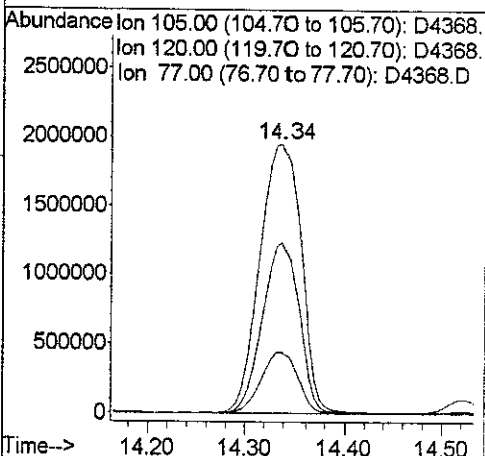
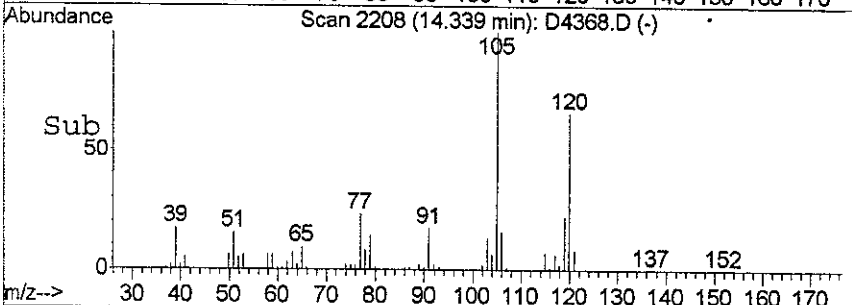
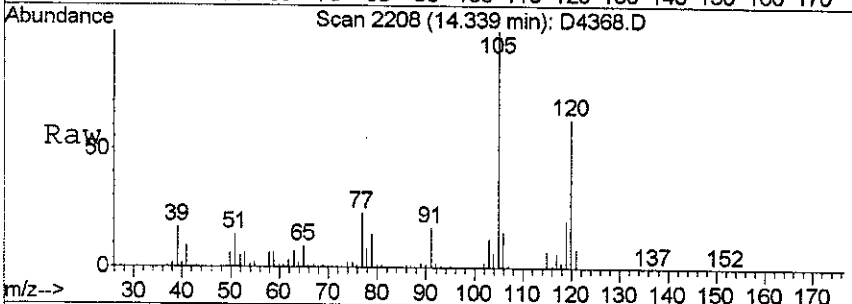
#61
1,3,5-Trimethylbenzene
Concen: 160.10 ug/l
RT: 13.88 min Scan# 2131
Delta R.T. 0.01 min
Lab File: D4368.D
Acq: 1 Aug 2006 15:43

Tgt Ion:105 Resp: 2610489
Ion Ratio Lower Upper
105 100
120 54.4 31.7 71.7

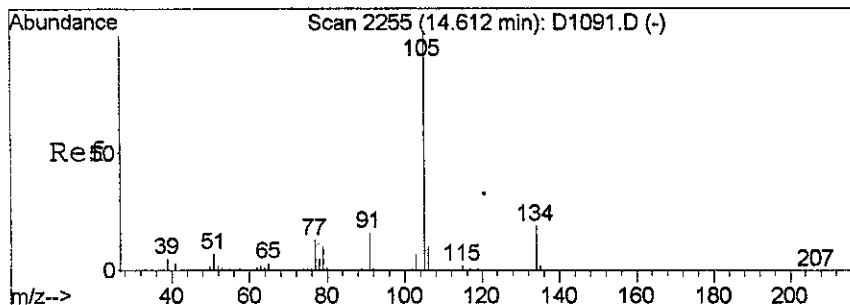


#65
1,2,4-Trimethylbenzene
Concen: 330.38 ug/l
RT: 14.34 min Scan# 2208
Delta R.T. 0.02 min
Lab File: D4368.D
Acq: 1 Aug 2006 15:43

Tgt Ion:105 Resp: 5440982
Ion Ratio Lower Upper
105 100
120 63.3 27.9 67.9
77 22.6 0.0 33.4



V-68



#66

sec-Butylbenzene

Concen: 9.90 ug/l

RT: 14.52 min Scan# 2238

Delta R.T. 0.01 min

Lab File: D4368.D

Acq: 1 Aug 2006 15:43

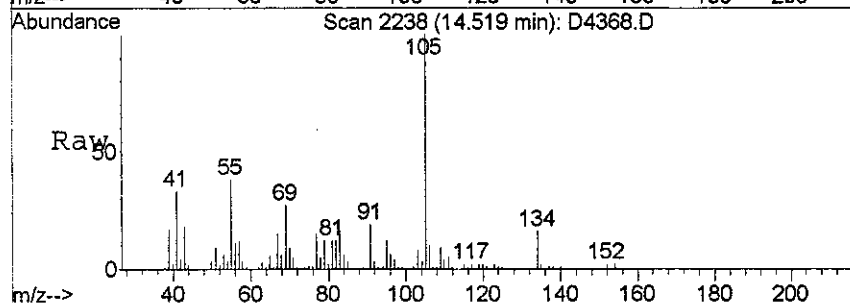
Tgt Ion:105 Resp: 228551

Ion Ratio Lower Upper

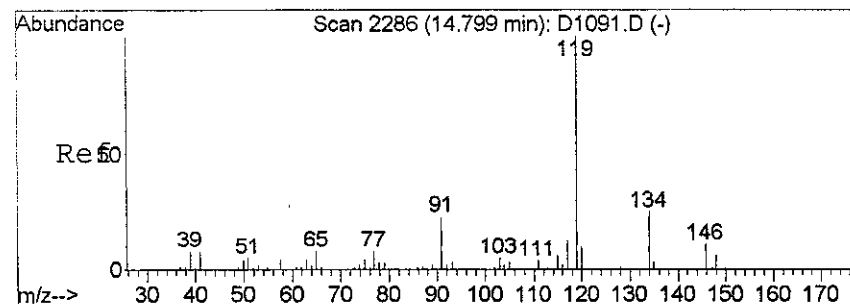
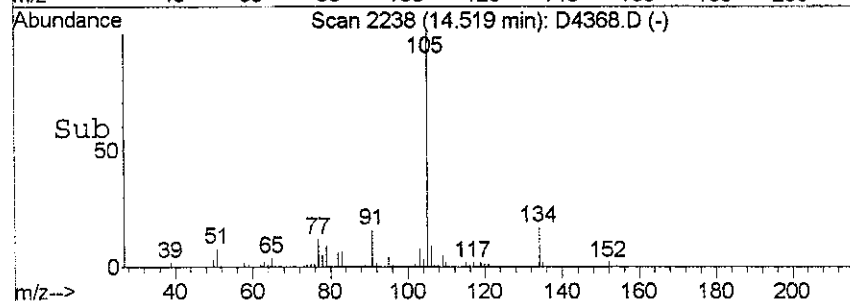
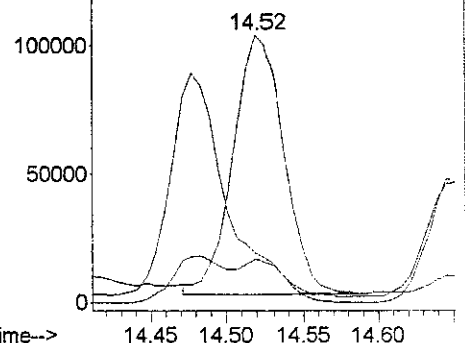
105 100

134 16.4 0.0 39.0

91 18.5 0.0 34.9



Abundance Ion 105.00 (104.70 to 105.70): D4368.D
Ion 134.00 (133.70 to 134.70): D4368.D
Ion 91.00 (90.70 to 91.70): D4368.D



#67

p-Isopropyltoluene

Concen: 13.29 ug/l

RT: 14.71 min Scan# 2269

Delta R.T. 0.01 min

Lab File: D4368.D

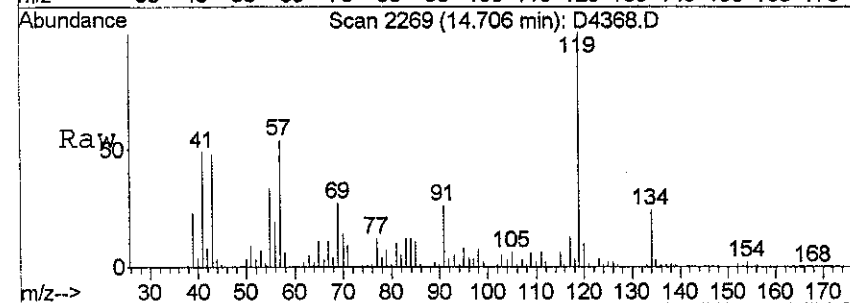
Acq: 1 Aug 2006 15:43

Tgt Ion:119 Resp: 220587

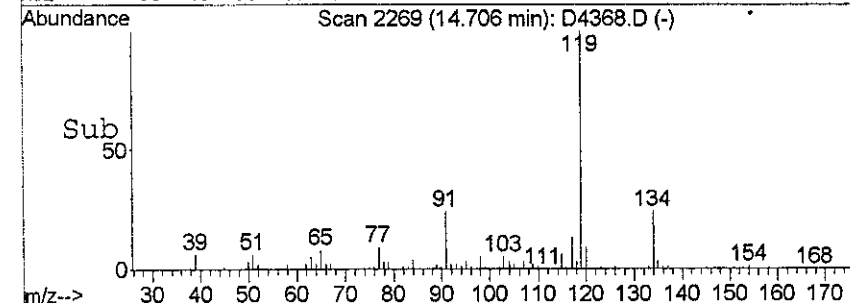
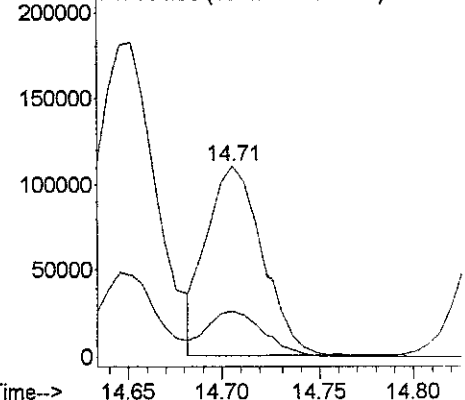
Ion Ratio Lower Upper

119 100

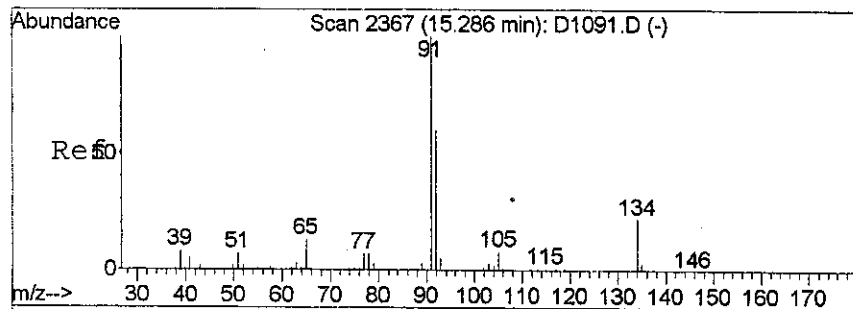
134 23.8 6.1 46.1



Abundance Ion 119.00 (118.70 to 119.70): D4368.D
Ion 134.00 (133.70 to 134.70): D4368.D

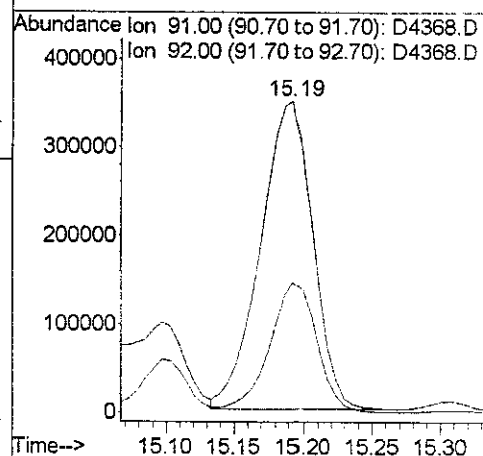
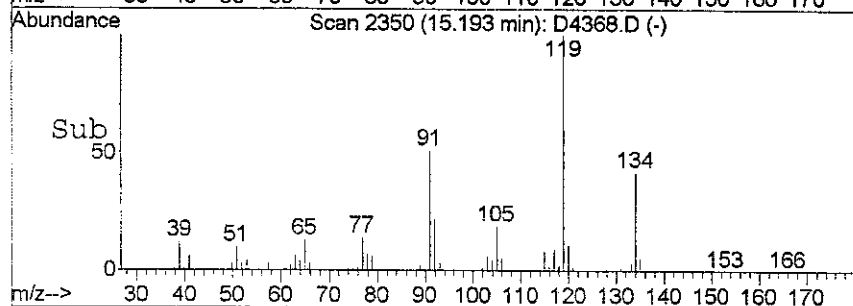
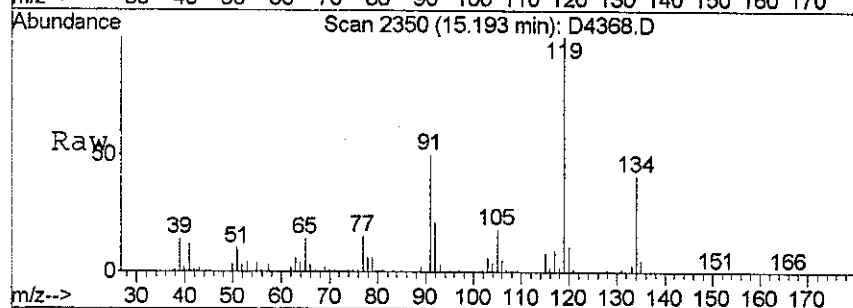


V-69



#70
 n-Butylbenzene
 Concen: 46.93 ug/l
 RT: 15.19 min Scan# 2350
 Delta R.T. 0.01 min
 Lab File: D4368.D
 Acq: 1 Aug 2006 15:43

Tgt Ion: 91 Resp: 904999
 Ion Ratio Lower Upper
 91 100
 92 41.7 41.6 81.6



V-70

Data File : D:\D\DATA\AUG06\D0801\D4368.D
 Acq On : 1 Aug 2006 15:43
 Sample : 0607111
 Misc : SOIL 2903 05-DP4 S
 MS Integration Params: rteint.p.
 Quant Time: Aug 1 16:35 2006

Vial: 11
 Operator:
 Inst : GC/MS Ins
 Multiplr: 1.00

Quant Results File: VD8S0718.RES

Quant Method : D:\D\METHODS\VD8S0718.M (RTE Integrator)
 Title : VOA 8260 METHOD
 Last Update : Tue Jul 18 13:28:21 2006
 Response via : Initial Calibration
 DataAcq Meth : VD8S0718

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	325178	50.00	ug/l	-0.18
24) 1,4-Difluorobenzene	7.49	114	704030	50.00	ug/l	-0.02
43) Chlorobenzene-d5	11.77	117	606757	50.00	ug/l	0.02
55) 1,4-Dichlorobenzene-d4	14.77	152	232034	50.00	ug/l	0.01

System Monitoring Compounds						
25) 1,2-Dichloroethane-d4	6.82	65	289336	54.80	ug/l	-0.01
Spiked Amount 50.000	Range 70	- 121	Recovery	=	109.60%	
36) Toluene-d8	9.64	98	835358	51.92	ug/l	0.02
Spiked Amount 50.000	Range 81	- 117	Recovery	=	103.84%	
42) Bromofluorobenzene	13.35	95	319629m	50.13	ug/l	0.02
Spiked Amount 50.000	Range 74	- 121	Recovery	=	100.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
48) Ethylbenzene	11.94	91	563367	22.26	ug/l	94
49) Chlorobenzene	11.84	112	16227	1.16	ug/l	# 79
51) m,p-Xylene	12.12	91	5563824	306.25	ug/l	80
52) o-Xylene	12.64	91	2962563	161.35	ug/l	97
56) Isopropylbenzene	13.11	105	628433	32.75	ug/l	97
59) n-Propyl benzene	13.63	91	1494382	56.09	ug/l	99
61) 1,3,5-Trimethylbenzene	13.88	105	2610489	160.10	ug/l	96
65) 1,2,4-Trimethylbenzene	14.34	105	5440982	330.38	ug/l	77
66) sec-Butylbenzene	14.52	105	228551	9.90	ug/l	93
67) p-Isopropyltoluene	14.71	119	220587	13.29	ug/l	96
70) n-Butylbenzene	15.19	91	904999	46.93	ug/l	74

V-71

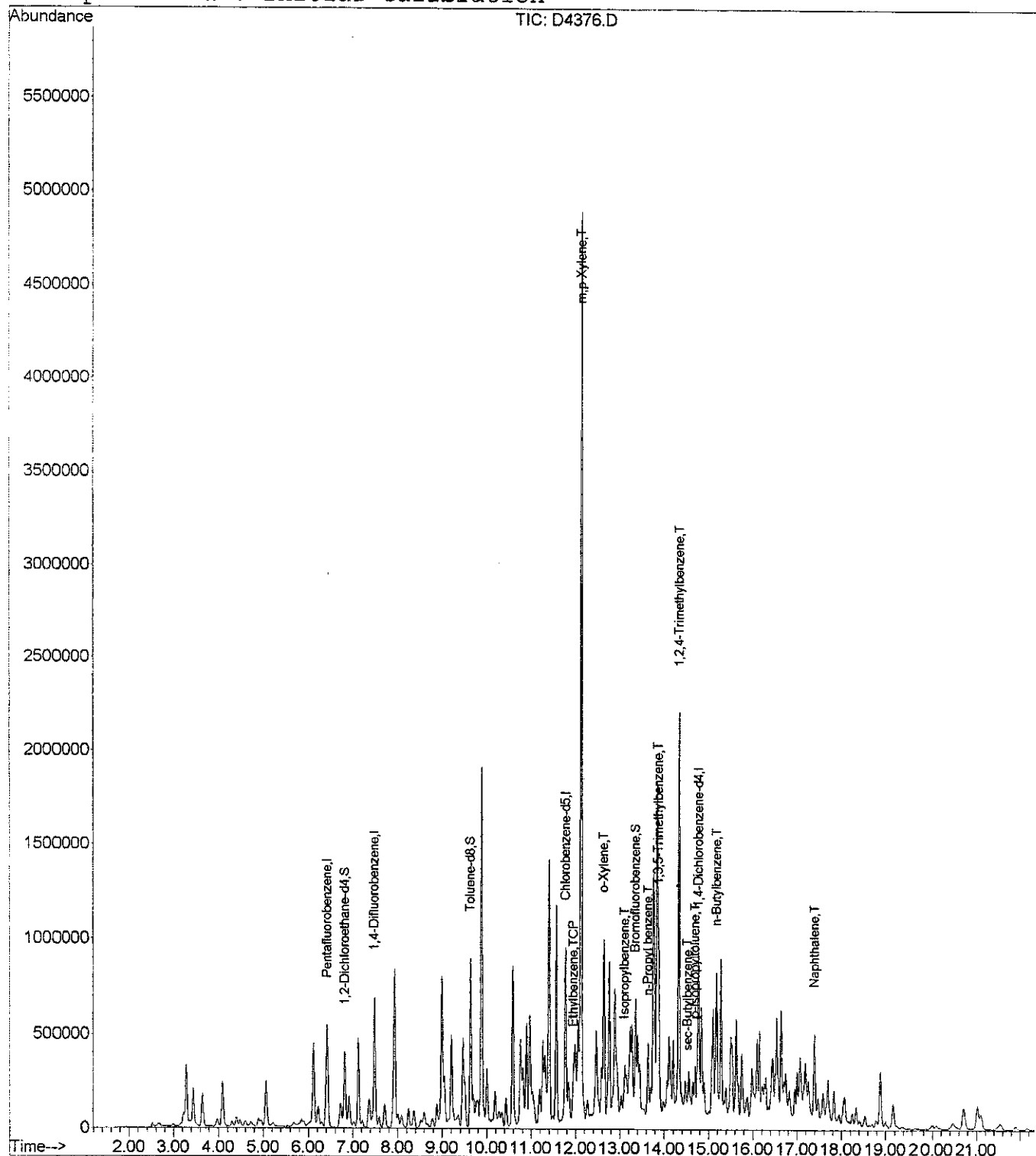
Quantitation Report

Data File : D:\D\DATA\AUG06\D0801\D4376.D
 Acq On : 1 Aug 2006 20:19
 Sample : 0607111DL
 Misc : SOIL 2903 05-DP4 SDL
 MS Integration Params: rteint.p
 Quant Time: Aug 2 10:47 2006

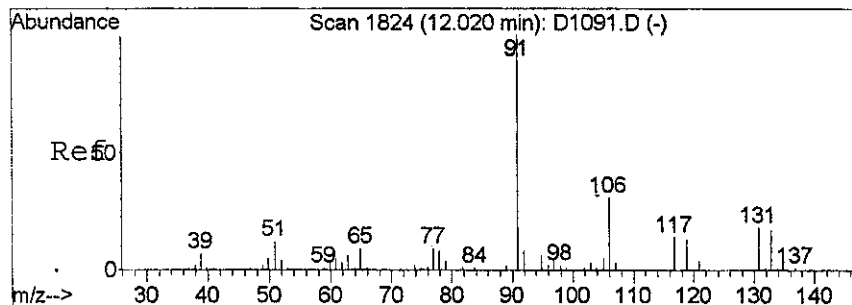
Vial: 3
 Operator:
 Inst : GC/MS Ins
 Multiplr: 1.00

Quant Results File: VD8S0718.R

Method : D:\D\METHODS\VD8S0718.M (RTE Integrator)
 Title : VOA 8260 METHOD
 Last Update : Tue Jul 18 13:28:21 2006
 Response via : Initial Calibration



V-72



#48

Ethylbenzene

Concen: 4.55 ug/l

RT: 11.94 min Scan# 1809

Delta R.T. 0.01 min

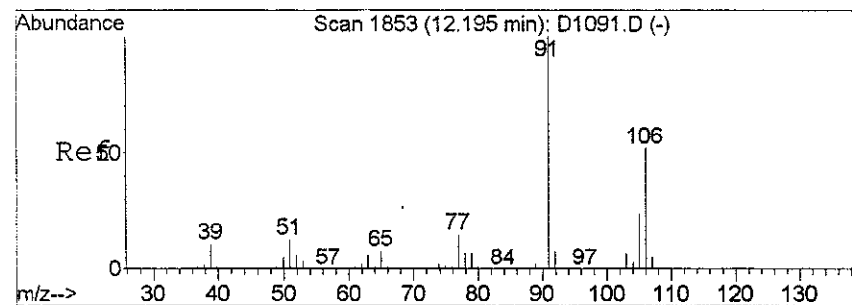
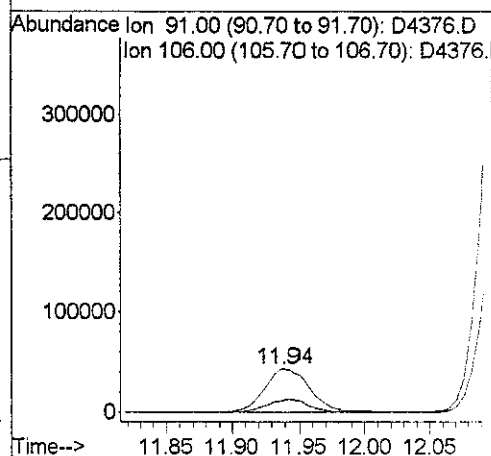
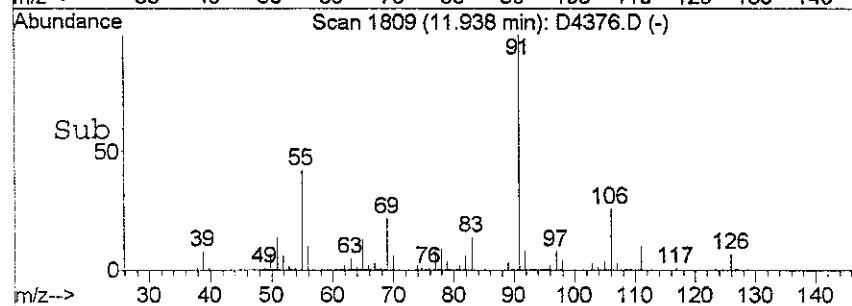
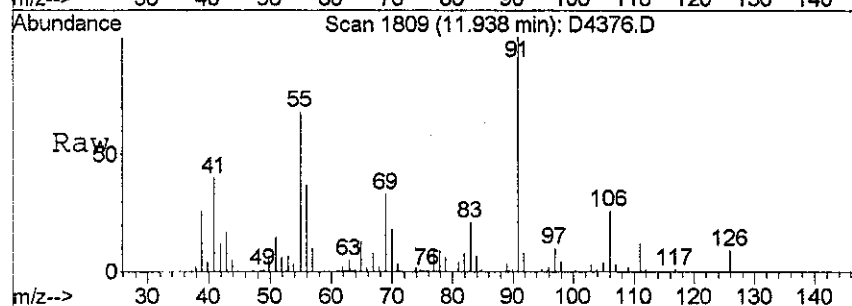
Lab File: D4376.D

Acq: 1 Aug 2006 20:19

Tgt Ion: 91 Resp: 103187

Ion	Ratio	Lower	Upper
91	100		

106	26.3	12.2	52.2



#51

m,p-Xylene

Concen: 85.76 ug/l

RT: 12.11 min Scan# 1838

Delta R.T. 0.01 min

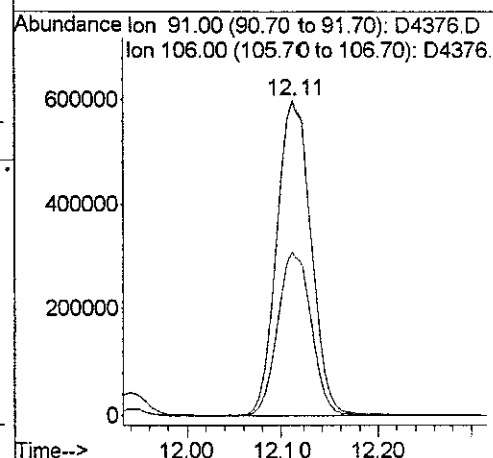
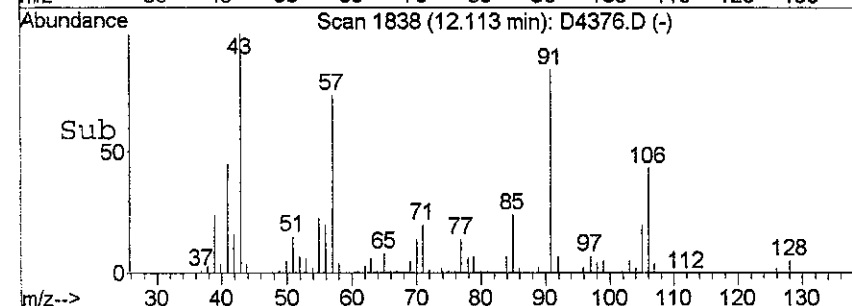
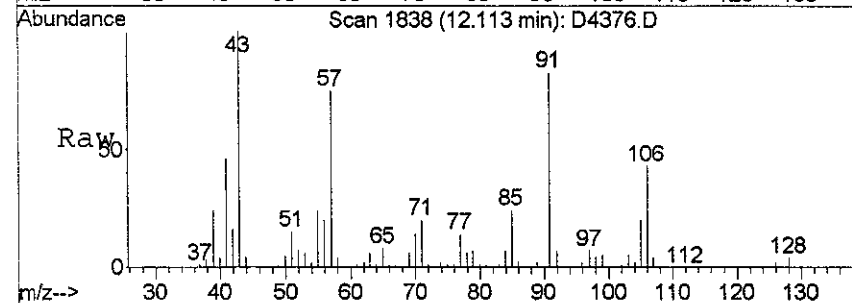
Lab File: D4376.D

Acq: 1 Aug 2006 20:19

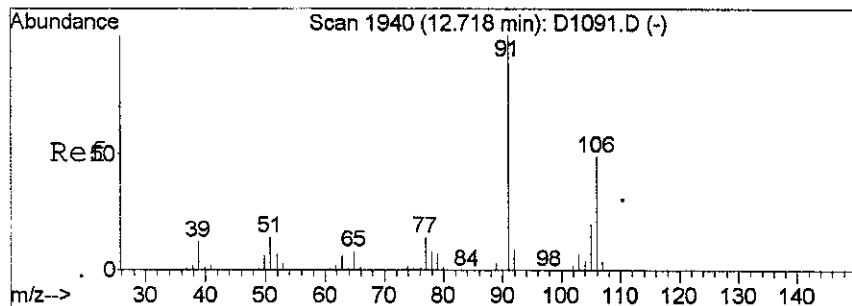
Tgt Ion: 91 Resp: 1395970

Ion	Ratio	Lower	Upper
91	100		

106	51.3	33.5	73.5

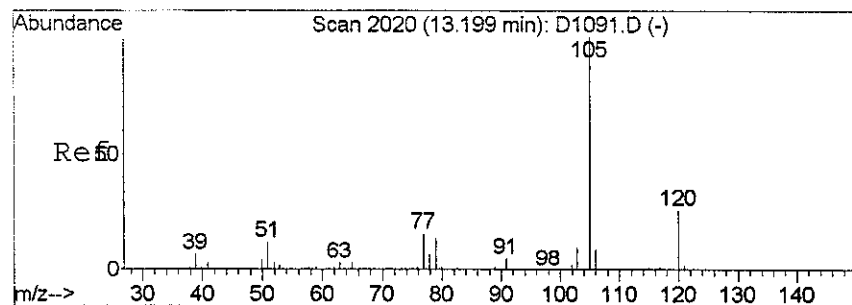
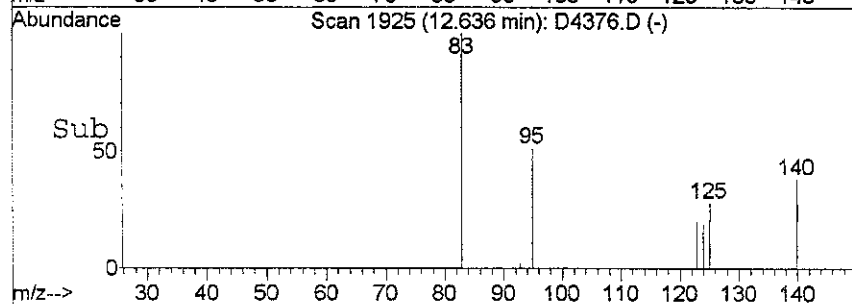
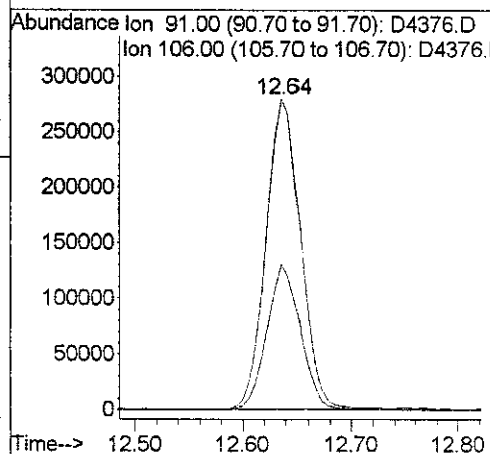
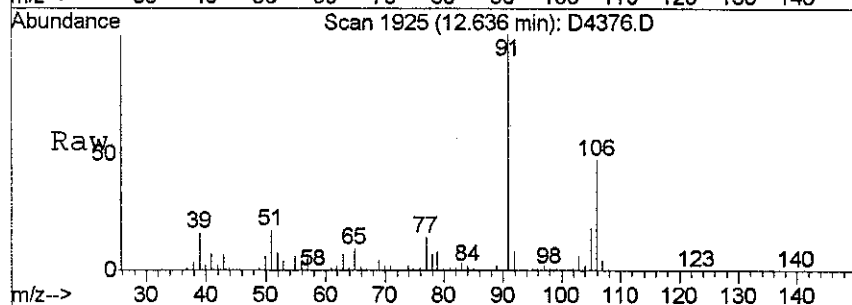


V-73



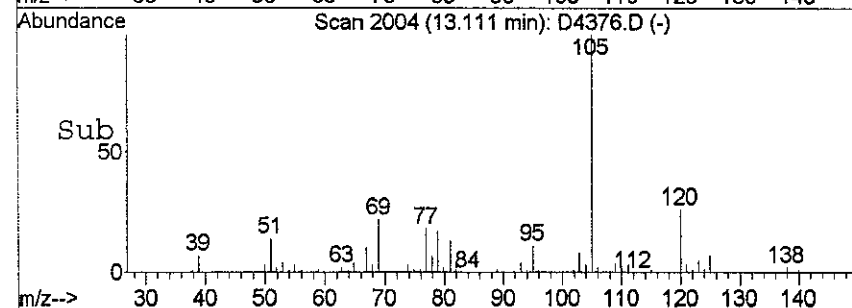
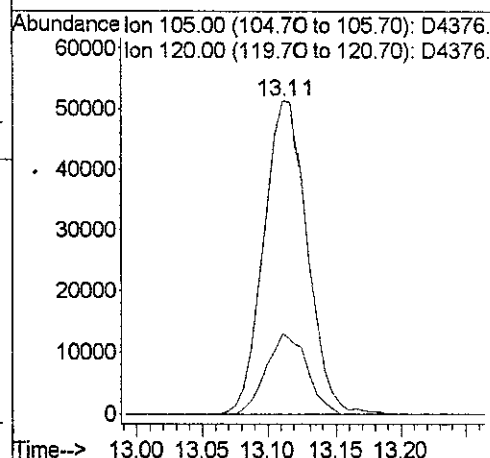
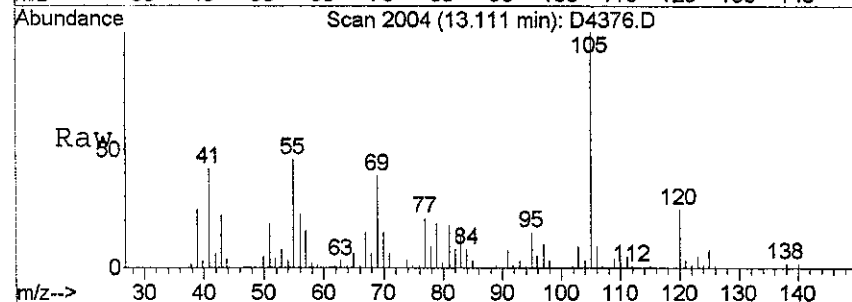
#52
o-Xylene
Concen: 37.16 ug/l
RT: 12.64 min Scan# 1925
Delta R.T. 0.01 min
Lab File: D4376.D
Acq: 1 Aug 2006 20:19

Tgt Ion: 91 Resp: 611391
Ion Ratio Lower Upper
91 100
106 46.6 30.7 70.7

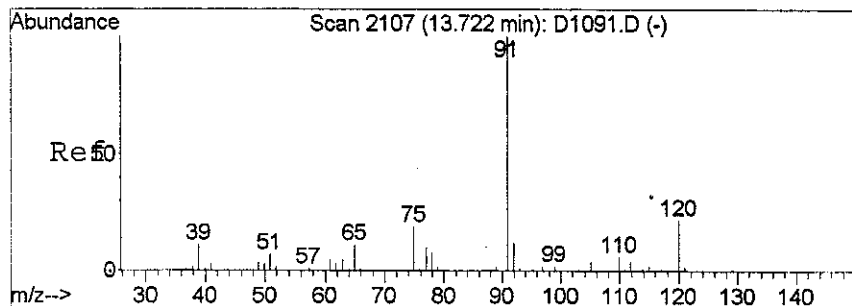


#56
Isopropylbenzene
Concen: 5.68 ug/l
RT: 13.11 min Scan# 2004
Delta R.T. 0.01 min
Lab File: D4376.D
Acq: 1 Aug 2006 20:19

Tgt Ion: 105 Resp: 112962
Ion Ratio Lower Upper
105 100
120 25.2 6.5 46.5

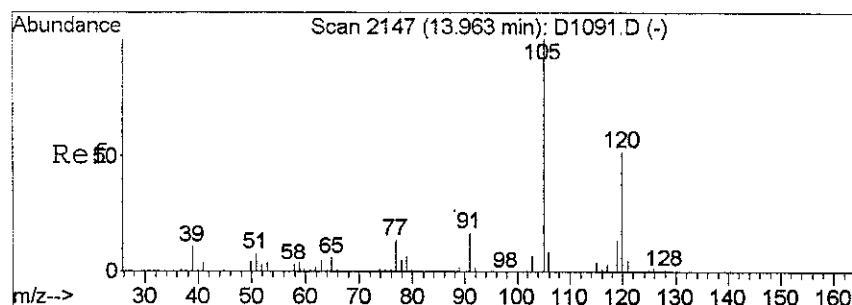
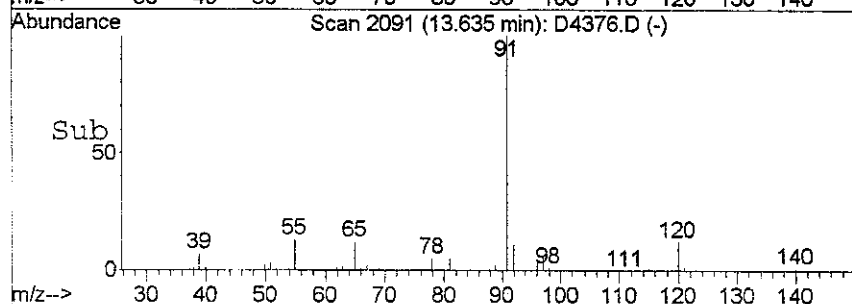
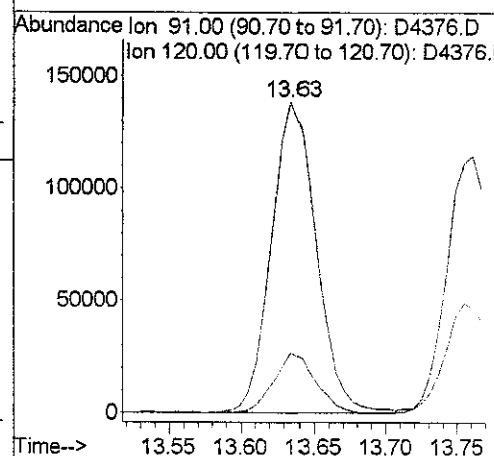
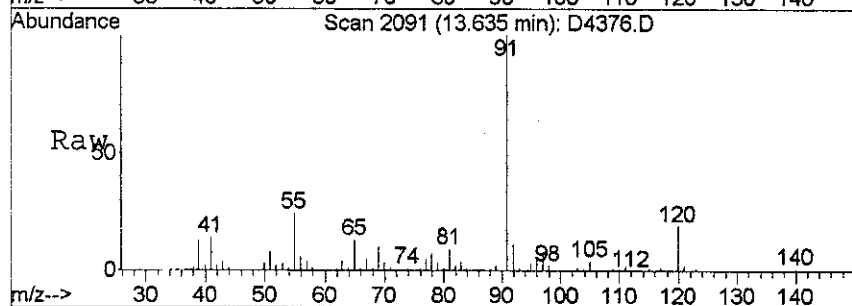


V-74



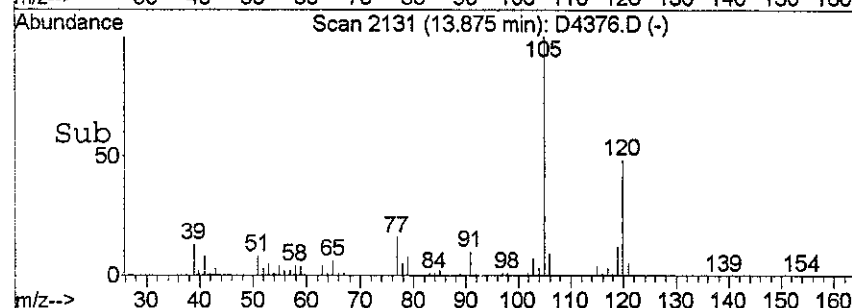
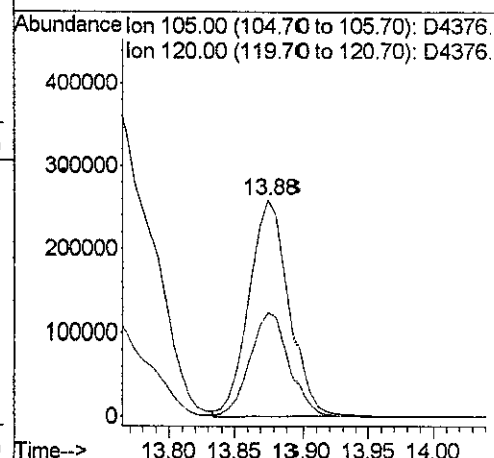
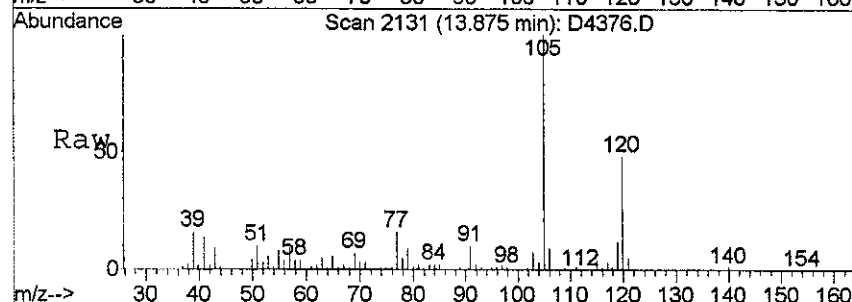
#59
n-Propyl benzene
Concen: 10.57 ug/l
RT: 13.63 min Scan# 2091
Delta R.T. 0.01 min
Lab File: D4376.D
Acq: 1 Aug 2006 20:19

Tgt Ion: 91 Resp: 291971
Ion Ratio Lower Upper
91 100
120 19.4 1.3 41.3

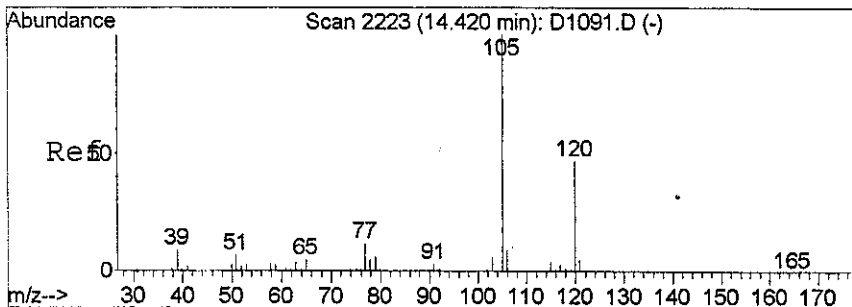


#61
1,3,5-Trimethylbenzene
Concen: 31.63 ug/l
RT: 13.88 min Scan# 2131
Delta R.T. 0.01 min
Lab File: D4376.D
Acq: 1 Aug 2006 20:19

Tgt Ion: 105 Resp: 534941
Ion Ratio Lower Upper
105 100
120 47.7 31.7 71.7

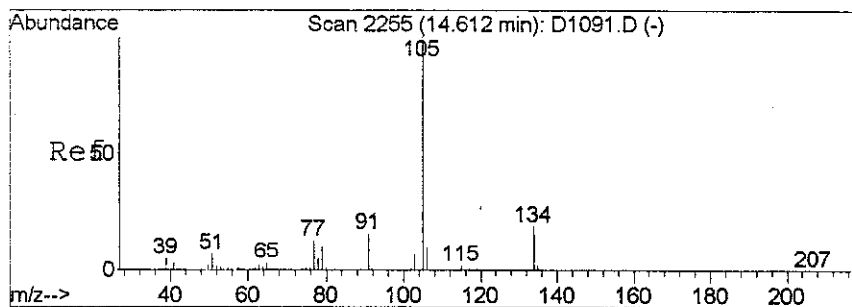
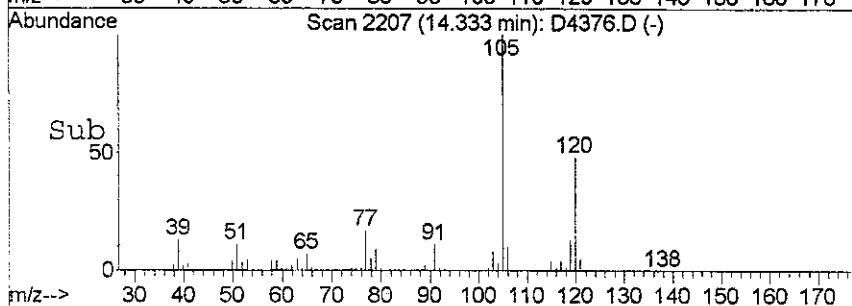
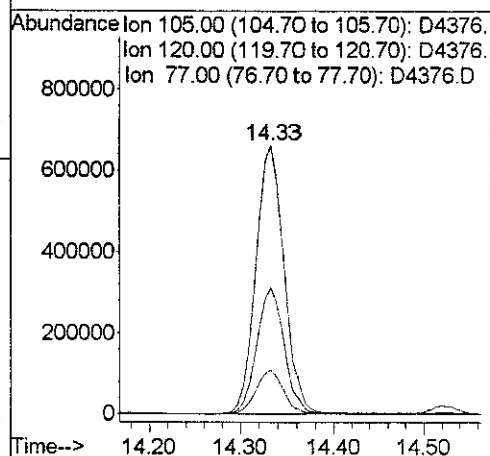
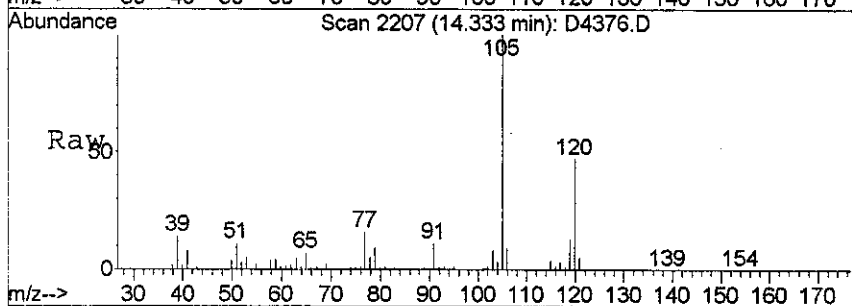


V-75



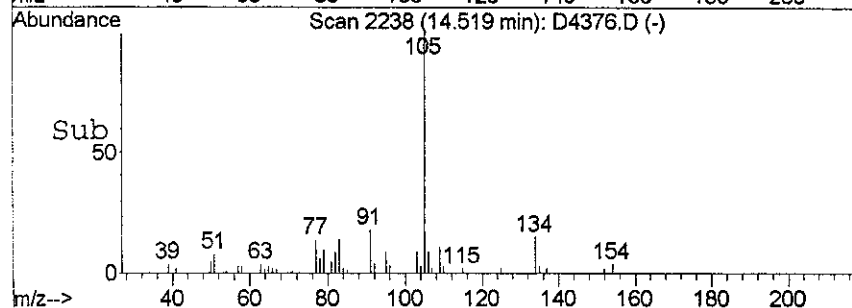
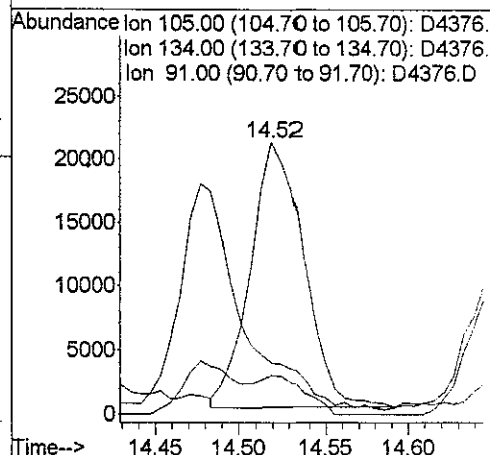
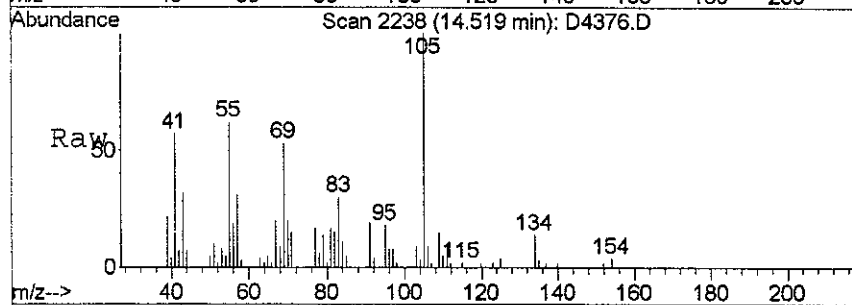
#65
1,2,4-Trimethylbenzene
Concen: 82.47 ug/l
RT: 14.33 min Scan# 2207
Delta R.T. 0.02 min
Lab File: D4376.D
Acq: 1 Aug 2006 20:19

Tgt Ion:105 Resp: 1408662
Ion Ratio Lower Upper
105 100
120 47.2 27.9 67.9
77 16.4 0.0 33.4

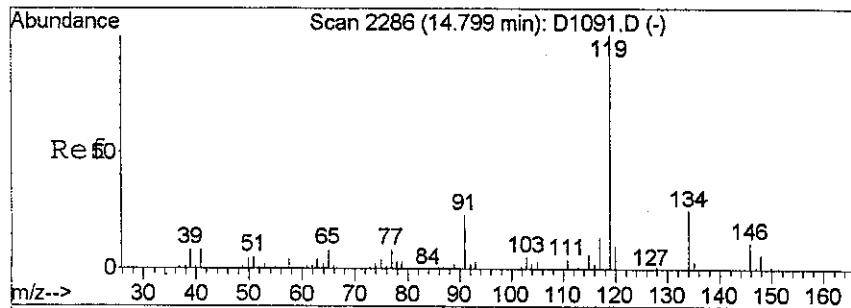


#66
sec-Butylbenzene
Concen: 1.84 ug/l
RT: 14.52 min Scan# 2238
Delta R.T. 0.01 min
Lab File: D4376.D
Acq: 1 Aug 2006 20:19

Tgt Ion:105 Resp: 44098
Ion Ratio Lower Upper
105 100
134 14.2 0.0 39.0
91 18.9 0.0 34.9



V-76



#67

p-Isopropyltoluene

Concen: 2.44 ug/l

RT: 14.71 min Scan# 2269

Delta R.T. 0.01 min

Lab File: D4376.D

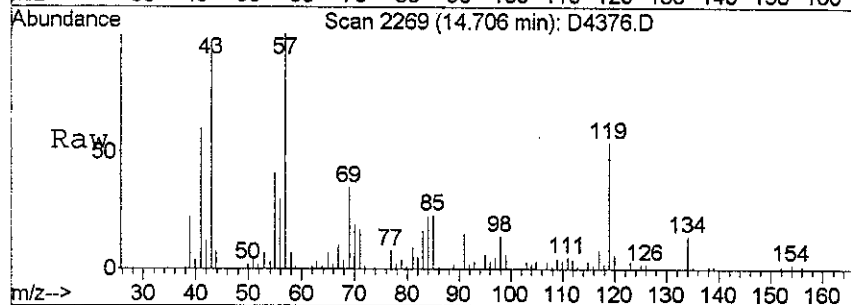
Acq: 1 Aug 2006 20:19

Tgt Ion: 119 Resp: 42090

Ion Ratio Lower Upper

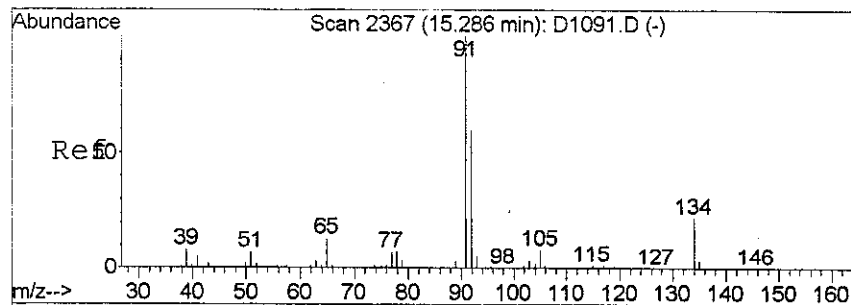
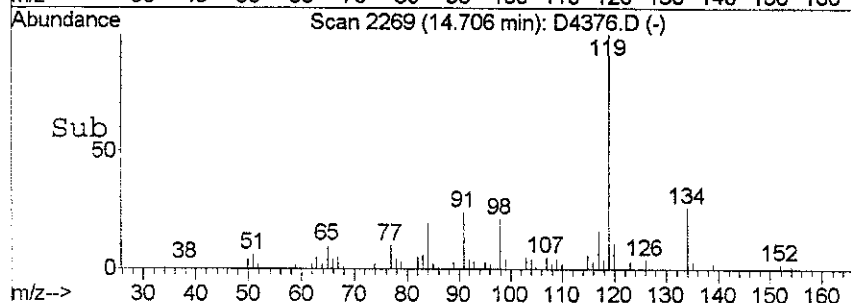
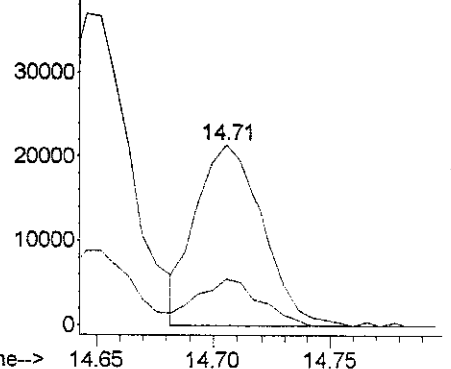
119 100

134 25.6 6.1 46.1



Abundance Ion 119.00 (118.70 to 119.70): D4376.D

Ion 134.00 (133.70 to 134.70): D4376.D



#70

n-Butylbenzene

Concen: 9.77 ug/l m

RT: 15.19 min Scan# 2349

Delta R.T. 0.00 min

Lab File: D4376.D

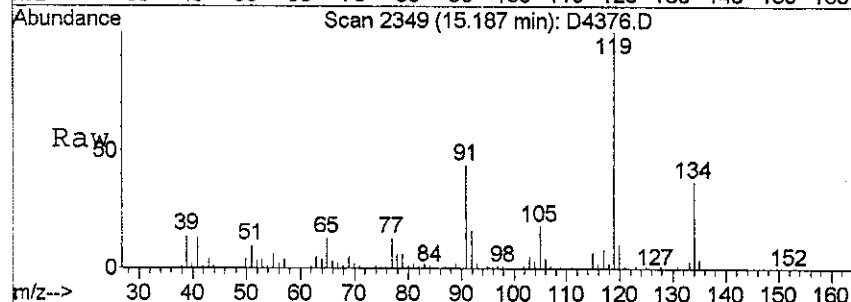
Acq: 1 Aug 2006 20:19

Tgt Ion: 91 Resp: 195424

Ion Ratio Lower Upper

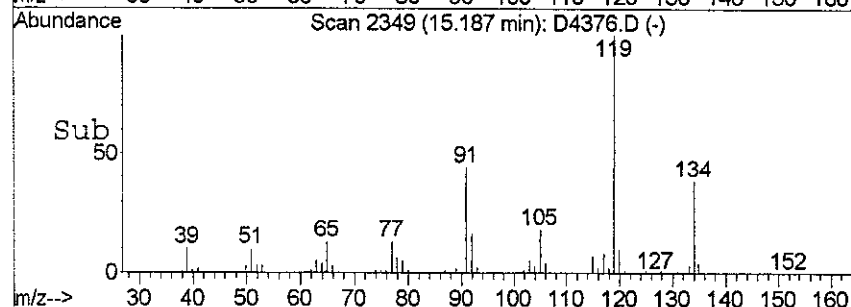
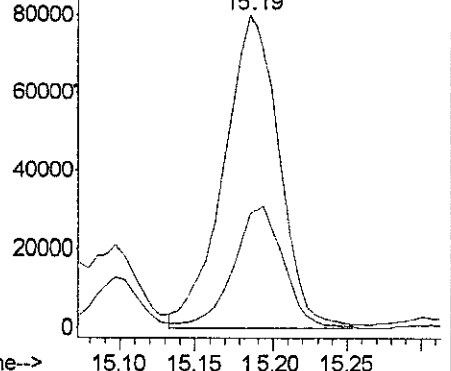
91 100

92 36.3 41.6 81.6#

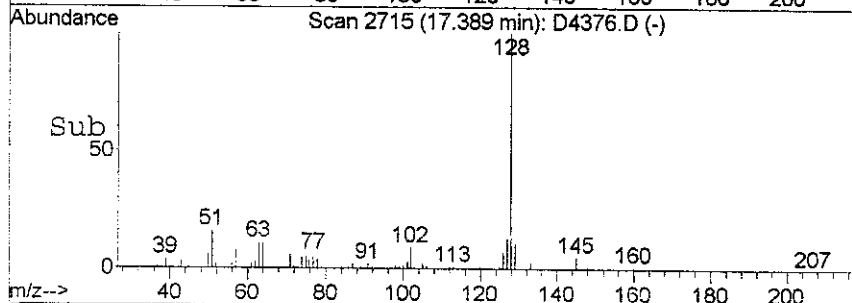
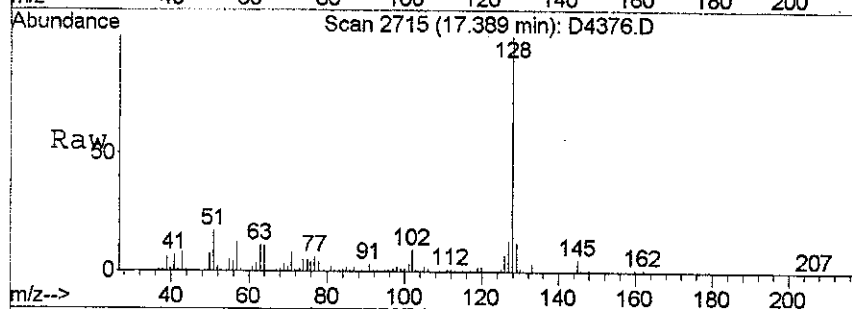
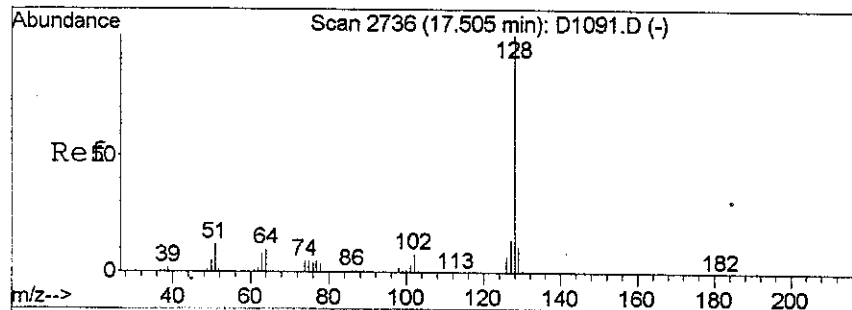


Abundance Ion 91.00 (90.70 to 91.70): D4376.D

Ion 92.00 (91.70 to 92.70): D4376.D

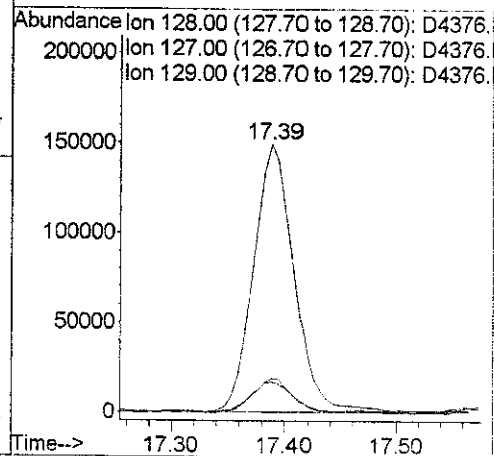


V.97



#75
Naphthalene
Concen: 25.32 ug/l
RT: 17.39 min Scan# 2715
Delta R.T. 0.02 min
Lab File: D4376.D
Acq: 1 Aug 2006 20:19

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	0.0	33.0
129	11.6	0.0	31.6



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Data File : D:\D\DATA\AUG06\D0801\D4376.D

Vial: 3

Acq On : 1 Aug 2006 20:19

Operator:

Sample : 0607111DL

Inst : GC/MS Ins

Misc : SOIL 2903 05-DP4 SDL

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Aug 2 10:47 2006

Quant Results File: VD8S0718.RES

Quant Method : D:\D\METHODS\VD8S0718.M (RTE Integrator)

Title : VOA 8260 METHOD

Last Update : Tue Jul 18 13:28:21 2006

Response via : Initial Calibration

DataAcq Meth : VD8S0718

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) Pentafluorobenzene	6.42	168	308720	50.00	ug/l	-0.18
24) 1,4-Difluorobenzene	7.48	114	665427	50.00	ug/l	-0.03
43) Chlorobenzene-d5	11.76	117	543651	50.00	ug/l	0.01
55) 1,4-Dichlorobenzene-d4	14.77	152	240661	50.00	ug/l	0.01

System Monitoring Compounds

25) 1,2-Dichloroethane-d4	6.81	65	260824	52.26	ug/l	-0.03
Spiked Amount	50.000	Range	70 - 121	Recovery	=	104.52%
36) Toluene-d8	9.63	98	751407	49.41	ug/l	0.01
Spiked Amount	50.000	Range	81 - 117	Recovery	=	98.82%
42) Bromofluorobenzene	13.35	95	308345	51.17	ug/l	0.02
Spiked Amount	50.000	Range	74 - 121	Recovery	=	102.34%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
48) Ethylbenzene	11.94	91	103187	4.55	ug/l	89
51) m,p-Xylene	12.11	91	1395970	85.76	ug/l	97
52) o-Xylene	12.64	91	611391	37.16	ug/l	94
56) Isopropylbenzene	13.11	105	112962	5.68	ug/l	97
59) n-Propyl benzene	13.63	91	291971	10.57	ug/l	96
61) 1,3,5-Trimethylbenzene	13.88	105	534941	31.63	ug/l	94
65) 1,2,4-Trimethylbenzene	14.33	105	1408662	82.47	ug/l	98
66) sec-Butylbenzene	14.52	105	44098	1.84	ug/l	90
67) p-Isopropyltoluene	14.71	119	42090	2.44	ug/l	99
70) n-Butylbenzene	15.19	91	195424m	9.77	ug/l	
75) Naphthalene	17.39	128	369463	25.32	ug/l	100

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

D4376.D VD8S0718.M

Mon Aug 07 16:45:25 2006

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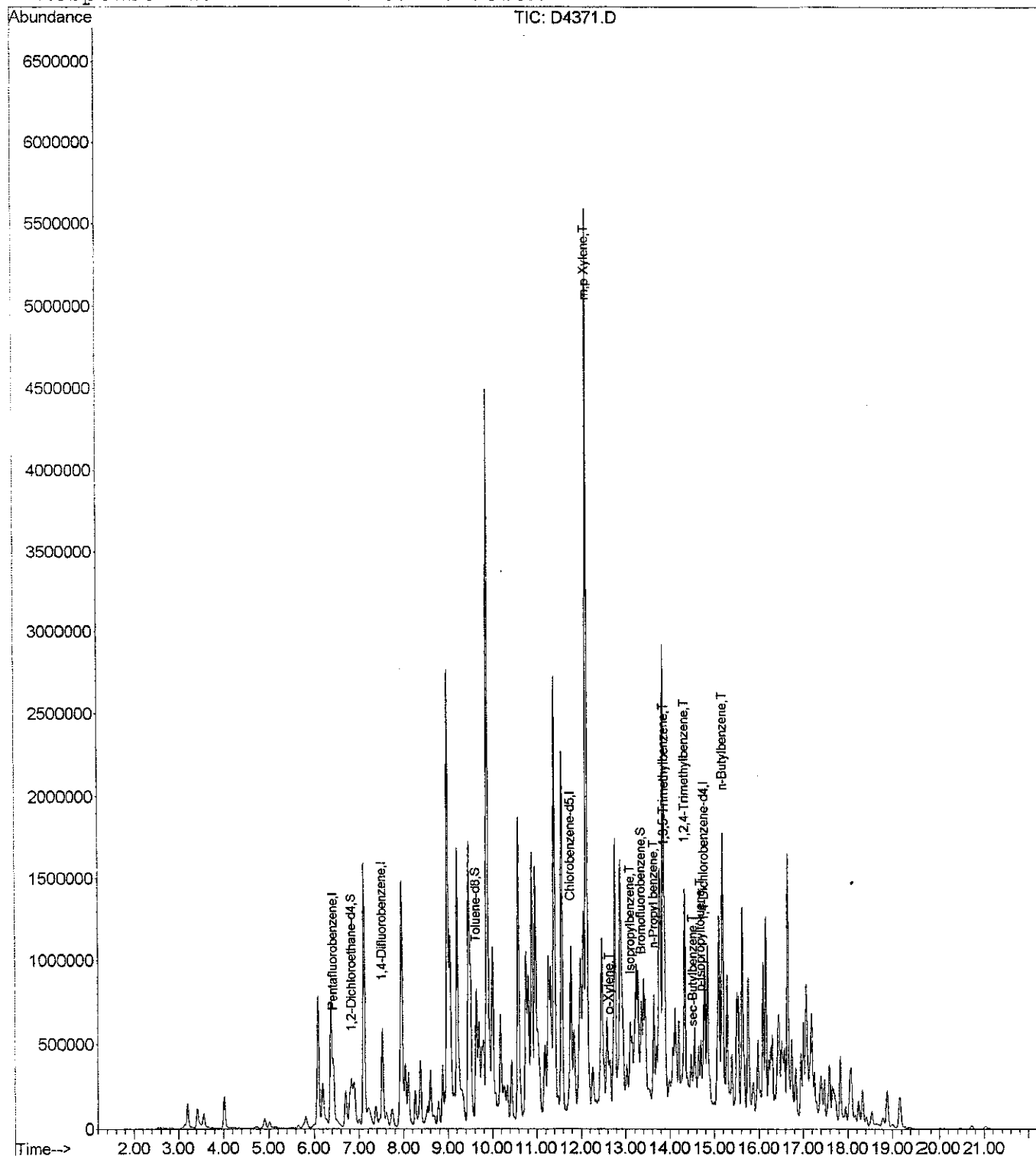
Quantitation Report

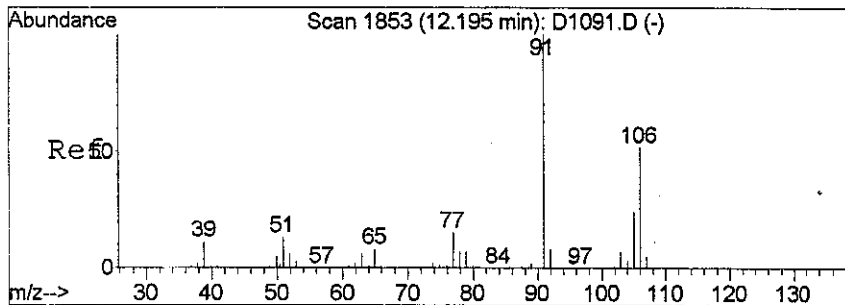
Data File : D:\D\DATA\AUG06\D0801\D4371.D
Acq On : 1 Aug 2006 17:27
Sample : 0607112
Misc : SOIL 2903 05-DP2 S
MS Integration Params: rteint.p
Quant Time: Aug 3 11:48 2006

Vial: 14
Operator:
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: VD8S0718.R

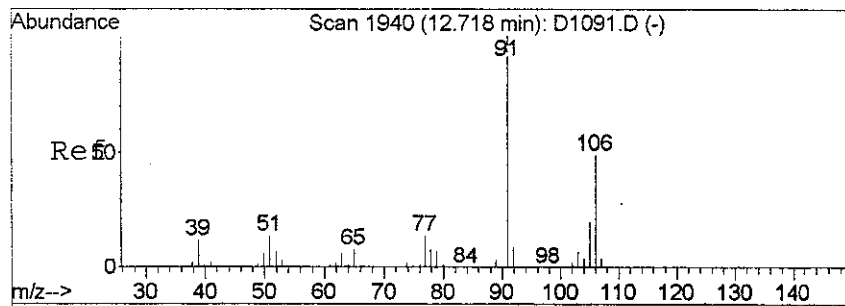
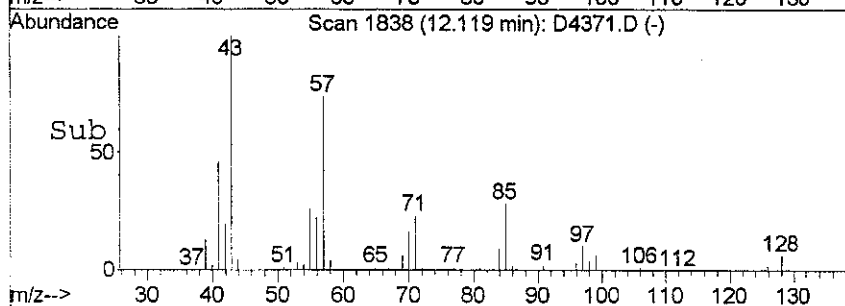
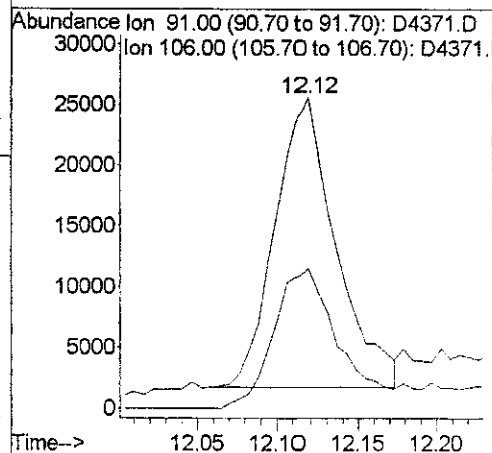
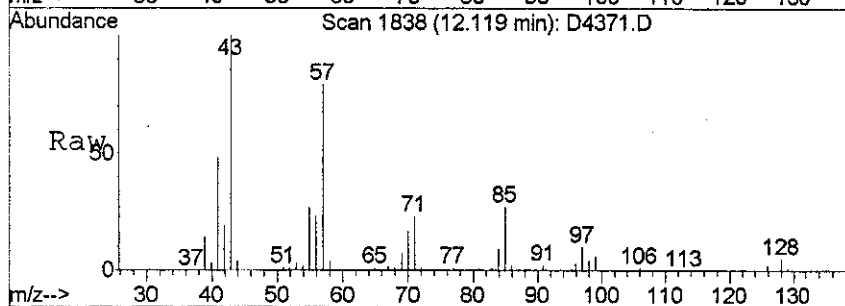
Method : D:\D\METHODS\VD8S0718.M (RTE Integrator)
Title : VOA 8260 METHOD
Last Update : Tue Jul 18 13:28:21 2006
Response via : Initial Calibration





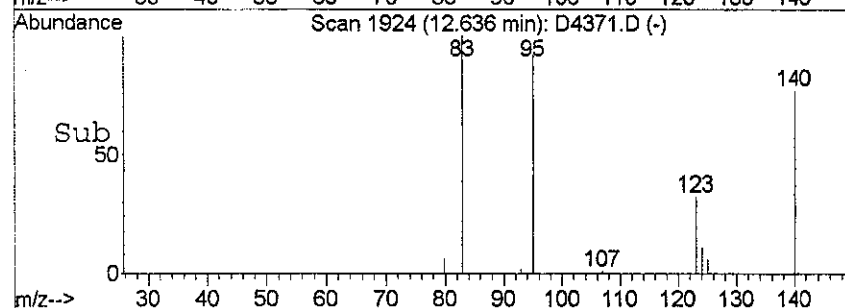
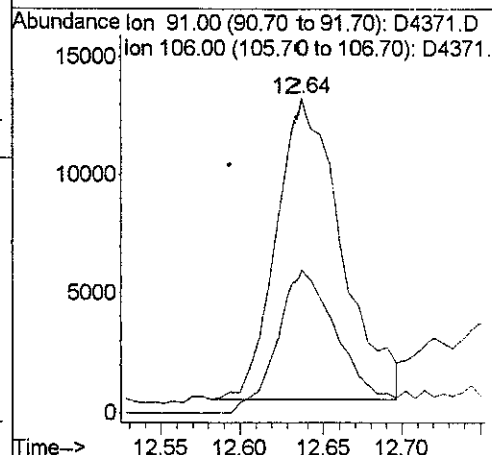
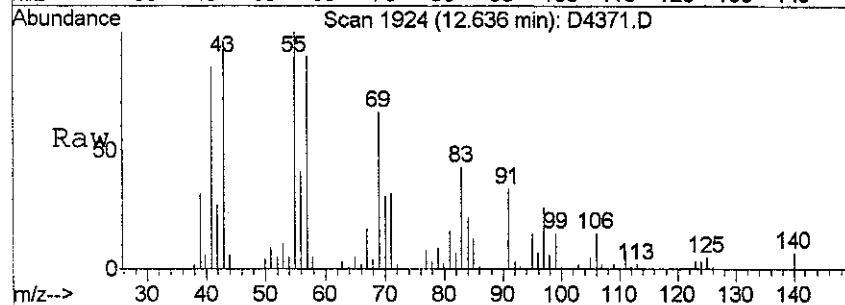
#51
m,p-Xylene
Concen: 3.68 ug/l
RT: 12.12 min Scan# 1838
Delta R.T. 0.02 min
Lab File: D4371.D
Acq: 1 Aug 2006 17:27

Tgt Ion: 91 Resp: 61778
Ion Ratio Lower Upper
91 100
106 44.9 33.5 73.5

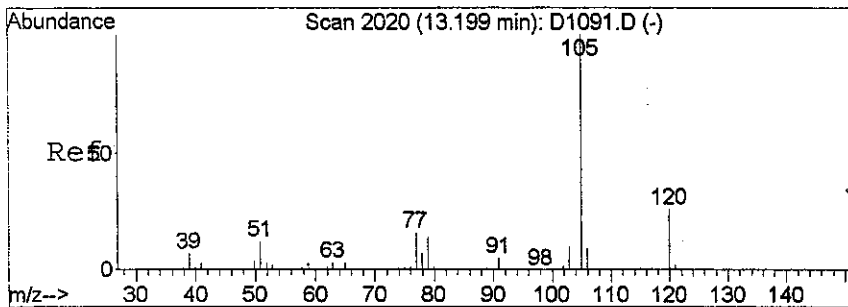


#52
o-Xylene
Concen: 2.03 ug/l
RT: 12.64 min Scan# 1924
Delta R.T. 0.01 min
Lab File: D4371.D
Acq: 1 Aug 2006 17:27

Tgt Ion: 91 Resp: 34491
Ion Ratio Lower Upper
91 100
106 45.2 30.7 70.7

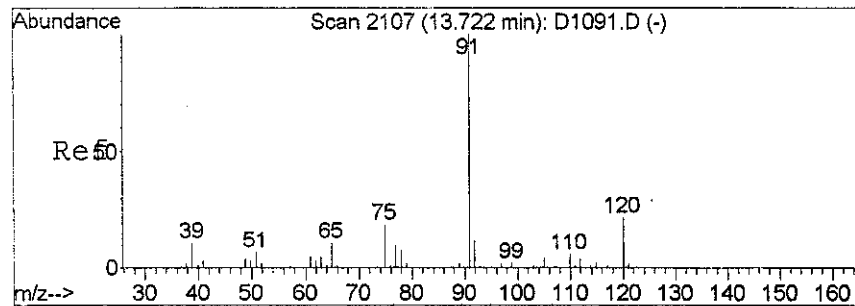
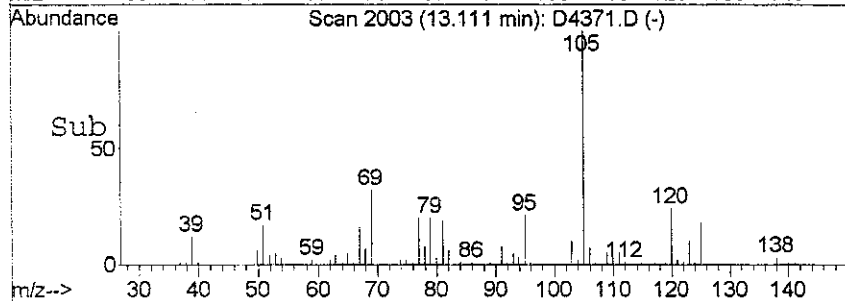
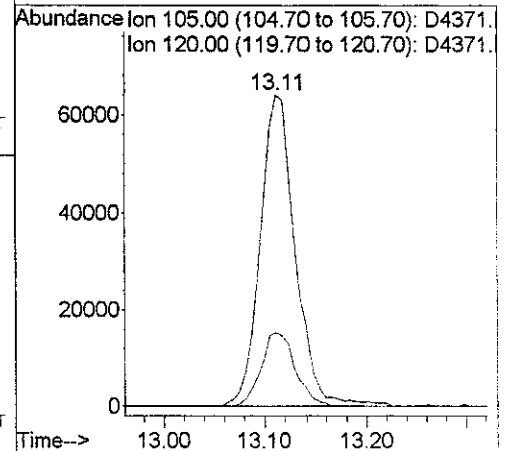
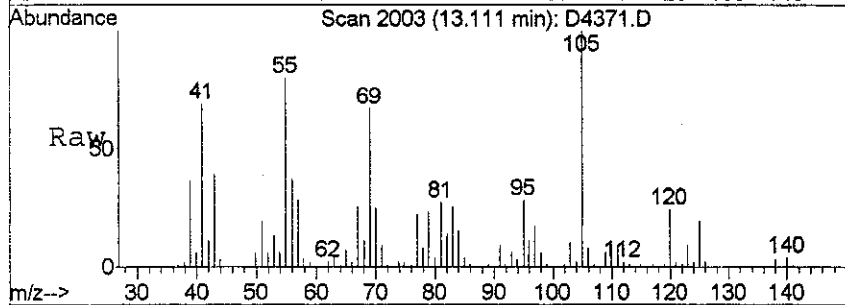


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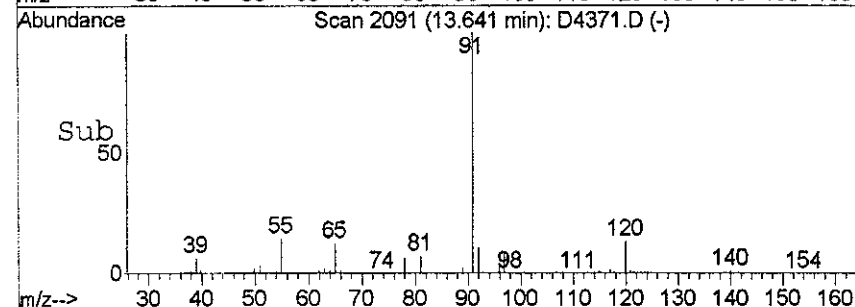
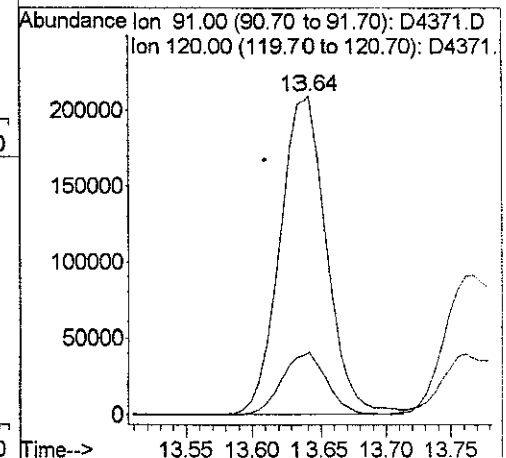
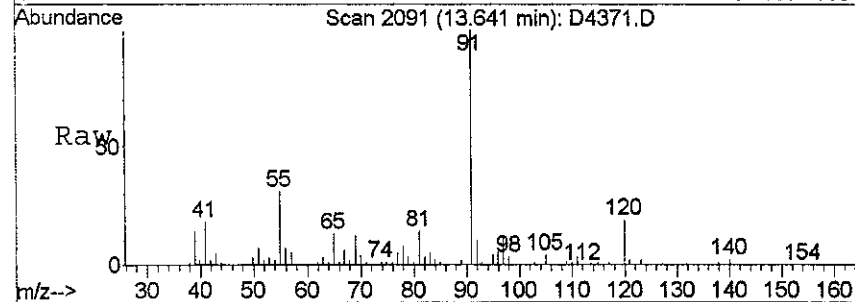
#56
Isopropylbenzene
Concen: 8.27 ug/l
RT: 13.11 min Scan# 2003
Delta R.T. 0.01 min
Lab File: D4371.D
Acq: 1 Aug 2006 17:27

Tgt Ion: 105 Resp: 153168
Ion Ratio Lower Upper
105 100
120 23.8 6.5 46.5

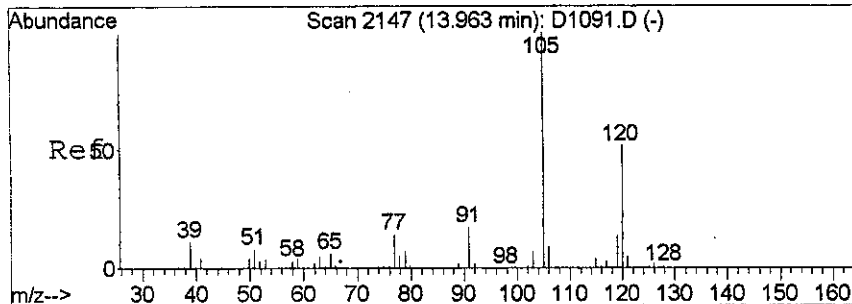


#59
n-Propyl benzene
Concen: 18.79 ug/l
RT: 13.64 min Scan# 2091
Delta R.T. 0.02 min
Lab File: D4371.D
Acq: 1 Aug 2006 17:27

Tgt Ion: 91 Resp: 482794
Ion Ratio Lower Upper
91 100
120 19.3 1.3 41.3

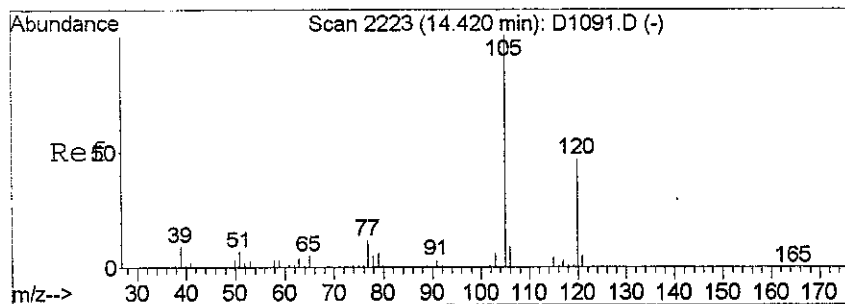
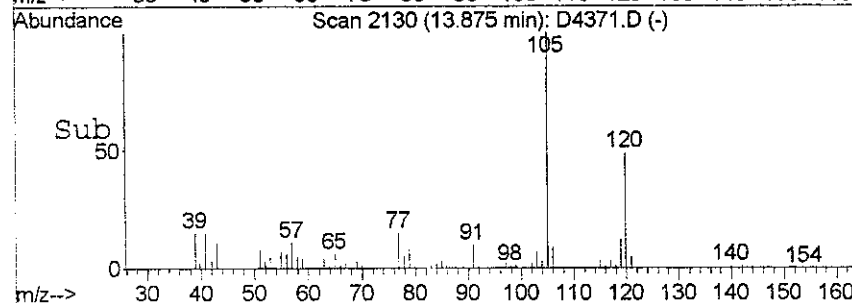
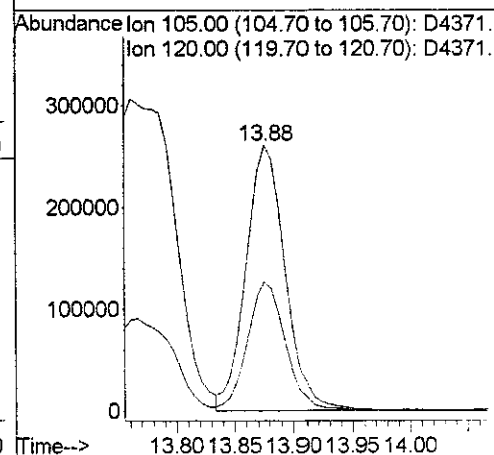
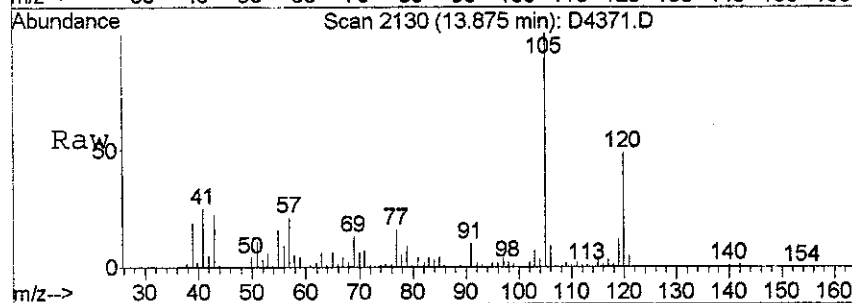


V-82



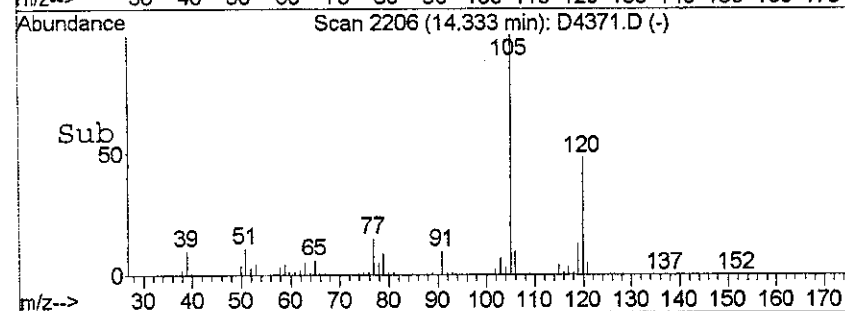
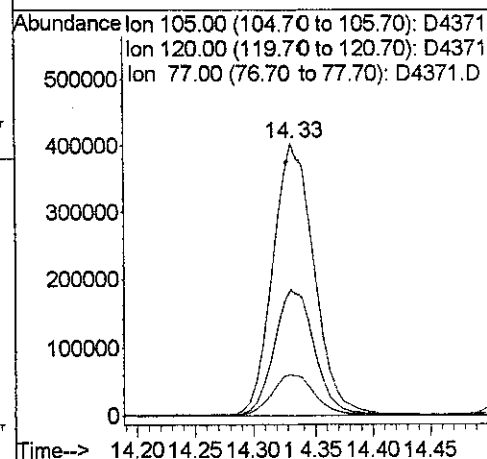
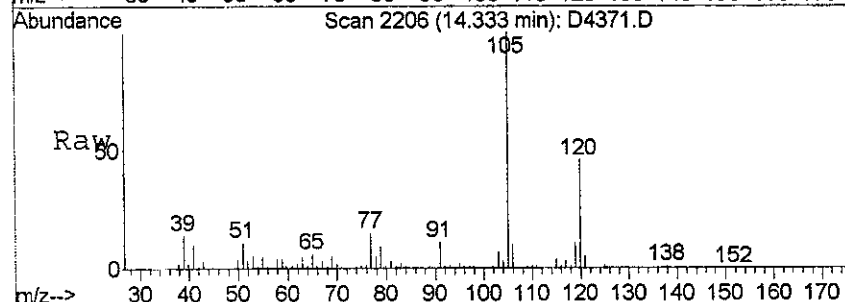
#61
 1,3,5-Trimethylbenzene
 Concen: 38.56 ug/l
 RT: 13.88 min Scan# 2130
 Delta R.T. 0.01 min
 Lab File: D4371.D
 Acq: 1 Aug 2006 17:27

Tgt Ion:105 Resp: 606454
 Ion Ratio Lower Upper
 105 100
 120 48.6 31.7 71.7

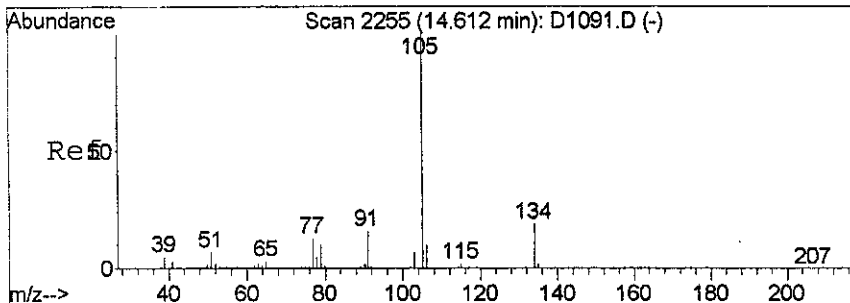


#65
 1,2,4-Trimethylbenzene
 Concen: 57.76 ug/l
 RT: 14.33 min Scan# 2206
 Delta R.T. 0.02 min
 Lab File: D4371.D
 Acq: 1 Aug 2006 17:27

Tgt Ion:105 Resp: 917509
 Ion Ratio Lower Upper
 105 100
 120 45.6 27.9 67.9
 77 15.2 0.0 33.4

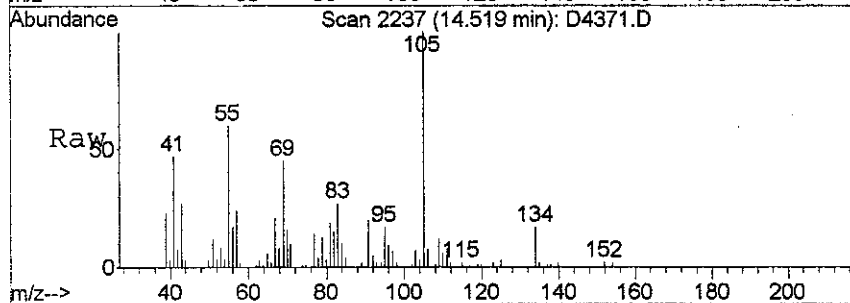


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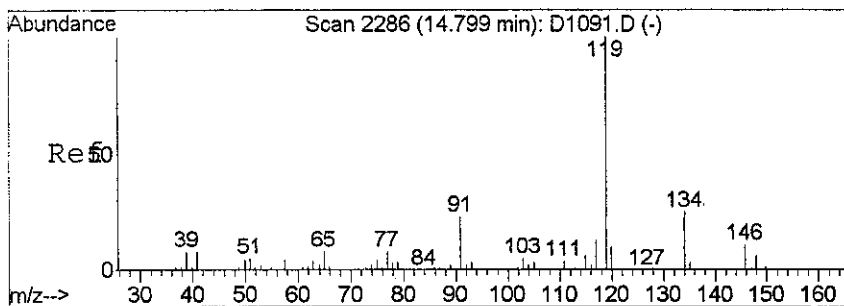
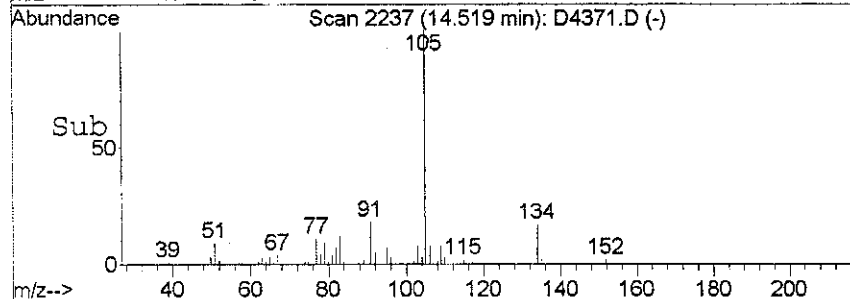
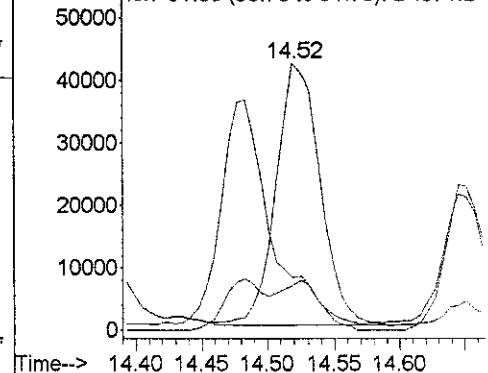


#66
 sec-Butylbenzene
 Concen: 4.28 ug/l
 RT: 14.52 min Scan# 2237
 Delta R.T. 0.01 min
 Lab File: D4371.D
 Acq: 1 Aug 2006 17:27

Tgt Ion:105 Resp: 95422
 Ion Ratio Lower Upper
 105 100
 134 16.7 0.0 39.0
 91 19.9 0.0 34.9

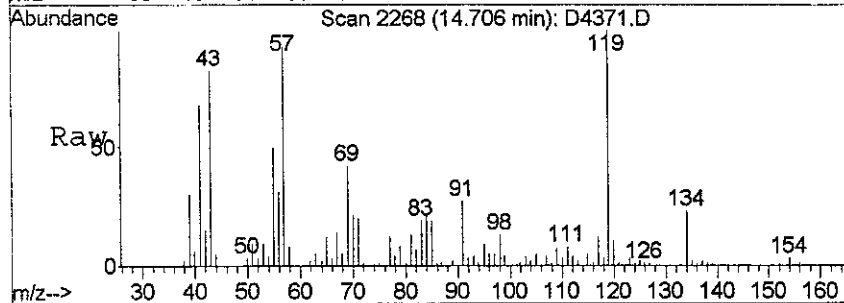


Abundance Ion 105.00 (104.70 to 105.70): D4371.D
 Ion 134.00 (133.70 to 134.70): D4371.D
 Ion 91.00 (90.70 to 91.70): D4371.D

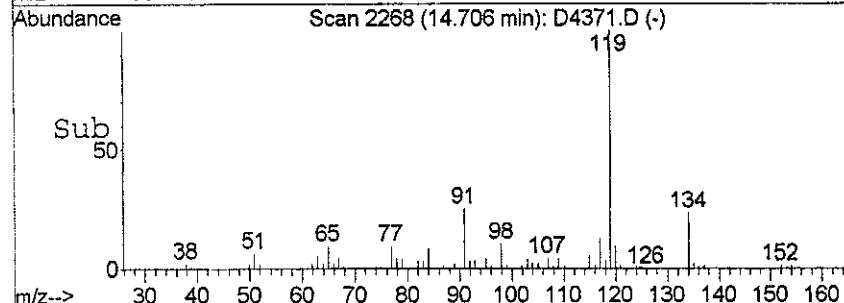
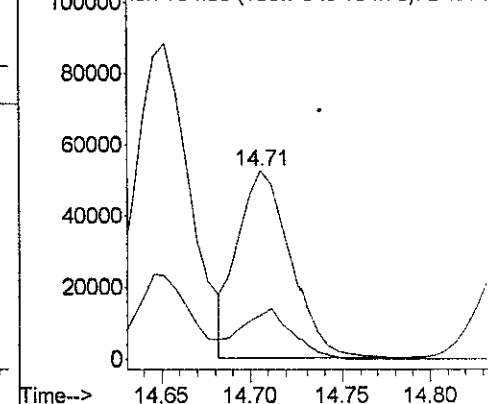


#67
 p-Isopropyltoluene
 Concen: 6.65 ug/l
 RT: 14.71 min Scan# 2268
 Delta R.T. 0.01 min
 Lab File: D4371.D
 Acq: 1 Aug 2006 17:27

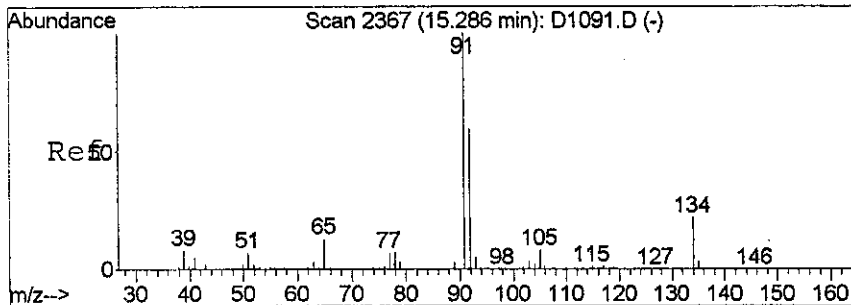
Tgt Ion:119 Resp: 106408
 Ion Ratio Lower Upper
 119 100
 134 23.1 6.1 46.1



Abundance Ion 119.00 (118.70 to 119.70): D4371.D
 Ion 134.00 (133.70 to 134.70): D4371.D



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#70

n-Butylbenzene

Concen: 22.78 ug/l m

RT: 15.19 min Scan# 2349

Delta R.T. 0.01 min

Lab File: D4371.D

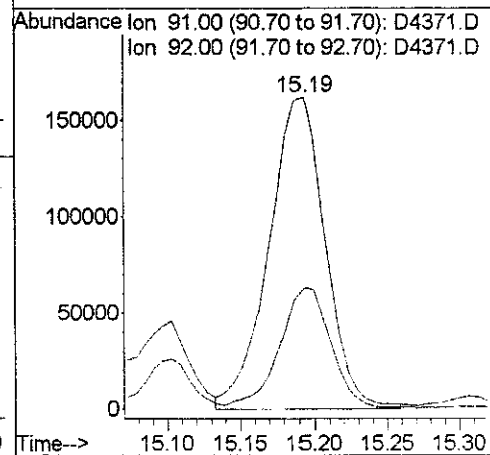
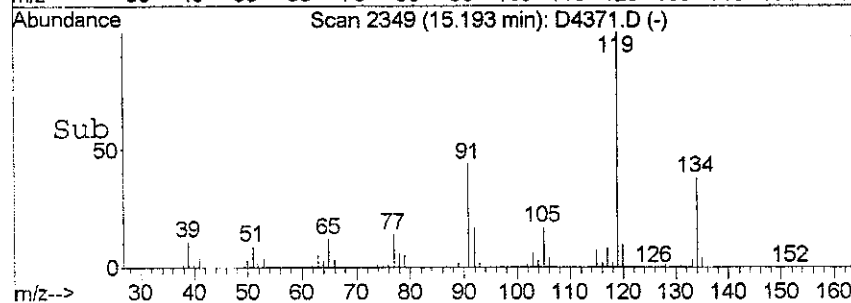
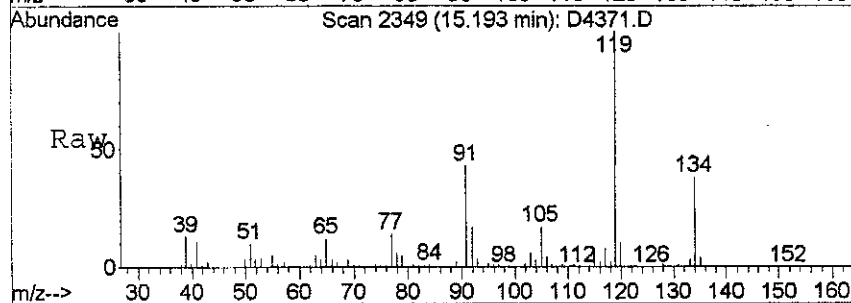
Acq: 1 Aug 2006 17:27

Tgt Ion: 91 Resp: 423811

Ion Ratio Lower Upper

91 100

92 38.8 41.6 81.6#



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Data File : D:\D\DATA\AUG06\D0801\D4371.D

Vial: 14

Acq On : 1 Aug 2006 17:27

Operator:

Sample : 0607112

Inst : GC/MS Ins

Misc : SOIL 2903 05-DP2 S

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Aug 3 11:48 2006

Quant Results File: VD8S0718.RES

Quant Method : D:\D\METHODS\VD8S0718.M (RTE Integrator)

Title : VOA 8260 METHOD

Last Update : Tue Jul 18 13:28:21 2006

Response via : Initial Calibration

DataAcq Meth : VD8S0718

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.43	168	297342	50.00	ug/l	-0.17
24) 1,4-Difluorobenzene	7.52	114	628317	50.00	ug/l	0.02
43) Chlorobenzene-d5	11.77	117	560131	50.00	ug/l	0.02
55) 1,4-Dichlorobenzene-d4	14.78	152	223807	50.00	ug/l	0.02

System Monitoring Compounds

25) 1,2-Dichloroethane-d4	6.84	65	260796	55.35	ug/l	0.00
Spiked Amount	50.000	Range	70 - 121	Recovery	=	110.70%
36) Toluene-d8	9.63	98	758100	52.79	ug/l	0.01
Spiked Amount	50.000	Range	81 - 117	Recovery	=	105.58%
42) Bromofluorobenzene	13.35	95	329338	57.88	ug/l	0.02
Spiked Amount	50.000	Range	74 - 121	Recovery	=	115.76%

Target Compounds

						Qvalue
51) m,p-Xylene	12.12	91	61778	3.68	ug/l	88
52) o-Xylene	12.64	91	34491	2.03	ug/l	92
56) Isopropylbenzene	13.11	105	153168	8.27	ug/l	95
59) n-Propyl benzene	13.64	91	482794	18.79	ug/l	96
61) 1,3,5-Trimethylbenzene	13.88	105	606454	38.56	ug/l	96
65) 1,2,4-Trimethylbenzene	14.33	105	917509	57.76	ug/l	96
66) sec-Butylbenzene	14.52	105	95422	4.28	ug/l	92
67) p-Isopropyltoluene	14.71	119	106408	6.65	ug/l	94
70) n-Butylbenzene	15.19	91	423811m	22.78	ug/l	

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

D4371.D VD8S0718.M

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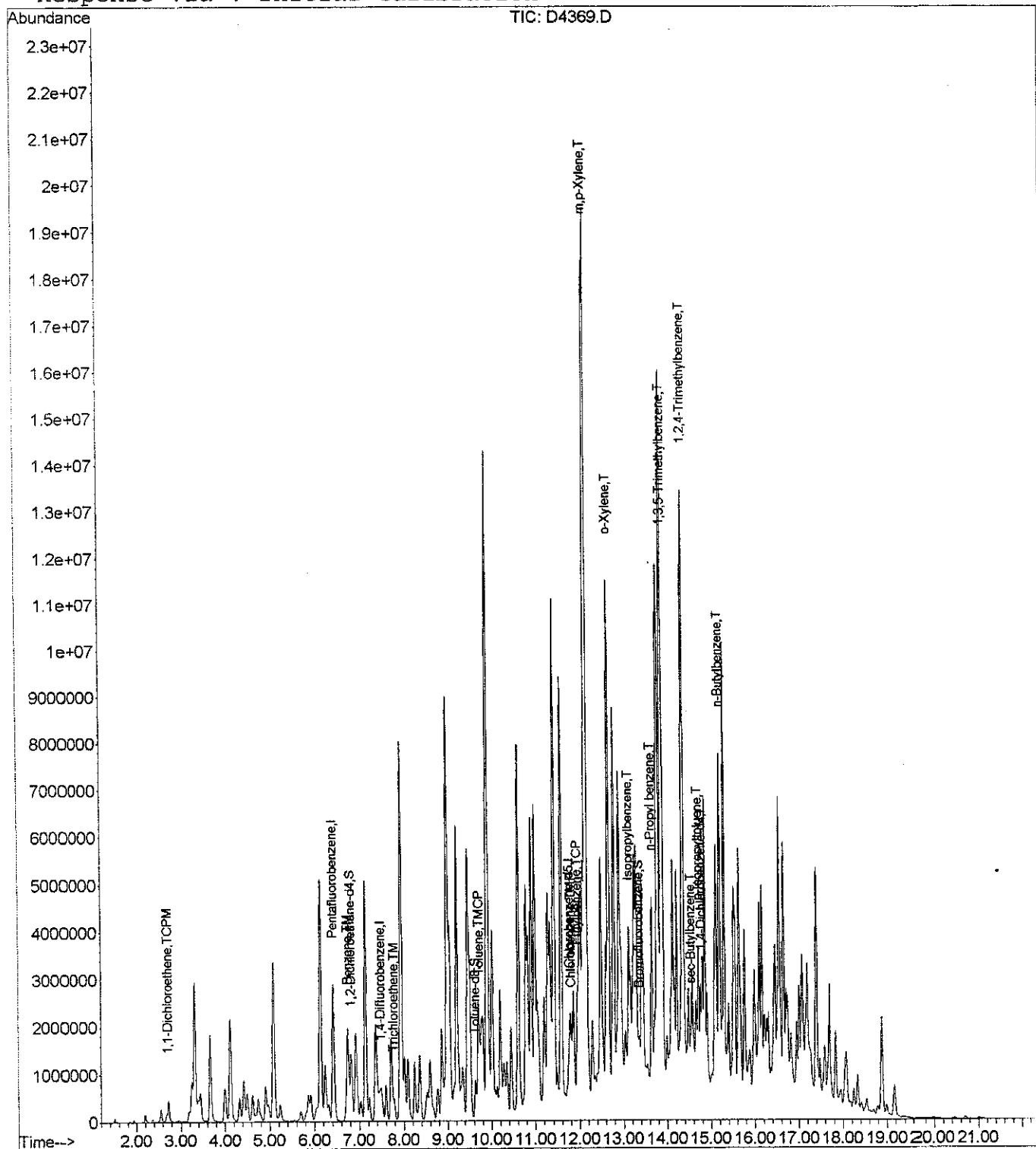
Quantitation Report

Data File : D:\D\DATA\AUG06\D0801\D4369.D
 Acq On : 1 Aug 2006 16:17
 Sample : 0607113MS
 Misc : SOIL 2903 MS S
 MS Integration Params: rteint.p
 Quant Time: Aug 7 16:56 2006

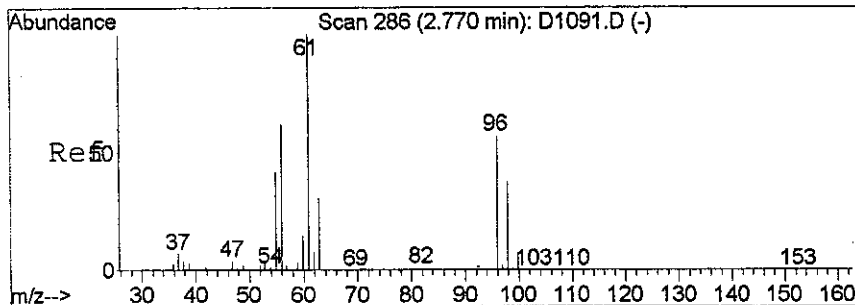
Vial: 12
 Operator:
 Inst : GC/MS Ins
 Multiplr: 1.00

Quant Results File: VD8S0718.R

Method : D:\D\METHODS\VD8S0718.M (RTE Integrator)
 Title : VOA 8260 METHOD
 Last Update : Tue Jul 18 13:28:21 2006
 Response via : Initial Calibration

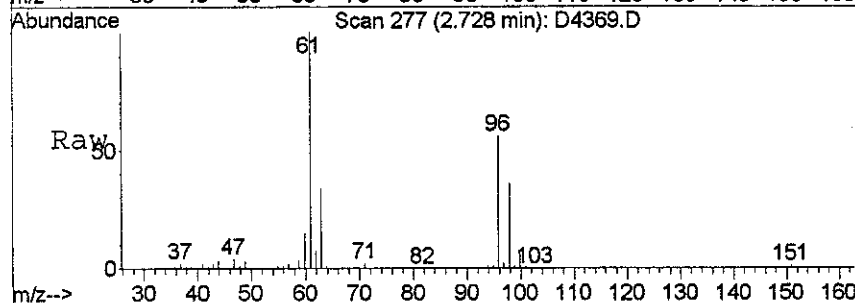


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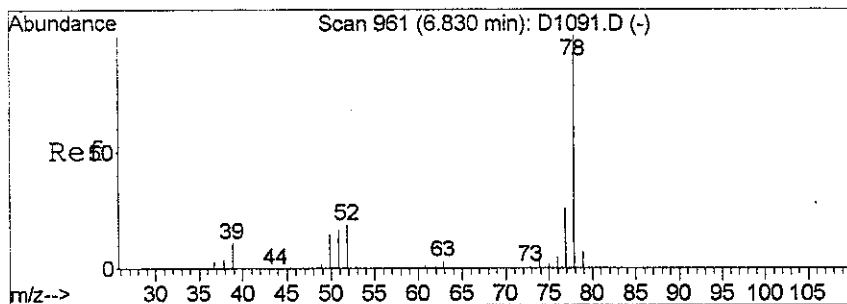
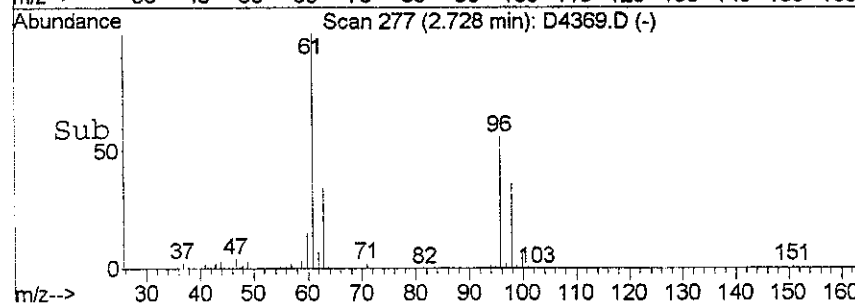
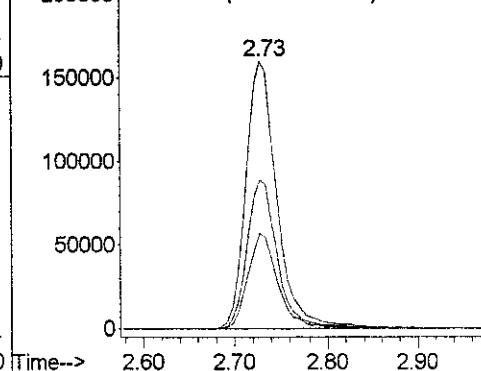


#11
 1,1-Dichloroethene
 Concen: 58.13 ug/l
 RT: 2.73 min Scan# 277
 Delta R.T. -0.11 min
 Lab File: D4369.D
 Acq: 1 Aug 2006 16:17

Tgt Ion: 61 Resp: 376576
 Ion Ratio Lower Upper
 61 100
 96 55.6 40.9 80.9
 98 35.8 19.6 59.6

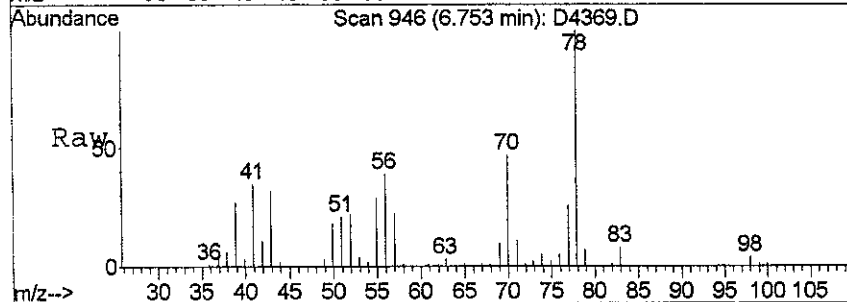


Abundance Ion 61.00 (60.70 to 61.70): D4369.D
 Ion 96.00 (95.70 to 96.70): D4369.D
 Ion 98.00 (97.70 to 98.70): D4369.D

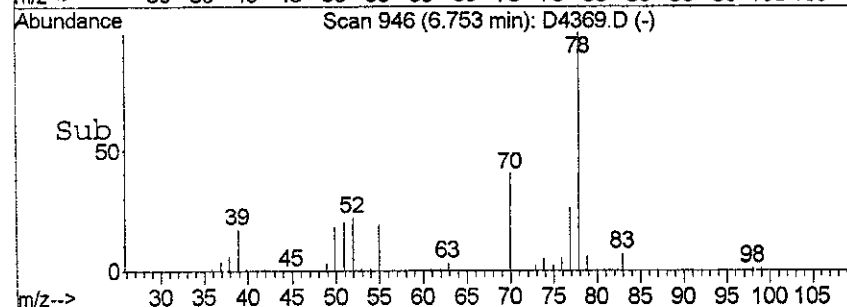
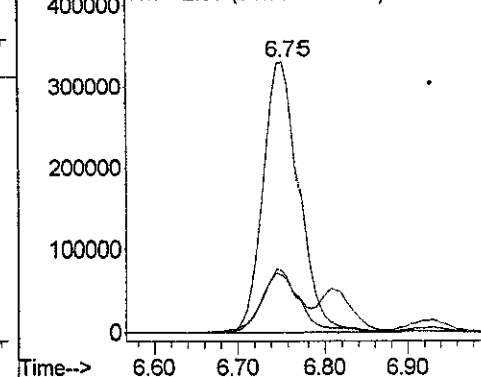


#29
 Benzene
 Concen: 48.04 ug/l
 RT: 6.75 min Scan# 946
 Delta R.T. -0.01 min
 Lab File: D4369.D
 Acq: 1 Aug 2006 16:17

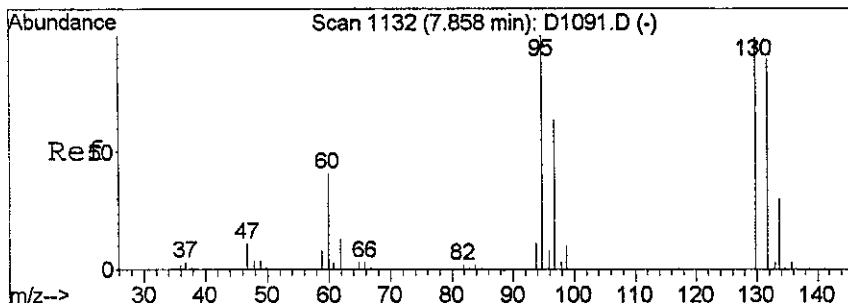
Tgt Ion: 78 Resp: 940100
 Ion Ratio Lower Upper
 78 100
 51 20.8 0.0 36.6
 52 22.5 0.0 39.4



Abundance Ion 78.00 (77.70 to 78.70): D4369.D
 Ion 51.00 (50.70 to 51.70): D4369.D
 Ion 52.00 (51.70 to 52.70): D4369.D

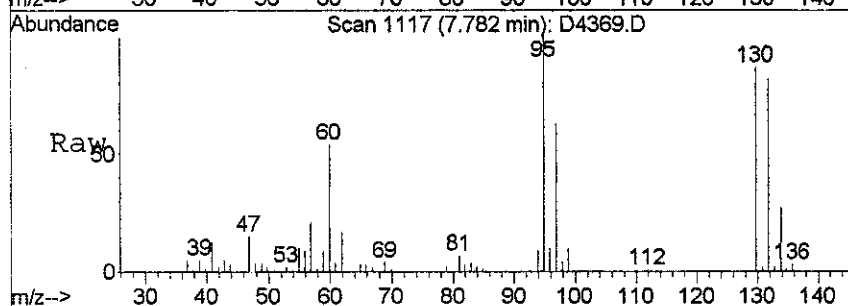


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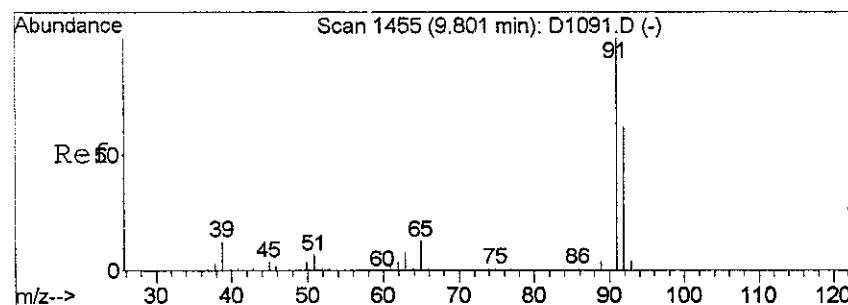
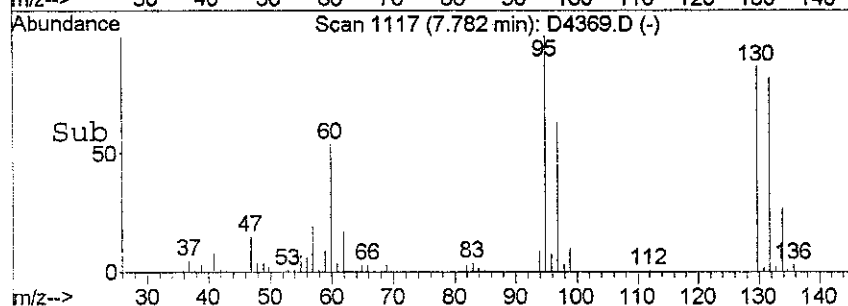
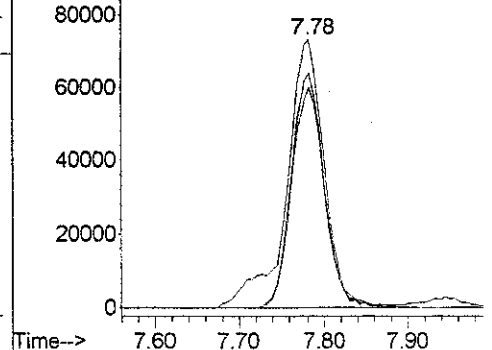


#30
Trichloroethene
Concen: 50.05 ug/l
RT: 7.78 min Scan# 1117
Delta R.T. -0.02 min
Lab File: D4369.D
Acq: 1 Aug 2006 16:17

Tgt Ion: 95 Resp: 220980
Ion Ratio Lower Upper
95 100
130 87.1 74.9 114.9
132 81.8 69.1 109.1

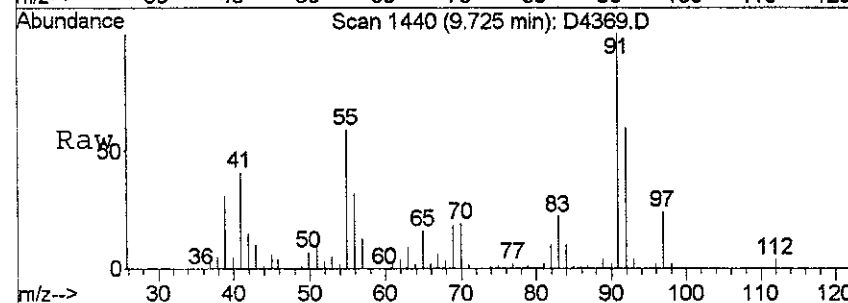


Abundance Ion 95.00 (94.70 to 95.70): D4369.D
100000 Ion 130.00 (129.70 to 130.70): D4369.D
Ion 132.00 (131.70 to 132.70): D4369.D

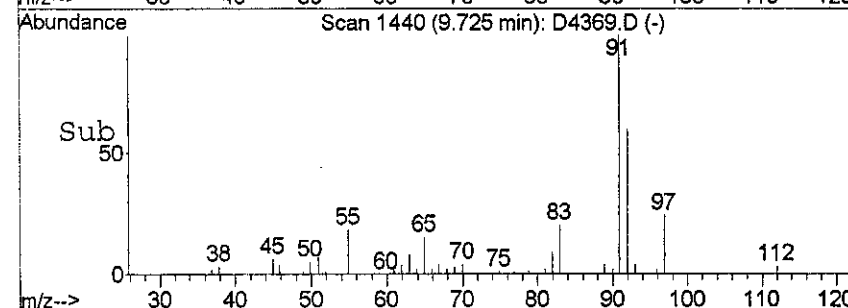
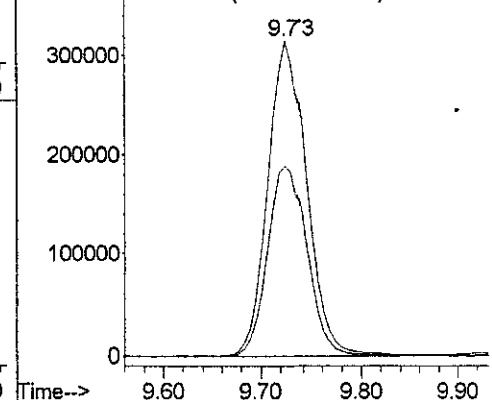


#37
Toluene
Concen: 47.10 ug/l
RT: 9.73 min Scan# 1440
Delta R.T. 0.01 min
Lab File: D4369.D
Acq: 1 Aug 2006 16:17

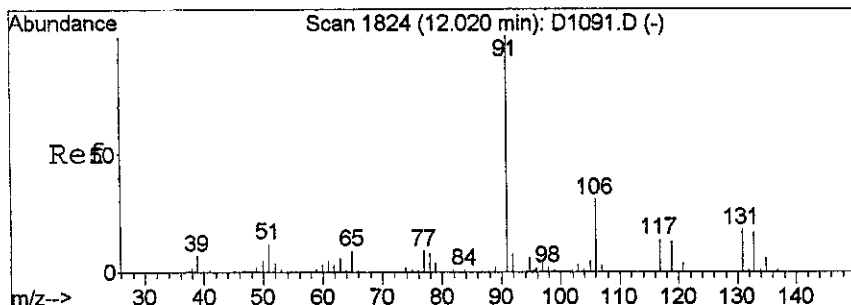
Tgt Ion: 91 Resp: 812241
Ion Ratio Lower Upper
91 100
92 59.7 41.3 81.3



Abundance Ion 91.00 (90.70 to 91.70): D4369.D
Ion 92.00 (91.70 to 92.70): D4369.D

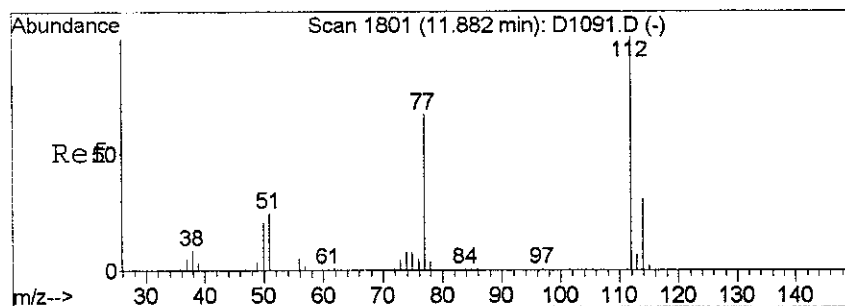
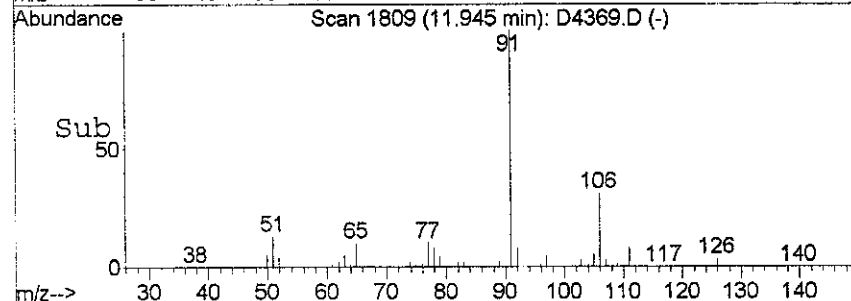
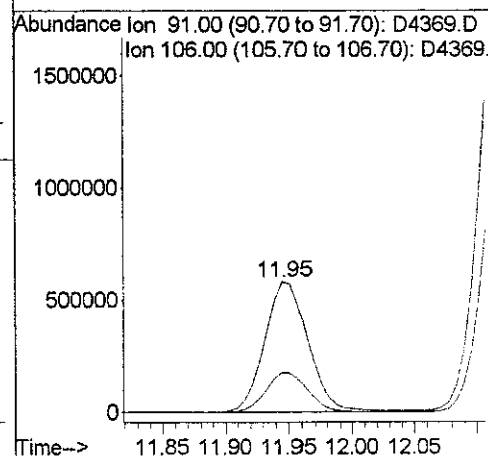
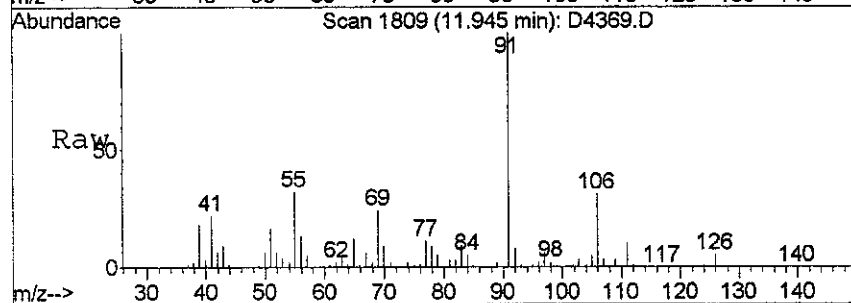


V-89



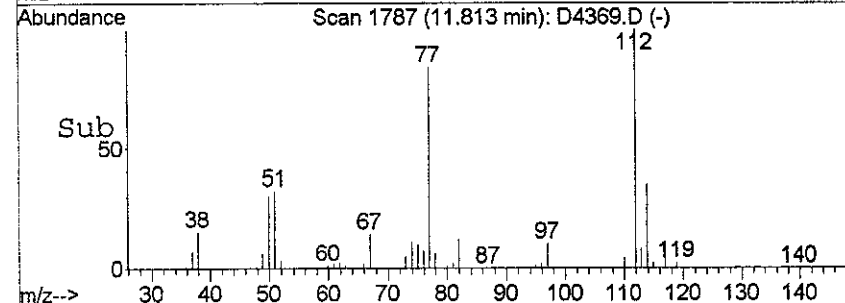
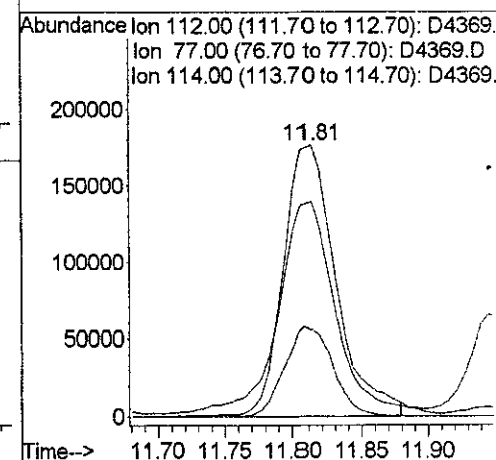
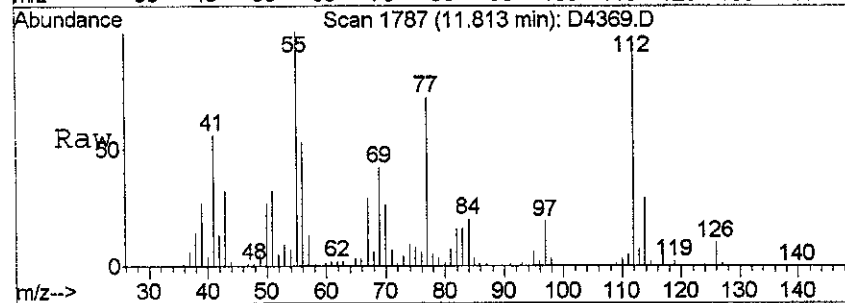
#48
Ethylbenzene
Concen: 82.47 ug/l
RT: 11.95 min Scan# 1809
Delta R.T. 0.02 min
Lab File: D4369.D
Acq: 1 Aug 2006 16:17

Tgt Ion: 91 Resp: 1371214
Ion Ratio Lower Upper
91 100
106 30.8 12.2 52.2

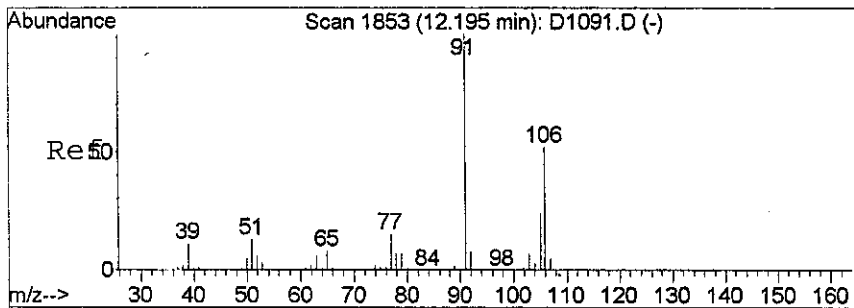


#49
Chlorobenzene
Concen: 49.73 ug/l m
RT: 11.81 min Scan# 1787
Delta R.T. 0.02 min
Lab File: D4369.D
Acq: 1 Aug 2006 16:17

Tgt Ion: 112 Resp: 458079
Ion Ratio Lower Upper
112 100
77 79.1 50.2 90.2
114 31.3 12.1 52.1

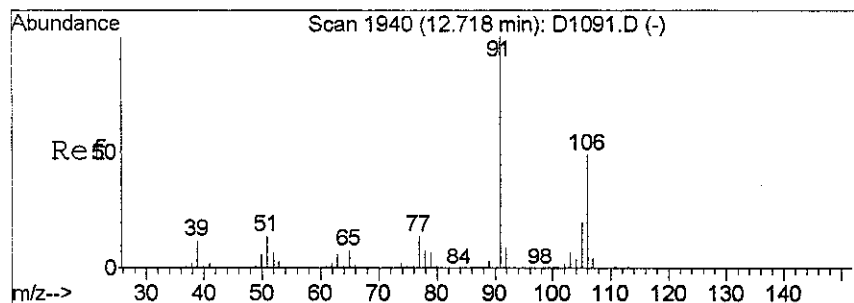
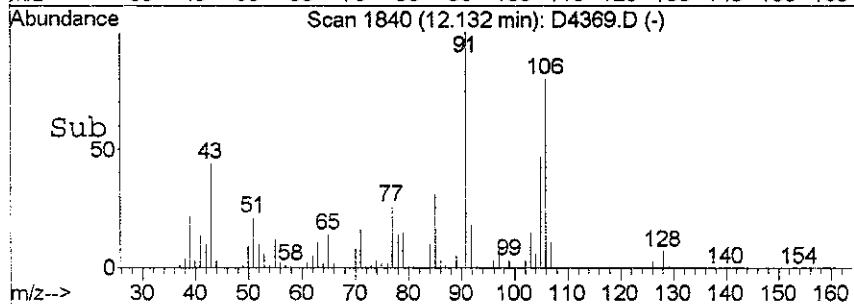
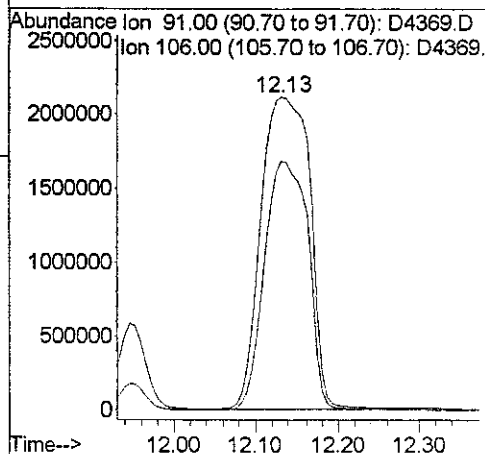
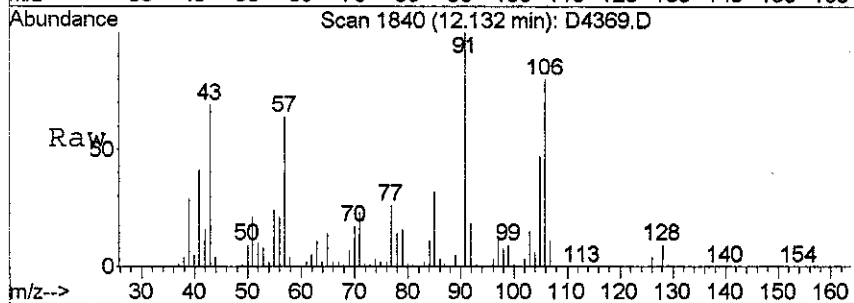


V-90



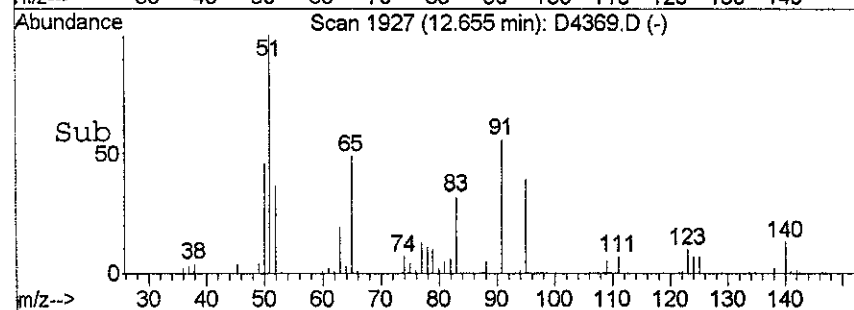
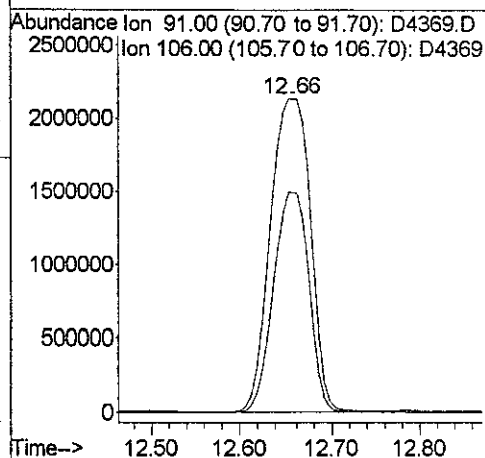
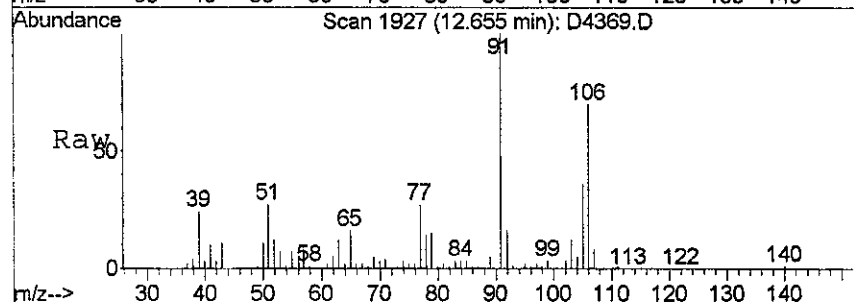
#51
m,p-Xylene
Concen: 719.83 ug/l
RT: 12.13 min Scan# 1840
Delta R.T. 0.03 min
Lab File: D4369.D
Acq: 1 Aug 2006 16:17

Tgt Ion: 91 Resp: 8591231
Ion Ratio Lower Upper
91 100
106 79.5 33.5 73.5#

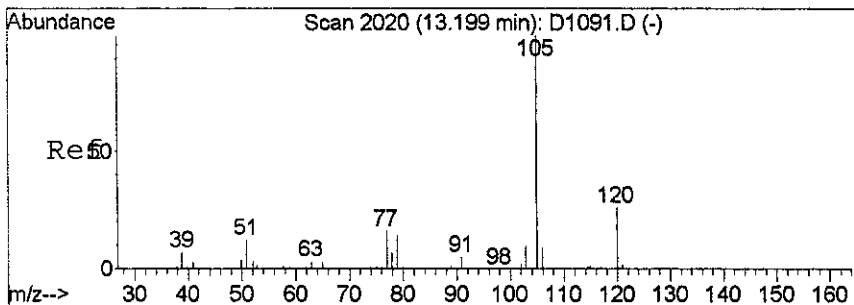


#52
o-Xylene
Concen: 517.01 ug/l
RT: 12.66 min Scan# 1927
Delta R.T. 0.03 min
Lab File: D4369.D
Acq: 1 Aug 2006 16:17

Tgt Ion: 91 Resp: 6236504
Ion Ratio Lower Upper
91 100
106 70.0 30.7 70.7



V-91



#56

Isopropylbenzene

Concen: 122.41 ug/l

RT: 13.12 min Scan# 2004

Delta R.T. 0.02 min

Lab File: D4369.D

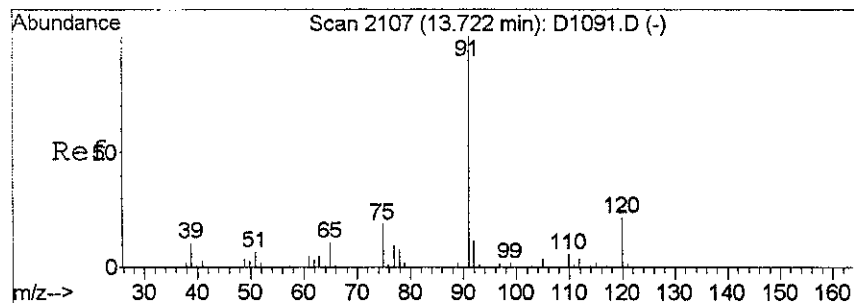
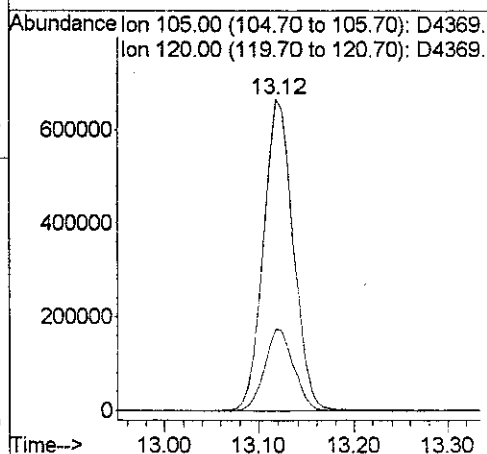
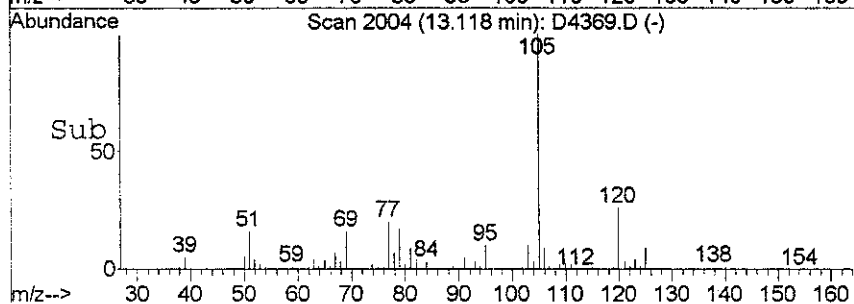
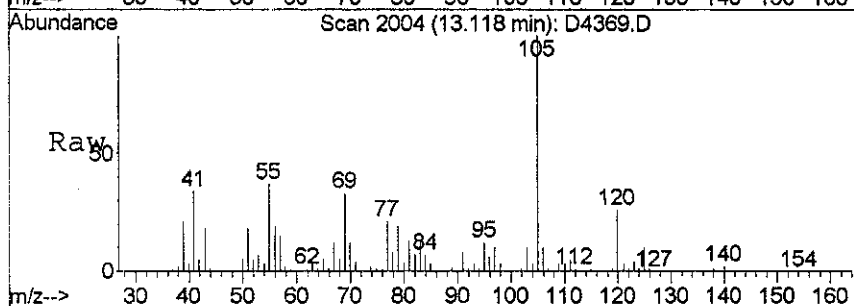
Acq: 1 Aug 2006 16:17

Tgt Ion: 105 Resp: 1436884

Ion Ratio Lower Upper

105 100

120 26.2 6.5 46.5



#59

n-Propyl benzene

Concen: 186.30 ug/l

RT: 13.65 min Scan# 2092

Delta R.T. 0.02 min

Lab File: D4369.D

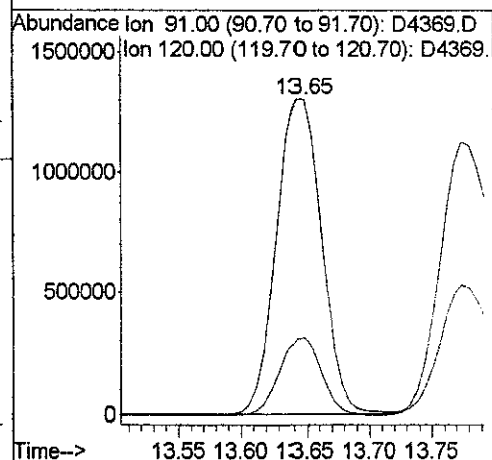
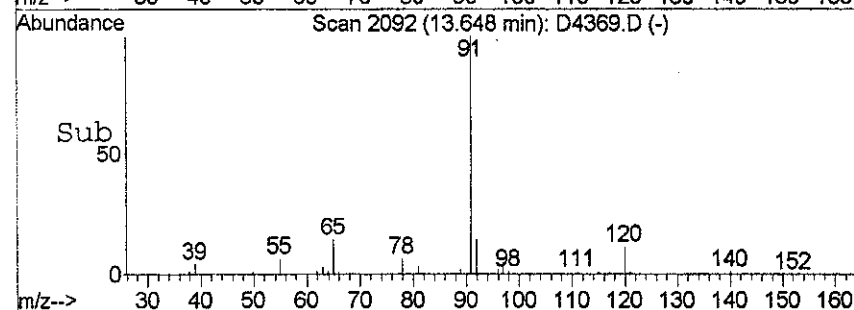
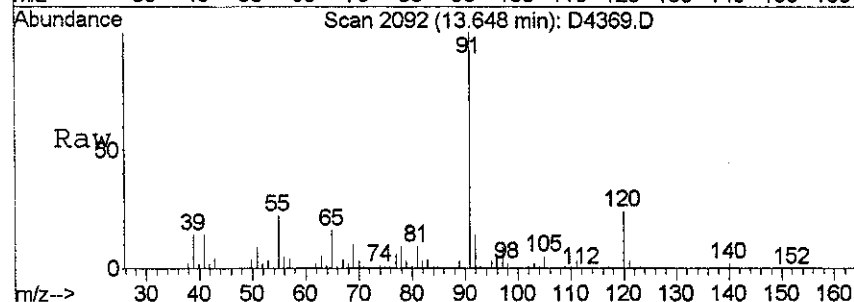
Acq: 1 Aug 2006 16:17

Tgt Ion: 91 Resp: 3036092

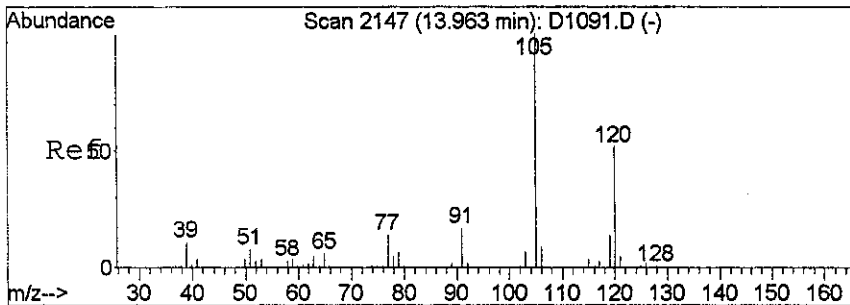
Ion Ratio Lower Upper

91 100

120 23.9 1.3 41.3



V-92



#61

1,3,5-Trimethylbenzene

Concen: 467.97 ug/l

RT: 13.89 min Scan# 2133

Delta R.T. 0.03 min

Lab File: D4369.D

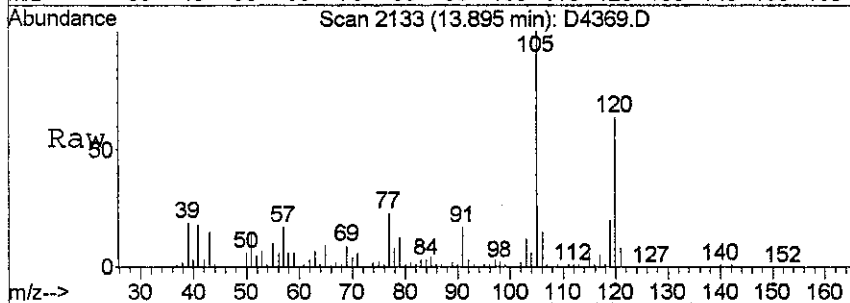
Acq: 1 Aug 2006 16:17

Tgt Ion:105 Resp: 4667133

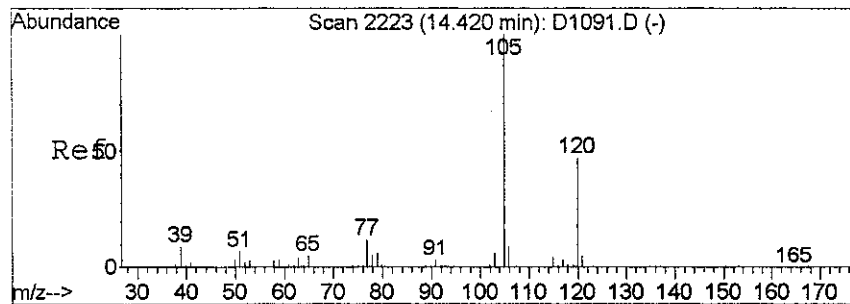
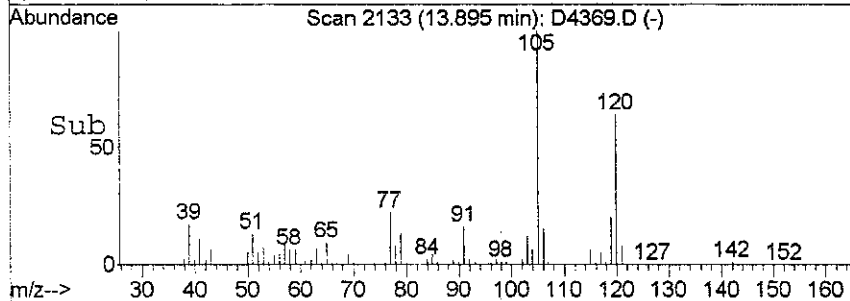
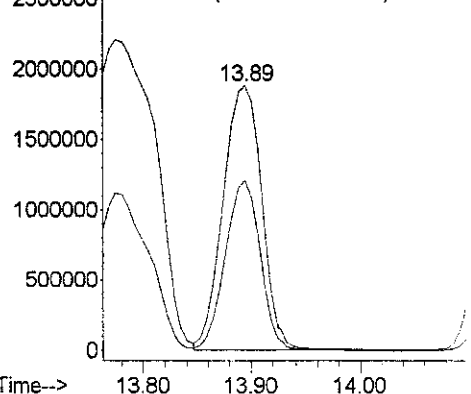
Ion Ratio Lower Upper

105 100

120 64.2 31.7 71.7



Abundance Ion 105.00 (104.70 to 105.70): D4369.
Ion 120.00 (119.70 to 120.70): D4369.



#65

1,2,4-Trimethylbenzene

Concen: 815.69 ug/l m

RT: 14.36 min Scan# 2210

Delta R.T. 0.04 min

Lab File: D4369.D

Acq: 1 Aug 2006 16:17

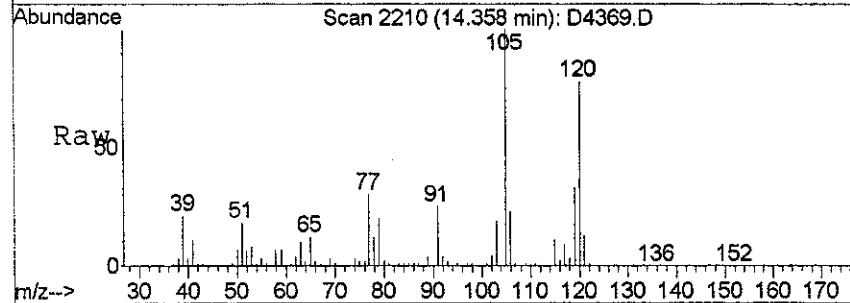
Tgt Ion:105 Resp: 8216780

Ion Ratio Lower Upper

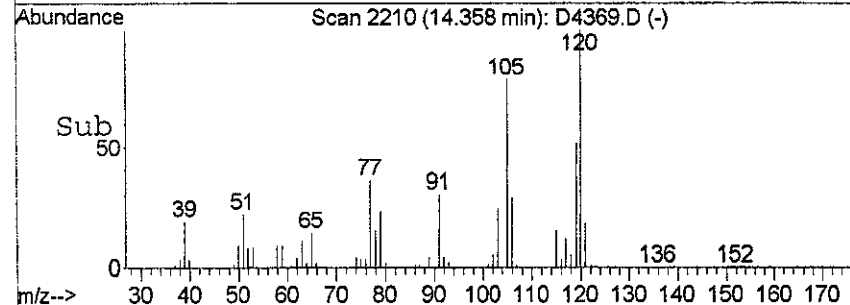
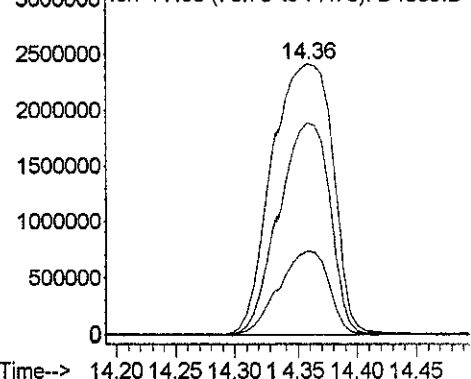
105 100

120 78.2 27.9 67.9#

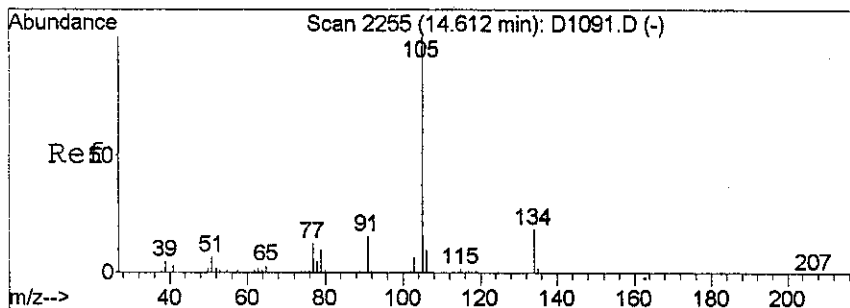
77 30.2 0.0 33.4



Abundance Ion 105.00 (104.70 to 105.70): D4369.
Ion 120.00 (119.70 to 120.70): D4369.
Ion 77.00 (76.70 to 77.70): D4369.D

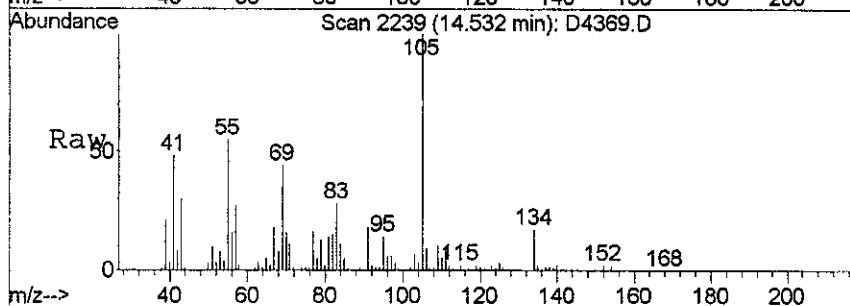


V-93

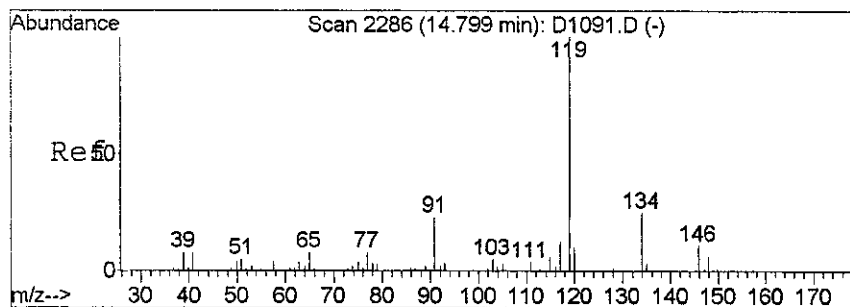
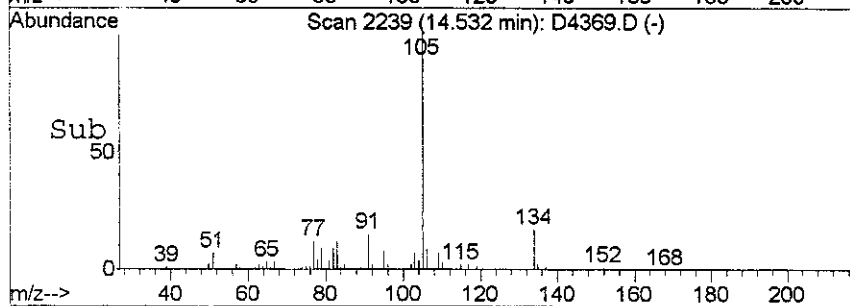
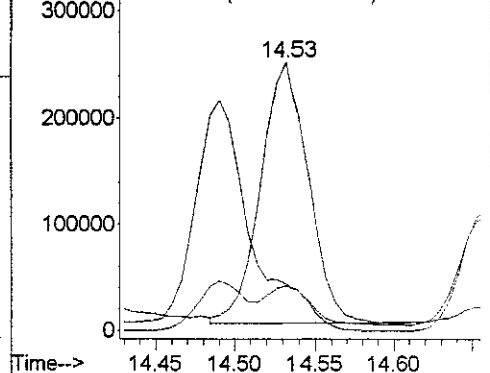


#66
 sec-Butylbenzene
 Concen: 35.72 ug/l
 RT: 14.53 min Scan# 2239
 Delta R.T. 0.02 min
 Lab File: D4369.D
 Acq: 1 Aug 2006 16:17

Tgt Ion:105 Resp: 504546
 Ion Ratio Lower Upper
 105 100
 134 16.9 0.0 39.0
 91 17.6 0.0 34.9

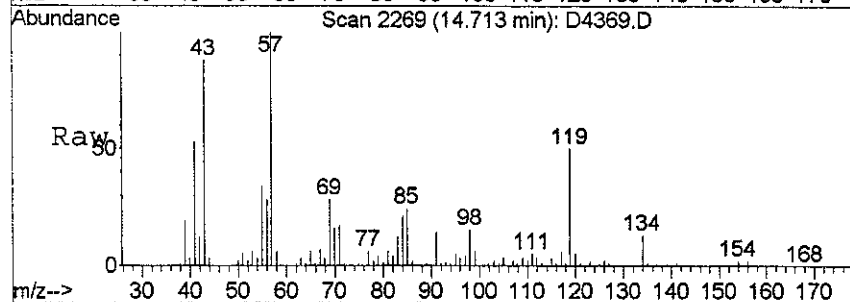


Abundance Ion 105.00 (104.70 to 105.70): D4369.
 Ion 134.00 (133.70 to 134.70): D4369.
 Ion 91.00 (90.70 to 91.70): D4369.D

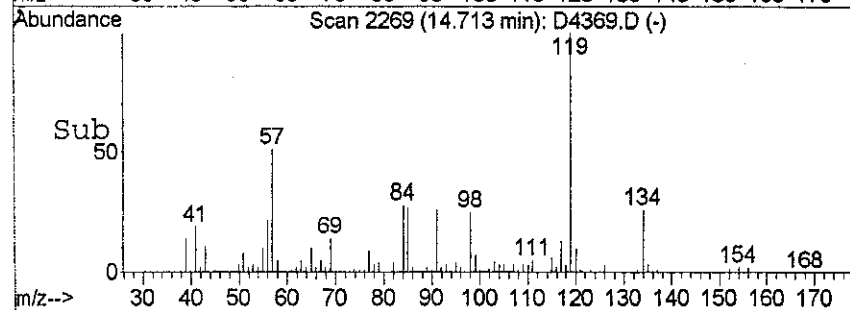
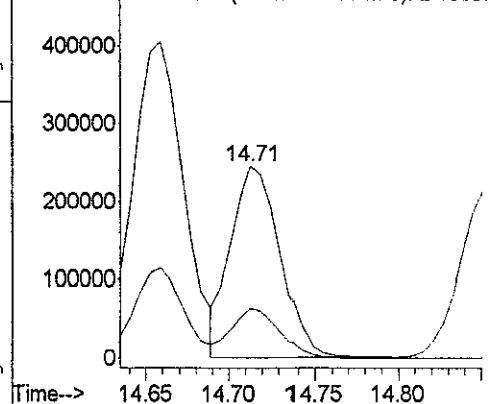


#67
 p-Isopropyltoluene
 Concen: 48.64 ug/l
 RT: 14.71 min Scan# 2269
 Delta R.T. 0.02 min
 Lab File: D4369.D
 Acq: 1 Aug 2006 16:17

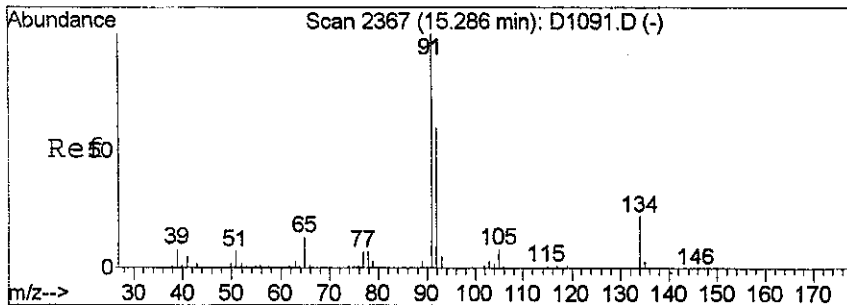
Tgt Ion:119 Resp: 493885
 Ion Ratio Lower Upper
 119 100
 134 25.8 6.1 46.1



Abundance Ion 119.00 (118.70 to 119.70): D4369.
 Ion 134.00 (133.70 to 134.70): D4369.



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#70

n-Butylbenzene

Concen: 156.54 ug/l

RT: 15.20 min Scan# 2350

Delta R.T. 0.02 min

Lab File: D4369.D

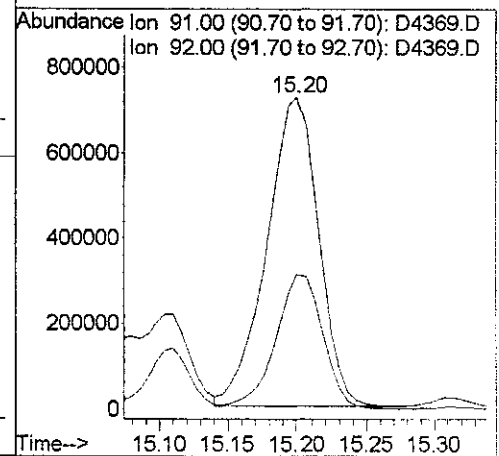
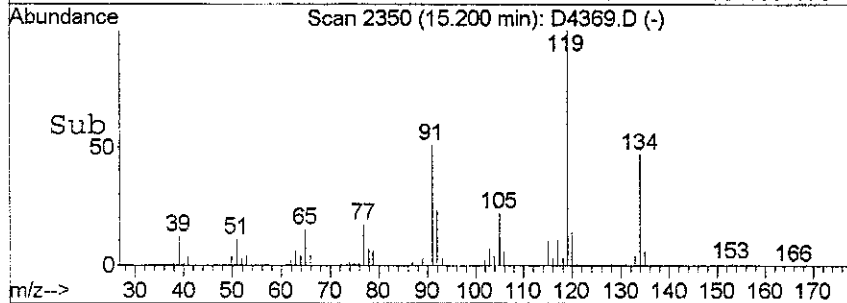
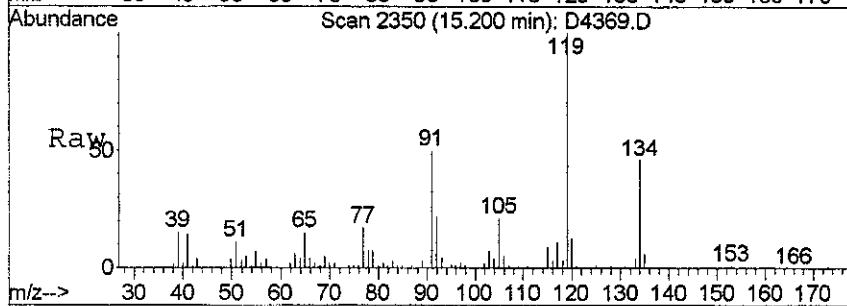
Acq: 1 Aug 2006 16:17

Tgt Ion: 91 Resp: 1846563

Ion Ratio Lower Upper

91 100

92 43.1 41.6 81.6



V-95

Data File : D:\D\DATA\AUG06\D0801\D4369.D

Vial: 12

Acq On : 1 Aug 2006 16:17

Operator:

Sample : 0607113MS

Inst : GC/MS Ins

Misc : SOIL 2903 MS S

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Aug 7 16:56 2006

Quant Results File: VD8S0718.RES

Quant Method : D:\D\METHODS\VD8S0718.M (RTE Integrator)

Title : VOA 8260 METHOD

Last Update : Tue Jul 18 13:28:21 2006

Response via : Initial Calibration

DataAcq Meth : VD8S0718

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) Pentafluorobenzene	6.42	168	238592	50.00	ug/l	-0.18
24) 1,4-Difluorobenzene	7.48	114	514903	50.00	ug/l	-0.02
43) Chlorobenzene-d5	11.77	117	398607	50.00	ug/l	0.02
55) 1,4-Dichlorobenzene-d4	14.78	152	141927	50.00	ug/l	0.02

System Monitoring Compounds

25) 1,2-Dichloroethane-d4	6.81	65	205595	53.24	ug/l	-0.02
Spiked Amount 50.000	Range 70 - 121		Recovery =	106.48%		
36) Toluene-d8	9.62	98	577404	49.07	ug/l	0.00
Spiked Amount 50.000	Range 81 - 117		Recovery =	98.14%		
42) Bromofluorobenzene	13.36	95	434462	93.18	ug/l	0.02
Spiked Amount 50.000	Range 74 - 121		Recovery =	186.36%#		

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
11) 1,1-Dichloroethene	2.73	61	376576	58.13	ug/l	93
29) Benzene	6.75	78	940100	48.04	ug/l	92
30) Trichloroethene	7.78	95	220980	50.05	ug/l	92
37) Toluene	9.73	91	812241	47.10	ug/l	98
48) Ethylbenzene	11.95	91	1371214	82.47	ug/l	98
49) Chlorobenzene	11.81	112	458079m	49.73	ug/l	
51) m,p-Xylene	12.13	91	8591231	719.83	ug/l	# 64
52) o-Xylene	12.66	91	6236504	517.01	ug/l	72
56) Isopropylbenzene	13.12	105	1436884	122.41	ug/l	99
59) n-Propyl benzene	13.65	91	3036092	186.30	ug/l	94
61) 1,3,5-Trimethylbenzene	13.89	105	4667133	467.97	ug/l	82
65) 1,2,4-Trimethylbenzene	14.36	105	8216780m	815.69	ug/l	
66) sec-Butylbenzene	14.53	105	504546	35.72	ug/l	95
67) p-Isopropyltoluene	14.71	119	493885	48.64	ug/l	99
70) n-Butylbenzene	15.20	91	1846563	156.54	ug/l	76

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

D4369.D VD8S0718.M

Mon Aug 07 16:57:50 2006

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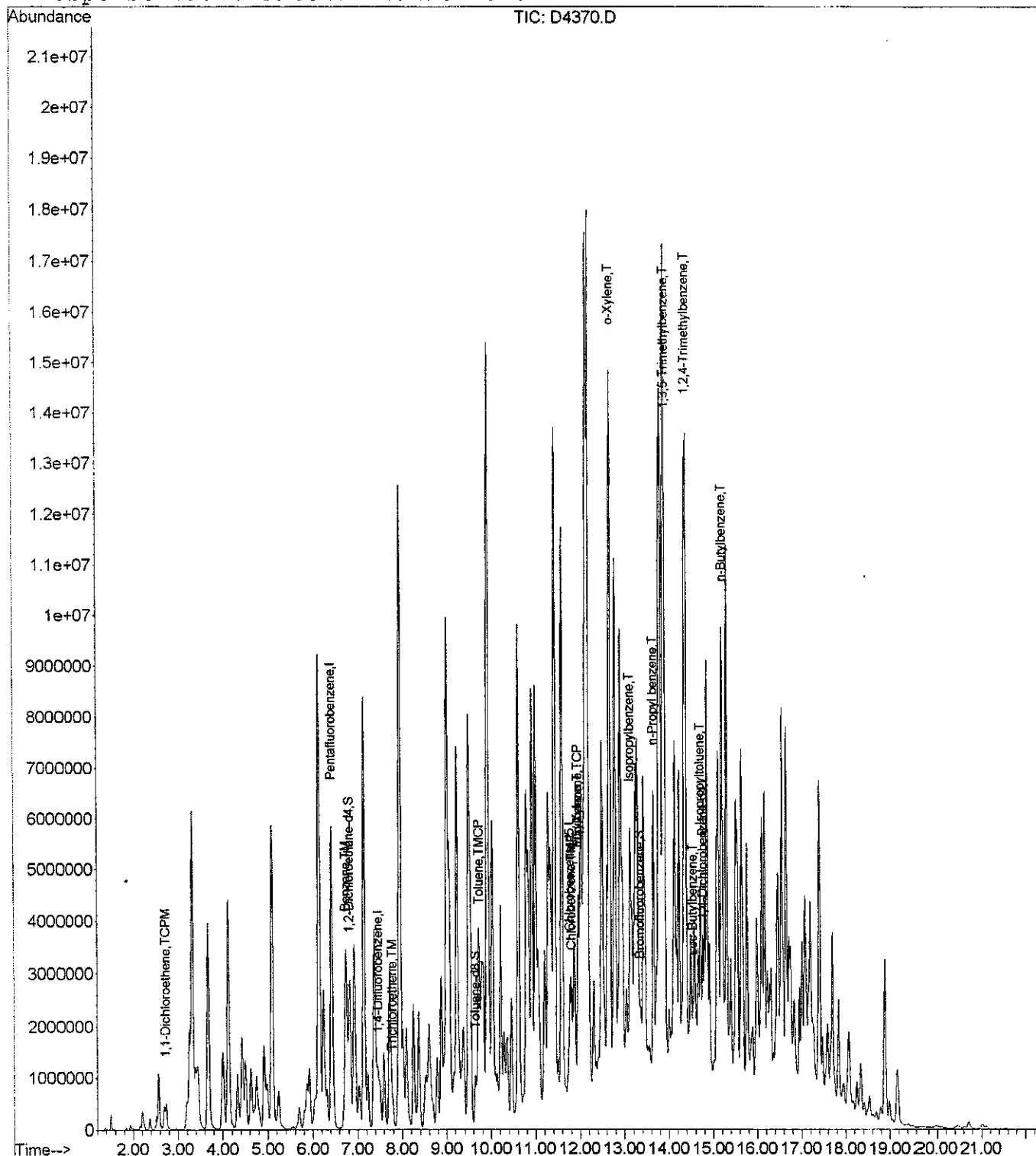
Quantitation Report

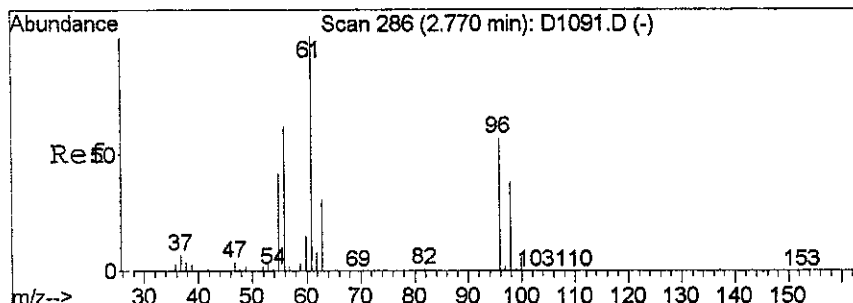
Data File : D:\D\DATA\AUG06\D0801\D4370.D
Acq On : 1 Aug 2006 16:52
Sample : 0607114MSD
Misc : SOIL 2903 MSS S
MS Integration Params: rteint.p
Quant Time: Aug 7 16:57 2006

Vial: 13
Operator:
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: VD8S0718.R

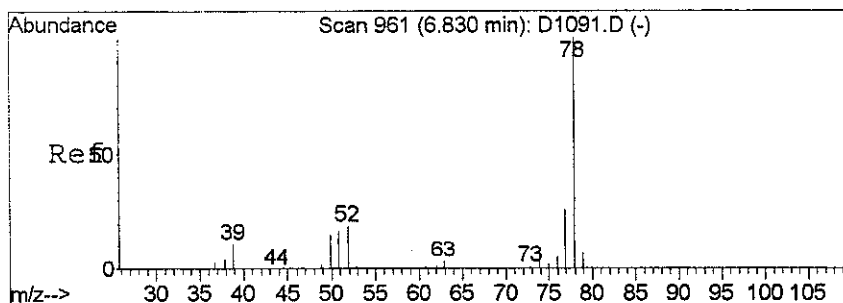
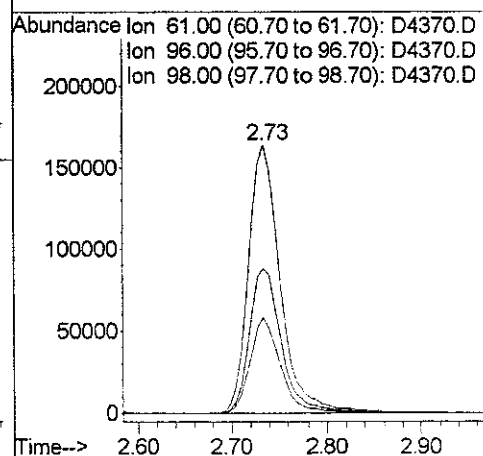
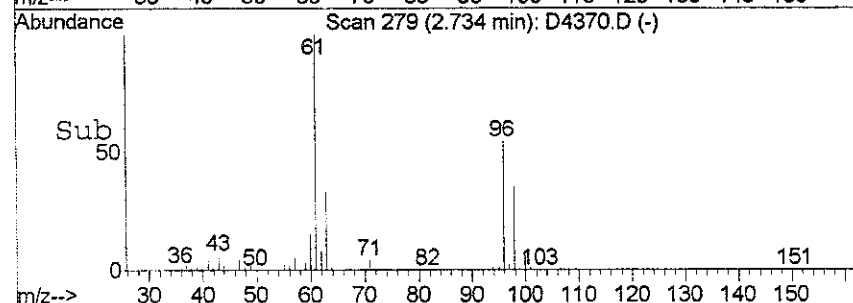
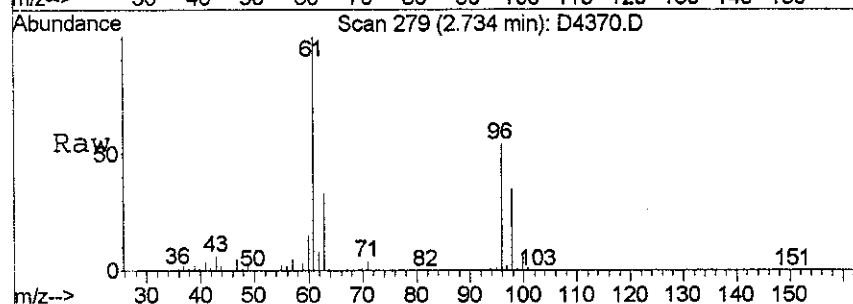
Method : D:\D\METHODS\VD8S0718.M (RTE Integrator)
Title : VOA 8260 METHOD
Last Update : Tue Jul 18 13:28:21 2006
Response via : Initial Calibration





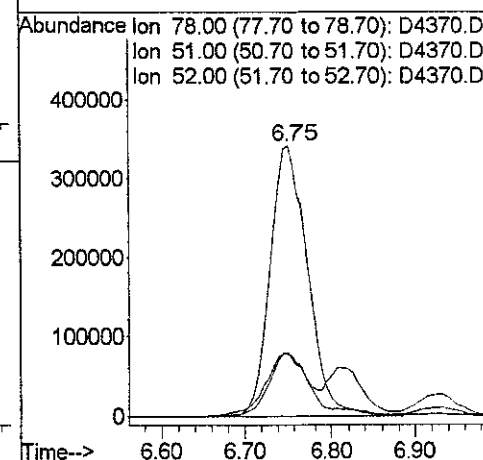
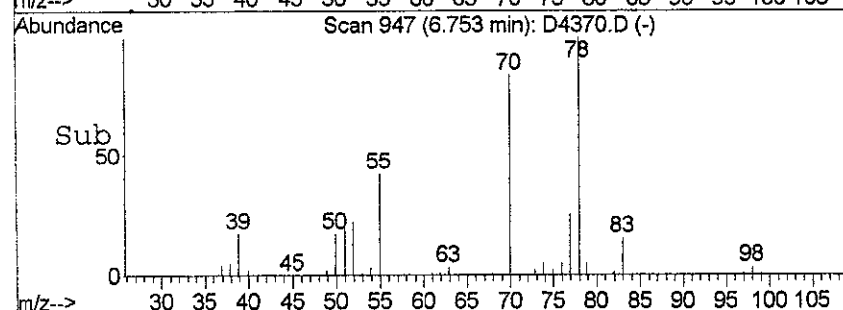
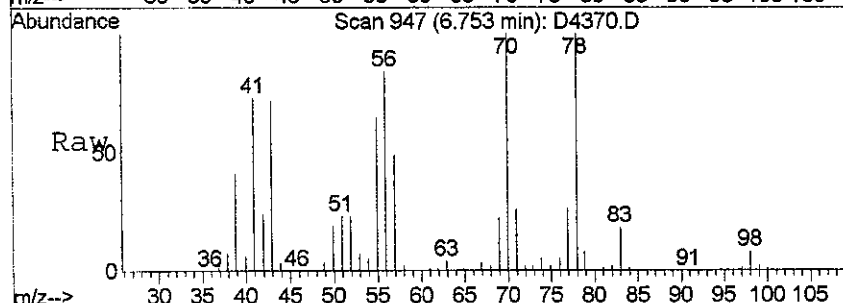
#11
 1,1-Dichloroethene
 Concen: 54.47 ug/l
 RT: 2.73 min Scan# 279
 Delta R.T. -0.10 min
 Lab File: D4370.D
 Acq: 1 Aug 2006 16:52

Tgt Ion: 61 Resp: 388541
 Ion Ratio Lower Upper
 61 100
 96 53.6 40.9 80.9
 98 35.5 19.6 59.6

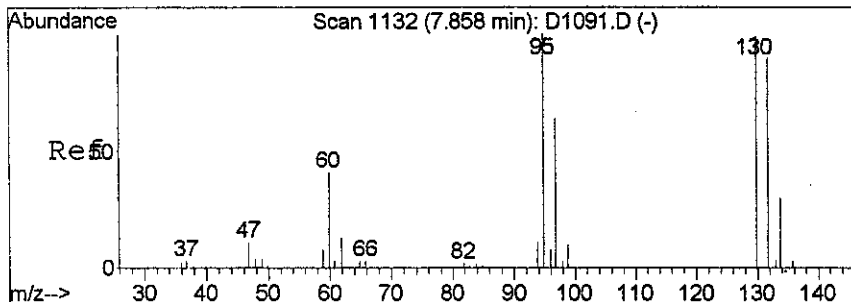


#29
 Benzene
 Concen: 46.84 ug/l
 RT: 6.75 min Scan# 947
 Delta R.T. -0.01 min
 Lab File: D4370.D
 Acq: 1 Aug 2006 16:52

Tgt Ion: 78 Resp: 1000058
 Ion Ratio Lower Upper
 78 100
 51 23.2 0.0 36.6
 52 22.5 0.0 39.4

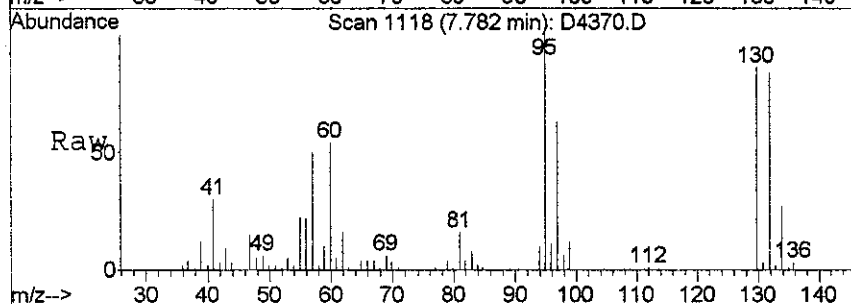


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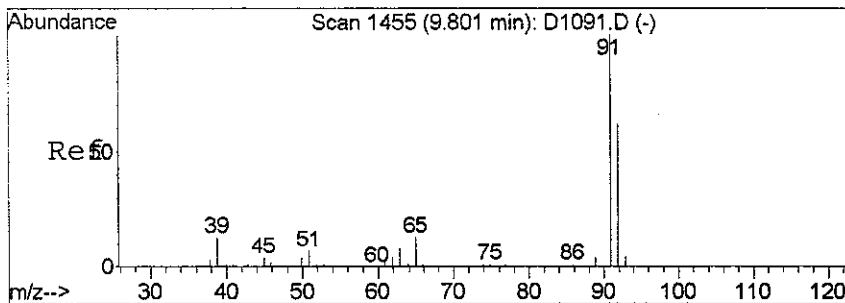
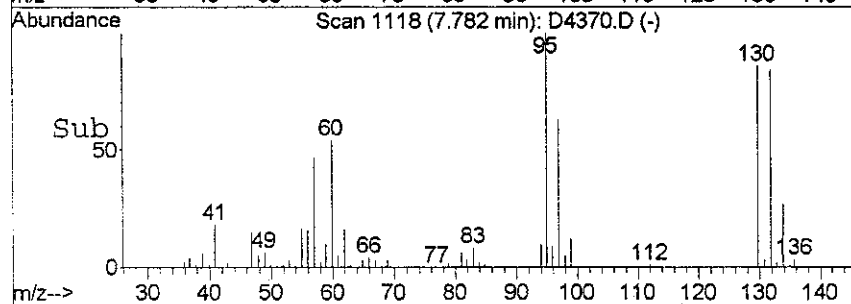
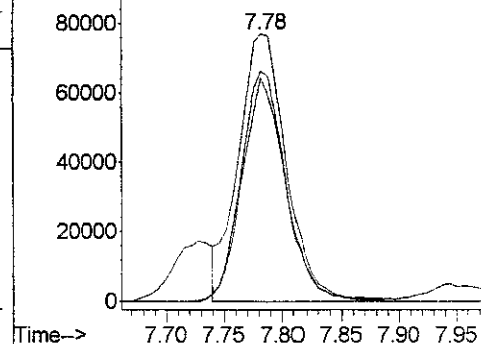


#30
 Trichloroethene
 Concen: 45.97 ug/l
 RT: 7.78 min Scan# 1118
 Delta R.T. -0.02 min
 Lab File: D4370.D
 Acq: 1 Aug 2006 16:52

Tgt Ion: 95 Resp: 221413
 Ion Ratio Lower Upper
 95 100
 130 88.8 74.9 114.9
 132 83.8 69.1 109.1

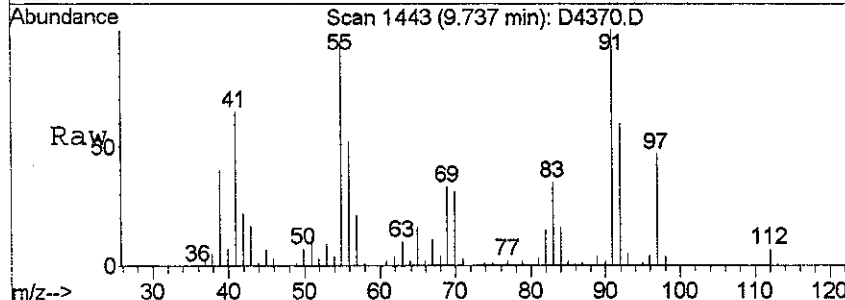


Abundance Ion 95.00 (94.70 to 95.70): D4370.D
 Ion 130.00 (129.70 to 130.70): D4370.D
 Ion 132.00 (131.70 to 132.70): D4370.D

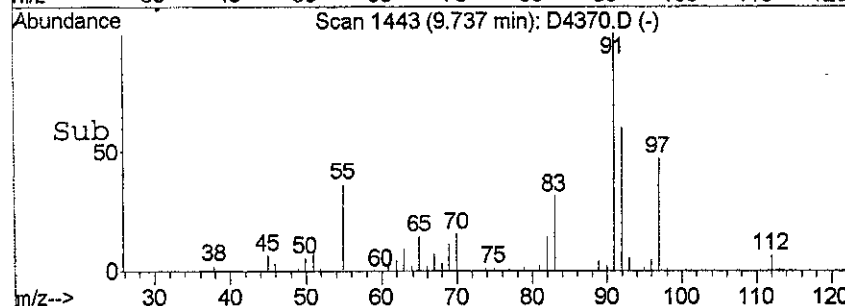
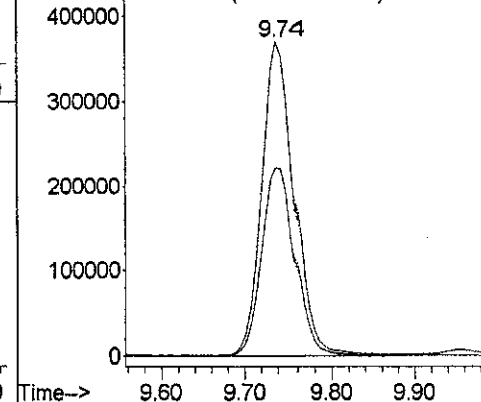


#37
 Toluene
 Concen: 50.63 ug/l
 RT: 9.74 min Scan# 1443
 Delta R.T. 0.02 min
 Lab File: D4370.D
 Acq: 1 Aug 2006 16:52

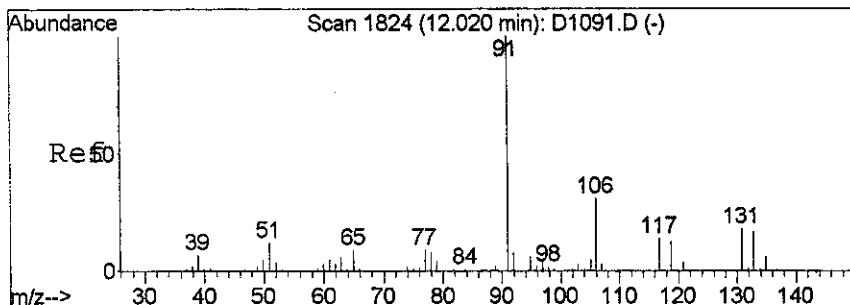
Tgt Ion: 91 Resp: 952457
 Ion Ratio Lower Upper
 91 100
 92 59.9 41.3 81.3



Abundance Ion 91.00 (90.70 to 91.70): D4370.D
 Ion 92.00 (91.70 to 92.70): D4370.D



V-99



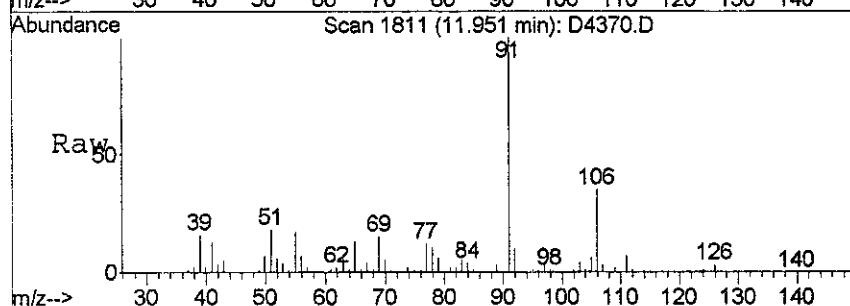
#48
Ethylbenzene
Concen: 166.76 ug/l
RT: 11.95 min Scan# 1811
Delta R.T. 0.02 min
Lab File: D4370.D
Acq: 1 Aug 2006 16:52

Tgt Ion: 91 Resp: 2942156

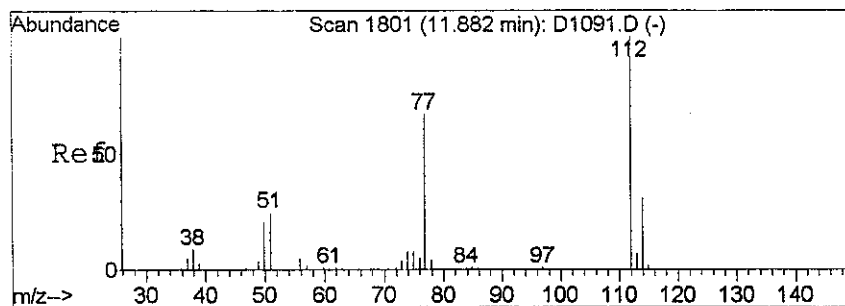
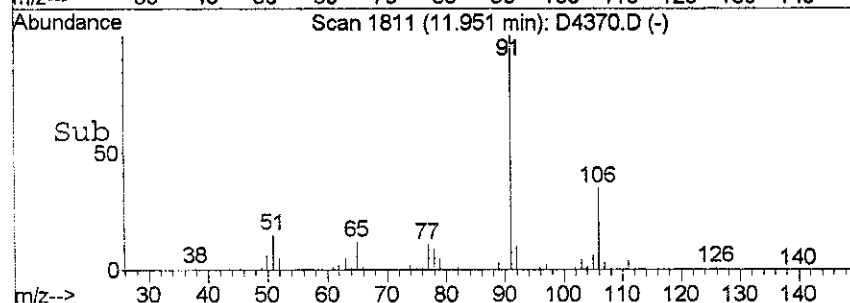
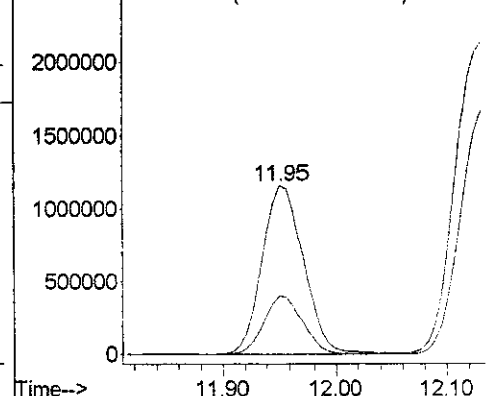
Ion Ratio Lower Upper

91 100

106 34.9 12.2 52.2



Abundance Ion 91.00 (90.70 to 91.70): D4370.D
2500000 Ion 106.00 (105.70 to 106.70): D4370.D



#49
Chlorobenzene
Concen: 50.23 ug/l
RT: 11.81 min Scan# 1788
Delta R.T. 0.02 min
Lab File: D4370.D
Acq: 1 Aug 2006 16:52

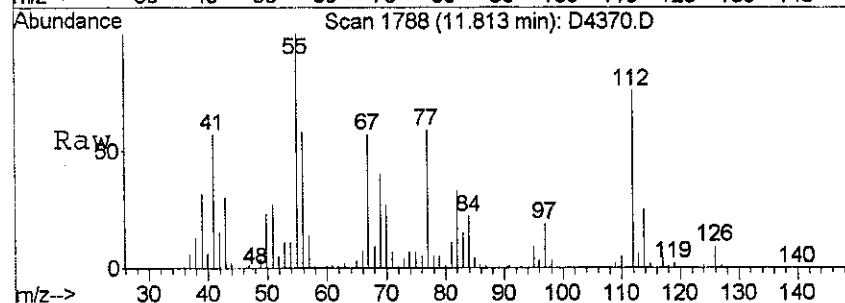
Tgt Ion: 112 Resp: 490999

Ion Ratio Lower Upper

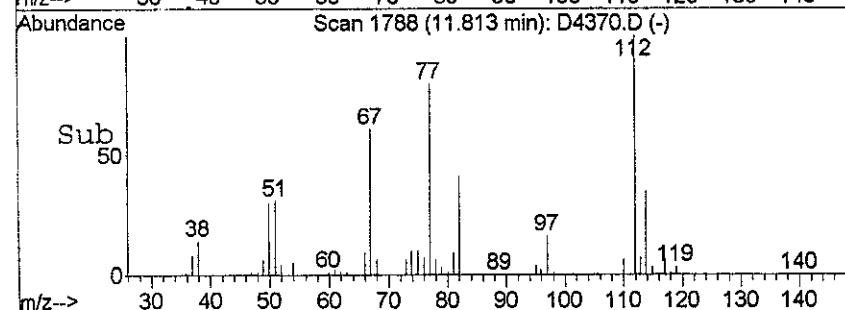
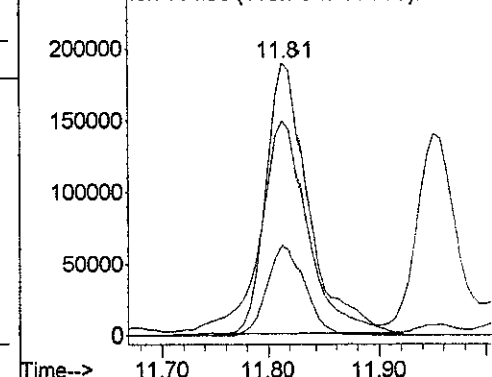
112 100

77 78.5 50.2 90.2

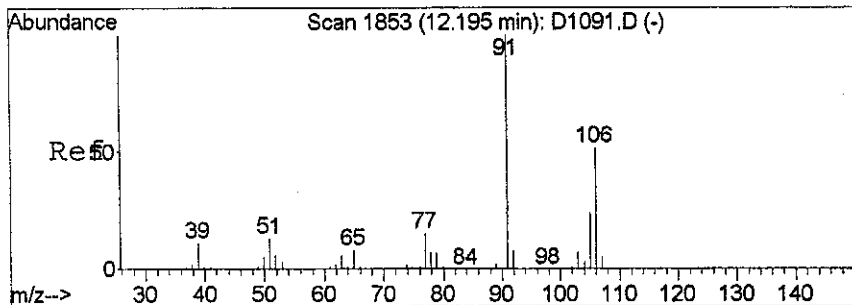
114 32.7 12.1 52.1



Abundance Ion 112.00 (111.70 to 112.70): D4370.D
250000 Ion 77.00 (76.70 to 77.70): D4370.D
Ion 114.00 (113.70 to 114.70): D4370.D

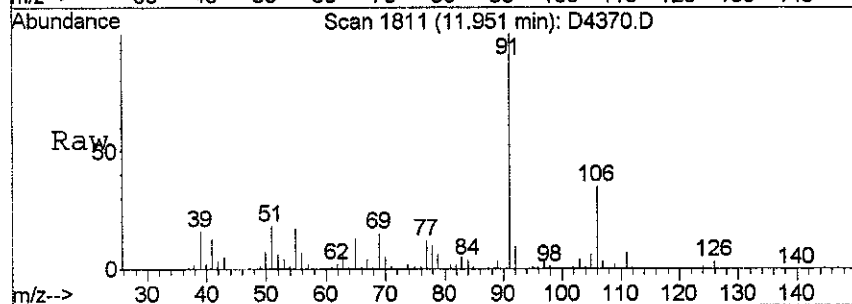


V-100

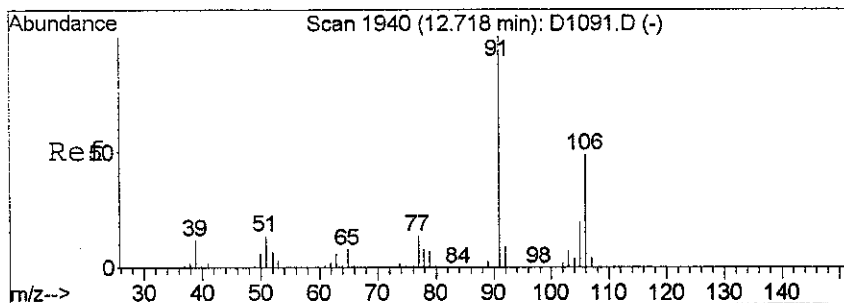
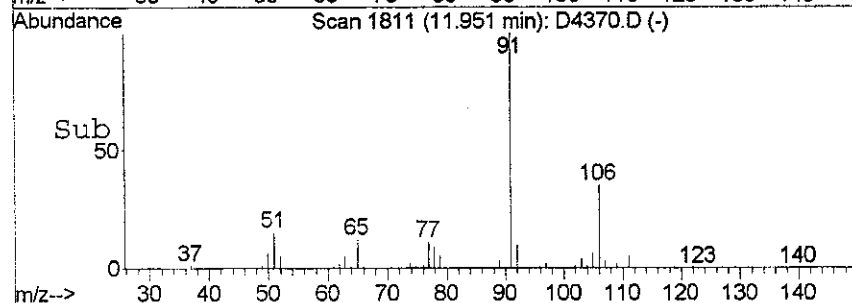
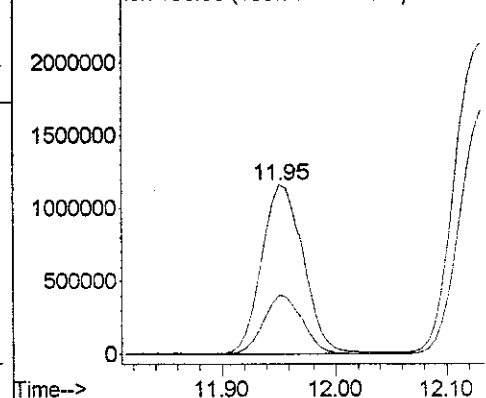


#51
m,p-Xylene
Concen: 232.32 ug/l
RT: 11.95 min Scan# 1811
Delta R.T. -0.15 min
Lab File: D4370.D
Acq: 1 Aug 2006 16:52

Tgt Ion: 91 Resp: 2942156
Ion Ratio Lower Upper
91 100
106 34.9 33.5 73.5

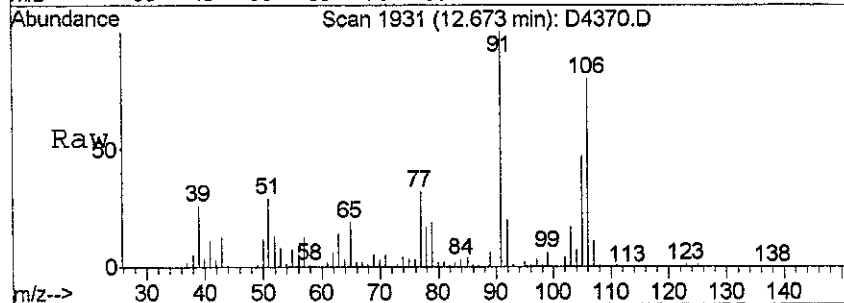


Abundance Ion 91.00 (90.70 to 91.70): D4370.D
2500000 Ion 106.00 (105.70 to 106.70): D4370.D

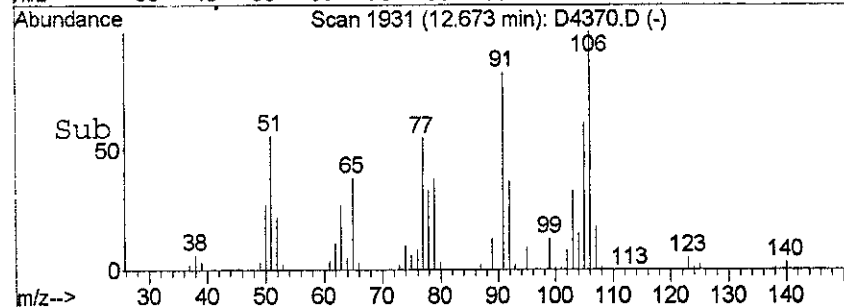
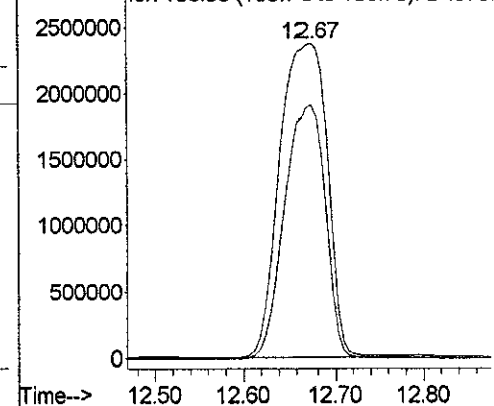


#52
o-Xylene
Concen: 647.91 ug/l
RT: 12.67 min Scan# 1931
Delta R.T. 0.05 min
Lab File: D4370.D
Acq: 1 Aug 2006 16:52

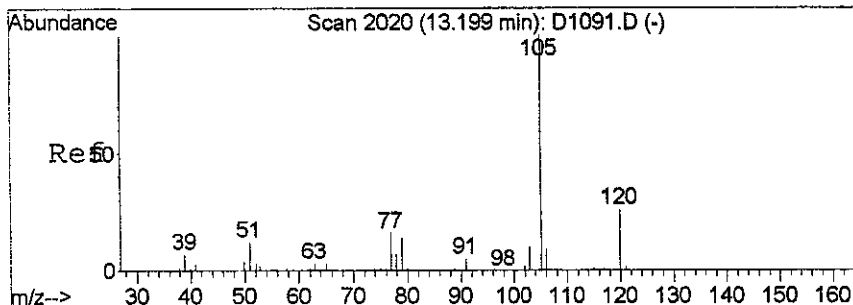
Tgt Ion: 91 Resp: 8292894
Ion Ratio Lower Upper
91 100
106 80.3 30.7 70.7#



Abundance Ion 91.00 (90.70 to 91.70): D4370.D
2500000 Ion 106.00 (105.70 to 106.70): D4370.D



V-101



#56

Isopropylbenzene

Concen: 189.10 ug/l

RT: 13.12 min Scan# 2006

Delta R.T. 0.02 min

Lab File: D4370.D

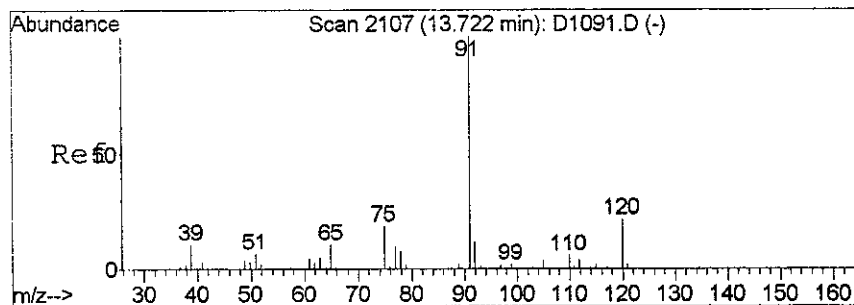
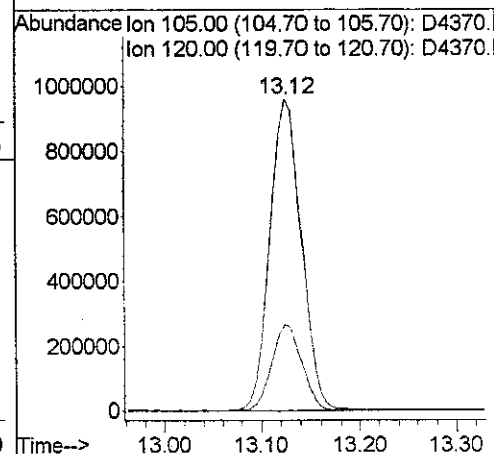
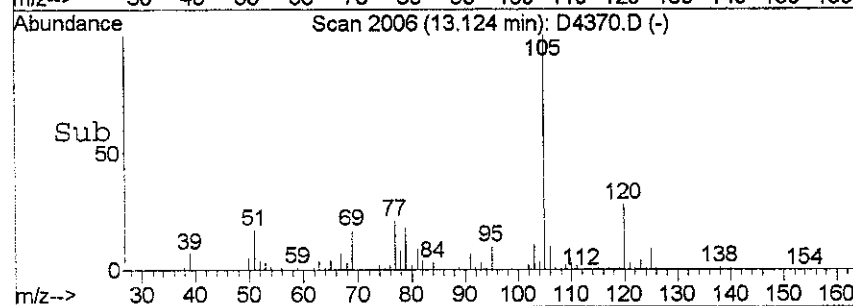
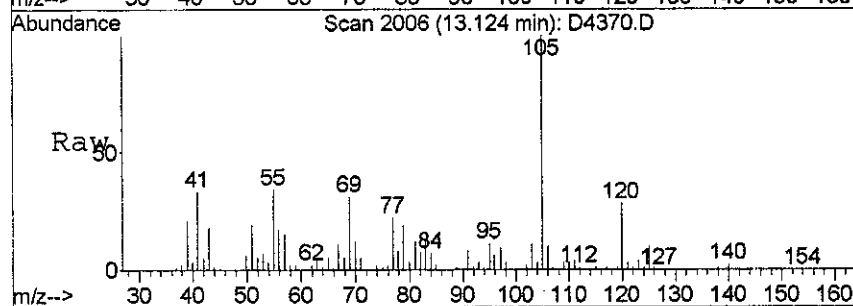
Acq: 1 Aug 2006 16:52

Tgt Ion: 105 Resp: 2129475

Ion Ratio Lower Upper

105 100

120 27.8 6.5 46.5



#59

n-Propyl benzene

Concen: 267.27 ug/l

RT: 13.65 min Scan# 2093

Delta R.T. 0.02 min

Lab File: D4370.D

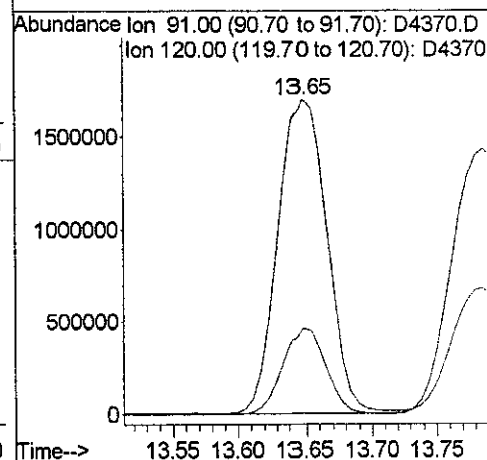
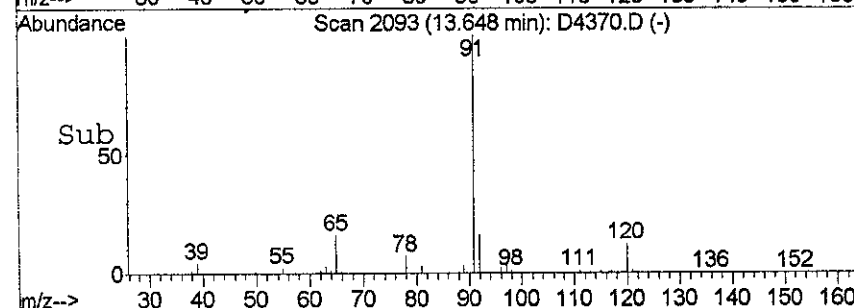
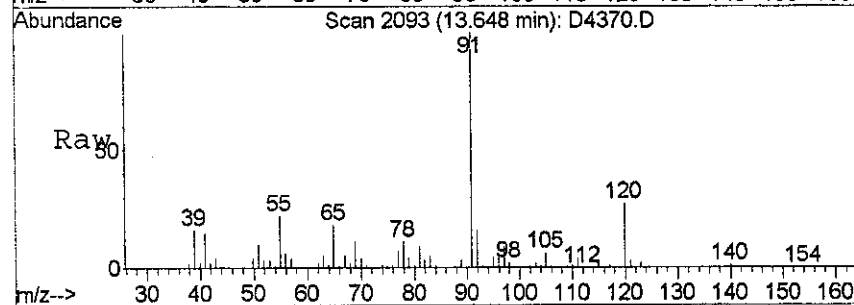
Acq: 1 Aug 2006 16:52

Tgt Ion: 91 Resp: 4178572

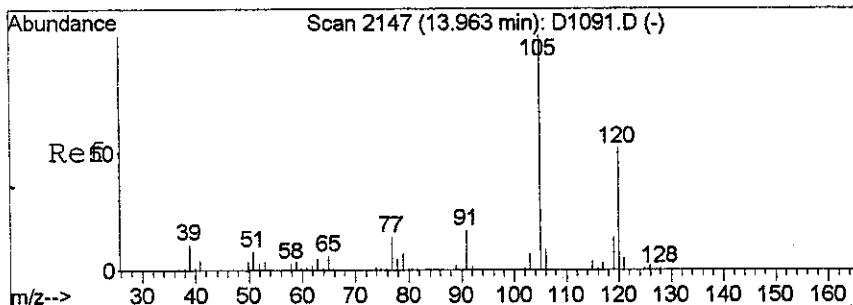
Ion Ratio Lower Upper

91 100

120 27.1 1.3 41.3

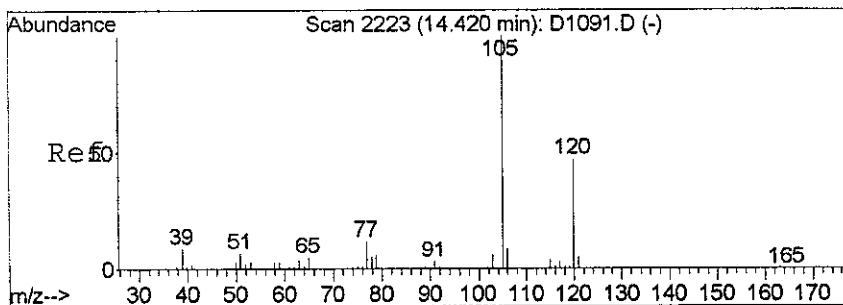
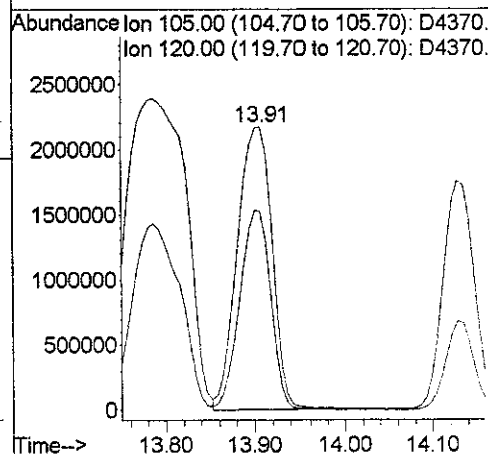
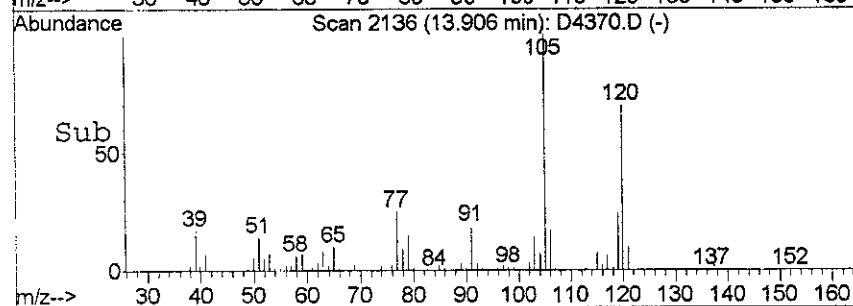
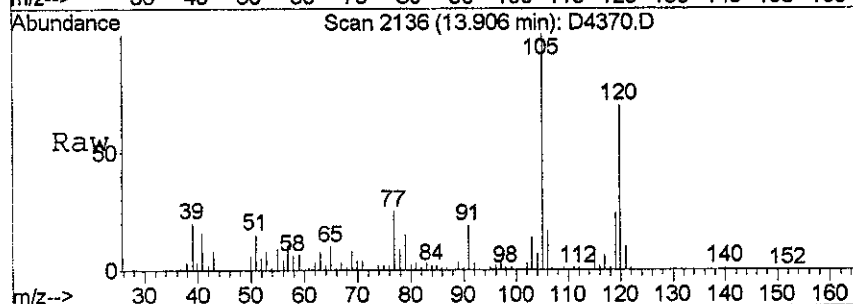


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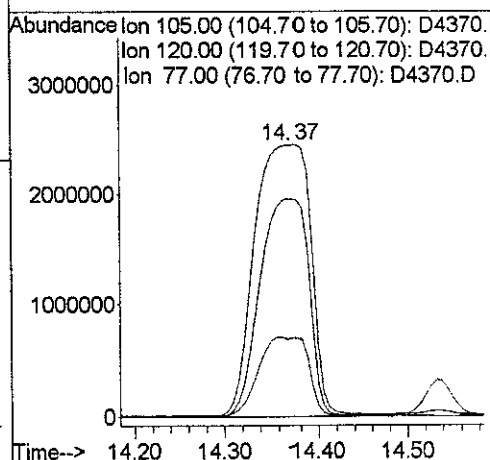
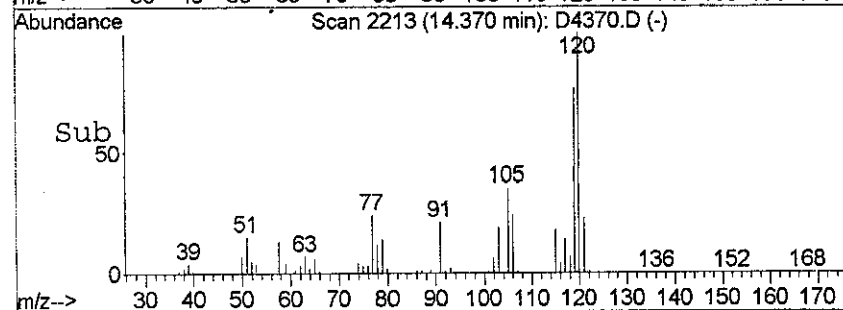
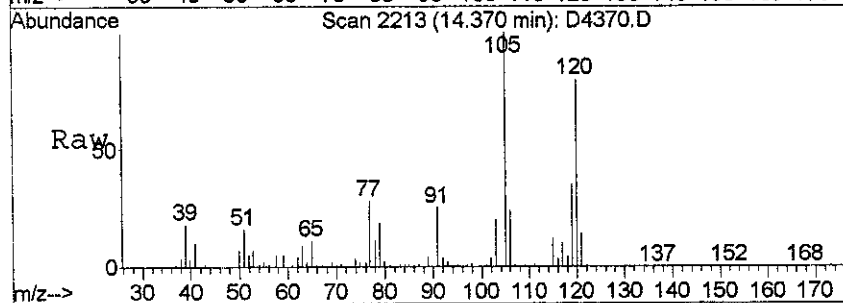
#61
 1,3,5-Trimethylbenzene
 Concen: 617.69 ug/l
 RT: 13.91 min Scan# 2136
 Delta R.T. 0.04 min
 Lab File: D4370.D
 Acq: 1 Aug 2006 16:52

Tgt Ion:105 Resp: 5909980
 Ion Ratio Lower Upper
 105 100
 120 70.1 31.7 71.7

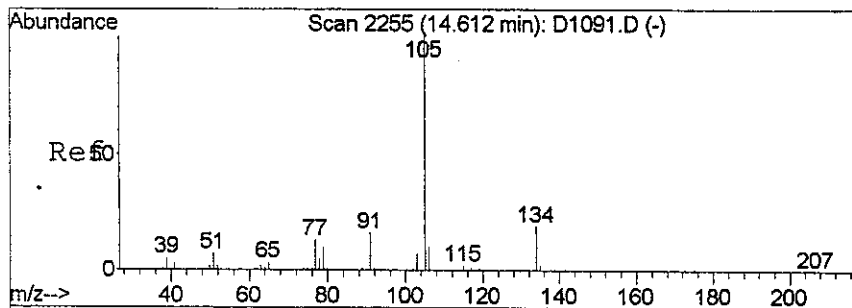


#65
 1,2,4-Trimethylbenzene
 Concen: 1032.71 ug/l m
 RT: 14.37 min Scan# 2213
 Delta R.T. 0.05 min
 Lab File: D4370.D
 Acq: 1 Aug 2006 16:52

Tgt Ion:105 Resp: 9980067
 Ion Ratio Lower Upper
 105 100
 120 80.0 27.9 67.9#
 77 28.5 0.0 33.4

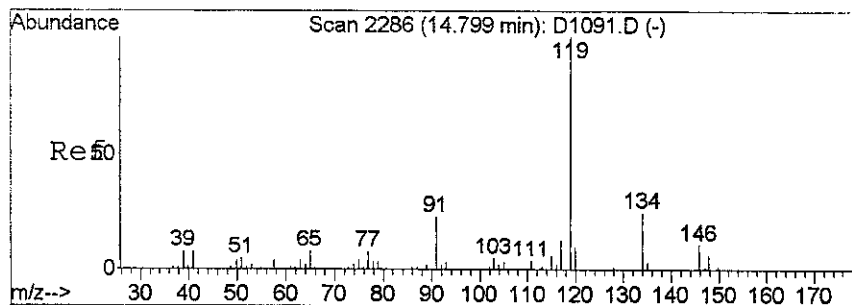
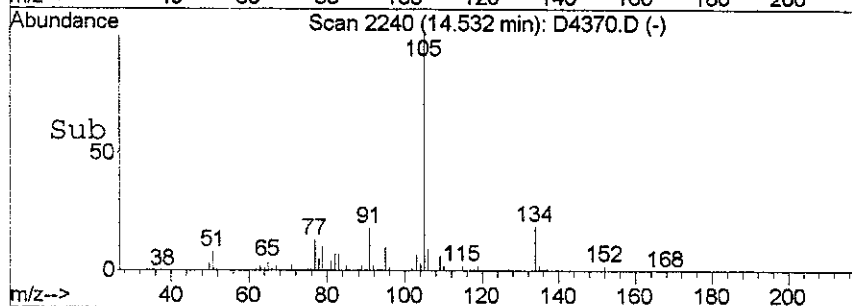
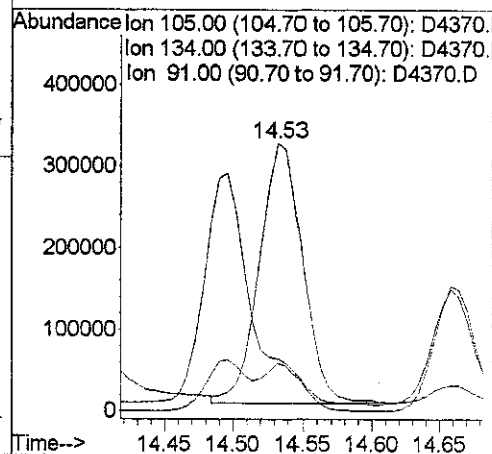
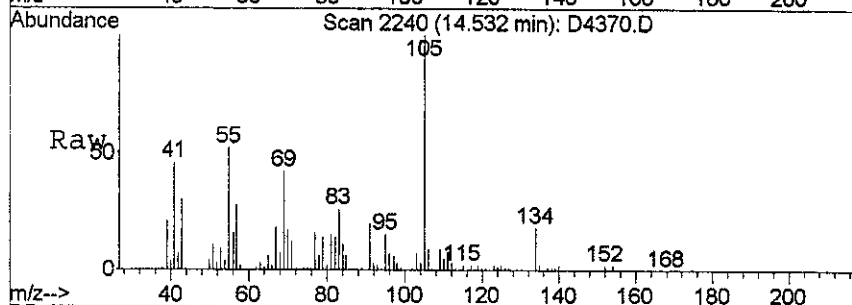


V-103



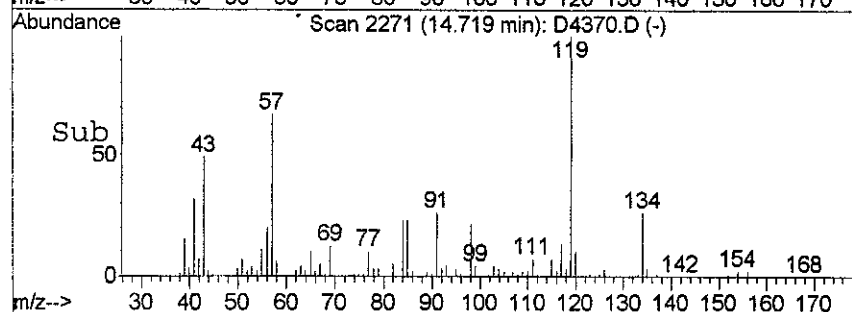
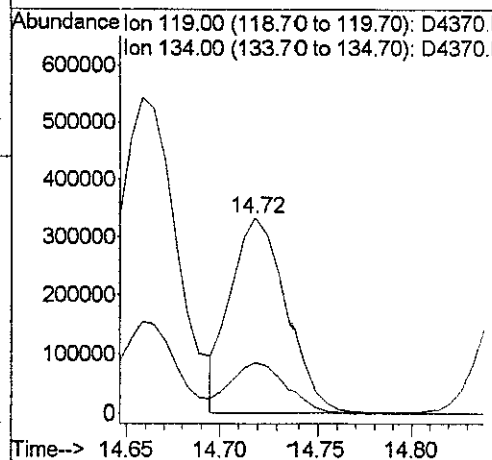
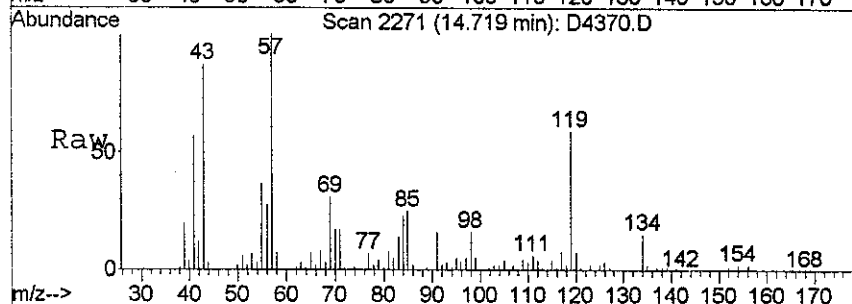
#66
 sec-Butylbenzene
 Concen: 50.47 ug/l
 RT: 14.53 min Scan# 2240
 Delta R.T. 0.02 min
 Lab File: D4370.D
 Acq: 1 Aug 2006 16:52

Tgt Ion	Ratio	Lower	Upper
105	100		
134	17.9	0.0	39.0
91	19.6	0.0	34.9

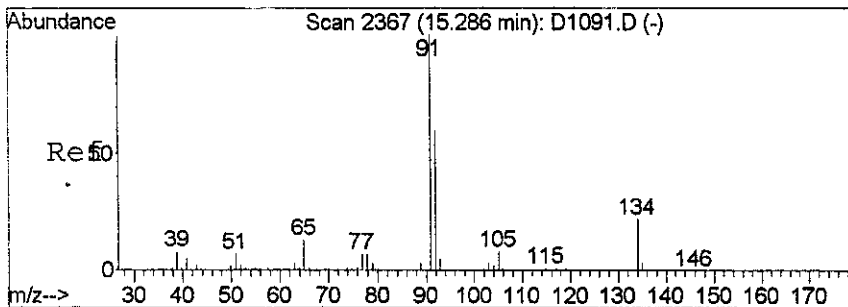


#67
 p-Isopropyltoluene
 Concen: 67.36 ug/l
 RT: 14.72 min Scan# 2271
 Delta R.T. 0.02 min
 Lab File: D4370.D
 Acq: 1 Aug 2006 16:52

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.6	6.1	46.1



V-104



#70

n-Butylbenzene

Concen: 212.03 ug/l

RT: 15.20 min Scan# 2351

Delta R.T. 0.02 min

Lab File: D4370.D

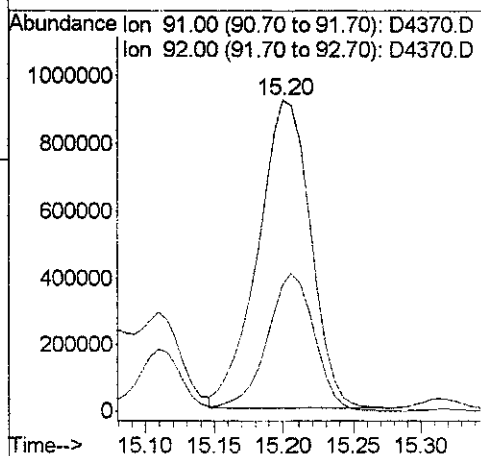
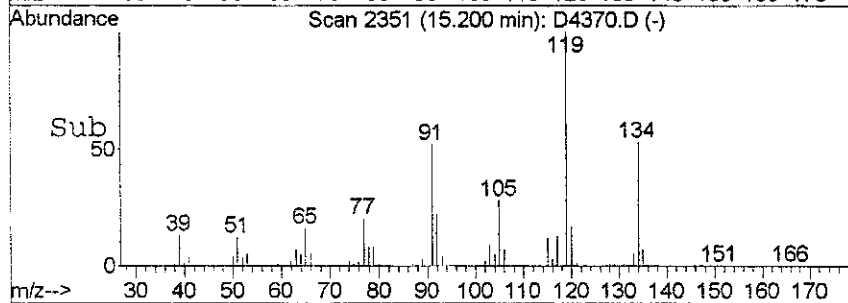
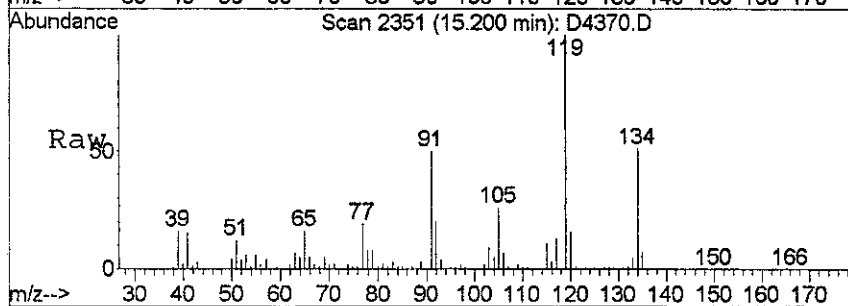
Acq: 1 Aug 2006 16:52

Tgt Ion: 91 Resp: 2399433

Ion Ratio Lower Upper

91 100

92 40.9 41.6 81.6#



V-105

Data File : D:\D\DATA\AUG06\D0801\D4370.D

Vial: 13

Acq On : 1 Aug 2006 16:52

Operator:

Sample : 0607114MSD

Inst : GC/MS Ins

Misc : SOIL 2903

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Aug 7 16:57 2006

Quant Results File: VD8S0718.RES

Quant Method : D:\D\METHODS\VD8S0718.M (RTE Integrator)

Title : VOA 8260 METHOD

Last Update : Tue Jul 18 13:28:21 2006

Response via : Initial Calibration

DataAcq Meth : VD8S0718

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.43	168	262715	50.00	ug/l	-0.17
24) 1,4-Difluorobenzene	7.48	114	561795	50.00	ug/l	-0.02
43) Chlorobenzene-d5	11.78	117	422953	50.00	ug/l	0.02
55) 1,4-Dichlorobenzene-d4	14.78	152	136159	50.00	ug/l	0.02

System Monitoring Compounds

25) 1,2-Dichloroethane-d4	6.81	65	236207	56.06	ug/l	-0.02
Spiked Amount	50.000	Range	70 - 121	Recovery	=	112.12%
36) Toluene-d8	9.64	98	613686	47.80	ug/l	0.02
Spiked Amount	50.000	Range	81 - 117	Recovery	=	95.60%
42) Bromofluorobenzene	13.36	95	387087	76.09	ug/l	0.02
Spiked Amount	50.000	Range	74 - 121	Recovery	=	152.18%#

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
11) 1,1-Dichloroethene	2.73	61	388541	54.47	ug/l	92
29) Benzene	6.75	78	1000058	46.84	ug/l	89
30) Trichloroethene	7.78	95	221413	45.97	ug/l	94
37) Toluene	9.74	91	952457	50.63	ug/l	98
48) Ethylbenzene	11.95	91	2942156	166.76	ug/l	95
49) Chlorobenzene	11.81	112	490999	50.23	ug/l	93
51) m,p-Xylene	11.95	91	2942156	232.32	ug/l	74
52) o-Xylene	12.67	91	8292894	647.91	ug/l	# 57
56) Isopropylbenzene	13.12	105	2129475	189.10	ug/l	97
59) n-Propyl benzene	13.65	91	4178572	267.27	ug/l	88
61) 1,3,5-Trimethylbenzene	13.91	105	5909980	617.69	ug/l	74
65) 1,2,4-Trimethylbenzene	14.37	105	9980067m	1032.71	ug/l	
66) sec-Butylbenzene	14.53	105	683904	50.47	ug/l	94
67) p-Isopropyltoluene	14.72	119	656125	67.36	ug/l	99
70) n-Butylbenzene	15.20	91	2399433	212.03	ug/l	# 73

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

D4370.D VD8S0718.M

Mon Aug 07 16:57:54 2006

Page 1

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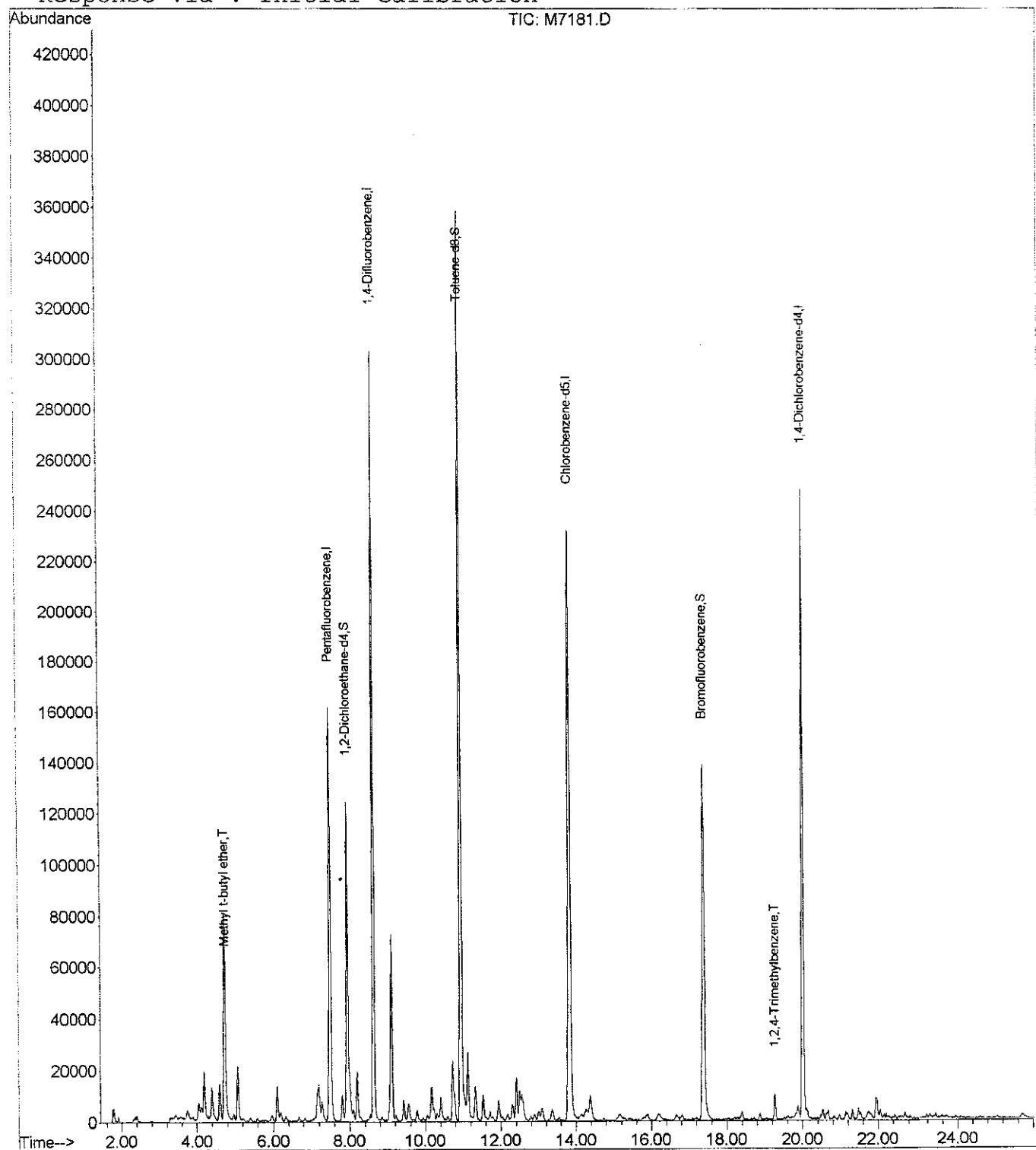
Quantitation Report

Data File : D:\M\DATA\JUL06\M0728\M7181.D
 Acq On : 28 Jul 2006 14:09
 Sample : 0607115
 Misc : WATER 2903 05-DP8 A (A)
 MS Integration Params: rteint.p
 Quant Time: Jul 31 10:34 2006

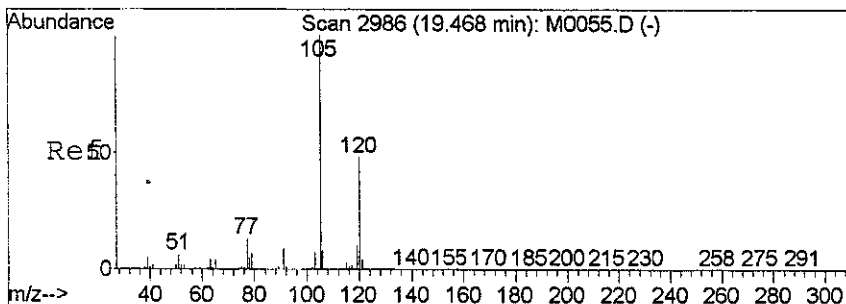
Vial: 5
 Operator:
 Inst : GC/MS Ins
 Multiplr: 1.00

Quant Results File: VM8A0703.R

Method : D:\M\METHODS\VM8A0703.M (RTE Integrator)
 Title : VOA 8260 METHOD
 Last Update : Mon Jul 03 13:08:12 2006
 Response via : Initial Calibration

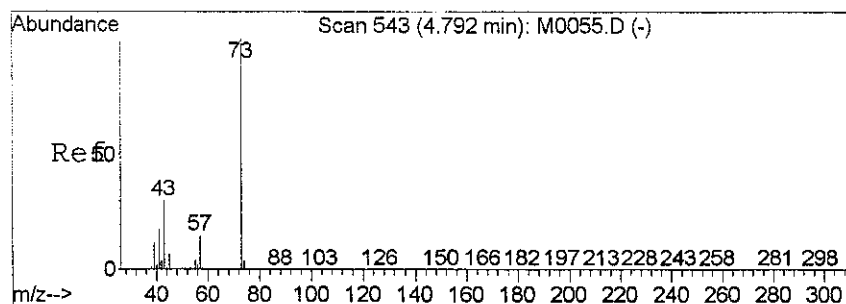
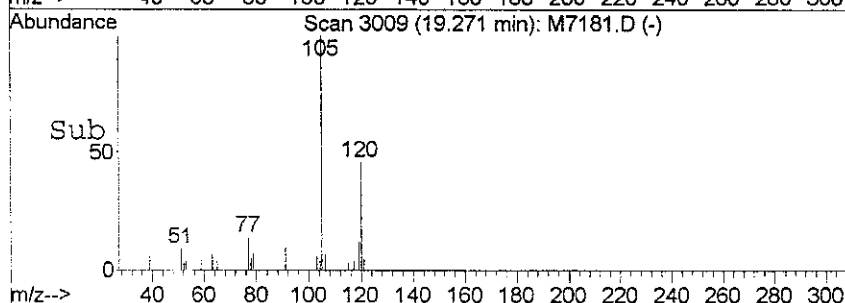
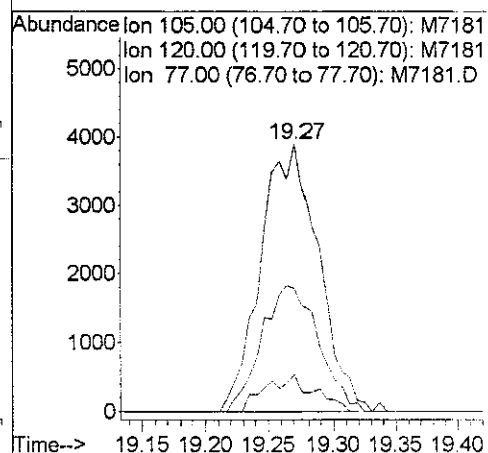
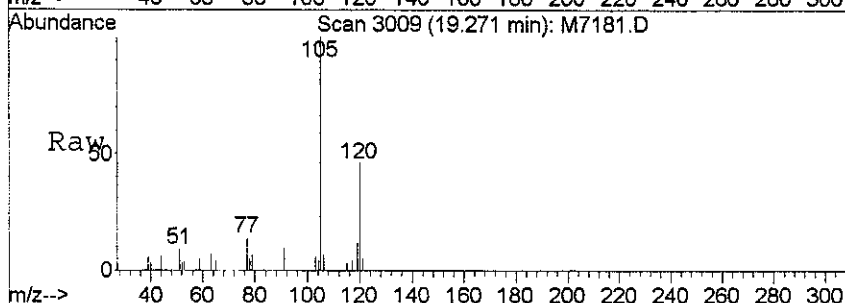


V-107



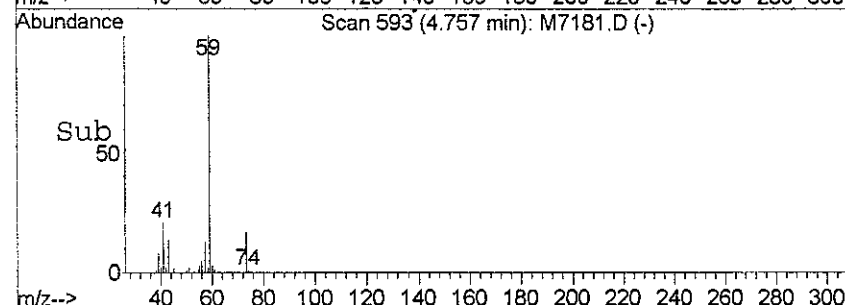
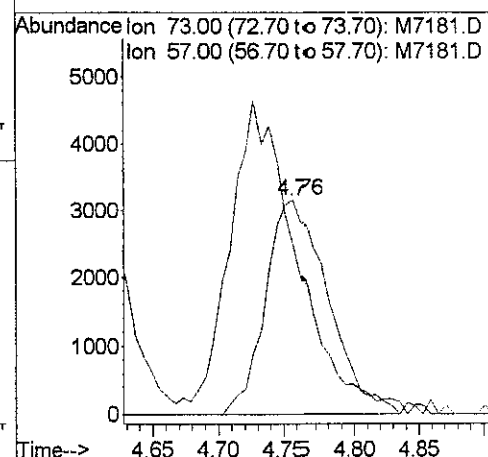
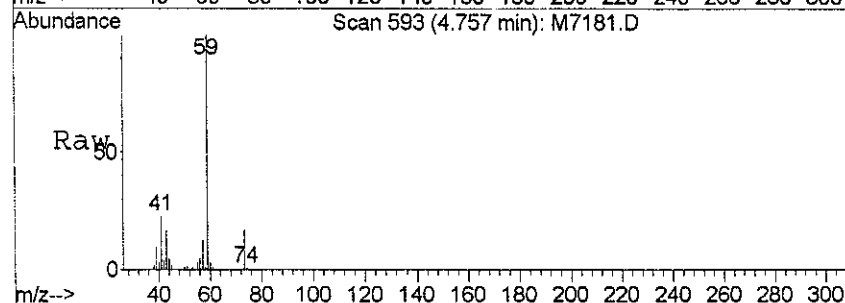
#65
1,2,4-Trimethylbenzene
Concen: 1.46 ug/l
RT: 19.27 min Scan# 3009
Delta R.T. 0.05 min
Lab File: M7181.D
Acq: 28 Jul 2006 14:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	30.8	70.8
77	14.0	0.0	32.6



#77
Methyl t-butyl ether
Concen: 1.68 ug/l
RT: 4.76 min Scan# 593
Delta R.T. 0.02 min
Lab File: M7181.D
Acq: 28 Jul 2006 14:09

Tgt Ion	Ratio	Lower	Upper
73	100		
57	78.8	6.1	46.1



V-108

Data File : D:\M\DATA\JUL06\M0728\M7181.D
Acq On : 28 Jul 2006 14:09
Sample : 0607115
Misc : WATER 2903 05-DP8 A
MS Integration Params: rteint.p
Quant Time: Jul 31 10:34 2006

Vial: 5
Operator:
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: VM8A0703.RES

Quant Method : D:\M\METHODS\VM8A0703.M (RTE Integrator)
Title : VOA 8260 METHOD
Last Update : Mon Jul 03 13:08:12 2006
Response via : Initial Calibration
DataAcq Meth : VM8A0703

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.49	168	163804	50.00	ug/l	0.04
24) 1,4-Difluorobenzene	8.62	114	376793	50.00	ug/l	0.03
43) Chlorobenzene-d5	13.82	117	327643	50.00	ug/l	0.05
55) 1,4-Dichlorobenzene-d4	20.00	152	123232	50.00	ug/l	0.04

System Monitoring Compounds

25) 1,2-Dichloroethane-d4	7.94	65	123061	45.93	ug/l	0.03
Spiked Amount 50.000	Range	76 - 114	Recovery	=	91.86%	
36) Toluene-d8	10.93	98	393084	48.42	ug/l	0.03
Spiked Amount 50.000	Range	88 - 110	Recovery	=	96.84%	
42) Bromofluorobenzene	17.38	95	138636	45.98	ug/l	0.06
Spiked Amount 50.000	Range	86 - 115	Recovery	=	91.96%	

Target Compounds

65) 1,2,4-Trimethylbenzene	19.27	105	12093	1.46	ug/l	Qvalue 93
77) Methyl t-butyl ether	4.76	73	9799	1.68	ug/l	# 1

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

M7181.D VM8A0703.M Mon Aug 07 15:44:11 2006

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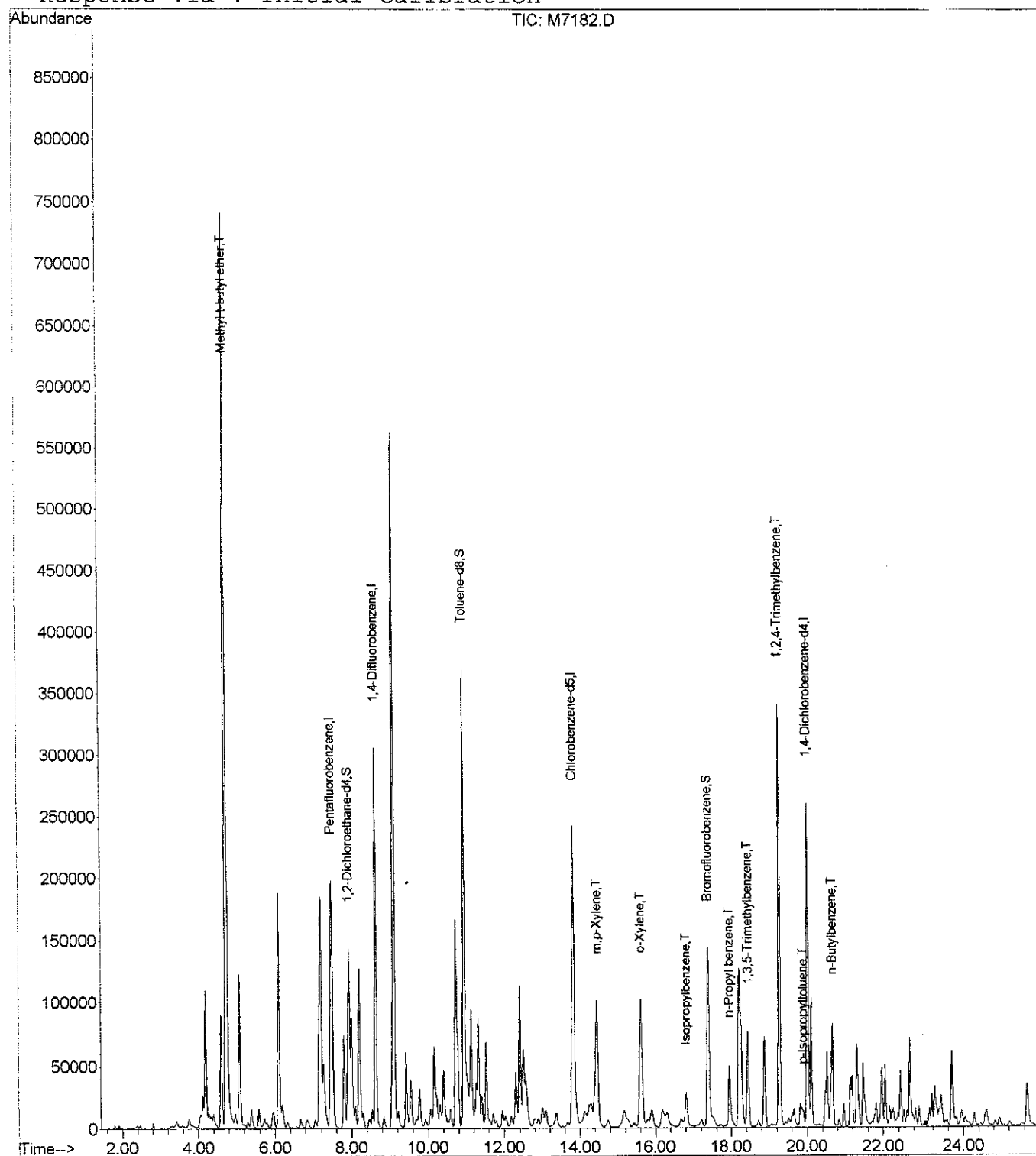
Quantitation Report

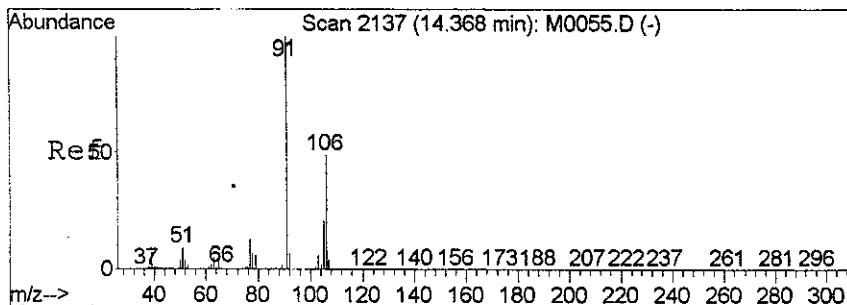
Data File : D:\M\DATA\JUL06\M0728\M7182.D
Acq On : 28 Jul 2006 14:41
Sample : 0607116
Misc : WATER 2903 05-DP6 A[Ⓢ]
MS Integration Params: rteint.p
Quant Time: Jul 31 10:35 2006

Vial: 7
Operator:
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: VM8A0703.R

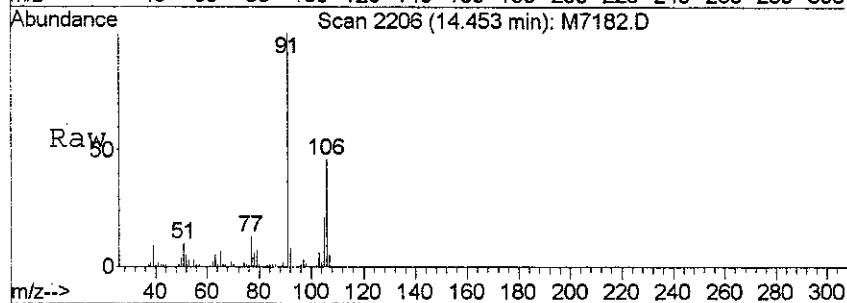
Method : D:\M\METHODS\VM8A0703.M (RTE Integrator)
Title : VOA 8260 METHOD
Last Update : Mon Jul 03 13:08:12 2006
Response via : Initial Calibration



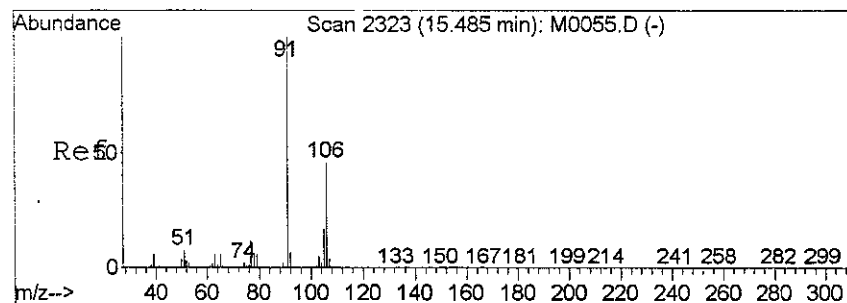
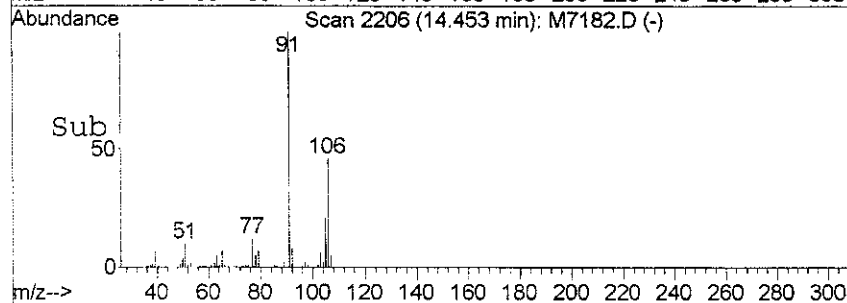
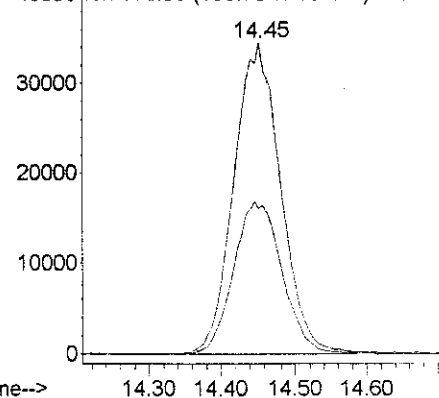


#51
m,p-Xylene
Concen: 16.71 ug/l
RT: 14.45 min Scan# 2206
Delta R.T. 0.07 min
Lab File: M7182.D
Acq: 28 Jul 2006 14:41

Tgt Ion: 91 Resp: 150936
Ion Ratio Lower Upper
91 100
106 46.5 31.3 71.3

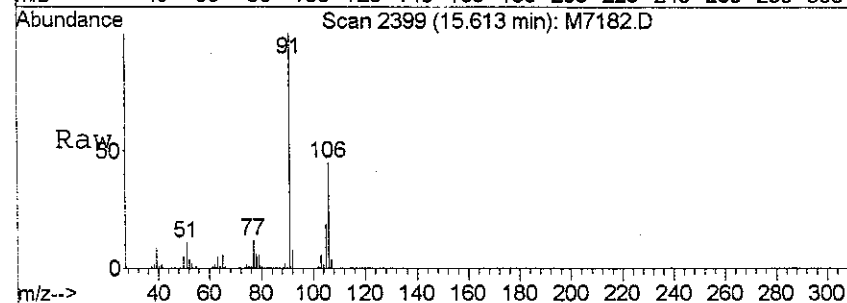


Abundance Ion 91.00 (90.70 to 91.70): M7182.D
40000 Ion 106.00 (105.70 to 106.70): M7182.D

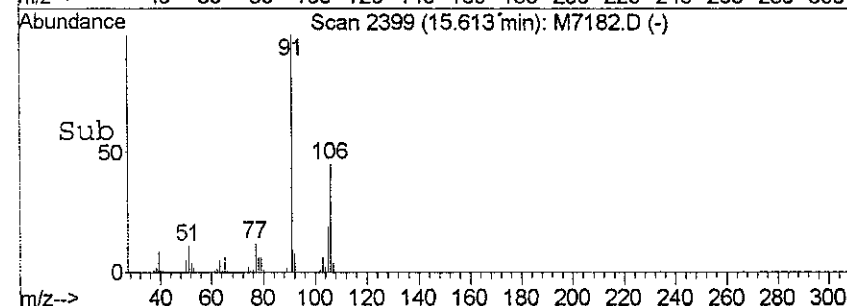
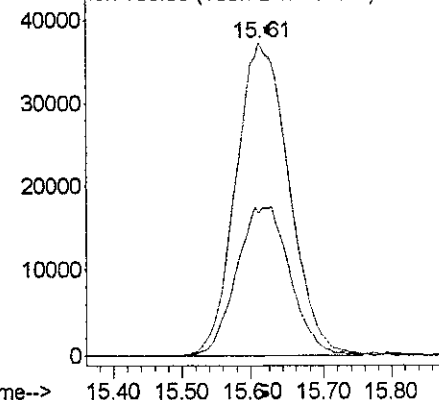


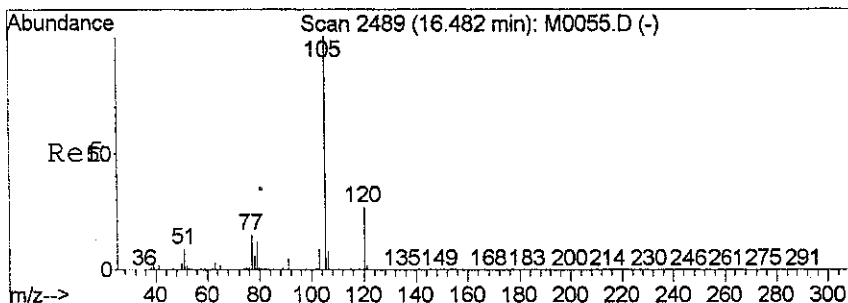
#52
o-Xylene
Concen: 20.86 ug/l
RT: 15.61 min Scan# 2399
Delta R.T. 0.06 min
Lab File: M7182.D
Acq: 28 Jul 2006 14:41

Tgt Ion: 91 Resp: 186688
Ion Ratio Lower Upper
91 100
106 44.9 27.8 67.8



Abundance Ion 91.00 (90.70 to 91.70): M7182.D
40000 Ion 106.00 (105.70 to 106.70): M7182.D





#56

Isopropylbenzene

Concen: 5.10 ug/l

RT: 16.81 min Scan# 2599

Delta R.T. 0.06 min

Lab File: M7182.D

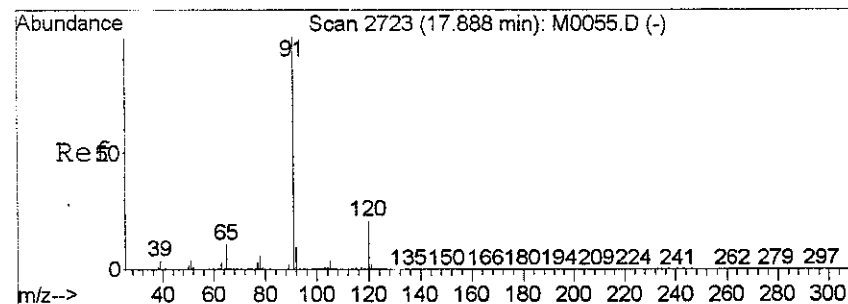
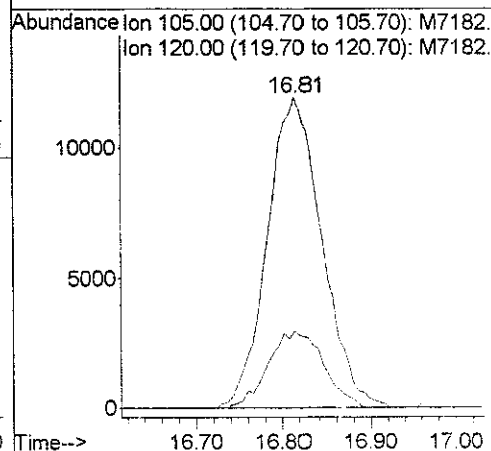
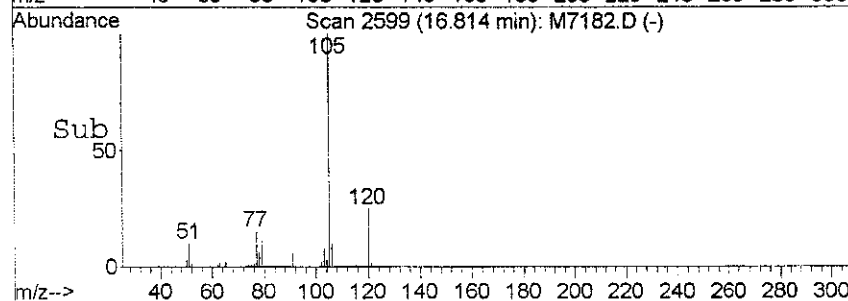
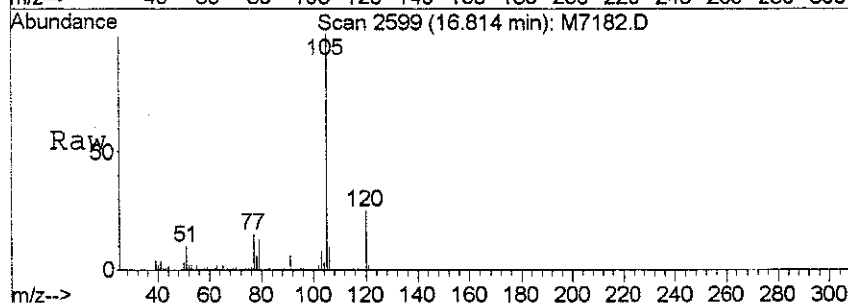
Acq: 28 Jul 2006 14:41

Tgt Ion: 105 Resp: 50713

Ion Ratio Lower Upper

105 100

120 25.0 7.0 47.0



#59

n-Propyl benzene

Concen: 6.57 ug/l

RT: 17.96 min Scan# 2790

Delta R.T. 0.05 min

Lab File: M7182.D

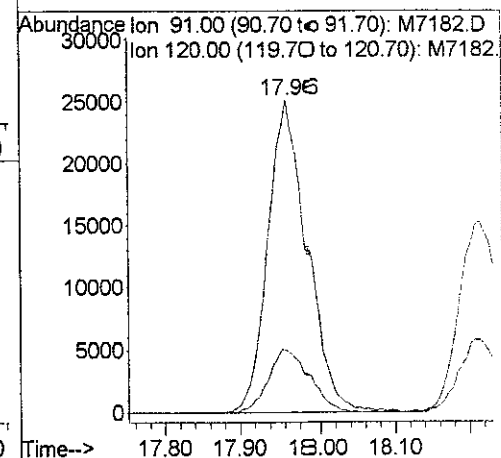
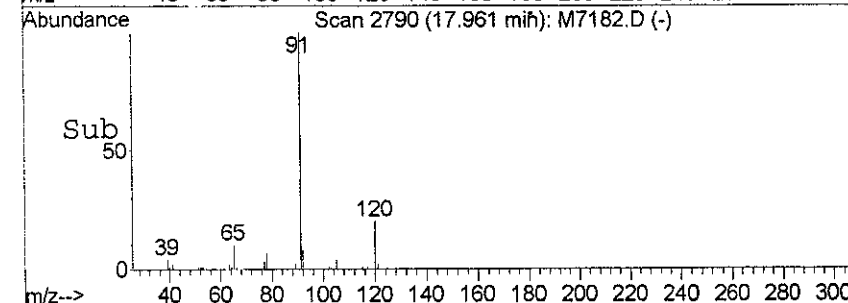
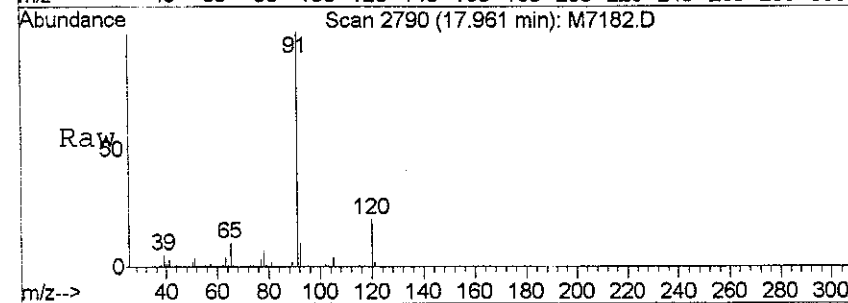
Acq: 28 Jul 2006 14:41

Tgt Ion: 91 Resp: 85636

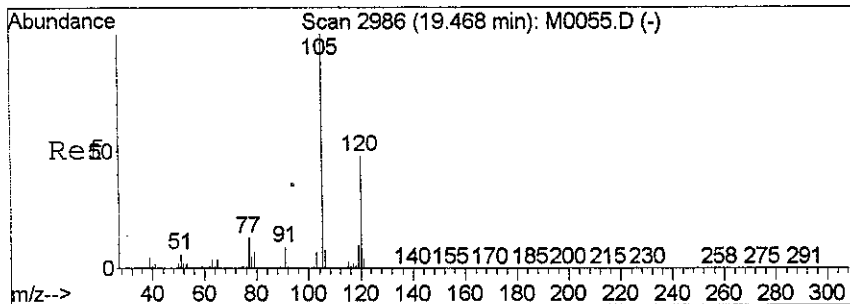
Ion Ratio Lower Upper

91 100

120 19.9 0.7 40.7

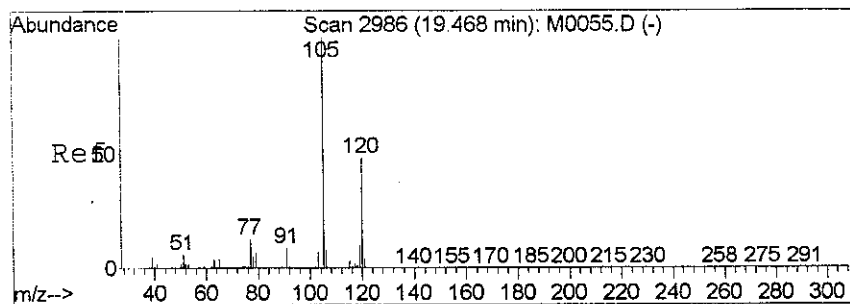
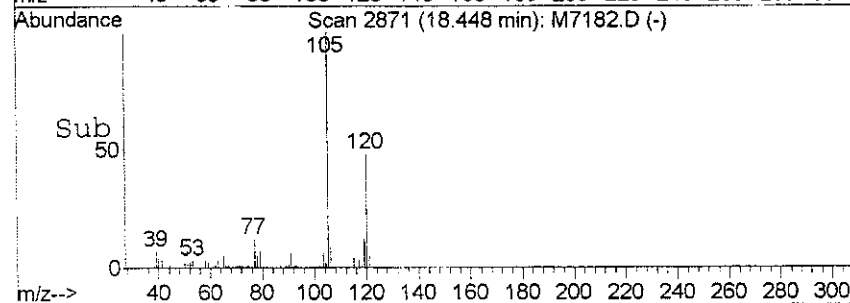
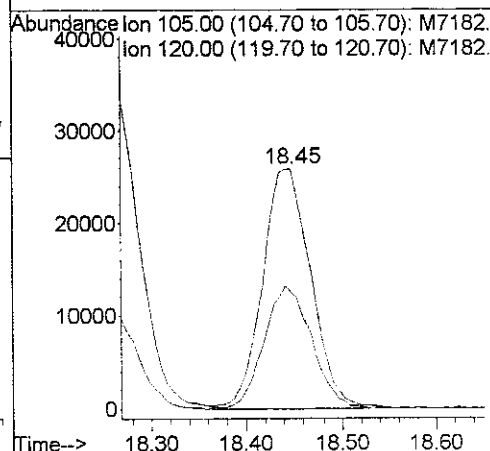
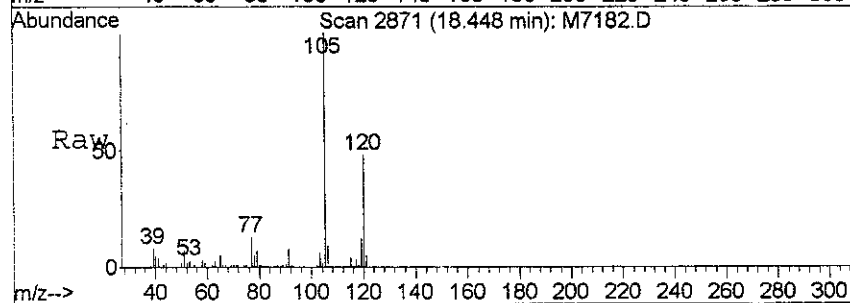


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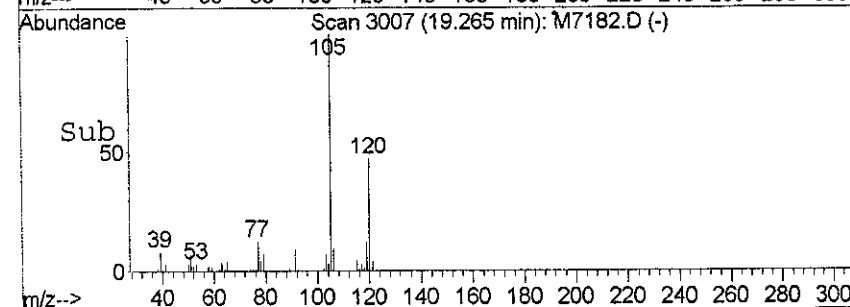
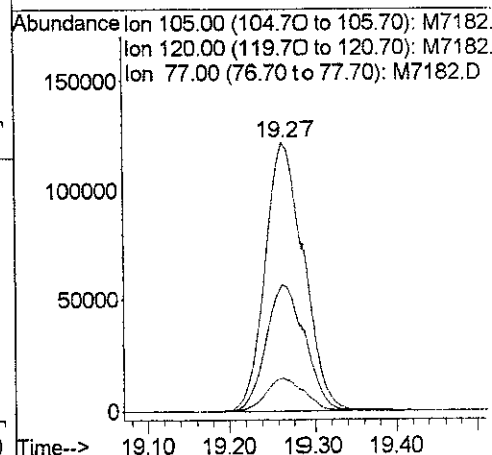
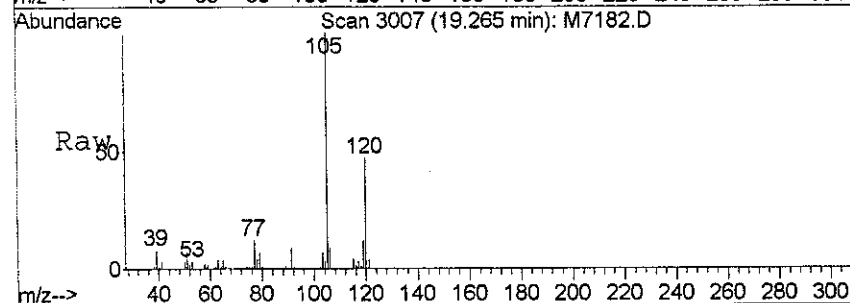
#61
 1,3,5-Trimethylbenzene
 Concen: 10.86 ug/l
 RT: 18.45 min Scan# 2871
 Delta R.T. 0.05 min
 Lab File: M7182.D
 Acq: 28 Jul 2006 14:41

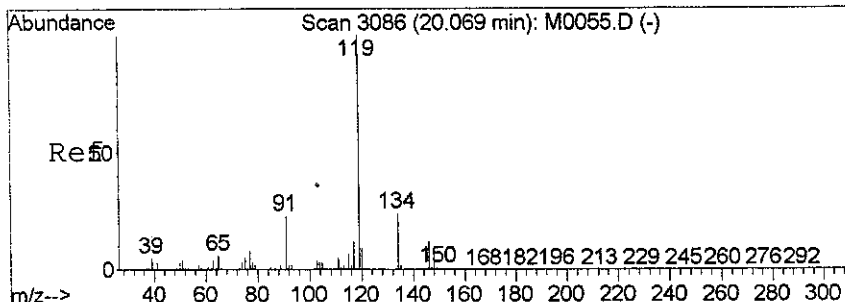
Tgt Ion: 105 Resp: 89733
 Ion Ratio Lower Upper
 105 100
 120 48.3 33.8 73.8



#65
 1,2,4-Trimethylbenzene
 Concen: 44.83 ug/l
 RT: 19.27 min Scan# 3007
 Delta R.T. 0.04 min
 Lab File: M7182.D
 Acq: 28 Jul 2006 14:41

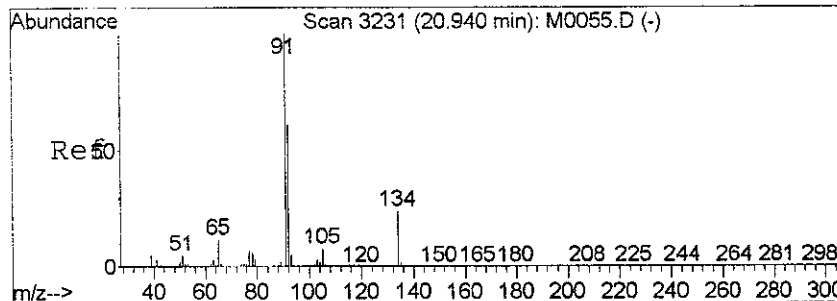
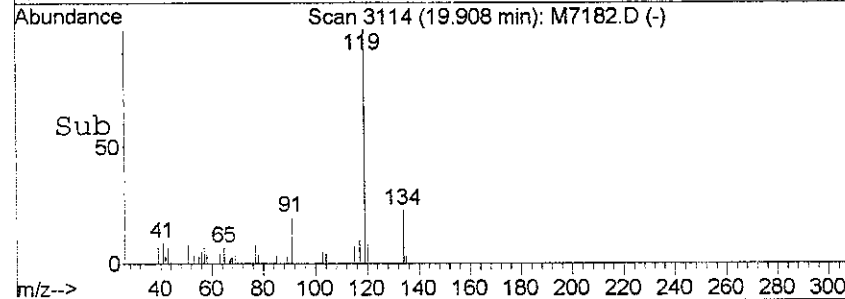
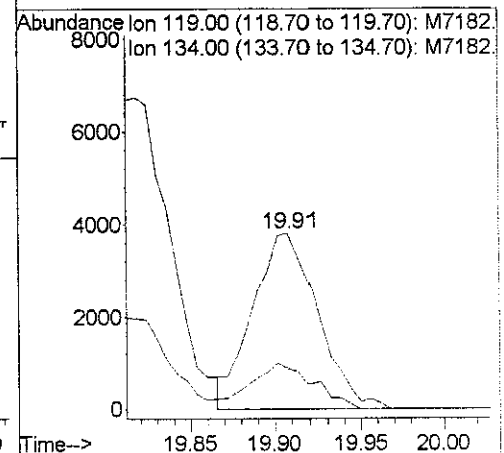
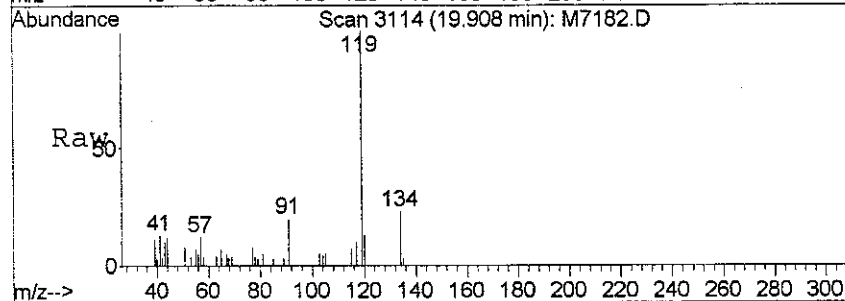
Tgt Ion: 105 Resp: 376448
 Ion Ratio Lower Upper
 105 100
 120 46.5 30.8 70.8
 77 12.2 0.0 32.6





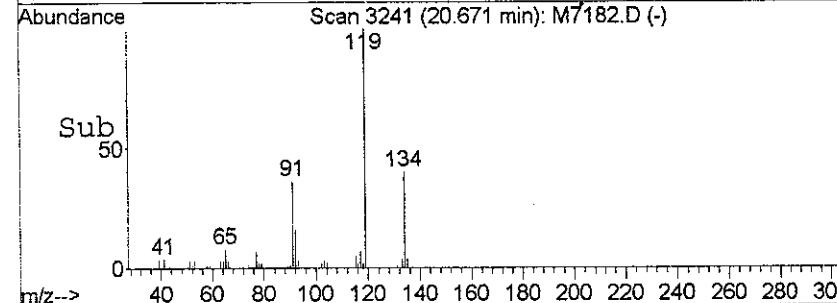
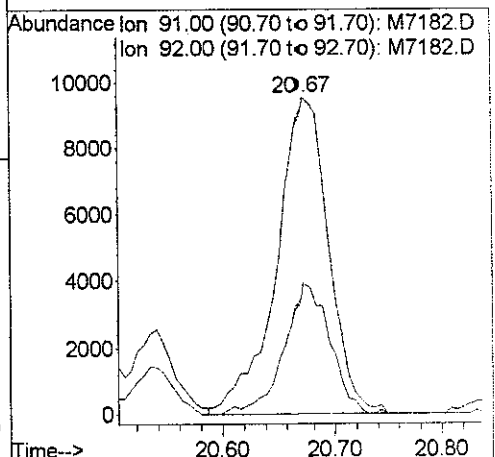
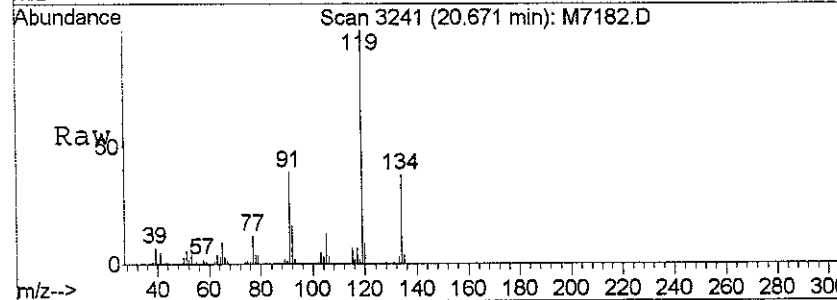
#67
 p-Isopropyltoluene
 Concen: 1.08 ug/l
 RT: 19.91 min Scan# 3114
 Delta R.T. 0.04 min
 Lab File: M7182.D
 Acq: 28 Jul 2006 14:41

Tgt Ion: 119 Resp: 10007
 Ion Ratio Lower Upper
 119 100
 134 23.2 7.0 47.0

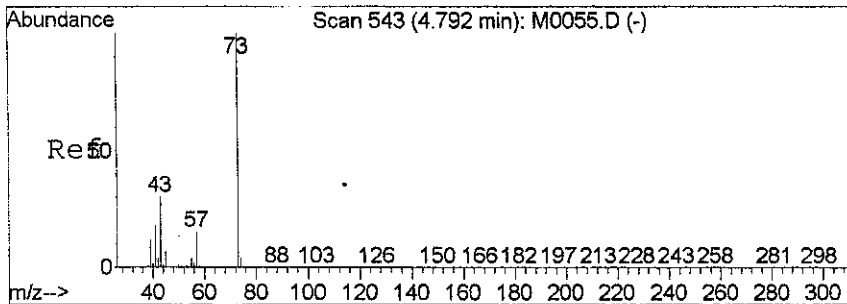


#70
 n-Butylbenzene
 Concen: 3.33 ug/l
 RT: 20.67 min Scan# 3241
 Delta R.T. 0.03 min
 Lab File: M7182.D
 Acq: 28 Jul 2006 14:41

Tgt Ion: 91 Resp: 29773
 Ion Ratio Lower Upper
 91 100
 92 41.0 40.3 80.3

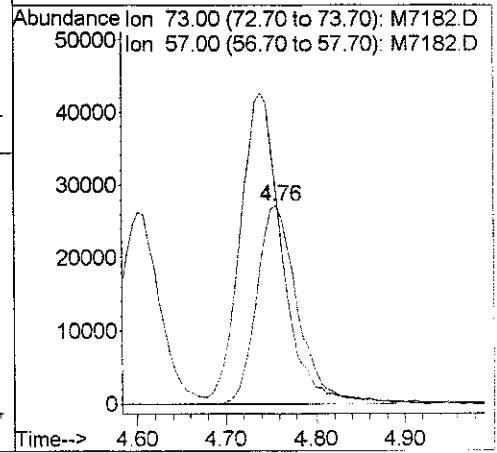
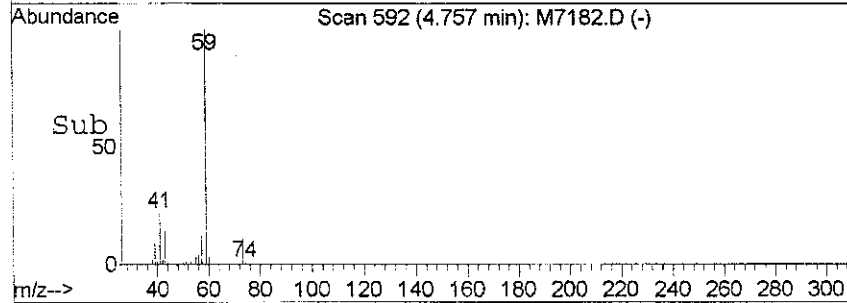
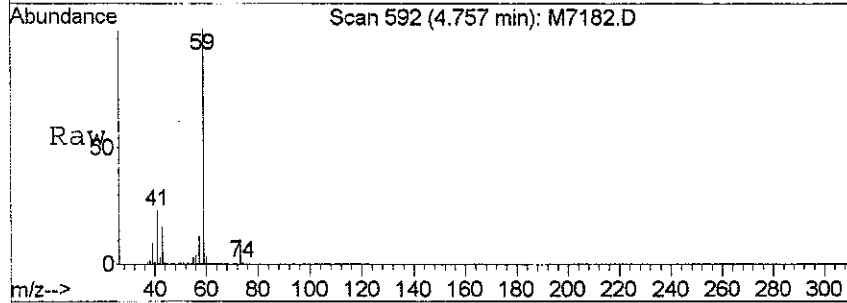


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#77
Methyl t-butyl ether
Concen: 14.54 ug/l
RT: 4.76 min Scan# 592
Delta R.T. 0.02 min
Lab File: M7182.D
Acq: 28 Jul 2006 14:41

Tgt Ion: 73 Resp: 86386
Ion Ratio Lower Upper
73 100
57 105.6 6.1 46.1#



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Data File : D:\M\DATA\JUL06\M0728\M7182.D

Vial: 7

Acq On : 28 Jul 2006 14:41

Operator:

Sample : 0607116

Inst : GC/MS Ins

Misc : WATER 2903 05-DP6 A (10)

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Jul 31 10:35 2006

Quant Results File: VM8A0703.RES

Quant Method : D:\M\METHODS\VM8A0703.M (RTE Integrator)

Title : VOA 8260 METHOD

Last Update : Mon Jul 03 13:08:12 2006

Response via : Initial Calibration

DataAcq Meth : VM8A0703

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.49	168	168002	50.00	ug/l	0.04
24) 1,4-Difluorobenzene	8.63	114	380921	50.00	ug/l	0.04
43) Chlorobenzene-d5	13.82	117	331054	50.00	ug/l	0.05
55) 1,4-Dichlorobenzene-d4	20.00	152	125351	50.00	ug/l	0.04

System Monitoring Compounds

25) 1,2-Dichloroethane-d4	7.94	65	122612	45.26	ug/l	0.03
Spiked Amount	50.000	Range 76 - 114	Recovery	=	90.52%	
36) Toluene-d8	10.94	98	396485	48.31	ug/l	0.04
Spiked Amount	50.000	Range 88 - 110	Recovery	=	96.62%	
42) Bromofluorobenzene	17.38	95	143969	47.23	ug/l	0.06
Spiked Amount	50.000	Range 86 - 115	Recovery	=	94.46%	

Target Compounds

						Qvalue
51) m,p-Xylene	14.45	91	150936	16.71	ug/l	93
52) o-Xylene	15.61	91	186688	20.86	ug/l	96
56) Isopropylbenzene	16.81	105	50713	5.10	ug/l	96
59) n-Propyl benzene	17.96	91	85636	6.57	ug/l	98
61) 1,3,5-Trimethylbenzene	18.45	105	89733	10.86	ug/l	92
65) 1,2,4-Trimethylbenzene	19.27	105	376448	44.83	ug/l	95
67) p-Isopropyltoluene	19.91	119	10007	1.08	ug/l	93
70) n-Butylbenzene	20.67	91	29773	3.33	ug/l	74
77) Methyl t-butyl ether	4.76	73	86386	14.54	ug/l #	1

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

M7182.D VM8A0703.M

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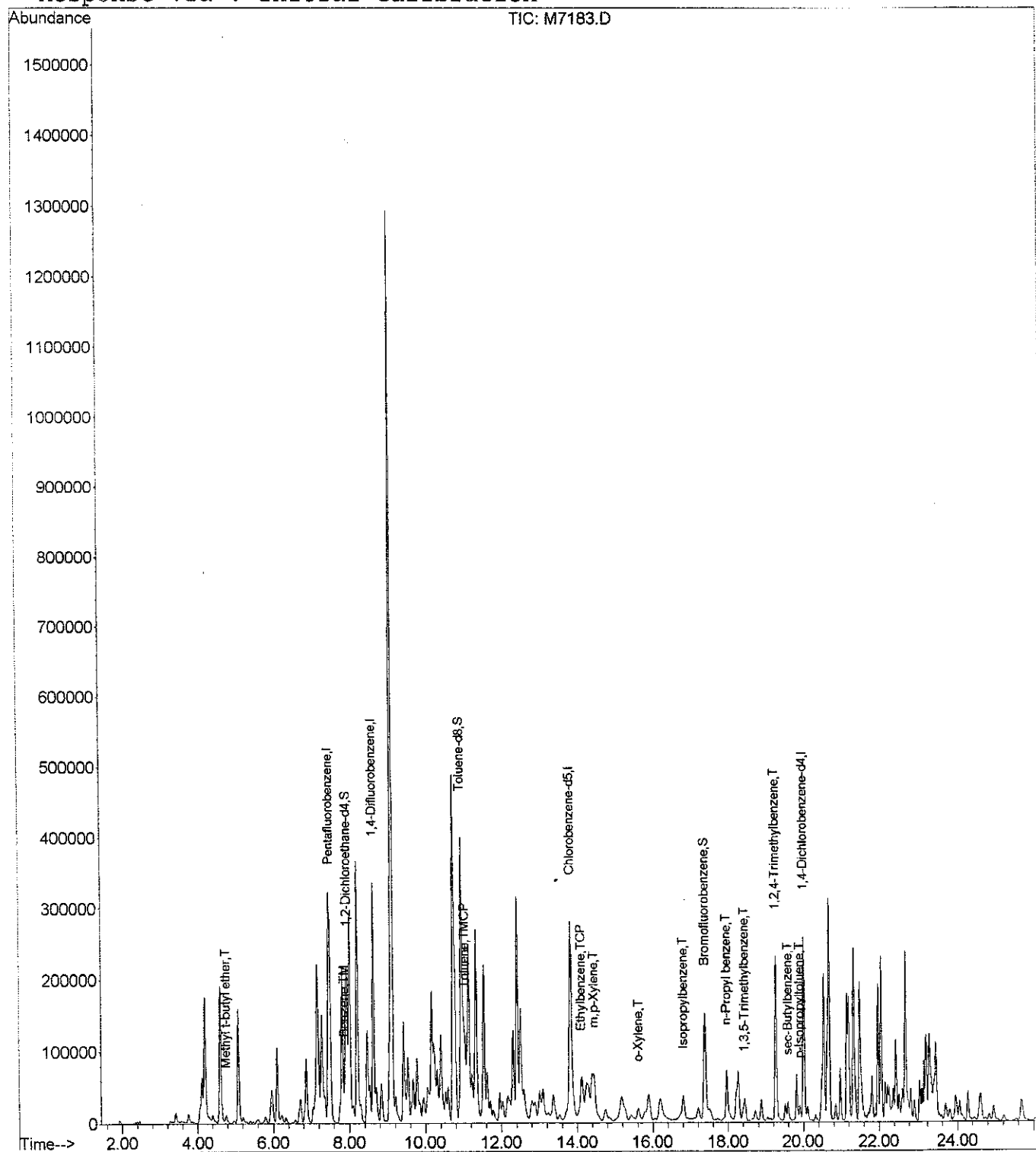
Quantitation Report

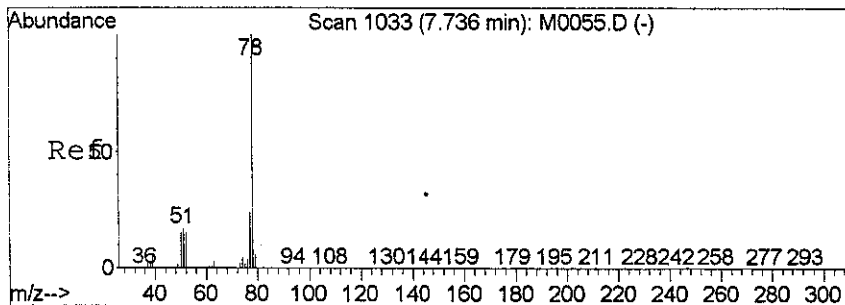
Data File : D:\M\DATA\JUL06\M0728\M7183.D
Acq On : 28 Jul 2006 15:14
Sample : 0607117
Misc : WATER 2903 05-DP5 A (P)
MS Integration Params: rteint.p
Quant Time: Jul 31 10:35 2006

Vial: 8
Operator:
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: VM8A0703.R

Method : D:\M\METHODS\VM8A0703.M (RTE Integrator)
Title : VOA 8260 METHOD
Last Update : Mon Jul 03 13:08:12 2006
Response via : Initial Calibration





#29

Benzene

Concen: 3.12 ug/l

RT: 7.87 min Scan# 1110

Delta R.T. 0.04 min

Lab File: M7183.D

Acq: 28 Jul 2006 15:14

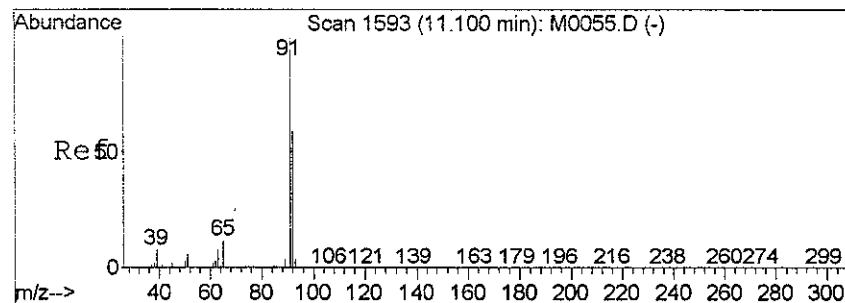
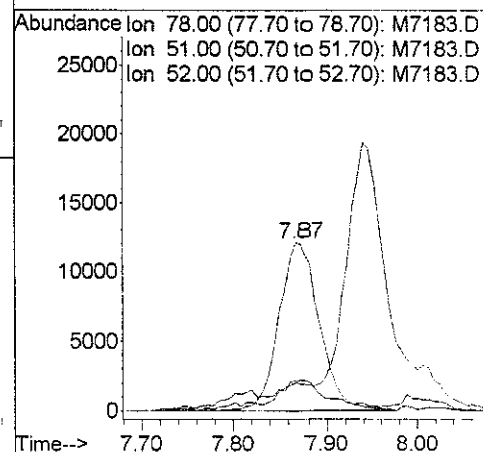
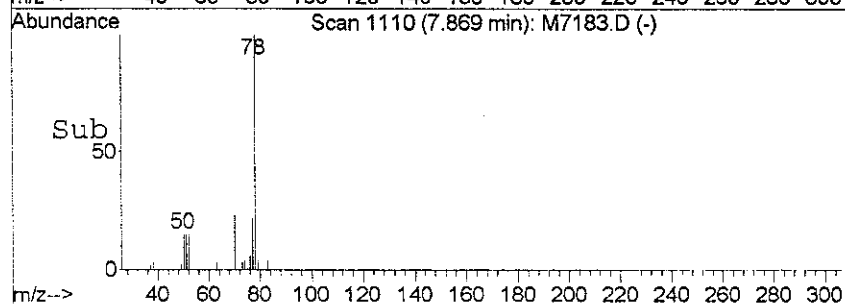
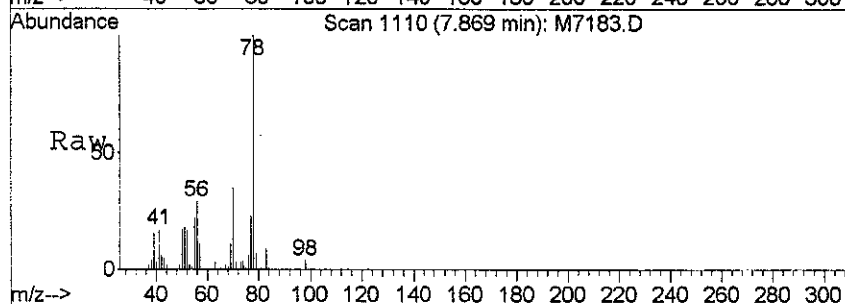
Tgt Ion: 78 Resp: 35579

Ion Ratio Lower Upper

78 100

51 17.8 0.0 35.1

52 16.6 0.0 36.3



#37

Toluene

Concen: 1.03 ug/l

RT: 11.05 min Scan# 1639

Delta R.T. 0.04 min

Lab File: M7183.D

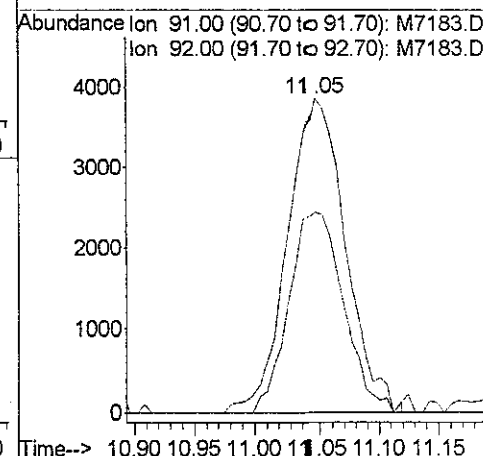
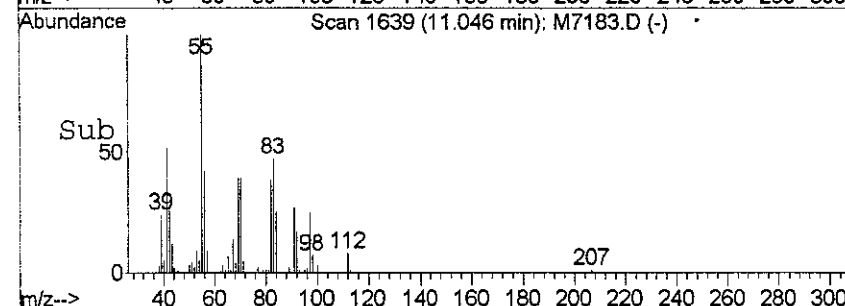
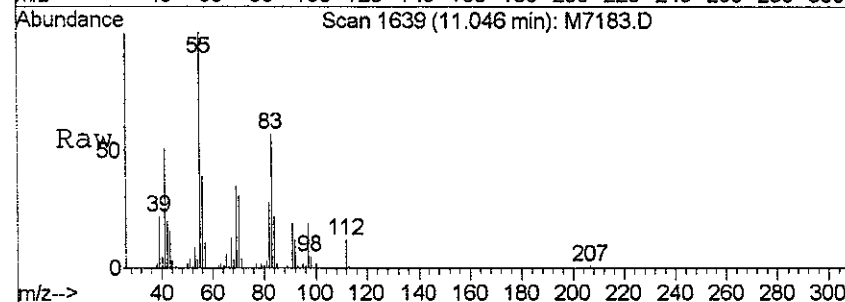
Acq: 28 Jul 2006 15:14

Tgt Ion: 91 Resp: 11984

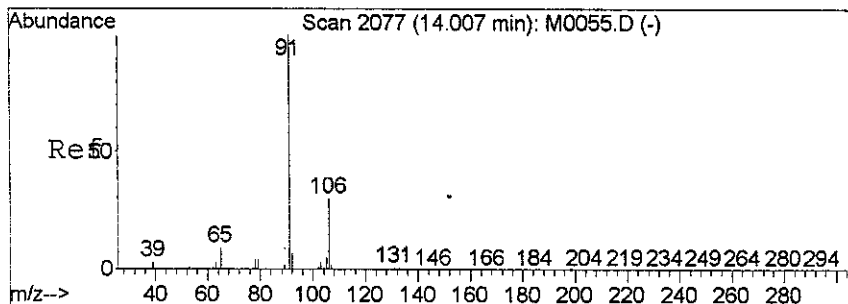
Ion Ratio Lower Upper

91 100

92 63.3 42.2 82.2

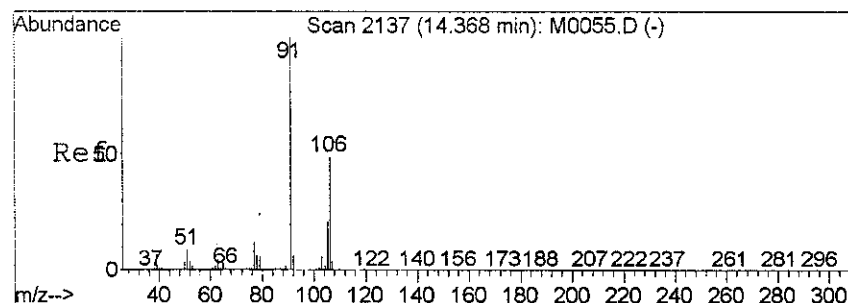
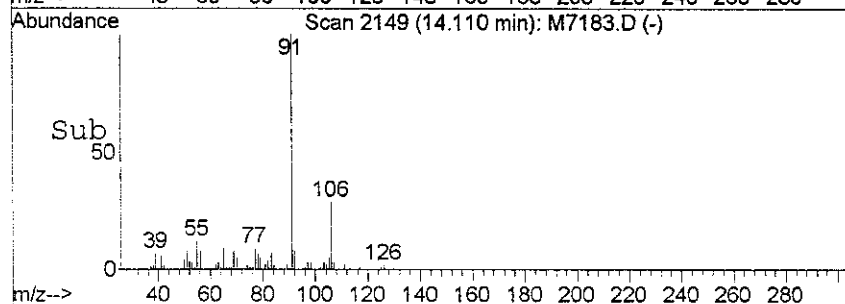
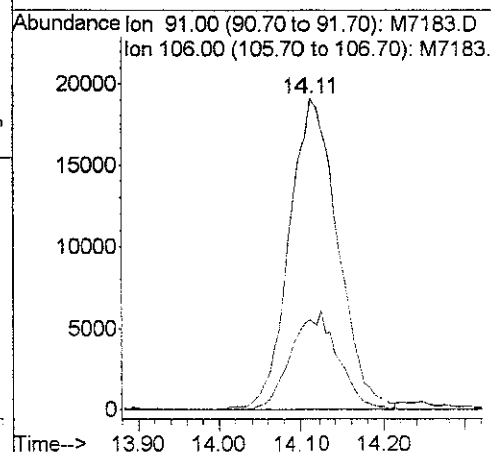
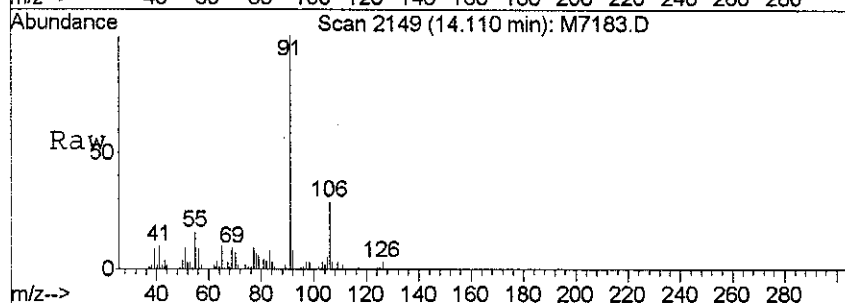


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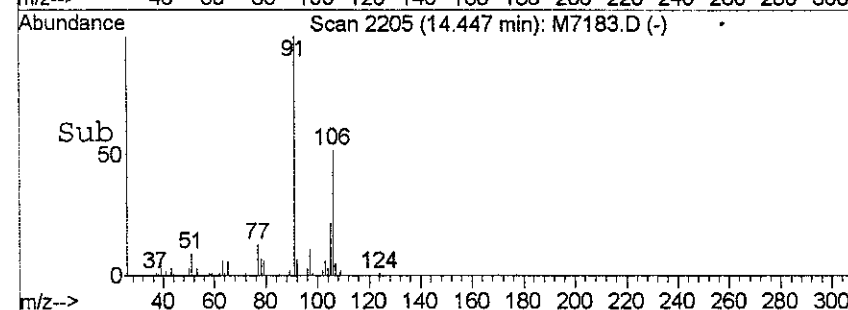
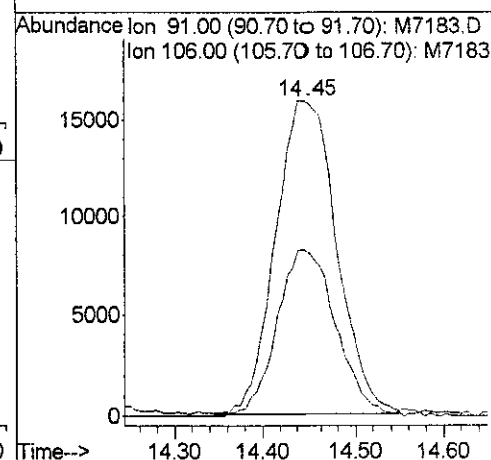
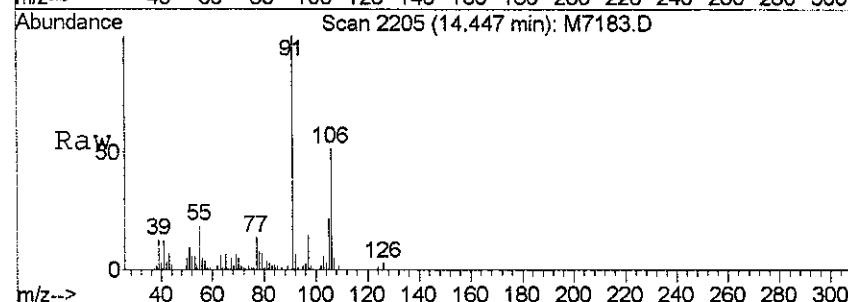
#48
Ethylbenzene
Concen: 5.91 ug/l
RT: 14.11 min Scan# 2149
Delta R.T. 0.05 min
Lab File: M7183.D
Acq: 28 Jul 2006 15:14

Tgt Ion: 91 Resp: 76751
Ion Ratio Lower Upper
91 100
106 28.9 9.3 49.3

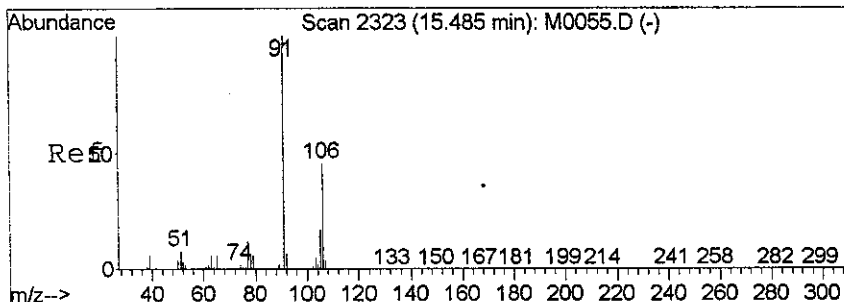


#51
m,p-Xylene
Concen: 7.47 ug/l
RT: 14.45 min Scan# 2205
Delta R.T. 0.06 min
Lab File: M7183.D
Acq: 28 Jul 2006 15:14

Tgt Ion: 91 Resp: 70777
Ion Ratio Lower Upper
91 100
106 51.8 31.3 71.3

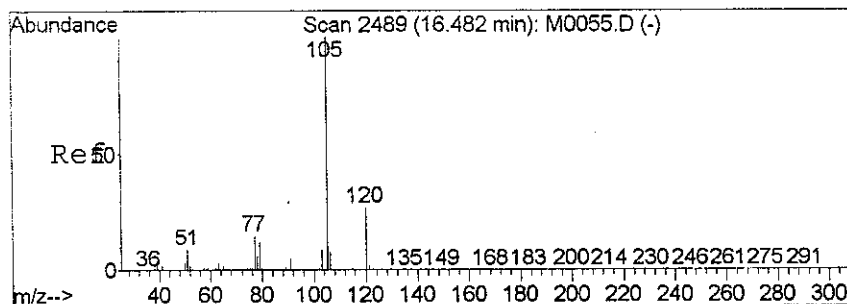
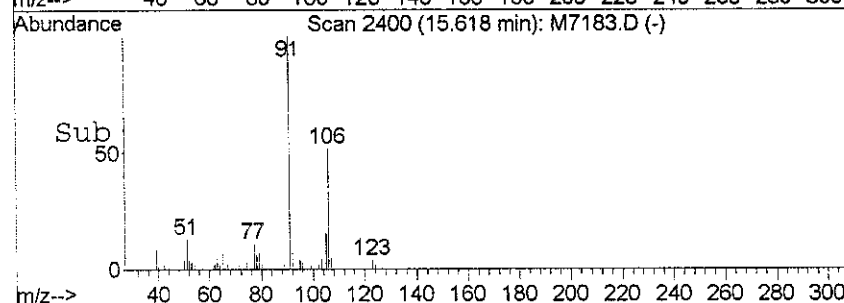
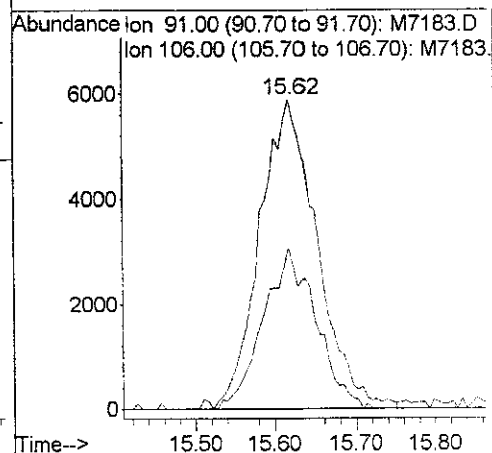
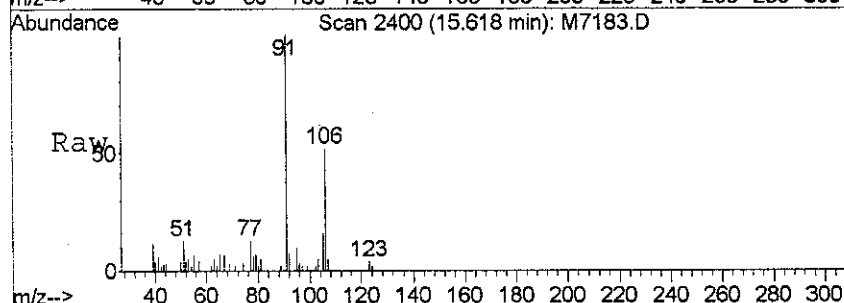


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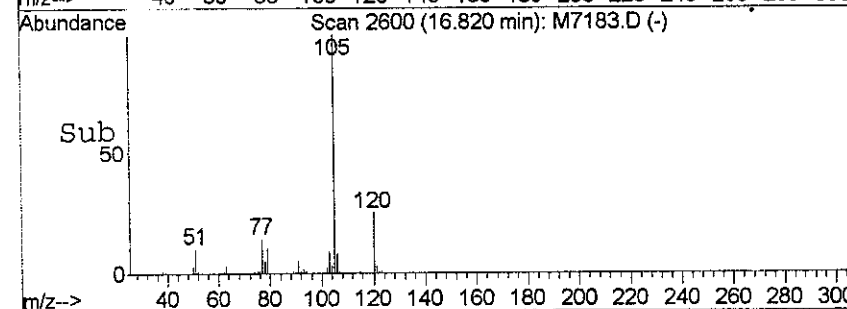
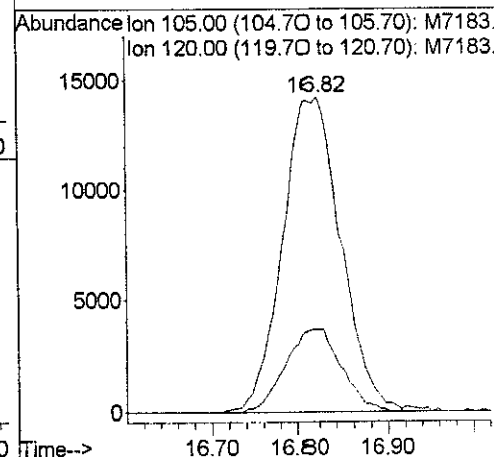
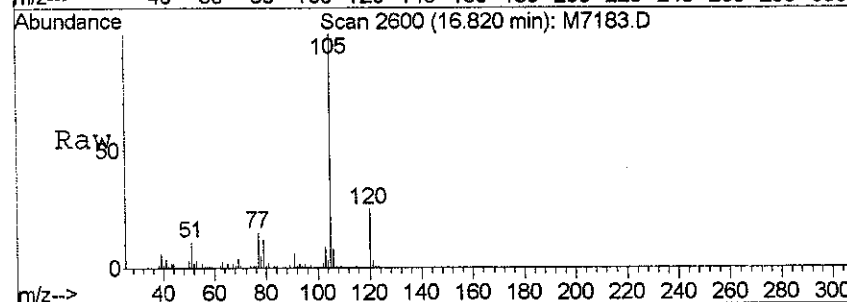
#52
o-Xylene
Concen: 3.08 ug/l
RT: 15.62 min Scan# 2400
Delta R.T. 0.07 min
Lab File: M7183.D
Acq: 28 Jul 2006 15:14

Tgt Ion: 91 Resp: 28915
Ion Ratio Lower Upper
91 100
106 52.4 27.8 67.8

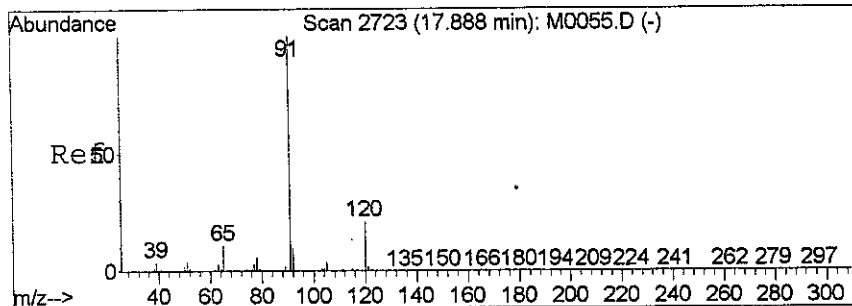


#56
Isopropylbenzene
Concen: 6.20 ug/l
RT: 16.82 min Scan# 2600
Delta R.T. 0.06 min
Lab File: M7183.D
Acq: 28 Jul 2006 15:14

Tgt Ion: 105 Resp: 62315
Ion Ratio Lower Upper
105 100
120 25.4 7.0 47.0



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#59

n-Propyl benzene

Concen: 9.59 ug/l

RT: 17.95 min Scan# 2789

Delta R.T. 0.04 min

Lab File: M7183.D

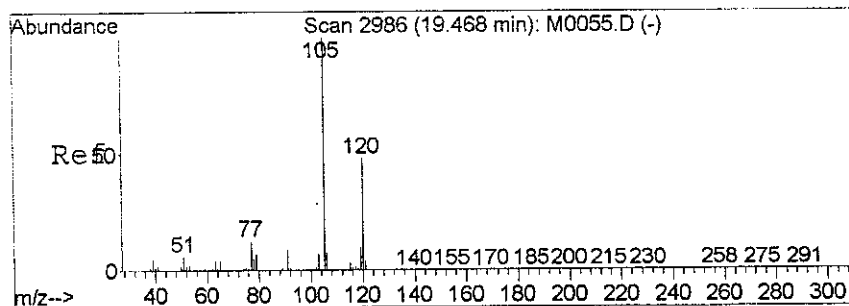
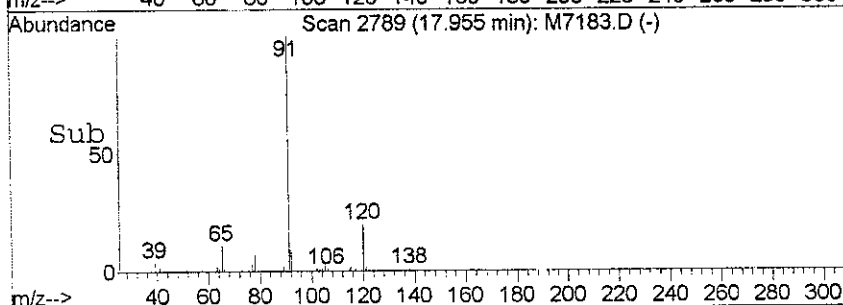
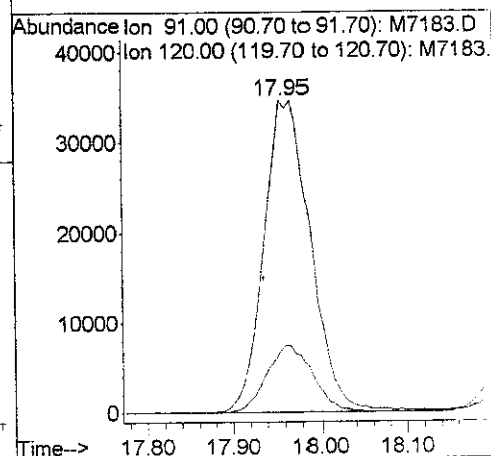
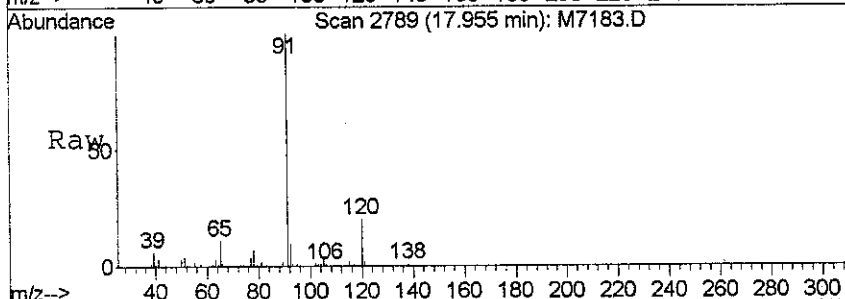
Acq: 28 Jul 2006 15:14

Tgt Ion: 91 Resp: 126285

Ion Ratio Lower Upper

91 100

120 19.7 0.7 40.7



#61

1,3,5-Trimethylbenzene

Concen: 3.84 ug/l

RT: 18.45 min Scan# 2871

Delta R.T. 0.05 min

Lab File: M7183.D

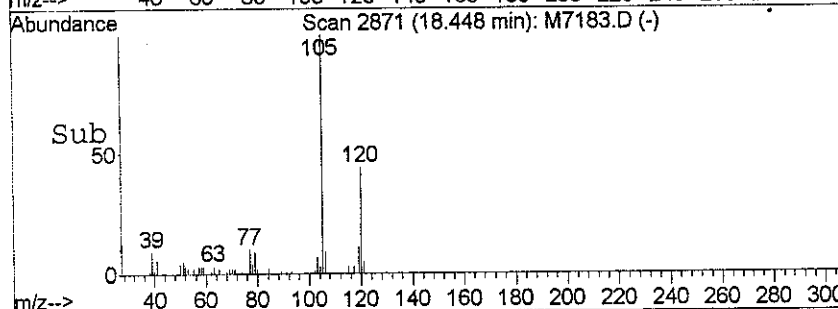
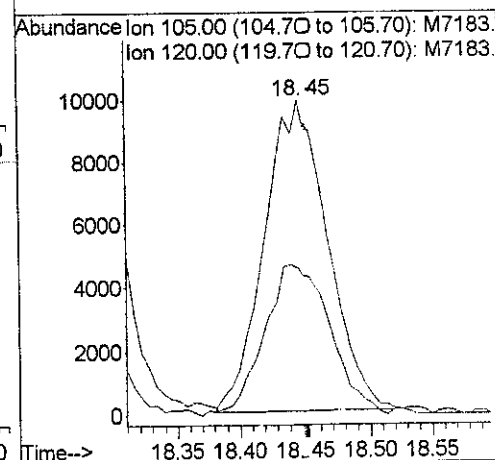
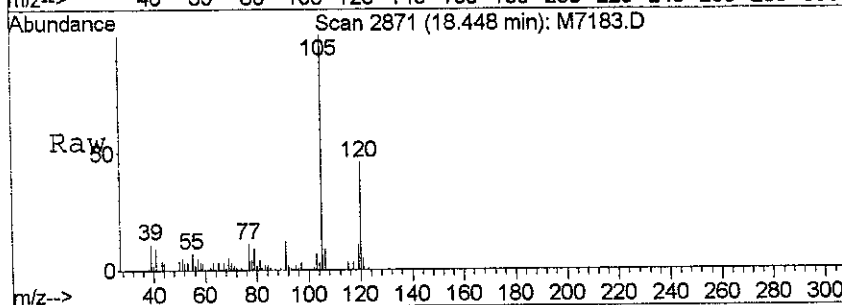
Acq: 28 Jul 2006 15:14

Tgt Ion: 105 Resp: 32058

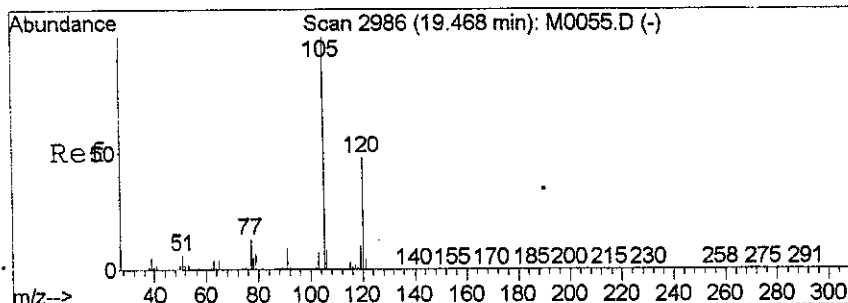
Ion Ratio Lower Upper

105 100

120 46.1 33.8 73.8



V-121



#65

1,2,4-Trimethylbenzene

Concen: 30.22 ug/l

RT: 19.26 min Scan# 3007

Delta R.T. 0.04 min

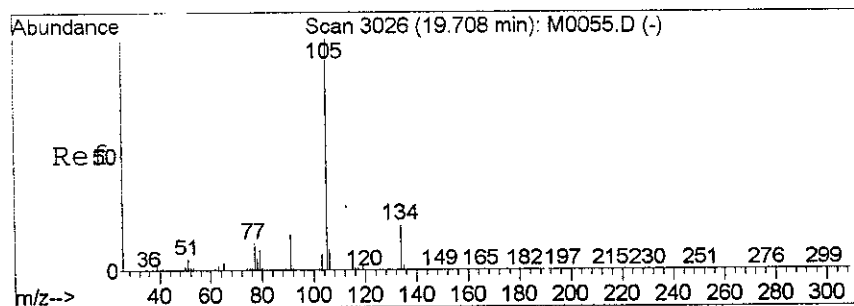
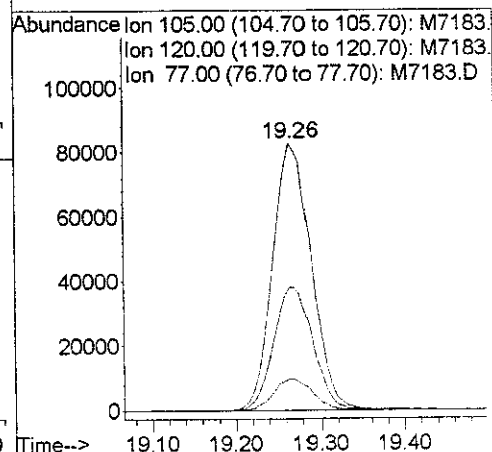
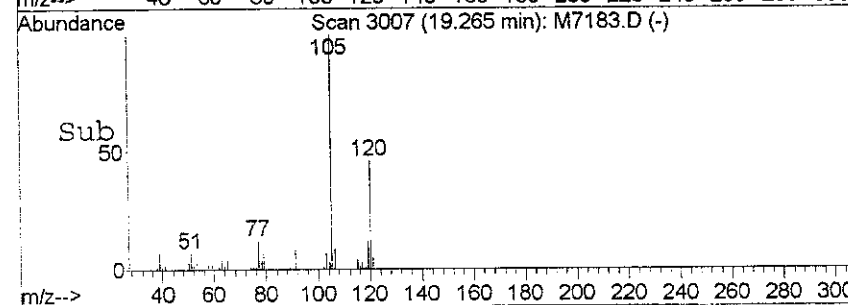
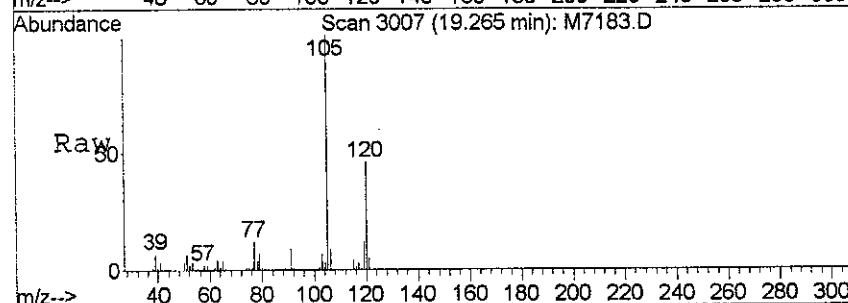
Lab File: M7183.D

Acq: 28 Jul 2006 15:14

Tgt Ion:105 Resp: 256248

Ion	Ratio	Lower	Upper
105	100		

120	45.7	30.8	70.8
77	11.9	0.0	32.6



#66

sec-Butylbenzene

Concen: 2.88 ug/l

RT: 19.59 min Scan# 3061

Delta R.T. 0.04 min

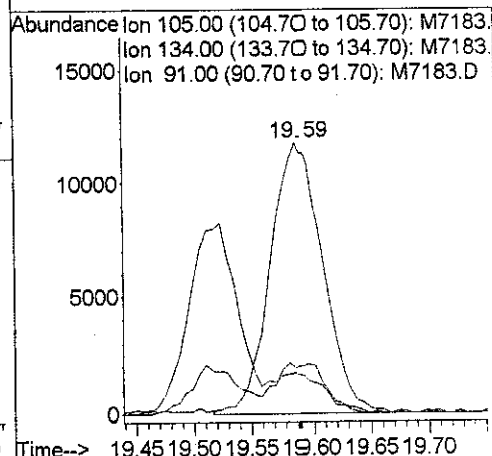
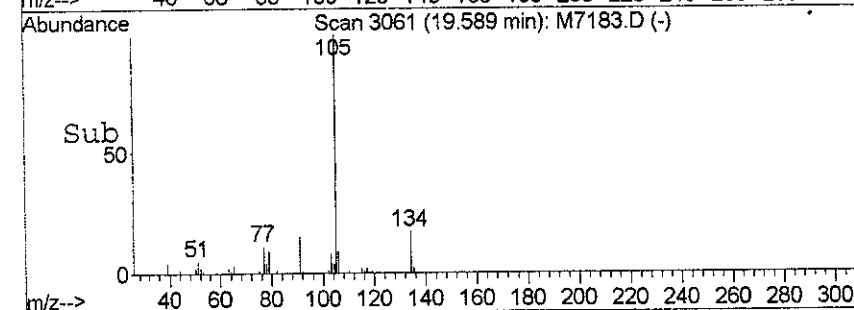
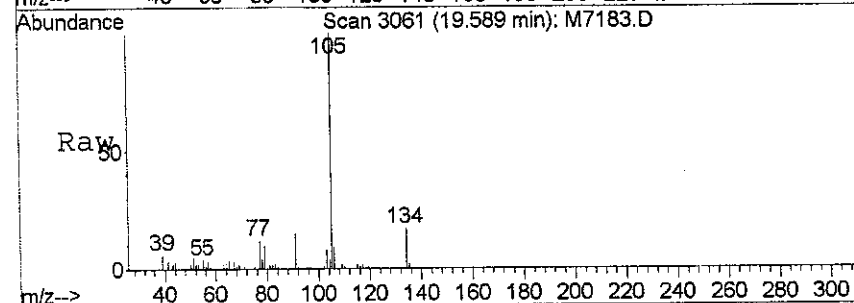
Lab File: M7183.D

Acq: 28 Jul 2006 15:14

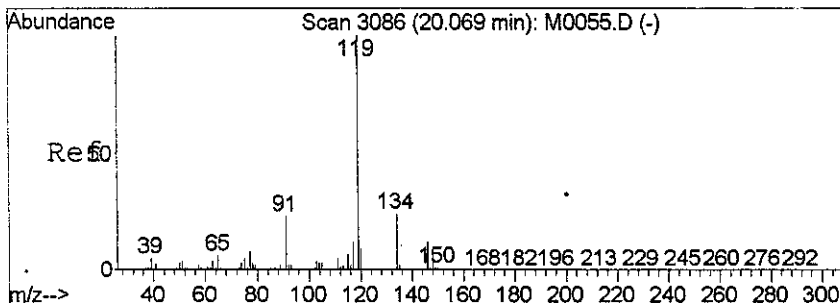
Tgt Ion:105 Resp: 34290

Ion	Ratio	Lower	Upper
105	100		

134	16.6	0.0	39.3
91	14.7	0.0	34.1



V-122



#67

p-Isopropyltoluene

Concen: 2.14 ug/l

RT: 19.91 min Scan# 3114

Delta R.T. 0.04 min

Lab File: M7183.D

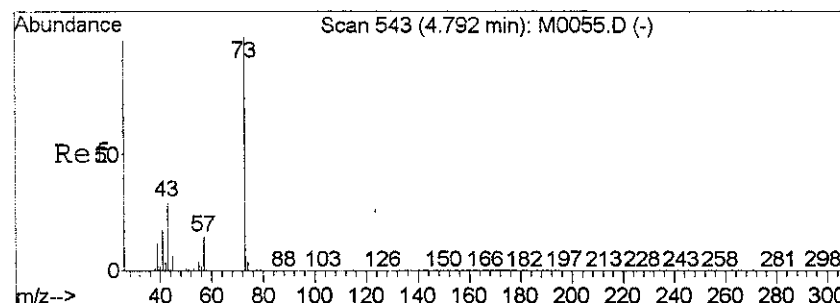
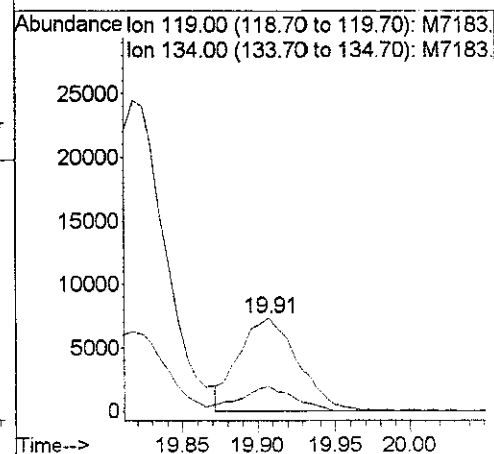
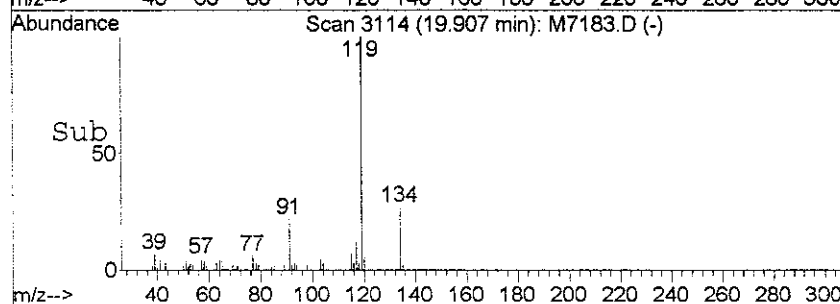
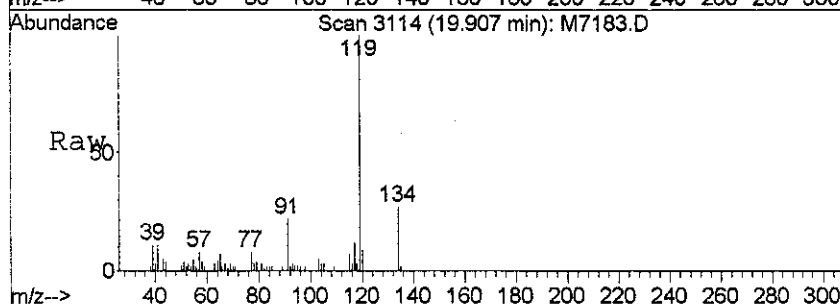
Acq: 28 Jul 2006 15:14

Tgt Ion: 119 Resp: 20072

Ion Ratio Lower Upper

119 100

134 26.9 7.0 47.0



#77

Methyl t-butyl ether

Concen: 1.99 ug/l

RT: 4.76 min Scan# 593

Delta R.T. 0.02 min

Lab File: M7183.D

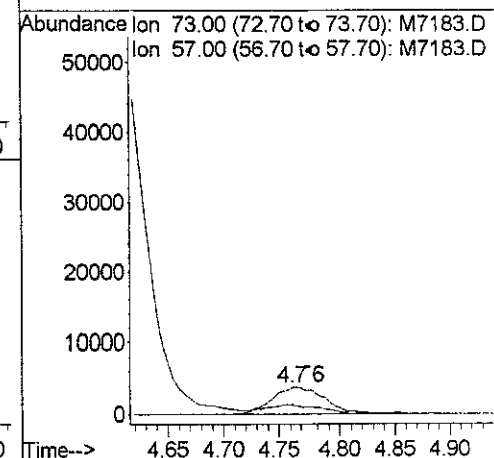
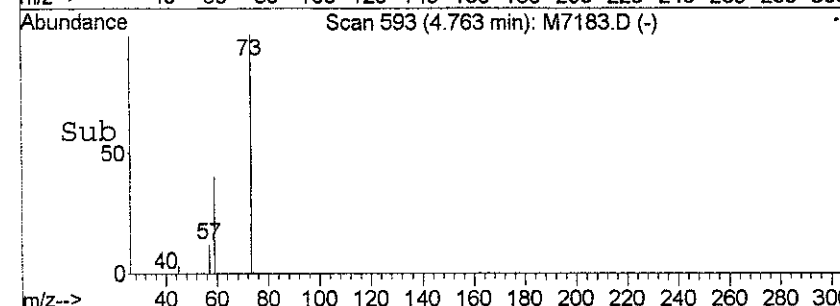
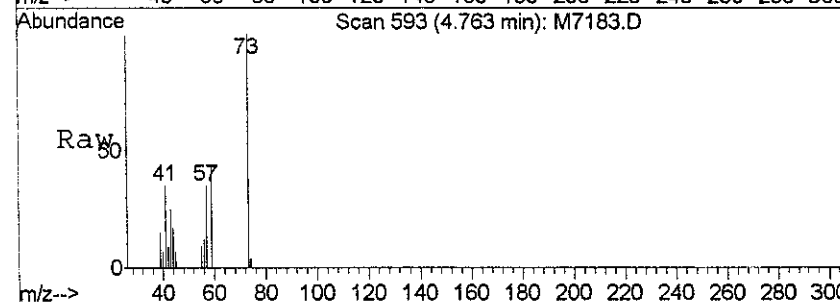
Acq: 28 Jul 2006 15:14

Tgt Ion: 73 Resp: 11923

Ion Ratio Lower Upper

73 100

57 34.8 6.1 46.1



V-123

Data File : D:\M\DATA\JUL06\M0728\M7183.D
Acq On : 28 Jul 2006 15:14
Sample : 0607117
Misc : WATER 2903 05-DP5 A (P)
MS Integration Params: rteint.p
Quant Time: Jul 31 10:35 2006

Vial: 8
Operator:
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: VM8A0703.RES

Quant Method : D:\M\METHODS\VM8A0703.M (RTE Integrator)
Title : VOA 8260 METHOD
Last Update : Mon Jul 03 13:08:12 2006
Response via : Initial Calibration
DataAcq Meth : VM8A0703

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.49	168	174958	50.00	ug/l	0.04
24) 1,4-Difluorobenzene	8.63	114	391294	50.00	ug/l	0.04
43) Chlorobenzene-d5	13.83	117	347167	50.00	ug/l	0.05
55) 1,4-Dichlorobenzene-d4	20.00	152	126564	50.00	ug/l	0.04

System Monitoring Compounds

25) 1,2-Dichloroethane-d4	7.94	65	135281	48.62	ug/l	0.03
Spiked Amount	50.000	Range	76 - 114	Recovery	=	97.24%
36) Toluene-d8	10.94	98	414176	49.13	ug/l	0.04
Spiked Amount	50.000	Range	88 - 110	Recovery	=	98.26%
42) Bromofluorobenzene	17.39	95	150573	48.09	ug/l	0.06
Spiked Amount	50.000	Range	86 - 115	Recovery	=	96.18%

Target Compounds

						Qvalue
29) Benzene	7.87	78	35579	3.12	ug/l	96
37) Toluene	11.05	91	11984	1.03	ug/l	99
48) Ethylbenzene	14.11	91	76751	5.91	ug/l	99
51) m,p-Xylene	14.45	91	70777	7.47	ug/l	99
52) o-Xylene	15.62	91	28915	3.08	ug/l	93
56) Isopropylbenzene	16.82	105	62315	6.20	ug/l	97
59) n-Propyl benzene	17.95	91	126285	9.59	ug/l	98
61) 1,3,5-Trimethylbenzene	18.45	105	32058	3.84	ug/l	89
65) 1,2,4-Trimethylbenzene	19.26	105	256248	30.22	ug/l	94
66) sec-Butylbenzene	19.59	105	34290	2.88	ug/l	96
67) p-Isopropyltoluene	19.91	119	20072	2.14	ug/l	100
77) Methyl t-butyl ether	4.76	73	11923	1.99	ug/l	83

V-124

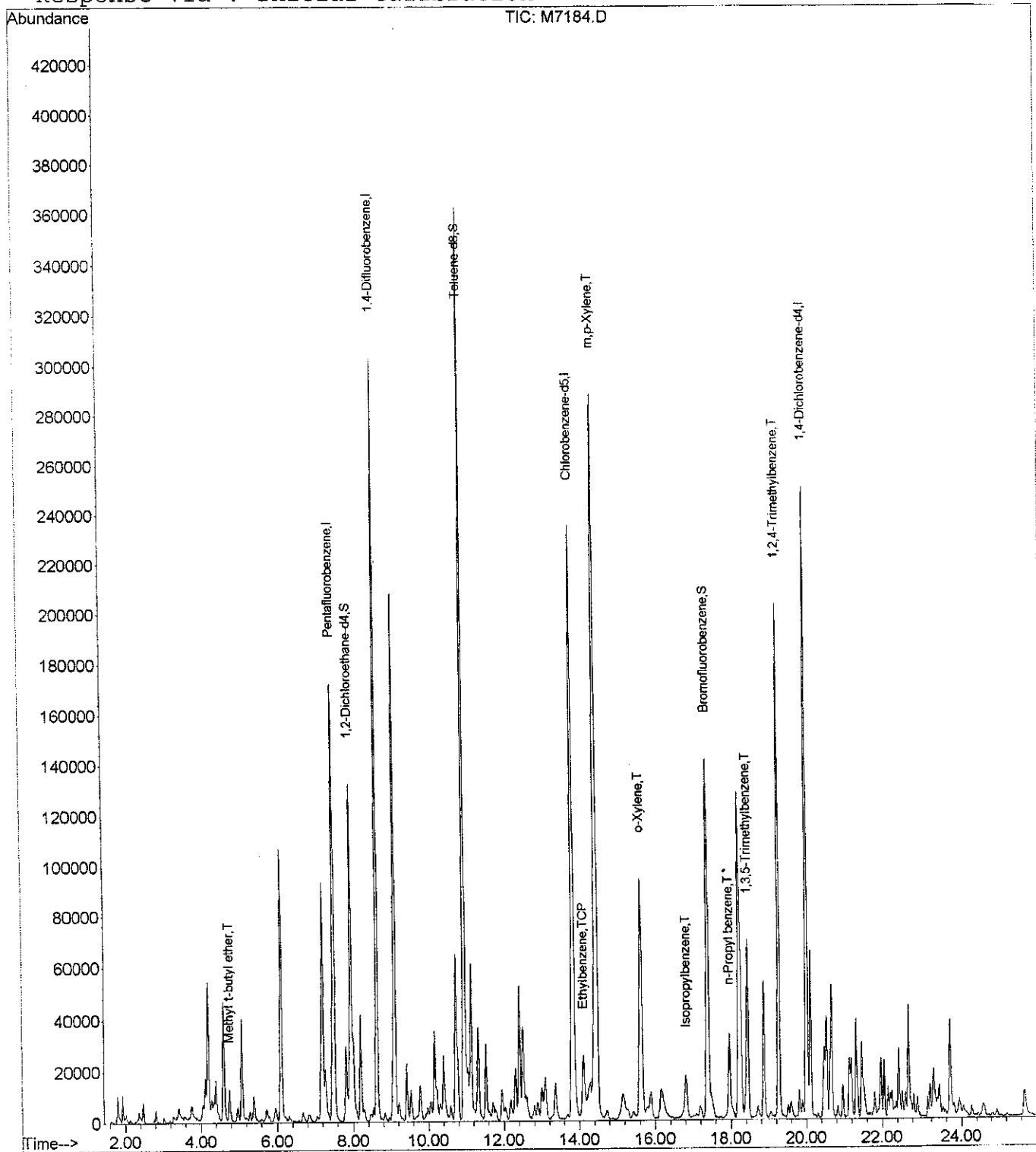
Quantitation Report

Data File : D:\M\DATA\JUL06\M0728\M7184.D
 Acq On : 28 Jul 2006 15:47
 Sample : 0607118
 Misc : WATER 2903 05-DP4 A
 MS Integration Params: rteint.p
 Quant Time: Jul 31 10:45 2006

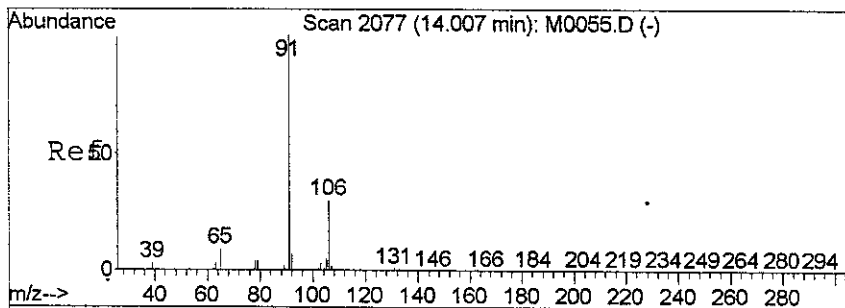
Vial: 9
 Operator:
 Inst : GC/MS Ins
 Multiplr: 1.00

Quant Results File: VM8A0703.R

Method : D:\M\METHODS\VM8A0703.M (RTE Integrator)
 Title : VOA 8260 METHOD
 Last Update : Mon Jul 03 13:08:12 2006
 Response via : Initial Calibration

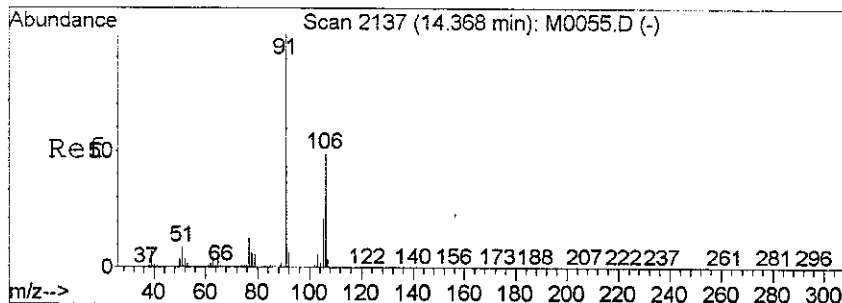
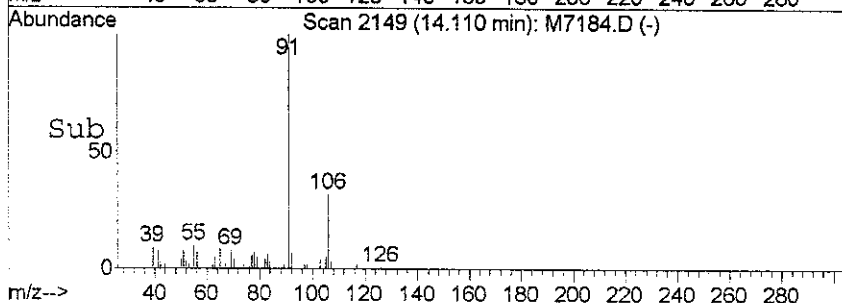
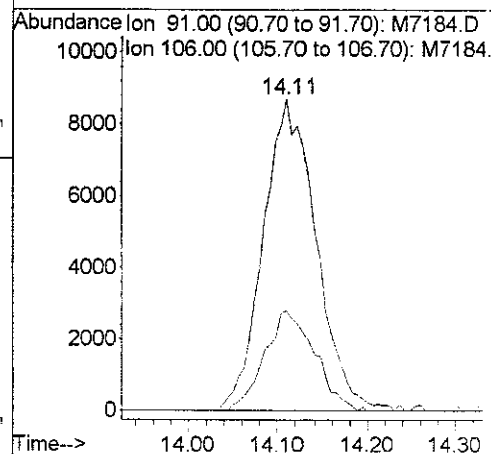
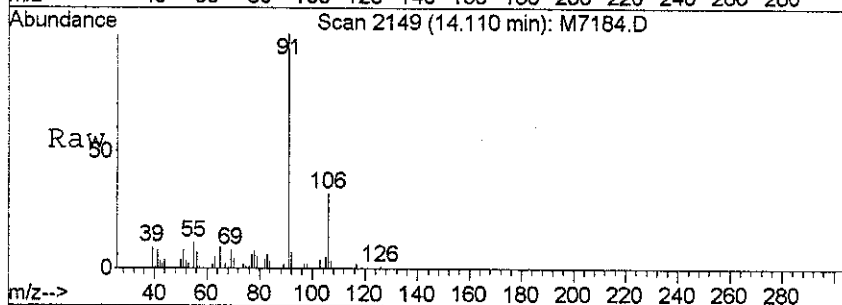


V-125



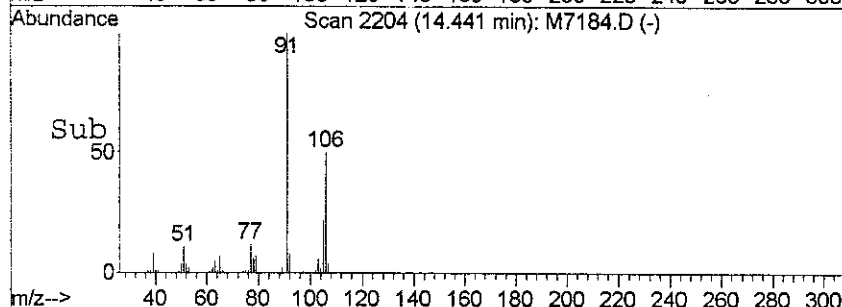
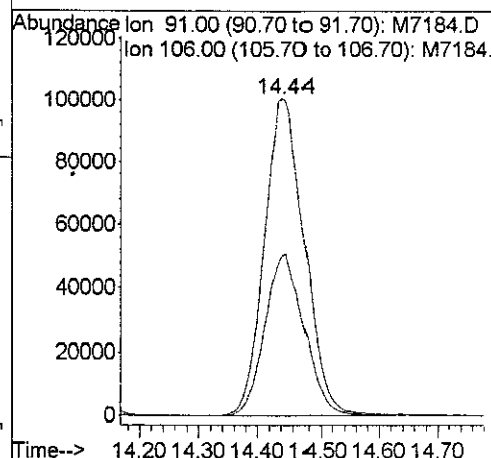
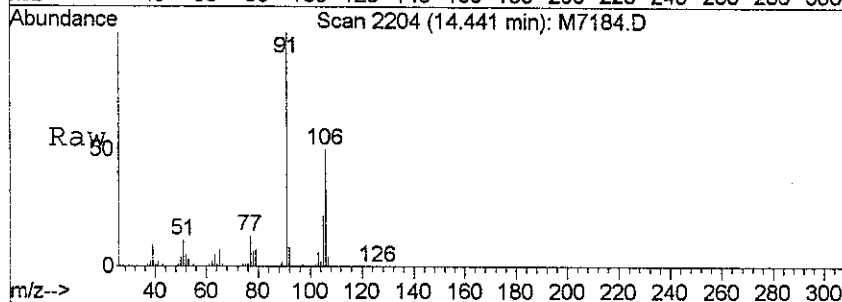
#48
Ethylbenzene
Concen: 2.86 ug/l
RT: 14.11 min Scan# 2149
Delta R.T. 0.05 min
Lab File: M7184.D
Acq: 28 Jul 2006 15:47

Tgt Ion: 91 Resp: 35200
Ion Ratio Lower Upper
91 100
106 32.3 9.3 49.3

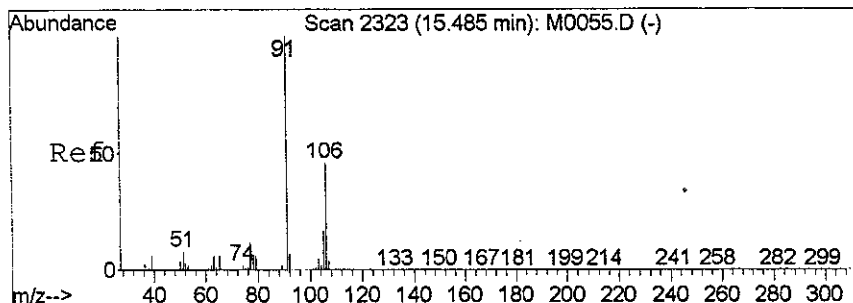


#51
m,p-Xylene
Concen: 49.80 ug/l
RT: 14.44 min Scan# 2204
Delta R.T. 0.05 min
Lab File: M7184.D
Acq: 28 Jul 2006 15:47

Tgt Ion: 91 Resp: 447588
Ion Ratio Lower Upper
91 100
106 49.7 31.3 71.3

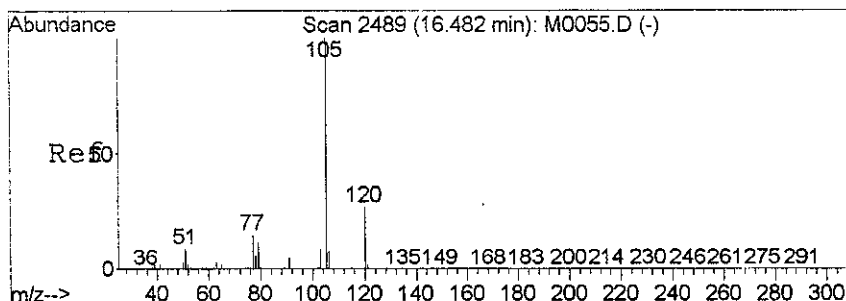
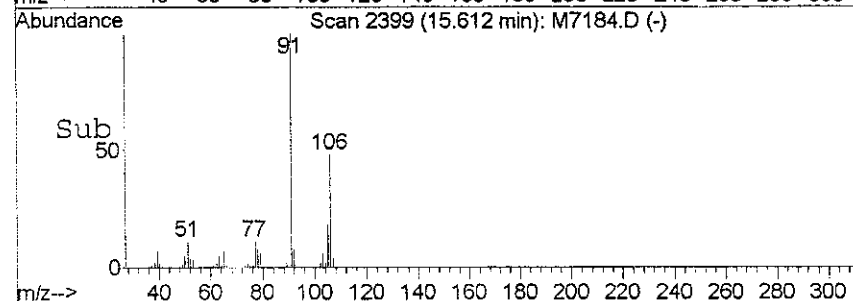
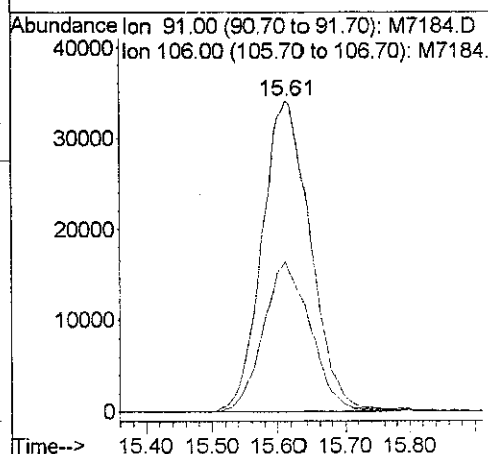
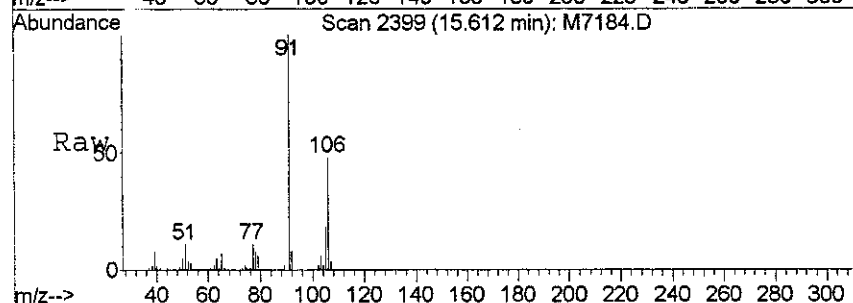


V-126



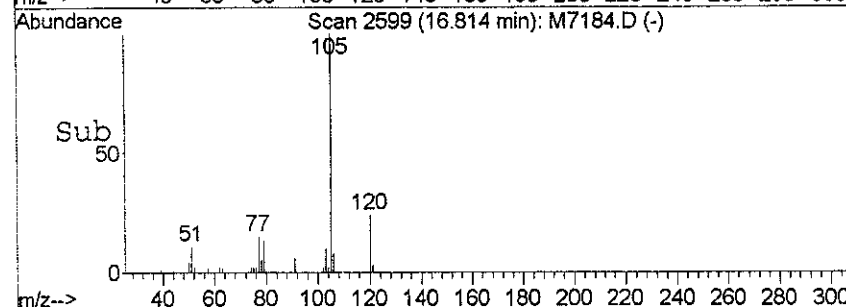
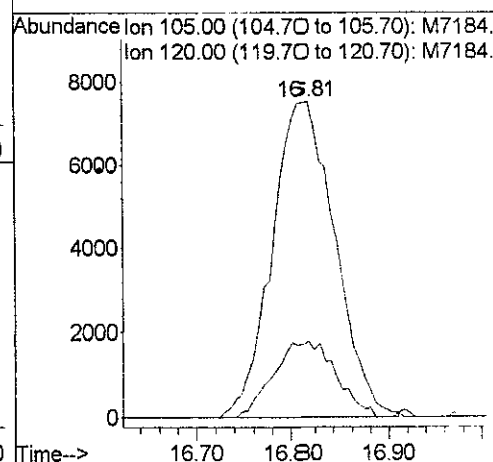
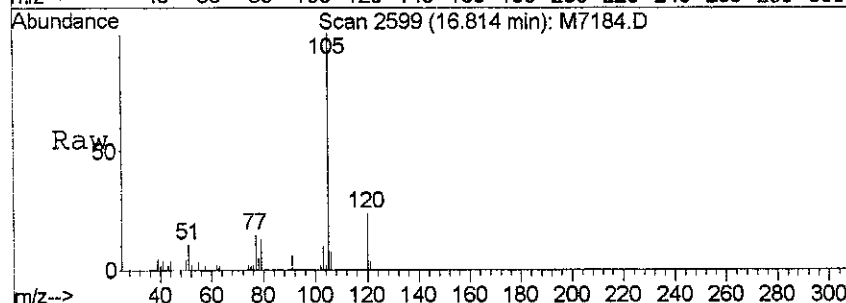
#52
o-Xylene
Concen: 18.99 ug/l
RT: 15.61 min Scan# 2399
Delta R.T. 0.06 min
Lab File: M7184.D
Acq: 28 Jul 2006 15:47

Tgt Ion: 91 Resp: 169147
Ion Ratio Lower Upper
91 100
106 48.2 27.8 67.8

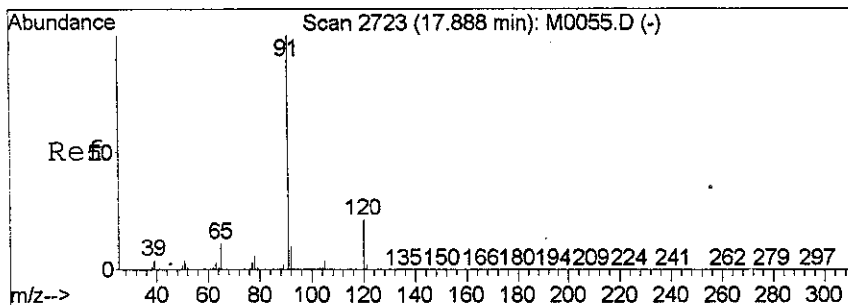


#56
Isopropylbenzene
Concen: 3.32 ug/l
RT: 16.81 min Scan# 2599
Delta R.T. 0.06 min
Lab File: M7184.D
Acq: 28 Jul 2006 15:47

Tgt Ion: 105 Resp: 32673
Ion Ratio Lower Upper
105 100
120 23.9 7.0 47.0

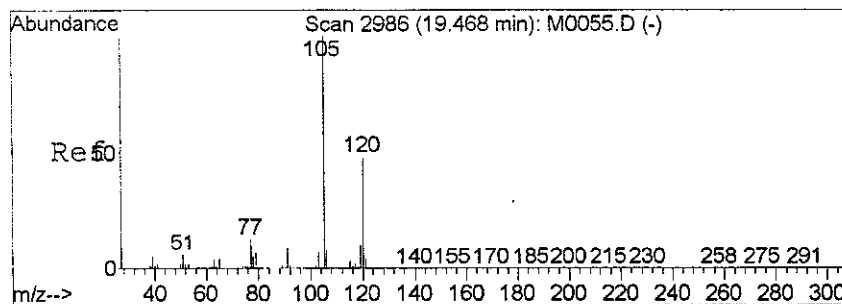
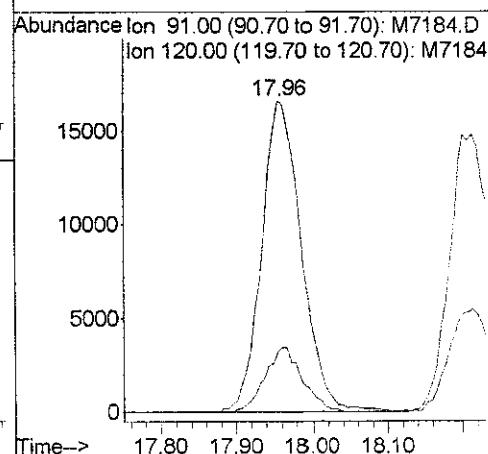
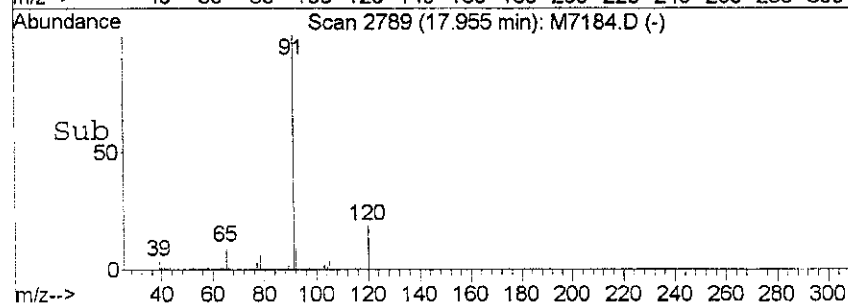
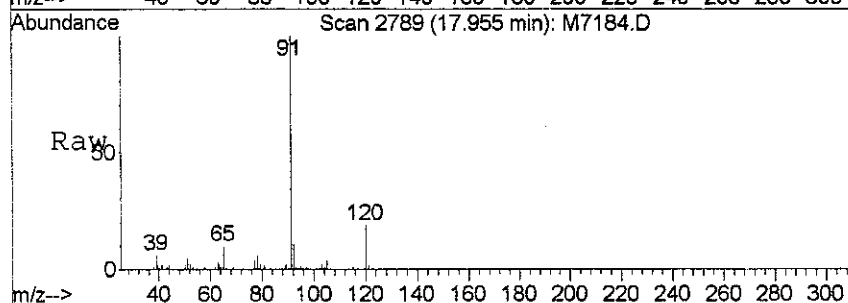


V-127



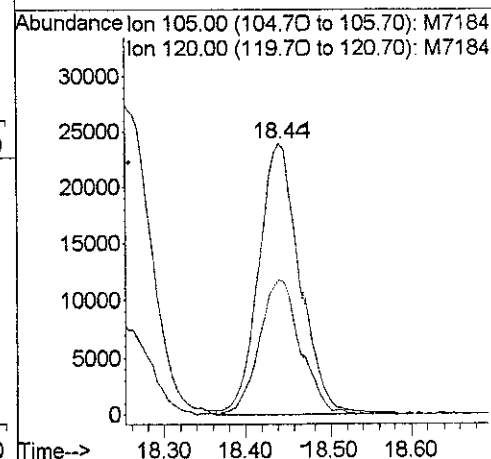
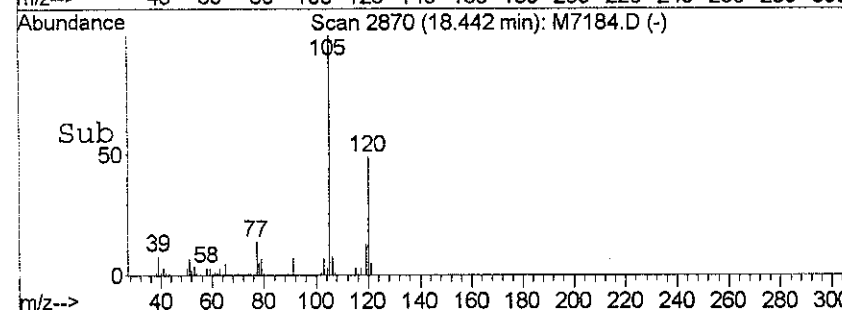
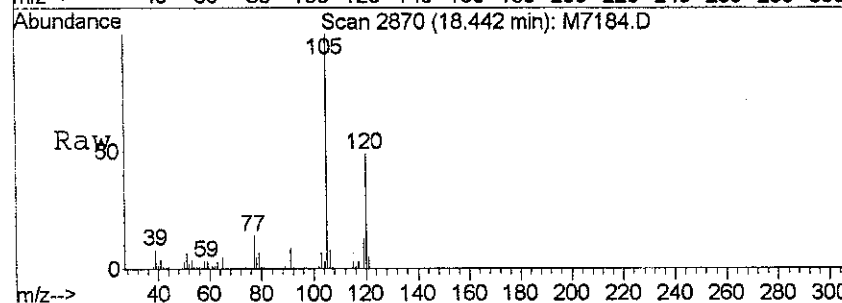
#59
n-Propyl benzene
Concen: 4.66 ug/l
RT: 17.96 min Scan# 2789
Delta R.T. 0.04 min
Lab File: M7184.D
Acq: 28 Jul 2006 15:47

Tgt Ion: 91 Resp: 60092
Ion Ratio Lower Upper
91 100
120 19.3 0.7 40.7

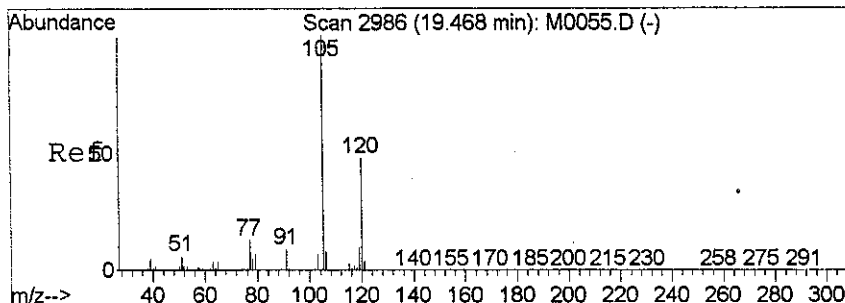


#61
1,3,5-Trimethylbenzene
Concen: 9.95 ug/l
RT: 18.44 min Scan# 2870
Delta R.T. 0.04 min
Lab File: M7184.D
Acq: 28 Jul 2006 15:47

Tgt Ion: 105 Resp: 81254
Ion Ratio Lower Upper
105 100
120 49.1 33.8 73.8

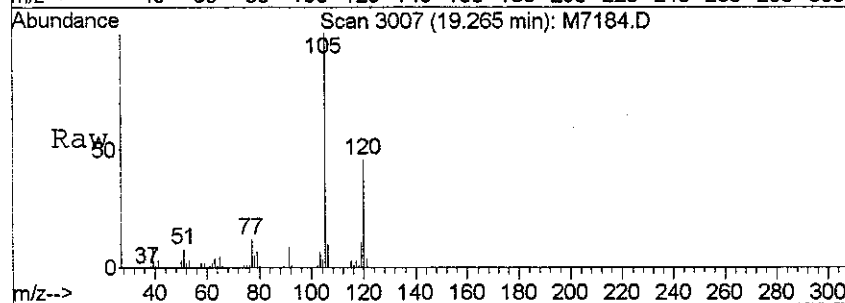


V-128



#65
1,2,4-Trimethylbenzene
Concen: 27.47 ug/l
RT: 19.26 min Scan# 3007
Delta R.T. 0.04 min
Lab File: M7184.D
Acq: 28 Jul 2006 15:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	30.8	70.8
77	11.5	0.0	32.6

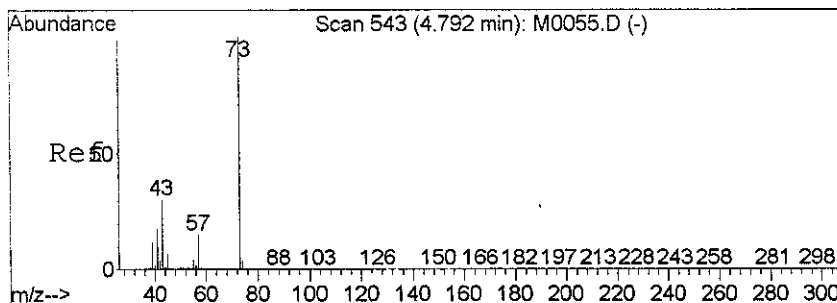
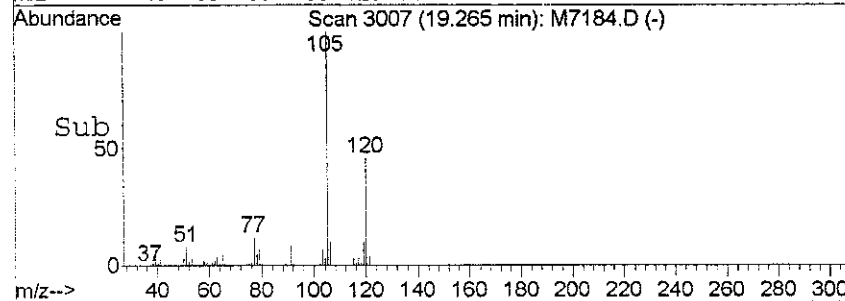
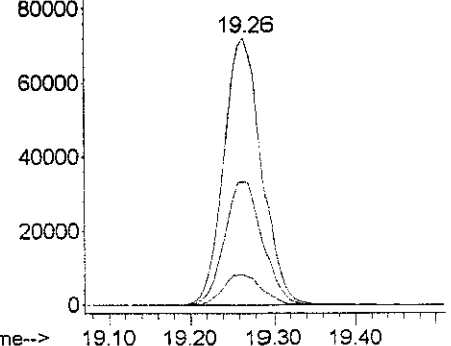


Abundance

Ion 105.00 (104.70 to 105.70): M7184.D

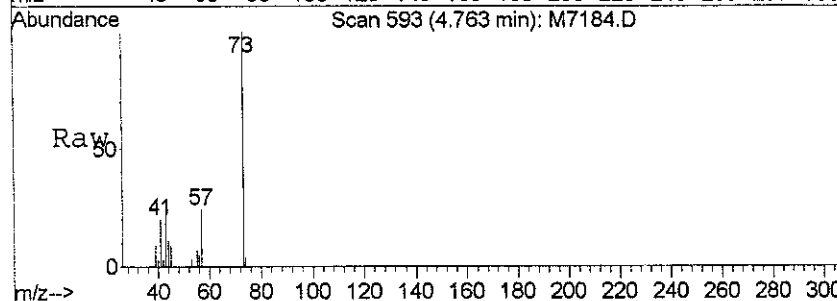
Ion 120.00 (119.70 to 120.70): M7184.D

Ion 77.00 (76.70 to 77.70): M7184.D



#77
Methyl t-butyl ether
Concen: 3.26 ug/l
RT: 4.76 min Scan# 593
Delta R.T. 0.02 min
Lab File: M7184.D
Acq: 28 Jul 2006 15:47

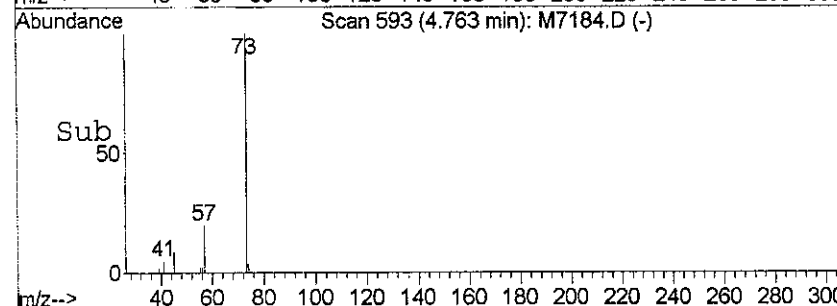
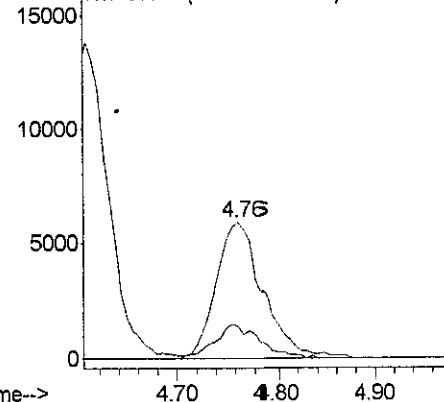
Tgt Ion	Ratio	Lower	Upper
73	100		
57	24.4	6.1	46.1



Abundance

Ion 73.00 (72.70 to 73.70): M7184.D

Ion 57.00 (56.70 to 57.70): M7184.D



V-129

Data File : D:\M\DATA\JUL06\M0728\M7184.D

Vial: 9

Acq On : 28 Jul 2006 15:47

Operator:

Sample : 0607118

Inst : GC/MS Ins

Misc : WATER 2903 05-DP4 A

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Jul 31 10:45 2006

Quant Results File: VM8A0703.RES

Quant Method : D:\M\METHODS\VM8A0703.M (RTE Integrator)

Title : VOA 8260 METHOD

Last Update : Mon Jul 03 13:08:12 2006

Response via : Initial Calibration

DataAcq Meth : VM8A0703

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.49	168	167322	50.00	ug/l	0.04
24) 1,4-Difluorobenzene	8.63	114	377099	50.00	ug/l	0.04
43) Chlorobenzene-d5	13.82	117	329477	50.00	ug/l	0.05
55) 1,4-Dichlorobenzene-d4	20.00	152	123919	50.00	ug/l	0.04

System Monitoring Compounds

25) 1,2-Dichloroethane-d4	7.94	65	123846	46.18	ug/l	0.03
Spiked Amount	50.000	Range	76 - 114	Recovery	=	92.36%
36) Toluene-d8	10.94	98	393706	48.46	ug/l	0.04
Spiked Amount	50.000	Range	88 - 110	Recovery	=	96.92%
42) Bromofluorobenzene	17.38	95	145342	48.17	ug/l	0.05
Spiked Amount	50.000	Range	86 - 115	Recovery	=	96.34%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
48) Ethylbenzene	14.11	91	35200	2.86	ug/l	94
51) m,p-Xylene	14.44	91	447588	49.80	ug/l	98
52) o-Xylene	15.61	91	169147	18.99	ug/l	99
56) Isopropylbenzene	16.81	105	32673	3.32	ug/l	94
59) n-Propyl benzene	17.96	91	60092	4.66	ug/l	97
61) 1,3,5-Trimethylbenzene	18.44	105	81254	9.95	ug/l	93
65) 1,2,4-Trimethylbenzene	19.26	105	228024	27.47	ug/l	94
77) Methyl t-butyl ether	4.76	73	19169	3.26	ug/l	97

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

M7184.D VM8A0703.M

Mon Aug 07 15:44:39 2006

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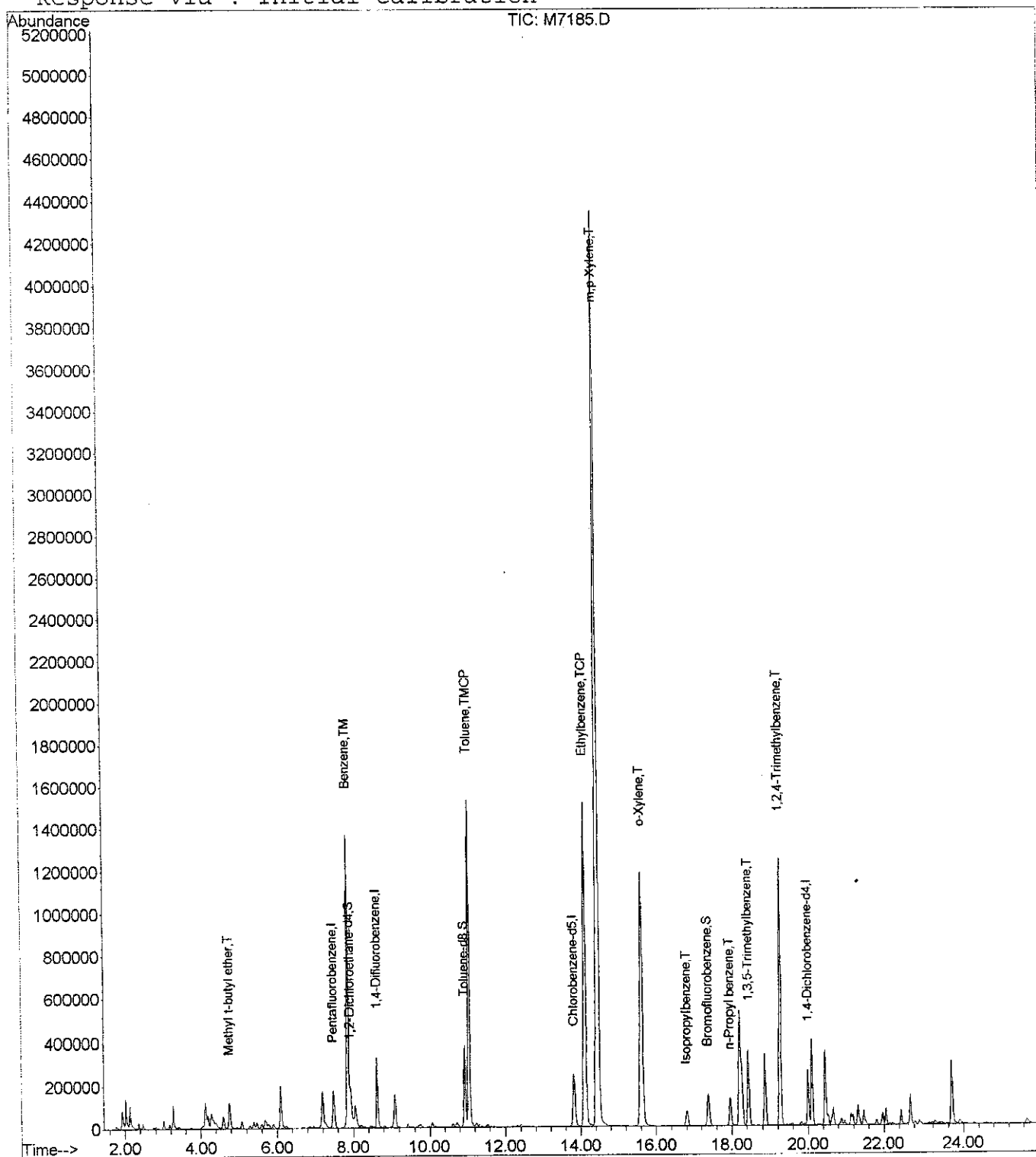
Quantitation Report

Data File : D:\M\DATA\JUL06\M0728\M7185.D
Acq On : 28 Jul 2006 16:20
Sample : 0607119
Misc : WATER 2903 05-DP2 A
MS Integration Params: rteint.p
Quant Time: Jul 31 10:37 2006

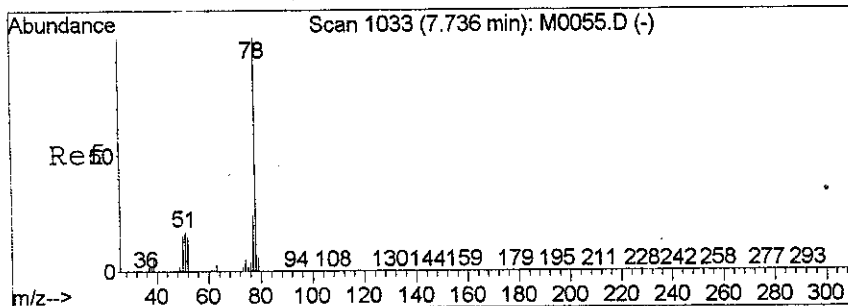
Vial: 10
Operator:
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: VM8A0703.R

Method : D:\M\METHODS\VM8A0703.M (RTE Integrator)
Title : VOA 8260 METHOD
Last Update : Mon Jul 03 13:08:12 2006
Response via : Initial Calibration



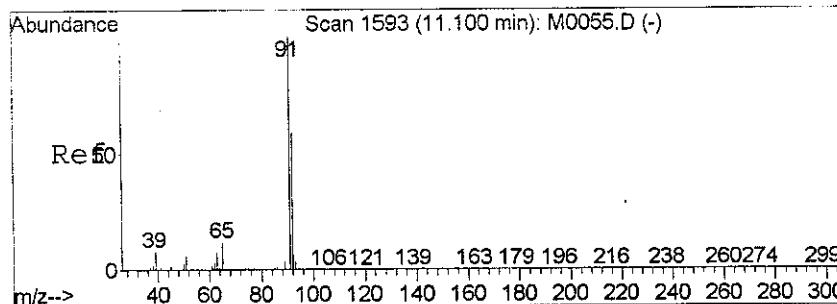
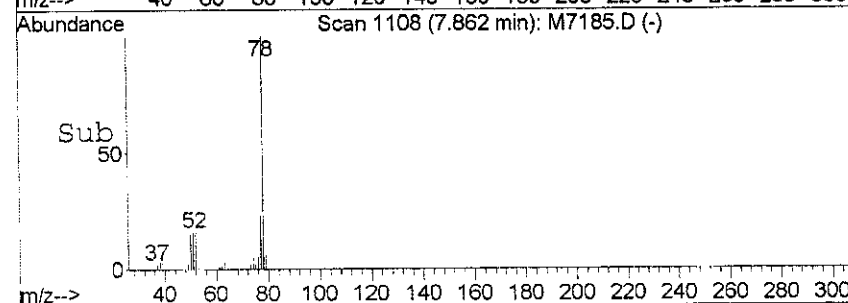
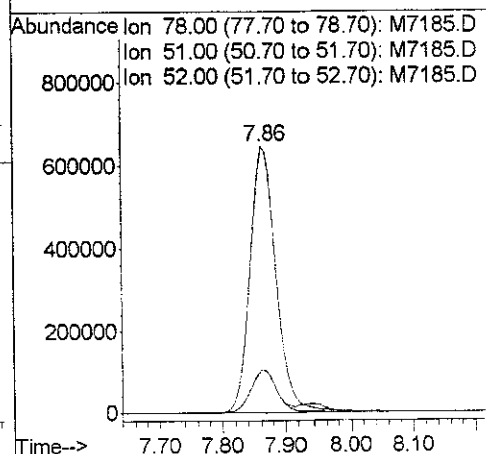
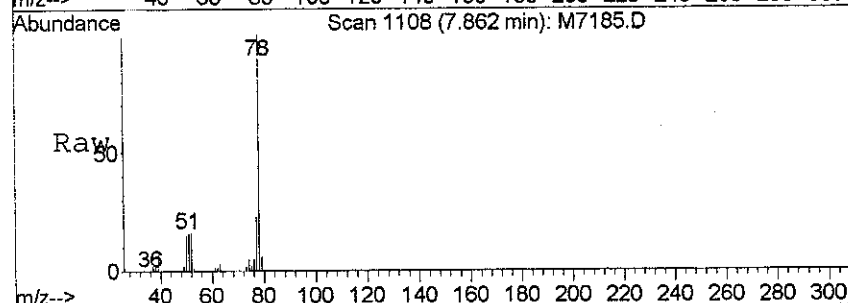
V-131



#29
Benzene
Concen: 162.23 ug/l
RT: 7.86 min Scan# 1108
Delta R.T. 0.03 min
Lab File: M7185.D
Acq: 28 Jul 2006 16:20

Tgt Ion: 78 Resp: 1888385

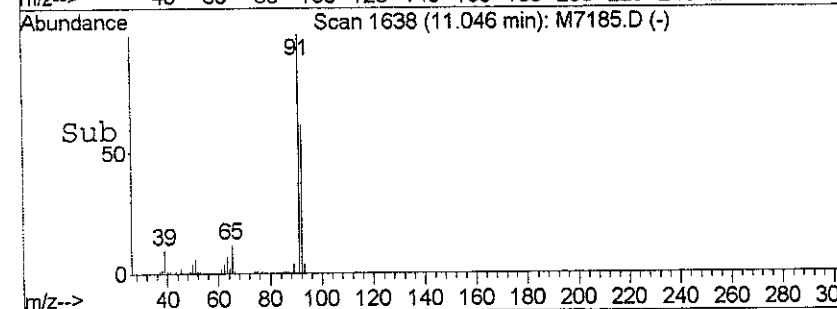
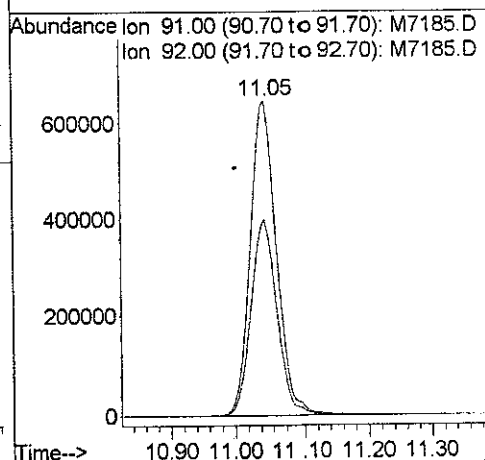
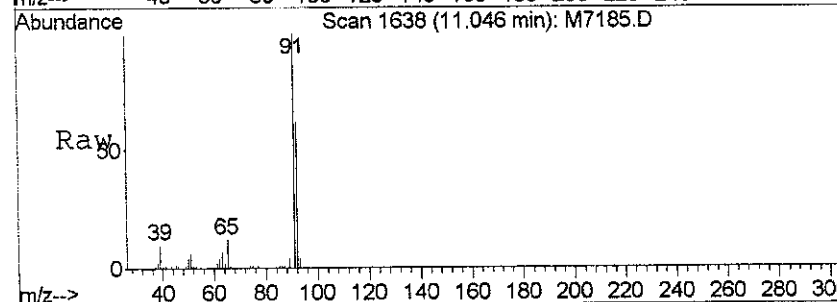
Ion	Ratio	Lower	Upper
78	100		
51	16.3	0.0	35.1
52	16.4	0.0	36.3



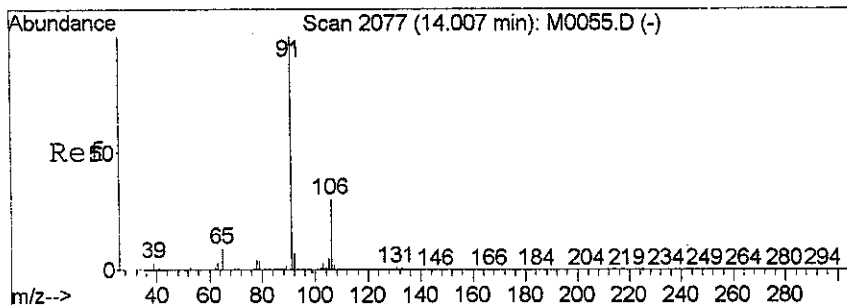
#37
Toluene
Concen: 155.74 ug/l
RT: 11.05 min Scan# 1638
Delta R.T. 0.04 min
Lab File: M7185.D
Acq: 28 Jul 2006 16:20

Tgt Ion: 91 Resp: 1848119

Ion	Ratio	Lower	Upper
91	100		
92	61.7	42.2	82.2



V-132



#48

Ethylbenzene

Concen: 220.30 ug/l

RT: 14.11 min Scan# 2148

Delta R.T. 0.05 min

Lab File: M7185.D

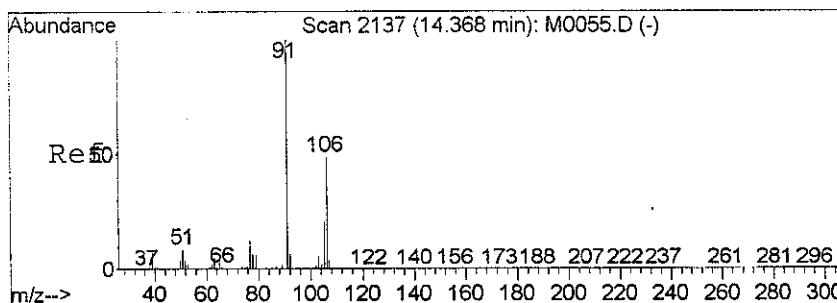
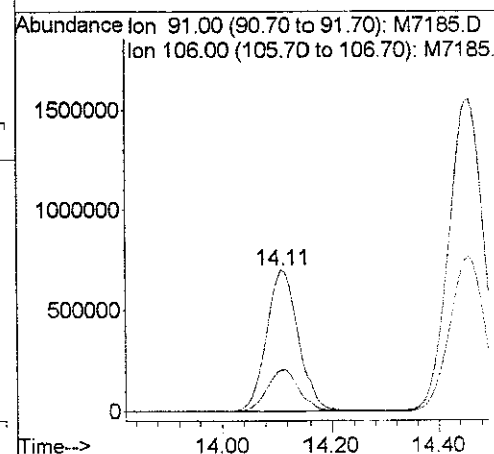
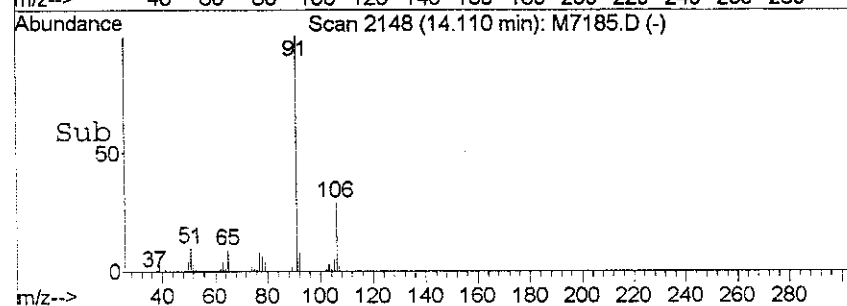
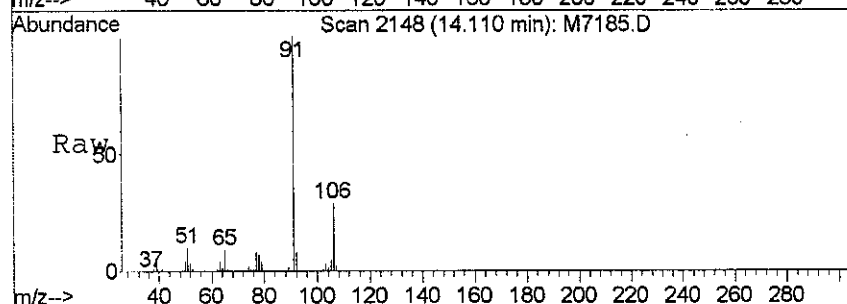
Acq: 28 Jul 2006 16:20

Tgt Ion: 91 Resp: 2867786

Ion Ratio Lower Upper

91 100

106 29.2 9.3 49.3



#51

m,p-Xylene

Concen: 740.08 ug/l

RT: 14.46 min Scan# 2206

Delta R.T. 0.07 min

Lab File: M7185.D

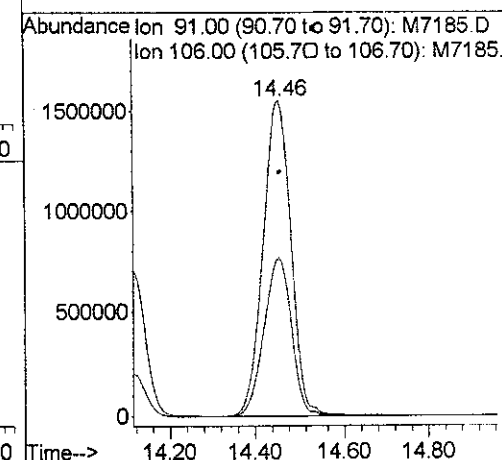
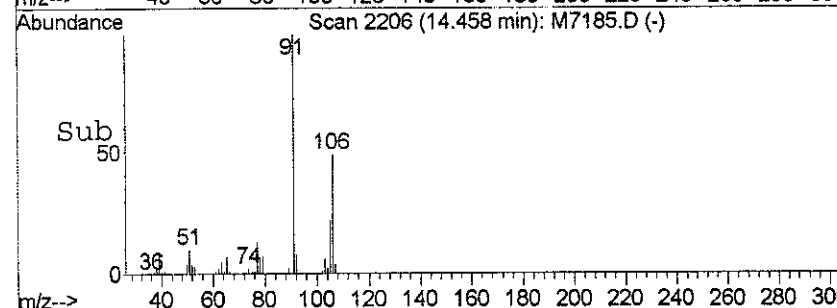
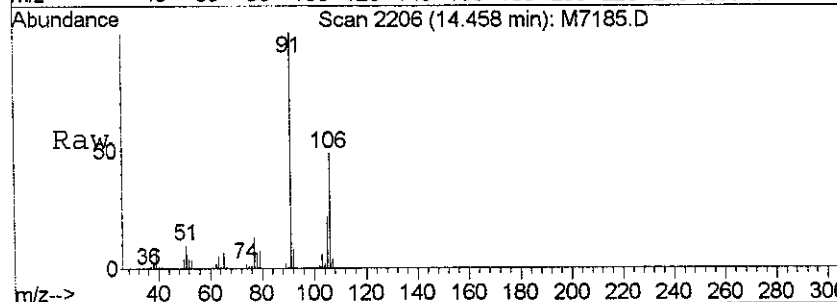
Acq: 28 Jul 2006 16:20

Tgt Ion: 91 Resp: 7028190

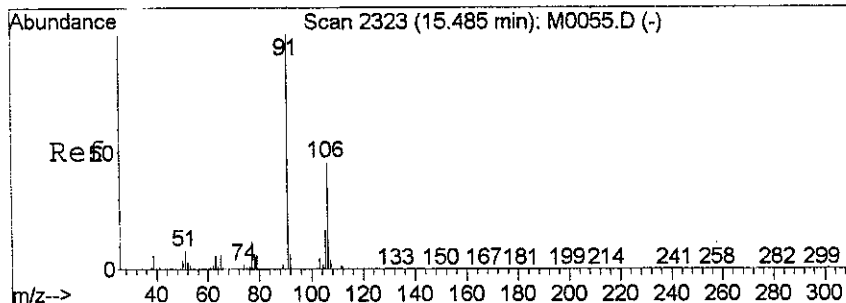
Ion Ratio Lower Upper

91 100

106 49.2 31.3 71.3



V-133



#52

o-Xylene

Concen: 227.97 ug/l

RT: 15.61 min Scan# 2398

Delta R.T. 0.06 min

Lab File: M7185.D

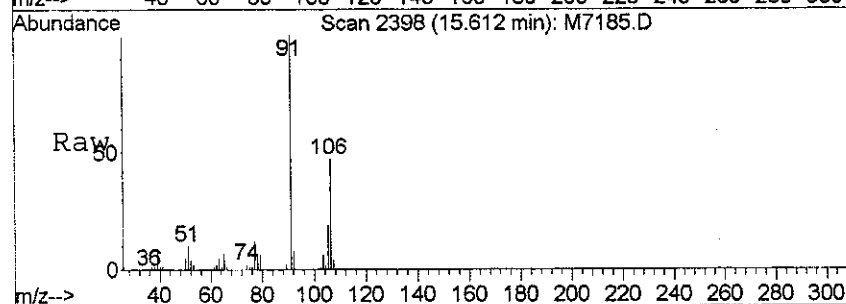
Acq: 28 Jul 2006 16:20

Tgt Ion: 91 Resp: 2146003

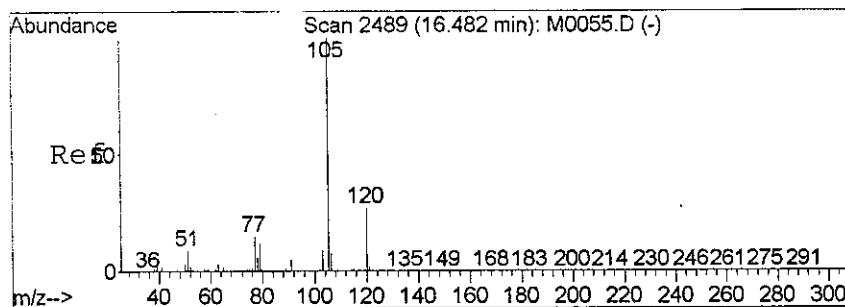
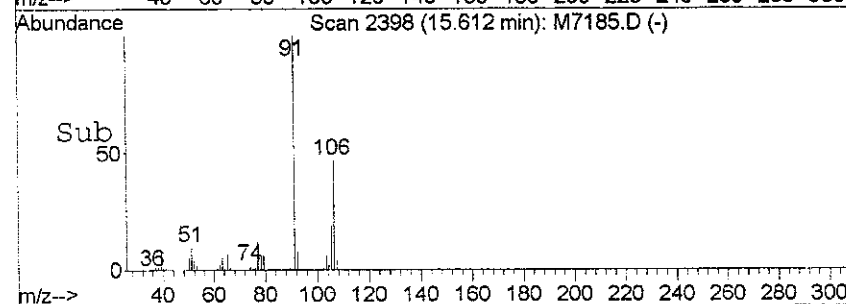
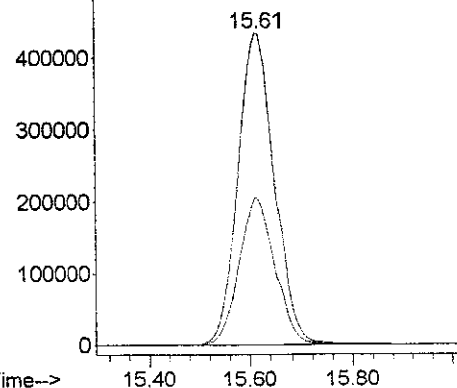
Ion Ratio Lower Upper

91 100

106 47.5 27.8 67.8



Abundance Ion 91.00 (90.70 to 91.70): M7185.D
Ion 106.00 (105.70 to 106.70): M7185.D



#56

Isopropylbenzene

Concen: 12.84 ug/l

RT: 16.81 min Scan# 2598

Delta R.T. 0.06 min

Lab File: M7185.D

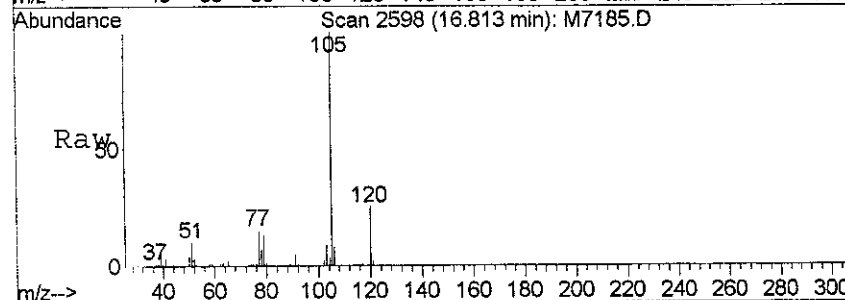
Acq: 28 Jul 2006 16:20

Tgt Ion: 105 Resp: 132611

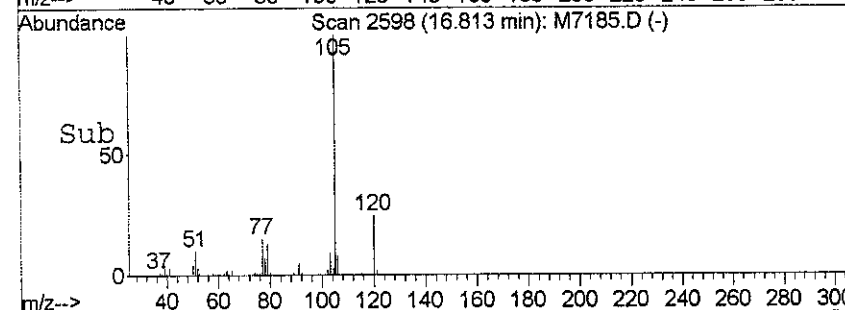
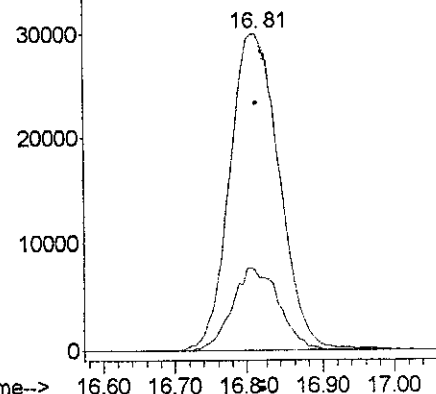
Ion Ratio Lower Upper

105 100

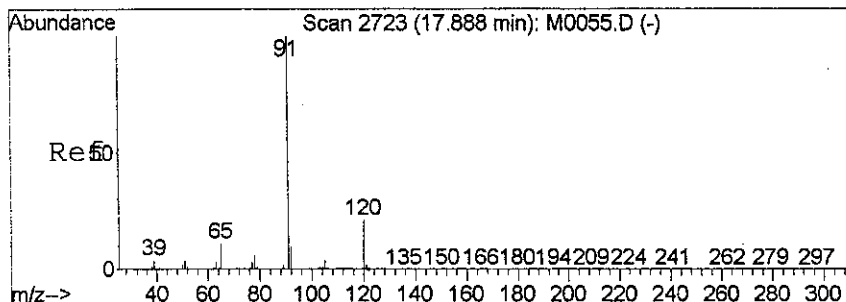
120 24.9 7.0 47.0



Abundance Ion 105.00 (104.70 to 105.70): M7185.D
Ion 120.00 (119.70 to 120.70): M7185.D



Y-134



#59

n-Propyl benzene

Concen: 18.28 ug/l

RT: 17.95 min Scan# 2788

Delta R.T. 0.04 min

Lab File: M7185.D

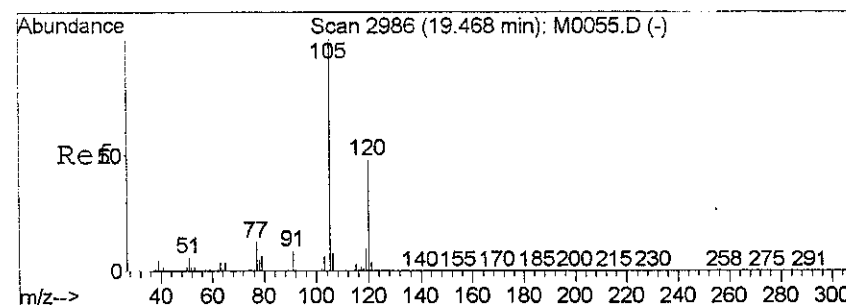
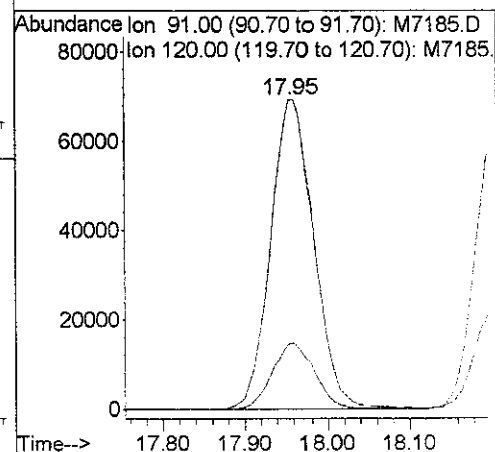
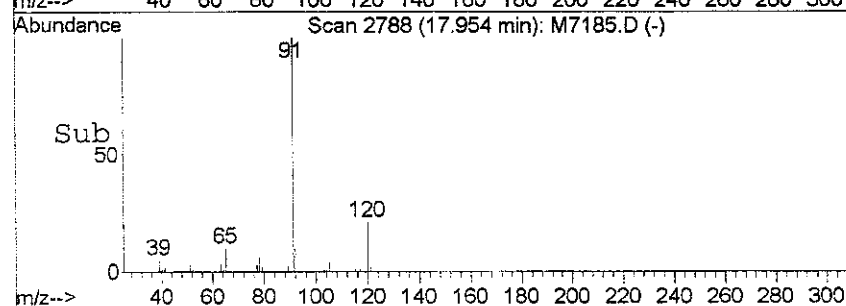
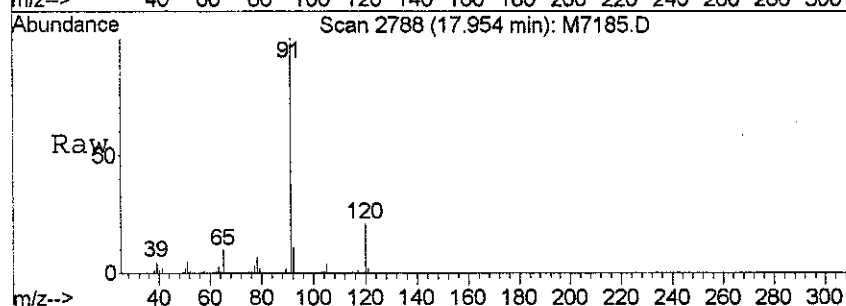
Acq: 28 Jul 2006 16:20

Tgt Ion: 91 Resp: 247316

Ion Ratio Lower Upper

91 100

120 21.0 0.7 40.7



#61

1,3,5-Trimethylbenzene

Concen: 48.67 ug/l

RT: 18.44 min Scan# 2869

Delta R.T. 0.04 min

Lab File: M7185.D

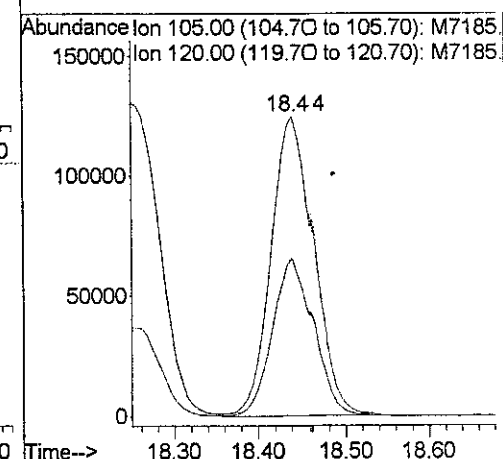
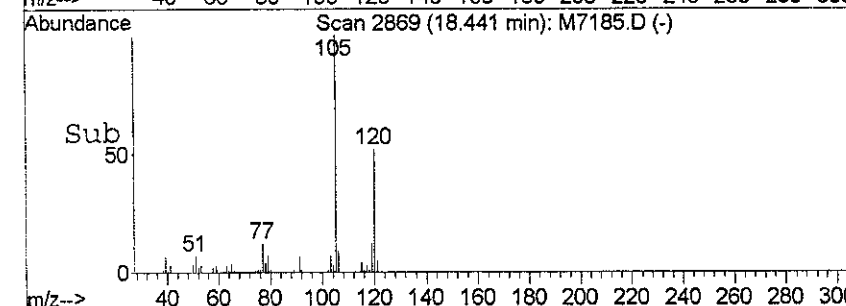
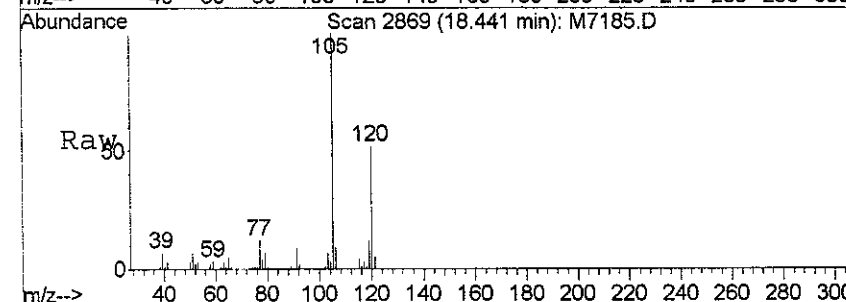
Acq: 28 Jul 2006 16:20

Tgt Ion: 105 Resp: 417084

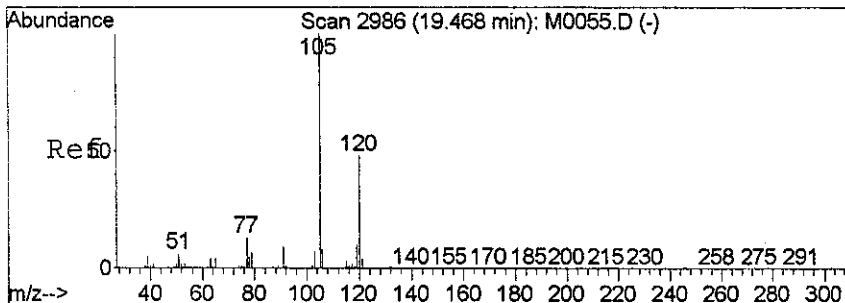
Ion Ratio Lower Upper

105 100

120 52.4 33.8 73.8



V-135



#65

1,2,4-Trimethylbenzene

Concen: 163.29 ug/l

RT: 19.26 min Scan# 3006

Delta R.T. 0.04 min

Lab File: M7185.D

Acq: 28 Jul 2006 16:20

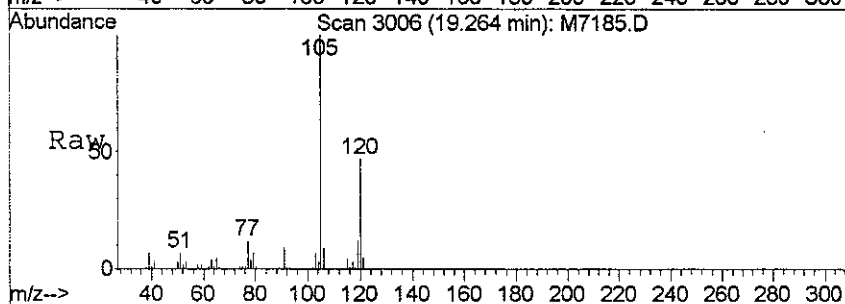
Tgt Ion: 105 Resp: 1422724

Ion Ratio Lower Upper

105 100

120 47.3 30.8 70.8

77 11.9 0.0 32.6

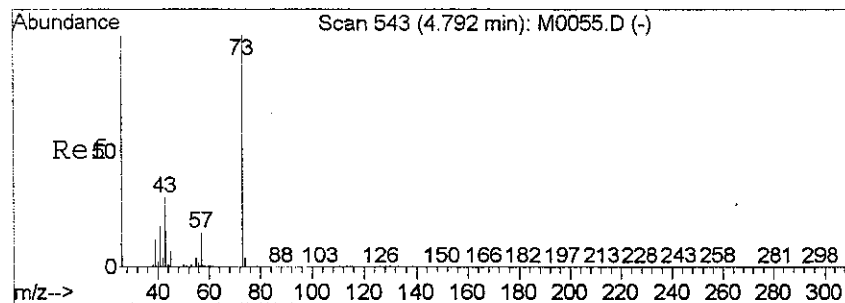
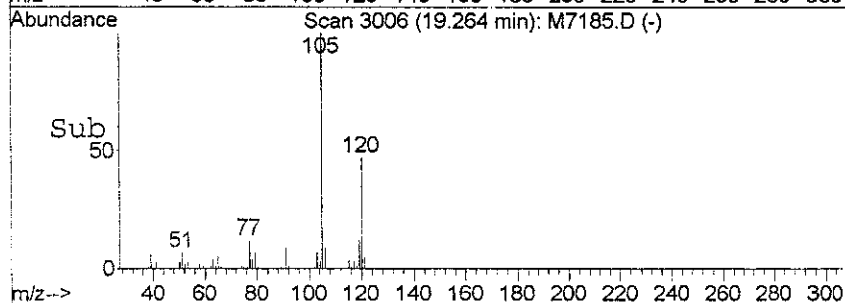
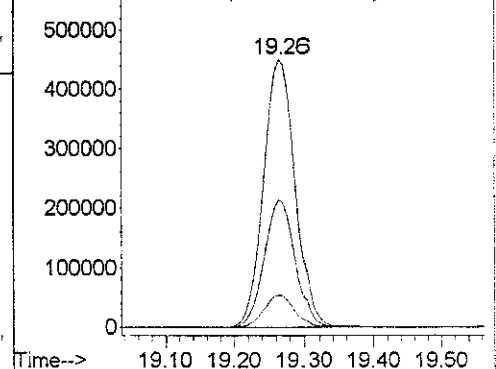


Abundance

Ion 105.00 (104.70 to 105.70): M7185.D

Ion 120.00 (119.70 to 120.70): M7185.D

Ion 77.00 (76.70 to 77.70): M7185.D



#77

Methyl t-butyl ether

Concen: 31.49 ug/l

RT: 4.76 min Scan# 591

Delta R.T. 0.02 min

Lab File: M7185.D

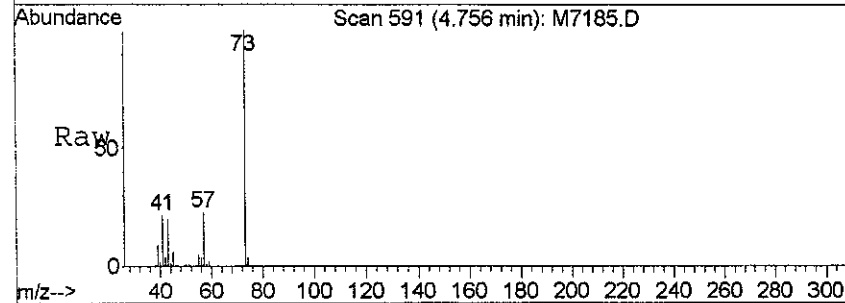
Acq: 28 Jul 2006 16:20

Tgt Ion: 73 Resp: 194144

Ion Ratio Lower Upper

73 100

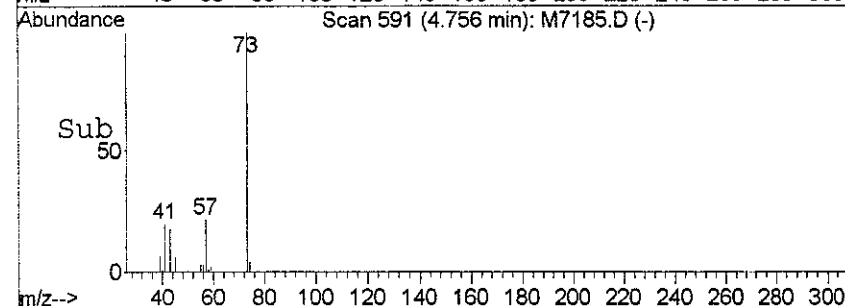
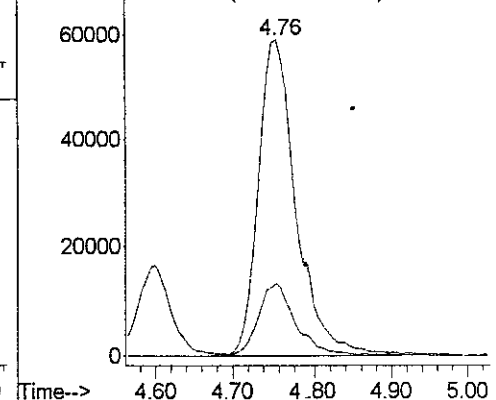
57 22.8 6.1 46.1



Abundance

Ion 73.00 (72.70 to 73.70): M7185.D

Ion 57.00 (56.70 to 57.70): M7185.D



V-136

Data File : D:\M\DATA\JUL06\M0728\M7185.D
 Acq On : 28 Jul 2006 16:20
 Sample : 0607119
 Misc : WATER 2903 05-DP2 A (2)
 MS Integration Params: rteint.p
 Quant Time: Jul 31 10:37 2006

Vial: 10
 Operator:
 Inst : GC/MS Ins
 Multiplr: 1.00

Quant Results File: VM8A0703.RES

Quant Method : D:\M\METHODS\VM8A0703.M (RTE Integrator)
 Title : VOA 8260 METHOD
 Last Update : Mon Jul 03 13:08:12 2006
 Response via : Initial Calibration
 DataAcq Meth : VM8A0703

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.49	168	174490	50.00	ug/l	0.04
24) 1,4-Difluorobenzene	8.62	114	399335	50.00	ug/l	0.03
43) Chlorobenzene-d5	13.82	117	348144	50.00	ug/l	0.05
55) 1,4-Dichlorobenzene-d4	20.00	152	130045	50.00	ug/l	0.04

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
25) 1,2-Dichloroethane-d4		7.94	65	129255	45.51	ug/l	0.03
Spiked Amount	50.000	Range	76 - 114	Recovery	=	91.02%	
36) Toluene-d8		10.94	98	410767	47.74	ug/l	0.04
Spiked Amount	50.000	Range	88 - 110	Recovery	=	95.48%	
42) Bromofluorobenzene		17.38	95	152654	47.77	ug/l	0.05
Spiked Amount	50.000	Range	86 - 115	Recovery	=	95.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
29) Benzene	7.86	78	1888385	162.23	ug/l	99
37) Toluene	11.05	91	1848119	155.74	ug/l	99
48) Ethylbenzene	14.11	91	2867786	220.30	ug/l	100
51) m,p-Xylene	14.46	91	7028190	740.08	ug/l	97
52) o-Xylene	15.61	91	2146003	227.97	ug/l	100
56) Isopropylbenzene	16.81	105	132611	12.84	ug/l	96
59) n-Propyl benzene	17.95	91	247316	18.28	ug/l	99
61) 1,3,5-Trimethylbenzene	18.44	105	417084	48.67	ug/l	98
65) 1,2,4-Trimethylbenzene	19.26	105	1422724	163.29	ug/l	96
77) Methyl t-butyl ether	4.76	73	194144	31.49	ug/l	94

V-137

Quantitation Report

Data File : D:\M\DATA\JUL06\M0728\M7189.D

Vial: 14

Acq On : 28 Jul 2006 18:34

Operator:

Sample : 0607119DL

Inst : GC/MS Ins

Misc : WATER 2903 ~~05-DP2DL~~ 05-DP2 ADL

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Jul 31 11:08 2006

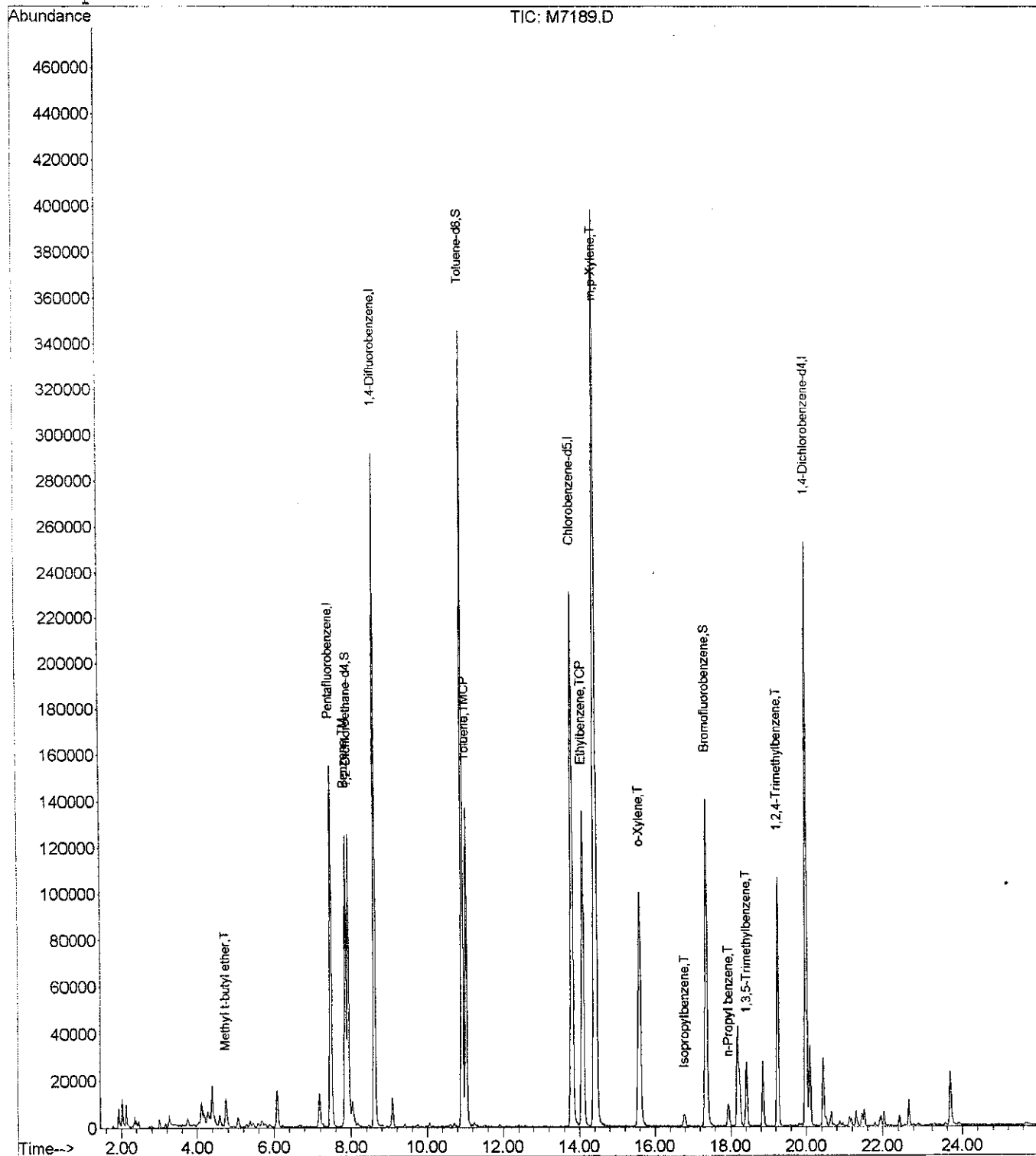
Quant Results File: VM8A0703.R

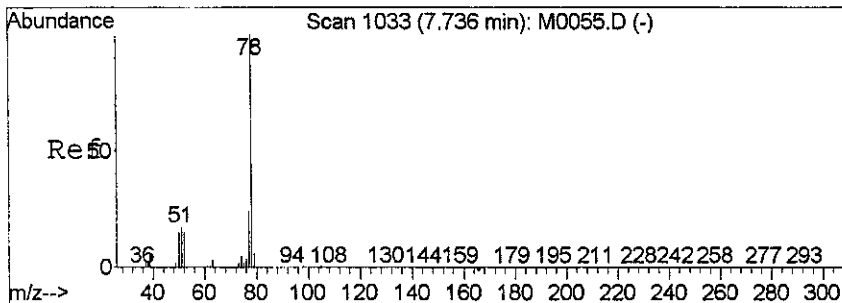
Method : D:\M\METHODS\VM8A0703.M (RTE Integrator)

Title : VOA 8260 METHOD

Last Update : Mon Jul 03 13:08:12 2006

Response via : Initial Calibration





#29

Benzene

Concen: 16.15 ug/l

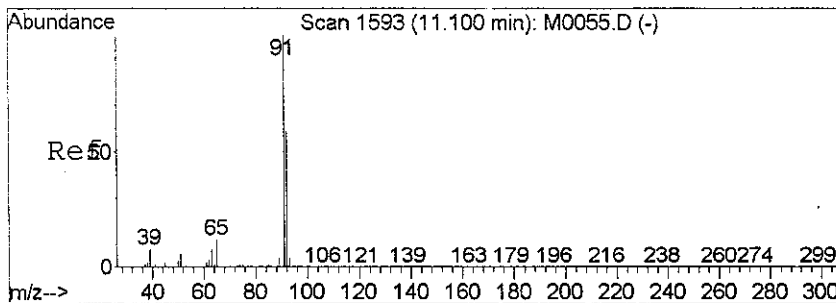
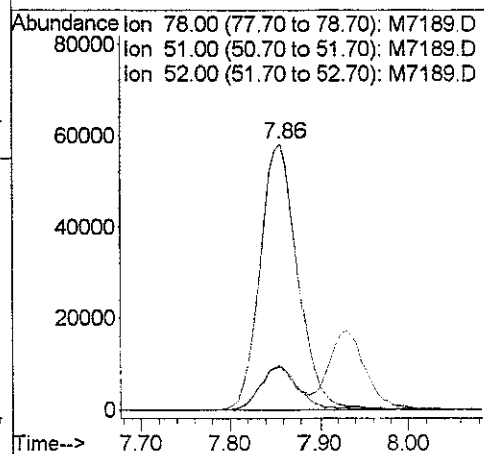
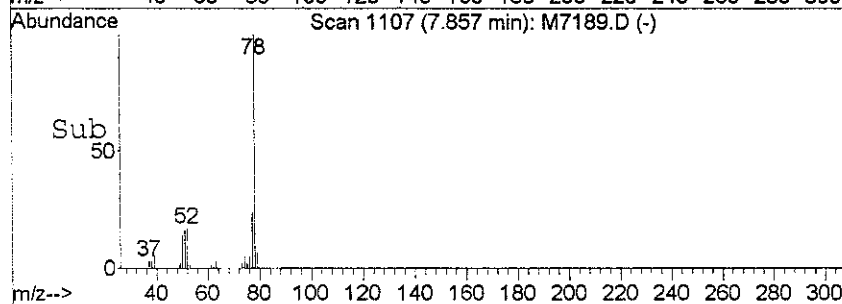
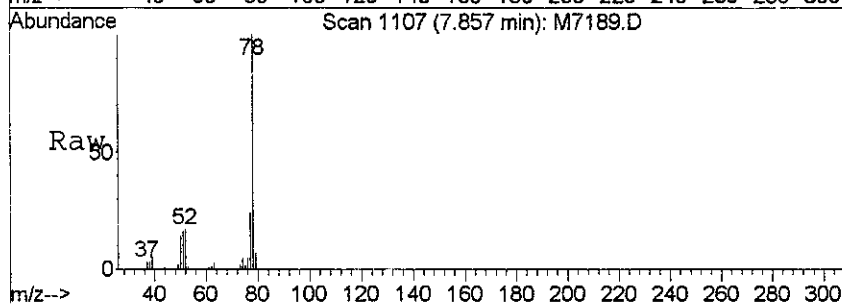
RT: 7.86 min Scan# 1107

Delta R.T. 0.03 min

Lab File: M7189.D

Acq: 28 Jul 2006 18:34

Tgt Ion	Resp	Lower	Upper
78	169612		
51	15.9	0.0	35.1
52	16.8	0.0	36.3



#37

Toluene

Concen: 15.36 ug/l

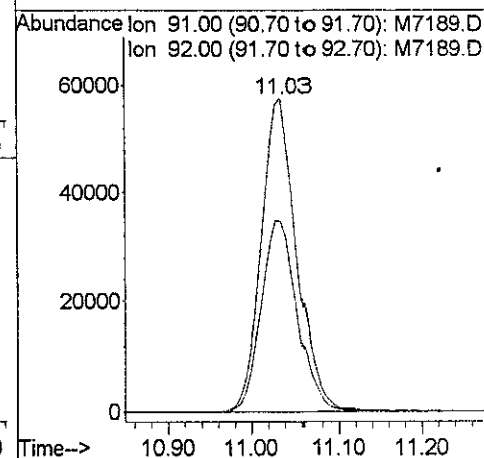
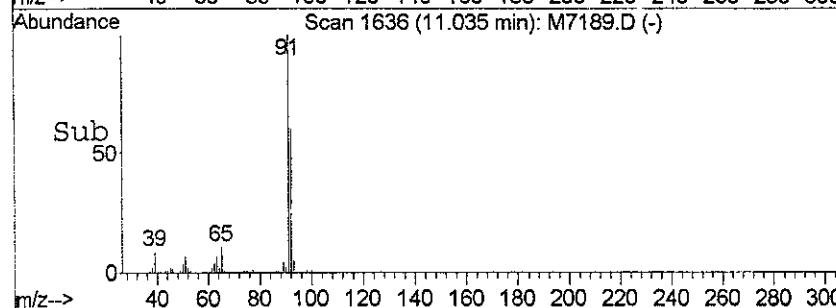
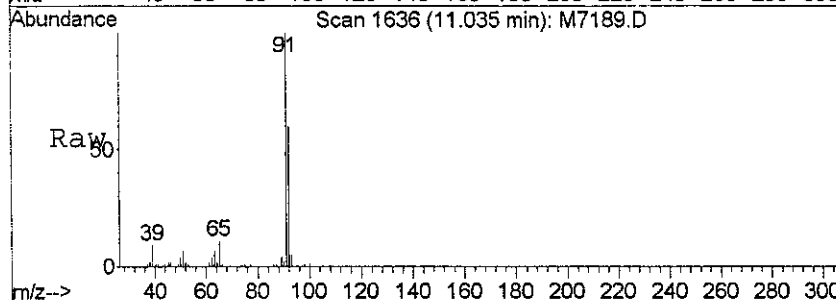
RT: 11.03 min Scan# 1636

Delta R.T. 0.03 min

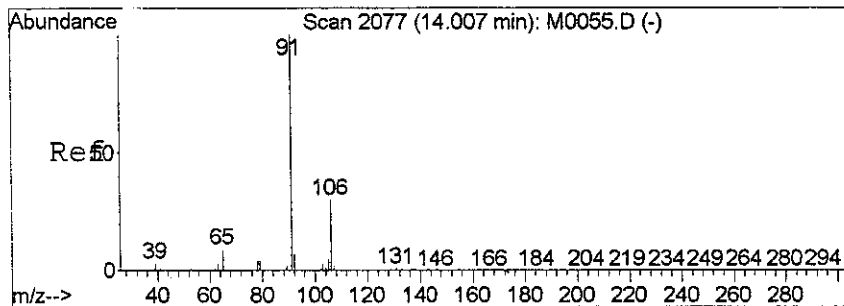
Lab File: M7189.D

Acq: 28 Jul 2006 18:34

Tgt Ion	Resp	Lower	Upper
91	164548		
92	60.3	42.2	82.2

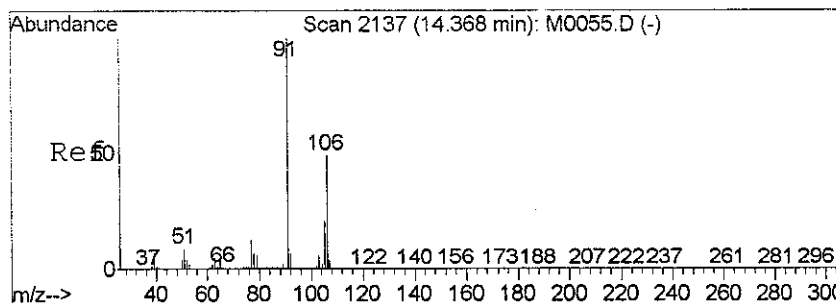
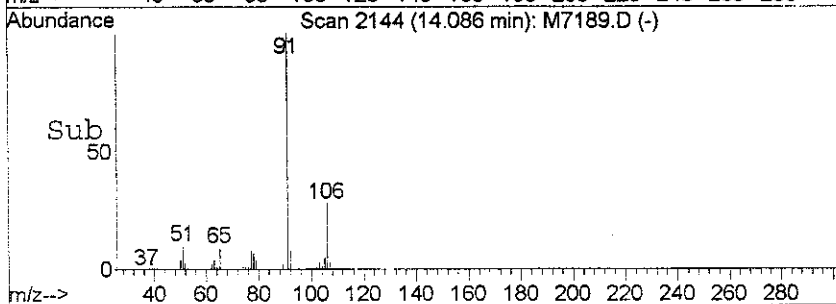
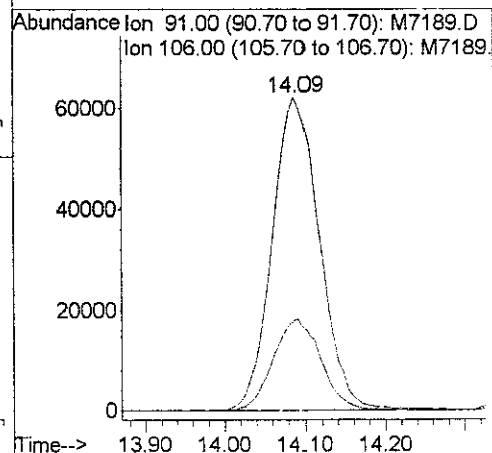
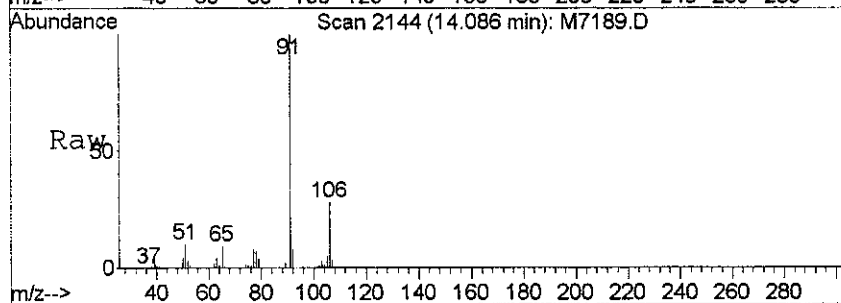


V-139



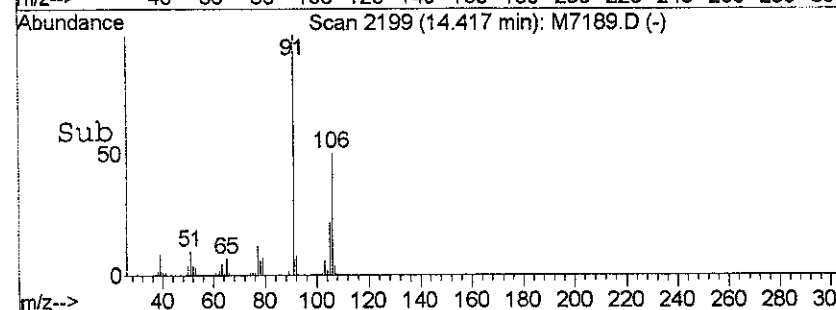
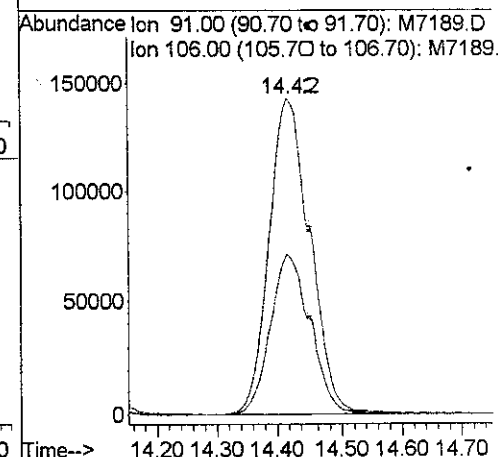
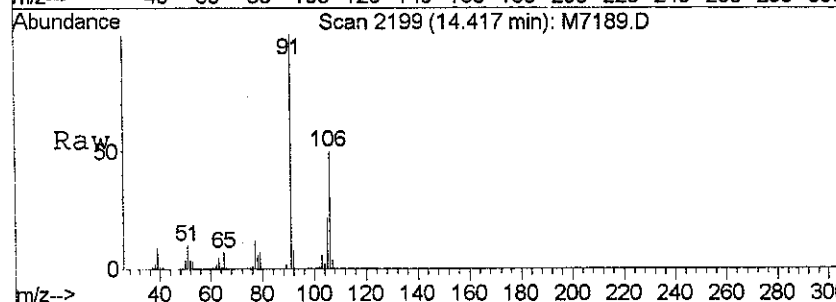
#48
Ethylbenzene
Concen: 20.50 ug/l
RT: 14.09 min Scan# 2144
Delta R.T. 0.03 min
Lab File: M7189.D
Acq: 28 Jul 2006 18:34

Tgt Ion: 91 Resp: 248244
Ion Ratio Lower Upper
91 100
106 28.3 9.3 49.3

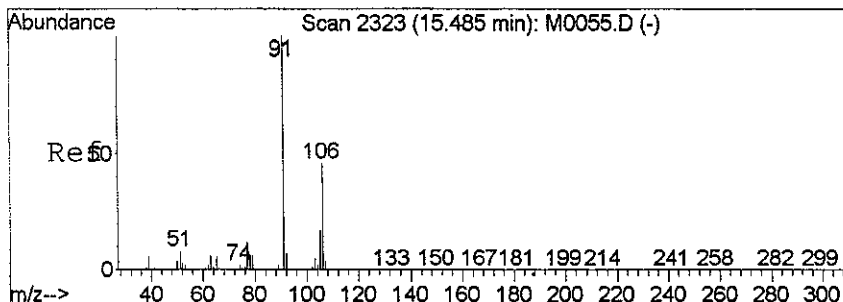


#51
m,p-Xylene
Concen: 71.17 ug/l
RT: 14.42 min Scan# 2199
Delta R.T. 0.03 min
Lab File: M7189.D
Acq: 28 Jul 2006 18:34

Tgt Ion: 91 Resp: 628780
Ion Ratio Lower Upper
91 100
106 49.7 31.3 71.3



V-140



#52

o-Xylene

Concen: 21.06 ug/l

RT: 15.58 min Scan# 2392

Delta R.T. 0.03 min

Lab File: M7189.D

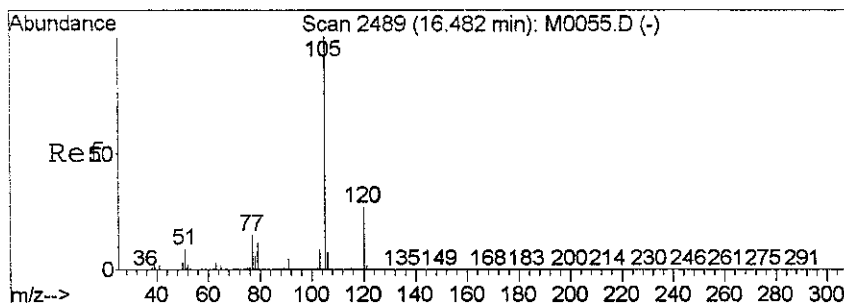
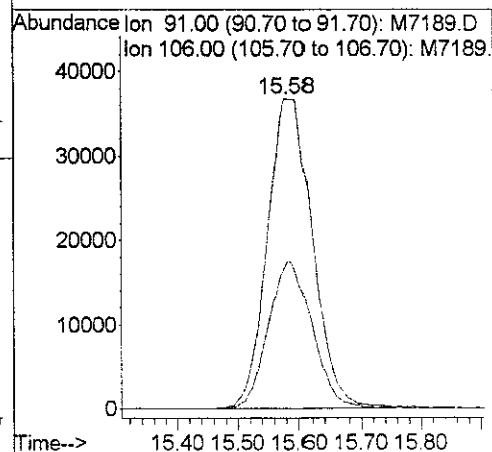
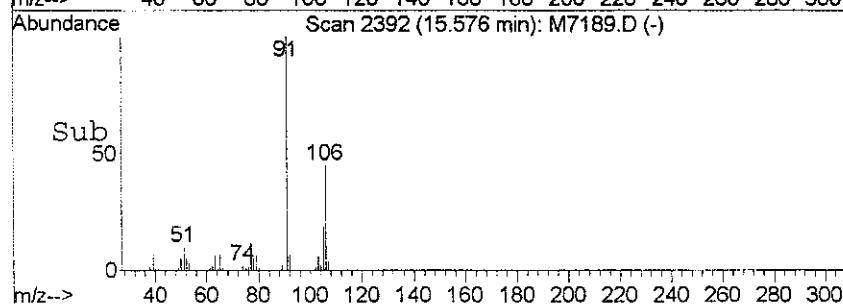
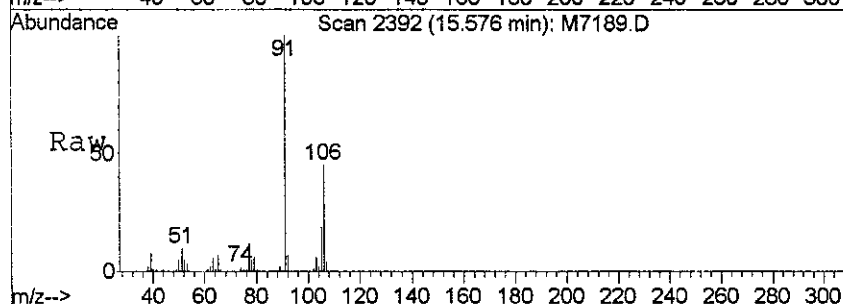
Acq: 28 Jul 2006 18:34

Tgt Ion: 91 Resp: 184437

Ion Ratio Lower Upper

91 100

106 45.2 27.8 67.8



#56

Isopropylbenzene

Concen: 1.04 ug/l

RT: 16.80 min Scan# 2595

Delta R.T. 0.04 min

Lab File: M7189.D

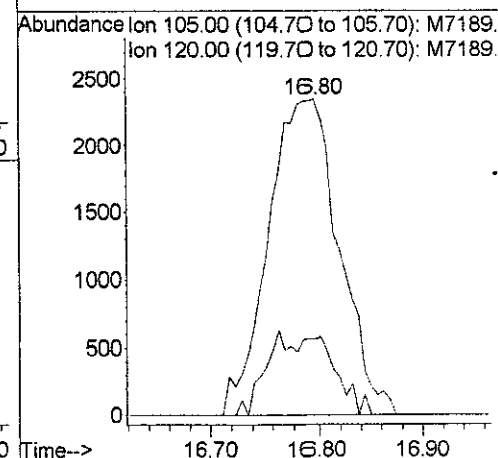
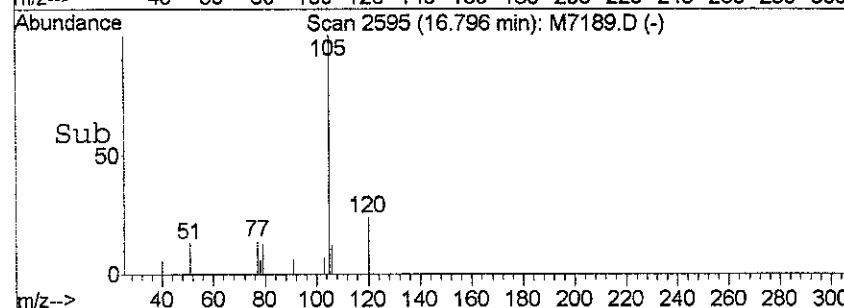
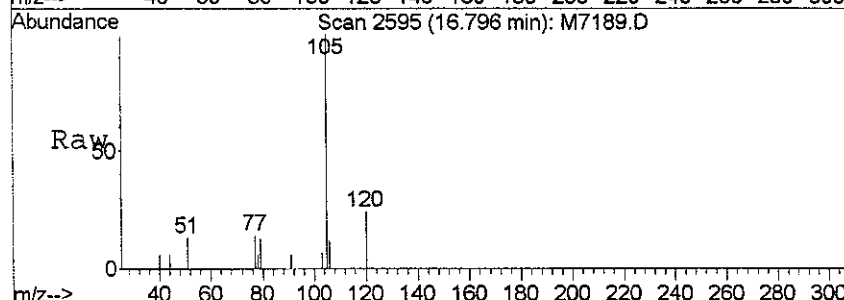
Acq: 28 Jul 2006 18:34

Tgt Ion: 105 Resp: 10492

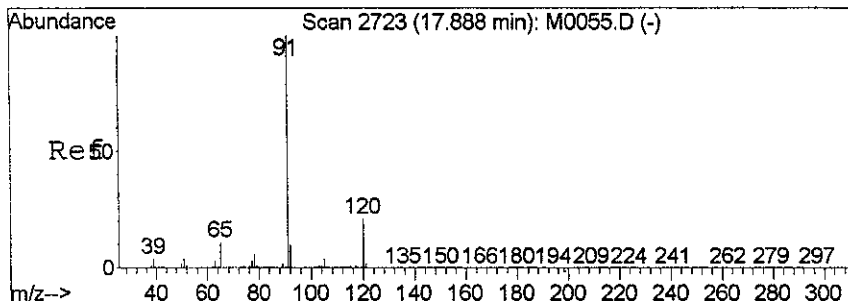
Ion Ratio Lower Upper

105 100

120 24.0 7.0 47.0

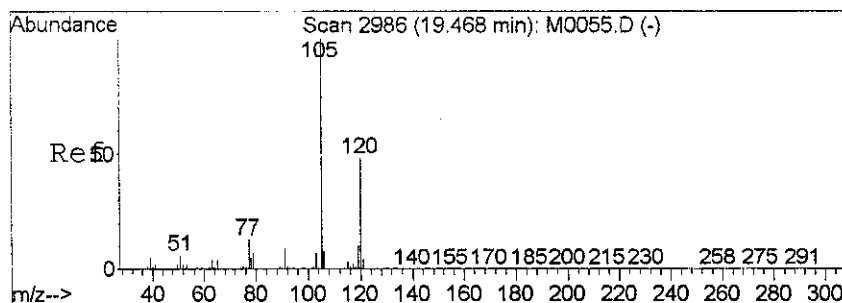
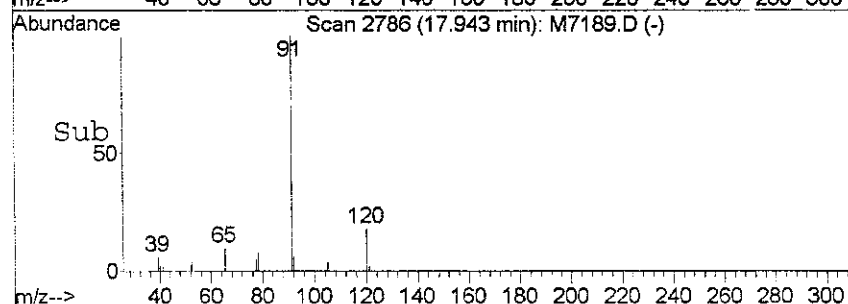
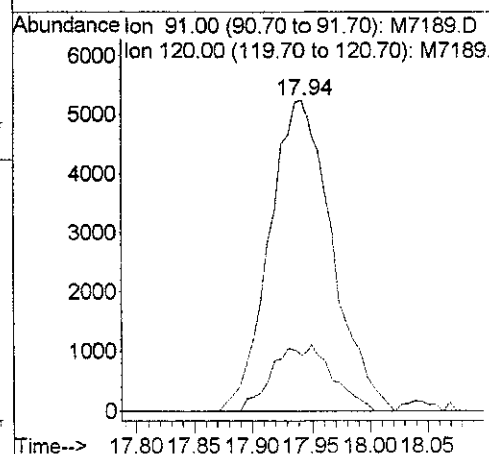
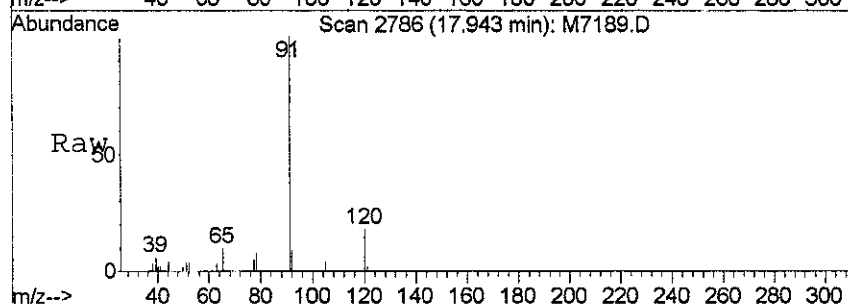


V-141



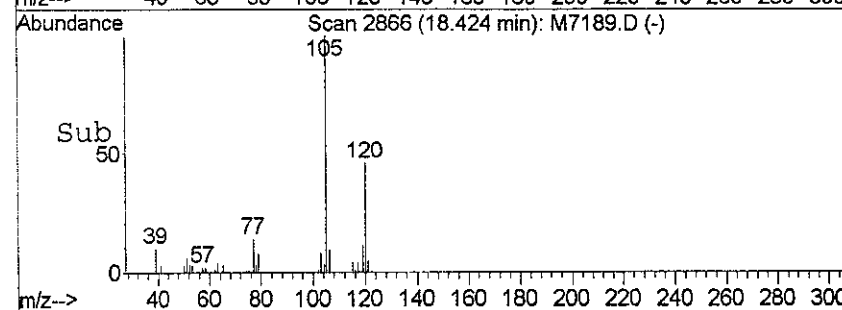
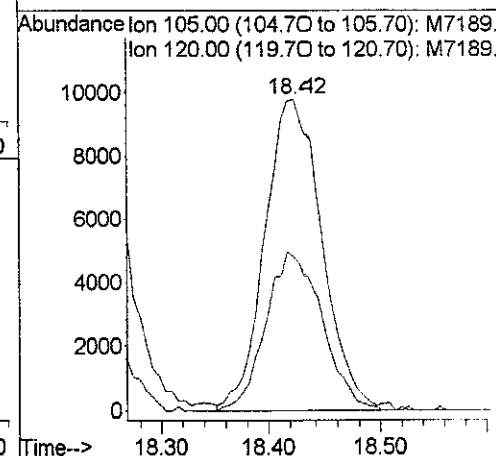
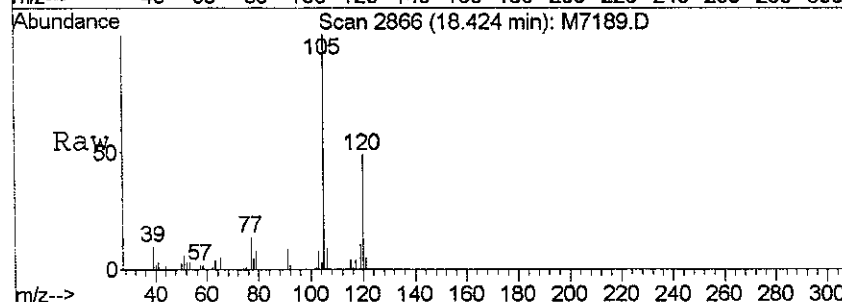
#59
n-Propyl benzene
Concen: 1.45 ug/l
RT: 17.94 min Scan# 2786
Delta R.T. 0.03 min
Lab File: M7189.D
Acq: 28 Jul 2006 18:34

Tgt Ion: 91 Resp: 19172
Ion Ratio Lower Upper
91 100
120 17.9 0.7 40.7

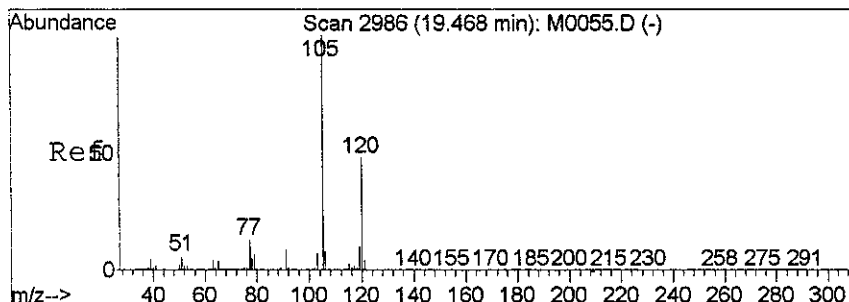


#61
1,3,5-Trimethylbenzene
Concen: 4.07 ug/l
RT: 18.42 min Scan# 2866
Delta R.T. 0.02 min
Lab File: M7189.D
Acq: 28 Jul 2006 18:34

Tgt Ion: 105 Resp: 34066
Ion Ratio Lower Upper
105 100
120 48.8 33.8 73.8



V-142



#65

1,2,4-Trimethylbenzene

Concen: 14.00 ug/l

RT: 19.25 min Scan# 3003

Delta R.T. 0.02 min

Lab File: M7189.D

Acq: 28 Jul 2006 18:34

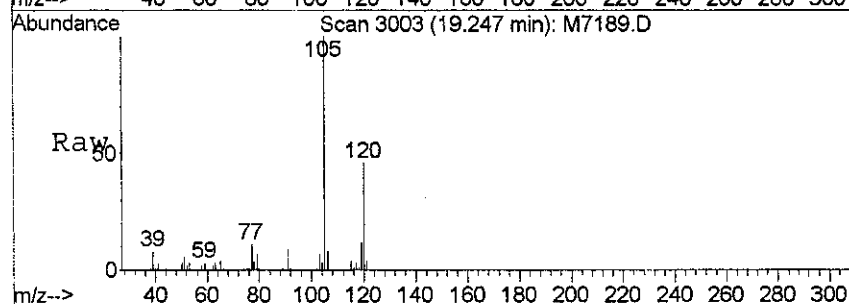
Tgt Ion: 105 Resp: 119152

Ion Ratio Lower Upper

105 100

120 46.1 30.8 70.8

77 11.0 0.0 32.6

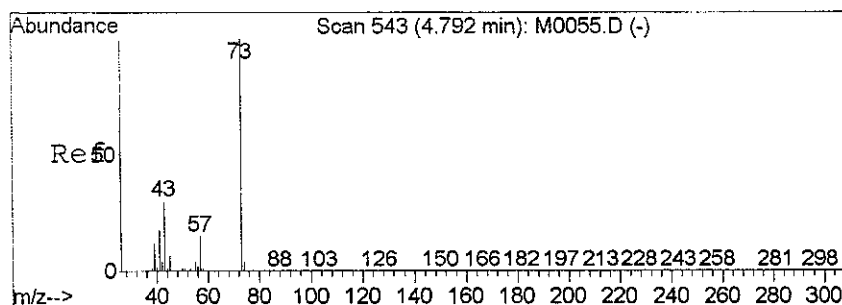
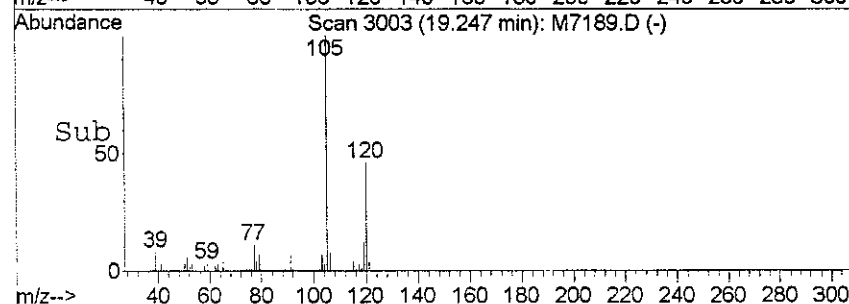
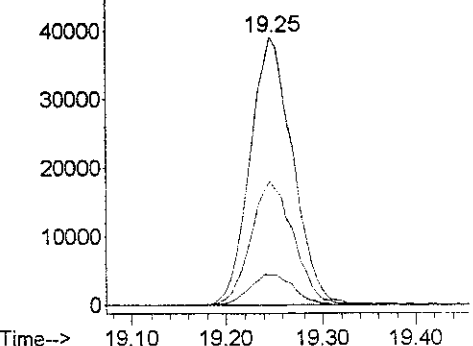


Abundance

Ion 105.00 (104.70 to 105.70): M7189.D

Ion 120.00 (119.70 to 120.70): M7189.D

Ion 77.00 (76.70 to 77.70): M7189.D



#77

Methyl t-butyl ether

Concen: 2.64 ug/l

RT: 4.75 min Scan# 590

Delta R.T. 0.01 min

Lab File: M7189.D

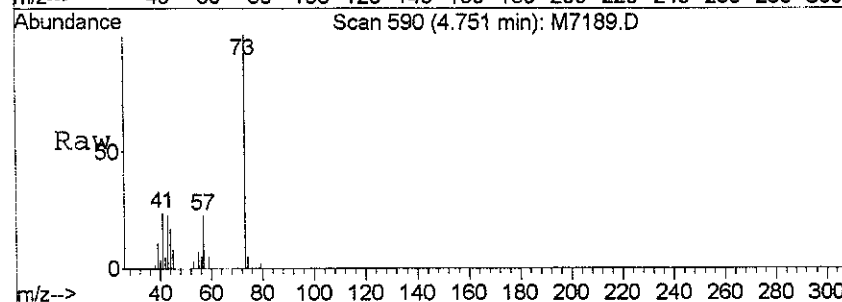
Acq: 28 Jul 2006 18:34

Tgt Ion: 73 Resp: 15894

Ion Ratio Lower Upper

73 100

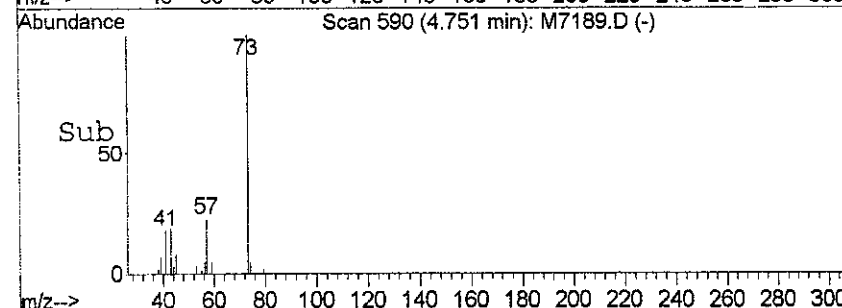
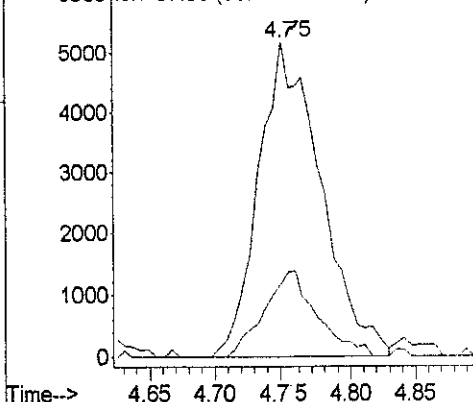
57 22.8 6.1 46.1



Abundance

Ion 73.00 (72.70 to 73.70): M7189.D

Ion 57.00 (56.70 to 57.70): M7189.D



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Data File : D:\M\DATA\JUL06\M0728\M7189.D

Vial: 14

Acq On : 28 Jul 2006 18:34

Operator:

Sample : 0607119DL

Inst : GC/MS Ins

Misc : WATER 2903 ~~05-DP2DL~~ ~~05-DP2 ADL~~ (e)

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Jul 31 11:08 2006

Quant Results File: VM8A0703.RES

Quant Method : D:\M\METHODS\VM8A0703.M (RTE Integrator)

Title : VOA 8260 METHOD

Last Update : Mon Jul 03 13:08:12 2006

Response via : Initial Calibration

DataAcq Meth : VM8A0703

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.48	168	161120	50.00	ug/l	0.03
24) 1,4-Difluorobenzene	8.61	114	360380	50.00	ug/l	0.02
43) Chlorobenzene-d5	13.80	117	323885	50.00	ug/l	0.03
55) 1,4-Dichlorobenzene-d4	19.99	152	127012	50.00	ug/l	0.03

System Monitoring Compounds

25) 1,2-Dichloroethane-d4	7.93	65	118497	46.24	ug/l	0.02
Spiked Amount	50.000	Range	76 - 114	Recovery	=	92.48%
36) Toluene-d8	10.93	98	373949	48.16	ug/l	0.03
Spiked Amount	50.000	Range	88 - 110	Recovery	=	96.32%
42) Bromofluorobenzene	17.35	95	144051	49.95	ug/l	0.03
Spiked Amount	50.000	Range	86 - 115	Recovery	=	99.90%

Target Compounds

						Qvalue
29) Benzene	7.86	78	169612	16.15	ug/l	98
37) Toluene	11.03	91	164548	15.36	ug/l	98
48) Ethylbenzene	14.09	91	248244	20.50	ug/l	98
51) m,p-Xylene	14.42	91	628780	71.17	ug/l	98
52) o-Xylene	15.58	91	184437	21.06	ug/l	96
56) Isopropylbenzene	16.80	105	10492	1.04	ug/l	94
59) n-Propyl benzene	17.94	91	19172	1.45	ug/l	94
61) 1,3,5-Trimethylbenzene	18.42	105	34066	4.07	ug/l	93
65) 1,2,4-Trimethylbenzene	19.25	105	119152	14.00	ug/l	94
77) Methyl t-butyl ether	4.75	73	15894	2.64	ug/l	94

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

M7189.D VM8A0703.M

Mon Aug 07 15:45:03 2006

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBKLD58

Lab Name: ACCREDITED ANALYTICAL RES Contract: _____

Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: VBKLD58

Sample wt/vol: 5.0 (g/ml) G Lab File ID: D4360.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. 0 Date Analyzed: 8/1/06

GC Column: Rtx-624 ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

71432	Benzene	2	U
108883	Toluene	2	U
100414	Ethylbenzene	2	U
1330207	m,p-Xylene	2	U
95476	o-Xylene	2	U
98828	Isopropylbenzene	1	U
103651	n-Propyl benzene	1	U
108678	1,3,5-Trimethylbenzene	1	U
98066	tert-Butylbenzene	1	U
95636	1,2,4-Trimethylbenzene	1	U
135988	sec-Butylbenzene	1	U
99876	p-Isopropyltoluene	1	U
104518	n-Butylbenzene	1	U
1634044	Methyl t-butyl ether	1	U

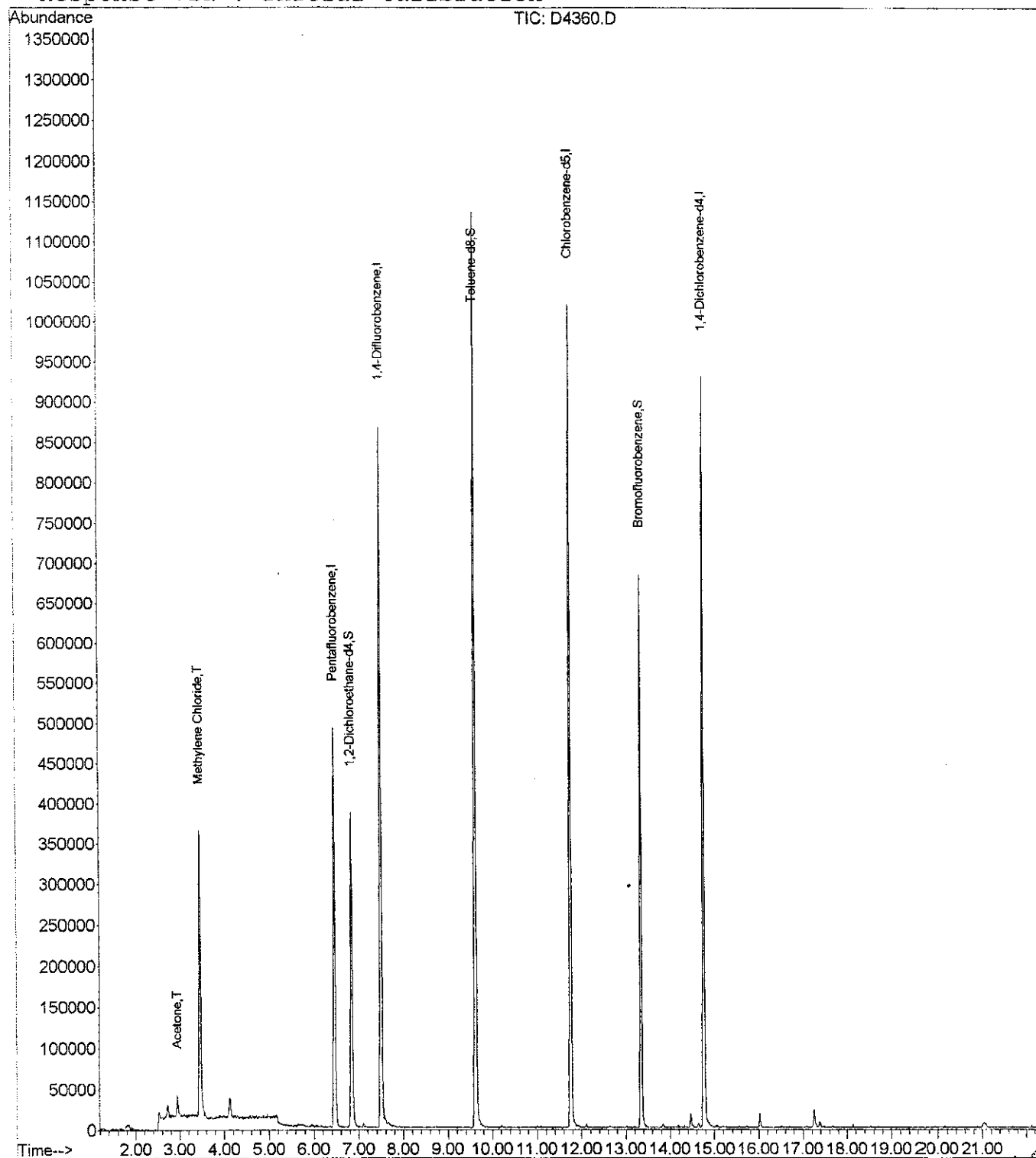
Quantitation Report

Data File : D:\D\DATA\AUG06\D0801\D4360.D
Acq On : 1 Aug 2006 11:04
Sample : VBLKD58
Misc : SOIL
MS Integration Params: rteint.p
Quant Time: Aug 1 13:27 2006

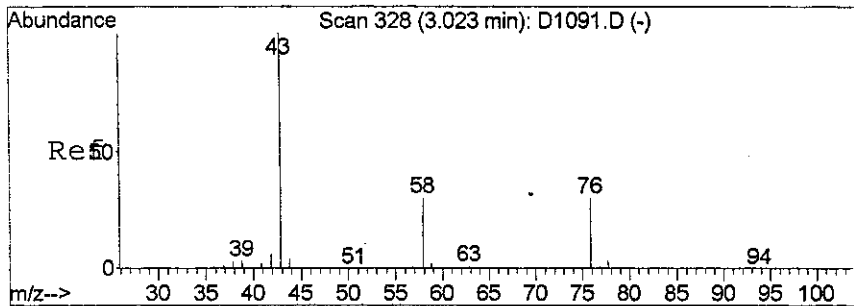
Vial: 16
Operator:
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: VD8S0718.R

Method : D:\D\METHODS\VD8S0718.M (RTE Integrator)
Title : VOA 8260 METHOD
Last Update : Tue Jul 18 13:28:21 2006
Response via : Initial Calibration



V-239



#4

Acetone

Concen: 5.86 ug/l

RT: 2.95 min Scan# 315

Delta R.T. -0.14 min

Lab File: D4360.D

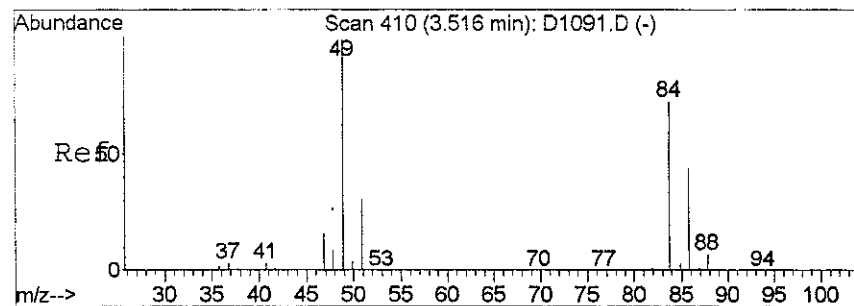
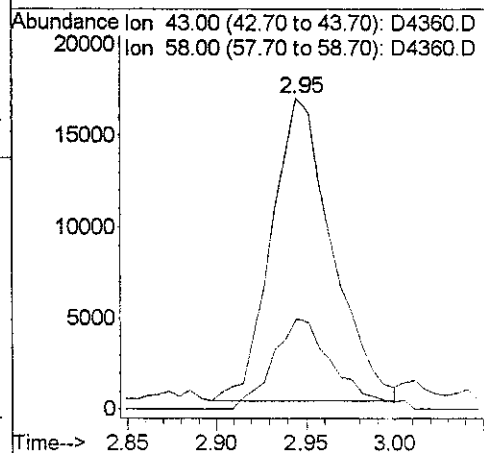
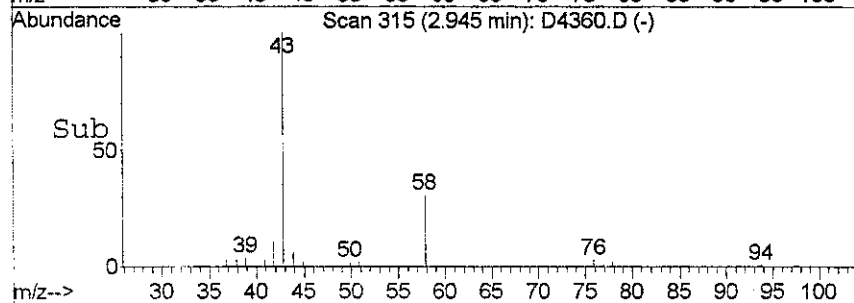
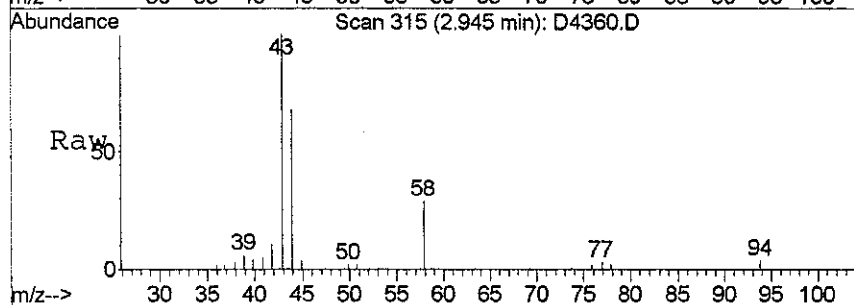
Acq: 1 Aug 2006 11:04

Tgt Ion: 43 Resp: 38595

Ion Ratio Lower Upper

43 100

58 29.2 8.5 48.5



#13

Methylene Chloride

Concen: 10.76 ug/l

RT: 3.46 min Scan# 400

Delta R.T. 0.01 min

Lab File: D4360.D

Acq: 1 Aug 2006 11:04

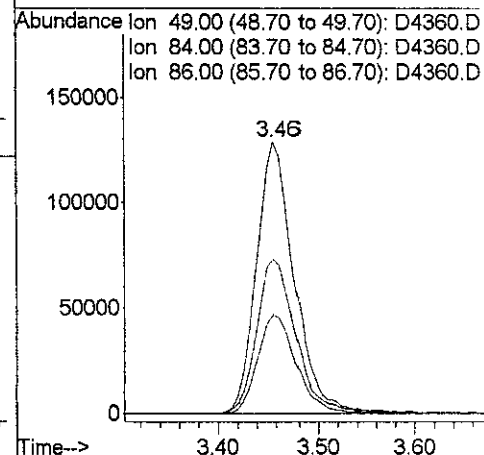
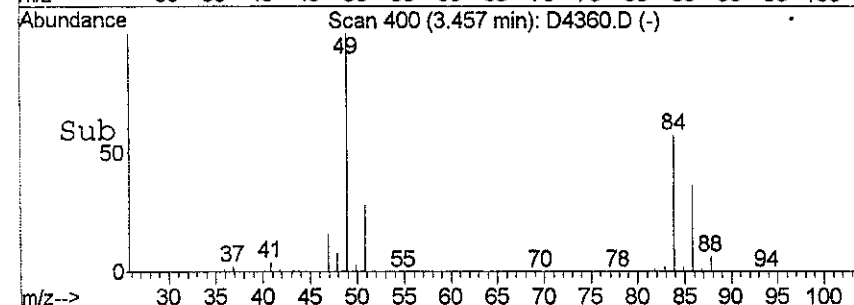
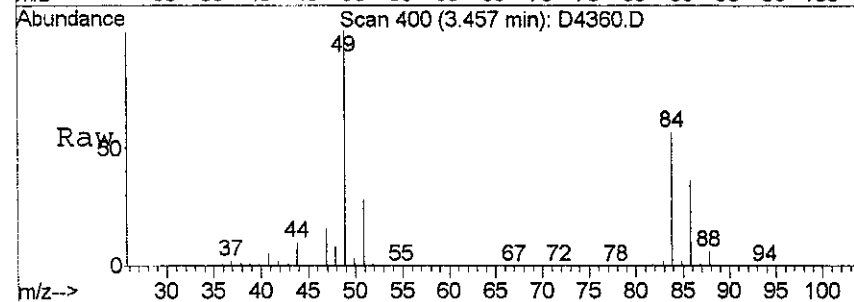
Tgt Ion: 49 Resp: 336865

Ion Ratio Lower Upper

49 100

84 56.5 58.1 98.1#

86 36.1 31.7 71.7



Data File : D:\D\DATA\AUG06\D0801\D4360.D

Vial: 16

Acq On : 1 Aug 2006 11:04

Operator:

Sample : VBLKD58

Inst : GC/MS Ins

Misc : SOIL

Multiplr: 1.00

MS Integration Params: rteint.p .

Quant Time: Aug 1 13:27 2006

Quant Results File: VD8S0718.RES

Quant Method : D:\D\METHODS\VD8S0718.M (RTE Integrator)

Title : VOA 8260 METHOD

Last Update : Tue Jul 18 13:28:21 2006

Response via : Initial Calibration

DataAcq Meth : VD8S0718

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) Pentafluorobenzene	6.46	168	385482	50.00	ug/l	-0.14
24) 1,4-Difluorobenzene	7.50	114	819052	50.00	ug/l	0.00
43) Chlorobenzene-d5	11.75	117	667959	50.00	ug/l	0.00
55) 1,4-Dichlorobenzene-d4	14.76	152	284098	50.00	ug/l	0.00

System Monitoring Compounds

25) 1,2-Dichloroethane-d4	6.84	65	318258	51.81	ug/l	0.00
Spiked Amount	50.000	Range	70 - 121	Recovery	=	103.62%
36) Toluene-d8	9.62	98	922243	49.27	ug/l	0.00
Spiked Amount	50.000	Range	81 - 117	Recovery	=	98.54%
42) Bromofluorobenzene	13.34	95	340247	45.87	ug/l	0.00
Spiked Amount	50.000	Range	74 - 121	Recovery	=	91.74%

Target Compounds

						Qvalue
4) Acetone	2.95	43	38595	5.86	ug/l	99
13) Methylene Chloride	3.46	49	336865	10.76	ug/l #	76

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

D4360.D VD8S0718.M

Mon Aug 07 16:43:02 2006

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VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLKD59

Lab Name: ACCREDITED ANALYTICAL RES Contract: _____

Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: VBLKD59

Sample wt/vol: 5.0 (g/ml) G Lab File ID: D4389.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. 0 Date Analyzed: 8/2/06

GC Column: Rtx-624 ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
71432	Benzene	2	U	
108883	Toluene	2	U	
100414	Ethylbenzene	2	U	
1330207	m,p-Xylene	2	U	
95476	o-Xylene	2	U	
98828	Isopropylbenzene	1	U	
103651	n-Propyl benzene	1	U	
108678	1,3,5-Trimethylbenzene	1	U	
98066	tert-Butylbenzene	1	U	
95636	1,2,4-Trimethylbenzene	1	U	
135988	sec-Butylbenzene	1	U	
99876	p-Isopropyltoluene	1	U	
104518	n-Butylbenzene	1	U	
1634044	Methyl t-butyl ether	1	U	

Quantitation Report

Data File : D:\D\DATA\AUG06\D0802\D4389.D

Vial: 16

Acq On : 2 Aug 2006 9:59

Operator:

Sample : VBLKD59

Inst : GC/MS Ins

Misc : SOIL

Multiplr: 1.00

MS Integration Params: rteint.p.

Quant Time: Aug 2 10:28 2006

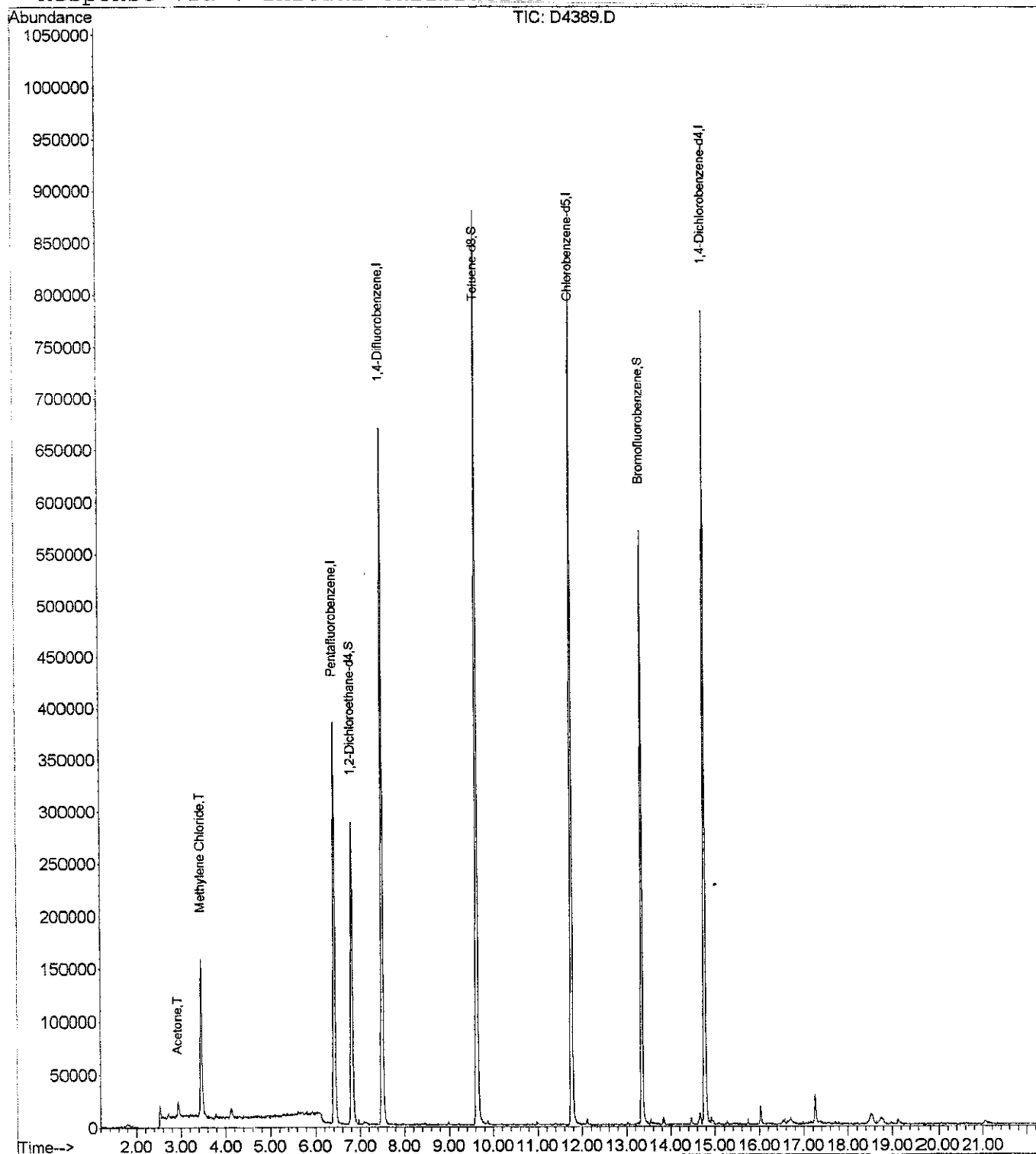
Quant Results File: VD8S0718.R

Method : D:\D\METHODS\VD8S0718.M (RTE Integrator)

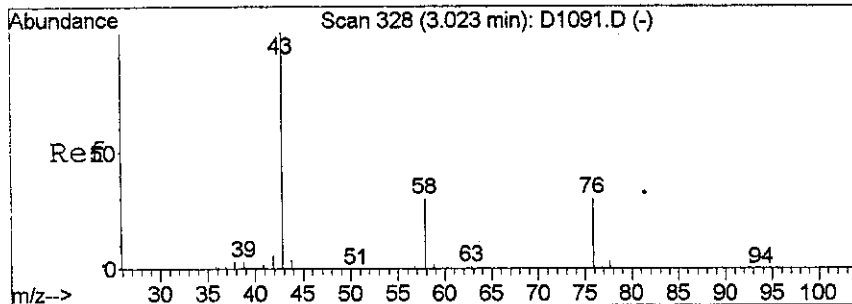
Title : VOA 8260 METHOD

Last Update : Tue Jul 18 13:28:21 2006

Response via : Initial Calibration

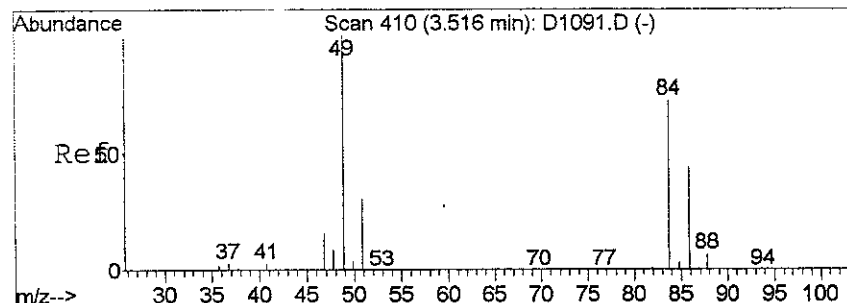
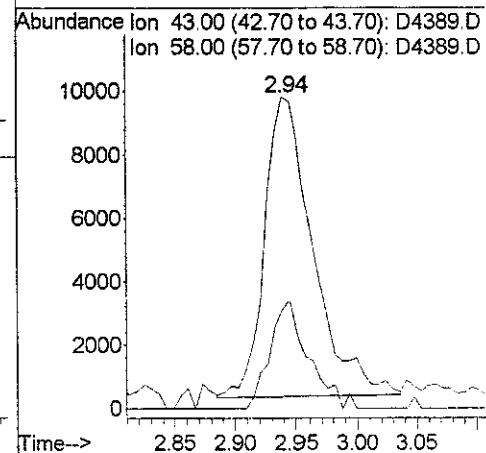
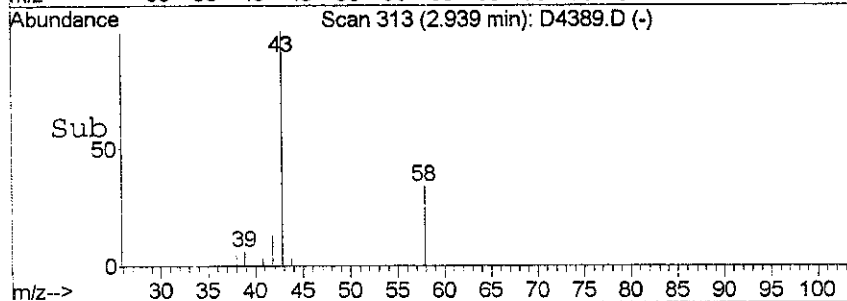
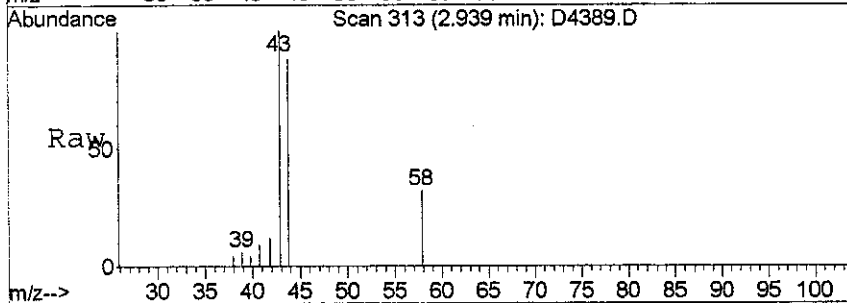


V-24E



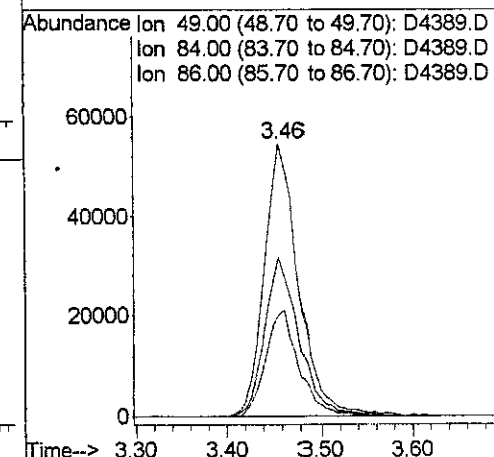
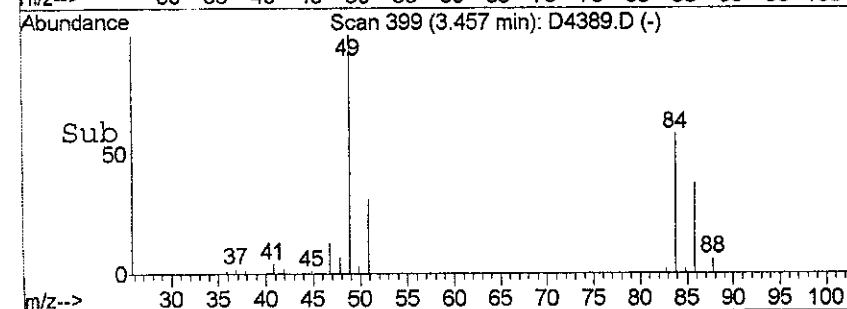
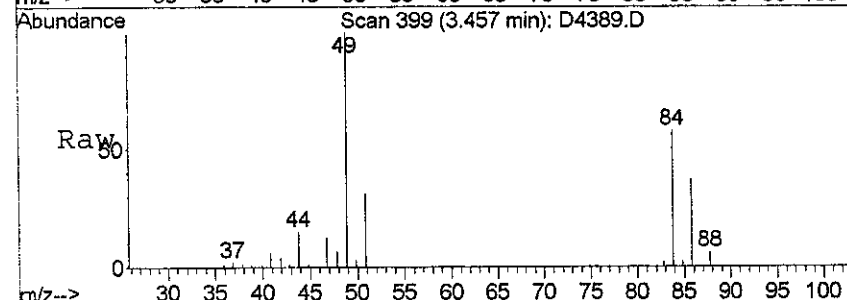
#4
Acetone
Concen: 4.71 ug/l
RT: 2.94 min Scan# 313
Delta R.T. -0.15 min
Lab File: D4389.D
Acq: 2 Aug 2006 9:59

Tgt Ion: 43 Resp: 25750
Ion Ratio Lower Upper
43 100
58 31.7 8.5 48.5



#13
Methylene Chloride
Concen: 5.29 ug/l
RT: 3.46 min Scan# 399
Delta R.T. 0.01 min
Lab File: D4389.D
Acq: 2 Aug 2006 9:59

Tgt Ion: 49 Resp: 137542
Ion Ratio Lower Upper
49 100
84 58.1 58.1 98.1
86 36.7 31.7 71.7



Y-244

Data File : D:\D\DATA\AUG06\D0802\D4389.D

Vial: 16

Acq On : 2 Aug 2006 9:59

Operator:

Sample : VBLKD59

Inst : GC/MS Ins

Misc : SOIL

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Aug 2 10:28 2006

Quant Results File: VD8S0718.RES

Quant Method : D:\D\METHODS\VD8S0718.M (RTE Integrator)

Title : VOA 8260 METHOD

Last Update : Tue Jul 18 13:28:21 2006

Response via : Initial Calibration

DataAcq Meth : VD8S0718

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	320075	50.00	ug/l	-0.18
24) 1,4-Difluorobenzene	7.50	114	669852	50.00	ug/l	0.00
43) Chlorobenzene-d5	11.77	117	559903	50.00	ug/l	0.01
55) 1,4-Dichlorobenzene-d4	14.77	152	246938	50.00	ug/l	0.00

System Monitoring Compounds

25) 1,2-Dichloroethane-d4	6.81	65	249098	49.59	ug/l	-0.02
Spiked Amount	50.000	Range	70 - 121	Recovery	=	99.18%
36) Toluene-d8	9.64	98	749492	48.96	ug/l	0.01
Spiked Amount	50.000	Range	81 - 117	Recovery	=	97.92%
42) Bromofluorobenzene	13.35	95	287480	47.39	ug/l	0.01
Spiked Amount	50.000	Range	74 - 121	Recovery	=	94.78%

Target Compounds

						Qvalue
4) Acetone	2.94	43	25750	4.71	ug/l	94
13) Methylene Chloride	3.46	49	137542	5.29	ug/l	78

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

D4389.D VD8S0718.M

Mon Aug 07 16:50:27 2006

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VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLKM70MS

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____

Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: VBLKM70MS

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: M7180.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 7/28/06

GC Column: Rtx-624 ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

71432	Benzene	56	
108883	Toluene	52	
100414	Ethylbenzene	1	U
1330207	m,p-Xylene	2	U
95476	o-Xylene	2	U
98828	Isopropylbenzene	1	U
103651	n-Propyl benzene	1	U
108678	1,3,5-Trimethylbenzene	1	U
98066	tert-Butylbenzene	1	U
95636	1,2,4-Trimethylbenzene	1	U
135988	sec-Butylbenzene	1	U
99876	p-Isopropyltoluene	1	U
104518	n-Butylbenzene	1	U
1634044	Methyl t-butyl ether	1	U

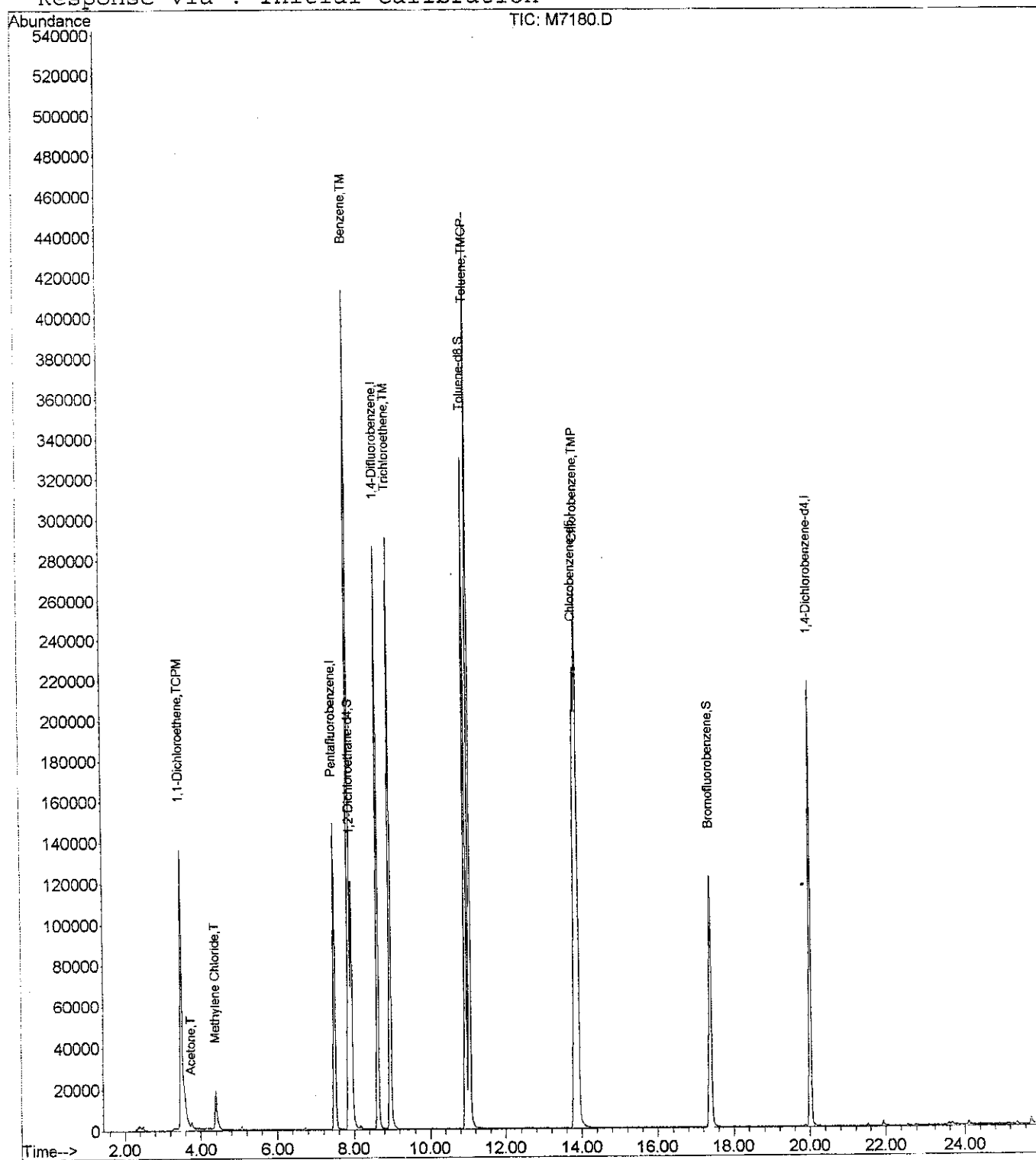
Quantitation Report

Data File : D:\M\DATA\JUL06\M0728\M7180.D
Acq On : 28 Jul 2006 13:36
Sample : VBLKM70MS
Misc : WATER
MS Integration Params: rteint.p
Quant Time: Aug 7 15:46 2006

Vial: 4
Operator:
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: VM8A0703.R

Method : D:\M\METHODS\VM8A0703.M (RTE Integrator)
Title : VOA 8260 METHOD
Last Update : Mon Jul 03 13:08:12 2006
Response via : Initial Calibration



V-245

Data File : D:\M\DATA\JUL06\M0728\M7180.D

Vial: 4

Acq On : 28 Jul 2006 13:36

Operator:

Sample : VBLKM70MS

Inst : GC/MS Ins

Misc : WATER

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Aug 7 15:46 2006

Quant Results File: VM8A0703.RES

Quant Method : D:\M\METHODS\VM8A0703.M (RTE Integrator)

Title : VOA 8260 METHOD

Last Update : Mon Jul 03 13:08:12 2006

Response via : Initial Calibration

DataAcq Meth : VM8A0703

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.48	168	153405	50.00	ug/l	0.04
24) 1,4-Difluorobenzene	8.62	114	351534	50.00	ug/l	0.03
43) Chlorobenzene-d5	13.82	117	305353	50.00	ug/l	0.05
55) 1,4-Dichlorobenzene-d4	20.00	152	110153	50.00	ug/l	0.04

System Monitoring Compounds

25) 1,2-Dichloroethane-d4	7.94	65	114732	45.89	ug/l	0.03
Spiked Amount	50.000	Range	76 - 114	Recovery	=	91.78%
36) Toluene-d8	10.93	98	362241	47.83	ug/l	0.03
Spiked Amount	50.000	Range	88 - 110	Recovery	=	95.66%
42) Bromofluorobenzene	17.38	95	126104	44.83	ug/l	0.05
Spiked Amount	50.000	Range	86 - 115	Recovery	=	89.66%

Target Compounds

						Qvalue
4) Acetone	3.75	43	4130	4.62	ug/l	83
11) 1,1-Dichloroethene	3.48	61	171925	61.97	ug/l	85
13) Methylene Chloride	4.40	49	19392	5.99	ug/l	82
29) Benzene	7.86	78	577320	56.34	ug/l	98
30) Trichloroethene	8.95	95	149084	52.02	ug/l	96
37) Toluene	11.04	91	547092	52.37	ug/l	99
49) Chlorobenzene	13.89	112	347949	50.04	ug/l	99

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

M7180.D VM8A0703.M

Mon Aug 07 15:46:14 2006

Page 1

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBKLD58MS

Lab Name: ACCREDITED ANALYTICAL RES Contract: _____

Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: VBKLD58MS

Sample wt/vol: 5.0 (g/ml) G Lab File ID: D4364.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. 0 Date Analyzed: 8/1/06

GC Column: Rtx-624 ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

71432	Benzene	48	
108883	Toluene	44	
100414	Ethylbenzene	2	U
1330207	m,p-Xylene	2	U
95476	o-Xylene	2	U
98828	Isopropylbenzene	1	U
103651	n-Propyl benzene	1	U
108678	1,3,5-Trimethylbenzene	1	U
98066	tert-Butylbenzene	1	U
95636	1,2,4-Trimethylbenzene	1	U
135988	sec-Butylbenzene	1	U
99876	p-Isopropyltoluene	1	U
104518	n-Butylbenzene	1	U
1634044	Methyl t-butyl ether	1	U

Quantitation Report

Data File : D:\D\DATA\AUG06\D0801\D4364.D

Vial: 4

Acq On : 1 Aug 2006 13:27

Operator:

Sample : VBLKD58MS

Inst : GC/MS Ins

Misc : SOIL

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Aug 1 16:32 2006

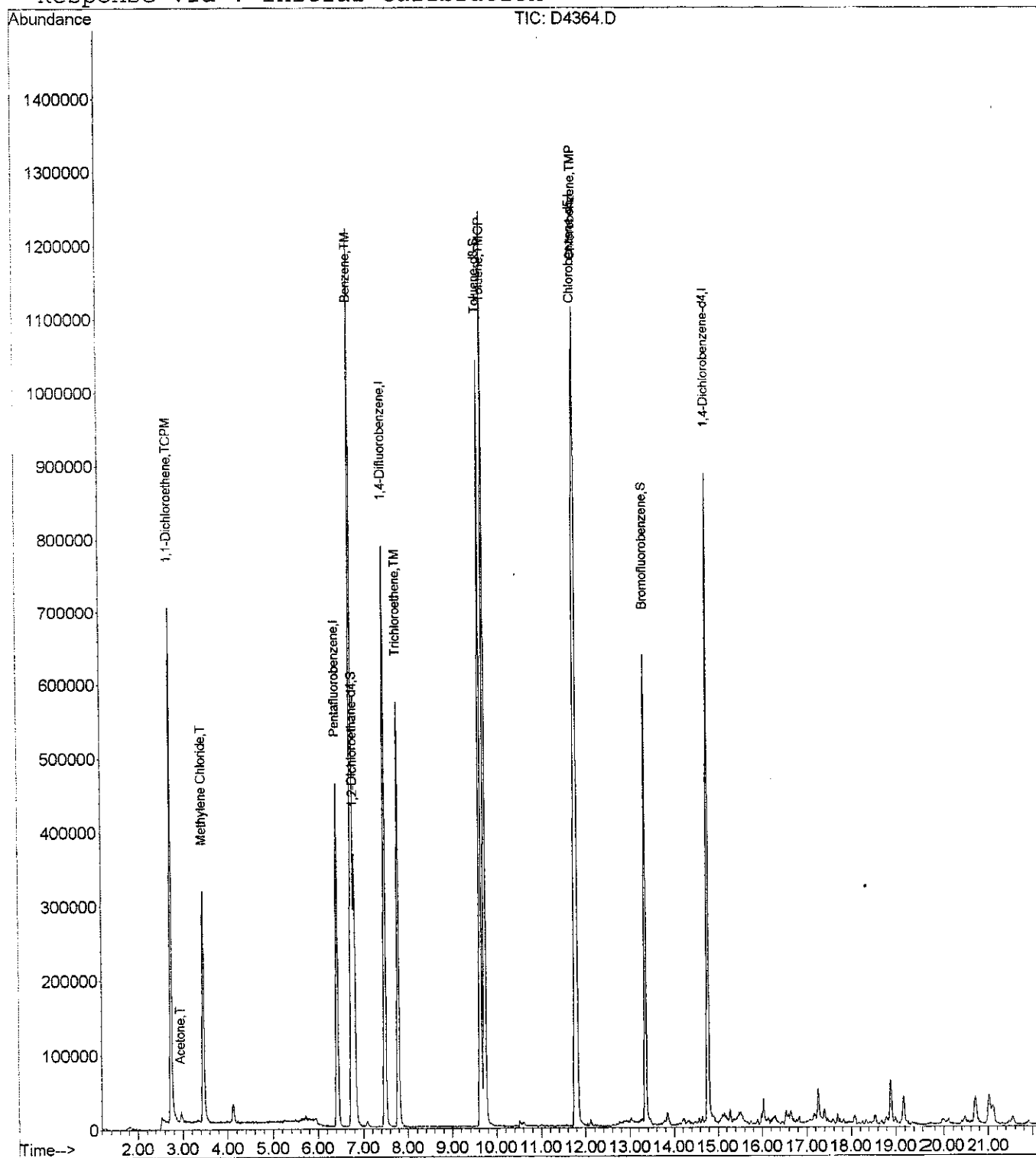
Quant Results File: VD8S0718.R

Method : D:\D\METHODS\VD8S0718.M (RTE Integrator)

Title : VOA 8260 METHOD

Last Update : Tue Jul 18 13:28:21 2006

Response via : Initial Calibration



Data File : D:\D\DATA\AUG06\D0801\D4364.D

Vial: 4

Acq On : 1 Aug 2006 13:27

Operator:

Sample : VBLKD58MS

Inst : GC/MS Ins

Misc : SOIL

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Aug 1 16:32 2006

Quant Results File: VD8S0718.RES

Quant Method : D:\D\METHODS\VD8S0718.M (RTE Integrator)

Title : VOA 8260 METHOD

Last Update : Tue Jul 18 13:28:21 2006

Response via : Initial Calibration

DataAcq Meth : VD8S0718

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.43	168	388313	50.00	ug/l	-0.17
24) 1,4-Difluorobenzene	7.49	114	790724	50.00	ug/l	-0.02
43) Chlorobenzene-d5	11.77	117	641764	50.00	ug/l	0.02
55) 1,4-Dichlorobenzene-d4	14.77	152	278310	50.00	ug/l	0.01

System Monitoring Compounds

25) 1,2-Dichloroethane-d4	6.81	65	290813	49.04	ug/l	-0.03
Spiked Amount	50.000	Range	70 - 121	Recovery	=	98.08%
36) Toluene-d8	9.63	98	892937	49.41	ug/l	0.01
Spiked Amount	50.000	Range	81 - 117	Recovery	=	98.82%
42) Bromofluorobenzene	13.35	95	334082	46.66	ug/l	0.01
Spiked Amount	50.000	Range	74 - 121	Recovery	=	93.32%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
4) Acetone	2.96	43	22777	3.44	ug/l	87
11) 1,1-Dichloroethene	2.74	61	584959	55.48	ug/l	94
13) Methylene Chloride	3.46	49	305868	9.70	ug/l	79
29) Benzene	6.75	78	1442729	48.01	ug/l	92
30) Trichloroethene	7.79	95	294518	43.44	ug/l	92
37) Toluene	9.74	91	1175926	44.41	ug/l	99
49) Chlorobenzene	11.81	112	664683	44.82	ug/l	97

Friday July 28, 2006

BFB

VM846703

VUNE
VSTD050
VBLK m70
VBLK m70

m7170

71

72

73

Site

DL Amt

5607103

m7174

2

STB

7104

75

3

7105

76

4

7106

77

5

7122

78

6

7123

79

7

VBLK m5

80

8

7115

81

9

7116

82

10

7117

83

11

7118

84

12

7119

85

13

7120ms

86

14

7121ms

87

15

1 upbms

88

16

7119DL

89

90

91

92

Continued on Page

Gary Lesh

Signed

7/28/06

Date

Read and Understood By

V-252

Signed

Date

Tuesday Aug 1, 2006

413

BPD

VD850718

VTUNE D4357
 VSTD050 58
 VBWD58 59
 VBLWD58 60

		Site	DL/Alt
0607213	D4361	1	STR
7210	62	2	
7044DL	63	3	1:100
VBWD58ms	64	4	
7108	65	8	STR
7109	66	9	
7110 DL	67	10	1:100
7111	68	11	1:20
7113ms	69	12	STR
7114msD	70	13	
7112	71	14	1:20
7184	72	15	STR
7185	73	16	
7207	74	1	1:100
7182	75	2	STR
7111 DL	76	3	1:100
7110	77	4	1:20
BLWDm	78	5	
BLWDm	79	6	
BLWDm	80	7	
BLWDm	81	8	

Continued on Page

Read and Understood By

V-253

[Signature]
 Signed

8/1/06
 Date

Signed

Date

Wednesday Aug 2, 2006

413

BFB
VD830718VTUNE
VSTD050
VBLK059
VBLK059D4386
87
88
89OG07012
7013
7109
7013ms
7013msD
7112
7110
DL424
7184
7070
7072
7074
7076
7078
7080
7080ms
7082
VBLK059ms
BLK24

D4390

91
92
93
94
95
96
97
98
99
4400
01
02
03
04
05
06
07
08
09
10
11
12

Site

DL/Ant

1

80ml

2

L

3

1:20

4

80ml

5

L

6

1:20

7

STR

8

80ml

9

1:10

10

1:10

11

12

13

14

15

16

17

18

19

20

21

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24

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29

30

Continued on Page

Read and Understood By

V-254

8/02/06

Signed

Date

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____
Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____
Level: (low/med) LOW

	EPA	S1	S2	S3	TOT
	SAMPLE NO.	(NBZ) #	(FBP) #	(TPH) #	OUT
01	05-DP8 S	55	63	78	0
02	05-DP6 S	62	62	73	0
03	05-DP5 S	70	74	90	0
04	05-DP4 S	50	57	76	0
05	MS S	57	65	81	0
06	MSD S	54	62	78	0
07	05-DP2 S	48	58	76	0
08	SBLK63	61	70	98	0
09	SBLK63MS	47	57	72	0

QC LIMITS

S1 (NBZ)	=	Nitrobenzene-d5	(23-120)
S2 (FBP)	=	2-Fluorobiphenyl	(30-115)
S3 (TPH)	=	Terphenyl-d14	(18-137)

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

WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____
 Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____

	EPA	S1	S2	S3	TOT
	SAMPLE NO.	(NBZ) #	(FBP) #	(TPH) #	OUT
01	SBLK61	64	77	102	0
02	SBLK61MS	61	75	101	0
03	05-DP8 A	51	57	79	0
04	05-DP6 A	50	57	75	0
05	05-DP5 A	45	52	80	0
06	05-DP4 A	54	64	77	0
07	05-DP2 A	57	61	79	0
08	MS A	59	60	68	0
09	MSD A	43	49	63	0
10	05-DP2 ADL	42	52	61	0
11	FIELD BLANK	64	68	100	0

QC LIMITS

S1 (NBZ)	=	Nitrobenzene-d5	(35-114)
S2 (FBP)	=	2-Fluorobiphenyl	(43-116)
S3 (TPH)	=	Terphenyl-d14	(33-141)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____
 Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____
 Matrix Spike - EPA Sample No SBLK61

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
1,4-Dichlorobenzene	50	0.0	37	74	36 - 97
N-Nitroso-di-n-propylamine	50	0.0	37	74	41 - 116
1,2,4-Trichlorobenzene	50	0.0	38	76	39 - 98
Acenaphthene	50	0.0	46	92	46 - 118
2,4-Dinitrotoluene	50	0.0	42	84	24 - 96
Pyrene	50	0.0	59	118	26 - 127

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

* Values outside of QC limits

RPD: 6 out of 6 outside limits

Spike Recovery: 6 out of 12 outside limits

COMMENTS:

SV-3

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ACCREDITED ANALYTICAL RES Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix Spike - EPA Sample No. SBLK63 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
1,4-Dichlorobenzene	3300	0.0	2200	67	28 - 104
N-Nitroso-di-n-propylamine	3300	0.0	1900	58	41 - 126
1,2,4-Trichlorobenzene	3300	0.0	2300	70	38 - 107
Acenaphthene	3300	0.0	2400	73	31 - 137
2,4-Dinitrotoluene	3300	0.0	2300	70	28 - 89
Pyrene	3300	0.0	3200	97	35 - 142

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

* Values outside of QC limits

RPD: 6 out of 6 outside limits

Spike Recovery: 6 out of 12 outside limits

COMMENTS:

SV-4

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix Spike - EPA Sample No MS A

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
1,4-Dichlorobenzene	50	0.0	36	72	36 - 97
N-Nitroso-di-n-propylamine	50	0.0	36	72	41 - 116
1,2,4-Trichlorobenzene	50	0.0	36	72	39 - 98
Acenaphthene	50	0.0	39	78	46 - 118
2,4-Dinitrotoluene	50	0.0	48	96	24 - 96
Pyrene	50	0.0	62	124	26 - 127

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	REC.
1,4-Dichlorobenzene	50	25	50	36 *	28	36 - 97
N-Nitroso-di-n-propylamine	50	26	52	32	38	41 - 116
1,2,4-Trichlorobenzene	50	27	54	29 *	28	39 - 98
Acenaphthene	50	34	68	14	31	46 - 118
2,4-Dinitrotoluene	50	45	90	6	38	24 - 96
Pyrene	50	58	116	7	31	26 - 127

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

* Values outside of QC limits

RPD: 2 out of 6 outside limits

Spike Recovery: 0 out of 12 outside limits

COMMENTS:

SV-5

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ACCREDITED ANALYTICAL RES Contract: _____
 Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____
 Matrix Spike - EPA Sample No. MS S Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
1,4-Dichlorobenzene	3300	0.0	2600	79	28 - 104
N-Nitroso-di-n-propylamine	3300	0.0	2100	64	41 - 126
1,2,4-Trichlorobenzene	3300	0.0	2800	85	38 - 107
Acenaphthene	3300	0.0	2800	85	31 - 137
2,4-Dinitrotoluene	3300	0.0	2700	82	28 - 89
Pyrene	3300	0.0	3400	103	35 - 142

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	REC.
1,4-Dichlorobenzene	3300	2700	82	4	27	28 - 104
N-Nitroso-di-n-propylamine	3300	2100	64	0	38	41 - 126
1,2,4-Trichlorobenzene	3300	2700	82	4	23	38 - 107
Acenaphthene	3300	2800	85	0	19	31 - 137
2,4-Dinitrotoluene	3300	2700	82	0	47	28 - 89
Pyrene	3300	3300	100	3	36	35 - 142

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

* Values outside of QC limits

RPD: 0 out of 6 outside limits

Spike Recovery: 0 out of 12 outside limits

COMMENTS:

SV-6

4B
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK63

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____
Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____
Lab File ID: F5892.D Lab Sample ID: SBLK63
Instrument ID: HP5971AF Date Extracted: 7/31/2006
Matrix: (soil/water) SOIL Date Analyzed: 8/2/2006
Level: (low/med) LOW Time Analyzed: 11:42

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	05-DP8 S	0607108	F5880.D	8/1/2006
02	05-DP6 S	0607109	F5881.D	8/1/2006
03	05-DP5 S	0607110	F5882.D	8/1/2006
04	05-DP4 S	0607111	F5883.D	8/1/2006
05	MS S	0607113	F5884.D	8/1/2006
06	MSD S	0607114	F5885.D	8/1/2006
07	05-DP2 S	0607112	F5886.D	8/1/2006
08	SBLK63MS	SBLK63MS	F5893.D	8/2/2006

COMMENTS:

SV-17

SEMIVOLATILE METHOD BLANK SUMMARY

SBLK61

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____
Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____
Lab File ID: F5867.D Lab Sample ID: SBLK61
Instrument ID: HP5971AF Date Extracted: 7/28/2006
Matrix: (soil/water) WATER Date Analyzed: 7/31/2006
Level: (low/med) LOW Time Analyzed: 19:00

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	SBLK61MS	SBLK61MS	F5868.D	7/31/2006
02	05-DP8 A	0607115	F5870.D	7/31/2006
03	05-DP6 A	0607116	F5871.D	7/31/2006
04	05-DP5 A	0607117	F5875.D	8/1/2006
05	05-DP4 A	0607118	F5876.D	8/1/2006
06	05-DP2 A	0607119	F5877.D	8/1/2006
07	MS A	0607120	F5878.D	8/1/2006
08	MSD A	0607121	F5879.D	8/1/2006
09	05-DP2 ADL	0607119DL	F5902.D	8/2/2006
10	FIELD BLANK	0607123	F5954.D	8/8/2006

COMMENTS:

SV-8

**SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)**

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____
 Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____
 Lab File ID: F5826.D DFTPP Injection Date: 7/25/2006
 Instrument ID: HP5971AF DFTPP Injection Time: 12:17

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	52.0
68	Less than 2.0% of mass 69	0.8 (1.2)1
69	Mass 69 Relative abundance	71.2
70	Less than 2.0% of mass 69	0.2 (0.3)1
127	25.0 - 75.0% of mass 198	42.9
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.3
275	10.0 - 30.0% of mass 198	19.2
365	Greater than 0.75% of mass 198	1.7
441	Present, but less than mass 443	6.7
442	40.0 - 110.0% of mass 198	50.4
443	15.0 - 24.0% of mass 442	9.2 (18.3)2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD050	SSTD050	F5827.D	7/25/2006	12:34
02	SSTD160	SSTD160	F5828.D	7/25/2006	13:20
03	SSTD020	SSTD020	F5829.D	7/25/2006	14:05
04	SSTD080	SSTD080	F5830.D	7/25/2006	14:51
05	SSTD120	SSTD120	F5831.D	7/25/2006	15:36

SV-9

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____
 Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____
 Lab File ID: F5855.D DFTPP Injection Date: 7/31/2006
 Instrument ID: HP5971AF DFTPP Injection Time: 10:22

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	45.5
68	Less than 2.0% of mass 69	1.0 (1.6)1
69	Mass 69 Relative abundance	59.7
70	Less than 2.0% of mass 69	0.4 (0.7)1
127	25.0 - 75.0% of mass 198	41.2
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.4
275	10.0 - 30.0% of mass 198	19.2
365	Greater than 0.75% of mass 198	1.8
441	Present, but less than mass 443	0.2
442	40.0 - 110.0% of mass 198	49.0
443	15.0 - 24.0% of mass 442	9.1 (18.5)2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD050	SSTD050	F5856.D	7/31/2006	10:39
02	SBLK61	SBLK61	F5867.D	7/31/2006	19:00
03	SBLK61MS	SBLK61MS	F5868.D	7/31/2006	19:46
04	05-DP8 A	0607115	F5870.D	7/31/2006	21:17
05	05-DP6 A	0607116	F5871.D	7/31/2006	22:02

SV-10

**SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)**

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____
 Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____
 Lab File ID: F5873.D DFTPP Injection Date: 8/1/2006
 Instrument ID: HP5971AF DFTPP Injection Time: 8:08

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	42.2
68	Less than 2.0% of mass 69	0.4 (0.7)1
69	Mass 69 Relative abundance	59.4
70	Less than 2.0% of mass 69	0.4 (0.7)1
127	25.0 - 75.0% of mass 198	42.7
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 30.0% of mass 198	19.6
365	Greater than 0.75% of mass 198	1.8
441	Present, but less than mass 443	0.1
442	40.0 - 110.0% of mass 198	55.0
443	15.0 - 24.0% of mass 442	9.9 (18.0)2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD050	SSTD050	F5874.D	8/1/2006	8:24
02	05-DP5 A	0607117	F5875.D	8/1/2006	9:15
03	05-DP4 A	0607118	F5876.D	8/1/2006	10:01
04	05-DP2 A	0607119	F5877.D	8/1/2006	10:46
05	MS A	0607120	F5878.D	8/1/2006	11:32
06	MSD A	0607121	F5879.D	8/1/2006	12:17
07	05-DP8 S	0607108	F5880.D	8/1/2006	13:03
08	05-DP6 S	0607109	F5881.D	8/1/2006	13:49
09	05-DP5 S	0607110	F5882.D	8/1/2006	14:35
10	05-DP4 S	0607111	F5883.D	8/1/2006	15:21
11	MS S	0607113	F5884.D	8/1/2006	16:07
12	MSD S	0607114	F5885.D	8/1/2006	16:53
13	05-DP2 S	0607112	F5886.D	8/1/2006	17:40

SV-11

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____
 Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____
 Lab File ID: F5890.D DFTPP Injection Date: 8/2/2006
 Instrument ID: HP5971AF DFTPP Injection Time: 10:40

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	39.6
68	Less than 2.0% of mass 69	0.7 (1.2)1
69	Mass 69 Relative abundance	58.6
70	Less than 2.0% of mass 69	0.8 (1.4)1
127	25.0 - 75.0% of mass 198	44.4
197	Less than 1.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.4
275	10.0 - 30.0% of mass 198	19.0
365	Greater than 0.75% of mass 198	2.6
441	Present, but less than mass 443	0.3
442	40.0 - 110.0% of mass 198	59.1
443	15.0 - 24.0% of mass 442	10.7 (18.1)2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD050	SSTD050	F5891.D	8/2/2006	10:57
02	SBLK63	SBLK63	F5892.D	8/2/2006	11:42
03	SBLK63MS	SBLK63MS	F5893.D	8/2/2006	12:28
04	05-DP2 ADL	0607119DL	F5902.D	8/2/2006	19:23

SV-12

**SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)**

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____
 Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____
 Lab File ID: F5952.D DFTPP Injection Date: 8/8/2006
 Instrument ID: HP5971AF DFTPP Injection Time: 15:42

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	54.4
68	Less than 2.0% of mass 69	1.1 (1.4)1
69	Mass 69 Relative abundance	75.0
70	Less than 2.0% of mass 69	0.3 (0.4)1
127	25.0 - 75.0% of mass 198	45.0
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 30.0% of mass 198	18.8
365	Greater than 0.75% of mass 198	1.4
441	Present, but less than mass 443	2.7
442	40.0 - 110.0% of mass 198	45.7
443	15.0 - 24.0% of mass 442	8.6 (18.8)2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD050	SSTD050	F5953.D	8/8/2006	16:41
02	FIELD BLANK	0607123	F5954.D	8/8/2006	17:26

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____
 Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____
 Lab File ID (Standard): F5856.D Date Analyzed: 7/31/2006
 Instrument ID: HP5971AF Time Analyzed: 10:39

		IS1(DCB)		IS2(NPT)		IS3(ANT)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	305404	10.07	1240576	13.27	670148	17.80
	UPPER LIMIT	610808	10.57	2481152	13.77	1340296	18.30
	LOWER LIMIT	152702	9.57	620288	12.77	335074	17.30
EPA SAMPLE NO.							
01	SBLK61	359818	10.05	1392969	13.26	603482	17.79
02	SBLK61MS	310514	10.05	1190624	13.27	519295	17.79
03	05-DP8 A	317824	10.04	1176956	13.26	602913	17.78
04	05-DP6 A	315279	10.05	1185352	13.26	591275	17.78

IS1 (DCB) = 1,4-Dichlorobenzene-d4
 IS2 (NPT) = Naphthalene-d8
 IS3 (ANT) = Acenaphthene-d10
 IS4 (PHN) = Phenanthrene-d10
 IS5 (CRY) = Chrysene-d12
 IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

SV-14

8C
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____
 Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____
 Lab File ID (Standard): F5856.D Date Analyzed: 07/31/06
 Instrument ID: HP5971AF Time Analyzed: 10:39

		IS4(PHN)		IS5(CRY)		IS6(PRY)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		961516	21.55	855485	28.37	673629	31.77
UPPER LIMIT		1923032	21.05	1710970	27.87	1347258	31.27
LOWER LIMIT		480758	22.05	427743	28.87	336815	32.27
EPA SAMPLE NO.							
01	SBLK61	955125	21.54	858638	28.35	750621	31.76
02	SBLK61MS	761863	21.54	728841	28.34	597958	31.75
03	05-DP8 A	832961	21.53	711085	28.35	638537	31.75
04	05-DP6 A	819521	21.53	713797	28.35	641715	31.76

IS1 (DCB) = 1,4-Dichlorobenzene-d4
 IS2 (NPT) = Naphthalene-d8
 IS3 (ANT) = Acenaphthene-d10
 IS4 (PHN) = Phenanthrene-d10
 IS5 (CRY) = Chrysene-d12
 IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

SV-15

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____
 Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____
 Lab File ID (Standard): F5874.D Date Analyzed: 8/1/2006
 Instrument ID: HP5971AF Time Analyzed: 8:24

		IS1(DCB)		IS2(NPT)		IS3(ANT)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		397320	10.06	1536811	13.28	745461	17.80
UPPER LIMIT		794640	10.56	3073622	13.78	1490922	18.30
LOWER LIMIT		198660	9.56	768406	12.78	372731	17.30
EPA SAMPLE NO.							
01	05-DP8 S	318777	10.04	1218400	13.25	566626	17.77
02	05-DP6 S	333512	10.05	1107664	13.26	569957	17.78
03	05-DP5 S	308639	10.05	1063311	13.25	529737	17.78
04	05-DP4 S	302317	10.05	1083503	13.25	561948	17.78
05	MS S	310591	10.05	1086139	13.26	541539	17.77
06	MSD S	311264	10.05	1112105	13.26	565013	17.78
07	05-DP2 S	304107	10.04	1137806	13.25	568642	17.77

IS1 (DCB) = 1,4-Dichlorobenzene-d4
 IS2 (NPT) = Naphthalene-d8
 IS3 (ANT) = Acenaphthene-d10
 IS4 (PHN) = Phenanthrene-d10
 IS5 (CRY) = Chrysene-d12
 IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

SV-16

8C
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____
 Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____
 Lab File ID (Standard): F5874.D Date Analyzed: 08/01/06
 Instrument ID: HP5971AF Time Analyzed: 08:24

	IS4(PHN)		IS5(CRY)		IS6(PRY)	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	1051454	21.55	913225	28.38	778247	31.78
UPPER LIMIT	2102908	21.05	1826450	27.88	1556494	31.28
LOWER LIMIT	525727	22.05	456613	28.88	389124	32.28
EPA SAMPLE NO.						
01 05-DP8 S	835754	21.52	772376	28.34	625495	31.74
02 05-DP6 S	795907	21.54	772833	28.33	680173	31.75
03 05-DP5 S	809129	21.53	756586	28.33	634396	31.74
04 05-DP4 S	845505	21.53	762686	28.33	654522	31.74
05 MS S	825987	21.52	739615	28.33	655036	31.74
06 MSD S	876433	21.53	764319	28.33	649142	31.73
07 05-DP2 S	846355	21.52	691039	28.34	635990	31.75

IS1 (DCB) = 1,4-Dichlorobenzene-d4
 IS2 (NPT) = Naphthalene-d8
 IS3 (ANT) = Acenaphthene-d10
 IS4 (PHN) = Phenanthrene-d10
 IS5 (CRY) = Chrysene-d12
 IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

SV-17

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____
 Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____
 Lab File ID (Standard): F5874.D Date Analyzed: 8/1/2006
 Instrument ID: HP5971AF Time Analyzed: 8:24

		IS1(DCB)		IS2(NPT)		IS3(ANT)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		397320	10.06	1536811	13.28	745461	17.80
UPPER LIMIT		794640	10.56	3073622	13.78	1490922	18.30
LOWER LIMIT		198660	9.56	768406	12.78	372731	17.30
EPA SAMPLE NO.							
01	05-DP5 A	292563	10.05	1180389	13.27	594076	17.79
02	05-DP4 A	263068	10.05	1093265	13.26	541285	17.78
03	05-DP2 A	296482	10.08	1125651	13.29	586328	17.80
04	MS A	296569	10.05	1089236	13.27	571386	17.78
05	MSD A	321186	10.05	1156170	13.26	570339	17.78

IS1 (DCB) = 1,4-Dichlorobenzene-d4
 IS2 (NPT) = Naphthalene-d8
 IS3 (ANT) = Acenaphthene-d10
 IS4 (PHN) = Phenanthrene-d10
 IS5 (CRY) = Chrysene-d12
 IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

SV-18

8C
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____
 Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____
 Lab File ID (Standard): F5874.D Date Analyzed: 08/01/06
 Instrument ID: HP5971AF Time Analyzed: 08:24

		IS4(PHN)		IS5(CRY)		IS6(PRY)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	1051454	21.55	913225	28.38	778247	31.78
	UPPER LIMIT	2102908	21.05	1826450	27.88	1556494	31.28
	LOWER LIMIT	525727	22.05	456613	28.88	389124	32.28
EPA SAMPLE NO.							
01	05-DP5 A	843043	21.53	719544	28.35	615032	31.75
02	05-DP4 A	773008	21.53	646103	28.34	536343	31.75
03	05-DP2 A	805757	21.53	617824	28.34	523412	31.75
04	MS A	805181	21.53	685543	28.34	587024	31.74
05	MSD A	822705	21.53	694431	28.33	583677	31.74

IS1 (DCB) = 1,4-Dichlorobenzene-d4
 IS2 (NPT) = Naphthalene-d8
 IS3 (ANT) = Acenaphthene-d10
 IS4 (PHN) = Phenanthrene-d10
 IS5 (CRY) = Chrysene-d12
 IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.
 * Values outside of contract required QC limits

SV-19

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____
 Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____
 Lab File ID (Standard): F5891.D Date Analyzed: 8/2/2006
 Instrument ID: HP5971AF Time Analyzed: 10:57

	IS1(DCB)		IS2(NPT)		IS3(ANT)	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	474685	10.05	1802223	13.28	869083	17.81
UPPER LIMIT	949370	10.55	3604446	13.78	1738166	18.31
LOWER LIMIT	237343	9.55	901112	12.78	434542	17.31
EPA SAMPLE NO.						
01 SBLK63	337555	10.05	1309105	13.25	607830	17.77
02 SBLK63MS	321093	10.04	1257336	13.25	564849	17.78

IS1 (DCB) = 1,4-Dichlorobenzene-d4
 IS2 (NPT) = Naphthalene-d8
 IS3 (ANT) = Acenaphthene-d10
 IS4 (PHN) = Phenanthrene-d10
 IS5 (CRY) = Chrysene-d12
 IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.
 * Values outside of contract required QC limits

SV-20

8C
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____
 Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____
 Lab File ID (Standard): F5891.D Date Analyzed: 08/02/06
 Instrument ID: HP5971AF Time Analyzed: 10:57

	IS4(PHN)		IS5(CRY)		IS6(PRY)	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	1215761	21.55	1004481	28.38	857304	31.78
UPPER LIMIT	2431522	21.05	2008962	27.88	1714608	31.28
LOWER LIMIT	607881	22.05	502241	28.88	428652	32.28
EPA SAMPLE NO.						
01 SBLK63	835437	21.53	628945	28.33	614157	31.74
02 SBLK63MS	848753	21.53	657035	28.33	649578	31.74

IS1 (DCB) = 1,4-Dichlorobenzene-d4
 IS2 (NPT) = Naphthalene-d8
 IS3 (ANT) = Acenaphthene-d10
 IS4 (PHN) = Phenanthrene-d10
 IS5 (CRY) = Chrysene-d12
 IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.
 * Values outside of contract required QC limits

SV-21

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____
 Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____
 Lab File ID (Standard): F5891.D Date Analyzed: 8/2/2006
 Instrument ID: HP5971AF Time Analyzed: 10:57

	IS1(DCB)		IS2(NPT)		IS3(ANT)	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	474685	10.05	1802223	13.28	869083	17.81
UPPER LIMIT	949370	10.55	3604446	13.78	1738166	18.31
LOWER LIMIT	237343	9.55	901112	12.78	434542	17.31
EPA SAMPLE NO.						
01 05-DP2 ADL	402572	10.04	1478865	13.26	703819	17.78

IS1 (DCB) = 1,4-Dichlorobenzene-d4
 IS2 (NPT) = Naphthalene-d8
 IS3 (ANT) = Acenaphthene-d10
 IS4 (PHN) = Phenanthrene-d10
 IS5 (CRY) = Chrysene-d12
 IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

SV-22

8C
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____
 Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____
 Lab File ID (Standard): F5891.D Date Analyzed: 08/02/06
 Instrument ID: HP5971AF Time Analyzed: 10:57

	IS4(PHN)		IS5(CRY)		IS6(PRY)	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	1215761	21.55	1004481	28.38	857304	31.78
UPPER LIMIT	2431522	21.05	2008962	27.88	1714608	31.28
LOWER LIMIT	607881	22.05	502241	28.88	428652	32.28
EPA SAMPLE NO.						
01 05-DP2 ADL	1038373	21.53	880699	28.34	856250	31.76

IS1 (DCB) = 1,4-Dichlorobenzene-d4
 IS2 (NPT) = Naphthalene-d8
 IS3 (ANT) = Acenaphthene-d10
 IS4 (PHN) = Phenanthrene-d10
 IS5 (CRY) = Chrysene-d12
 IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.
 * Values outside of contract required QC limits

SV-23

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____
 Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____
 Lab File ID (Standard): F5953.D Date Analyzed: 8/8/2006
 Instrument ID: HP5971AF Time Analyzed: 16:41

	IS1(DCB)		IS2(NPT)		IS3(ANT)	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	448787	9.99	1810248	13.21	929978	17.74
UPPER LIMIT	897574	10.49	3620496	13.71	1859956	18.24
LOWER LIMIT	224394	9.49	905124	12.71	464989	17.24
EPA SAMPLE NO.						
01 FIELDBLANK	411672	9.98	1628620	13.19	833034	17.71

IS1 (DCB) = 1,4-Dichlorobenzene-d4
 IS2 (NPT) = Naphthalene-d8
 IS3 (ANT) = Acenaphthene-d10
 IS4 (PHN) = Phenanthrene-d10
 IS5 (CRY) = Chrysene-d12
 IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

SV-24

8C
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____
 Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____
 Lab File ID (Standard): F5953.D Date Analyzed: 08/08/06
 Instrument ID: HP5971AF Time Analyzed: 16:41

	IS4(PHN)		IS5(CRY)		IS6(PRY)	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	1353698	21.49	1070435	28.31	1036753	31.71
UPPER LIMIT	2707396	20.99	2140870	27.81	2073506	31.21
LOWER LIMIT	676849	21.99	535218	28.81	518377	32.21
EPA SAMPLE NO.						
01 FIELDBLANK	1170962	21.47	1015104	28.28	939726	31.69

IS1 (DCB) = 1,4-Dichlorobenzene-d4
 IS2 (NPT) = Naphthalene-d8
 IS3 (ANT) = Acenaphthene-d10
 IS4 (PHN) = Phenanthrene-d10
 IS5 (CRY) = Chrysene-d12
 IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.
 * Values outside of contract required QC limits

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Accredited Analytical Resources
GC/MS-SEMI-VOA INSTRUMENT DETECTION LIMITS (IDL)

Instrument ID: HP5971E
Date Analyzed: 08/26/05
Analyst: D. Miguel
Method: 8270

ANALYTES	REP 1	REP 2	REP 3	AVERAGE	STD DEV	IDL
N-Nitrosodimethylamine	3.24	3.17	2.86	3.09	0.20	1.41
Aniline	3.34	3.35	3.06	3.25	0.16	1.15
Phenol	3.11	2.97	2.76	2.95	0.18	1.23
bis (2-Chloroethyl) ether	3.89	3.83	3.54	3.75	0.19	1.30
2-Chlorophenol	3.42	3.4	3.1	3.31	0.18	1.25
1,3-Dichlorobenzene	3.19	3.19	3.1	3.16	0.05	0.36
1,4-Dichlorobenzene	3.29	3.22	2.99	3.17	0.16	1.09
Benzyl Alcohol	3.29	3.25	3.01	3.18	0.15	1.05
1,2-Dichlorobenzene	3.23	3.29	3.15	3.22	0.07	0.49
2-Methylphenol	3.63	3.47	3.23	3.44	0.20	1.40
bis (2-chloroisopropyl) ether	4.1	4.14	3.84	4.03	0.16	1.13
3&4-Methylphenol	3.42	3.39	3.26	3.36	0.09	0.59
N-nitroso-di-n-propylamine	3.89	3.94	3.67	3.83	0.14	1.00
Hexachloroethane	3.01	3.02	2.99	3.01	0.02	0.11
Nitrobenzene	3.66	3.63	3.34	3.54	0.18	1.23
Isophrone	3.64	3.67	3.45	3.59	0.12	0.83
2-Nitrophenol	3.1	3.06	2.75	2.97	0.19	1.33
2,4-Dimethylphenol	3.42	3.32	3.09	3.28	0.17	1.18
Benzoic Acid	5.39	3.84	3.31	4.18	1.08	7.53
bis (2-Chloroethoxy) methane	3.85	3.87	3.57	3.76	0.17	1.17
2,4-Dichlorophenol	3.31	3.17	2.98	3.15	0.17	1.15
1,2,4-Trichlorobenzene	3.28	3.16	3.17	3.20	0.07	0.46
Naphthalene	1.64	1.47	1.65	1.59	0.10	0.70
4-Chloroaniline	3.49	3.51	3.29	3.43	0.12	0.85
Hexachlorobutadiene	2.95	2.93	3.02	2.97	0.05	0.33
4-Chloro-3-methylphenol	3.44	3.4	3.37	3.40	0.04	0.24
2-Methylnaphthalene	3.71	3.71	3.52	3.65	0.11	0.76
Hexachlorocyclopentadiene	2.27	2.19	2.14	2.20	0.07	0.46
2,4,6-Trichlorophenol	3.36	3.28	3.13	3.26	0.12	0.81
2,4,5-Trichlorophenol	3.37	3.26	3.12	3.25	0.13	0.87
2-Chloronaphthalene	3.82	3.69	3.56	3.69	0.13	0.91
2-Nitroaniline	3.47	3.38	3.36	3.40	0.06	0.41
Dimethylphthalate	4.29	4.22	4.15	4.22	0.07	0.49
Acenaphthylene	1.79	1.65	1.85	1.76	0.10	0.71
3-Nitroaniline	3.92	3.8	3.67	3.80	0.13	0.87
Acenaphthene	1.66	1.52	1.74	1.64	0.11	0.78
2,4-Dinitrophenol	0.5	0.52	0.52	0.51	0.01	0.08
4-Nitrophenol	2.4	2.33	2.34	2.36	0.04	0.26
Dibenzofuran	3.88	3.75	3.67	3.77	0.11	0.74
2,6-Dinitrotoluene	3.58	3.47	3.42	3.49	0.08	0.57
2,4-Dinitrotoluene	3.28	3.19	3.21	3.23	0.05	0.33
Diethylphthalate	4.69	4.51	4.58	4.59	0.09	0.63

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4-Chlorophenyl-phenylether	4.19	4.08	4.13	4.13	0.06	0.38
Fluorene	1.67	1.61	1.73	1.67	0.06	0.42
4-Nitroaniline	3.98	3.88	3.89	3.92	0.06	0.38
4,6-Dinitro-2-methylphenol	1.65	1.72	1.6	1.66	0.06	0.42
Carbazole	4.68	4.47	4.51	4.55	0.11	0.78
n-Nitrosodiphenylamine	4.44	4.31	4.26	4.34	0.09	0.65
1,2-Diphenylhydrazine	4.61	4.56	4.43	4.53	0.09	0.65
Azobenzene	4.6	4.55	4.42	4.52	0.09	0.65
4-Bromophenyl-phenylether	3.91	3.76	3.69	3.79	0.11	0.78
Hexachlorobenzene	3.72	3.7	3.61	3.68	0.06	0.41
Pentachloropentol	1.23	1.32	1.29	1.28	0.05	0.32
Phenanthrene	1.81	1.78	1.85	1.81	0.04	0.24
Anthracene	1.89	1.87	1.93	1.90	0.03	0.21
Di-n-butylphthalate	4.82	4.49	4.54	4.62	0.18	1.24
Fluoranthene	2.17	2.22	2.25	2.21	0.04	0.28
Benzidine	17.15	17.41	15.96	16.84	0.77	5.38
Pyrene	2.12	2.08	2.13	2.11	0.03	0.18
Butylbenzylphthalate	4.37	4.18	4.3	4.28	0.10	0.67
3,3'-Dichlorobenzidine	24.87	22.01	22.09	22.99	1.63	11.34
Benzo [a] anthracene	2.1	2.27	2.22	2.20	0.09	0.61
bis (2-Ethylhexyl)phthalate	5.62	5.3	5.43	5.45	0.16	1.12
Chrysene	1.89	1.91	1.92	1.91	0.02	0.11
Di-n-octylphthalate	3.71	3.57	3.57	3.62	0.08	0.56
Benzo [b] fluoroanthene	1.75	1.79	1.89	1.81	0.07	0.50
Benzo [k] fluoroanthene	2.37	2.36	2.32	2.35	0.03	0.18
Benzo [a] pyrene	2.01	2.04	2.03	2.03	0.02	0.11
Indeno [1,2,3-cd] pyrene	2.12	2.25	2.24	2.20	0.07	0.50
Dibenz [g,h,i]perylene	1.9	2.01	1.98	1.96	0.06	0.40
Dibenz [g,h,i]perylene	2.51	2.52	2.46	2.50	0.03	0.22

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

05-DP8 S

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____

Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL _____ Lab Sample ID: 0607108

Sample wt/vol: 30 (g/ml) G _____ Lab File ID: F5880.D

Level: (low/med) LOW _____ Date Received: _____

% Moisture: 21.6 decanted:(Y/N) N _____ Date Extracted: 7/31/2006

Concentrated Extract Volume: 1000 (uL) _____ Date Analyzed: 8/1/2006

Injection Volume: 1.0 (uL) _____ Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
91-20-3	Naphthalene	430		U
208-96-8	Acenaphthylene	430		U
83-32-9	Acenaphthene	430		U
86-73-7	Fluorene	430		U
85-01-8	Phenanthrene	430		U
120-12-7	Anthracene	430		U
206-44-0	Fluoranthene	430		U
129-00-0	Pyrene	430		U
56-55-3	Benzo[a]anthracene	430		U
218-01-9	Chrysene	430		U
205-99-2	Benzo[b]fluoranthene	430		U
207-08-9	Benzo[k]fluoranthene	430		U
50-32-8	Benzo[a]pyrene	430		U
193-39-5	Indeno[1,2,3-cd]pyrene	430		U
53-70-3	Dibenz[a,h]anthracene	430		U
191-24-2	Benzo[g,h,i]perylene	430		U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

05-DP6 S

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____

Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 0607109

Sample wt/vol: 30 (g/ml) G Lab File ID: F5881.D

Level: (low/med) LOW Date Received: _____

% Moisture: 23 decanted:(Y/N) N Date Extracted: 7/31/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/1/2006

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
91-20-3	Naphthalene		44	J
208-96-8	Acenaphthylene		430	U
83-32-9	Acenaphthene		430	U
86-73-7	Fluorene		81	J
85-01-8	Phenanthrene		210	J
120-12-7	Anthracene		430	U
206-44-0	Fluoranthene		430	U
129-00-0	Pyrene		430	U
56-55-3	Benzo[a]anthracene		430	U
218-01-9	Chrysene		430	U
205-99-2	Benzo[b]fluoranthene		430	U
207-08-9	Benzo[k]fluoranthene		430	U
50-32-8	Benzo[a]pyrene		430	U
193-39-5	Indeno[1,2,3-cd]pyrene		430	U
53-70-3	Dibenz[a,h]anthracene		430	U
191-24-2	Benzo[g,h,i]perylene		430	U

SV-2A

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

05-DP5 S

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____

Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 0607110

Sample wt/vol: 30 (g/ml) G Lab File ID: F5882.D

Level: (low/med) LOW Date Received: _____

% Moisture: 23.9 decanted:(Y/N) N Date Extracted: 7/31/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/1/2006

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
91-20-3	Naphthalene	440		U
208-96-8	Acenaphthylene	440		U
83-32-9	Acenaphthene	440		U
86-73-7	Fluorene	440		U
85-01-8	Phenanthrene	440		U
120-12-7	Anthracene	440		U
206-44-0	Fluoranthene	440		U
129-00-0	Pyrene	440		U
56-55-3	Benzo[a]anthracene	440		U
218-01-9	Chrysene	440		U
205-99-2	Benzo[b]fluoranthene	440		U
207-08-9	Benzo[k]fluoranthene	440		U
50-32-8	Benzo[a]pyrene	440		U
193-39-5	Indeno[1,2,3-cd]pyrene	440		U
53-70-3	Dibenz[a,h]anthracene	440		U
191-24-2	Benzo[g,h,i]perylene	440		U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

05-DP4 S

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____

Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 0607111

Sample wt/vol: 30 (g/ml) G Lab File ID: F5883.D

Level: (low/med) LOW Date Received: _____

% Moisture: 27.8 decanted:(Y/N) N Date Extracted: 7/31/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/1/2006

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
91-20-3	Naphthalene	160		J
208-96-8	Acenaphthylene	460		U
83-32-9	Acenaphthene	460		U
86-73-7	Fluorene	460		U
85-01-8	Phenanthrene	460		U
120-12-7	Anthracene	460		U
206-44-0	Fluoranthene	460		U
129-00-0	Pyrene	460		U
56-55-3	Benzo[a]anthracene	460		U
218-01-9	Chrysene	460		U
205-99-2	Benzo[b]fluoranthene	460		U
207-08-9	Benzo[k]fluoranthene	460		U
50-32-8	Benzo[a]pyrene	460		U
193-39-5	Indeno[1,2,3-cd]pyrene	460		U
53-70-3	Dibenz[a,h]anthracene	460		U
191-24-2	Benzo[g,h,i]perylene	460		U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

05-DP2 S

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____

Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 0607112

Sample wt/vol: 30 (g/ml) G Lab File ID: F5886.D

Level: (low/med) LOW Date Received: _____

% Moisture: 13.2 decanted:(Y/N) N Date Extracted: 7/31/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/1/2006

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
91-20-3	Naphthalene		380	U
208-96-8	Acenaphthylene		380	U
83-32-9	Acenaphthene		380	U
86-73-7	Fluorene		380	U
85-01-8	Phenanthrene		80	J
120-12-7	Anthracene		380	U
206-44-0	Fluoranthene		210	J
129-00-0	Pyrene		190	J
56-55-3	Benzo[a]anthracene		100	J
218-01-9	Chrysene		120	J
205-99-2	Benzo[b]fluoranthene		98	J
207-08-9	Benzo[k]fluoranthene		90	J
50-32-8	Benzo[a]pyrene		96	J
193-39-5	Indeno[1,2,3-cd]pyrene		52	J
53-70-3	Dibenz[a,h]anthracene		380	U
191-24-2	Benzo[g,h,i]perylene		57	J

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MS S

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____

Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 0607113

Sample wt/vol: 30 (g/ml) G Lab File ID: F5884.D

Level: (low/med) LOW Date Received: _____

% Moisture: 0 decanted:(Y/N) N Date Extracted: 7/31/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/1/2006

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
91-20-3	Naphthalene		59	J
208-96-8	Acenaphthylene		330	U
83-32-9	Acenaphthene		2800	
86-73-7	Fluorene		330	U
85-01-8	Phenanthrene		330	U
120-12-7	Anthracene		330	U
206-44-0	Fluoranthene		330	U
129-00-0	Pyrene		3400	
56-55-3	Benzo[a]anthracene		330	U
218-01-9	Chrysene		330	U
205-99-2	Benzo[b]fluoranthene		330	U
207-08-9	Benzo[k]fluoranthene		330	U
50-32-8	Benzo[a]pyrene		330	U
193-39-5	Indeno[1,2,3-cd]pyrene		330	U
53-70-3	Dibenz[a,h]anthracene		330	U
191-24-2	Benzo[g,h,i]perylene		330	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MSD S

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____

Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 0607114

Sample wt/vol: 30 (g/ml) G Lab File ID: F5885.D

Level: (low/med) LOW Date Received: _____

% Moisture: 0 decanted: (Y/N) N Date Extracted: 7/31/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/1/2006

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
91-20-3	Naphthalene		120	J
208-96-8	Acenaphthylene		330	U
83-32-9	Acenaphthene		2800	
86-73-7	Fluorene		330	U
85-01-8	Phenanthrene		330	U
120-12-7	Anthracene		330	U
206-44-0	Fluoranthene		330	U
129-00-0	Pyrene		3300	
56-55-3	Benzo[a]anthracene		330	U
218-01-9	Chrysene		330	U
205-99-2	Benzo[b]fluoranthene		330	U
207-08-9	Benzo[k]fluoranthene		330	U
50-32-8	Benzo[a]pyrene		330	U
193-39-5	Indeno[1,2,3-cd]pyrene		330	U
53-70-3	Dibenz[a,h]anthracene		330	U
191-24-2	Benzo[g,h,i]perylene		330	U

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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

05-DP8 A

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____

Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 0607115

Sample wt/vol: 960 (g/ml) ML Lab File ID: F5870.D

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N) N Date Extracted: 7/28/2006

Concentrated Extract Volume: 500 (uL) Date Analyzed: 7/31/2006

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
91-20-3	Naphthalene		5	U
208-96-8	Acenaphthylene		5	U
83-32-9	Acenaphthene		5	U
86-73-7	Fluorene		5	U
85-01-8	Phenanthrene		5	U
120-12-7	Anthracene		5	U
206-44-0	Fluoranthene		5	U
129-00-0	Pyrene		5	U
56-55-3	Benzo[a]anthracene		5	U
218-01-9	Chrysene		5	U
205-99-2	Benzo[b]fluoranthene		5	U
207-08-9	Benzo[k]fluoranthene		5	U
50-32-8	Benzo[a]pyrene		5	U
193-39-5	Indeno[1,2,3-cd]pyrene		5	U
53-70-3	Dibenz[a,h]anthracene		5	U
191-24-2	Benzo[g,h,i]perylene		5	U

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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

05-DP6 A

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____

Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 0607116

Sample wt/vol: 890 (g/ml) ML Lab File ID: F5871.D

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N) N Date Extracted: 7/28/2006

Concentrated Extract Volume: 500 (uL) Date Analyzed: 7/31/2006

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
91-20-3	Naphthalene		7	
208-96-8	Acenaphthylene		6	U
83-32-9	Acenaphthene		6	U
86-73-7	Fluorene		6	U
85-01-8	Phenanthrene		0.7	J
120-12-7	Anthracene		6	U
206-44-0	Fluoranthene		6	U
129-00-0	Pyrene		6	U
56-55-3	Benzo[a]anthracene		6	U
218-01-9	Chrysene		6	U
205-99-2	Benzo[b]fluoranthene		6	U
207-08-9	Benzo[k]fluoranthene		6	U
50-32-8	Benzo[a]pyrene		6	U
193-39-5	Indeno[1,2,3-cd]pyrene		6	U
53-70-3	Dibenz[a,h]anthracene		6	U
191-24-2	Benzo[g,h,i]perylene		6	U

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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

05-DP5 A

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____

Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 0607117

Sample wt/vol: 830 (g/ml) ML Lab File ID: F5875.D

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted:(Y/N) N Date Extracted: 7/28/2006

Concentrated Extract Volume: 500 (uL) Date Analyzed: 8/1/2006

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
91-20-3	Naphthalene		6	U
208-96-8	Acenaphthylene		6	U
83-32-9	Acenaphthene		6	U
86-73-7	Fluorene		6	U
85-01-8	Phenanthrene		6	U
120-12-7	Anthracene		6	U
206-44-0	Fluoranthene		6	U
129-00-0	Pyrene		6	U
56-55-3	Benzo[a]anthracene		6	U
218-01-9	Chrysene		6	U
205-99-2	Benzo[b]fluoranthene		6	U
207-08-9	Benzo[k]fluoranthene		6	U
50-32-8	Benzo[a]pyrene		6	U
193-39-5	Indeno[1,2,3-cd]pyrene		6	U
53-70-3	Dibenz[a,h]anthracene		6	U
191-24-2	Benzo[g,h,i]perylene		6	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

05-DP4 A

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____

Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 0607118

Sample wt/vol: 800 (g/ml) ML Lab File ID: F5876.D

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted:(Y/N) N Date Extracted: 7/28/2006

Concentrated Extract Volume: 500 (uL) Date Analyzed: 8/1/2006

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
91-20-3	Naphthalene		36	
208-96-8	Acenaphthylene		6	U
83-32-9	Acenaphthene		6	U
86-73-7	Fluorene		6	U
85-01-8	Phenanthrene		6	U
120-12-7	Anthracene		6	U
206-44-0	Fluoranthene		6	U
129-00-0	Pyrene		6	U
56-55-3	Benzo[a]anthracene		6	U
218-01-9	Chrysene		6	U
205-99-2	Benzo[b]fluoranthene		6	U
207-08-9	Benzo[k]fluoranthene		6	U
50-32-8	Benzo[a]pyrene		6	U
193-39-5	Indeno[1,2,3-cd]pyrene		6	U
53-70-3	Dibenz[a,h]anthracene		6	U
191-24-2	Benzo[g,h,i]perylene		6	U

SV-38

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

05-DP2 A

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____

Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 0607119

Sample wt/vol: 880 (g/ml) ML Lab File ID: F5877.D

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted:(Y/N) N Date Extracted: 7/28/2006

Concentrated Extract Volume: 500 (uL) Date Analyzed: 8/1/2006

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
91-20-3	Naphthalene		200	E
208-96-8	Acenaphthylene		6	U
83-32-9	Acenaphthene		6	U
86-73-7	Fluorene		6	U
85-01-8	Phenanthrene		6	U
120-12-7	Anthracene		6	U
206-44-0	Fluoranthene		6	U
129-00-0	Pyrene		6	U
56-55-3	Benzo[a]anthracene		6	U
218-01-9	Chrysene		6	U
205-99-2	Benzo[b]fluoranthene		6	U
207-08-9	Benzo[k]fluoranthene		6	U
50-32-8	Benzo[a]pyrene		6	U
193-39-5	Indeno[1,2,3-cd]pyrene		6	U
53-70-3	Dibenz[a,h]anthracene		6	U
191-24-2	Benzo[g,h,i]perylene		6	U

SV-39

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

05-DP2 ADL

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____

Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 0607119DL

Sample wt/vol: 880 (g/ml) ML Lab File ID: F5902.D

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N) N Date Extracted: 7/28/2006

Concentrated Extract Volume: 500 (uL) Date Analyzed: 8/2/2006

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
91-20-3	Naphthalene		220	D
208-96-8	Acenaphthylene		28	U
83-32-9	Acenaphthene		28	U
86-73-7	Fluorene		28	U
85-01-8	Phenanthrene		28	U
120-12-7	Anthracene		28	U
206-44-0	Fluoranthene		28	U
129-00-0	Pyrene		28	U
56-55-3	Benzo[a]anthracene		28	U
218-01-9	Chrysene		28	U
205-99-2	Benzo[b]fluoranthene		28	U
207-08-9	Benzo[k]fluoranthene		28	U
50-32-8	Benzo[a]pyrene		28	U
193-39-5	Indeno[1,2,3-cd]pyrene		28	U
53-70-3	Dibenz[a,h]anthracene		28	U
191-24-2	Benzo[g,h,i]perylene		28	U

SV-40

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MS A

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____

Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 0607120

Sample wt/vol: 820 (g/ml) ML Lab File ID: F5878.D

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N) N Date Extracted: 7/28/2006

Concentrated Extract Volume: 500 (uL) Date Analyzed: 8/1/2006

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/L	
91-20-3	Naphthalene		15	
208-96-8	Acenaphthylene		6	U
83-32-9	Acenaphthene		48	
86-73-7	Fluorene		6	U
85-01-8	Phenanthrene		6	U
120-12-7	Anthracene		6	U
206-44-0	Fluoranthene		6	U
129-00-0	Pyrene		75	
56-55-3	Benzo[a]anthracene		6	U
218-01-9	Chrysene		6	U
205-99-2	Benzo[b]fluoranthene		6	U
207-08-9	Benzo[k]fluoranthene		6	U
50-32-8	Benzo[a]pyrene		6	U
193-39-5	Indeno[1,2,3-cd]pyrene		6	U
53-70-3	Dibenz[a,h]anthracene		6	U
191-24-2	Benzo[g,h,i]perylene		6	U

EX-41

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MSD A

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____

Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 0607121

Sample wt/vol: 920 (g/ml) ML Lab File ID: F5879.D

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted:(Y/N) N Date Extracted: 7/28/2006

Concentrated Extract Volume: 500 (uL) Date Analyzed: 8/1/2006

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
91-20-3	Naphthalene		7	
208-96-8	Acenaphthylene		5	U
83-32-9	Acenaphthene		37	
86-73-7	Fluorene		5	U
85-01-8	Phenanthrene		5	U
120-12-7	Anthracene		5	U
206-44-0	Fluoranthene		5	U
129-00-0	Pyrene		63	
56-55-3	Benzo[a]anthracene		5	U
218-01-9	Chrysene		5	U
205-99-2	Benzo[b]fluoranthene		5	U
207-08-9	Benzo[k]fluoranthene		5	U
50-32-8	Benzo[a]pyrene		5	U
193-39-5	Indeno[1,2,3-cd]pyrene		5	U
53-70-3	Dibenz[a,h]anthracene		5	U
191-24-2	Benzo[g,h,i]perylene		5	U

SV-42

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD BLANK

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____

Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 0607123

Sample wt/vol: 930 (g/ml) ML Lab File ID: F5954.D

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N) N Date Extracted: 7/28/2006

Concentrated Extract Volume: 500 (uL) Date Analyzed: 8/8/2006

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
91-20-3	Naphthalene		5	U
208-96-8	Acenaphthylene		5	U
83-32-9	Acenaphthene		5	U
86-73-7	Fluorene		5	U
85-01-8	Phenanthrene		5	U
120-12-7	Anthracene		5	U
206-44-0	Fluoranthene		5	U
129-00-0	Pyrene		5	U
56-55-3	Benzo[a]anthracene		5	U
218-01-9	Chrysene		5	U
205-99-2	Benzo[b]fluoranthene		5	U
207-08-9	Benzo[k]fluoranthene		5	U
50-32-8	Benzo[a]pyrene		5	U
193-39-5	Indeno[1,2,3-cd]pyrene		5	U
53-70-3	Dibenz[a,h]anthracene		5	U
191-24-2	Benzo[g,h,i]perylene		5	U

SV-43

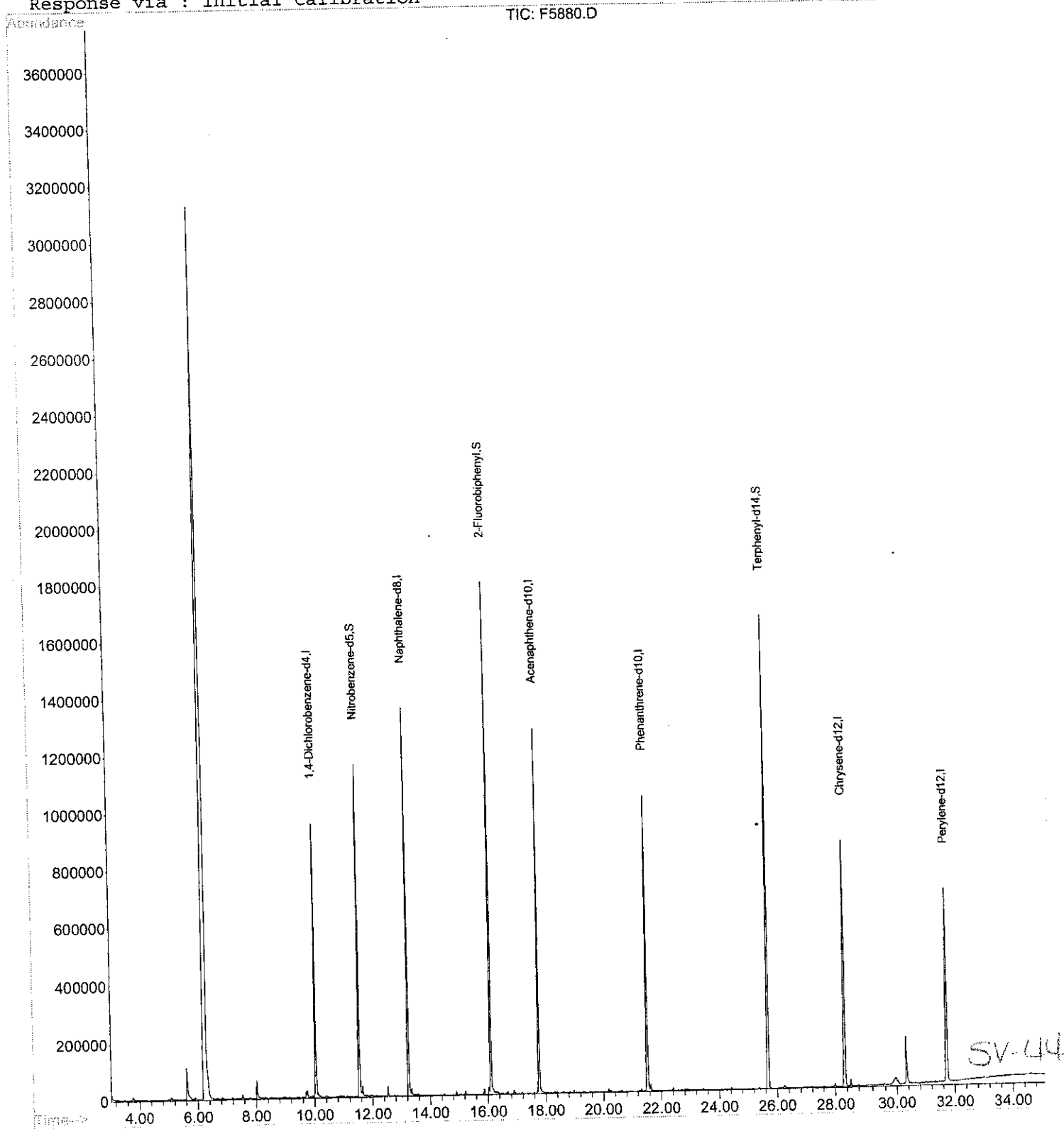
Quantitation Report

Data File : E:\F\DATA\AUG06\F0801\F5880.D
 Acq On : 1 Aug 2006 13:03
 Sample : 0607108
 Misc : SOIL 2903 07/31/06 05-DP8 S
 MS Integration Params: rteint.p
 Quant Time: Aug 1 13:59 2006

Vial: 6
 Operator: JOSE
 Inst : HP5971AF
 Multiplr: 1.00

Quant Results File: SVF80725.RES

Method : E:\F\METHODS\SVF80725.M (RTE Integrator)
 Title : SEMI-VOA 8270 CALIBRATION HP5971AF
 Last Update : Wed Aug 02 11:13:45 2006
 Response via : Initial Calibration



Data File : E:\F\DATA\AUG06\F0801\F5880.D
Acq On : 1 Aug 2006 13:03
Sample : 0607108
Misc : SOIL 2903 07/31/06 05-DP8 S
MS Integration Params: rteint.p
Quant Time: Aug 1 13:59 2006

Vial: 6
Operator: JOSE
Inst : HP5971AF
Multiplr: 1.00

Quant Results File: SVF80725.RES

Quant Method : E:\F\METHODS\SVF80725.M (RTE Integrator)
Title : SEMI-VOA 8270 CALIBRATION HP5971AF
Last Update : Tue Aug 01 09:58:11 2006
Response via : Initial Calibration
DataAcq Meth : SVF80725

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.04	152	318777	40.00	ul/l	-0.02
19) Naphthalene-d8	13.25	136	1218400	40.00	ul/l	-0.03
34) Acenaphthene-d10	17.77	164	566626	40.00	ul/l	-0.03
55) Phenanthrene-d10	21.52	188	835754	40.00	ul/l	-0.03
68) Chrysene-d12	28.34	240	772376	40.00	ul/l	-0.04
77) Perylene-d12	31.74	264	625495	40.00	ul/l	-0.04

System Monitoring Compounds

4) 2-Fluorophenol	0.00	112	0	0.00	ul/l	
Spiked Amount	200.000	Range	25 - 121	Recovery	=	0.00%#
6) Phenol-d5	9.76	99	329	0.02	ul/l	0.15
Spiked Amount	200.000	Range	24 - 113	Recovery	=	0.01%#
20) Nitrobenzene-d5	11.55	82	885687	54.50	ul/l	-0.03
Spiked Amount	100.000	Range	23 - 120	Recovery	=	54.50%
38) 2-Fluorobiphenyl	16.11	172	1168948	62.76	ul/l	-0.03
Spiked Amount	100.000	Range	30 - 115	Recovery	=	62.76%
54) 2,4,6-Tribromophenol	0.00	330	0	0.00	ul/l	
Spiked Amount	200.000	Range	19 - 122	Recovery	=	0.00%#
71) Terphenyl-d14	25.70	244	1400293	77.67	ul/l	0.00
Spiked Amount	100.000	Range	18 - 137	Recovery	=	77.67%

Target Compounds

Qvalue

SV-45

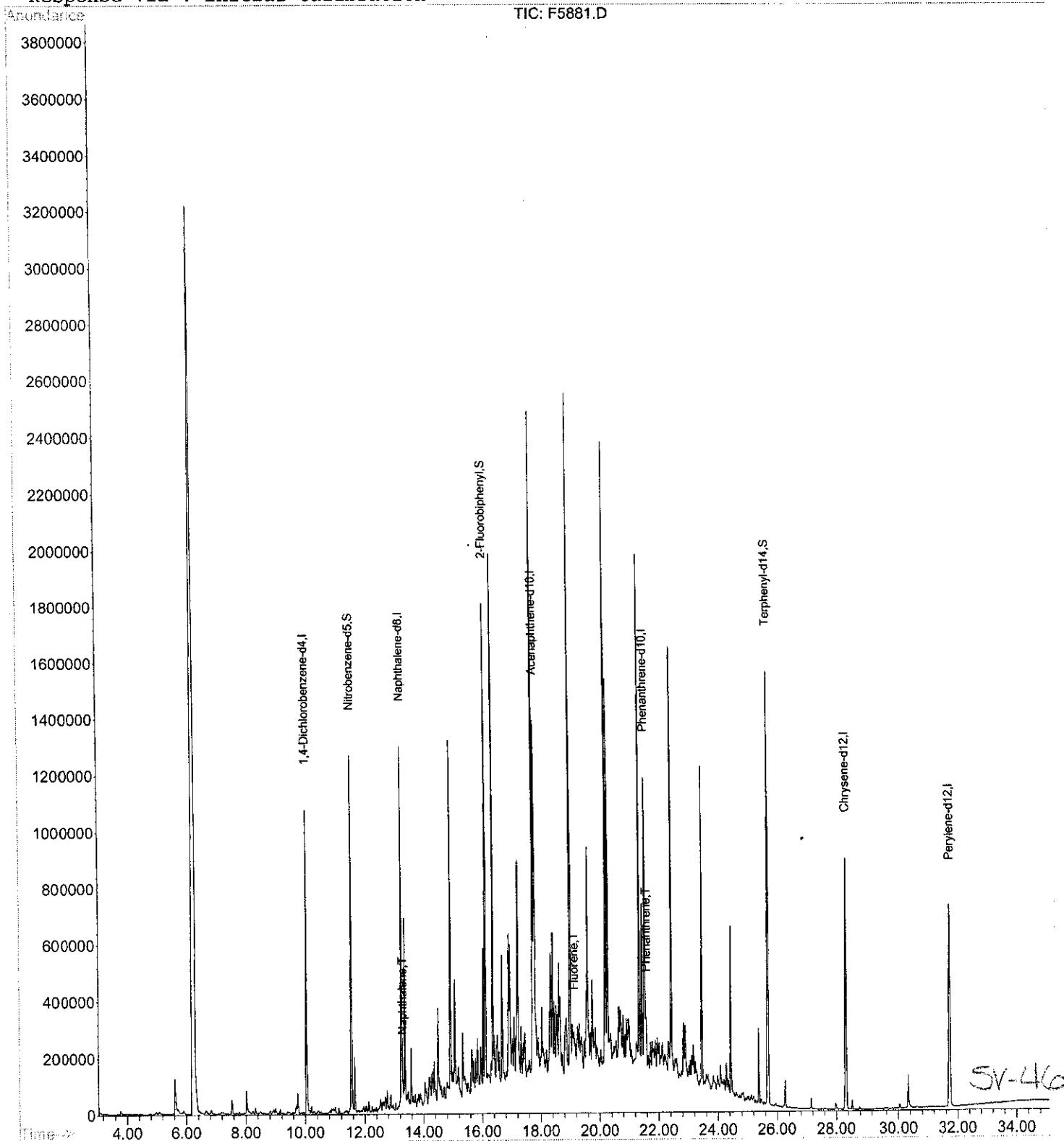
Quantitation Report

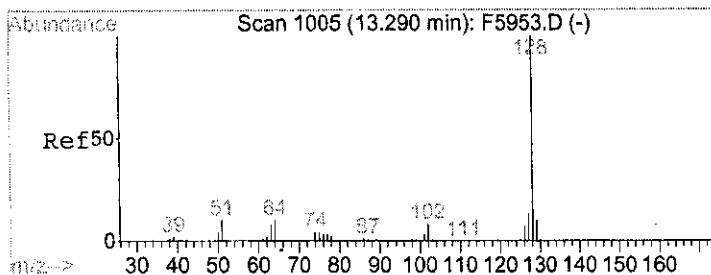
Data File : E:\F\DATA\AUG06\F0801\F5881.D
 Acq On : 1 Aug 2006 13:49
 Sample : 0607109
 Misc : SOIL 2903 07/31/06 05-DP6 S
 MS Integration Params: rteint.p
 Quant Time: Aug 8 11:30 2006

Vial: 7
 Operator: JOSE
 Inst : HP5971AF
 Multiplr: 1.00

Quant Results File: SVF80725.RES

Method : E:\F\METHODS\SVF80725.M (RTE Integrator)
 Title : SEMI-VOA 8270 CALIBRATION HP5971AF
 Last Update : Wed Aug 02 11:13:45 2006
 Response via : Initial Calibration





#29

Naphthalene

Concen: 1.01 ul/l

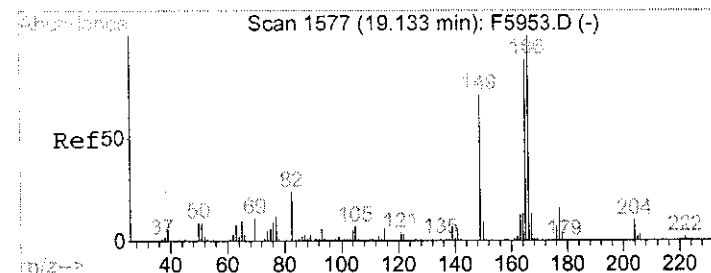
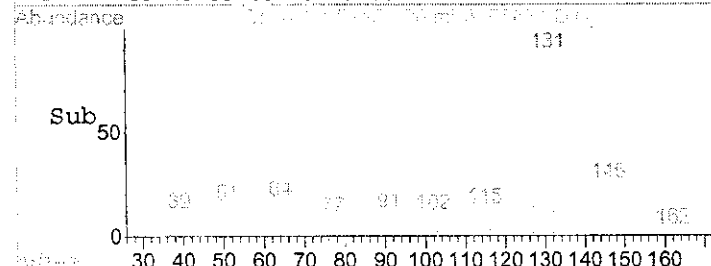
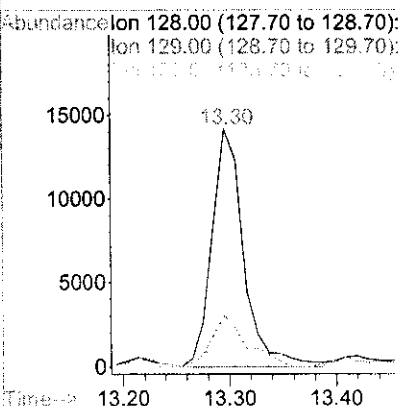
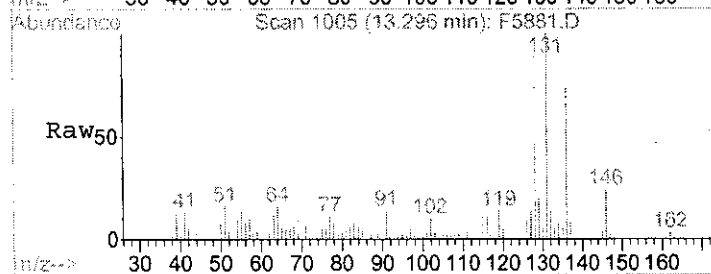
RT: 13.30 min Scan# 1005

Delta R.T. -0.03 min

Lab File: F5881.D

Acq: 1 Aug 2006 13:49

Tgt Ion:128	Resp:	29141
Ion	Ratio	Lower Upper
128	100	
129	23.6	0.0 30.8
127	15.7	0.0 32.6



#52

Fluorene

Concen: 1.88 ul/l

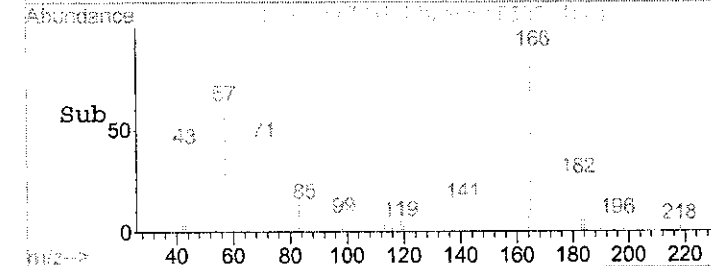
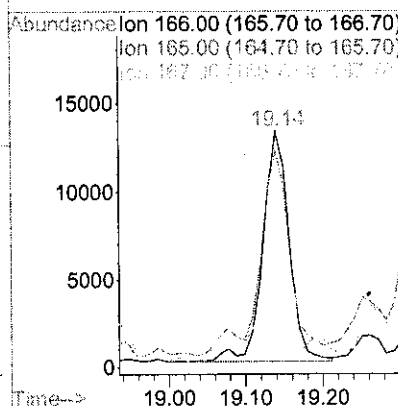
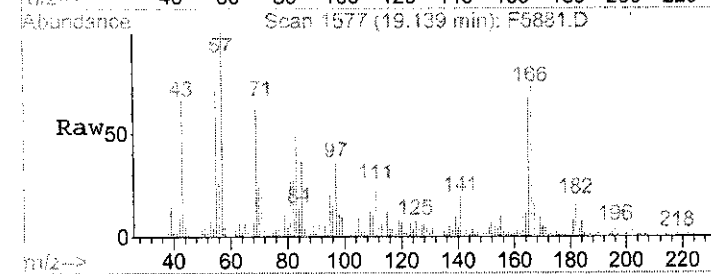
RT: 19.14 min Scan# 1577

Delta R.T. -0.04 min

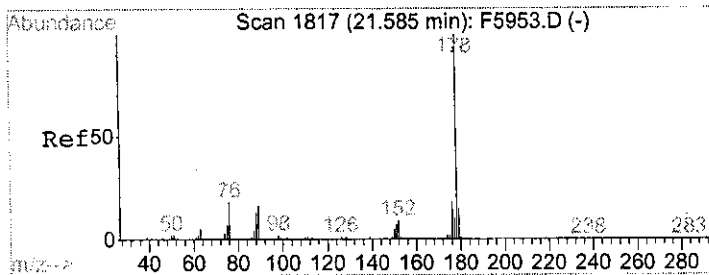
Lab File: F5881.D

Acq: 1 Aug 2006 13:49

Tgt Ion:166	Resp:	31320
Ion	Ratio	Lower Upper
166	100	
165	82.0	67.7 107.7
167	19.1	0.0 32.9

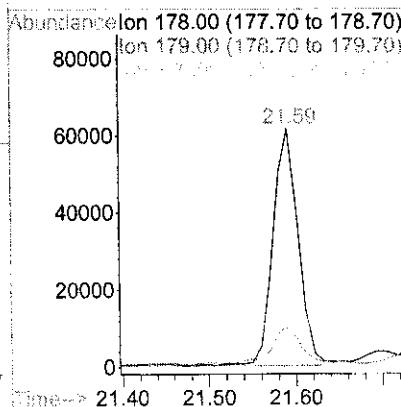
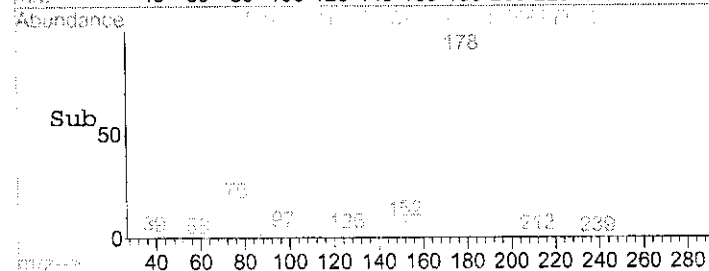
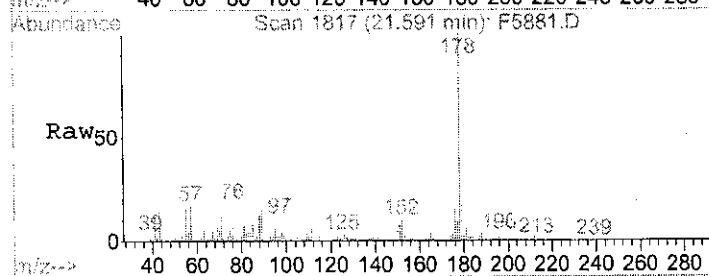


SV-47



#64
 Phenanthrene
 Concen: 4.93 ul/l
 RT: 21.59 min Scan# 1817
 Delta R.T. -0.03 min
 Lab File: F5881.D
 Acq: 1 Aug 2006 13:49

Tgt	Ion:178	Resp:	123686
Ion	Ratio	Lower	Upper
178	100		
179	17.2	0.0	35.3
176	16.6	0.0	37.9



SV-48

Data File : E:\F\DATA\AUG06\F0801\F5881.D

Vial: 7

Acq On : 1 Aug 2006 13:49

Operator: JOSE

Sample : 0607109

Inst : HP5971AF

Misc : SOIL 2903 07/31/06 05-DP6 S

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Aug 8 11:30 2006

Quant Results File: SVF80725.RES

Quant Method : E:\F\METHODS\SVF80725.M (RTE Integrator)

Title : SEMI-VOA 8270 CALIBRATION HP5971AF

Last Update : Wed Aug 02 11:13:45 2006

Response via : Initial Calibration

DataAcq Meth : SVF80725

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.05	152	333512	40.00	ul/l	0.00
19) Naphthalene-d8	13.26	136	1107664	40.00	ul/l	-0.02
34) Acenaphthene-d10	17.78	164	569957	40.00	ul/l	-0.02
55) Phenanthrene-d10	21.54	188	795907	40.00	ul/l	-0.01
68) Chrysene-d12	28.33	240	772833	40.00	ul/l	-0.04
77) Perylene-d12	31.75	264	680173	40.00	ul/l	-0.03

System Monitoring Compounds

4) 2-Fluorophenol	0.00	112	0	0.00	ul/l	
Spiked Amount	200.000	Range 25 - 121	Recovery	=	0.00%#	
6) Phenol-d5	9.75	99	1326	0.07	ul/l	0.16
Spiked Amount	200.000	Range 24 - 113	Recovery	=	0.04%#	
20) Nitrobenzene-d5	11.56	82	912244	61.75	ul/l	-0.02
Spiked Amount	100.000	Range 23 - 120	Recovery	=	61.75%	
38) 2-Fluorobiphenyl	16.12	172	1161547	62.00	ul/l	-0.02
Spiked Amount	100.000	Range 30 - 115	Recovery	=	62.00%	
54) 2,4,6-Tribromophenol	0.00	330	0	0.00	ul/l	
Spiked Amount	200.000	Range 19 - 122	Recovery	=	0.00%#	
71) Terphenyl-d14	25.71	244	1307818	72.50	ul/l	0.00
Spiked Amount	100.000	Range 18 - 137	Recovery	=	72.50%	

Target Compounds

					Qvalue
29) Naphthalene	13.30	128	29141	1.01	ul/l 80
52) Fluorene	19.14	166	31320	1.88	ul/l 93
64) Phenanthrene	21.59	178	123686	4.93	ul/l 96

SV-49

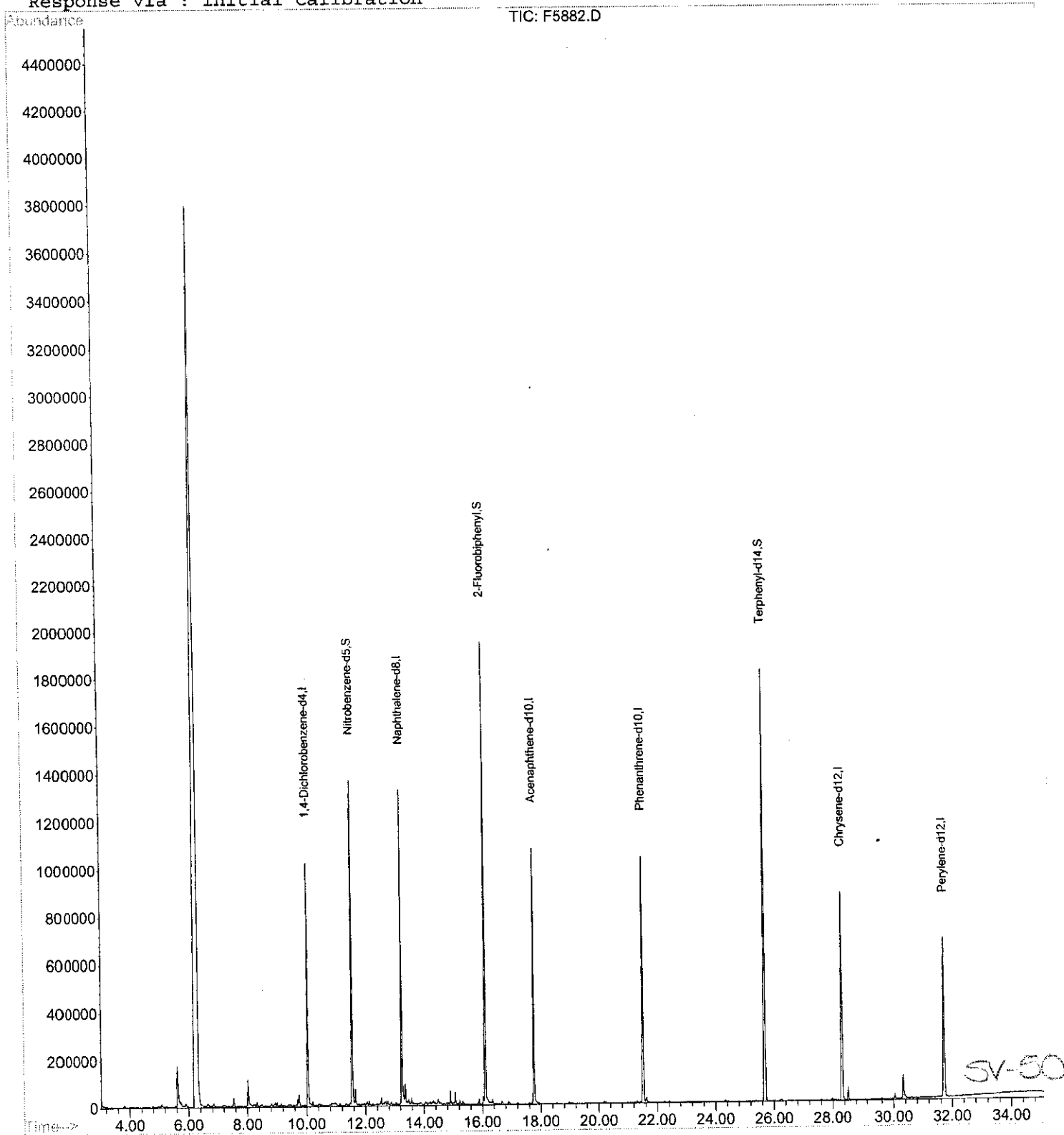
Quantitation Report

Data File : E:\F\DATA\AUG06\F0801\F5882.D
 Acq On : 1 Aug 2006 14:35
 Sample : 0607110
 Misc : SOIL 2903 07/31/06 05-DP5 S
 MS Integration Params: rteint.p
 Quant Time: Aug 8 11:31 2006

Vial: 8
 Operator: JOSE
 Inst : HP5971AF
 Multiplr: 1.00

Quant Results File: SVF80725.RES

Method : E:\F\METHODS\SVF80725.M (RTE Integrator)
 Title : SEMI-VOA 8270 CALIBRATION HP5971AF
 Last Update : Wed Aug 02 11:13:45 2006
 Response via : Initial Calibration



Data File : E:\F\DATA\AUG06\F0801\F5882.D

Vial: 8

Acq On : 1 Aug 2006 14:35

Operator: JOSE

Sample : 0607110

Inst : HP5971AF

Misc : SOIL 2903 07/31/06 05-DP5 S

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Aug 8 11:31 2006

Quant Results File: SVF80725.RES

Quant Method : E:\F\METHODS\SVF80725.M (RTE Integrator)

Title : SEMI-VOA 8270 CALIBRATION HP5971AF

Last Update : Tue Aug 01 09:58:11 2006

Response via : Initial Calibration

DataAcq Meth : SVF80725

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.05	152	308639	40.00	ul/l	-0.02
19) Naphthalene-d8	13.25	136	1063311	40.00	ul/l	-0.03
34) Acenaphthene-d10	17.78	164	529737	40.00	ul/l	-0.03
55) Phenanthrene-d10	21.53	188	809129	40.00	ul/l	-0.03
68) Chrysene-d12	28.33	240	756586	40.00	ul/l	-0.05
77) Perylene-d12	31.74	264	634396	40.00	ul/l	-0.04

System Monitoring Compounds

4) 2-Fluorophenol	0.00	112	0	0.00	ul/l	
Spiked Amount 200.000	Range 25 - 121		Recovery =	0.00%#		
6) Phenol-d5	9.76	99	978	0.06	ul/l	0.16
Spiked Amount 200.000	Range 24 - 113		Recovery =	0.03%#		
20) Nitrobenzene-d5	11.56	82	992008	69.95	ul/l	-0.03
Spiked Amount 100.000	Range 23 - 120		Recovery =	69.95%		
38) 2-Fluorobiphenyl	16.11	172	1285885	73.85	ul/l	-0.03
Spiked Amount 100.000	Range 30 - 115		Recovery =	73.85%		
54) 2,4,6-Tribromophenol	0.00	330	0	0.00	ul/l	
Spiked Amount 200.000	Range 19 - 122		Recovery =	0.00%#		
71) Terphenyl-d14	25.71	244	1584993	89.75	ul/l	0.00
Spiked Amount 100.000	Range 18 - 137		Recovery =	89.75%		

Target Compounds

Qvalue

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

F5882.D SVF80725.M

Tue Aug 08 11:59:28 2006

SV-51

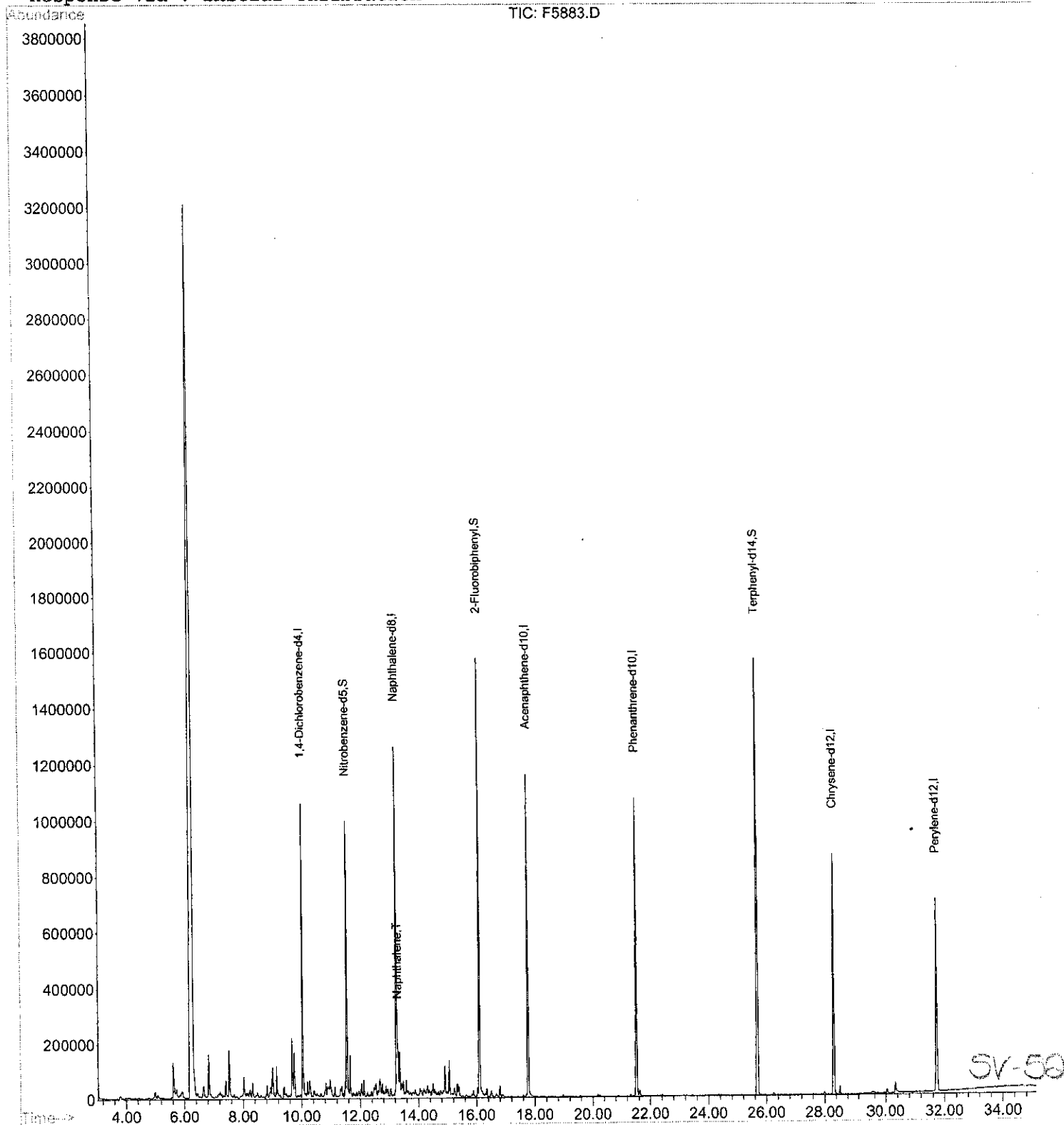
Quantitation Report

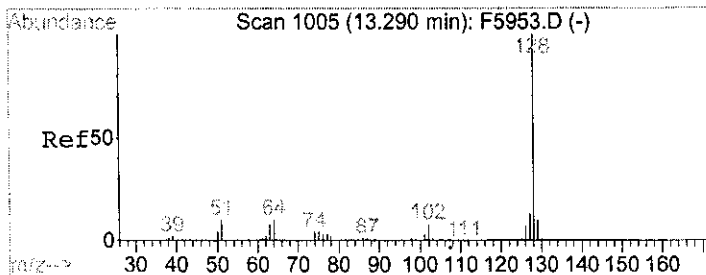
Data File : E:\F\DATA\AUG06\F0801\F5883.D
 Acq On : 1 Aug 2006 15:21
 Sample : 0607111
 Misc : SOIL 2903 07/31/06 05-DP4 S
 MS Integration Params: rteint.p
 Quant Time: Aug 8 11:33 2006

Vial: 9
 Operator: JOSE
 Inst : HP5971AF
 Multiplr: 1.00

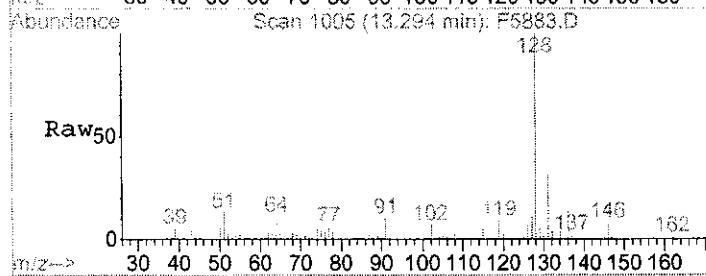
Quant Results File: SVF80725.RES

Method : E:\F\METHODS\SVF80725.M (RTE Integrator)
 Title : SEMI-VOA 8270 CALIBRATION HP5971AF
 Last Update : Wed Aug 02 11:13:45 2006
 Response via : Initial Calibration

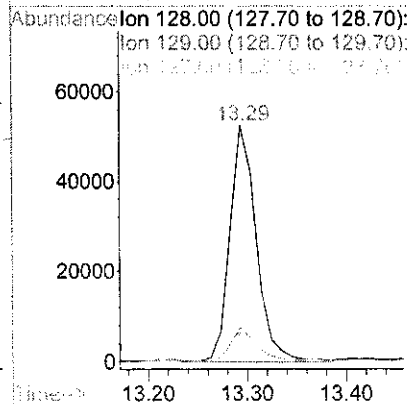
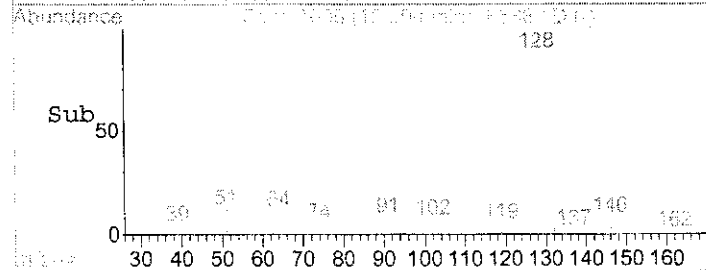




#29
 Naphthalene
 Concen: 3.42 ul/l
 RT: 13.29 min Scan# 1005
 Delta R.T. -0.05 min
 Lab File: F5883.D
 Acq: 1 Aug 2006 15:21



Tgt Ion:128 Resp: 96978
 Ion Ratio Lower Upper
 128 100
 129 14.5 0.0 30.8
 127 13.4 0.0 32.6



SV-53

Data File : E:\F\DATA\AUG06\F0801\F5883.D
 Acq On : 1 Aug 2006 15:21
 Sample : 0607111
 Misc : SOIL 2903 07/31/06 05-DP4 S
 MS Integration Params: rteint.p
 Quant Time: Aug 8 11:33 2006

Vial: 9
 Operator: JOSE
 Inst : HP5971AF
 Multiplr: 1.00

Quant Results File: SVF80725.RES

Quant Method : E:\F\METHODS\SVF80725.M (RTE Integrator)
 Title : SEMI-VOA 8270 CALIBRATION HP5971AF
 Last Update : Tue Aug 01 09:58:11 2006
 Response via : Initial Calibration
 DataAcq Meth : SVF80725

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.05	152	302317	40.00	ul/l	-0.02
19) Naphthalene-d8	13.25	136	1083503	40.00	ul/l	-0.03
34) Acenaphthene-d10	17.78	164	561948	40.00	ul/l	-0.03
55) Phenanthrene-d10	21.53	188	845505	40.00	ul/l	-0.03
68) Chrysene-d12	28.33	240	762686	40.00	ul/l	-0.05
77) Perylene-d12	31.74	264	654522	40.00	ul/l	-0.04

System Monitoring Compounds

4) 2-Fluorophenol	0.00	112	0	0.00	ul/l	
Spiked Amount	200.000	Range	25 - 121	Recovery	=	0.00%#
6) Phenol-d5	9.76	99	3240	0.20	ul/l	0.16
Spiked Amount	200.000	Range	24 - 113	Recovery	=	0.10%#
20) Nitrobenzene-d5	11.55	82	721674	49.94	ul/l	-0.04
Spiked Amount	100.000	Range	23 - 120	Recovery	=	49.94%
38) 2-Fluorobiphenyl	16.11	172	1054304	57.08	ul/l	-0.03
Spiked Amount	100.000	Range	30 - 115	Recovery	=	57.08%
54) 2,4,6-Tribromophenol	0.00	330	0	0.00	ul/l	
Spiked Amount	200.000	Range	19 - 122	Recovery	=	0.00%#
71) Terphenyl-d14	25.70	244	1354483	76.08	ul/l	-0.02
Spiked Amount	100.000	Range	18 - 137	Recovery	=	76.08%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
29) Naphthalene	13.29	128	96978	3.42	ul/l	94

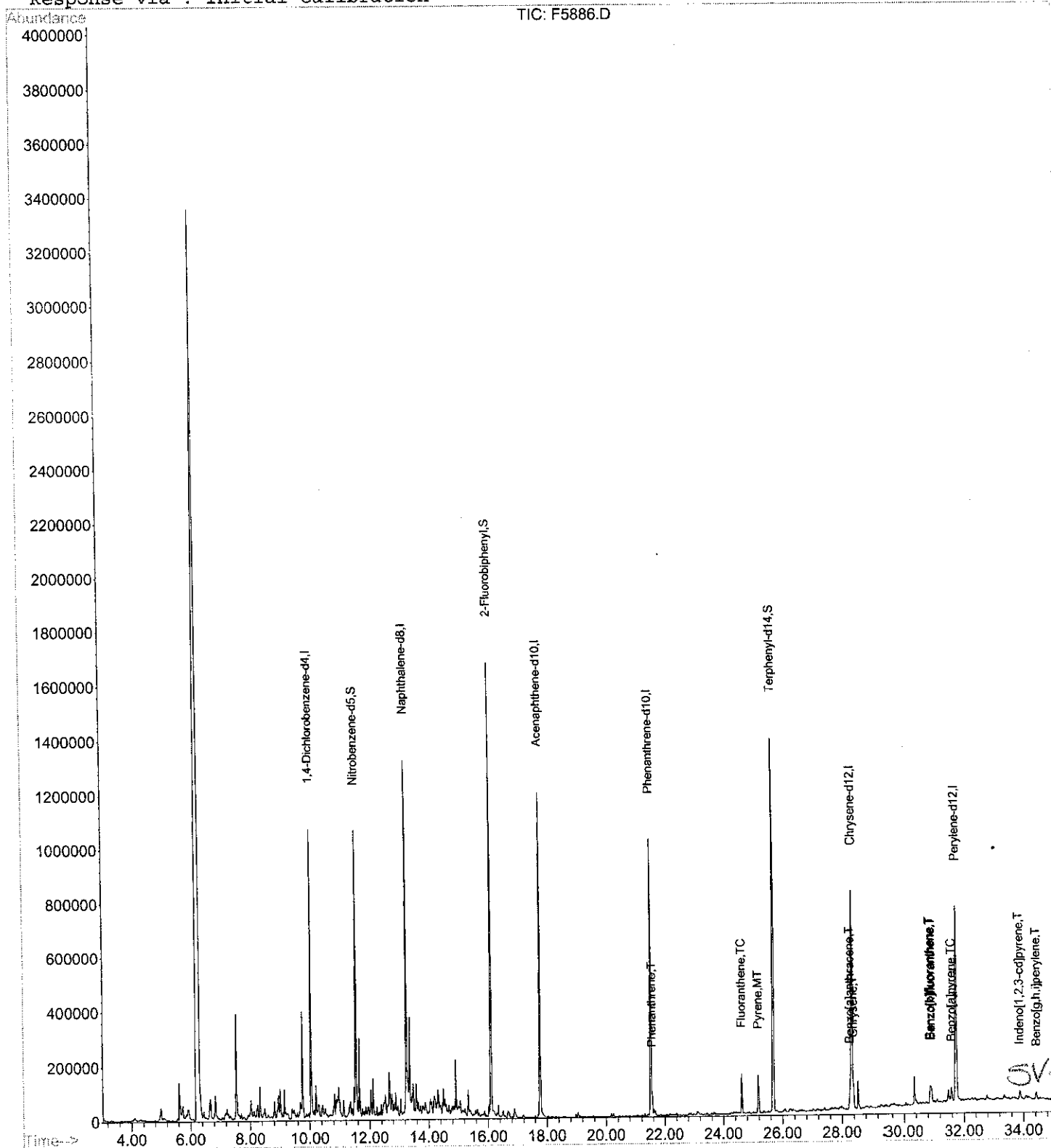
Quantitation Report

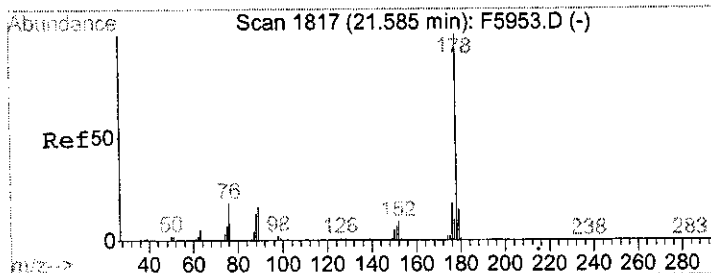
Data File : E:\F\DATA\AUG06\F0801\F5886.D
 Acq On : 1 Aug 2006 17:40
 Sample : 0607112
 Misc : SOIL 2903 07/31/06 05-DP2 S
 MS Integration Params: rteint.p
 Quant Time: Aug 8 11:34 2006

Vial: 12
 Operator: JOSE
 Inst : HP5971AF
 Multiplr: 1.00

Quant Results File: SVF80725.RES

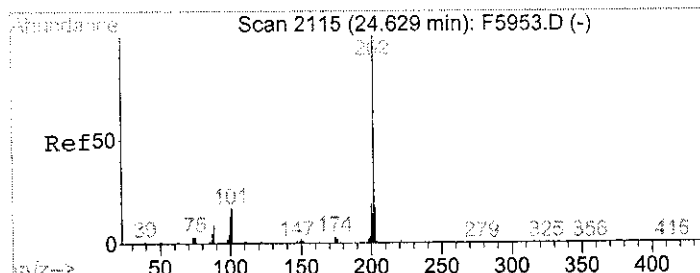
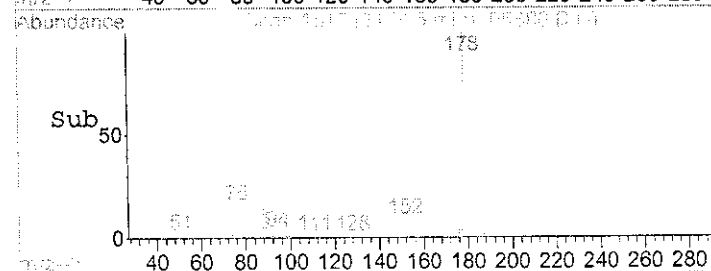
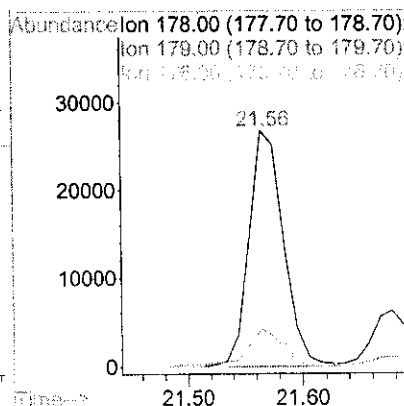
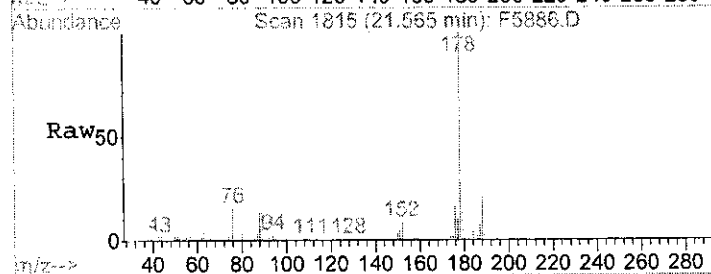
Method : E:\F\METHODS\SVF80725.M (RTE Integrator)
 Title : SEMI-VOA 8270 CALIBRATION HP5971AF
 Last Update : Wed Aug 02 11:13:45 2006
 Response via : Initial Calibration





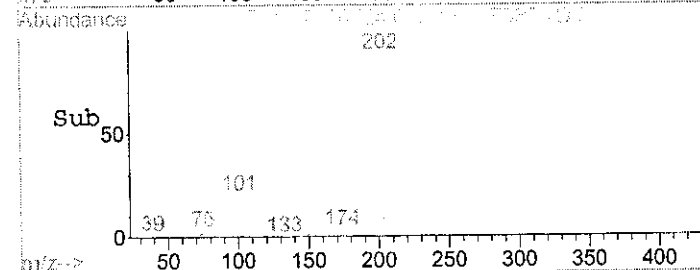
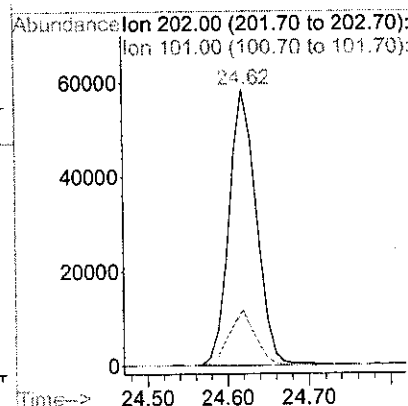
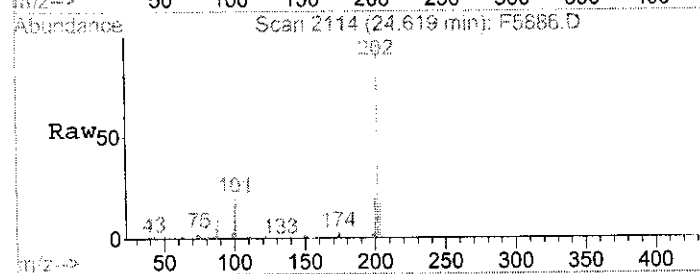
#64
Phenanthrene
Concen: 2.08 ul/l
RT: 21.56 min Scan# 1815
Delta R.T. -0.06 min
Lab File: F5886.D
Acq: 1 Aug 2006 17:40

Tgt Ion: 178 Resp: 55438
Ion Ratio Lower Upper
178 100
179 16.3 0.0 35.3
176 16.5 0.0 37.9

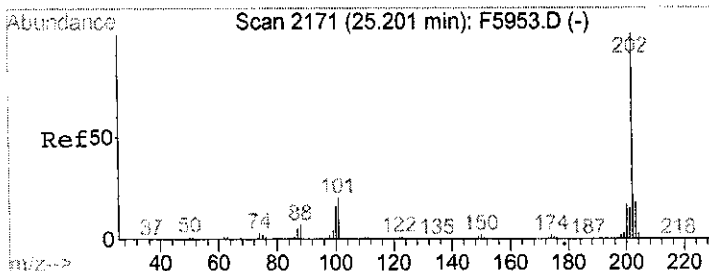


#67
Fluoranthene
Concen: 5.38 ul/l
RT: 24.62 min Scan# 2114
Delta R.T. -0.05 min
Lab File: F5886.D
Acq: 1 Aug 2006 17:40

Tgt Ion: 202 Resp: 137570
Ion Ratio Lower Upper
202 100
101 19.2 0.1 40.1

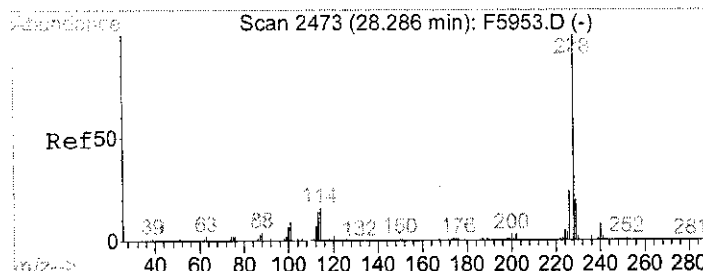
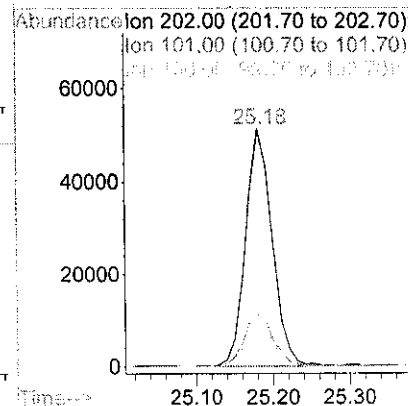


SV-56



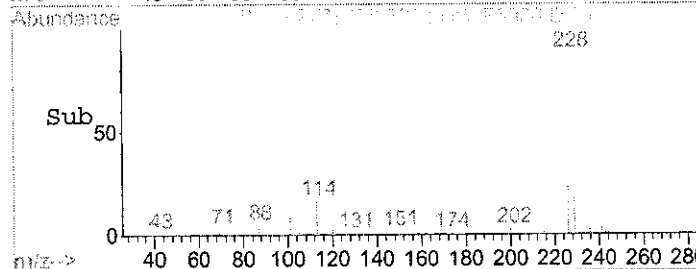
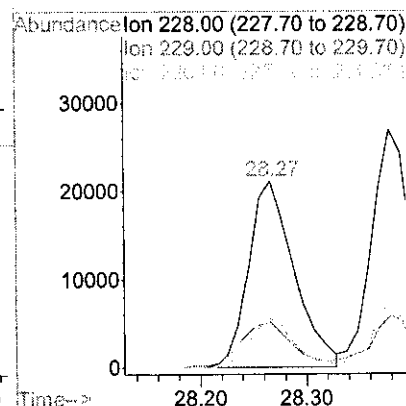
#70
 Pyrene
 Concen: 4.98 ul/l
 RT: 25.18 min Scan# 2169
 Delta R.T. -0.06 min
 Lab File: F5886.D
 Acq: 1 Aug 2006 17:40

Tgt Ion:202 Resp: 122815
 Ion Ratio Lower Upper
 202 100
 101 24.2 4.1 44.1
 100 19.3 0.0 39.4

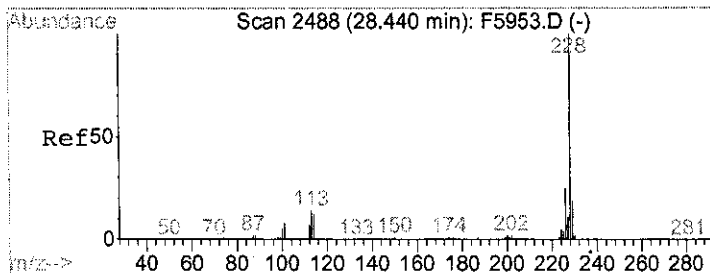


#74
 Benzo[a]anthracene
 Concen: 2.68 ul/l
 RT: 28.27 min Scan# 2471
 Delta R.T. -0.06 min
 Lab File: F5886.D
 Acq: 1 Aug 2006 17:40

Tgt Ion:228 Resp: 62827
 Ion Ratio Lower Upper
 228 100
 229 27.0 0.0 39.3
 226 25.1 4.3 44.3



SV-57



#76

Chrysene

Concen: 3.13 ul/l

RT: 28.38 min Scan# 2482

Delta R.T. -0.08 min

Lab File: F5886.D

Acq: 1 Aug 2006 17:40

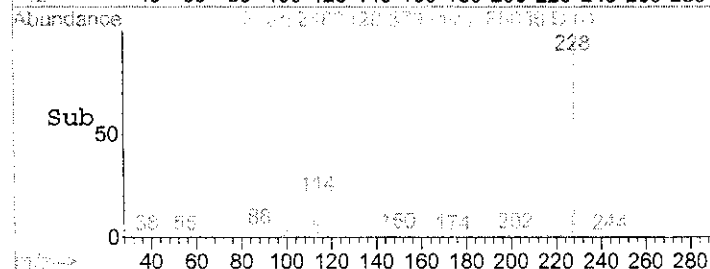
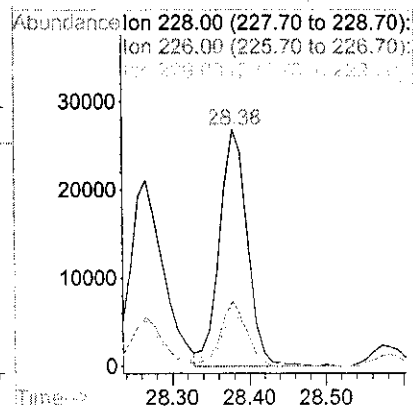
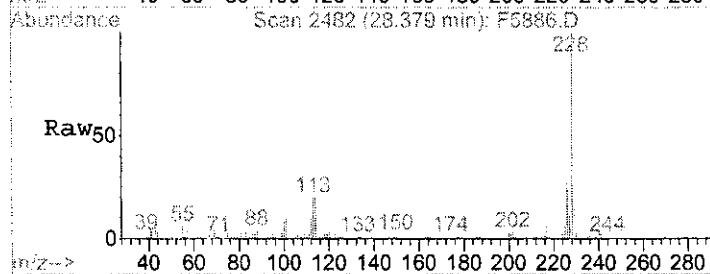
Tgt Ion:228 Resp: 67512

Ion Ratio Lower Upper

228 100

226 25.1 6.6 46.6

229 21.1 0.0 39.3



#79

Benzo[b]fluoranthene

Concen: 2.56 ul/l m

RT: 30.87 min Scan# 2726

Delta R.T. -0.08 min

Lab File: F5886.D

Acq: 1 Aug 2006 17:40

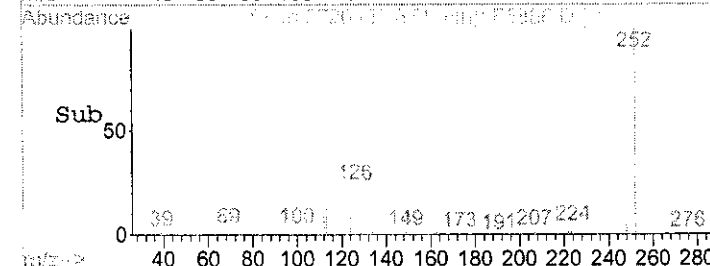
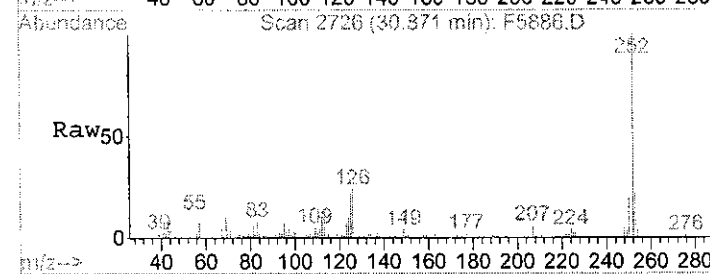
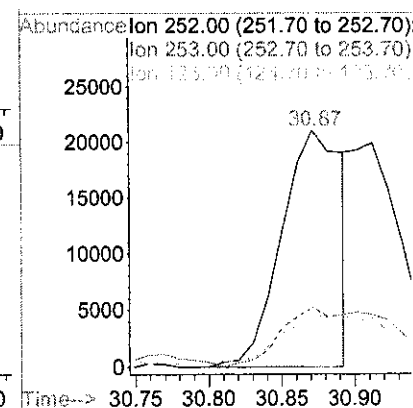
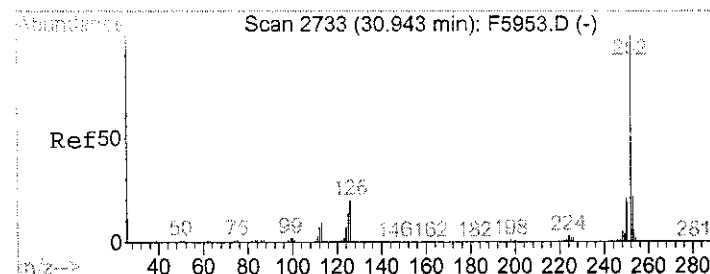
Tgt Ion:252 Resp: 60779

Ion Ratio Lower Upper

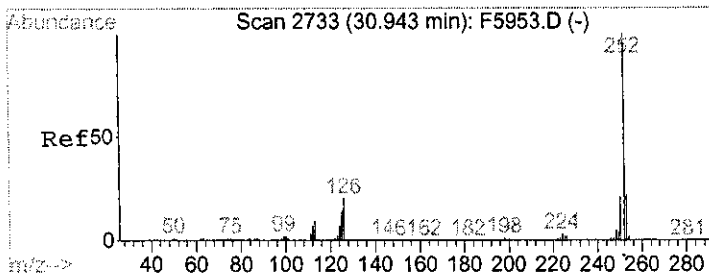
252 100

253 24.8 2.1 42.1

125 35.6 0.0 37.6



SV-58



#80

Benzo[k]fluoranthene

Concen: 2.36 ul/l m

RT: 30.91 min Scan# 2730

Delta R.T. -0.09 min

Lab File: F5886.D

Acq: 1 Aug 2006 17:40

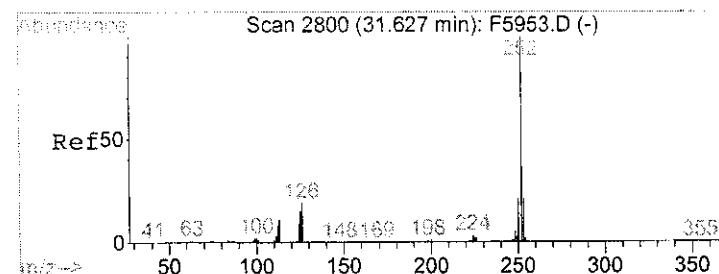
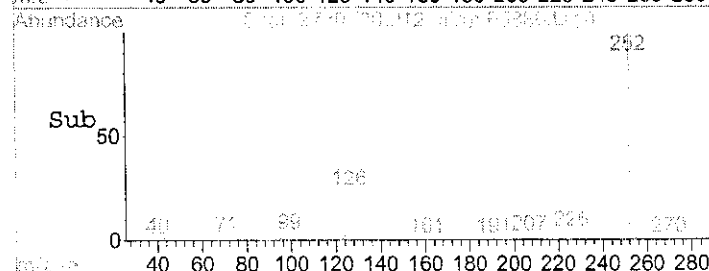
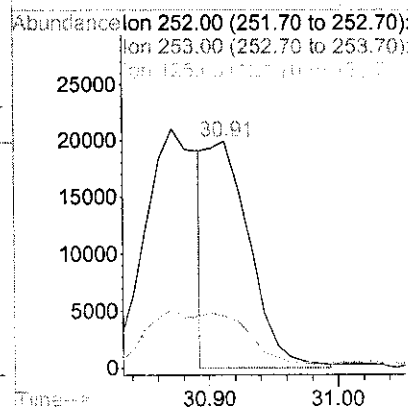
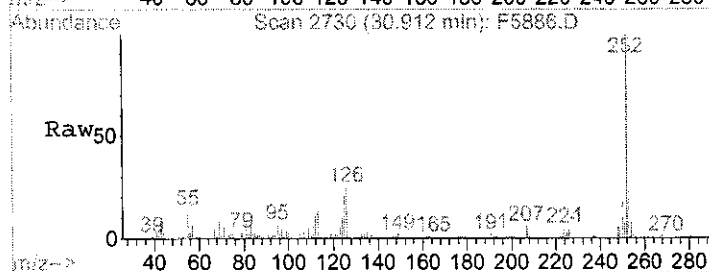
Tgt Ion:252 Resp: 45977

Ion Ratio Lower Upper

252 100

253 32.7 1.9 41.9

125 47.0 0.0 36.1#



#81

Benzo[a]pyrene

Concen: 2.50 ul/l

RT: 31.59 min Scan# 2796

Delta R.T. -0.07 min

Lab File: F5886.D

Acq: 1 Aug 2006 17:40

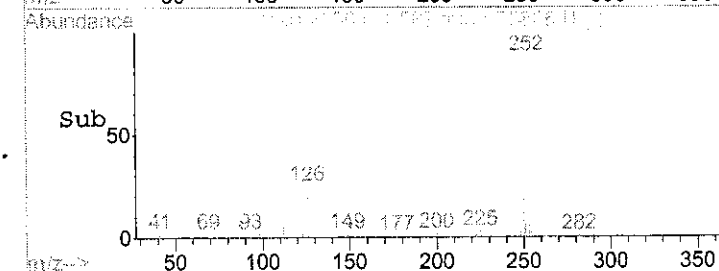
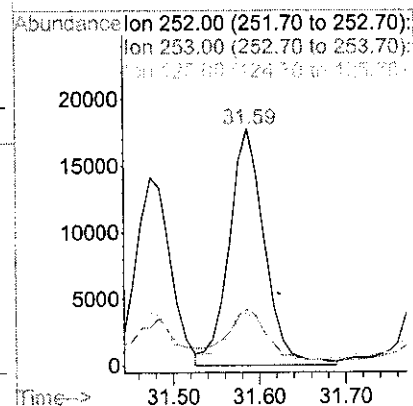
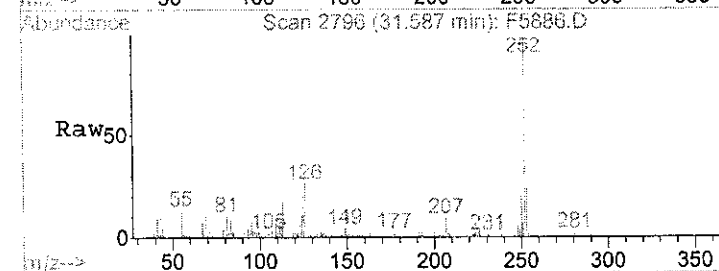
Tgt Ion:252 Resp: 50364

Ion Ratio Lower Upper

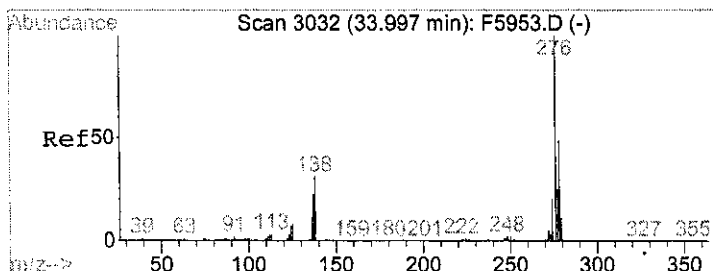
252 100

253 27.3 1.1 41.1

125 20.5 0.0 37.9



5K-59



#82

Indeno[1,2,3-cd]pyrene

Concen: 1.36 ul/l

RT: 33.87 min Scan# 3020

Delta R.T. -0.09 min

Lab File: F5886.D

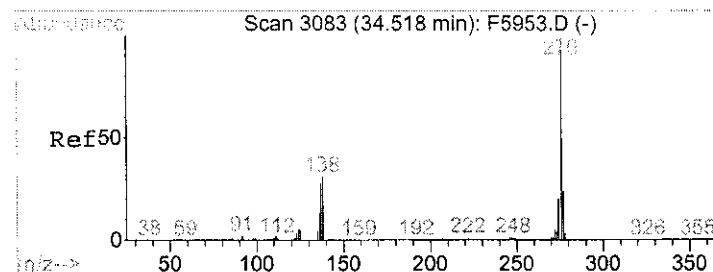
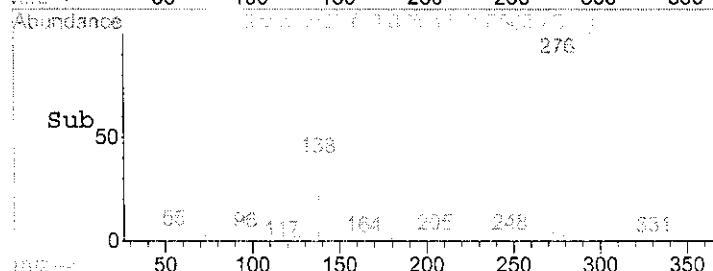
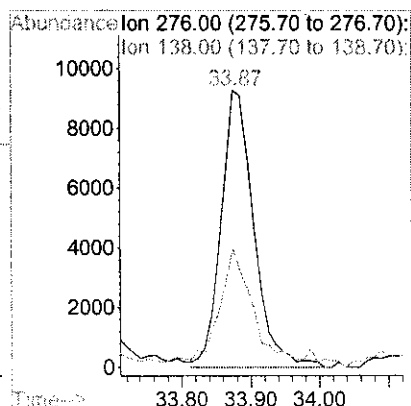
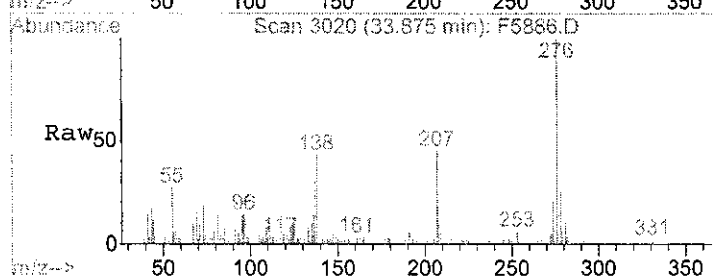
Acq: 1 Aug 2006 17:40

Tgt Ion: 276 Resp: 30204

Ion Ratio Lower Upper

276 100

138 40.8 25.9 65.9



#84

Benzo[g,h,i]perylene

Concen: 1.49 ul/l

RT: 34.44 min Scan# 3075

Delta R.T. -0.07 min

Lab File: F5886.D

Acq: 1 Aug 2006 17:40

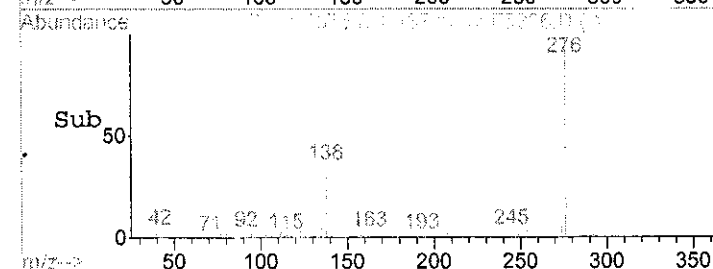
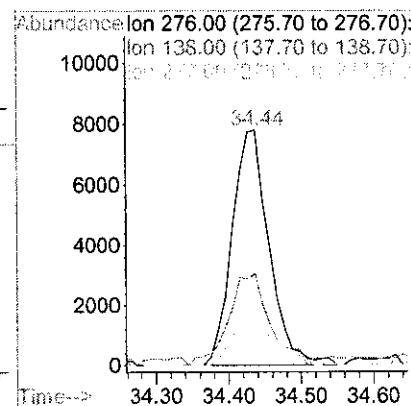
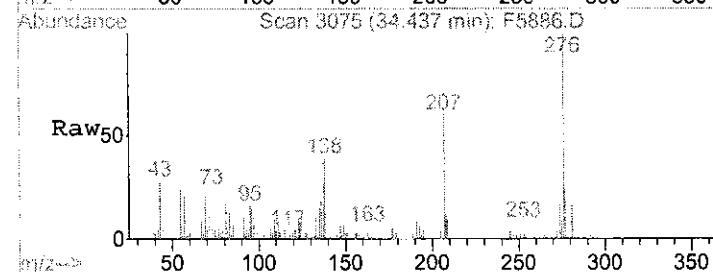
Tgt Ion: 276 Resp: 27554

Ion Ratio Lower Upper

276 100

138 43.4 21.0 61.0

277 23.5 3.0 43.0



SV-60

Data File : E:\F\DATA\AUG06\F0801\F5886.D

Vial: 12

Acq On : 1 Aug 2006 17:40

Operator: JOSE

Sample : 0607112

Inst : HP5971AF

Misc : SOIL 2903 07/31/06 05-DP2 S

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Aug 8 11:34 2006

Quant Results File: SVF80725.RES

Quant Method : E:\F\METHODS\SVF80725.M (RTE Integrator)

Title : SEMI-VOA 8270 CALIBRATION HP5971AF

Last Update : Tue Aug 01 09:58:11 2006

Response via : Initial Calibration

DataAcq Meth : SVF80725

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.04	152	304107	40.00	ul/l	-0.02
19) Naphthalene-d8	13.25	136	1137806	40.00	ul/l	-0.03
34) Acenaphthene-d10	17.77	164	568642	40.00	ul/l	-0.03
55) Phenanthrene-d10	21.52	188	846355	40.00	ul/l	-0.03
68) Chrysene-d12	28.34	240	691039	40.00	ul/l	-0.04
77) Perylene-d12	31.75	264	635990	40.00	ul/l	-0.03

System Monitoring Compounds

4) 2-Fluorophenol	0.00	112	0	0.00	ul/l	
Spiked Amount	200.000	Range	25 - 121	Recovery	=	0.00%#
6) Phenol-d5	0.00	99	0d	0.00	ul/l	
Spiked Amount	200.000	Range	24 - 113	Recovery	=	0.00%#
20) Nitrobenzene-d5	11.55	82	727395	47.93	ul/l	-0.03
Spiked Amount	100.000	Range	23 - 120	Recovery	=	47.93%
38) 2-Fluorobiphenyl	16.11	172	1091320	58.39	ul/l	-0.03
Spiked Amount	100.000	Range	30 - 115	Recovery	=	58.39%
54) 2,4,6-Tribromophenol	0.00	330	0	0.00	ul/l	
Spiked Amount	200.000	Range	19 - 122	Recovery	=	0.00%#
71) Terphenyl-d14	25.70	244	1217787	75.50	ul/l	0.00
Spiked Amount	100.000	Range	18 - 137	Recovery	=	75.50%

Target Compounds

					Qvalue
64) Phenanthrene	21.56	178	55438	2.08	ul/l 97
67) Fluoranthene	24.62	202	137570	5.38	ul/l 98
70) Pyrene	25.18	202	122815	4.98	ul/l 100
74) Benzo[a]anthracene	28.27	228	62827	2.68	ul/l 92
76) Chrysene	28.38	228	67512	3.13	ul/l 97
79) Benzo[b]fluoranthene	30.87	252	60779m	2.56	ul/l
80) Benzo[k]fluoranthene	30.91	252	45977m	2.36	ul/l
81) Benzo[a]pyrene	31.59	252	50364	2.50	ul/l 90
82) Indeno[1,2,3-cd]pyrene	33.87	276	30204	1.36	ul/l 92
84) Benzo[g,h,i]perylene	34.44	276	27554	1.49	ul/l 97

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

F5886.D SVF80725.M

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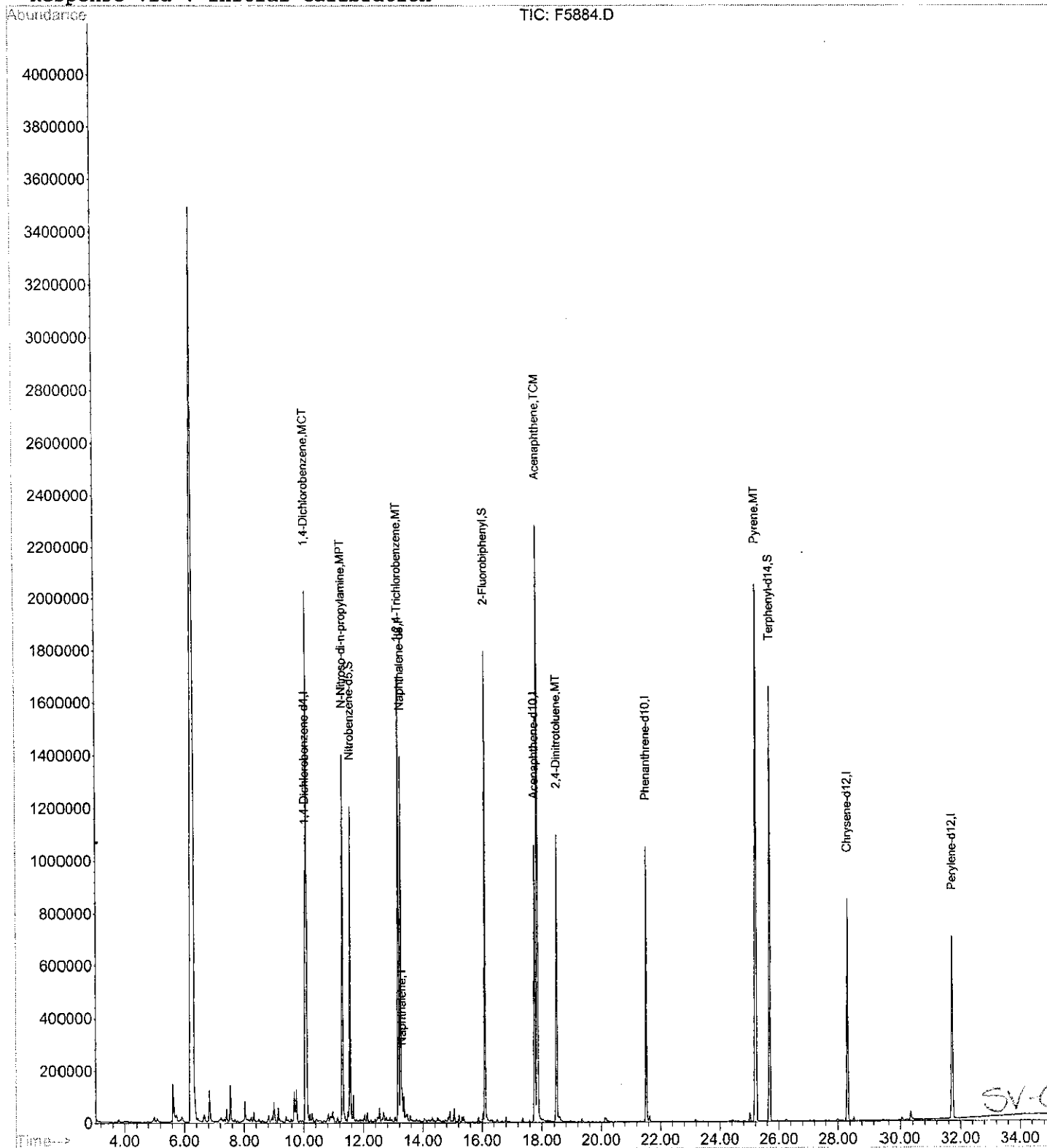
Quantitation Report

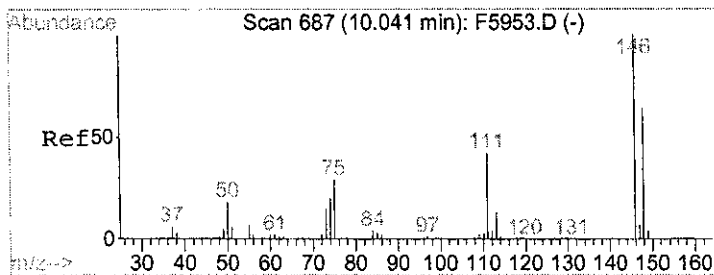
Data File : E:\F\DATA\AUG06\F0801\F5884.D
 Acq On : 1 Aug 2006 16:07
 Sample : 0607113
 Misc : SOIL 2903 07/31/06 MS S
 MS Integration Params: rteint.p
 Quant Time: Aug 8 11:37 2006

Vial: 10
 Operator: JOSE
 Inst : HP5971AF
 Multiplr: 1.00

Quant Results File: SVF80725.RES

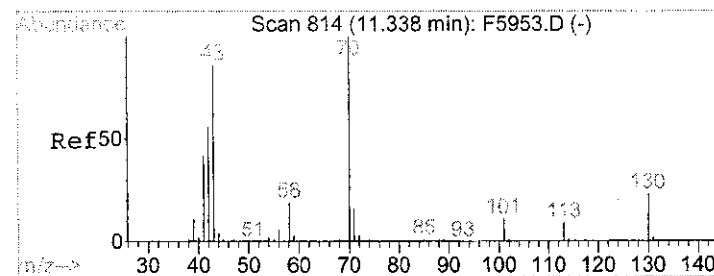
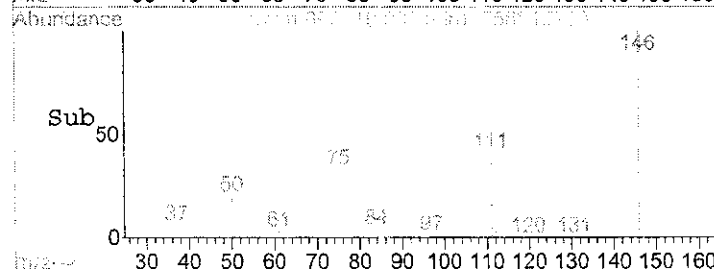
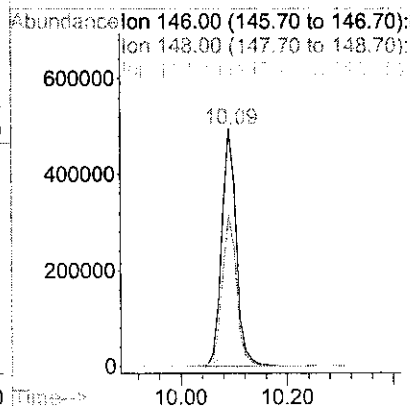
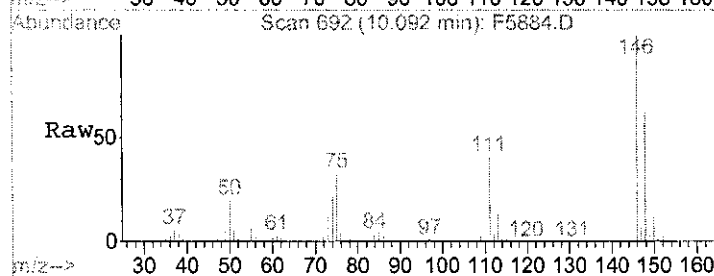
Method : E:\F\METHODS\SVF80725.M (RTE Integrator)
 Title : SEMI-VOA 8270 CALIBRATION HP5971AF
 Last Update : Wed Aug 02 11:13:45 2006
 Response via : Initial Calibration





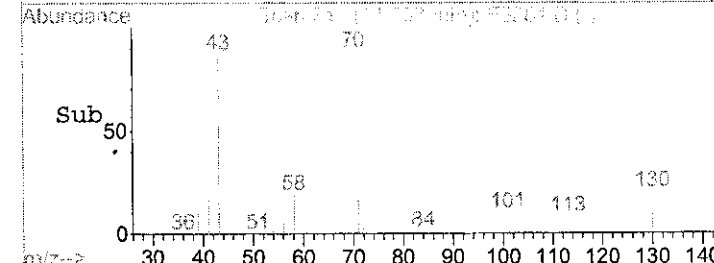
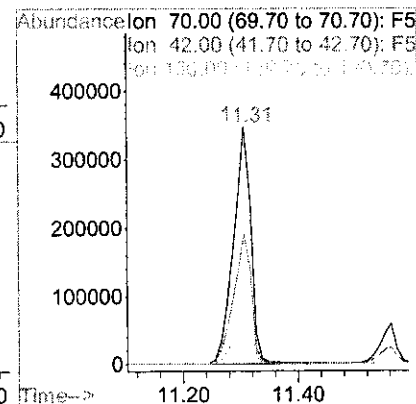
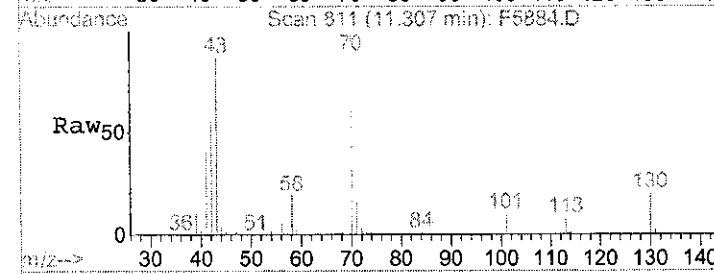
#11
1,4-Dichlorobenzene
Concen: 78.62 ul/l
RT: 10.09 min Scan# 692
Delta R.T. -0.02 min
Lab File: F5884.D
Acq: 1 Aug 2006 16:07

Tgt Ion: 146 Resp: 931291
Ion Ratio Lower Upper
146 100
148 63.4 43.8 83.8
113 13.5 0.0 32.7

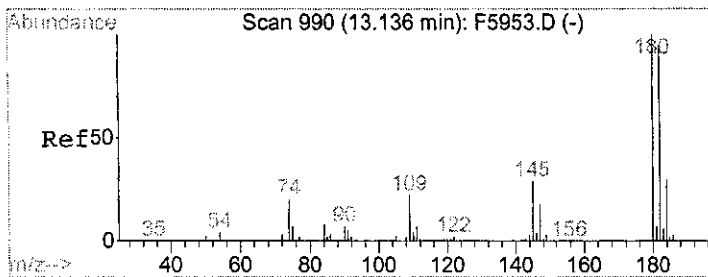


#17
N-Nitroso-di-n-propylamine
Concen: 62.13 ul/l
RT: 11.31 min Scan# 811
Delta R.T. -0.05 min
Lab File: F5884.D
Acq: 1 Aug 2006 16:07

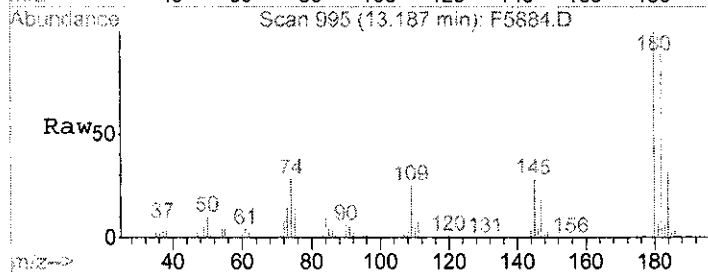
Tgt Ion: 70 Resp: 737136
Ion Ratio Lower Upper
70 100
42 55.9 35.7 75.7
130 21.9 2.7 42.7



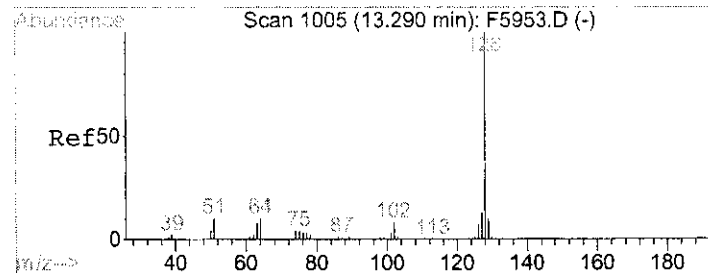
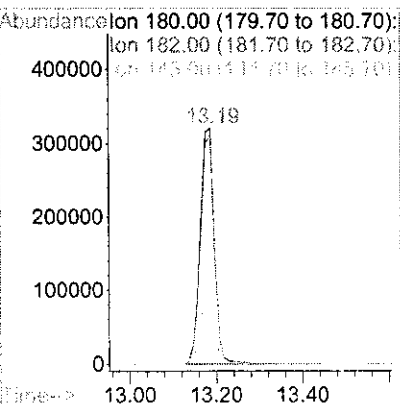
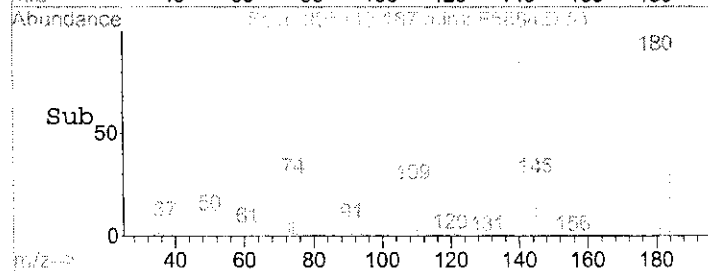
SV-63



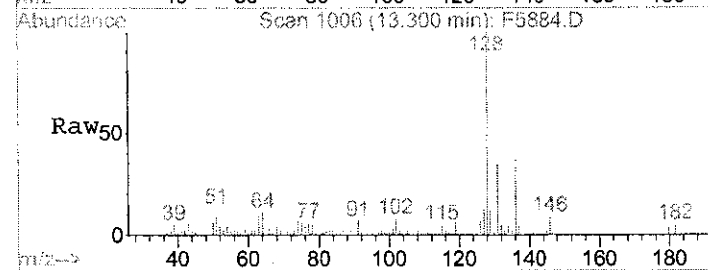
#28
1,2,4-Trichlorobenzene
Concen: 83.42 ul/l
RT: 13.19 min Scan# 995
Delta R.T. -0.01 min
Lab File: F5884.D
Acq: 1 Aug 2006 16:07



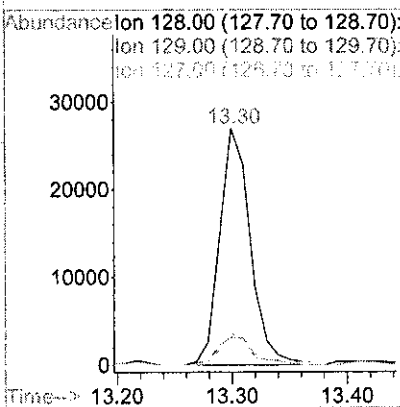
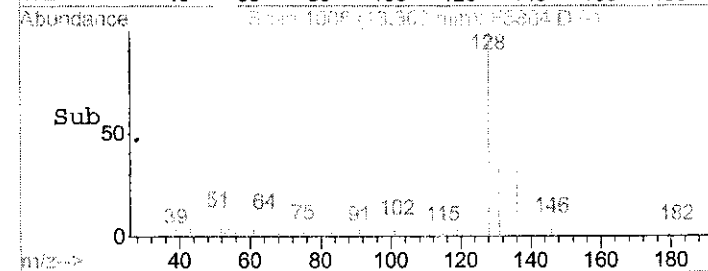
Tgt Ion:180 Resp: 710579
Ion Ratio Lower Upper
180 100
182 95.2 75.8 115.8
145 28.9 9.6 49.6



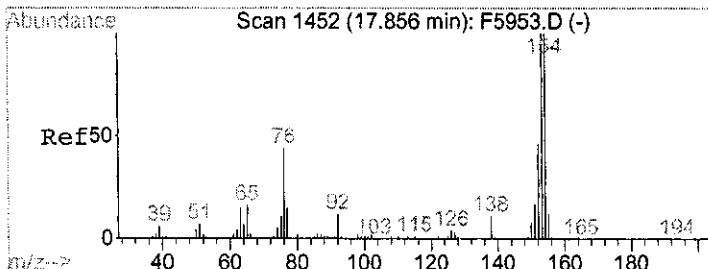
#29
Naphthalene
Concen: 1.76 ul/l
RT: 13.30 min Scan# 1006
Delta R.T. -0.04 min
Lab File: F5884.D
Acq: 1 Aug 2006 16:07



Tgt Ion:128 Resp: 50096
Ion Ratio Lower Upper
128 100
129 13.6 0.0 30.8
127 14.0 0.0 32.6

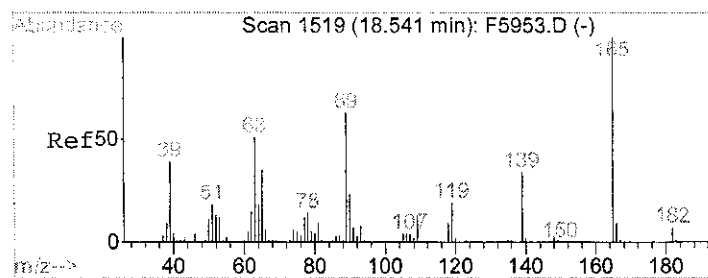
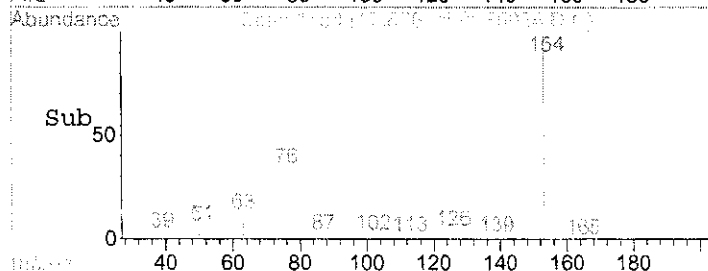
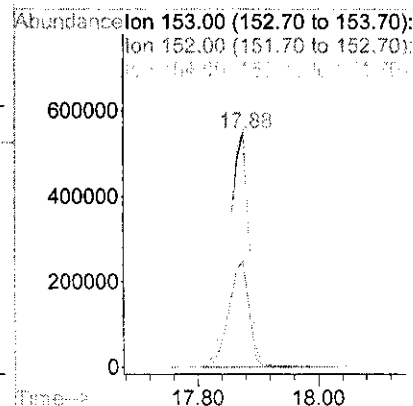
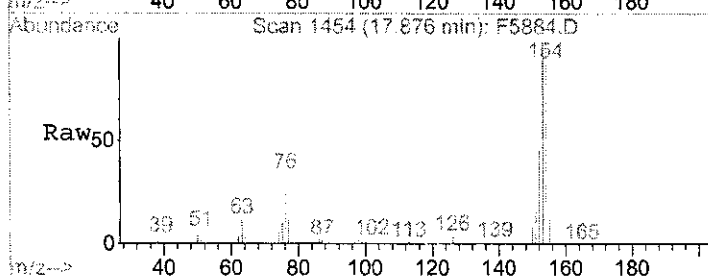


SV-64



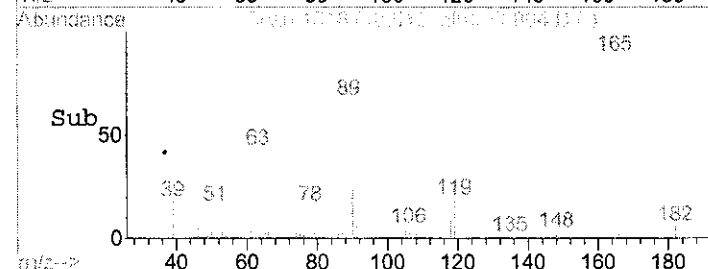
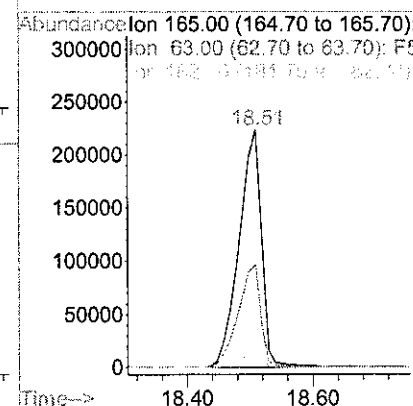
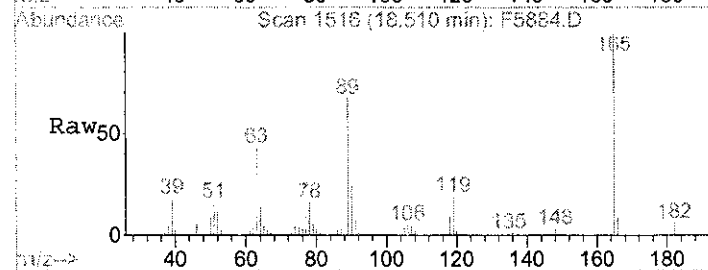
#44
Acenaphthene
Concen: 84.91 ul/l
RT: 17.88 min Scan# 1454
Delta R.T. -0.02 min
Lab File: F5884.D
Acq: 1 Aug 2006 16:07

Tgt Ion: 153 Resp: 1268507
Ion Ratio Lower Upper
153 100
152 46.0 26.5 66.5
154 101.4 80.4 120.4

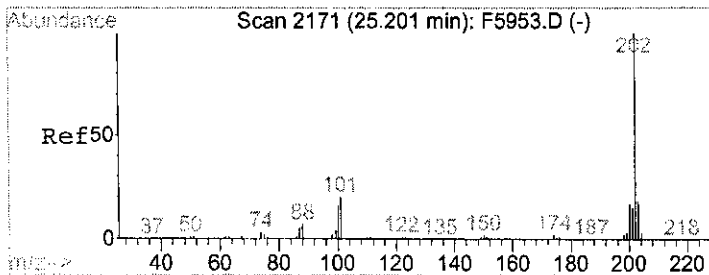


#49
2,4-Dinitrotoluene
Concen: 81.85 ul/l
RT: 18.51 min Scan# 1516
Delta R.T. -0.03 min
Lab File: F5884.D
Acq: 1 Aug 2006 16:07

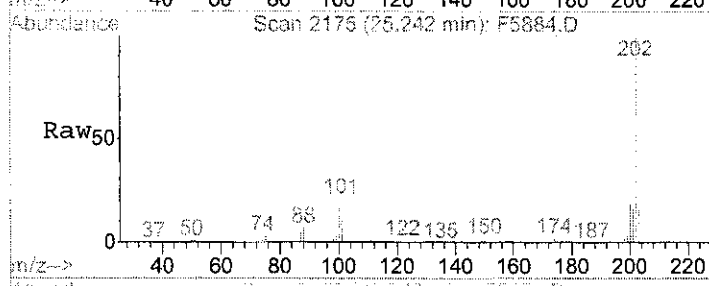
Tgt Ion: 165 Resp: 551460
Ion Ratio Lower Upper
165 100
63 44.2 33.8 73.8
182 6.2 0.0 26.6



SV-65

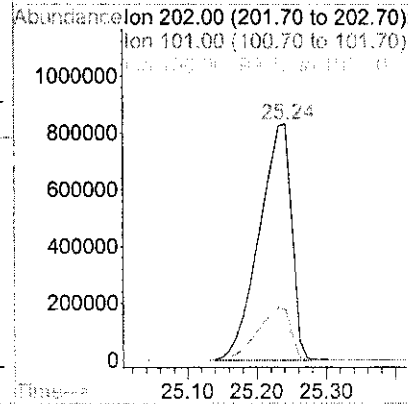
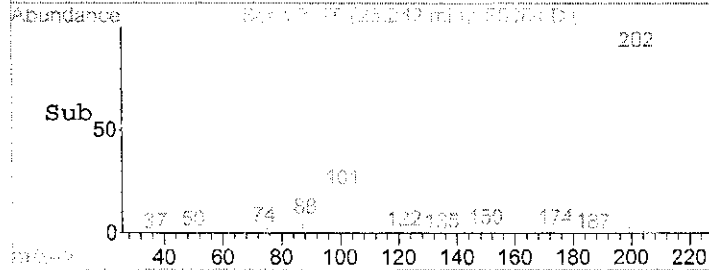


#70
 Pyrene
 Concen: 101.32 ul/l
 RT: 25.24 min Scan# 2175
 Delta R.T. 0.00 min
 Lab File: F5884.D
 Acq: 1 Aug 2006 16:07



Tgt Ion: 202 Resp: 2673424

Ion	Ratio	Lower	Upper
202	100		
101	22.6	4.1	44.1
100	18.3	0.0	39.4



SV-660

Data File : E:\F\DATA\AUG06\F0801\F5884.D

Vial: 10

Acq On : 1 Aug 2006 16:07

Operator: JOSE

Sample : 0607113

Inst : HP5971AF

Misc : SOIL 2903 07/31/06 MS S

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Aug 8 11:37 2006

Quant Results File: SVF80725.RES

Quant Method : E:\F\METHODS\SVF80725.M (RTE Integrator) .

Title : SEMI-VOA 8270 CALIBRATION HP5971AF

Last Update : Tue Aug 01 09:58:11 2006

Response via : Initial Calibration

DataAcq Meth : SVF80725

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.05	152	310591	40.00	ul/l	-0.01
19) Naphthalene-d8	13.26	136	1086139	40.00	ul/l	-0.02
34) Acenaphthene-d10	17.77	164	541539	40.00	ul/l	-0.03
55) Phenanthrene-d10	21.52	188	825987	40.00	ul/l	-0.03
68) Chrysene-d12	28.33	240	739615	40.00	ul/l	-0.05
77) Perylene-d12	31.74	264	655036	40.00	ul/l	-0.04

System Monitoring Compounds

4) 2-Fluorophenol	0.00	112	0	0.00	ul/l	
Spiked Amount	200.000	Range	25 - 121	Recovery	=	0.00%#
6) Phenol-d5	9.75	99	2345	0.14	ul/l	0.15
Spiked Amount	200.000	Range	24 - 113	Recovery	=	0.07%#
20) Nitrobenzene-d5	11.56	82	829375	57.25	ul/l	-0.02
Spiked Amount	100.000	Range	23 - 120	Recovery	=	57.25%
38) 2-Fluorobiphenyl	16.11	172	1159794	65.16	ul/l	-0.03
Spiked Amount	100.000	Range	30 - 115	Recovery	=	65.16%
54) 2,4,6-Tribromophenol	0.00	330	0	0.00	ul/l	
Spiked Amount	200.000	Range	19 - 122	Recovery	=	0.00%#
71) Terphenyl-d14	25.70	244	1405490	81.41	ul/l	-0.01
Spiked Amount	100.000	Range	18 - 137	Recovery	=	81.41%

Target Compounds

						Qvalue
11) 1,4-Dichlorobenzene	10.09	146	931291	78.62	ul/l	99
17) N-Nitroso-di-n-propylamine	11.31	70	737136	62.13	ul/l	99
28) 1,2,4-Trichlorobenzene	13.19	180	710579	83.42	ul/l	99
29) Naphthalene	13.30	128	50096	1.76	ul/l	95
44) Acenaphthene	17.88	153	1268507	84.91	ul/l	99
49) 2,4-Dinitrotoluene	18.51	165	551460	81.85	ul/l	88
70) Pyrene	25.24	202	2673424	101.32	ul/l	97

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

F5884.D SVF80725.M

Wed Aug 09 11:59:07 2006

SV-67

Quantitation Report

Data File : E:\F\DATA\AUG06\F0801\F5885.D

Vial: 11

Acq On : 1 Aug 2006 16:53

Operator: JOSE

Sample : 0607114

Inst : HP5971AF

Misc : SOIL 2903 07/31/06 MSD S

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Aug 8 11:38 2006

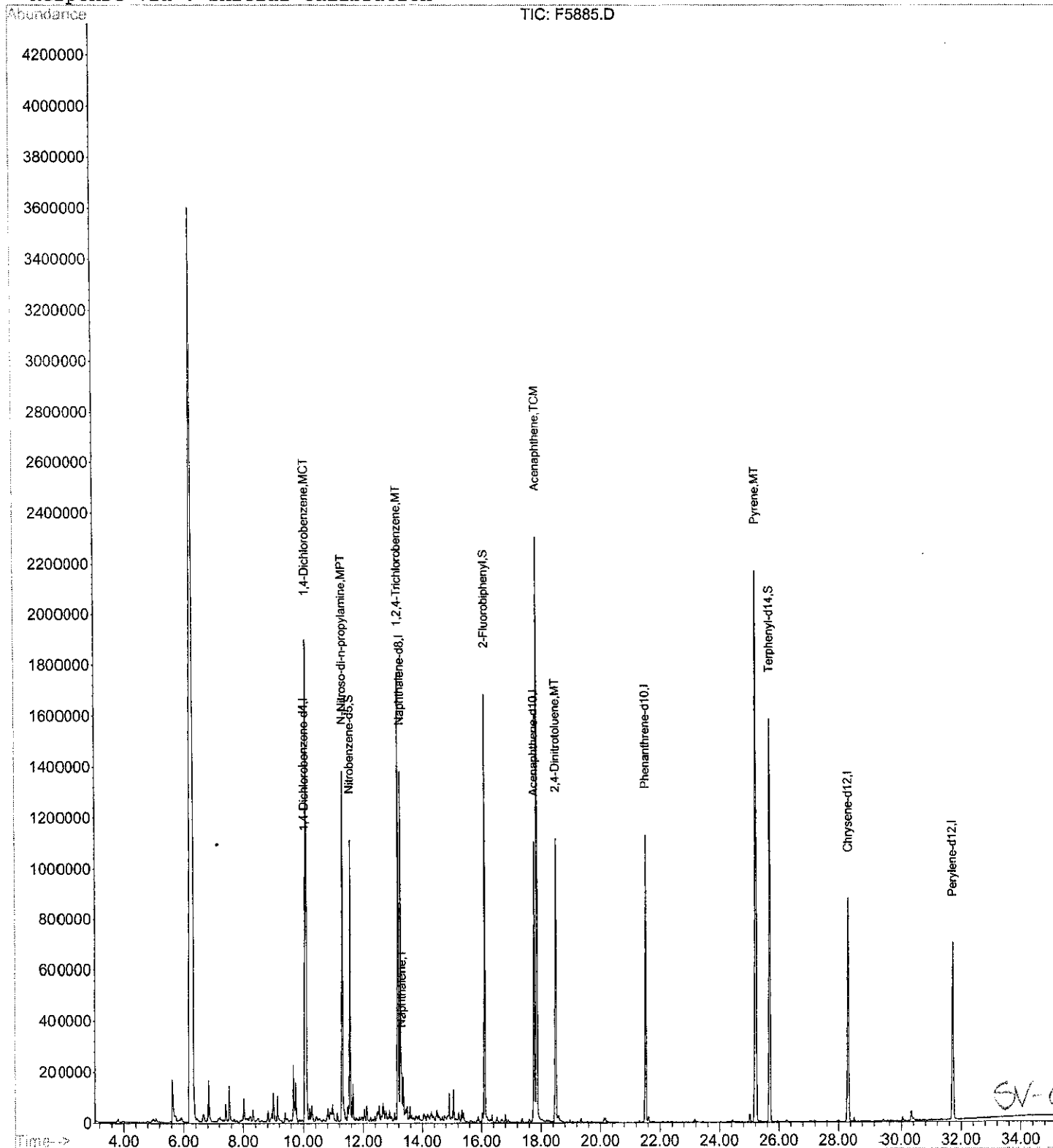
Quant Results File: SVF80725.RES

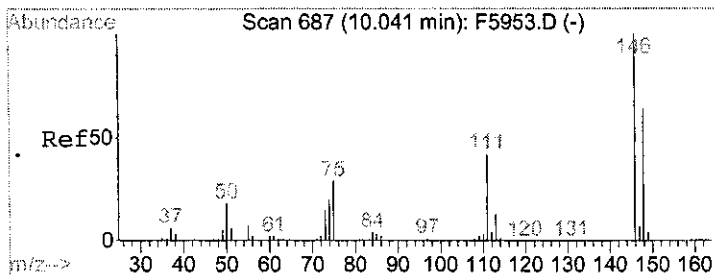
Method : E:\F\METHODS\SVF80725.M (RTE Integrator)

Title : SEMI-VOA 8270 CALIBRATION HP5971AF

Last Update : Wed Aug 02 11:13:45 2006

Response via : Initial Calibration

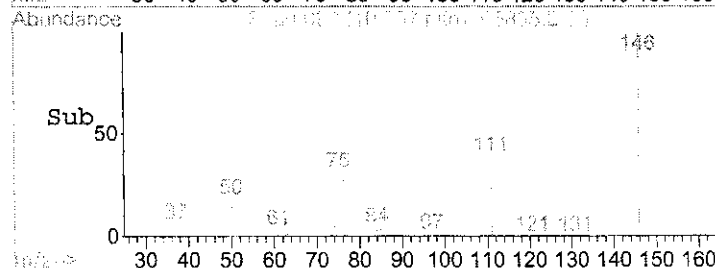
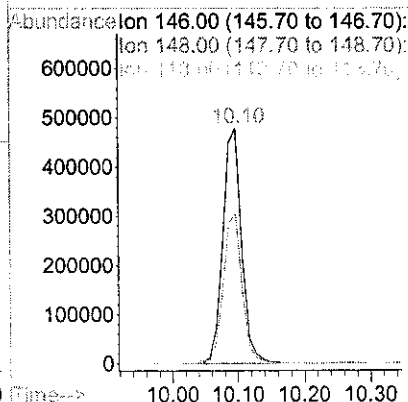
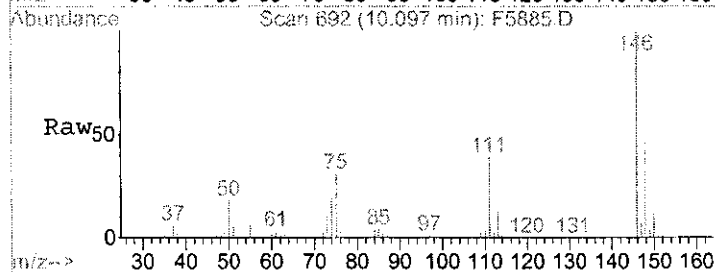




#11
 1,4-Dichlorobenzene
 Concen: 79.85 ul/l
 RT: 10.10 min Scan# 692
 Delta R.T. -0.01 min
 Lab File: F5885.D
 Acq: 1 Aug 2006 16:53

Tgt Ion: 146 Resp: 947832

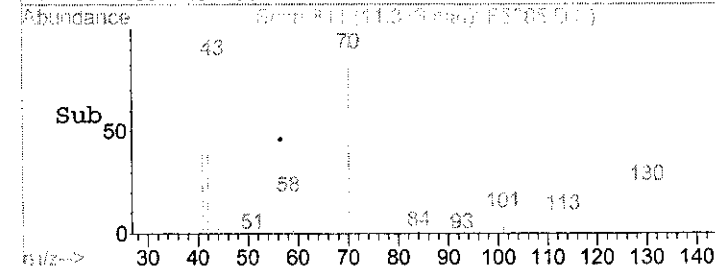
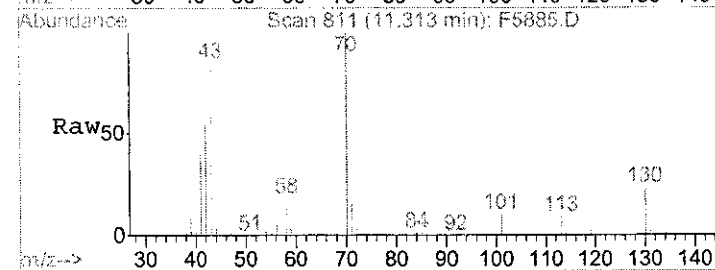
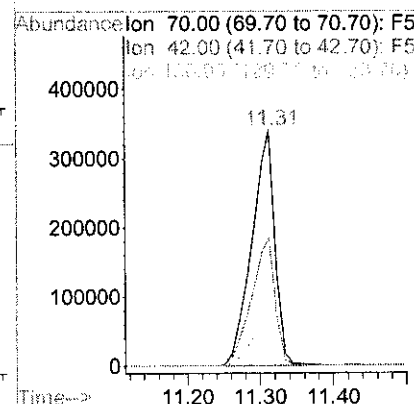
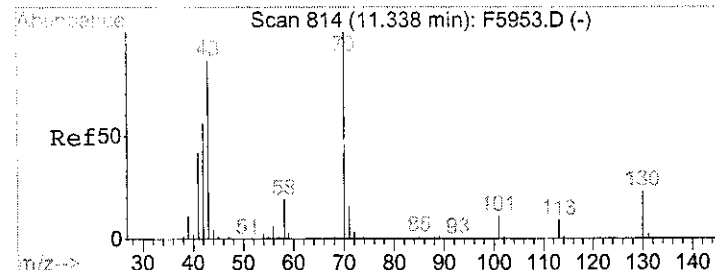
Ion	Ratio	Lower	Upper
146	100		
148	63.5	43.8	83.8
113	13.8	0.0	32.7



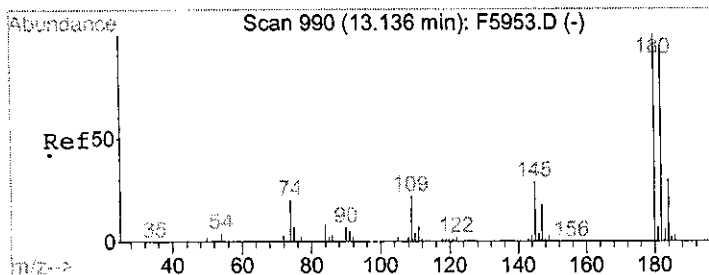
#17
 N-Nitroso-di-n-propylamine
 Concen: 62.29 ul/l
 RT: 11.31 min Scan# 811
 Delta R.T. -0.05 min
 Lab File: F5885.D
 Acq: 1 Aug 2006 16:53

Tgt Ion: 70 Resp: 740607

Ion	Ratio	Lower	Upper
70	100		
42	56.1	35.7	75.7
130	22.6	2.7	42.7



SV-69



#28

1,2,4-Trichlorobenzene

Concen: 81.34 ul/l

RT: 13.18 min Scan# 994

Delta R.T. -0.01 min

Lab File: F5885.D

Acq: 1 Aug 2006 16:53

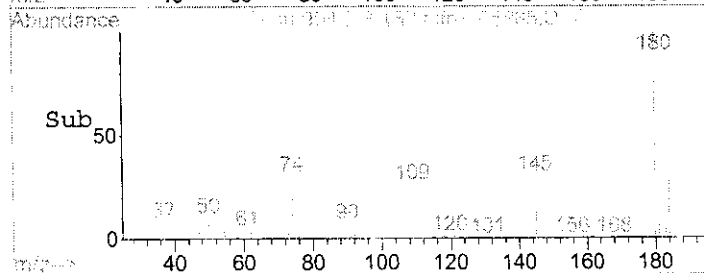
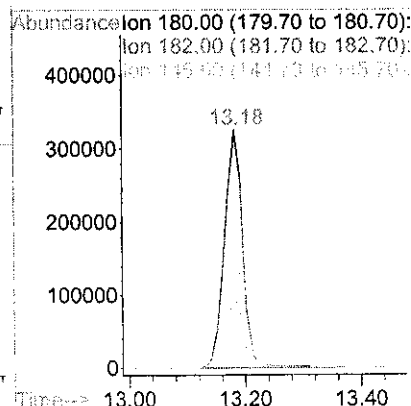
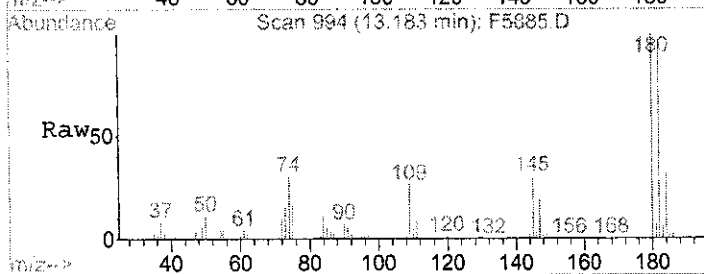
Tgt Ion:180 Resp: 709365

Ion Ratio Lower Upper

180 100

182 96.3 75.8 115.8

145 29.5 9.6 49.6



#29

Naphthalene

Concen: 3.47 ul/l

RT: 13.31 min Scan# 1006

Delta R.T. -0.04 min

Lab File: F5885.D

Acq: 1 Aug 2006 16:53

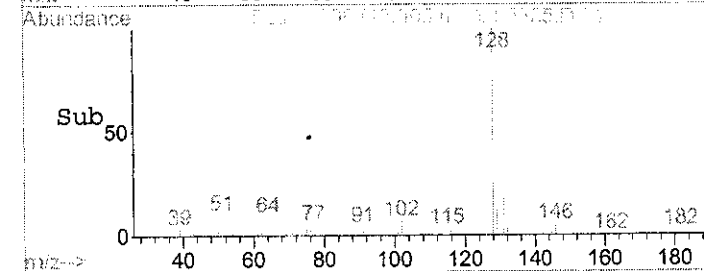
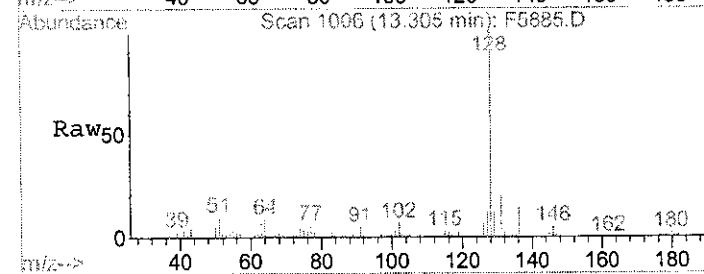
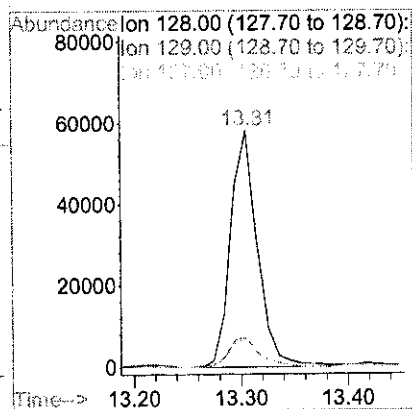
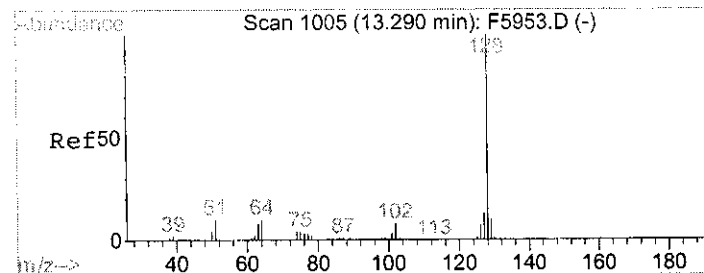
Tgt Ion:128 Resp: 100956

Ion Ratio Lower Upper

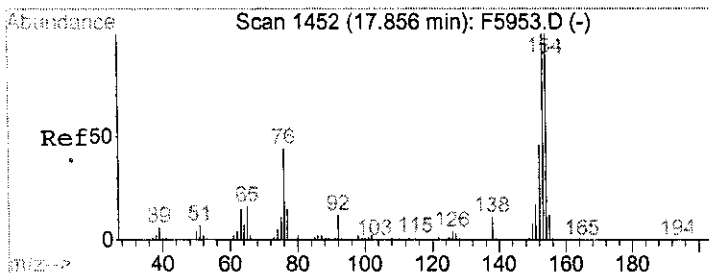
128 100

129 14.3 0.0 30.8

127 14.0 0.0 32.6



SV-70



#44

Acenaphthene

Concen: 84.60 ul/l

RT: 17.87 min Scan# 1453

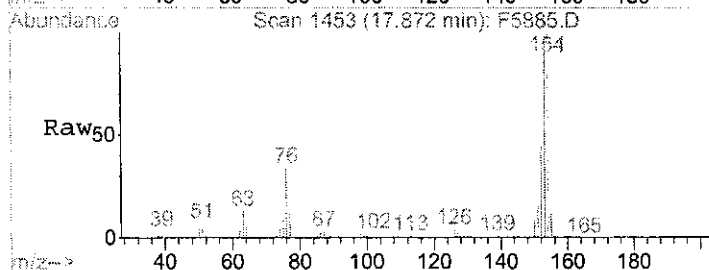
Delta R.T. -0.02 min

Lab File: F5885.D

Acq: 1 Aug 2006 16:53

Tgt Ion:153 Resp: 1318635

Ion	Ratio	Lower	Upper
153	100		
152	45.4	26.5	66.5
154	100.9	80.4	120.4

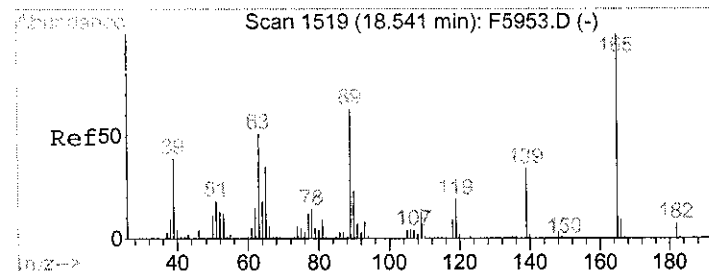
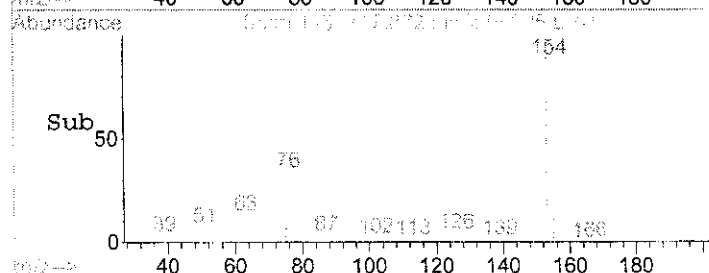
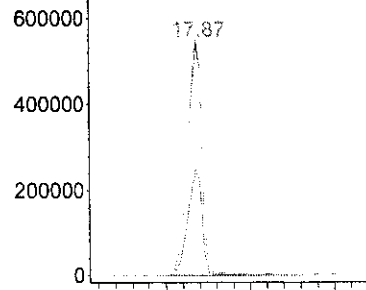


Abundance

Ion 153.00 (152.70 to 153.70):

Ion 152.00 (151.70 to 152.70):

Ion 154.00 (153.70 to 154.70):



#49

2,4-Dinitrotoluene

Concen: 81.17 ul/l

RT: 18.51 min Scan# 1515

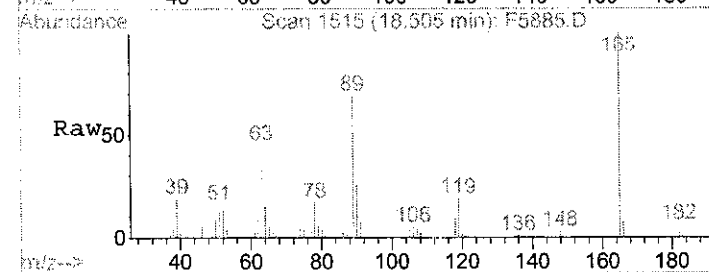
Delta R.T. -0.04 min

Lab File: F5885.D

Acq: 1 Aug 2006 16:53

Tgt Ion:165 Resp: 570574

Ion	Ratio	Lower	Upper
165	100		
63	42.0	33.8	73.8
182	6.2	0.0	26.6

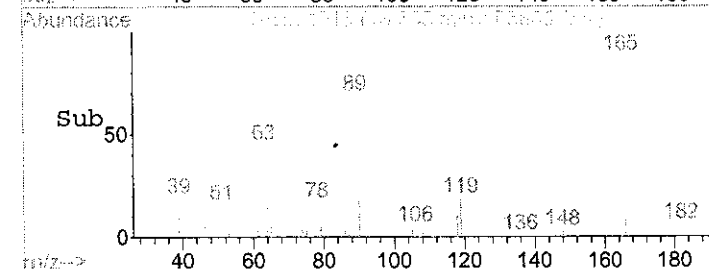
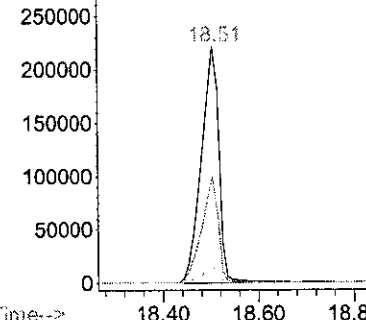


Abundance

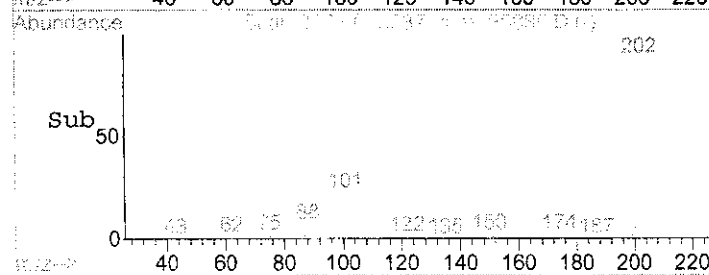
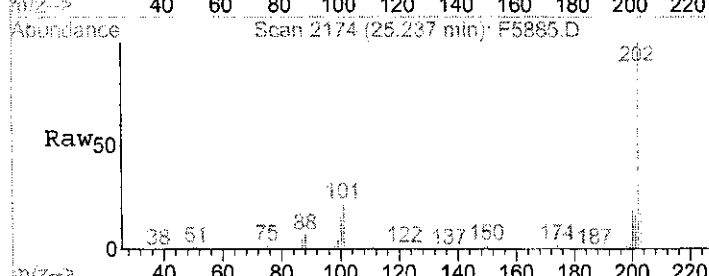
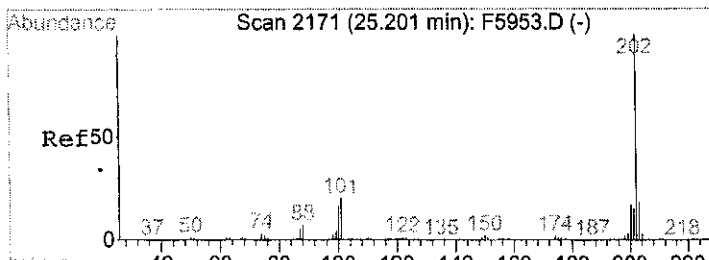
Ion 165.00 (164.70 to 165.70):

Ion 63.00 (62.70 to 63.70): F5

Ion 182.00 (181.70 to 182.70):



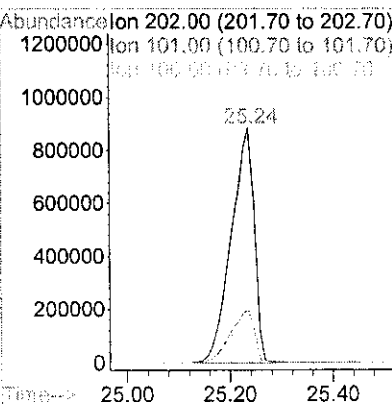
SV-71



#70
 Pyrene
 Concen: 100.00 ul/l
 RT: 25.24 min Scan# 2174
 Delta R.T. -0.00 min
 Lab File: F5885.D
 Acq: 1 Aug 2006 16:53

Tgt Ion: 202 Resp: 2726568

Ion	Ratio	Lower	Upper
202	100		
101	22.8	4.1	44.1
100	18.5	0.0	39.4



SV-72

Data File : E:\F\DATA\AUG06\F0801\F5885.D

Vial: 11

Acq On : 1 Aug 2006 16:53

Operator: JOSE

Sample : 0607114

Inst : HP5971AF

Misc : SOIL 2903 07/31/06 MSD S

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Aug 8 11:38 2006

Quant Results File: SVF80725.RES

Quant Method : E:\F\METHODS\SVF80725.M (RTE Integrator)

Title : SEMI-VOA 8270 CALIBRATION HP5971AF

Last Update : Tue Aug 01 09:58:11 2006

Response via : Initial Calibration

DataAcq Meth : SVF80725

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.05	152	311264	40.00	ul/l	-0.01
19) Naphthalene-d8	13.26	136	1112105	40.00	ul/l	-0.01
34) Acenaphthene-d10	17.78	164	565013	40.00	ul/l	-0.02
55) Phenanthrene-d10	21.53	188	876433	40.00	ul/l	-0.02
68) Chrysene-d12	28.33	240	764319	40.00	ul/l	-0.05
77) Perylene-d12	31.73	264	649142	40.00	ul/l	-0.05

System Monitoring Compounds

4) 2-Fluorophenol	0.00	112	0	0.00	ul/l	
Spiked Amount	200.000	Range	25 - 121	Recovery	=	0.00%#
6) Phenol-d5	9.75	99	2408	0.14	ul/l	0.15
Spiked Amount	200.000	Range	24 - 113	Recovery	=	0.07%#
20) Nitrobenzene-d5	11.56	82	802425	54.10	ul/l	-0.02
Spiked Amount	100.000	Range	23 - 120	Recovery	=	54.10%
38) 2-Fluorobiphenyl	16.11	172	1142186	61.50	ul/l	-0.02
Spiked Amount	100.000	Range	30 - 115	Recovery	=	61.50%
54) 2,4,6-Tribromophenol	0.00	330	0	0.00	ul/l	
Spiked Amount	200.000	Range	19 - 122	Recovery	=	0.00%#
71) Terphenyl-d14	25.70	244	1398490	78.39	ul/l	-0.01
Spiked Amount	100.000	Range	18 - 137	Recovery	=	78.39%

Target Compounds

						Qvalue
11) 1,4-Dichlorobenzene	10.10	146	947832	79.85	ul/l	99
17) N-Nitroso-di-n-propylamine	11.31	70	740607	62.29	ul/l	100
28) 1,2,4-Trichlorobenzene	13.18	180	709365	81.34	ul/l	100
29) Naphthalene	13.31	128	100956	3.47	ul/l	94
44) Acenaphthene	17.87	153	1318635	84.60	ul/l	99
49) 2,4-Dinitrotoluene	18.51	165	570574	81.17	ul/l	85
70) Pyrene	25.24	202	2726568	100.00	ul/l	98

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

F5885.D SVF80725.M

Wed Aug 09 11:59:18 2006

SV-73

Quantitation Report

Data File : E:\F\DATA\JUL06\F0731\F5870.D

Vial: 14

Acq On : 31 Jul 2006 21:17

Operator: JOSE

Sample : 0607115

Inst : HP5971AF

Misc : WATER 2903 07/28/06 05-DP8 A (K)

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Aug 8 11:39 2006

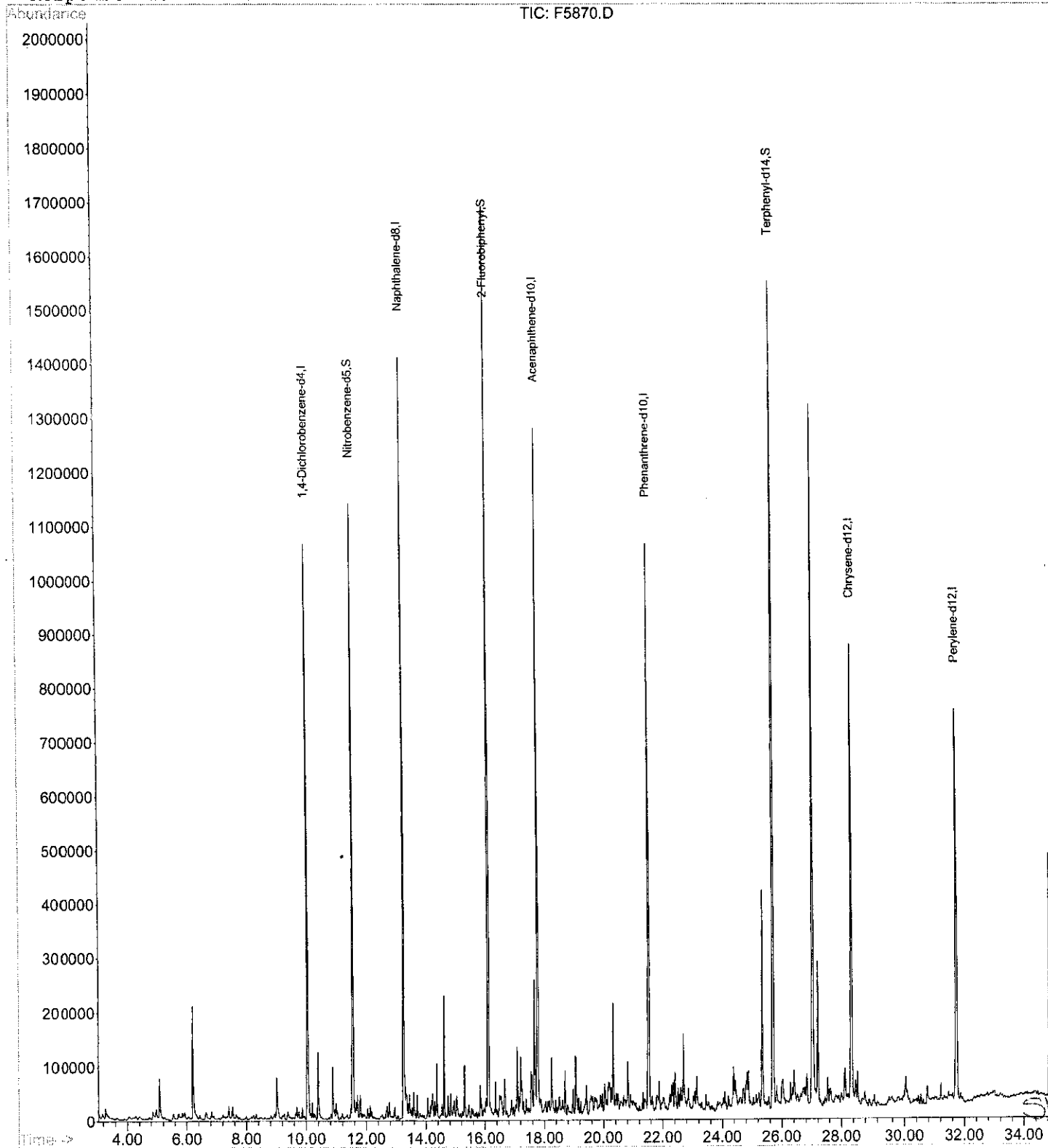
Quant Results File: SVF80725.RES

Method : E:\F\METHODS\SVF80725.M (RTE Integrator)

Title : SEMI-VOA 8270 CALIBRATION HP5971AF

Last Update : Wed Aug 02 11:13:45 2006

Response via : Initial Calibration



Data File : E:\F\DATA\JUL06\F0731\F5870.D

Vial: 14

Acq On : 31 Jul 2006 21:17

Operator: JOSE

Sample : 0607115

Inst : HP5971AF

Misc : WATER 2903 07/28/06 05-DP8 A (P)

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Aug 8 11:39 2006

Quant Results File: SVF80725.RES

Quant Method : E:\F\METHODS\SVF80725.M (RTE Integrator)

Title : SEMI-VOA 8270 CALIBRATION HP5971AF

Last Update : Tue Jul 25 16:35:06 2006

Response via : Initial Calibration

DataAcq Meth : SVF80725

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.04	152	317824	40.00	ul/l	-0.18
19) Naphthalene-d8	13.26	136	1176956	40.00	ul/l	-0.19
34) Acenaphthene-d10	17.78	164	602913	40.00	ul/l	-0.20
55) Phenanthrene-d10	21.53	188	832961	40.00	ul/l	-0.19
68) Chrysene-d12	28.35	240	711085	40.00	ul/l	-0.20
77) Perylene-d12	31.75	264	638537	40.00	ul/l	-0.19

System Monitoring Compounds

4) 2-Fluorophenol	0.00	112	0	0.00	ul/l	
Spiked Amount	200.000	Range	21 - 100	Recovery	=	0.00%#
6) Phenol-d5	9.49	99	509	0.03	ul/l	-0.14
Spiked Amount	200.000	Range	10 - 94	Recovery	=	0.01%#
20) Nitrobenzene-d5	11.55	82	803581	51.19	ul/l	-0.13
Spiked Amount	100.000	Range	35 - 114	Recovery	=	51.19%
38) 2-Fluorobiphenyl	16.12	172	1138761	57.46	ul/l	-0.18
Spiked Amount	100.000	Range	43 - 116	Recovery	=	57.46%
54) 2,4,6-Tribromophenol	0.00	330	0	0.00	ul/l	
Spiked Amount	200.000	Range	10 - 123	Recovery	=	0.00%#
71) Terphenyl-d14	25.71	244	1305559	78.66	ul/l	-0.16
Spiked Amount	100.000	Range	33 - 141	Recovery	=	78.66%

Target Compounds

Qvalue

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

F5870.D SVF80725.M Tue Aug 08 11:59:43 2006

SV-75

Quantitation Report

Data File : E:\F\DATA\JUL06\F0731\F5871.D

Vial: 15

Acq On : 31 Jul 2006 22:02

Operator: JOSE

Sample : 0607116

Inst : HP5971AF

Misc : WATER 2903 07/28/06 05-DP6 A 15

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Aug 8 11:41 2006

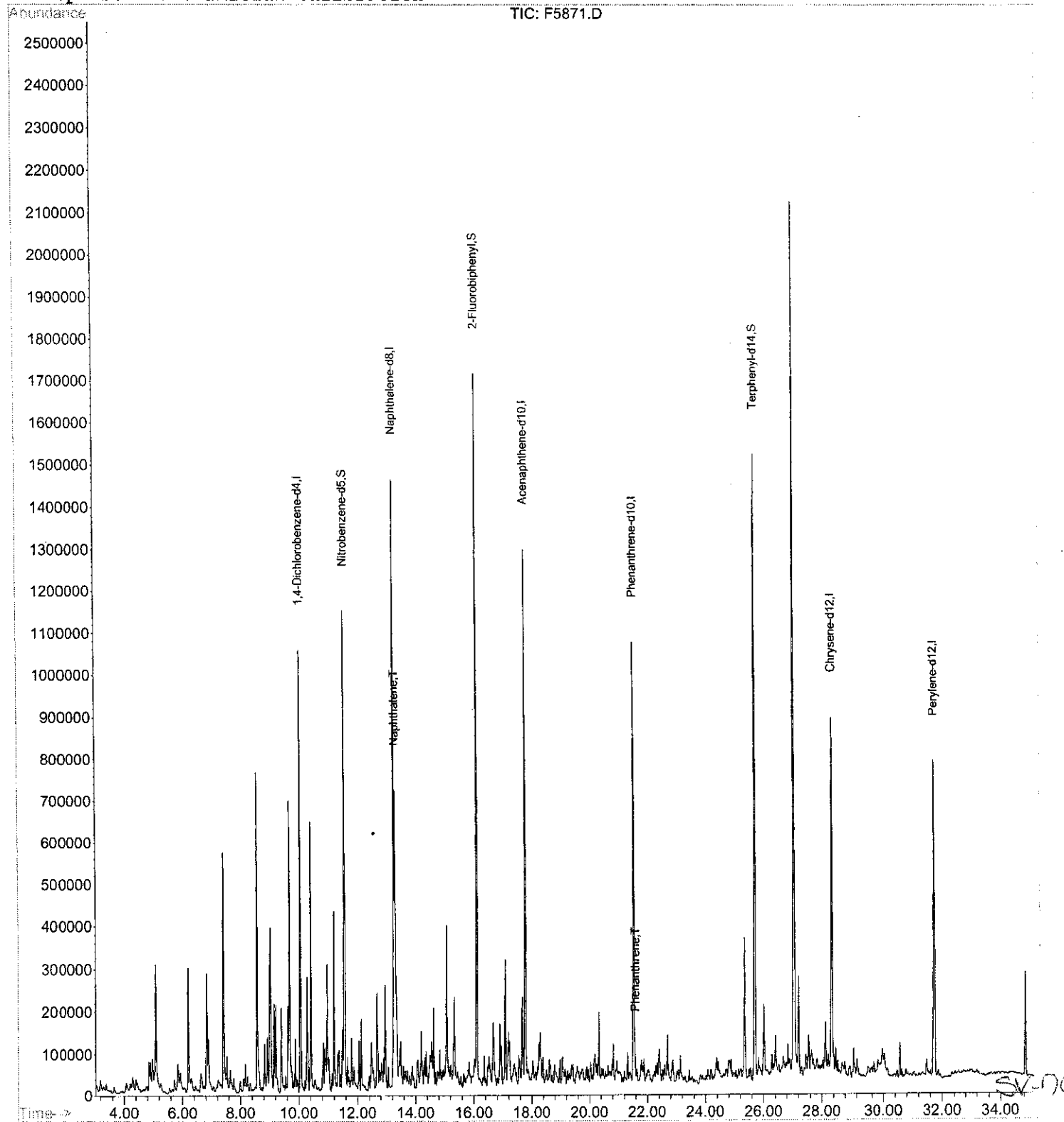
Quant Results File: SVF80725.RES

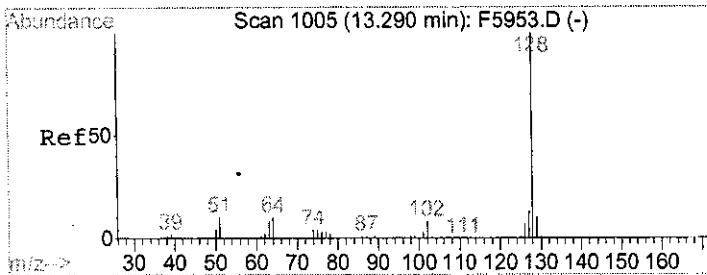
Method : E:\F\METHODS\SVF80725.M (RTE Integrator)

Title : SEMI-VOA 8270 CALIBRATION HP5971AF

Last Update : Wed Aug 02 11:13:45 2006

Response via : Initial Calibration





#29

Naphthalene

Concen: 11.75 ul/l

RT: 13.30 min Scan# 1006

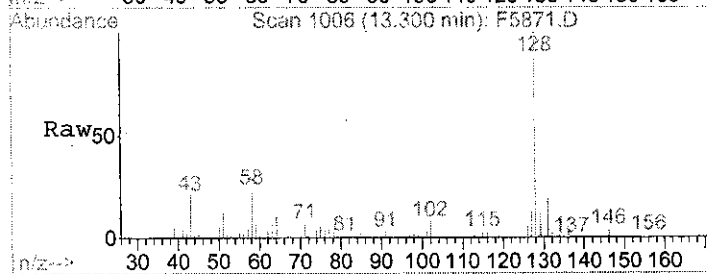
Delta R.T. -0.20 min

Lab File: F5871.D

Acq: 31 Jul 2006 22:02

Tgt Ion:128 Resp: 364244

Ion	Ratio	Lower	Upper
128	100		
129	13.1	0.0	30.7
127	12.6	0.0	20.0

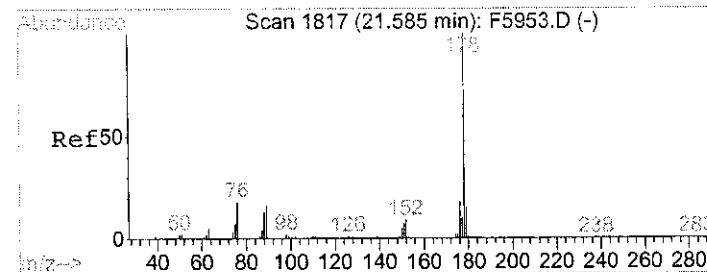
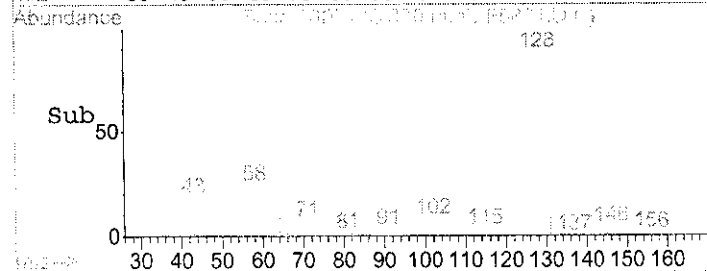
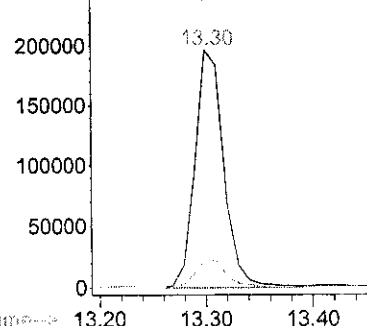


Abundance

Ion 128.00 (127.70 to 128.70):

Ion 129.00 (128.70 to 129.70):

Ion 127.00 (126.70 to 127.70):



#64

Phenanthrene

Concen: 1.21 ul/l

RT: 21.58 min Scan# 1817

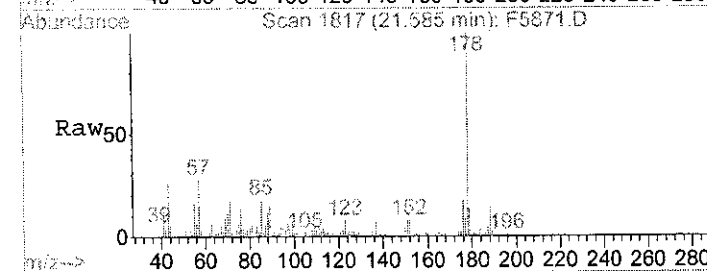
Delta R.T. -0.21 min

Lab File: F5871.D

Acq: 31 Jul 2006 22:02

Tgt Ion:178 Resp: 31130

Ion	Ratio	Lower	Upper
178	100		
179	18.5	0.0	34.9
176	16.9	0.0	38.3

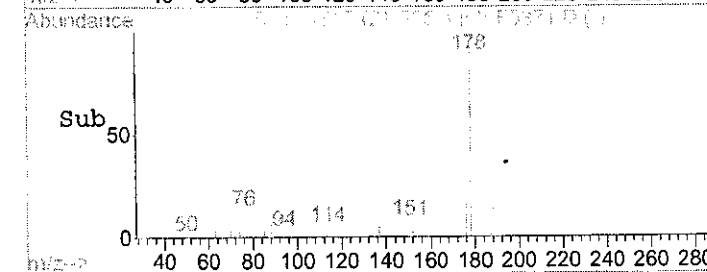
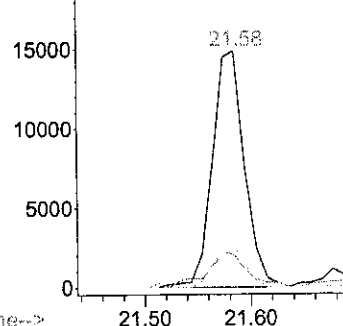


Abundance

Ion 178.00 (177.70 to 178.70):

Ion 179.00 (178.70 to 179.70):

Ion 176.00 (175.70 to 176.70):



SV-77

Data File : E:\F\DATA\JUL06\F0731\F5871.D

Acq On : 31 Jul 2006 22:02

Sample : 0607116

Misc : WATER 2903 07/28/06 05-DP6 A (S)

MS Integration Params: rteint.p

Quant Time: Aug 8 11:41 2006

Vial: 15

Operator: JOSE

Inst : HP5971AF

Multiplr: 1.00

Quant Results File: SVF80725.RES

Quant Method : E:\F\METHODS\SVF80725.M (RTE Integrator)

Title : SEMI-VOA 8270 CALIBRATION HP5971AF

Last Update : Tue Jul 25 16:35:06 2006

Response via : Initial Calibration

DataAcq Meth : SVF80725

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.05	152	315279	40.00	ul/l	-0.17
19) Naphthalene-d8	13.26	136	1185352	40.00	ul/l	-0.19
34) Acenaphthene-d10	17.78	164	591275	40.00	ul/l	-0.20
55) Phenanthrene-d10	21.53	188	819521	40.00	ul/l	-0.19
68) Chrysene-d12	28.35	240	713797	40.00	ul/l	-0.20
77) Perylene-d12	31.76	264	641715	40.00	ul/l	-0.18

System Monitoring Compounds

4) 2-Fluorophenol	7.07	112	326	0.03	ul/l	-0.16
Spiked Amount	200.000	Range	21 - 100	Recovery	=	0.01%#
6) Phenol-d5	9.50	99	2285	0.13	ul/l	-0.13
Spiked Amount	200.000	Range	10 - 94	Recovery	=	0.07%#
20) Nitrobenzene-d5	11.56	82	789739	49.96	ul/l	-0.12
Spiked Amount	100.000	Range	35 - 114	Recovery	=	49.96%
38) 2-Fluorobiphenyl	16.12	172	1112107	57.22	ul/l	-0.18
Spiked Amount	100.000	Range	43 - 116	Recovery	=	57.22%
54) 2,4,6-Tribromophenol	0.00	330	0	0.00	ul/l	
Spiked Amount	200.000	Range	10 - 123	Recovery	=	0.00%#
71) Terphenyl-d14	25.71	244	1252161	75.15	ul/l	-0.16
Spiked Amount	100.000	Range	33 - 141	Recovery	=	75.15%

Target Compounds

					Qvalue
29) Naphthalene	13.30	128	364244	11.75	ul/l 94
64) Phenanthrene	21.58	178	31130	1.21	ul/l 94

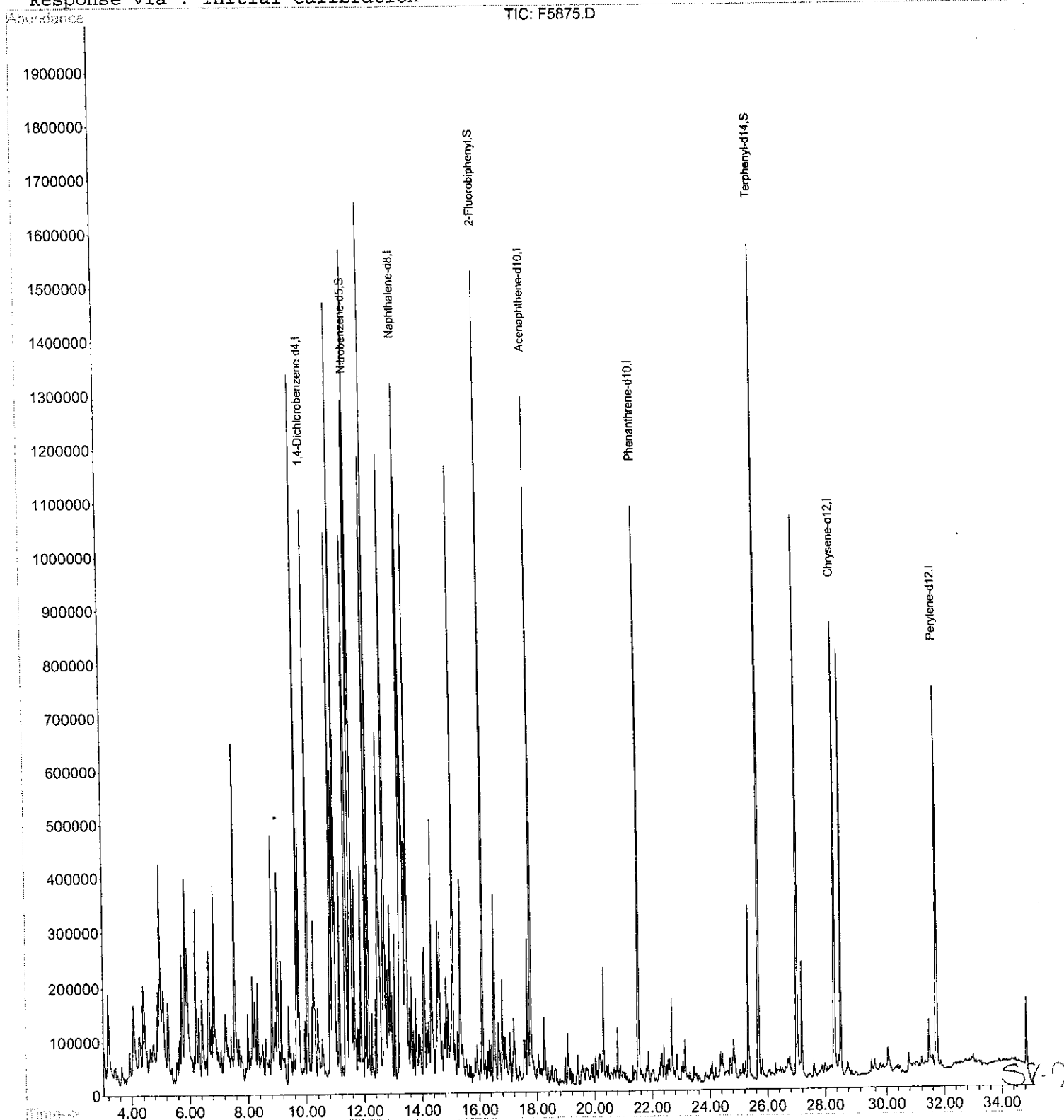
Quantitation Report

Data File : E:\F\DATA\AUG06\F0801\F5875.D
 Acq On : 1 Aug 2006 9:15
 Sample : 0607117
 Misc : WATER 2903 07/28/06 05-DP5 A
 MS Integration Params: rteint.p
 Quant Time: Aug 8 11:41 2006

Vial: 1
 Operator: JOSE
 Inst : HP5971AF
 Multiplr: 1.00

Quant Results File: SVF80725.RES

Method : E:\F\METHODS\SVF80725.M (RTE Integrator)
 Title : SEMI-VOA 8270 CALIBRATION HP5971AF
 Last Update : Wed Aug 02 11:13:45 2006
 Response via : Initial Calibration



Data File : E:\F\DATA\AUG06\F0801\F5875.D
 Acq On : 1 Aug 2006 9:15
 Sample : 0607117
 Misc : WATER 2903 07/28/06 05-DP5 A
 MS Integration Params: rteint.p
 Quant Time: Aug 8 11:41 2006

Vial: 1
 Operator: JOSE
 Inst : HP5971AF
 Multiplr: 1.00

Quant Results File: SVF80725.RES

Quant Method : E:\F\METHODS\SVF80725.M (RTE Integrator)
 Title : SEMI-VOA 8270 CALIBRATION HP5971AF
 Last Update : Tue Jul 25 16:35:06 2006
 Response via : Initial Calibration
 DataAcq Meth : SVF80725

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.05	152	292563	40.00	ul/l	-0.17
19) Naphthalene-d8	13.27	136	1180389	40.00	ul/l	-0.17
34) Acenaphthene-d10	17.79	164	594076	40.00	ul/l	-0.19
55) Phenanthrene-d10	21.53	188	843043	40.00	ul/l	-0.19
68) Chrysene-d12	28.35	240	719544	40.00	ul/l	-0.20
77) Perylene-d12	31.75	264	615032	40.00	ul/l	-0.19
System Monitoring Compounds						
4) 2-Fluorophenol	7.16	112	343	0.03	ul/l	-0.07
Spiked Amount 200.000	Range 21 - 100		Recovery =	0.01%#		
6) Phenol-d5	9.44	99	792	0.05	ul/l	-0.19
Spiked Amount 200.000	Range 10 - 94		Recovery =	0.03%#		
20) Nitrobenzene-d5	11.57	82	702912	44.65	ul/l	-0.11
Spiked Amount 100.000	Range 35 - 114		Recovery =	44.65%		
38) 2-Fluorobiphenyl	16.12	172	1008856	51.67	ul/l	-0.18
Spiked Amount 100.000	Range 43 - 116		Recovery =	51.67%		
54) 2,4,6-Tribromophenol	0.00	330	0	0.00	ul/l	
Spiked Amount 200.000	Range 10 - 123		Recovery =	0.00%#		
71) Terphenyl-d14	25.71	244	1337641	79.64	ul/l	-0.16
Spiked Amount 100.000	Range 33 - 141		Recovery =	79.64%		

Target Compounds

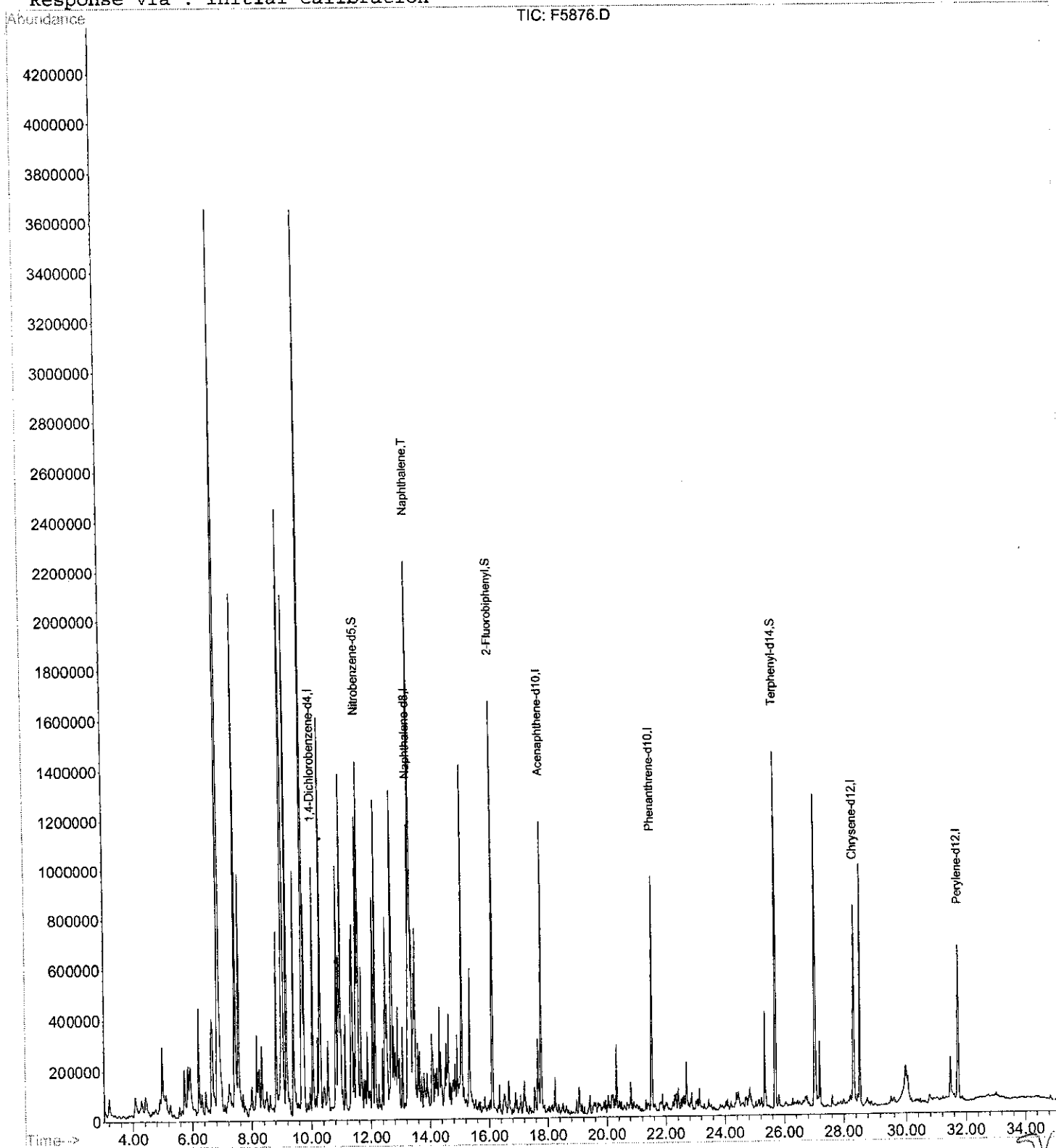
Qvalue

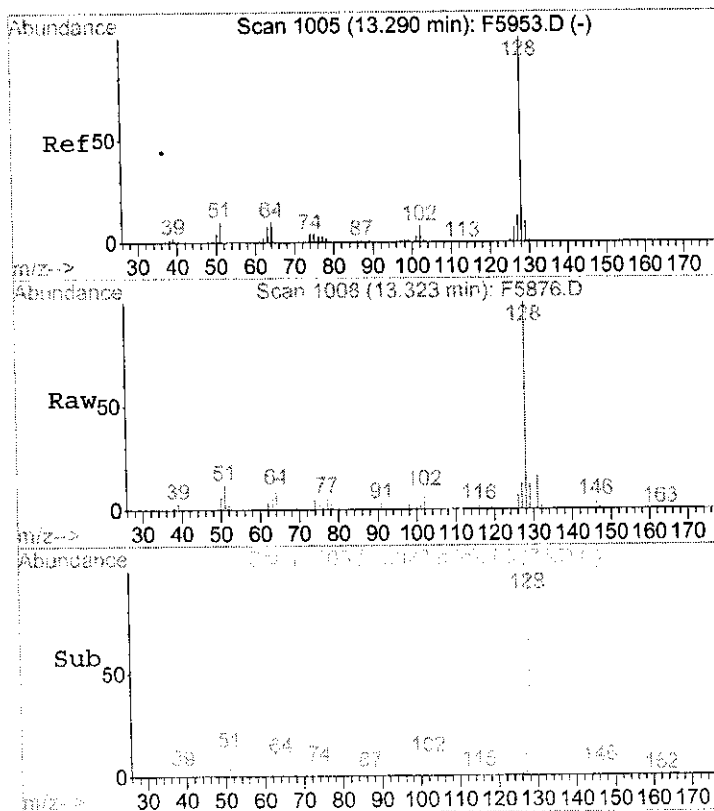
Quantitation Report

Data File : E:\F\DATA\AUG06\F0801\F5876.D
 Acq On : 1 Aug 2006 10:01
 Sample : 0607118
 Misc : WATER 2903 07/28/06 05-DP4 A
 MS Integration Params: rteint.p
 Quant Time: Aug 8 11:42 2006

Vial: 2
 Operator: JOSE
 Inst : HP5971AF
 Multiplr: 1.00
 Quant Results File: SVF80725.RES

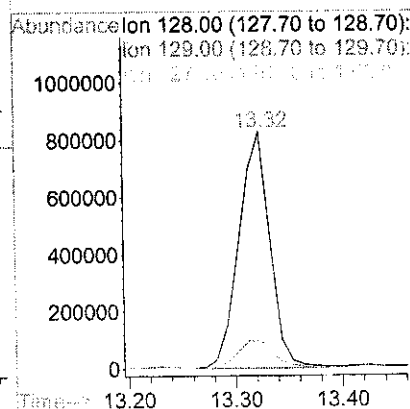
Method : E:\F\METHODS\SVF80725.M (RTE Integrator)
 Title : SEMI-VOA 8270 CALIBRATION HP5971AF
 Last Update : Wed Aug 02 11:13:45 2006
 Response via : Initial Calibration





#29
 Naphthalene
 Concen: 58.14 ul/l
 RT: 13.32 min Scan# 1008
 Delta R.T. -0.02 min
 Lab File: F5876.D
 Acq: 1 Aug 2006 10:01

Tgt Ion:128 Resp: 1661867
 Ion Ratio Lower Upper
 128 100
 129 13.9 0.0 30.8
 127 12.8 0.0 32.6



Data File : E:\F\DATA\AUG06\F0801\F5876.D
 Acq On : 1 Aug 2006 10:01
 Sample : 0607118
 Misc : WATER 2903 07/28/06 05-DP4 A
 MS Integration Params: rteint.p
 Quant Time: Aug 8 11:42 2006

Vial: 2
 Operator: JOSE
 Inst : HP5971AF
 Multiplr: 1.00

Quant Results File: SVF80725.RES

Quant Method : E:\F\METHODS\SVF80725.M (RTE Integrator)
 Title : SEMI-VOA 8270 CALIBRATION HP5971AF
 Last Update : Tue Aug 01 09:58:11 2006
 Response via : Initial Calibration
 DataAcq Meth : SVF80725

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.05	152	263068	40.00	ul/l	0.00
19) Naphthalene-d8	13.26	136	1093265	40.00	ul/l	-0.02
34) Acenaphthene-d10	17.78	164	541285	40.00	ul/l	-0.03
55) Phenanthrene-d10	21.53	188	773008	40.00	ul/l	-0.03
68) Chrysene-d12	28.34	240	646103	40.00	ul/l	-0.04
77) Perylene-d12	31.75	264	536343	40.00	ul/l	-0.03

System Monitoring Compounds

4) 2-Fluorophenol	7.06	112	1976	0.19	ul/l	-0.12
Spiked Amount	200.000	Range	21 - 100	Recovery	=	0.10%#
6) Phenol-d5	0.00	99	0d	0.00	ul/l	
Spiked Amount	200.000	Range	10 - 94	Recovery	=	0.00%#
20) Nitrobenzene-d5	11.57	82	791314	54.27	ul/l	-0.02
Spiked Amount	100.000	Range	35 - 114	Recovery	=	54.27%
38) 2-Fluorobiphenyl	16.11	172	1130428	63.54	ul/l	-0.03
Spiked Amount	100.000	Range	43 - 116	Recovery	=	63.54%
54) 2,4,6-Tribromophenol	0.00	330	0	0.00	ul/l	
Spiked Amount	200.000	Range	10 - 123	Recovery	=	0.00%#
71) Terphenyl-d14	25.70	244	1160333	76.94	ul/l	0.00
Spiked Amount	100.000	Range	33 - 141	Recovery	=	76.94%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
29) Naphthalene	13.32	128	1661867	58.14	ul/l	96

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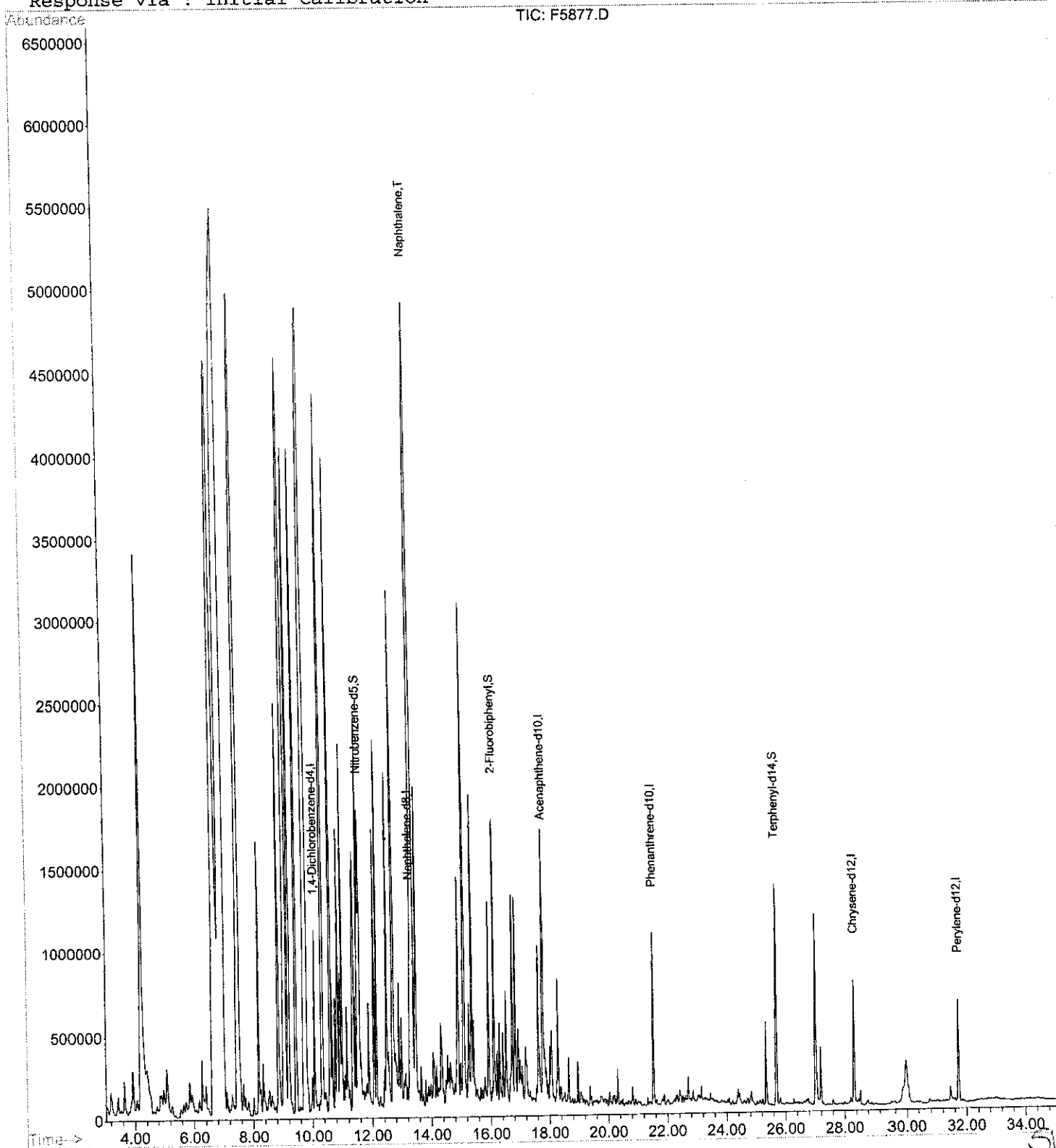
Quantitation Report

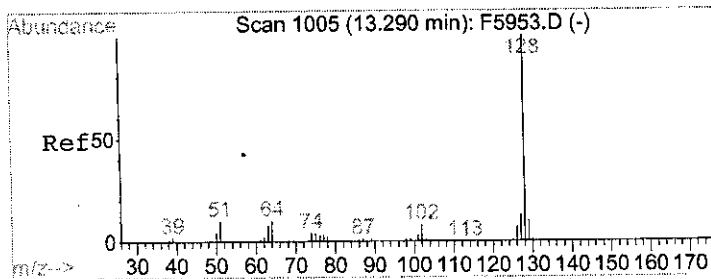
Data File : E:\F\DATA\AUG06\F0801\F5877.D
 Acq On : 1 Aug 2006 10:46
 Sample : 0607119
 Misc : WATER 2903 07/28/06 05-DP2 A
 MS Integration Params: rteint.p
 Quant Time: Aug 8 11:42 2006

Vial: 3
 Operator: JOSE
 Inst : HP5971AF
 Multiplr: 1.00

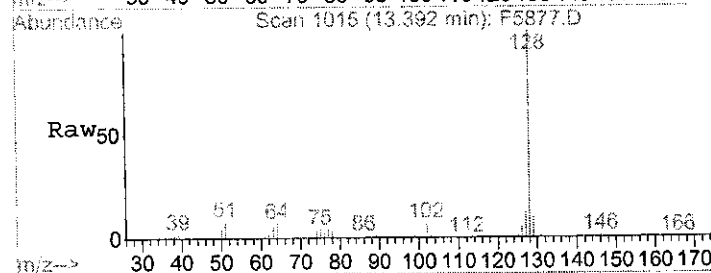
Quant Results File: SVF80725.RES

Method : E:\F\METHODS\SVF80725.M (RTE Integrator)
 Title : SEMI-VOA 8270 CALIBRATION HP5971AF
 Last Update : Wed Aug 02 11:13:45 2006
 Response via : Initial Calibration

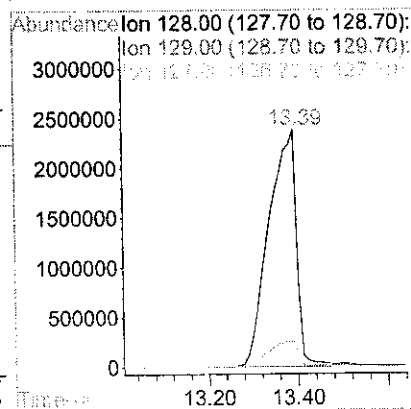
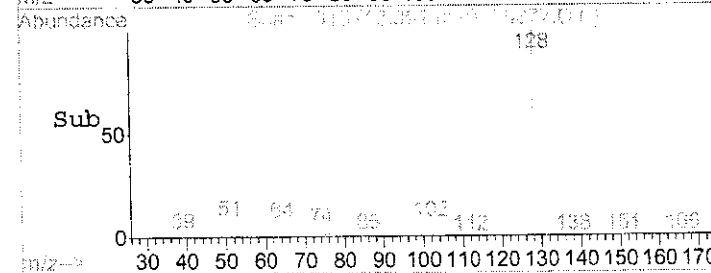




#29
Naphthalene
Concen: 345.65 ul/l
RT: 13.39 min Scan# 1015
Delta R.T. 0.05 min
Lab File: F5877.D
Acq: 1 Aug 2006 10:46



Tgt Ion:128 Resp:10171854
Ion Ratio Lower Upper
128 100
129 11.1 0.0 30.8
127 12.0 0.0 32.6



Data File : E:\F\DATA\AUG06\F0801\F5877.D
 Acq On : 1 Aug 2006 10:46
 Sample : 0607119
 Misc : WATER 2903 07/28/06 05-DP2 A
 MS Integration Params: rteint.p
 Quant Time: Aug 8 11:42 2006

Vial: 3
 Operator: JOSE
 Inst : HP5971AF
 Multiplr: 1.00

Quant Results File: SVF80725.RES

Quant Method : E:\F\METHODS\SVF80725.M (RTE Integrator)
 Title : SEMI-VOA 8270 CALIBRATION HP5971AF
 Last Update : Tue Aug 01 09:58:11 2006
 Response via : Initial Calibration
 DataAcq Meth : SVF80725

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.08	152	296482	40.00	ul/l	0.02
19) Naphthalene-d8	13.29	136	1125651	40.00	ul/l	0.01
34) Acenaphthene-d10	17.80	164	586328	40.00	ul/l	0.00
55) Phenanthrene-d10	21.53	188	805757	40.00	ul/l	-0.02
68) Chrysene-d12	28.34	240	617824	40.00	ul/l	-0.04
77) Perylene-d12	31.75	264	523412	40.00	ul/l	-0.03

System Monitoring Compounds

4) 2-Fluorophenol	0.00	112	0d	0.00	ul/l	
Spiked Amount	200.000	Range 21 - 100	Recovery	=	0.00%#	
6) Phenol-d5	0.00	99	0d	0.00	ul/l	
Spiked Amount	200.000	Range 10 - 94	Recovery	=	0.00%#	
20) Nitrobenzene-d5	11.58	82	848606	56.53	ul/l	0.00
Spiked Amount	100.000	Range 35 - 114	Recovery	=	56.53%	
38) 2-Fluorobiphenyl	16.13	172	1170483	60.73	ul/l	0.00
Spiked Amount	100.000	Range 43 - 116	Recovery	=	60.73%	
54) 2,4,6-Tribromophenol	0.00	330	0	0.00	ul/l	
Spiked Amount	200.000	Range 10 - 123	Recovery	=	0.00%#	
71) Terphenyl-d14	25.70	244	1138041	78.92	ul/l	0.00
Spiked Amount	100.000	Range 33 - 141	Recovery	=	78.92%	

Target Compounds						Qvalue
29) Naphthalene	13.39	128	10171854	345.65	ul/l	99

5X-86

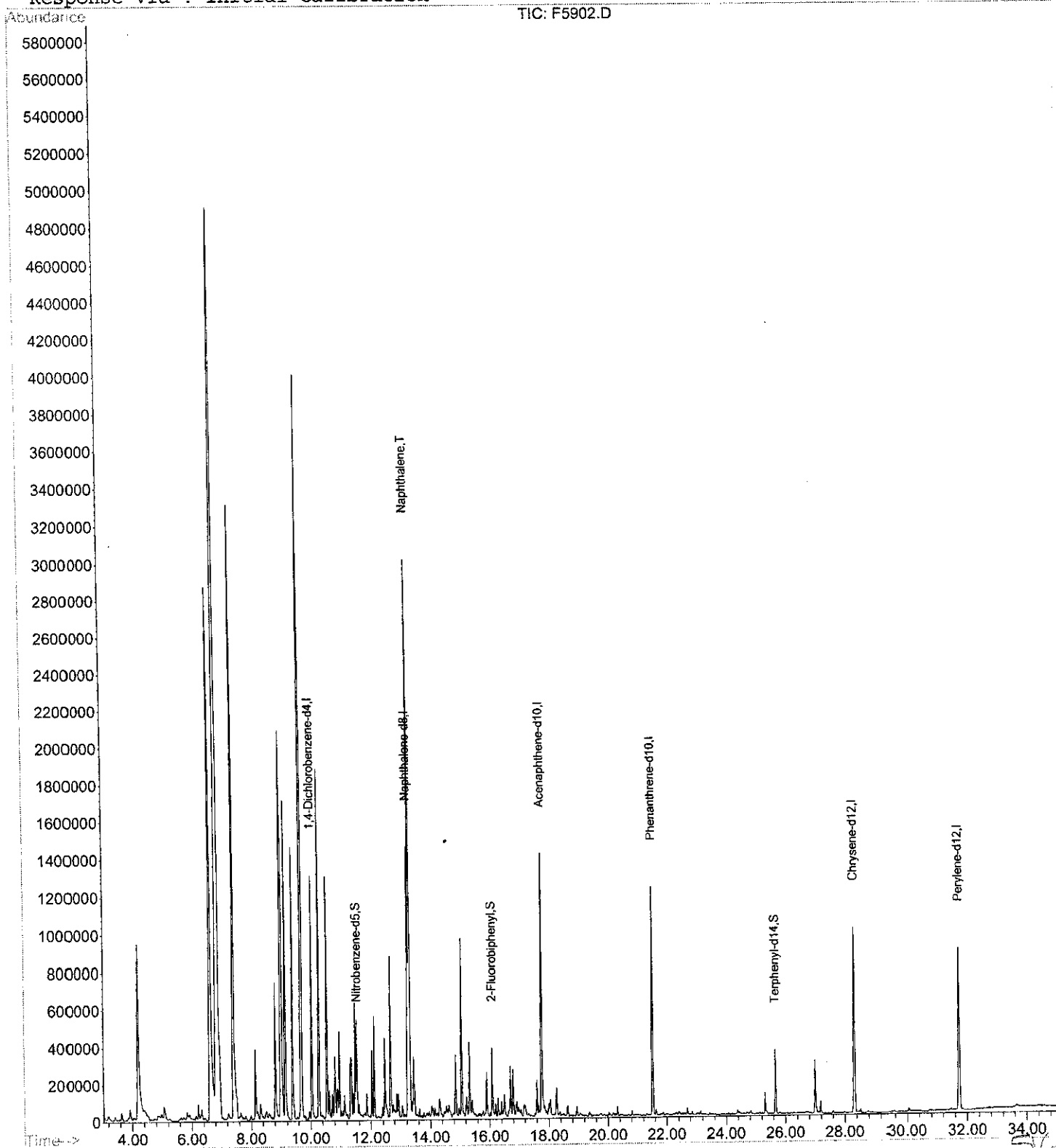
Quantitation Report

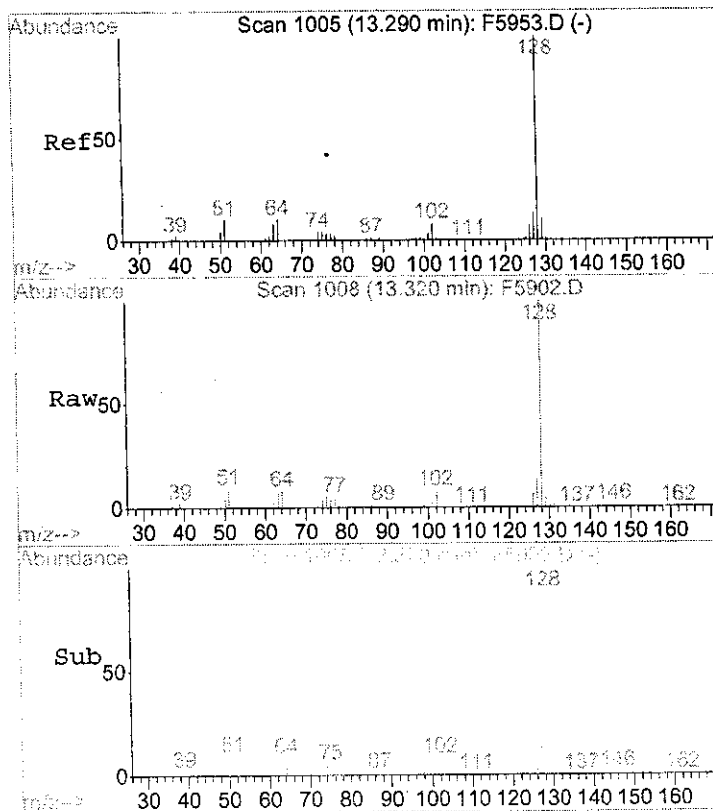
Data File : E:\F\DATA\AUG06\F0802\F5902.D
 Acq On : 2 Aug 2006 19:23
 Sample : 0607119DL
 Misc : SOIL 2903 07/31/06 05-DP2 ADL
 MS Integration Params: rteint.p
 Quant Time: Aug 8 11:43 2006

Vial: 11
 Operator: JOSE
 Inst : HP5971AF
 Multiplr: 5.00

Quant Results File: SVF80725.RES

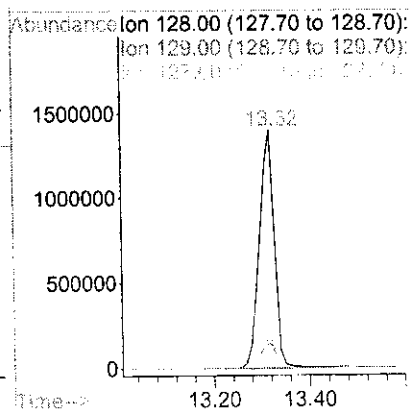
Method : E:\F\METHODS\SVF80725.M (RTE Integrator)
 Title : SEMI-VOA 8270 CALIBRATION HP5971AF
 Last Update : Wed Aug 02 11:13:45 2006
 Response via : Initial Calibration





#29
 Naphthalene
 Concen: 78.72 ul/l
 RT: 13.32 min Scan# 1008
 Delta R.T. -0.01 min
 Lab File: F5902.D
 Acq: 2 Aug 2006 19:23

Tgt Ion:128 Resp: 3043327
 Ion Ratio Lower Upper
 128 100
 129 10.8 0.0 30.8
 127 12.3 0.0 32.6



Data File : E:\F\DATA\AUG06\F0802\F5902.D

Vial: 11

Acq On : 2 Aug 2006 19:23

Operator: JOSE

Sample : 0607119DL

Inst : HP5971AF

Misc : SOIL 2903 07/31/06 05-DP2 ADL

Multiplr: 5.00

MS Integration Params: rteint.p

Quant Time: Aug 8 11:43 2006

Quant Results File: SVF80725.RES

Quant Method : E:\F\METHODS\SVF80725.M (RTE Integrator)

Title : SEMI-VOA 8270 CALIBRATION HP5971AF

Last Update : Wed Aug 02 11:32:24 2006

Response via : Initial Calibration

DataAcq Meth : SVF80725

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.04	152	402572	40.00	ul/l	-0.01
19) Naphthalene-d8	13.26	136	1478865	40.00	ul/l	-0.02
34) Acenaphthene-d10	17.78	164	703819	40.00	ul/l	-0.02
55) Phenanthrene-d10	21.53	188	1038373	40.00	ul/l	-0.02
68) Chrysene-d12	28.34	240	880699	40.00	ul/l	-0.04
77) Perylene-d12	31.76	264	856250	40.00	ul/l	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	0.00	112	0d	0.00	ul/l	
Spiked Amount	200.000	Range 25 - 121	Recovery	=	0.00%#	
6) Phenol-d5	0.00	99	0d	0.00	ul/l	
Spiked Amount	200.000	Range 24 - 113	Recovery	=	0.00%#	
20) Nitrobenzene-d5	11.54	82	164878	41.80	ul/l	-0.04
Spiked Amount	100.000	Range 23 - 120	Recovery	=	41.80%	
38) 2-Fluorobiphenyl	16.10	172	241495	52.19	ul/l	-0.04
Spiked Amount	100.000	Range 30 - 115	Recovery	=	52.19%	
54) 2,4,6-Tribromophenol	0.00	330	0	0.00	ul/l	
Spiked Amount	200.000	Range 19 - 122	Recovery	=	0.00%#	
71) Terphenyl-d14	25.67	244	252616	61.44	ul/l	-0.04
Spiked Amount	100.000	Range 18 - 137	Recovery	=	61.44%	

Target Compounds

29) Naphthalene	13.32	128	3043327	78.72	ul/l	Qvalue 100

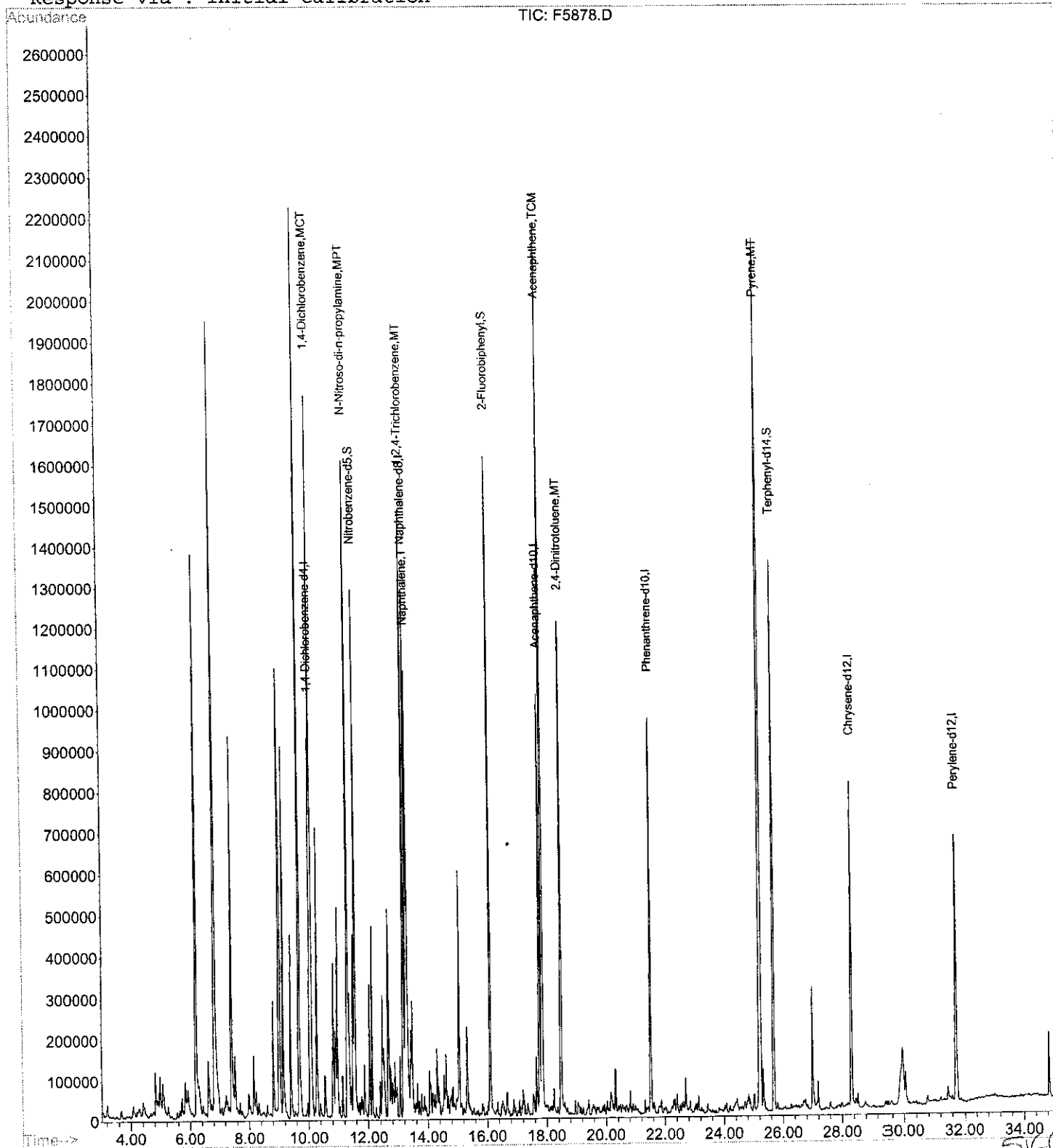
Quantitation Report

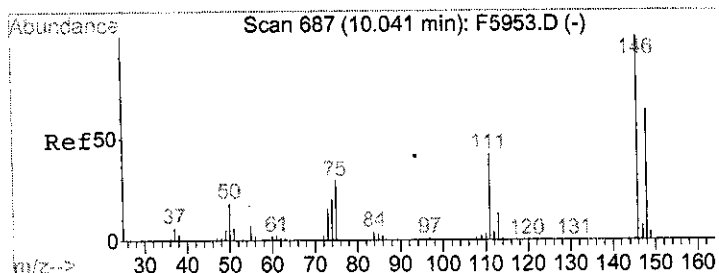
Data File : E:\F\DATA\AUG06\F0801\F5878.D
Acq On : 1 Aug 2006 11:32
Sample : 0607120
Misc : WATER 2903 07/28/06 MS A
MS Integration Params: rteint.p
Quant Time: Aug 8 11:44 2006

Vial: 4
Operator: JOSE
Inst : HP5971AF
Multiplr: 1.00

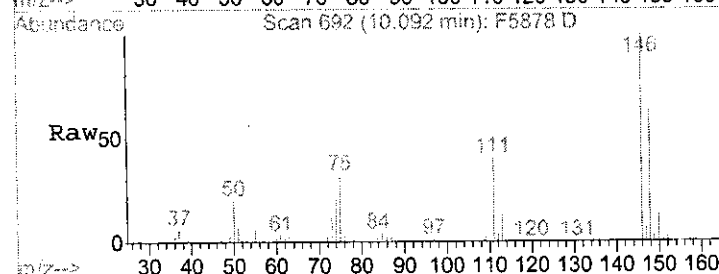
Quant Results File: SVF80725.RES

Method : E:\F\METHODS\SVF80725.M (RTE Integrator)
Title : SEMI-VOA 8270 CALIBRATION HP5971AF
Last Update : Wed Aug 02 11:13:45 2006
Response via : Initial Calibration

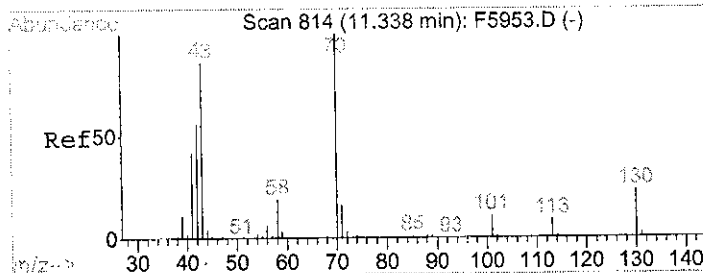
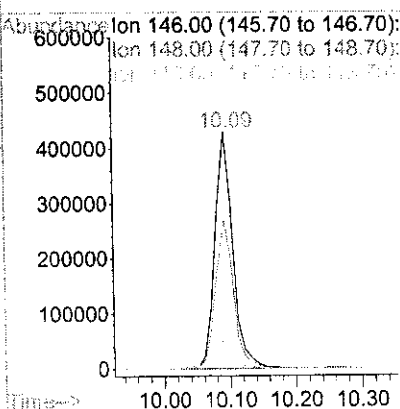
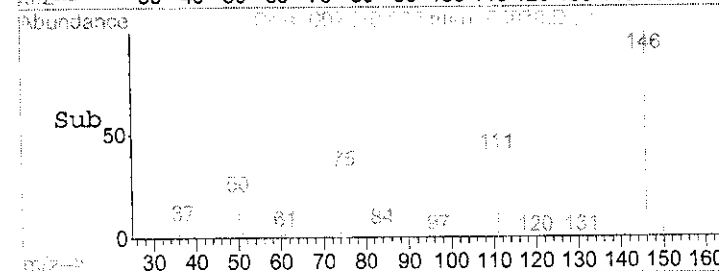




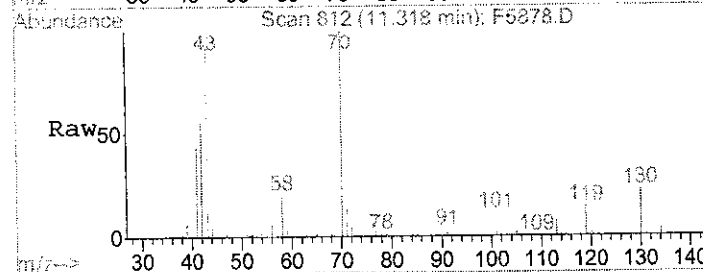
#11
 1,4-Dichlorobenzene
 Concen: 71.01 ul/l
 RT: 10.09 min Scan# 692
 Delta R.T. -0.02 min
 Lab File: F5878.D
 Acq: 1 Aug 2006 11:32



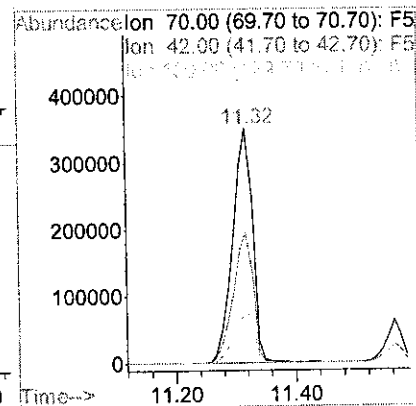
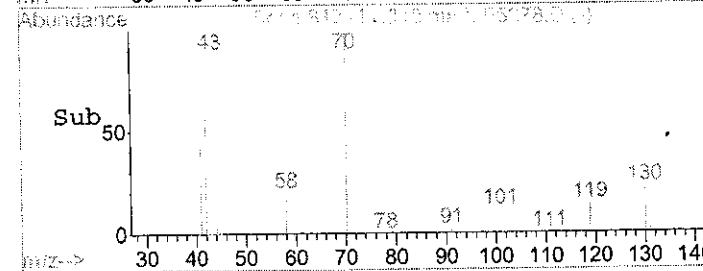
Tgt Ion: 146 Resp: 803189
 Ion Ratio Lower Upper
 146 100
 148 63.4 43.8 83.8
 113 13.7 0.0 32.7

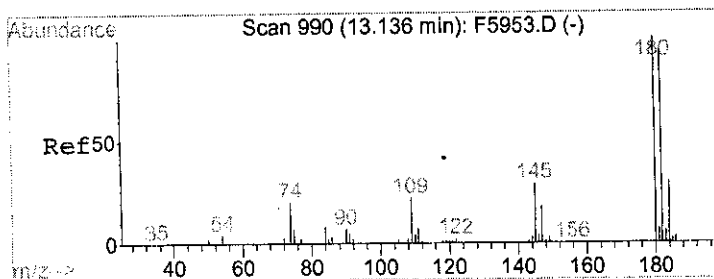


#17
 N-Nitroso-di-n-propylamine
 Concen: 71.39 ul/l
 RT: 11.32 min Scan# 812
 Delta R.T. -0.04 min
 Lab File: F5878.D
 Acq: 1 Aug 2006 11:32



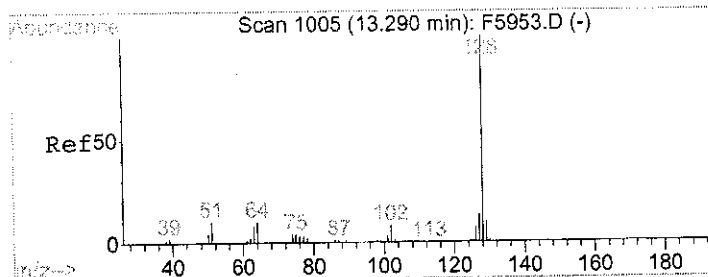
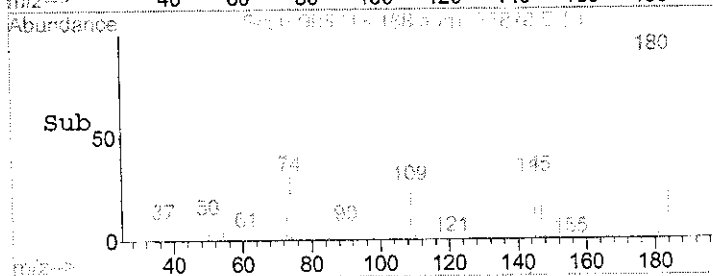
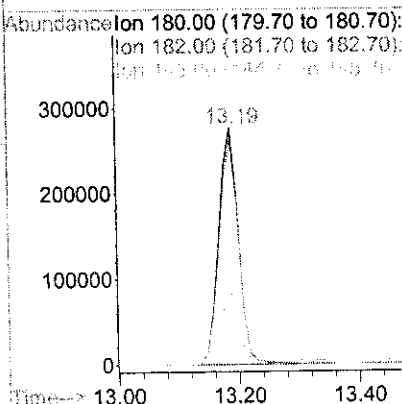
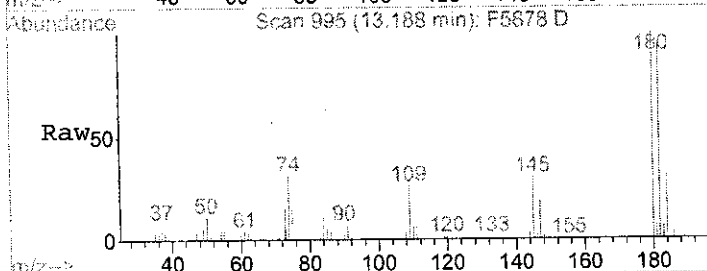
Tgt Ion: 70 Resp: 808822
 Ion Ratio Lower Upper
 70 100
 42 56.1 35.7 75.7
 130 21.8 2.7 42.7





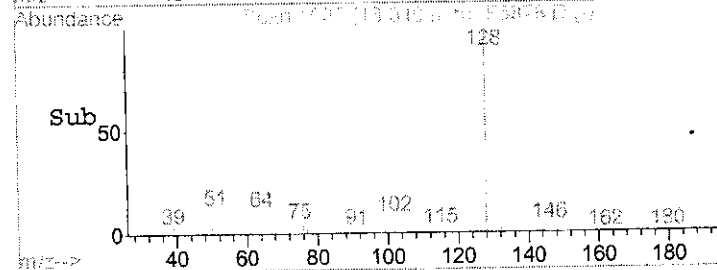
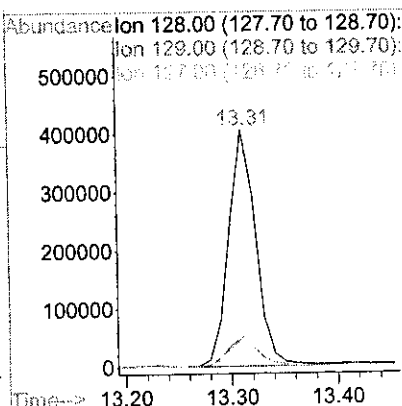
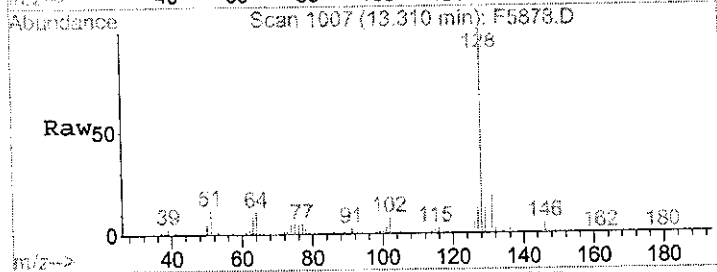
#28
1,2,4-Trichlorobenzene
Concen: 72.34 ul/l
RT: 13.19 min Scan# 995
Delta R.T. -0.01 min
Lab File: F5878.D
Acq: 1 Aug 2006 11:32

Tgt Ion:180 Resp: 617888
Ion Ratio Lower Upper
180 100
182 95.7 75.8 115.8
145 30.3 9.6 49.6

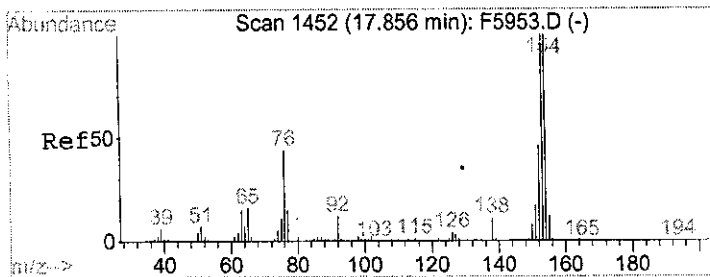


#29
Naphthalene
Concen: 25.25 ul/l
RT: 13.31 min Scan# 1007
Delta R.T. -0.03 min
Lab File: F5878.D
Acq: 1 Aug 2006 11:32

Tgt Ion:128 Resp: 719084
Ion Ratio Lower Upper
128 100
129 13.8 0.0 30.8
127 12.6 0.0 32.6



SV-92



#44

Acenaphthene

Concen: 78.04 ul/l

RT: 17.88 min Scan# 1454

Delta R.T. -0.02 min

Lab File: F5878.D

Acq: 1 Aug 2006 11:32

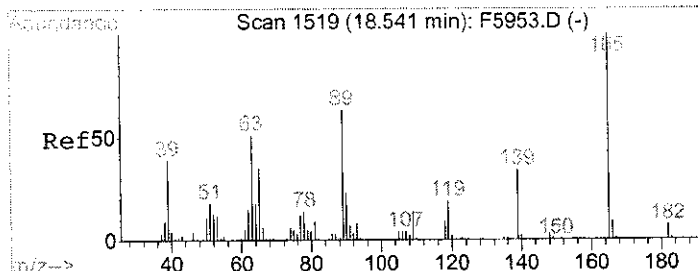
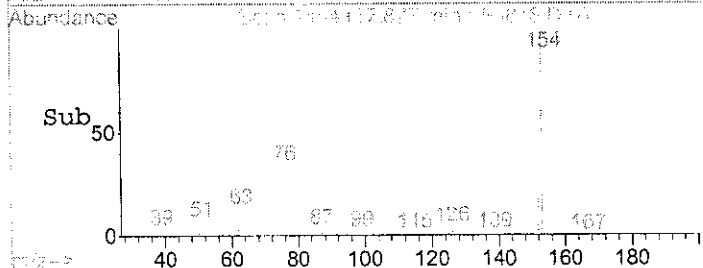
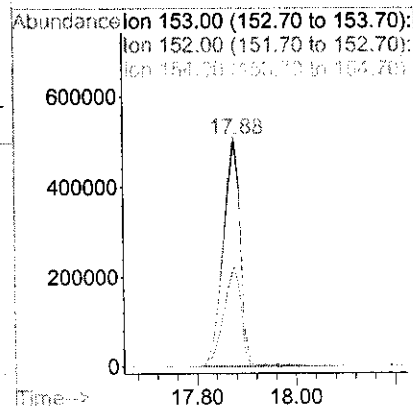
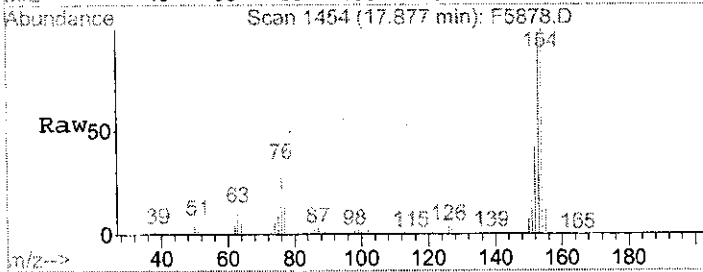
Tgt Ion:153 Resp: 1230048

Ion Ratio Lower Upper

153 100

152 44.8 26.5 66.5

154 105.4 80.4 120.4



#49

2,4-Dinitrotoluene

Concen: 95.41 ul/l

RT: 18.52 min Scan# 1517

Delta R.T. -0.02 min

Lab File: F5878.D

Acq: 1 Aug 2006 11:32

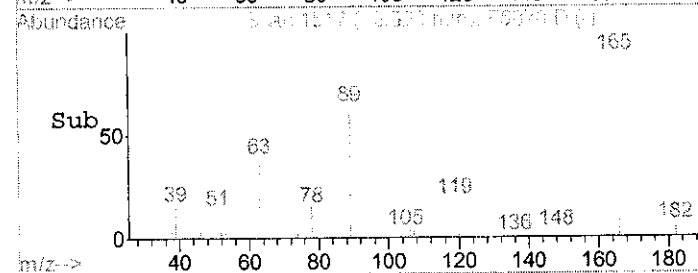
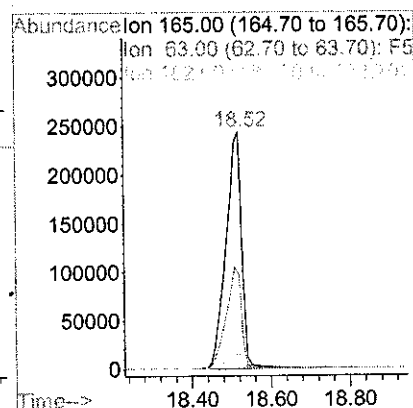
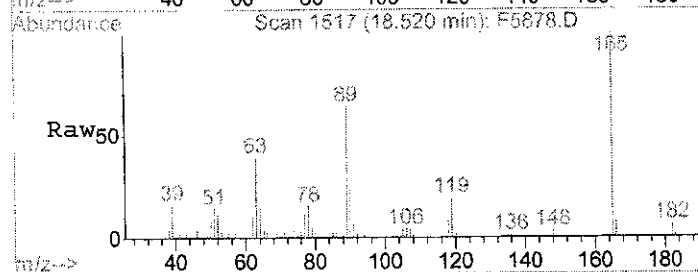
Tgt Ion:165 Resp: 678210

Ion Ratio Lower Upper

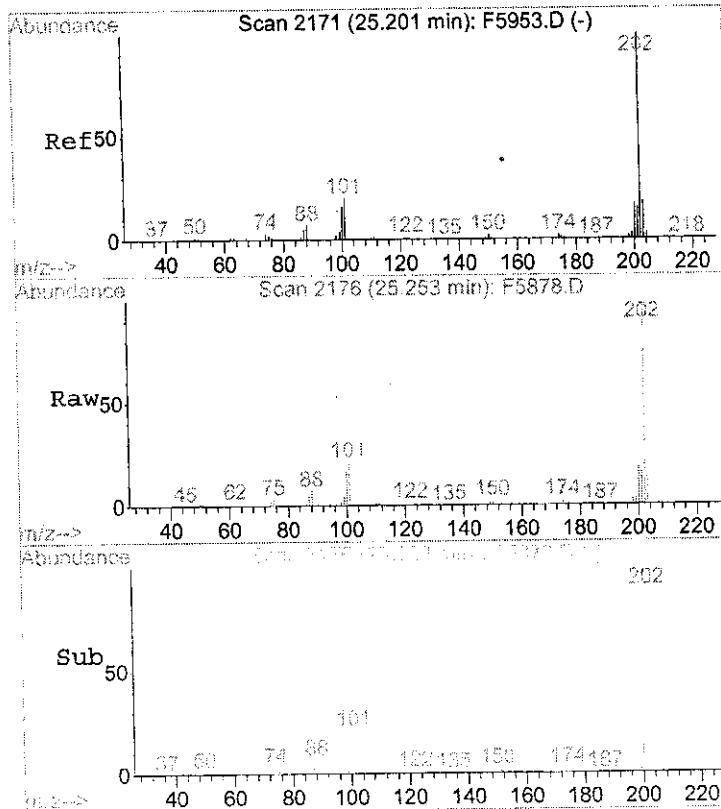
165 100

63 41.9 33.8 73.8

182 6.2 0.0 26.6

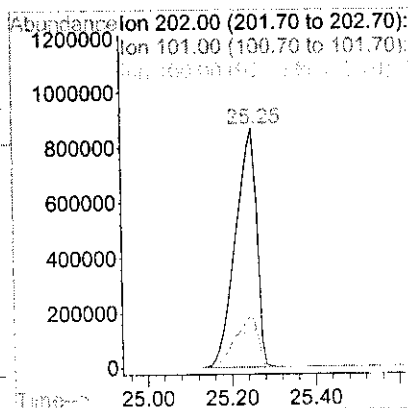


SV-93



#70
 Pyrene
 Concen: 123.51 ul/l
 RT: 25.25 min Scan# 2176
 Delta R.T. 0.01 min
 Lab File: F5878.D
 Acq: 1 Aug 2006 11:32

Tgt Ion	Ratio	Lower	Upper
202	100		
101	22.6	4.1	44.1
100	18.4	0.0	39.4



SV-94

Data File : E:\F\DATA\AUG06\F0801\F5878.D
 Acq On : 1 Aug 2006 11:32
 Sample : 0607120
 Misc : WATER 2903 07/28/06 MS A
 MS Integration Params: rteint.p
 Quant Time: Aug 8 11:44 2006

Vial: 4
 Operator: JOSE
 Inst : HP5971AF
 Multiplr: 1.00

Quant Results File: SVF80725.RES

Quant Method : E:\F\METHODS\SVF80725.M (RTE Integrator)
 Title : SEMI-VOA 8270 CALIBRATION HP5971AF
 Last Update : Tue Aug 01 09:58:11 2006
 Response via : Initial Calibration
 DataAcq Meth : SVF80725

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.05	152	296569	40.00	ul/l	0.00
19) Naphthalene-d8	13.27	136	1089236	40.00	ul/l	0.00
34) Acenaphthene-d10	17.78	164	571386	40.00	ul/l	-0.02
55) Phenanthrene-d10	21.53	188	805181	40.00	ul/l	-0.02
68) Chrysene-d12	28.34	240	685543	40.00	ul/l	-0.04
77) Perylene-d12	31.74	264	587024	40.00	ul/l	-0.04

System Monitoring Compounds

4) 2-Fluorophenol	7.08	112	763	0.06	ul/l	-0.10
Spiked Amount	200.000	Range	21 - 100	Recovery	=	0.03%#
6) Phenol-d5	9.54	99	113	0.01	ul/l	-0.06
Spiked Amount	200.000	Range	10 - 94	Recovery	=	0.01%#
20) Nitrobenzene-d5	11.56	82	861620	59.31	ul/l	-0.02
Spiked Amount	100.000	Range	35 - 114	Recovery	=	59.31%
38) 2-Fluorobiphenyl	16.11	172	1130968	60.22	ul/l	-0.03
Spiked Amount	100.000	Range	43 - 116	Recovery	=	60.22%
54) 2,4,6-Tribromophenol	0.00	330	0	0.00	ul/l	
Spiked Amount	200.000	Range	10 - 123	Recovery	=	0.00%#
71) Terphenyl-d14	25.70	244	1086794	67.92	ul/l	0.00
Spiked Amount	100.000	Range	33 - 141	Recovery	=	67.92%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) 1,4-Dichlorobenzene	10.09	146	803189	71.01	ul/l	99
17) N-Nitroso-di-n-propylamine	11.32	70	808822	71.39	ul/l	99
28) 1,2,4-Trichlorobenzene	13.19	180	617888	72.34	ul/l	100
29) Naphthalene	13.31	128	719084	25.25	ul/l	96
44) Acenaphthene	17.88	153	1230048	78.04	ul/l	96
49) 2,4-Dinitrotoluene	18.52	165	678210	95.41	ul/l	85
70) Pyrene	25.25	202	3020614	123.51	ul/l	97

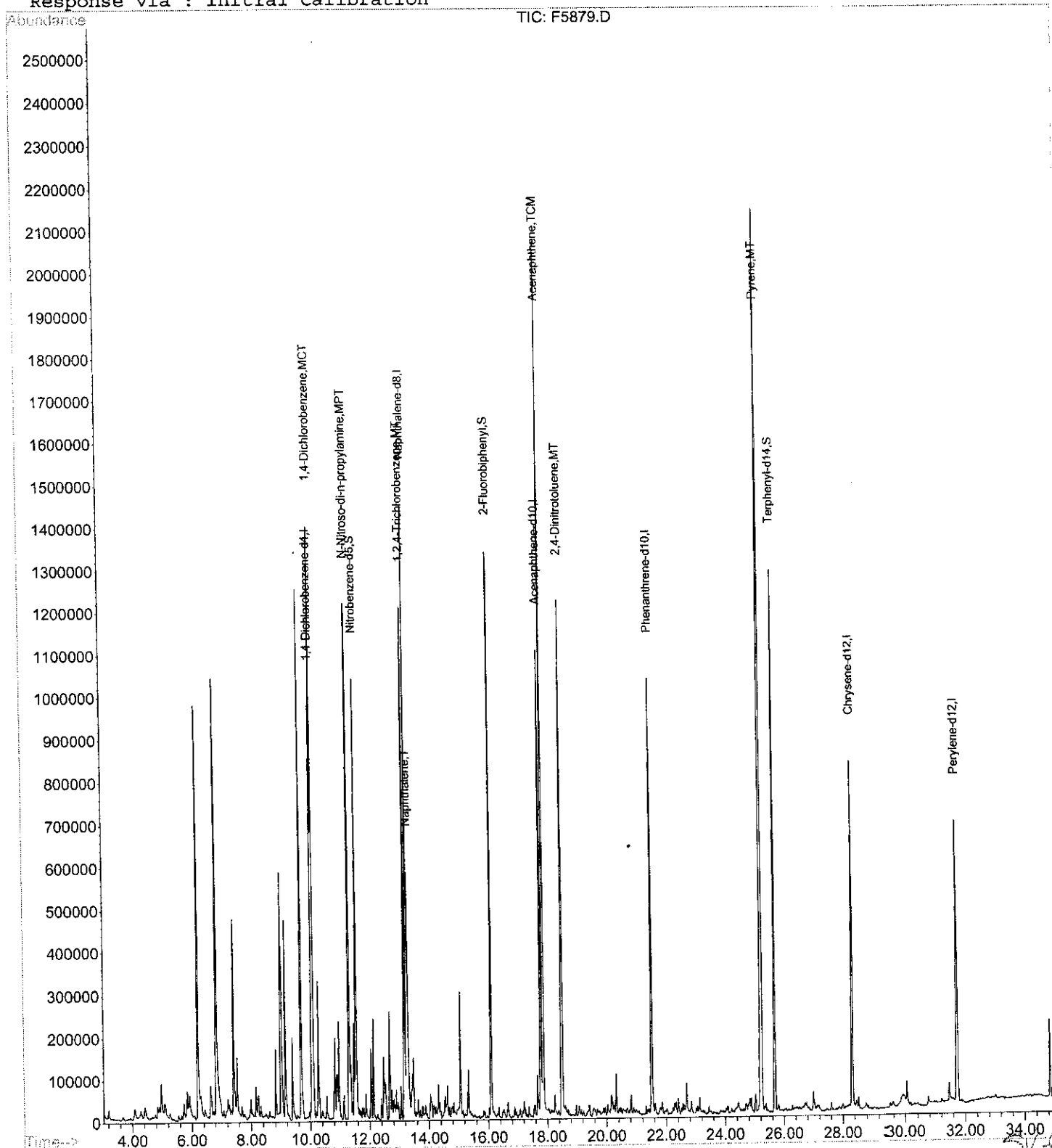
Quantitation Report

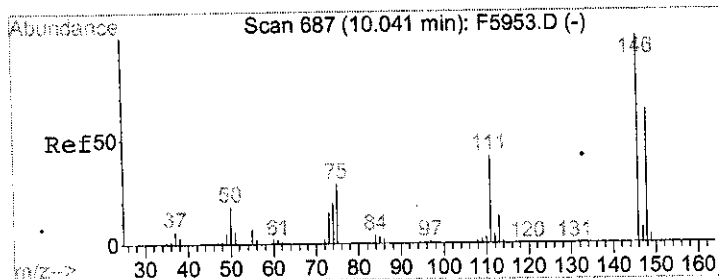
Data File : E:\F\DATA\AUG06\F0801\F5879.D
 Acq On : 1 Aug 2006 12:17
 Sample : 0607121
 Misc : WATER 2903 07/28/06 MSD A
 MS Integration Params: rteint.p
 Quant Time: Aug 8 11:44 2006

Vial: 5
 Operator: JOSE
 Inst : HP5971AF
 Multiplr: 1.00

Quant Results File: SVF80725.RES

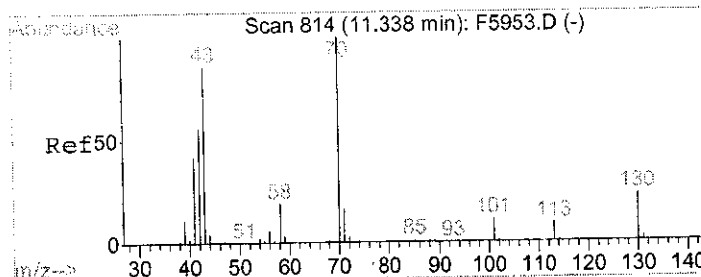
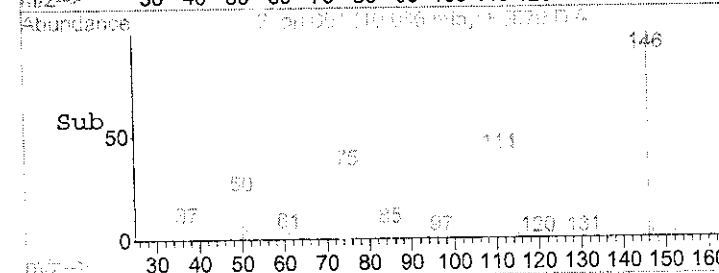
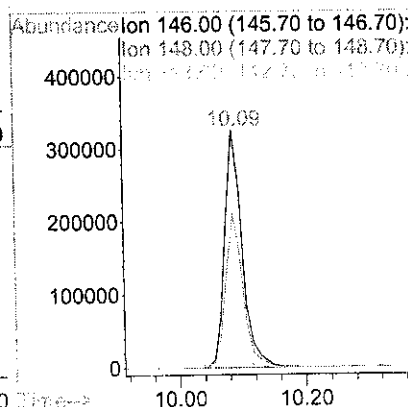
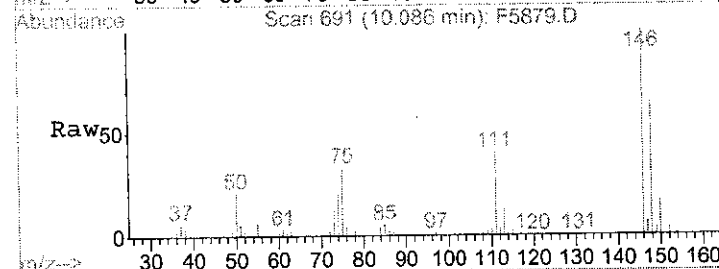
Method : E:\F\METHODS\SVF80725.M (RTE Integrator)
 Title : SEMI-VOA 8270 CALIBRATION HP5971AF
 Last Update : Wed Aug 02 11:13:45 2006
 Response via : Initial Calibration





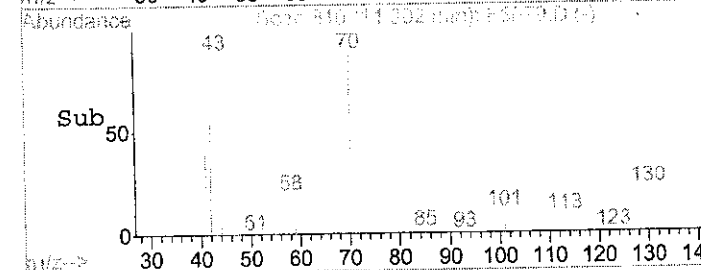
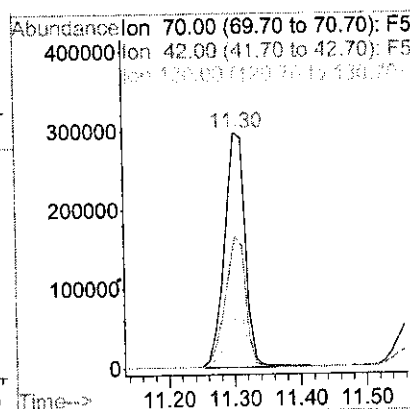
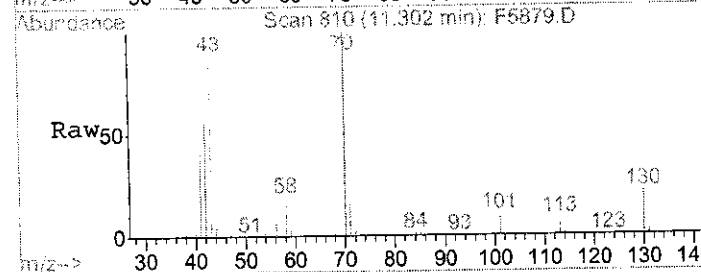
#11
 1,4-Dichlorobenzene
 Concen: 50.60 ul/l
 RT: 10.09 min Scan# 691
 Delta R.T. -0.03 min
 Lab File: F5879.D
 Acq: 1 Aug 2006 12:17

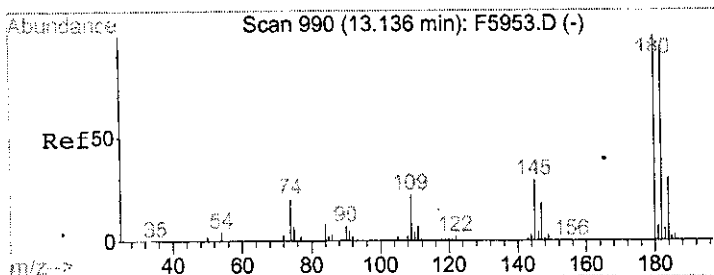
Tgt Ion: 146 Resp: 619831
 Ion Ratio Lower Upper
 146 100
 148 64.6 43.8 83.8
 113 14.1 0.0 32.7



#17
 N-Nitroso-di-n-propylamine
 Concen: 52.60 ul/l
 RT: 11.30 min Scan# 810
 Delta R.T. -0.06 min
 Lab File: F5879.D
 Acq: 1 Aug 2006 12:17

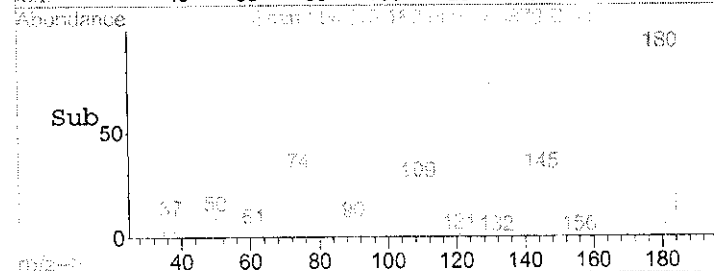
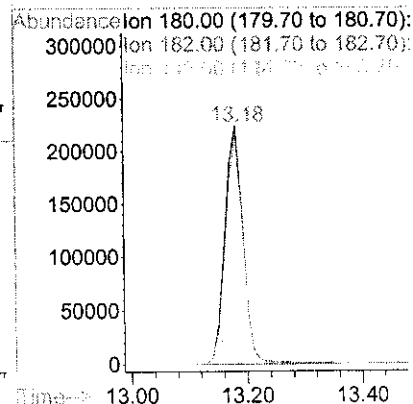
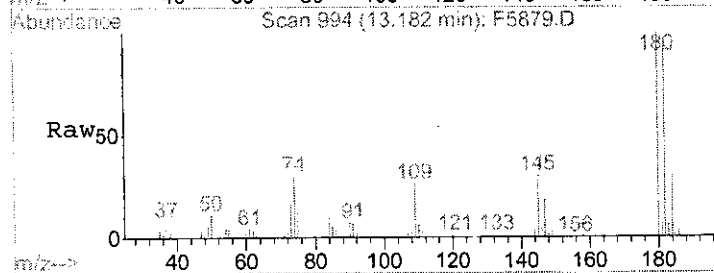
Tgt Ion: 70 Resp: 645436
 Ion Ratio Lower Upper
 70 100
 42 55.3 35.7 75.7
 130 21.6 2.7 42.7





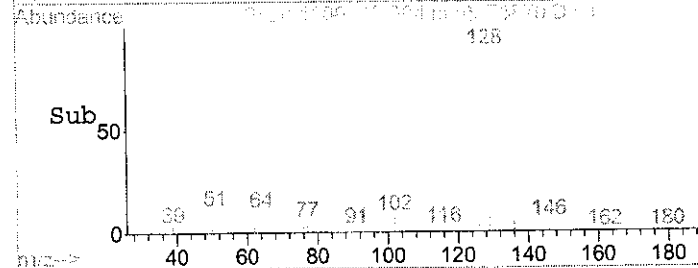
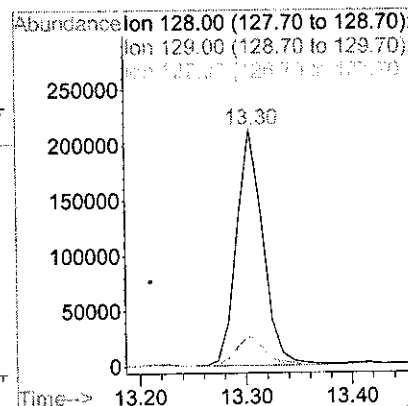
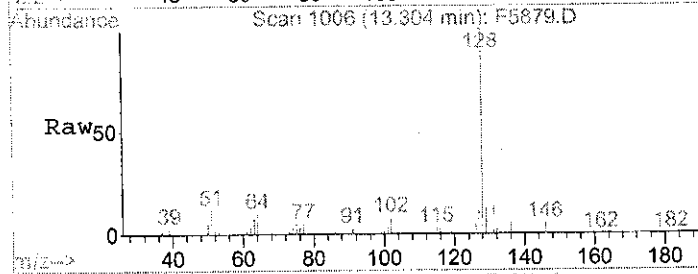
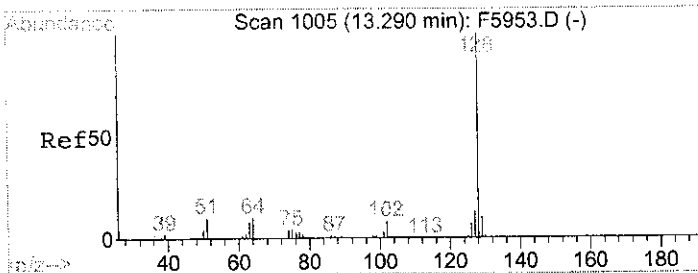
#28
 1,2,4-Trichlorobenzene
 Concen: 53.07 ul/l
 RT: 13.18 min Scan# 994
 Delta R.T. -0.02 min
 Lab File: F5879.D
 Acq: 1 Aug 2006 12:17

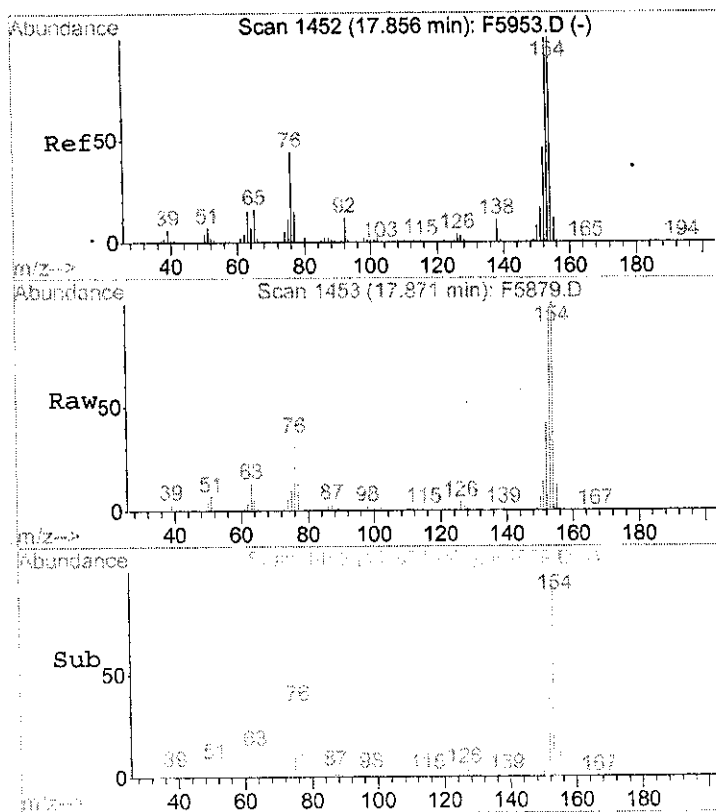
Tgt Ion:180 Resp: 481175
 Ion Ratio Lower Upper
 180 100
 182 95.3 75.8 115.8
 145 30.1 9.6 49.6



#29
 Naphthalene
 Concen: 12.19 ul/l
 RT: 13.30 min Scan# 1006
 Delta R.T. -0.04 min
 Lab File: F5879.D
 Acq: 1 Aug 2006 12:17

Tgt Ion:128 Resp: 368593
 Ion Ratio Lower Upper
 128 100
 129 14.1 0.0 30.8
 127 13.1 0.0 32.6





#44

Acenaphthene

Concen: 67.69 ul/l

RT: 17.87 min Scan# 1453

Delta R.T. -0.03 min

Lab File: F5879.D

Acq: 1 Aug 2006 12:17

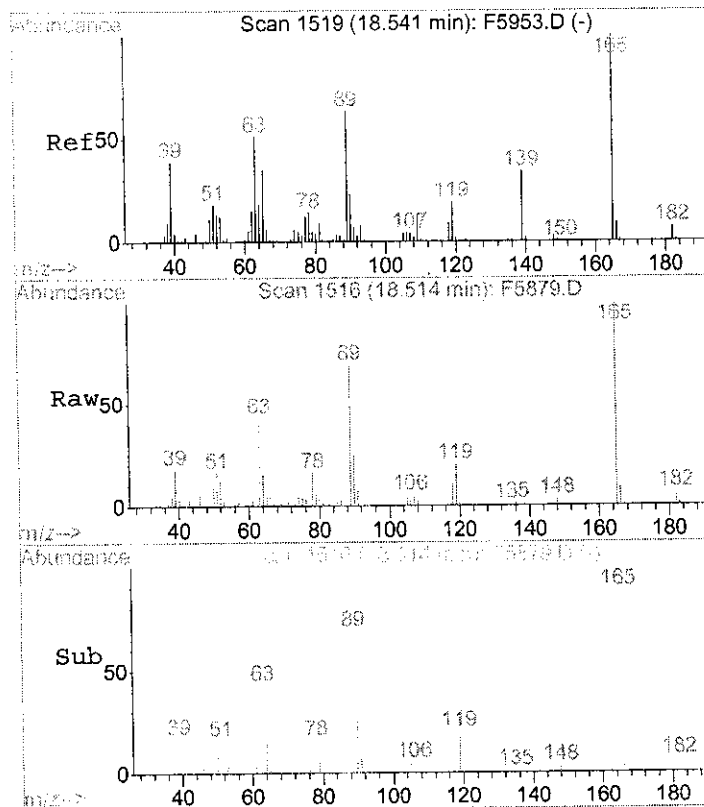
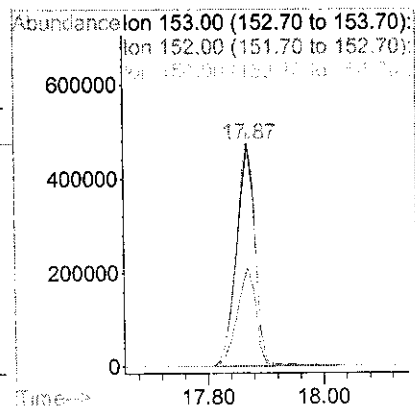
Tgt Ion:153 Resp: 1064999

Ion Ratio Lower Upper

153 100

152 45.3 26.5 66.5

154 106.6 80.4 120.4



#49

2,4-Dinitrotoluene

Concen: 90.74 ul/l

RT: 18.51 min Scan# 1516

Delta R.T. -0.03 min

Lab File: F5879.D

Acq: 1 Aug 2006 12:17

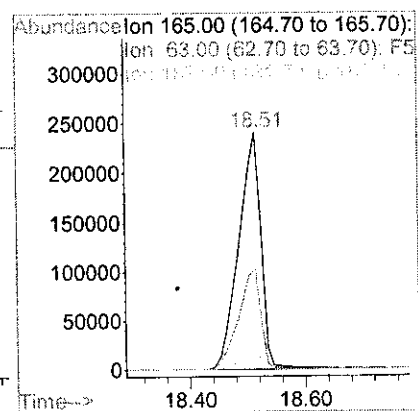
Tgt Ion:165 Resp: 643873

Ion Ratio Lower Upper

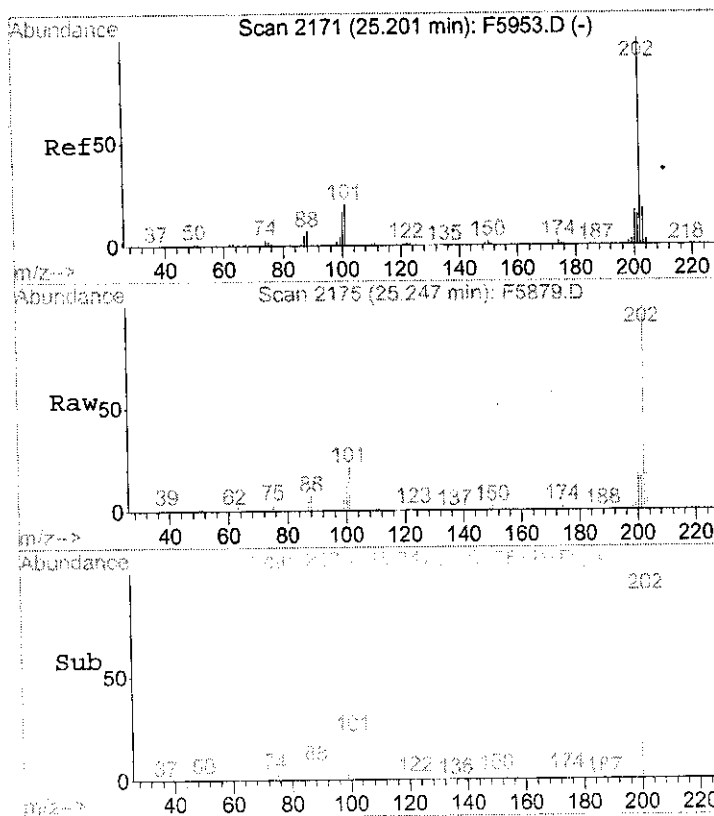
165 100

63 43.0 33.8 73.8

182 6.3 0.0 26.6



SV-99



#70

Pyrene

Concen: 116.80 ul/l

RT: 25.25 min Scan# 2175

Delta R.T. 0.00 min

Lab File: F5879.D

Acq: 1 Aug 2006 12:17

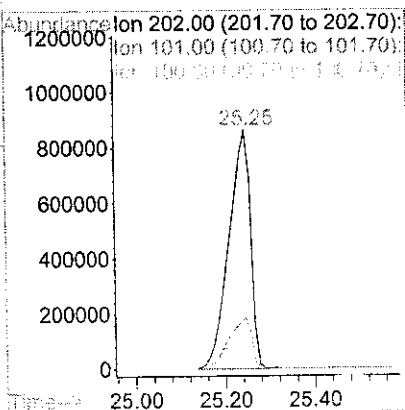
Tgt Ion: 202 Resp: 2893579

Ion Ratio Lower Upper

202 100

101 22.8 4.1 44.1

100 18.7 0.0 39.4



SV-100

Data File : E:\F\DATA\AUG06\F0801\F5879.D
 Acq On : 1 Aug 2006 12:17
 Sample : 0607121
 Misc : WATER 2903 07/28/06 MSD A
 MS Integration Params: rteint.p
 Quant Time: Aug 8 11:44 2006

Vial: 5
 Operator: JOSE
 Inst : HP5971AF
 Multiplr: 1.00

Quant Results File: SVF80725.RES

Quant Method : E:\F\METHODS\SVF80725.M (RTE Integrator)
 Title : SEMI-VOA 8270 CALIBRATION HP5971AF
 Last Update : Tue Aug 01 09:58:11 2006
 Response via : Initial Calibration
 DataAcq Meth : SVF80725

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.05	152	321186	40.00	ul/l	-0.02
19) Naphthalene-d8	13.26	136	1156170	40.00	ul/l	-0.02
34) Acenaphthene-d10	17.78	164	570339	40.00	ul/l	-0.03
55) Phenanthrene-d10	21.53	188	822705	40.00	ul/l	-0.03
68) Chrysene-d12	28.33	240	694431	40.00	ul/l	-0.05
77) Perylene-d12	31.74	264	583677	40.00	ul/l	-0.04

System Monitoring Compounds

4) 2-Fluorophenol	7.08	112	101	0.01	ul/l	-0.10
Spiked Amount 200.000	Range 21 - 100		Recovery =	0.01%#		
6) Phenol-d5	9.69	99	348	0.02	ul/l	0.09
Spiked Amount 200.000	Range 10 - 94		Recovery =	0.01%#		
20) Nitrobenzene-d5	11.56	82	658871	42.73	ul/l	-0.03
Spiked Amount 100.000	Range 35 - 114		Recovery =	42.73%		
38) 2-Fluorobiphenyl	16.11	172	915242	48.82	ul/l	-0.03
Spiked Amount 100.000	Range 43 - 116		Recovery =	48.82%		
54) 2,4,6-Tribromophenol	0.00	330	0	0.00	ul/l	
Spiked Amount 200.000	Range 10 - 123		Recovery =	0.00%#		
71) Terphenyl-d14	25.70	244	1018008	62.80	ul/l	-0.02
Spiked Amount 100.000	Range 33 - 141		Recovery =	62.80%		

Target Compounds

						Qvalue
11) 1,4-Dichlorobenzene	10.09	146	619831	50.60	ul/l	99
17) N-Nitroso-di-n-propylamine	11.30	70	645436	52.60	ul/l	99
28) 1,2,4-Trichlorobenzene	13.18	180	481175	53.07	ul/l	99
29) Naphthalene	13.30	128	368593	12.19	ul/l	95
44) Acenaphthene	17.87	153	1064999	67.69	ul/l	95
49) 2,4-Dinitrotoluene	18.51	165	643873	90.74	ul/l	86
70) Pyrene	25.25	202	2893579	116.80	ul/l	98

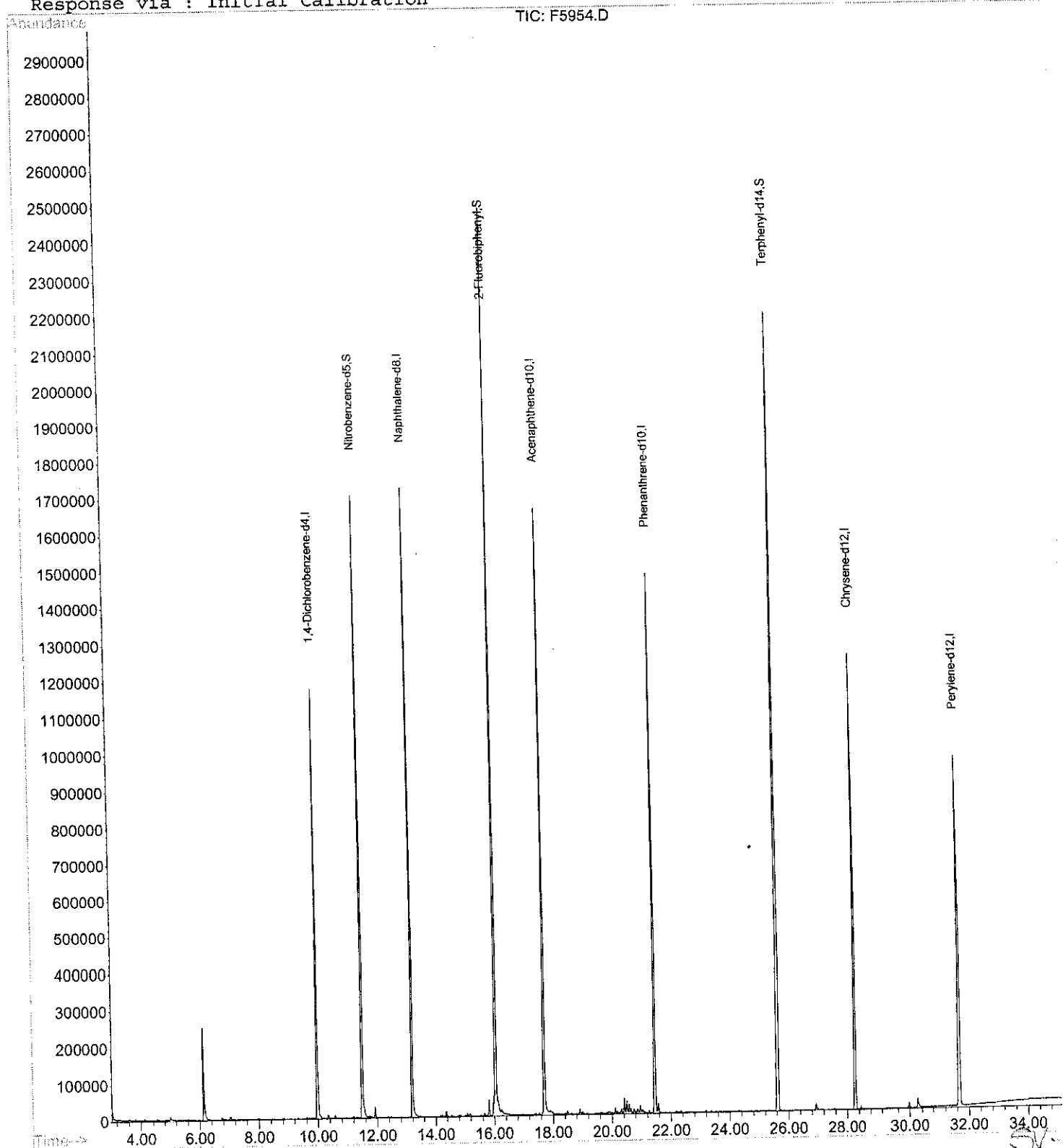
Quantitation Report

Data File : E:\F\DATA\AUG06\F0808\F5954.D
 Acq On : 8 Aug 2006 17:26
 Sample : 0607123
 Misc : WATER 2903 07/28/06 FIELD BLANK
 MS Integration Params: rteint.p
 Quant Time: Aug 9 8:22 2006

Vial: 1
 Operator: JOSE
 Inst : HP5971AF
 Multiplr: 1.00

Quant Results File: SVF80725.RES

Method : E:\F\METHODS\SVF80725.M (RTE Integrator)
 Title : SEMI-VOA 8270 CALIBRATION HP5971AF
 Last Update : Wed Aug 02 11:13:45 2006
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : E:\F\DATA\AUG06\F0808\F5954.D
 Acq On : 8 Aug 2006 17:26
 Sample : 0607123
 Misc : WATER 2903 07/28/06 FIELDBLANK
 MS Integration Params: rteint.p
 Quant Time: Aug 9 8:22 2006

Vial: 1
 Operator: JOSE
 Inst : HP5971AF
 Multiplr: 1.00

Quant Results File: SVF80725.RES

Quant Method : E:\F\METHODS\SVF80725.M (RTE Integrator)
 Title : SEMI-VOA 8270 CALIBRATION HP5971AF
 Last Update : Tue Aug 08 13:01:22 2006
 Response via : Initial Calibration
 DataAcq Meth : SVF80725

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.98	152	411672	40.00	ul/l	-0.02
19) Naphthalene-d8	13.19	136	1628620	40.00	ul/l	-0.04
34) Acenaphthene-d10	17.71	164	833034	40.00	ul/l	-0.05
55) Phenanthrene-d10	21.47	188	1170962	40.00	ul/l	-0.04
68) Chrysene-d12	28.28	240	1015104	40.00	ul/l	-0.06
77) Perylene-d12	31.69	264	939726	40.00	ul/l	-0.07
System Monitoring Compounds						
4) 2-Fluorophenol	0.00	112	0	0.00	ul/l	
Spiked Amount 200.000	Range 21 - 100		Recovery =	0.00%#		
6) Phenol-d5	9.98	99	2876	0.13	ul/l	0.35
Spiked Amount 200.000	Range 10 - 94		Recovery =	0.07%#		
20) Nitrobenzene-d5	11.50	82	1394851	64.22	ul/l	-0.03
Spiked Amount 100.000	Range 35 - 114		Recovery =	64.22%		
38) 2-Fluorobiphenyl	16.06	172	1864220	68.08	ul/l	-0.03
Spiked Amount 100.000	Range 43 - 116		Recovery =	68.08%		
54) 2,4,6-Tribromophenol	0.00	330	0	0.00	ul/l	
Spiked Amount 200.000	Range 10 - 123		Recovery =	0.00%#		
71) Terphenyl-d14	25.65	244	2372544	100.13	ul/l	-0.01
Spiked Amount 100.000	Range 33 - 141		Recovery =	100.13%		

Target Compounds Qvalue

SV-103

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____
 Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____
 Instrument ID: HP5971AF Calibration Date(s): 7/25/2006 7/25/2006
 Calibration Times: 12:34 15:36

LAB FILE ID: RRF20 = F5829.D RRF50 = F5827.D
 RRF80 = F5830.D RRF120 = F5831.D RRF160 = F5828.D

COMPOUND	RRF20	RRF50	RRF80	RRF120	RRF160	RRF	% RSD
Pyridine	1.513	1.610	1.576	1.431	1.482	1.522	4.7
N-Nitrosodimethylamine	1.314	1.398	1.246	1.313	1.378	1.330	4.5
Aniline	2.948	3.113	3.074	3.124	3.240	3.100	3.4
Phenol	* 2.612	2.698	2.575	2.230	2.349	2.493	7.8 *
bis(2-Chloroethyl)ether	2.286	2.240	2.170	1.878	1.926	2.100	8.9
2-Chlorophenol	1.604	1.650	1.629	1.544	1.575	1.600	2.6
1,3-Dichlorobenzene	1.574	1.583	1.546	1.415	1.411	1.506	5.7
1,4-Dichlorobenzene	* 1.670	1.612	1.556	1.372	1.417	1.525	8.3 *
Benzyl alcohol	1.633	1.648	1.617	1.641	1.715	1.651	2.3
1,2-Dichlorobenzene	1.539	1.531	1.483	1.340	1.368	1.452	6.4
2-Methylphenol	1.589	1.615	1.571	1.578	1.615	1.594	1.3
bis(2-chloroisopropyl)ether	4.687	4.178	4.021	3.580	3.771	4.047	10.5
3&4-Methylphenol	1.636	1.715	1.678	1.631	1.700	1.672	2.3
N-Nitroso-di-n-propylamine	* 1.620	1.585	1.505	1.453	1.477	1.528	4.7 *
Hexachloroethane	0.773	0.766	0.750	0.698	0.693	0.736	5.2
Nitrobenzene	0.580	0.561	0.542	0.510	0.534	0.545	4.9
Isophorone	1.131	1.166	1.078	1.058	1.040	1.094	4.8
2-Nitrophenol	* 0.234	0.257	0.247	0.266	0.274	0.256	6.2 *
2,4-Dimethylphenol	0.414	0.425	0.404	0.397	0.408	0.410	2.6
Benzoic Acid	0.109	0.185	0.175	0.195	0.211	0.175	22.5
bis(2-Chloroethoxy)methane	0.655	0.684	0.647	0.633	0.641	0.652	3.0
2,4-Dichlorophenol	* 0.283	0.320	0.309	0.295	0.307	0.303	4.7 *
1,2,4-Trichlorobenzene	0.309	0.324	0.319	0.304	0.313	0.314	2.6
Naphthalene	1.124	1.108	1.062	0.953	0.982	1.046	7.2
4-Chloroaniline	0.465	0.528	0.498	0.492	0.516	0.500	4.9
Hexachlorobutadiene	* 0.161	0.163	0.153	0.134	0.139	0.150	8.5 *
4-Chloro-3-methylphenol	* 0.357	0.383	0.370	0.359	0.379	0.370	3.2 *
2-Methylnaphthalene	0.625	0.660	0.626	0.573	0.600	0.617	5.2
Hexachlorocyclopentadiene	* 0.097	0.253	0.237	0.260	0.282	0.226	32.6 *
2,4,6-Trichlorophenol	* 0.422	0.462	0.453	0.414	0.425	0.435	4.8 *
2,4,5-Trichlorophenol	0.441	0.490	0.489	0.432	0.423	0.455	7.1
2-Chloronaphthalene	1.267	1.300	1.295	1.172	1.178	1.242	5.1
2-Nitroaniline	0.508	0.648	0.597	0.592	0.592	0.587	8.5
Dimethylphthalate	1.529	1.409	1.332	1.326	1.348	1.389	6.1
Acenaphthylene	2.042	1.922	1.861	1.718	1.724	1.853	7.4
3-Nitroaniline	0.429	0.480	0.448	0.434	0.433	0.445	4.6
Acenaphthene	* 1.150	1.173	1.141	1.018	1.035	1.103	6.5 *
2,4-Dinitrophenol	* 0.138	0.239	0.224	0.259	0.279	0.228	23.9 *
4-Nitrophenol	* 0.116	0.187	0.168	0.173	0.173	0.163	16.9 *

* Compounds with required minimum RRF and maximum %RSD values.

All other compounds must meet a minimum RRF of 0.010.

SV-104

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____
 Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____
 Instrument ID: HP5971AF Calibration Date(s): 7/25/2006 7/25/2006
 Calibration Times: 12:34 15:36

LAB FILE ID: RRF20 = F5829.D RRF50 = F5827.D
 RRF80 = F5830.D RRF120 = F5831.D RRF160 = F5828.D

COMPOUND	RRF20	RRF50	RRF80	RRF120	RRF160	RRF	% RSD
Dibenzofuran	1.657	1.739	1.718	1.589	1.611	1.663	3.9
2,6-Dinitrotoluene	0.368	0.417	0.395	0.407	0.414	0.400	5.0
2,4-Dinitrotoluene	0.455	0.528	0.510	0.500	0.496	0.498	5.4
Diethylphthalate	1.591	1.394	1.196	0.837	0.878	1.179	27.6
4-Chlorophenyl-phenylether	0.569	0.650	0.576	0.385	0.378	0.512	24.0
Fluorene	1.398	1.315	1.169	0.973	0.988	1.169	16.3
4-Nitroaniline	0.368	0.437	0.428	0.336	0.323	0.378	13.8
4,6-Dinitro-2-methylphenol	0.182	0.243	0.227	0.193	0.207	0.210	11.8
Carbazole	0.991	1.046	1.139	1.152	1.211	1.108	7.9
n-Nitrosodiphenylamine	* 0.749	0.812	0.811	0.641	0.648	0.732	11.5 *
1,2-Diphenylhydrazine	1.513	1.663	1.631	1.256	1.245	1.462	13.7
Azobenzene	1.513	1.663	1.631	1.256	1.245	1.462	13.7
4-Bromophenyl-phenylether	0.237	0.272	0.282	0.265	0.278	0.267	6.7
Hexachlorobenzene	0.305	0.333	0.344	0.321	0.339	0.329	4.8
Pentachlorophenol	* 0.116	0.182	0.200	0.209	0.223	0.186	22.5 *
Phenanthrene	1.124	1.258	1.340	1.269	1.311	1.260	6.6
Anthracene	1.100	1.200	1.298	1.215	1.237	1.210	6.0
Di-n-butylphthalate	1.611	1.729	1.866	1.718	1.767	1.738	5.3
Fluoranthene	* 1.047	1.194	1.289	1.238	1.279	1.209	8.1 *
Benzidine	0.615	0.821	0.823	1.030	1.080	0.874	21.4
Pyrene	1.319	1.309	1.388	1.556	1.562	1.427	8.7
Butylbenzylphthalate	0.877	0.881	0.900	0.901	0.832	0.878	3.2
3,3'-Dichlorobenzidine	0.525	0.580	0.563	0.544	0.535	0.549	4.0
Benzo[a]anthracene	1.262	1.311	1.317	1.455	1.437	1.356	6.2
bis(2-Ethylhexyl)phthalate	1.233	1.141	1.120	1.113	1.045	1.130	6.0
Chrysene	1.263	1.228	1.260	1.293	1.190	1.247	3.1
Di-n-octylphthalate	* 2.196	2.346	2.266	1.877	1.899	2.117	10.2 *
Benzo[b]fluoranthene	1.315	1.677	1.573	1.504	1.398	1.493	9.5
Benzo[k]fluoranthene	1.211	1.212	1.374	1.199	1.131	1.226	7.3
Benzo[a]pyrene	1.161	1.269	1.343	1.270	1.284	1.266	5.2
Indeno[1,2,3-cd]pyrene	1.307	1.458	1.458	1.346	1.399	1.393	4.8
Dibenz[a,h]anthracene	1.080	1.307	1.280	1.170	1.215	1.211	7.5
Benzo[g,h,i]perylene	1.083	1.122	1.195	1.180	1.254	1.167	5.7
2-Fluorophenol	1.464	1.580	1.597	1.609	1.680	1.586	4.9
Phenol-d5	2.141	2.231	2.197	2.117	2.181	2.173	2.1
Nitrobenzene-d5	0.549	0.553	0.538	0.510	0.517	0.533	3.6
2-Fluorobiphenyl	1.405	1.401	1.375	1.209	1.184	1.315	8.3
2,4,6-Tribromophenol	0.162	0.217	0.210	0.201	0.210	0.200	10.9
Terphenyl-d14	0.854	0.895	0.939	0.995	0.986	0.934	6.4

(1) Cannot be separated from Diphenylamine

* Compounds with required minimum RRF and maximum %RSD values.

All other compounds must meet a minimum RRF of 0.010.

SV-105

7B
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____
 Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____
 Instrument ID: HP5971AF Calibration Date: 7/31/2006 Time: 10:39
 Lab File ID: F5856.D Init. Calib. Date(s): 7/25/2006 7/25/2006
 Init. Calib. Times: 12:34 15:36

COMPOUND	RRF	RRF50	MIN RRF	% D	MAX % D
Pyridine	1.522	1.706		-12.0	
N-Nitrosodimethylamine	1.330	1.460		-9.8	
Aniline	3.100	3.007		3.0	
Phenol	2.493	2.741		-10.0	
bis(2-Chloroethyl)ether	2.100	2.174		-3.5	
2-Chlorophenol	1.600	1.567		2.1	
1,3-Dichlorobenzene	1.506	1.589		-5.6	
1,4-Dichlorobenzene	1.525	1.728		-13.3	
Benzyl alcohol	1.651	1.601		3.0	
1,2-Dichlorobenzene	1.452	1.680		-15.7	
2-Methylphenol	1.594	1.567		1.6	
bis(2-chloroisopropyl)ether	4.047	4.240		-4.8	
3&4-Methylphenol	1.672	1.677		-0.3	
N-Nitroso-di-n-propylamine	1.528	1.506	0.050	1.5	0.0
Hexachloroethane	0.736	0.784		-6.5	
Nitrobenzene	0.545	0.496		9.0	
Isophorone	1.094	0.966		11.7	
2-Nitrophenol	0.256	0.224		12.2	
2,4-Dimethylphenol	0.410	0.410		0.0	
Benzoic Acid	0.175	0.112		36.1	
bis(2-Chloroethoxy)methane	0.652	0.638		2.1	
2,4-Dichlorophenol	0.303	0.313		-3.6	
1,2,4-Trichlorobenzene	0.314	0.323		-3.0	
Naphthalene	1.046	1.147		-9.7	
4-Chloroaniline	0.500	0.491		1.7	
Hexachlorobutadiene	0.150	0.172		-14.7	
4-Chloro-3-methylphenol	0.370	0.391		-5.7	
2-Methylnaphthalene	0.617	0.701		-13.7	
Hexachlorocyclopentadiene	0.226	0.130	0.050	42.5	0.0
2,4,6-Trichlorophenol	0.435	0.423		2.7	
2,4,5-Trichlorophenol	0.455	0.461		-1.4	
2-Chloronaphthalene	1.242	1.260		-1.4	
2-Nitroaniline	0.587	0.500		14.9	
Dimethylphthalate	1.389	1.501		-8.1	
Acenaphthylene	1.853	2.090		-12.8	
3-Nitroaniline	0.445	0.481		-8.1	
Acenaphthene	1.103	1.201		-8.8	
2,4-Dinitrophenol	0.228	0.107	0.050	53.1	0.0
4-Nitrophenol	0.163	0.131	0.050	19.7	0.0

All other compounds must meet a minimum RRF of 0.010.

SV-106

7C
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____
 Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____
 Instrument ID: HP5971AF Calibration Date: 7/31/2006 Time: 10:39
 Lab File ID: F5856.D Init. Calib. Date(s): 7/25/2006 7/25/2006
 Init. Calib. Times: 12:34 15:36

COMPOUND	RRF	RRF50	MIN RRF	% D	MAX % D
Dibenzofuran	1.663	1.712		-3.0	
2,6-Dinitrotoluene	0.400	0.396		1.1	
2,4-Dinitrotoluene	0.498	0.509		-2.4	
Diethylphthalate	1.179	1.517		-28.7	
4-Chlorophenyl-phenylether	0.512	0.648		-26.7	
Fluorene	1.169	1.411		-20.7	
4-Nitroaniline	0.378	0.403		-6.6	
4,6-Dinitro-2-methylphenol	0.210	0.181		14.1	
Carbazole	1.108	1.067		3.7	
n-Nitrosodiphenylamine	0.732	0.826		-12.7	
1,2-Diphenylhydrazine	1.462	1.689		-15.6	
Azobenzene	1.462	1.689		-15.6	
4-Bromophenyl-phenylether	0.267	0.258		3.2	
Hexachlorobenzene	0.329	0.320		2.6	
Pentachlorophenol	0.186	0.156		16.3	
Phenanthrene	1.260	1.263		-0.2	
Anthracene	1.210	1.212		-0.2	
Di-n-butylphthalate	1.738	1.771		-1.9	
Fluoranthene	1.209	1.167		3.5	
Benzidine	0.874	0.736		15.8	
Pyrene	1.427	1.391		2.5	
Butylbenzylphthalate	0.878	0.777		11.5	
3,3'-Dichlorobenzidine	0.549	0.515		6.3	
Benzo[a]anthracene	1.356	1.310		3.5	
bis(2-Ethylhexyl)phthalate	1.130	1.135		-0.4	
Chrysene	1.247	1.204		3.4	
Di-n-octylphthalate	2.117	2.526		-19.3	
Benzo[b]fluoranthene	1.493	1.494		0.0	
Benzo[k]fluoranthene	1.226	1.518		-23.8	
Benzo[a]pyrene	1.266	1.254		0.9	
Indeno[1,2,3-cd]pyrene	1.393	1.115		20.0	
Dibenz[a,h]anthracene	1.211	1.021		15.7	
Benzo[g,h,i]perylene	1.167	0.763		34.6	
2-Fluorophenol	1.586	1.626		-2.5	
Phenol-d5	2.173	2.122		2.4	
Nitrobenzene-d5	0.533	0.464		13.0	
2-Fluorobiphenyl	1.315	1.384		-5.2	
2,4,6-Tribromophenol	0.200	0.202		-1.1	
Terphenyl-d14	0.934	0.904		3.2	

(1) Cannot be separated from Diphenylamine
 All other compounds must meet a minimum RRF of 0.010.

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____
 Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____
 Instrument ID: HP5971AF Calibration Date: 8/1/2006 Time: 8:24
 Lab File ID: F5874.D Init. Calib. Date(s): 7/25/2006 7/25/2006
 Init. Calib. Times: 12:34 15:36

COMPOUND	RRF	RRF50	MIN RRF	% D	MAX % D
Pyridine	1.522	1.554		-2.1	
N-Nitrosodimethylamine	1.330	1.335		-0.3	
Aniline	3.100	3.133		-1.1	
Phenol	2.493	2.591		-3.9	
bis(2-Chloroethyl)ether	2.100	2.186		-4.1	
2-Chlorophenol	1.600	1.666		-4.1	
1,3-Dichlorobenzene	1.506	1.591		-5.7	
1,4-Dichlorobenzene	1.525	1.613		-5.8	
Benzyl alcohol	1.651	1.644		0.4	
1,2-Dichlorobenzene	1.452	1.561		-7.5	
2-Methylphenol	1.594	1.689		-6.0	
bis(2-chloroisopropyl)ether	4.047	4.087		-1.0	
3&4-Methylphenol	1.672	1.777		-6.3	
N-Nitroso-di-n-propylamine	1.528	1.588	0.050	-4.0	0.0
Hexachloroethane	0.736	0.754		-2.5	
Nitrobenzene	0.545	0.548		-0.5	
Isophorone	1.094	1.143		-4.4	
2-Nitrophenol	0.256	0.252		1.6	
2,4-Dimethylphenol	0.410	0.433		-5.6	
Benzoic Acid	0.175	0.073		58.5	
bis(2-Chloroethoxy)methane	0.652	0.700		-7.4	
2,4-Dichlorophenol	0.303	0.319		-5.5	
1,2,4-Trichlorobenzene	0.314	0.323		-2.9	
Naphthalene	1.046	1.122		-7.3	
4-Chloroaniline	0.500	0.529		-5.9	
Hexachlorobutadiene	0.150	0.156		-4.1	
4-Chloro-3-methylphenol	0.370	0.393		-6.4	
2-Methylnaphthalene	0.617	0.678		-10.0	
Hexachlorocyclopentadiene	0.226	0.127	0.050	43.8	0.0
2,4,6-Trichlorophenol	0.435	0.445		-2.2	
2,4,5-Trichlorophenol	0.455	0.466		-2.4	
2-Chloronaphthalene	1.242	1.340		-7.8	
2-Nitroaniline	0.587	0.645		-9.7	
Dimethylphthalate	1.389	1.476		-6.3	
Acenaphthylene	1.853	2.006		-8.3	
3-Nitroaniline	0.445	0.477		-7.2	
Acenaphthene	1.103	1.184		-7.3	
2,4-Dinitrophenol	0.228	0.038	0.050	83.3	0.0
4-Nitrophenol	0.163	0.134	0.050	18.0	0.0

All other compounds must meet a minimum RRF of 0.010.

7C
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____
 Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____
 Instrument ID: HP5971AF Calibration Date: 8/1/2006 Time: 8:24
 Lab File ID: F5874.D Init. Calib. Date(s): 7/25/2006 7/25/2006
 Init. Calib. Times: 12:34 15:36

COMPOUND	RRF	RRF50	MIN RRF	% D	MAX % D
Dibenzofuran	1.663	1.747		-5.0	
2,6-Dinitrotoluene	0.400	0.422		-5.6	
2,4-Dinitrotoluene	0.498	0.526		-5.7	
Diethylphthalate	1.179	1.469		-24.6	
4-Chlorophenyl-phenylether	0.512	0.646		-26.2	
Fluorene	1.169	1.357		-16.1	
4-Nitroaniline	0.378	0.446		-17.8	
4,6-Dinitro-2-methylphenol	0.210	0.103		51.1	
Carbazole	1.108	1.043		5.8	
n-Nitrosodiphenylamine	0.732	0.816		-11.4	
1,2-Diphenylhydrazine	1.462	1.673		-14.4	
Azobenzene	1.462	1.673		-14.4	
4-Bromophenyl-phenylether	0.267	0.267		-0.3	
Hexachlorobenzene	0.329	0.319		3.1	
Pentachlorophenol	0.186	0.114		38.5	
Phenanthrene	1.260	1.289		-2.3	
Anthracene	1.210	1.208		0.1	
Di-n-butylphthalate	1.738	1.789		-2.9	
Fluoranthene	1.209	1.204		0.4	
Benzidine	0.874	0.674		22.9	
Pyrene	1.427	1.411		1.1	
Butylbenzylphthalate	0.878	0.891		-1.5	
3,3'-Dichlorobenzidine	0.549	0.547		0.5	
Benzo[a]anthracene	1.356	1.322		2.5	
bis(2-Ethylhexyl)phthalate	1.130	1.146		-1.4	
Chrysene	1.247	1.253		-0.5	
Di-n-octylphthalate	2.117	2.432		-14.9	
Benzo[b]fluoranthene	1.493	2.932		-96.4	
Benzo[k]fluoranthene	1.226	2.932		-139.3	
Benzo[a]pyrene	1.266	1.276		-0.8	
Indeno[1,2,3-cd]pyrene	1.393	1.075		22.9	
Dibenz[a,h]anthracene	1.211	0.973		19.6	
Benzo[g,h,i]perylene	1.167	0.774		33.6	
2-Fluorophenol	1.586	1.589		-0.2	
Phenol-d5	2.173	2.197		-1.1	
Nitrobenzene-d5	0.533	0.535		-0.3	
2-Fluorobiphenyl	1.315	1.404		-6.8	
2,4,6-Tribromophenol	0.200	0.198		1.1	
Terphenyl-d14	0.934	0.941		-0.8	

(1) Cannot be separated from Diphenylamine
 All other compounds must meet a minimum RRF of 0.010.

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____
 Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____
 Instrument ID: HP5971AF Calibration Date: 8/2/2006 Time: 10:57
 Lab File ID: F5891.D Init. Calib. Date(s): 7/25/2006 7/25/2006
 Init. Calib. Times: 12:34 15:36

COMPOUND	RRF	RRF50	MIN RRF	% D	MAX % D
Pyridine	1.522	1.640		-7.7	
N-Nitrosodimethylamine	1.330	1.336		-0.4	
Aniline	3.100	3.291		-6.2	
Phenol	2.493	2.663		-6.8	
bis(2-Chloroethyl)ether	2.100	2.255		-7.4	
2-Chlorophenol	1.600	1.732		-8.2	
1,3-Dichlorobenzene	1.506	1.653		-9.8	
1,4-Dichlorobenzene	1.525	1.688		-10.7	
Benzyl alcohol	1.651	1.694		-2.6	
1,2-Dichlorobenzene	1.452	1.610		-10.9	
2-Methylphenol	1.594	1.719		-7.8	
bis(2-chloroisopropyl)ether	4.047	4.216		-4.2	
3&4-Methylphenol	1.672	1.825		-9.1	
N-Nitroso-di-n-propylamine	1.528	1.614	0.050	-5.6	0.0
Hexachloroethane	0.736	0.803		-9.1	
Nitrobenzene	0.545	0.570		-4.5	
Isophorone	1.094	1.206		-10.2	
2-Nitrophenol	0.256	0.273		-6.8	
2,4-Dimethylphenol	0.410	0.444		-8.5	
Benzoic Acid	0.175	0.087		50.3	
bis(2-Chloroethoxy)methane	0.652	0.708		-8.7	
2,4-Dichlorophenol	0.303	0.336		-11.1	
1,2,4-Trichlorobenzene	0.314	0.341		-8.5	
Naphthalene	1.046	1.153		-10.3	
4-Chloroaniline	0.500	0.548		-9.7	
Hexachlorobutadiene	0.150	0.164		-9.4	
4-Chloro-3-methylphenol	0.370	0.402		-8.7	
2-Methylnaphthalene	0.617	0.688		-11.6	
Hexachlorocyclopentadiene	0.226	0.230	0.050	-1.8	0.0
2,4,6-Trichlorophenol	0.435	0.465		-6.9	
2,4,5-Trichlorophenol	0.455	0.491		-7.8	
2-Chloronaphthalene	1.242	1.358		-9.3	
2-Nitroaniline	0.587	0.627		-6.8	
Dimethylphthalate	1.389	1.463		-5.3	
Acenaphthylene	1.853	1.975		-6.6	
3-Nitroaniline	0.445	0.480		-8.0	
Acenaphthene	1.103	1.210		-9.7	
2,4-Dinitrophenol	0.228	0.193	0.050	15.3	0.0
4-Nitrophenol	0.163	0.166	0.050	-1.3	0.0

All other compounds must meet a minimum RRF of 0.010.

EV-110

7C
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____
 Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____
 Instrument ID: HP5971AF Calibration Date: 8/2/2006 Time: 10:57
 Lab File ID: F5891.D Init. Calib. Date(s): 7/25/2006 7/25/2006
 Init. Calib. Times: 12:34 15:36

COMPOUND	RRF	RRF50	MIN RRF	% D	MAX % D
Dibenzofuran	1.663	1.796		-8.0	
2,6-Dinitrotoluene	0.400	0.445		-11.1	
2,4-Dinitrotoluene	0.498	0.562		-12.9	
Diethylphthalate	1.179	1.397		-18.5	
4-Chlorophenyl-phenylether	0.512	0.652		-27.5	
Fluorene	1.169	1.321		-13.1	
4-Nitroaniline	0.378	0.433		-14.5	
4,6-Dinitro-2-methylphenol	0.210	0.216		-2.7	
Carbazole	1.108	1.069		3.5	
n-Nitrosodiphenylamine	0.732	0.835		-14.1	
1,2-Diphenylhydrazine	1.462	1.676		-14.6	
Azobenzene	1.462	1.676		-14.6	
4-Bromophenyl-phenylether	0.267	0.282		-5.8	
Hexachlorobenzene	0.329	0.339		-3.1	
Pentachlorophenol	0.186	0.177		5.1	
Phenanthrene	1.260	1.349		-7.1	
Anthracene	1.210	1.286		-6.3	
Di-n-butylphthalate	1.738	1.867		-7.4	
Fluoranthene	1.209	1.258		-4.0	
Benzidine	0.874	0.823		5.9	
Pyrene	1.427	1.545		-8.3	
Butylbenzylphthalate	0.878	0.961		-9.4	
3,3'-Dichlorobenzidine	0.549	0.510		7.1	
Benzo[a]anthracene	1.356	1.382		-1.9	
bis(2-Ethylhexyl)phthalate	1.130	1.202		-6.3	
Chrysene	1.247	1.312		-5.2	
Di-n-octylphthalate	2.117	2.508		-18.5	
Benzo[b]fluoranthene	1.493	1.773		-18.7	
Benzo[k]fluoranthene	1.226	1.299		-6.0	
Benzo[a]pyrene	1.266	1.366		-8.0	
Indeno[1,2,3-cd]pyrene	1.393	1.456		-4.5	
Dibenz[a,h]anthracene	1.211	1.287		-6.3	
Benzo[g,h,i]perylene	1.167	1.171		-0.4	
2-Fluorophenol	1.586	1.688		-6.4	
Phenol-d5	2.173	2.324		-6.9	
Nitrobenzene-d5	0.533	0.559		-4.7	
2-Fluorobiphenyl	1.315	1.452		-10.4	
2,4,6-Tribromophenol	0.200	0.214		-7.0	
Terphenyl-d14	0.934	1.038		-11.1	

(1) Cannot be separated from Diphenylamine
 All other compounds must meet a minimum RRF of 0.010.

SV-111

7B
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____
 Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____
 Instrument ID: HP5971AF Calibration Date: 8/8/2006 Time: 12:26
 Lab File ID: F5953.D Init. Calib. Date(s): 7/25/2006 7/25/2006
 Init. Calib. Times: 12:34 15:36

COMPOUND	RRF	RRF50	MIN RRF	% D	MAX % D
Pyridine	1.522	1.471		3.4	
N-Nitrosodimethylamine	1.330	1.268		4.7	
Aniline	3.100	3.037		2.0	
Phenol	2.493	2.256		9.5	
bis(2-Chloroethyl)ether	2.100	2.178		-3.7	
2-Chlorophenol	1.600	1.389		13.2	
1,3-Dichlorobenzene	1.506	1.490		1.1	
1,4-Dichlorobenzene	1.525	1.446		5.2	
Benzyl alcohol	1.651	1.622		1.7	
1,2-Dichlorobenzene	1.452	1.447		0.3	
2-Methylphenol	1.594	1.241		22.1	
bis(2-chloroisopropyl)ether	4.047	3.695		8.7	
3&4-Methylphenol	1.672	1.793		-7.2	
N-Nitroso-di-n-propylamine	1.528	1.523	0.050	0.3	0.0
Hexachloroethane	0.736	0.727		1.2	
Nitrobenzene	0.545	0.495		9.2	
Isophorone	1.094	1.095		-0.1	
2-Nitrophenol	0.256	0.253		0.8	
2,4-Dimethylphenol	0.410	0.391		4.6	
Benzoic Acid	0.175	0.040		77.2	
bis(2-Chloroethoxy)methane	0.652	0.652		0.0	
2,4-Dichlorophenol	0.303	0.303		-0.2	
1,2,4-Trichlorobenzene	0.314	0.309		1.6	
Naphthalene	1.046	0.995		4.8	
4-Chloroaniline	0.500	0.505		-1.1	
Hexachlorobutadiene	0.150	0.138		8.0	
4-Chloro-3-methylphenol	0.370	0.348		5.9	
2-Methylnaphthalene	0.617	0.619		-0.4	
Hexachlorocyclopentadiene	0.226	0.218	0.050	3.6	0.0
2,4,6-Trichlorophenol	0.435	0.405		7.0	
2,4,5-Trichlorophenol	0.455	0.369		18.9	
2-Chloronaphthalene	1.242	1.208		2.7	
2-Nitroaniline	0.587	0.604		-2.8	
Dimethylphthalate	1.389	1.320		4.9	
Acenaphthylene	1.853	1.768		4.6	
3-Nitroaniline	0.445	0.458		-3.0	
Acenaphthene	1.103	1.048		5.0	
2,4-Dinitrophenol	0.228	0.138	0.050	39.2	0.0
4-Nitrophenol	0.163	0.173	0.050	-6.0	0.0

All other compounds must meet a minimum RRF of 0.010.

SV-112

7C
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____
 Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____
 Instrument ID: HP5971AF Calibration Date: 8/8/2006 Time: 12:26
 Lab File ID: F5953.D Init. Calib. Date(s): 7/25/2006 7/25/2006
 Init. Calib. Times: 12:34 15:36

COMPOUND	RRF	RRF50	MIN RRF	% D	MAX % D
Dibenzofuran	1.663	1.604		3.5	
2,6-Dinitrotoluene	0.400	0.409		-2.1	
2,4-Dinitrotoluene	0.498	0.520		-4.4	
Diethylphthalate	1.179	1.079		8.5	
4-Chlorophenyl-phenylether	0.512	0.497		2.8	
Fluorene	1.169	1.089		6.8	
4-Nitroaniline	0.378	0.397		-4.9	
4,6-Dinitro-2-methylphenol	0.210	0.144		31.5	
Carbazole	1.108	1.000		9.7	
n-Nitrosodiphenylamine	0.732	0.646		11.8	
1,2-Diphenylhydrazine	1.462	1.274		12.8	
Azobenzene	1.462	1.274		12.8	
4-Bromophenyl-phenylether	0.267	0.235		12.1	
Hexachlorobenzene	0.329	0.284		13.7	
Pentachlorophenol	0.186	0.151		19.1	
Phenanthrene	1.260	1.143		9.3	
Anthracene	1.210	1.134		6.3	
Di-n-butylphthalate	1.738	1.693		2.6	
Fluoranthene	1.209	1.107		8.5	
Benzidine	0.874	0.776		11.2	
Pyrene	1.427	1.372		3.9	
Butylbenzylphthalate	0.878	0.830		5.5	
3,3'-Dichlorobenzidine	0.549	0.487		11.3	
Benzo[a]anthracene	1.356	1.310		3.4	
bis(2-Ethylhexyl)phthalate	1.130	1.108		2.0	
Chrysene	1.247	1.229		1.5	
Di-n-octylphthalate	2.117	1.934		8.7	
Benzo[b]fluoranthene	1.493	1.483		0.7	
Benzo[k]fluoranthene	1.226	1.034		15.6	
Benzo[a]pyrene	1.266	1.153		8.9	
Indeno[1,2,3-cd]pyrene	1.393	1.315		5.6	
Dibenz[a,h]anthracene	1.211	1.149		5.1	
Benzo[g,h,i]perylene	1.167	1.091		6.5	
2-Fluorophenol	1.586	1.507		5.0	
Phenol-d5	2.173	2.184		-0.5	
Nitrobenzene-d5	0.533	0.488		8.6	
2-Fluorobiphenyl	1.315	1.132		13.9	
2,4,6-Tribromophenol	0.200	0.191		4.7	
Terphenyl-d14	0.934	0.949		-1.6	

(1) Cannot be separated from Diphenylamine
 All other compounds must meet a minimum RRF of 0.010.

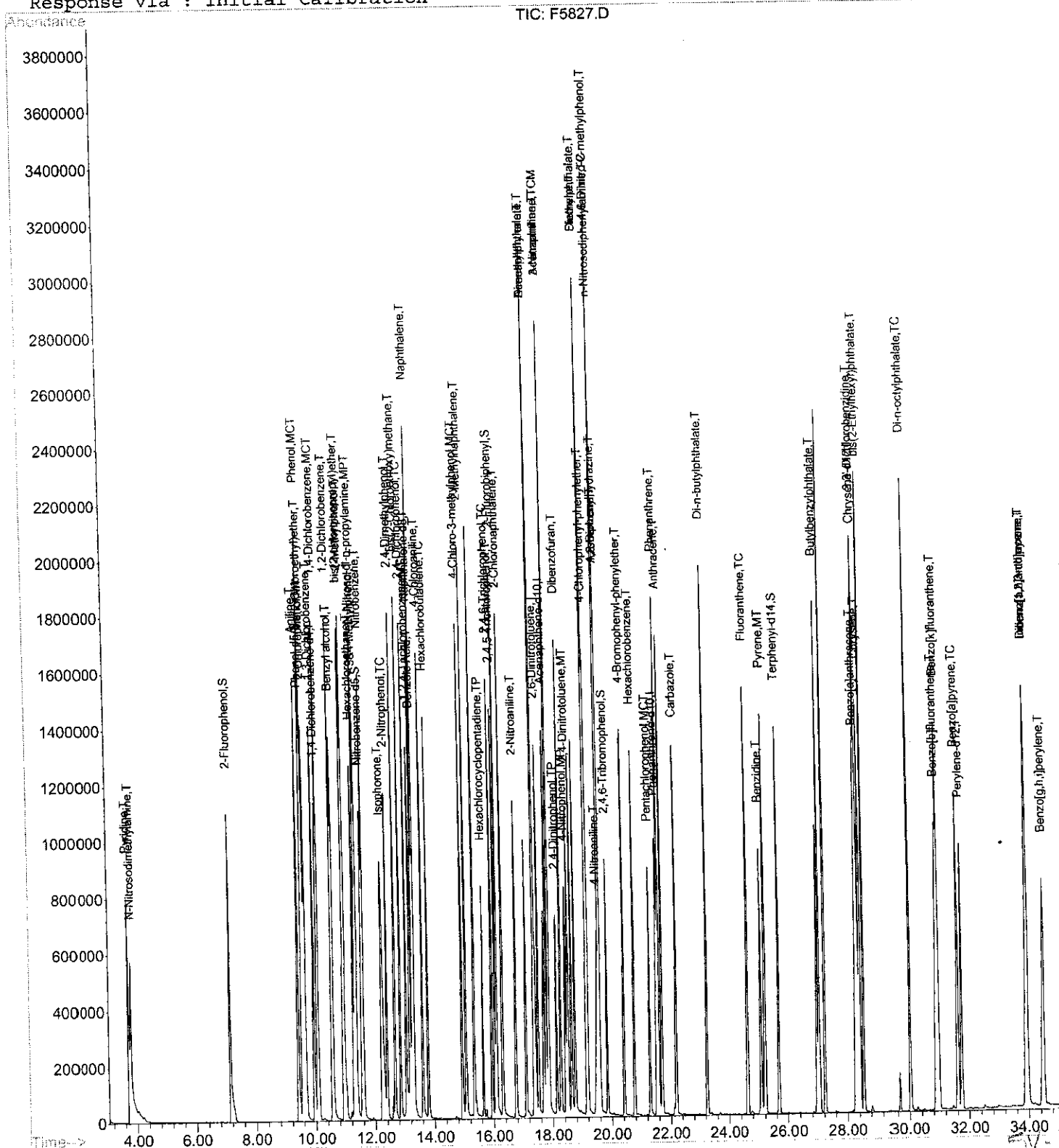
Quantitation Report

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Data File : E:\F\DATA\JUL06\F0725\F5827.D
Acq On    : 25 Jul 2006  12:34
Sample    : SSTD050
Misc      :
MS Integration Params: rteint.p
Quant Time: Jul 26  8:53 2006
```

Vial: 25
Operator: JOSE
Inst : HP5971AF
Multiplr: 1.00

Quant Results File: SVF80725.RES

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Method      : E:\F\METHODS\SVF80725.M (RTE Integrator)
Title       : SEMI-VOA 8270 CALIBRATION  HP5971AF
Last Update  : Tue Aug 08 13:01:22 2006
Response via : Initial Calibration
```



Data File : E:\F\DATA\JUL06\F0725\F5827.D
 Acq On : 25 Jul 2006 12:34
 Sample : SSTD050
 Misc :
 MS Integration Params: rteint.p
 Quant Time: Jul 26 8:53 2006

Vial: 25
 Operator: JOSE
 Inst : HP5971AF
 Multiplr: 1.00

Quant Results File: SVF80725.RES

Quant Method : E:\F\METHODS\SVF80725.M (RTE Integrator)
 Title : SEMI-VOA 8270 CALIBRATION HP5971AF
 Last Update : Tue Jul 25 16:35:06 2006
 Response via : Initial Calibration
 DataAcq Meth : SVF80717

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.06	152	424244	40.00	ul/l	-0.16
19) Naphthalene-d8	13.27	136	1607528	40.00	ul/l	-0.17
34) Acenaphthene-d10	17.80	164	770152	40.00	ul/l	-0.18
55) Phenanthrene-d10	21.54	188	1083119	40.00	ul/l	-0.19
68) Chrysene-d12	28.36	240	955576	40.00	ul/l	-0.18
77) Perylene-d12	31.77	264	859464	40.00	ul/l	-0.18

System Monitoring Compounds

4) 2-Fluorophenol	7.12	112	837962	49.82	ul/l	-0.11
Spiked Amount 200.000	Range 21 - 100		Recovery =	24.91%		
6) Phenol-d5	9.56	99	1183261	51.33	ul/l	-0.07
Spiked Amount 200.000	Range 10 - 94		Recovery =	25.66%		
20) Nitrobenzene-d5	11.57	82	1110610	51.80	ul/l	-0.11
Spiked Amount 100.000	Range 35 - 114		Recovery =	51.80%		
38) 2-Fluorobiphenyl	16.12	172	1348574	53.27	ul/l	-0.18
Spiked Amount 100.000	Range 43 - 116		Recovery =	53.27%		
54) 2,4,6-Tribromophenol	19.86	330	208696	54.21	ul/l	-0.22
Spiked Amount 200.000	Range 10 - 123		Recovery =	27.11%		
71) Terphenyl-d14	25.70	244	1068426	47.90	ul/l	-0.17
Spiked Amount 100.000	Range 33 - 141		Recovery =	47.90%		

Target Compounds

					Qvalue
2) Pyridine	3.69	79	853615m	52.88	ul/l
3) N-Nitrosodimethylamine	3.80	74	741266	52.55	ul/l # 76
5) Aniline	9.42	93	1651037	50.22	ul/l 84
7) Phenol	9.59	94	1430761	54.11	ul/l 75
8) bis(2-Chloroethyl)ether	9.62	93	1187967	53.33	ul/l 93
9) 2-Chlorophenol	9.66	128	874839	51.54	ul/l 86
10) 1,3-Dichlorobenzene	9.94	146	839257	52.55	ul/l 99
11) 1,4-Dichlorobenzene	10.10	146	854931	52.84	ul/l 98
12) Benzyl alcohol	10.60	79	874068	49.92	ul/l 92
13) 1,2-Dichlorobenzene	10.55	146	811698	52.71	ul/l 99
14) 2-Methylphenol	10.99	108	856397	50.67	ul/l 98
15) bis(2-chloroisopropyl)ethe	10.95	45	2215336	51.61	ul/l 99
16) 3&4-Methylphenol	11.39	108	909674	51.30	ul/l 91
17) N-Nitroso-di-n-propylamine	11.34	70	840569	51.87	ul/l 93
18) Hexachloroethane	11.27	117	405949	52.01	ul/l 91
21) Nitrobenzene	11.62	77	1127929	51.45	ul/l # 76
22) Isophorone	12.23	82	2342572	53.26	ul/l 85
23) 2-Nitrophenol	12.42	139	515906	50.24	ul/l # 68
24) 2,4-Dimethylphenol	12.67	107	854362	51.91	ul/l 93
25) Benzoic Acid	13.31	122	371734	52.92	ul/l # 80
26) bis(2-Chloroethoxy)methane	12.87	93	1373811	52.45	ul/l 96
27) 2,4-Dichlorophenol	13.05	162	642295	52.82	ul/l 93
28) 1,2,4-Trichlorobenzene	13.18	180	651364	51.67	ul/l 97
29) Naphthalene	13.33	128	2226092	52.97	ul/l 100
30) 4-Chloroaniline	13.61	127	1060445	52.81	ul/l 97
31) Hexachlorobutadiene	13.80	225	328053	54.34	ul/l 99
32) 4-Chloro-3-methylphenol	14.95	107	769812	51.83	ul/l 98
33) 2-Methylnaphthalene	15.08	142	1326016	53.50	ul/l 98

(#) = qualifier out of range (m) = manual integration
 F5827.D SVF80725.M Fri Aug 18 11:36:56 2006

SV-115

Data File : E:\F\DATA\JUL06\F0725\F5827.D
 Acq On : 25 Jul 2006 12:34
 Sample : SST050
 Misc :

Vial: 25
 Operator: JOSE
 Inst : HP5971AF
 Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Jul 26 8:53 2006

Quant Results File: SVF80725.RES

Quant Method : E:\F\METHODS\SVF80725.M (RTE Integrator)

Title : SEMI-VOA 8270 CALIBRATION HP5971AF

Last Update : Tue Jul 25 16:35:06 2006

Response via : Initial Calibration

DataAcq Meth : SVF80717

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
35) Hexachlorocyclopentadiene	15.65	237	243864	56.05	ul/l	98
36) 2,4,6-Trichlorophenol	15.95	196	444843	53.10	ul/l	99
37) 2,4,5-Trichlorophenol	16.05	196	471884	53.85	ul/l	99
39) 2-Chloronaphthalene	16.33	162	1251243	52.31	ul/l	96
40) 2-Nitroaniline	16.78	65	623356	55.13	ul/l #	53
41) Dimethylphthalate	17.39	163	1356024	50.72	ul/l	100.
42) Acenaphthylene	17.39	152	1849804	51.85	ul/l	98
43) 3-Nitroaniline	17.89	138	461613	53.91	ul/l #	75
44) Acenaphthene	17.89	153	1129257	53.15	ul/l	98
45) 2,4-Dinitrophenol	18.15	184	229673	52.41	ul/l #	73
46) 4-Nitrophenol	18.45	109	179849m	57.16	ul/l	
47) Dibenzofuran	18.29	168	1674489	52.31	ul/l	92
48) 2,6-Dinitrotoluene	17.53	165	401558	52.12	ul/l	80
49) 2,4-Dinitrotoluene	18.54	165	507806	53.00	ul/l #	58
50) Diethylphthalate	19.17	149	1341574	59.09	ul/l	97
51) 4-Chlorophenyl-phenylether	19.21	204	625351	63.47	ul/l	96
52) Fluorene	19.17	166	1266111	56.27	ul/l	98
53) 4-Nitroaniline	19.53	138	420656	57.79	ul/l	81
56) 4,6-Dinitro-2-methylphenol	19.59	198	328906	57.76	ul/l	100
57) Carbazole	22.21	167	1415784	47.20	ul/l	95
58) n-Nitrosodiphenylamine	19.60	169	1099931	55.47	ul/l	97
59) 1,2-Diphenylhydrazine	19.62	77	2251080	56.88	ul/l	66
60) Azobenzene	19.62	77	2251080	56.88	ul/l	66
61) 4-Bromophenyl-phenylether	20.44	248	367897	50.95	ul/l	90
62) Hexachlorobenzene	20.78	284	451275	50.73	ul/l	90
63) Pentachlorophenol	21.30	266	246776	48.96	ul/l	98
64) Phenanthrene	21.61	178	1703076	49.90	ul/l	99
65) Anthracene	21.72	178	1625195	49.60	ul/l	98
66) Di-n-butylphthalate	23.28	149	2340527	49.73	ul/l	99
67) Fluoranthene	24.65	202	1616732	49.37	ul/l	94
69) Benzidine	25.09	184	980374	46.96	ul/l	100
70) Pyrene	25.23	202	1564097	45.88	ul/l	99
72) Butylbenzylphthalate	27.07	149	1052717	50.19	ul/l	80
73) 3,3'-Dichlorobenzidine	28.35	252	692174	52.74	ul/l	97
74) Benzo[a]anthracene	28.30	228	1566160	48.33	ul/l	98
75) bis(2-Ethylhexyl)phthalate	28.57	149	1362350	50.46	ul/l	98
76) Chrysene	28.44	228	1466944	49.25	ul/l	98
78) Di-n-octylphthalate	30.04	149	2520413	55.41	ul/l	100
79) Benzo[b]fluoranthene	30.94	252	1574720m	49.08	ul/l	
80) Benzo[k]fluoranthene	30.99	252	1303517m	49.50	ul/l	
81) Benzo[a]pyrene	31.64	252	1363697	50.15	ul/l	96
82) Indeno[1,2,3-cd]pyrene	33.98	276	1565994	52.30	ul/l	88
83) Dibenz[a,h]anthracene	33.98	278	1404491	54.00	ul/l	95
84) Benzo[g,h,i]perylene	34.52	276	1205257	48.08	ul/l	91

SV-116

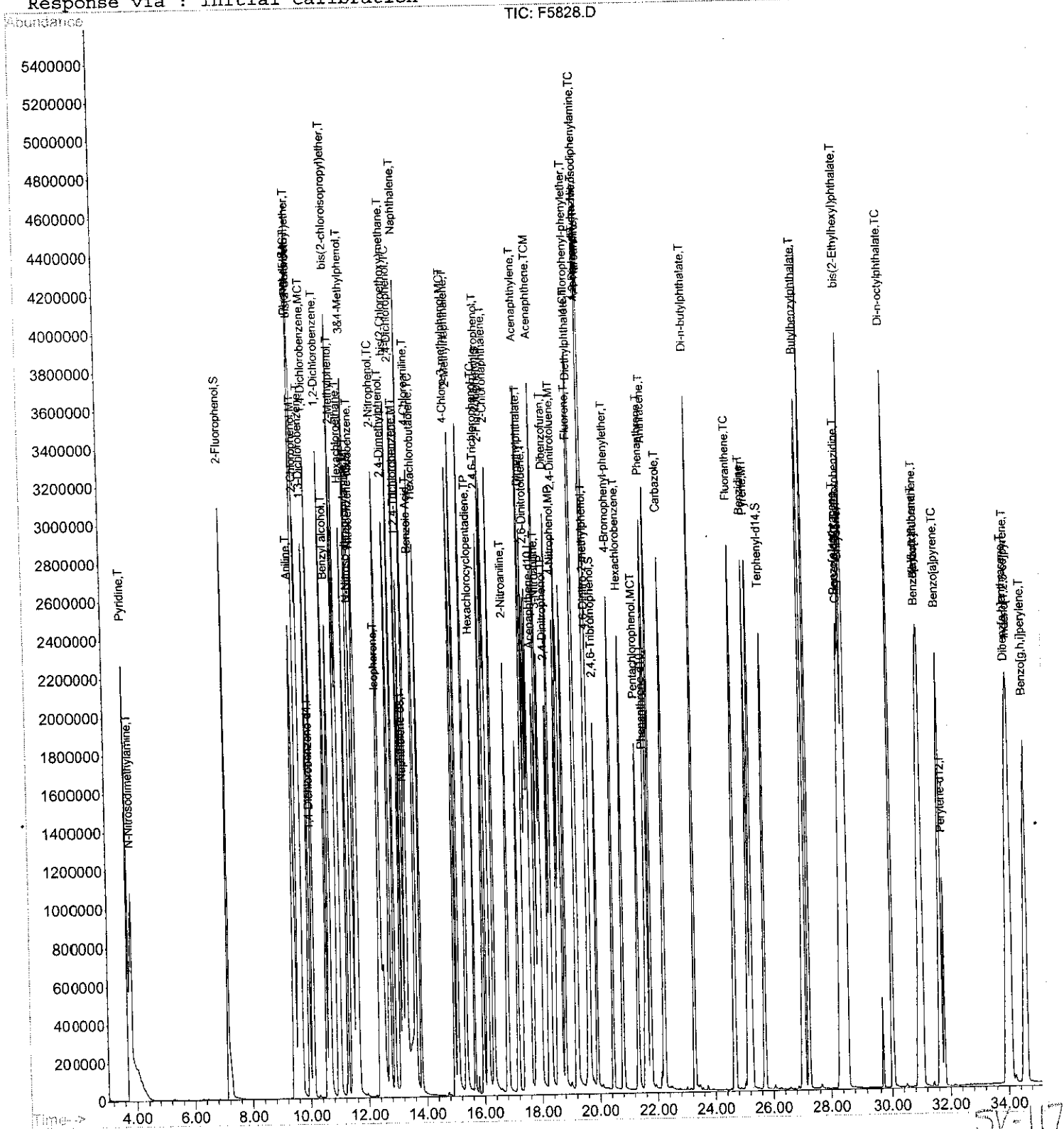
Quantitation Report

Data File : E:\F\DATA\JUL06\F0725\F5828.D
Acq On : 25 Jul 2006 13:20
Sample : SSTD160
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 25 16:26 2006

Vial: 26
Operator: JOSE
Inst : HP5971AF
Multiplr: 1.00

Quant Results File: SVF80717.RES

Method : E:\F\METHODS\SVF80717.M (RTE Integrator)
Title : SEMI-VOA 8270 CALIBRATION HP5971AF
Last Update : Tue Jul 18 08:37:56 2006
Response via : Initial Calibration



Data File : E:\F\DATA\JUL06\F0725\F5828.D
 Acq On : 25 Jul 2006 13:20
 Sample : SSTD160
 Misc :

Vial: 26
 Operator: JOSE
 Inst : HP5971AF
 Multiplr: 1.00

MS Integration Params: rteint.p
 Quant Time: Jul 25 16:26 2006

Quant Results File: SVF80717.RES

Quant Method : E:\F\METHODS\SVF80717.M (RTE Integrator)
 Title : SEMI-VOA 8270 CALIBRATION HP5971AF
 Last Update : Tue Jul 18 08:37:56 2006
 Response via : Initial Calibration
 DataAcq Meth : SVF80717

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.08	152	394491	40.00	ul/l	-0.14
19) Naphthalene-d8	13.31	136	1501206	40.00	ul/l	-0.14
34) Acenaphthene-d10	17.82	164	764418	40.00	ul/l	-0.16
55) Phenanthrene-d10	21.61	188	971857	40.00	ul/l	-0.11
68) Chrysene-d12	28.43	240	842082	40.00	ul/l	-0.12
77) Perylene-d12	31.82	264	919493	40.00	ul/l	-0.12

System Monitoring Compounds

4) 2-Fluorophenol	7.18	112	2650310	189.03	ul/l	-0.05
Spiked Amount	200.000	Range	21 - 100	Recovery	=	94.52%
6) Phenol-d5	9.64	99	3440813	185.19	ul/l	0.02
Spiked Amount	200.000	Range	10 - 94	Recovery	=	92.59%
20) Nitrobenzene-d5	11.64	82	3105636	197.47	ul/l	-0.04
Spiked Amount	100.000	Range	35 - 114	Recovery	=	197.47%#
38) 2-Fluorobiphenyl	16.19	172	3618685	152.61	ul/l	-0.11
Spiked Amount	100.000	Range	43 - 116	Recovery	=	152.61%#
54) 2,4,6-Tribromophenol	19.94	330	643238	249.15	ul/l	-0.15
Spiked Amount	200.000	Range	10 - 123	Recovery	=	124.58%#
71) Terphenyl-d14	25.75	244	3320563	152.38	ul/l	-0.12
Spiked Amount	100.000	Range	33 - 141	Recovery	=	152.38%#

Target Compounds

					Qvalue	
2) Pyridine	3.74	79	2338087	186.84	ul/l	# 70
3) N-Nitrosodimethylamine	3.86	74	2174173	179.28	ul/l	83
5) Aniline	9.48	93	5112247	201.81	ul/l	84
7) Phenol	9.67	94	3706669m	173.63	ul/l	
8) bis(2-Chloroethyl) ether	9.69	93	3038864	166.56	ul/l	95
9) 2-Chlorophenol	9.74	128	2485714	151.90	ul/l	83
10) 1,3-Dichlorobenzene	9.99	146	2227180	144.40	ul/l	99
11) 1,4-Dichlorobenzene	10.13	146	2236027	142.29	ul/l	97
12) Benzyl alcohol	10.73	79	2706491	205.58	ul/l	93
13) 1,2-Dichlorobenzene	10.58	146	2158426	143.21	ul/l	99
14) 2-Methylphenol	11.06	108	2547720	175.23	ul/l	99
15) bis(2-chloroisopropyl) ether	10.98	45	5949812m	210.50	ul/l	
16) 3&4-Methylphenol	11.49	108	2682837m	169.69	ul/l	
17) N-Nitroso-di-n-propylamine	11.53	70	2330766m	188.93	ul/l	
18) Hexachloroethane	11.30	117	1093137	157.36	ul/l	91
21) Nitrobenzene	11.69	77	3207648	198.01	ul/l	# 77
22) Isophorone	12.41	82	6243496m	186.82	ul/l	
23) 2-Nitrophenol	12.46	139	1647424	165.76	ul/l	# 71
24) 2,4-Dimethylphenol	12.78	107	2449221	186.54	ul/l	94
25) Benzoic Acid	13.65	122	1264953m	305.56	ul/l	
26) bis(2-Chloroethoxy) methane	12.94	93	3849595	179.54	ul/l	97
27) 2,4-Dichlorophenol	13.14	162	1841371	163.05	ul/l	94
28) 1,2,4-Trichlorobenzene	13.22	180	1879237	178.51	ul/l	98
29) Naphthalene	13.38	128	5898051	152.19	ul/l	100
30) 4-Chloroaniline	13.68	127	3099827	157.51	ul/l	98
31) Hexachlorobutadiene	13.83	225	836890	204.89	ul/l	99
32) 4-Chloro-3-methylphenol	15.00	107	2276086	185.01	ul/l	98
33) 2-Methylnaphthalene	15.13	142	3603874	147.78	ul/l	97

(#) = qualifier out of range (m) = manual integration
 F5828.D SVF80717.M Fri Aug 18 11:37:33 2006

Data File : E:\F\DATA\JUL06\F0725\F5828.D

Vial: 26

Acq On : 25 Jul 2006 13:20

Operator: JOSE

Sample : SSTD160

Inst : HP5971AF

Misc :

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Jul 25 16:26 2006

Quant Results File: SVF80717.RES

Quant Method : E:\F\METHODS\SVF80717.M (RTE Integrator)

Title : SEMI-VOA 8270 CALIBRATION HP5971AF

Last Update : Tue Jul 18 08:37:56 2006

Response via : Initial Calibration

DataAcq Meth : SVF80717

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
35) Hexachlorocyclopentadiene	15.69	237	861359	257.46	ul/l	98
36) 2,4,6-Trichlorophenol	16.01	196	1299291	175.52	ul/l	99
37) 2,4,5-Trichlorophenol	16.13	196	1294672	163.38	ul/l	98
39) 2-Chloronaphthalene	16.38	162	3600331	147.22	ul/l	97
40) 2-Nitroaniline	16.86	65	1809426	177.92	ul/l #	55
41) Dimethylphthalate	17.53	163	4121272	152.89	ul/l	99
42) Acenaphthylene	17.46	152	5270180	136.51	ul/l	99
43) 3-Nitroaniline	18.03	138	1322802	126.95	ul/l #	75
44) Acenaphthene	17.96	153	3165069	140.76	ul/l	98
45) 2,4-Dinitrophenol	18.27	184	851952	294.26	ul/l #	72
46) 4-Nitrophenol	18.59	109	530254	206.46	ul/l #	70
47) Dibenzofuran	18.37	168	4925531	154.94	ul/l	88
48) 2,6-Dinitrotoluene	17.65	165	1265261	150.78	ul/l	87
49) 2,4-Dinitrotoluene	18.67	165	1517705	145.30	ul/l	77
50) Diethylphthalate	19.29	149	2685214m	103.90	ul/l	
51) 4-Chlorophenyl-phenylether	19.28	204	1156490m	130.39	ul/l	
52) Fluorene	19.22	166	3019545	131.68	ul/l	97
53) 4-Nitroaniline	19.69	138	986438	104.26	ul/l	80
56) 4,6-Dinitro-2-methylphenol	19.71	198	804651	213.98	ul/l	100
57) Carbazole	22.28	167	4706778	154.09	ul/l	92
58) n-Nitrosodiphenylamine	19.65	169	2519904	135.43	ul/l	96
59) 1,2-Diphenylhydrazine	19.63	77	4837894	134.60	ul/l	70
60) Azobenzene	19.63	77	4837894	134.60	ul/l	70
61) 4-Bromophenyl-phenylether	20.49	248	1080540	212.00	ul/l	89
62) Hexachlorobenzene	20.85	284	1317985	228.13	ul/l	87
63) Pentachlorophenol	21.36	266	867808	259.80	ul/l	99
64) Phenanthrene	21.69	178	5096611	165.40	ul/l	99
65) Anthracene	21.81	178	4809494	156.62	ul/l	97
66) Di-n-butylphthalate	23.32	149	6869910	130.45	ul/l	99
67) Fluoranthene	24.72	202	4972024	176.29	ul/l	94
69) Benzidine	25.18	184	3638318	154.84	ul/l	100
70) Pyrene	25.30	202	5262365	138.13	ul/l	96
72) Butylbenzylphthalate	27.13	149	2800967	96.50	ul/l	81
73) 3,3'-Dichlorobenzidine	28.47	252	1801752	169.18	ul/l	98
74) Benzo[a]anthracene	28.39	228	4840238	151.06	ul/l	98
75) bis(2-Ethylhexyl)phthalate	28.61	149	3518613	93.56	ul/l	95
76) Chrysene	28.53	228	4008428	144.51	ul/l	98
78) Di-n-octylphthalate	30.07	149	6985495m	97.74	ul/l	
79) Benzo[b]fluoranthene	31.04	252	5142348m	160.96	ul/l	
80) Benzo[k]fluoranthene	31.07	252	4160858m	156.68	ul/l	
81) Benzo[a]pyrene	31.74	252	4722752	164.71	ul/l	99
82) Indeno[1,2,3-cd]pyrene	34.14	276	5145106	182.58	ul/l	92
83) Dibenz[a,h]anthracene	34.06	278	4469320	193.07	ul/l	96
84) Benzo[g,h,i]perylene	34.67	276	4611021	191.15	ul/l	99

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

F5828.D SVF80717.M

Fri Aug 18 11:37:33 2006

SV-119

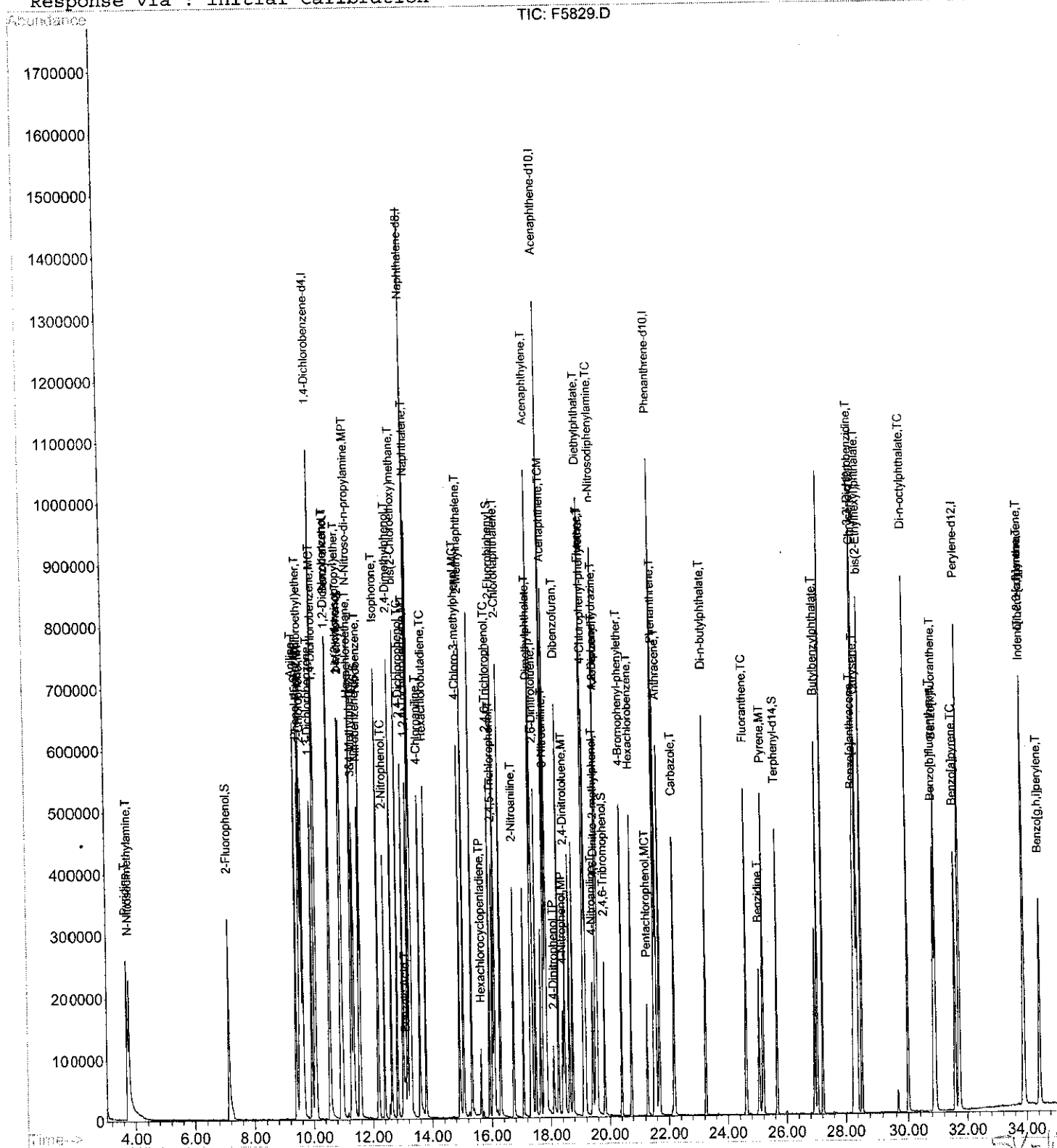
Quantitation Report

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Data File : E:\F\DATA\JUL06\F0725\F5829.D
Acq On    : 25 Jul 2006  14:05
Sample    : SSTD020
Misc      :
MS Integration Params: rteint.p
Quant Time: Jul 25 16:23 2006
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Vial: 27
Operator: JOSE
Inst : HP5971AF
Multiplr: 1.00

Quant Results File: SVF80717.RES

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Method      : E:\F\METHODS\SVF80717.M (RTE Integrator)
Title       : SEMI-VOA 8270 CALIBRATION  HP5971AF
Last Update  : Tue Jul 18 08:37:56 2006
Response via : Initial Calibration
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Data File : E:\F\DATA\JUL06\F0725\F5829.D
 Acq On : 25 Jul 2006 14:05
 Sample : SST020
 Misc :

Vial: 27
 Operator: JOSE
 Inst : HP5971AF
 Multiplr: 1.00

MS Integration Params: rteint.p
 Quant Time: Jul 25 16:23 2006

Quant Results File: SVF80717.RES

Quant Method : E:\F\METHODS\SVF80717.M (RTE Integrator)
 Title : SEMI-VOA 8270 CALIBRATION HP5971AF
 Last Update : Tue Jul 18 08:37:56 2006
 Response via : Initial Calibration
 DataAcq Meth : SVF80717

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.05	152	360083	40.00	ul/l	-0.17
19) Naphthalene-d8	13.26	136	1355616	40.00	ul/l	-0.19
34) Acenaphthene-d10	17.78	164	626009	40.00	ul/l	-0.20
55) Phenanthrene-d10	21.53	188	880932	40.00	ul/l	-0.20
68) Chrysene-d12	28.34	240	733957	40.00	ul/l	-0.20
77) Perylene-d12	31.75	264	743537	40.00	ul/l	-0.20

System Monitoring Compounds

4) 2-Fluorophenol	7.13	112	263636	20.60	ul/l	-0.11
Spiked Amount	200.000	Range	21 - 100	Recovery	=	10.30%#
6) Phenol-d5	9.53	99	385378	22.72	ul/l	-0.10
Spiked Amount	200.000	Range	10 - 94	Recovery	=	11.36%
20) Nitrobenzene-d5	11.54	82	372379	26.22	ul/l	-0.14
Spiked Amount	100.000	Range	35 - 114	Recovery	=	26.22%#
38) 2-Fluorobiphenyl	16.11	172	439751	22.65	ul/l	-0.20
Spiked Amount	100.000	Range	43 - 116	Recovery	=	22.65%#
54) 2,4,6-Tribromophenol	19.83	330	50829	24.04	ul/l	-0.25
Spiked Amount	200.000	Range	10 - 123	Recovery	=	12.02%
71) Terphenyl-d14	25.67	244	313347	16.50	ul/l	-0.20
Spiked Amount	100.000	Range	33 - 141	Recovery	=	16.50%#

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Pyridine	3.70	79	272343m	23.84	ul/l	.
3) N-Nitrosodimethylamine	3.79	74	236601	21.37	ul/l	# 80
5) Aniline	9.40	93	530775	22.96	ul/l	81
7) Phenol	9.56	94	470281	24.13	ul/l	86
8) bis(2-Chloroethyl)ether	9.60	93	411613	24.72	ul/l	88
9) 2-Chlorophenol	9.65	128	288852	19.34	ul/l	# 81
10) 1,3-Dichlorobenzene	9.94	146	283442	20.13	ul/l	99
11) 1,4-Dichlorobenzene	10.09	146	300575	20.96	ul/l	97
12) Benzyl alcohol	10.56	79	294043	24.47	ul/l	95
13) 1,2-Dichlorobenzene	10.54	146	276991	20.13	ul/l	98
14) 2-Methylphenol	10.97	108	286120	21.56	ul/l	98
15) bis(2-chloroisopropyl)ethe	10.93	45	843929m	32.71	ul/l	
16) 3&4-Methylphenol	11.36	108	294502	20.41	ul/l	91
17) N-Nitroso-di-n-propylamine	11.29	70	291635	25.90	ul/l	90
18) Hexachloroethane	11.27	117	139188	21.95	ul/l	91
21) Nitrobenzene	11.59	77	393347	26.89	ul/l	# 73
22) Isophorone	12.18	82	766291	25.39	ul/l	85
23) 2-Nitrophenol	12.39	139	158274	17.64	ul/l	# 64
24) 2,4-Dimethylphenol	12.63	107	280561	23.66	ul/l	91
25) Benzoic Acid	13.11	122	73607m	19.69	ul/l	
26) bis(2-Chloroethoxy)methane	12.84	93	443732	22.92	ul/l	97
27) 2,4-Dichlorophenol	13.02	162	191663	18.79	ul/l	90
28) 1,2,4-Trichlorobenzene	13.17	180	209113	22.00	ul/l	97
29) Naphthalene	13.31	128	761989	21.77	ul/l	99
30) 4-Chloroaniline	13.59	127	314912	17.72	ul/l	96
31) Hexachlorobutadiene	13.79	225	109000	29.55	ul/l	99
32) 4-Chloro-3-methylphenol	14.93	107	241679	21.75	ul/l	94
33) 2-Methylnaphthalene	15.06	142	423440	19.23	ul/l	100

(#) = qualifier out of range (m) = manual integration
 F5829.D SVF80717.M Fri Aug 18 11:37:43 2006

Data File : E:\F\DATA\JUL06\F0725\F5829.D
 Acq On : 25 Jul 2006 14:05
 Sample : SST020
 Misc :

Vial: 27
 Operator: JOSE
 Inst : HP5971AF
 Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Jul 25 16:23 2006

Quant Results File: SVF80717.RES

Quant Method : E:\F\METHODS\SVF80717.M (RTE Integrator)

Title : SEMI-VOA 8270 CALIBRATION HP5971AF

Last Update : Tue Jul 18 08:37:56 2006

Response via : Initial Calibration

DataAcq Meth : SVF80717

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
35) Hexachlorocyclopentadiene	15.66	237	30499m	11.13	ul/l	
36) 2,4,6-Trichlorophenol	15.93	196	132054	21.78	ul/l	97
37) 2,4,5-Trichlorophenol	16.04	196	137965	21.26	ul/l	97
39) 2-Chloronaphthalene	16.30	162	396583	19.80	ul/l	94
40) 2-Nitroaniline	16.75	65	158981	19.09	ul/l #	59
41) Dimethylphthalate	17.33	163	478437	21.67	ul/l	99
42) Acenaphthylene	17.37	152	639039	20.21	ul/l	98
43) 3-Nitroaniline	17.83	138	134419	15.75	ul/l #	71
44) Acenaphthene	17.86	153	359828	19.54	ul/l	99
45) 2,4-Dinitrophenol	18.11	184	43045	18.15	ul/l #	73
46) 4-Nitrophenol	18.41	109	36170m	17.20	ul/l	
47) Dibenzofuran	18.26	168	518580	19.92	ul/l	92
48) 2,6-Dinitrotoluene	17.49	165	115093	16.75	ul/l	81
49) 2,4-Dinitrotoluene	18.49	165	142263	16.63	ul/l #	69
50) Diethylphthalate	19.12	149	498131m	23.54	ul/l	
51) 4-Chlorophenyl-phenylether	19.18	204	178179	24.53	ul/l	99
52) Fluorene	19.14	166	437616	23.30	ul/l	97
53) 4-Nitroaniline	19.43	138	115014	14.84	ul/l	89
56) 4,6-Dinitro-2-methylphenol	19.52	198	80131	23.51	ul/l	100
57) Carbazole	22.18	167	436576	15.77	ul/l	94
58) n-Nitrosodiphenylamine	19.55	169	329917	19.56	ul/l	96
59) 1,2-Diphenylhydrazine	19.58	77	666589	20.46	ul/l	65
60) Azobenzene	19.58	77	666589	20.46	ul/l	65
61) 4-Bromophenyl-phenylether	20.42	248	104260	22.57	ul/l	93
62) Hexachlorobenzene	20.75	284	134337	25.65	ul/l	92
63) Pentachlorophenol	21.27	266	51154	16.89	ul/l	95
64) Phenanthrene	21.58	178	495045	17.72	ul/l	99
65) Anthracene	21.69	178	484443	17.40	ul/l	99
66) Di-n-butylphthalate	23.26	149	709600	14.87	ul/l	99
67) Fluoranthene	24.63	202	461299	18.04	ul/l	91
69) Benzidine	25.06	184	225708m	11.02	ul/l	
70) Pyrene	25.20	202	483956	14.57	ul/l	100
72) Butylbenzylphthalate	27.05	149	321796	12.72	ul/l	87
73) 3,3'-Dichlorobenzidine	28.31	252	192729	20.76	ul/l	99
74) Benzo[a]anthracene	28.27	228	463242	16.59	ul/l	99
75) bis(2-Ethylhexyl)phthalate	28.55	149	452452	13.80	ul/l	100
76) Chrysene	28.40	228	463652	19.18	ul/l	98
78) Di-n-octylphthalate	30.01	149	816503m	14.13	ul/l	
79) Benzo[b]fluoranthene	30.88	252	488858m	18.92	ul/l	
80) Benzo[k]fluoranthene	30.94	252	450337	20.97	ul/l	96
81) Benzo[a]pyrene	31.59	252	431574	18.61	ul/l	97
82) Indeno[1,2,3-cd]pyrene	33.90	276	486014	21.33	ul/l	81
83) Dibenz[a,h]anthracene	33.91	278	401307	21.44	ul/l	91
84) Benzo[g,h,i]perylene	34.45	276	402444	20.63	ul/l	94

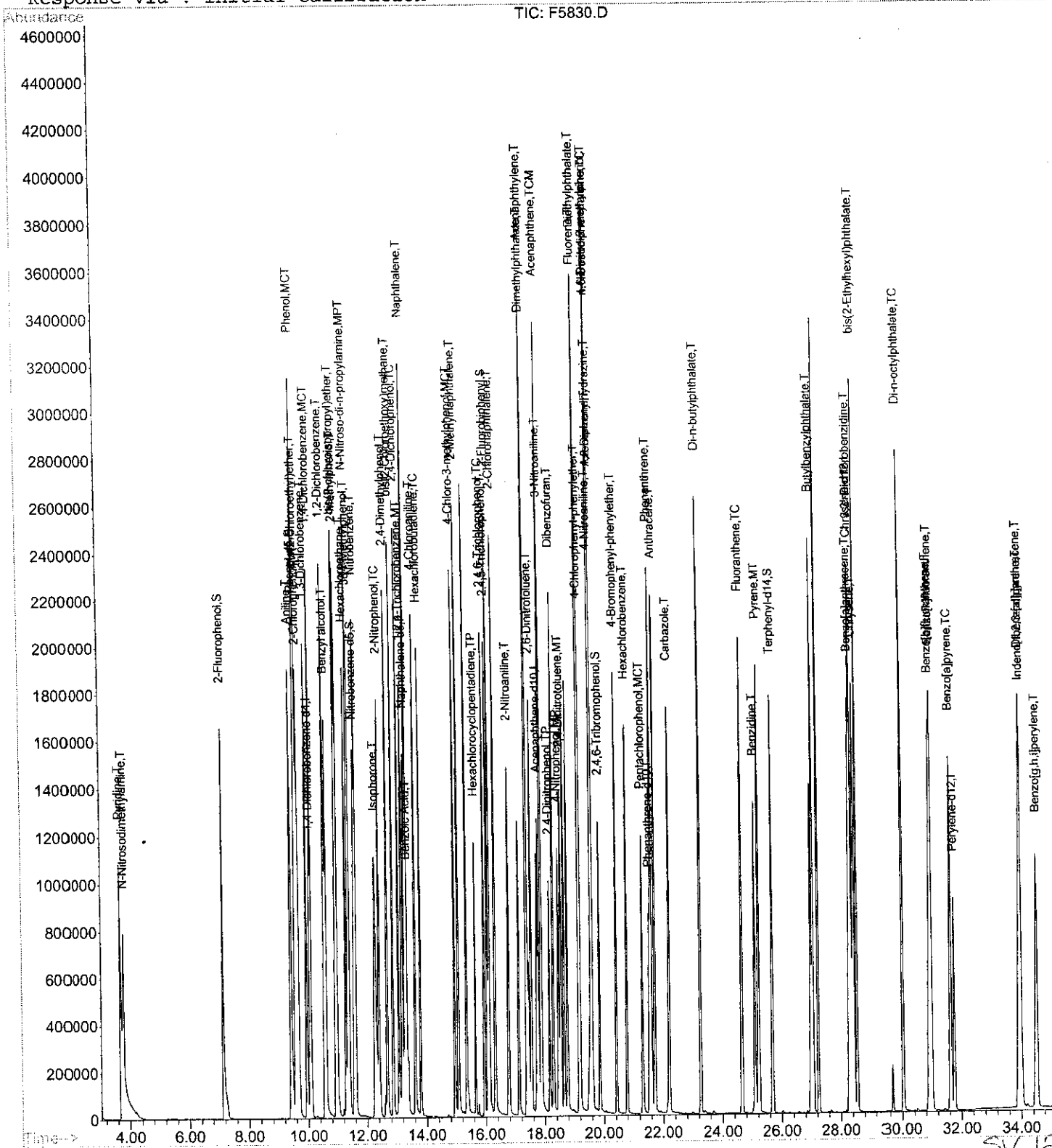
Quantitation Report

Data File : E:\F\DATA\JUL06\F0725\F5830.D
Acq On : 25 Jul 2006 14:51
Sample : SSTD080
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 25 16:33 2006

Vial: 28
Operator: JOSE
Inst : HP5971AF
Multiplr: 1.00

Quant Results File: SVF80717.RES

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Method      : E:\F\METHODS\SVF80717.M (RTE Integrator)
Title       : SEMI-VOA 8270 CALIBRATION HP5971AF
Last Update : Tue Jul 18 08:37:56 2006
Response via : Initial Calibration
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Data File : E:\F\DATA\JUL06\F0725\F5830.D

Vial: 28

Acq On : 25 Jul 2006 14:51

Operator: JOSE

Sample : SST080

Inst : HP5971AF

Misc :

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Jul 25 16:33 2006

Quant Results File: SVF80717.RES

Quant Method : E:\F\METHODS\SVF80717.M (RTE Integrator)

Title : SEMI-VOA 8270 CALIBRATION HP5971AF

Last Update : Tue Jul 18 08:37:56 2006

Response via : Initial Calibration

DataAcq Meth : SVF80717

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.06	152	404093	40.00	ul/l	-0.16
19) Naphthalene-d8	13.28	136	1526970	40.00	ul/l	-0.16
34) Acenaphthene-d10	17.80	164	713203	40.00	ul/l	-0.18
55) Phenanthrene-d10	21.56	188	931227	40.00	ul/l	-0.17
68) Chrysene-d12	28.37	240	874711	40.00	ul/l	-0.17
77) Perylene-d12	31.77	264	797210	40.00	ul/l	-0.17

System Monitoring Compounds

4) 2-Fluorophenol	7.13	112	1290524	89.86	ul/l	-0.10
Spiked Amount	200.000	Range	21 - 100	Recovery	=	44.93%
6) Phenol-d5	9.57	99	1775461	93.29	ul/l	-0.05
Spiked Amount	200.000	Range	10 - 94	Recovery	=	46.65%
20) Nitrobenzene-d5	11.59	82	1643551	102.74	ul/l	-0.09
Spiked Amount	100.000	Range	35 - 114	Recovery	=	102.74%
38) 2-Fluorobiphenyl	16.14	172	1961799	88.67	ul/l	-0.16
Spiked Amount	100.000	Range	43 - 116	Recovery	=	88.67%
54) 2,4,6-Tribromophenol	19.88	330	299313	124.26	ul/l	-0.21
Spiked Amount	200.000	Range	10 - 123	Recovery	=	62.13%
71) Terphenyl-d14	25.72	244	1643185	72.59	ul/l	-0.16
Spiked Amount	100.000	Range	33 - 141	Recovery	=	72.59%

Target Compounds

						Qvalue
2) Pyridine	3.69	79	1273465	99.35	ul/l	# 65
3) N-Nitrosodimethylamine	3.80	74	1007182	81.08	ul/l	84
5) Aniline	9.43	93	2484257	95.74	ul/l	85
7) Phenol	9.61	94	2081406m	95.18	ul/l	
8) bis(2-Chloroethyl)ether	9.64	93	1753741	93.84	ul/l	94
9) 2-Chlorophenol	9.68	128	1316219	78.52	ul/l	# 81
10) 1,3-Dichlorobenzene	9.95	146	1249603	79.09	ul/l	98
11) 1,4-Dichlorobenzene	10.11	146	1257877	78.14	ul/l	99
12) Benzyl alcohol	10.63	79	1306972	96.92	ul/l	91
13) 1,2-Dichlorobenzene	10.56	146	1198183	77.61	ul/l	99
14) 2-Methylphenol	10.99	108	1269696	85.26	ul/l	98
15) bis(2-chloroisopropyl)ethe	10.94	45	3249422m	112.23	ul/l	
16) 3&4-Methylphenol	11.41	108	1355906	83.72	ul/l	91
17) N-Nitroso-di-n-propylamine	11.37	70	1216157	96.24	ul/l	93
18) Hexachloroethane	11.28	117	606467	85.23	ul/l	90
21) Nitrobenzene	11.64	77	1654967	100.44	ul/l	# 75
22) Isophorone	12.28	82	3292934m	96.87	ul/l	
23) 2-Nitrophenol	12.43	139	755101	74.69	ul/l	# 69
24) 2,4-Dimethylphenol	12.69	107	1232357	92.28	ul/l	92
25) Benzoic Acid	13.35	122	533360m	126.66	ul/l	
26) bis(2-Chloroethoxy)methane	12.87	93	1975072	90.56	ul/l	96
27) 2,4-Dichlorophenol	13.07	162	944420	82.22	ul/l	94
28) 1,2,4-Trichlorobenzene	13.19	180	973716	90.93	ul/l	98
29) Naphthalene	13.33	128	3242281	82.25	ul/l	100
30) 4-Chloroaniline	13.63	127	1520567	75.96	ul/l	98
31) Hexachlorobutadiene	13.80	225	467695	112.57	ul/l	99
32) 4-Chloro-3-methylphenol	14.96	107	1130415	90.33	ul/l	99
33) 2-Methylnaphthalene	15.09	142	1911099	77.04	ul/l	98

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

F5830.D SVF80717.M

Fri Aug 18 11:37:51 2006

SV-124

Data File : E:\F\DATA\JUL06\F0725\F5830.D

Vial: 28

Acq On : 25 Jul 2006 14:51

Operator: JOSE

Sample : SSTD080

Inst : HP5971AF

Misc :

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Jul 25 16:33 2006

Quant Results File: SVF80717.RES

Quant Method : E:\F\METHODS\SVF80717.M (RTE Integrator)

Title : SEMI-VOA 8270 CALIBRATION HP5971AF

Last Update : Tue Jul 18 08:37:56 2006

Response via : Initial Calibration

DataAcq Meth : SVF80717

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
35) Hexachlorocyclopentadiene	15.66	237	338263	108.37	ul/l	98
36) 2,4,6-Trichlorophenol	15.96	196	645466	93.46	ul/l	99
37) 2,4,5-Trichlorophenol	16.07	196	697824	94.39	ul/l	99
39) 2-Chloronaphthalene	16.34	162	1847665	80.98	ul/l	96
40) 2-Nitroaniline	16.80	65	851957	89.79	ul/l #	56
41) Dimethylphthalate	17.42	163	1900312	75.56	ul/l	100
42) Acenaphthylene	17.41	152	2654371	73.69	ul/l	98
43) 3-Nitroaniline	17.92	138	638309	65.66	ul/l #	76
44) Acenaphthene	17.91	153	1627860	77.59	ul/l	98
45) 2,4-Dinitrophenol	18.18	184	319934m	118.44	ul/l	
46) 4-Nitrophenol	18.48	109	239650m	100.01	ul/l	
47) Dibenzofuran	18.31	168	2450244	82.61	ul/l	91
48) 2,6-Dinitrotoluene	17.56	165	563651	71.99	ul/l	80
49) 2,4-Dinitrotoluene	18.58	165	727697	74.67	ul/l #	64
50) Diethylphthalate	19.20	149	1705760	70.74	ul/l	96
51) 4-Chlorophenyl-phenylether	19.23	204	822148	99.35	ul/l	97
52) Fluorene	19.19	166	1667993	77.96	ul/l	98
53) 4-Nitroaniline	19.58	138	609888	69.09	ul/l	82
56) 4,6-Dinitro-2-methylphenol	19.62	198	422239	117.18	ul/l	100
57) Carbazole	22.22	167	2121082	72.47	ul/l	93
58) n-Nitrosodiphenylamine	19.63	169	1509877	84.69	ul/l	96
59) 1,2-Diphenylhydrazine	19.64	77	3037743	88.21	ul/l	71
60) Azobenzene	19.64	77	3037743	88.21	ul/l	71
61) 4-Bromophenyl-phenylether	20.44	248	524340	107.36	ul/l	90
62) Hexachlorobenzene	20.80	284	641191	115.83	ul/l	90
63) Pentachlorophenol	21.31	266	371821	116.17	ul/l	99
64) Phenanthrene	21.63	178	2495689	84.53	ul/l	99
65) Anthracene	21.75	178	2417440	82.16	ul/l	98
66) Di-n-butylphthalate	23.28	149	3476109	68.89	ul/l	99
67) Fluoranthene	24.67	202	2400242	88.82	ul/l	94
69) Benzidine	25.11	184	1440023	59.00	ul/l	100
70) Pyrene	25.25	202	2427959	61.35	ul/l	97
72) Butylbenzylphthalate	27.08	149	1573982	52.20	ul/l	81
73) 3,3'-Dichlorobenzidine	28.38	252	985429	89.08	ul/l	97
74) Benzo[a]anthracene	28.33	228	2303239	69.20	ul/l	98
75) bis(2-Ethylhexyl)phthalate	28.58	149	1959675	50.16	ul/l	98
76) Chrysene	28.47	228	2203427	76.47	ul/l	98
78) Di-n-octylphthalate	30.05	149	3612778m	58.30	ul/l	
79) Benzo[b]fluoranthene	30.98	252	2508506m	90.56	ul/l	
80) Benzo[k]fluoranthene	31.02	252	2190743m	95.15	ul/l	
81) Benzo[a]pyrene	31.66	252	2141066	86.13	ul/l	98
82) Indeno[1,2,3-cd]pyrene	34.03	276	2324457	95.14	ul/l	89
83) Dibenz[a,h]anthracene	34.02	278	2041287	101.71	ul/l	94
84) Benzo[g,h,i]perylene	34.56	276	1904833	91.08	ul/l	94

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

F5830.D SVF80717.M

Fri Aug 18 11:37:52 2006

SV-125

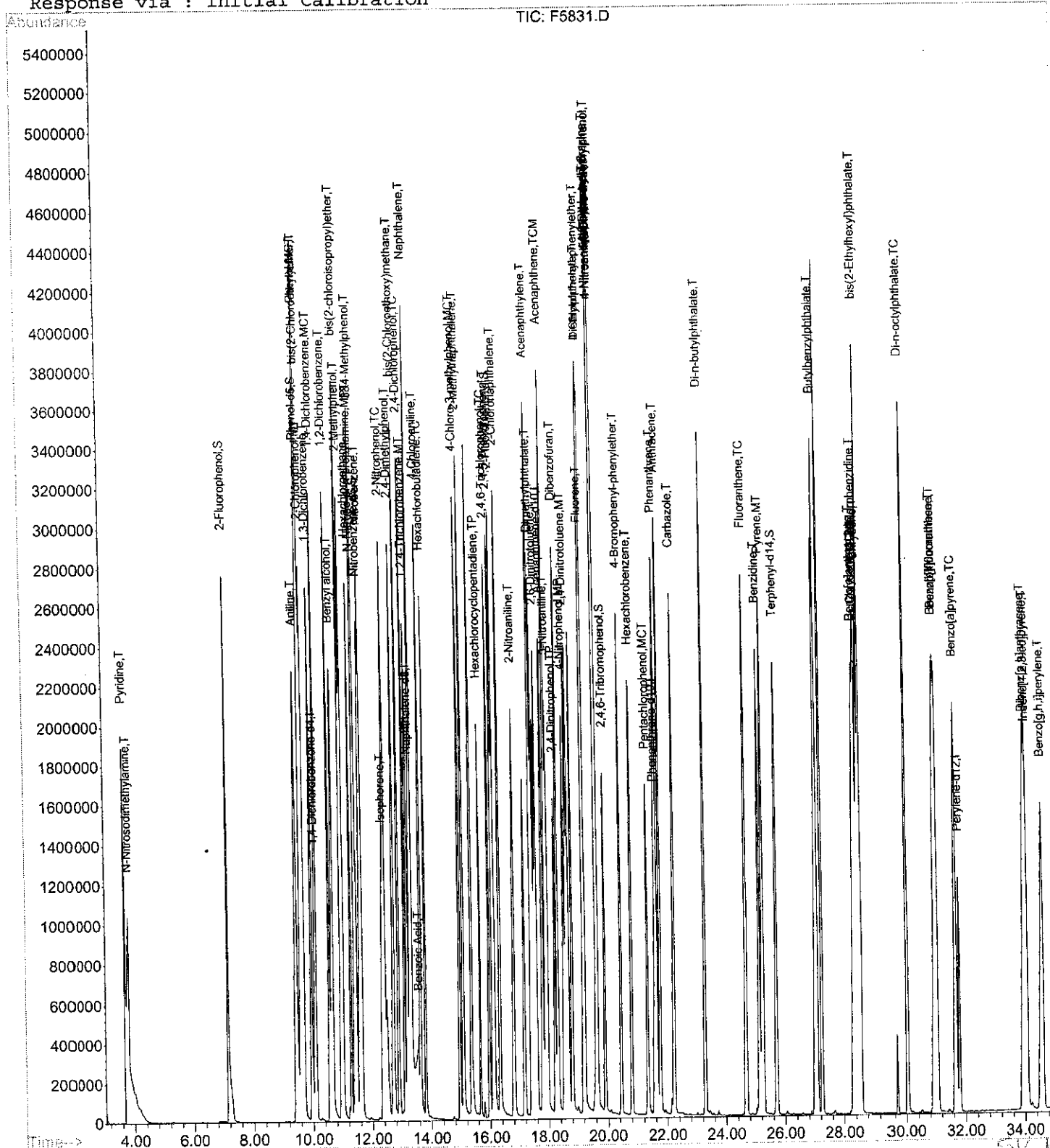
Quantitation Report

Data File : E:\F\DATA\JUL06\F0725\F5831.D
 Acq On : 25 Jul 2006 15:36
 Sample : SSTD120
 Misc :
 MS Integration Params: rteint.p
 Quant Time: Jul 25 16:32 2006

Vial: 29
 Operator: JOSE
 Inst : HP5971AF
 Multiplr: 1.00

Quant Results File: SVF80717.RES

Method : E:\F\METHODS\SVF80717.M (RTE Integrator)
 Title : SEMI-VOA 8270 CALIBRATION HP5971AF
 Last Update : Tue Jul 18 08:37:56 2006
 Response via : Initial Calibration



Data File : E:\F\DATA\JUL06\F0725\F5831.D
 Acq On : 25 Jul 2006 15:36
 Sample : SSTD120
 Misc :

Vial: 29
 Operator: JOSE
 Inst : HP5971AF
 Multiplr: 1.00

MS Integration Params: rteint.p
 Quant Time: Jul 25 16:32 2006

Quant Results File: SVF80717.RES

Quant Method : E:\F\METHODS\SVF80717.M (RTE Integrator)
 Title : SEMI-VOA 8270 CALIBRATION HP5971AF
 Last Update : Tue Jul 18 08:37:56 2006
 Response via : Initial Calibration
 DataAcq Meth : SVF80717

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.07	152	481418	40.00	ul/l	-0.15
19) Naphthalene-d8	13.30	136	1855970	40.00	ul/l	-0.15
34) Acenaphthene-d10	17.82	164	903721	40.00	ul/l	-0.15
55) Phenanthrene-d10	21.60	188	1171528	40.00	ul/l	-0.12
68) Chrysene-d12	28.42	240	970968	40.00	ul/l	-0.13
77) Perylene-d12	31.82	264	1071083	40.00	ul/l	-0.12

System Monitoring Compounds

4) 2-Fluorophenol	7.16	112	2324124	135.84	ul/l	-0.07
Spiked Amount	200.000	Range	21 - 100	Recovery	=	67.92%
6) Phenol-d5	9.61	99	3057796	134.86	ul/l	-0.01
Spiked Amount	200.000	Range	10 - 94	Recovery	=	67.43%
20) Nitrobenzene-d5	11.63	82	2839264	146.02	ul/l	-0.05
Spiked Amount	100.000	Range	35 - 114	Recovery	=	146.02%#
38) 2-Fluorobiphenyl	16.18	172	3278429	116.95	ul/l	-0.12
Spiked Amount	100.000	Range	43 - 116	Recovery	=	116.95%#
54) 2,4,6-Tribromophenol	19.93	330	543457	178.06	ul/l	-0.16
Spiked Amount	200.000	Range	10 - 123	Recovery	=	89.03%
71) Terphenyl-d14	25.74	244	2898007	115.33	ul/l	-0.13
Spiked Amount	100.000	Range	33 - 141	Recovery	=	115.33%

Target Compounds						Qvalue
2) Pyridine	3.70	79	2066595	135.33	ul/l #	70
3) N-Nitrosodimethylamine	3.82	74	1896819	128.17	ul/l #	81
5) Aniline	9.46	93	4511194	145.93	ul/l	85
7) Phenol	9.65	94	3220289m	123.61	ul/l	
8) bis(2-Chloroethyl)ether	9.67	93	2712897	121.84	ul/l	95
9) 2-Chlorophenol	9.71	128	2229863	111.66	ul/l	83
10) 1,3-Dichlorobenzene	9.97	146	2043077	108.55	ul/l	98
11) 1,4-Dichlorobenzene	10.12	146	1981888	103.35	ul/l	98
12) Benzyl alcohol	10.69	79	2369343	147.48	ul/l	91
13) 1,2-Dichlorobenzene	10.57	146	1934536	105.18	ul/l	99
14) 2-Methylphenol	11.04	108	2278960	128.45	ul/l	98
15) bis(2-chloroisopropyl)ethe	10.97	45	5170025	149.88	ul/l	73
16) 3&4-Methylphenol	11.46	108	2355672	122.09	ul/l	91
17) N-Nitroso-di-n-propylamine	11.42	70	2099028m	139.42	ul/l	
18) Hexachloroethane	11.30	117	1007431	118.83	ul/l	91
21) Nitrobenzene	11.69	77	2838069	141.70	ul/l #	78
22) Isophorone	12.38	82	5890463m	142.57	ul/l	
23) 2-Nitrophenol	12.45	139	1480277	120.47	ul/l #	72
24) 2,4-Dimethylphenol	12.76	107	2211963	136.27	ul/l	93
25) Benzoic Acid	13.59	122	1085679m	212.13	ul/l	
26) bis(2-Chloroethoxy)methane	12.92	93	3522868	132.89	ul/l	96
27) 2,4-Dichlorophenol	13.12	162	1640421	117.49	ul/l	94
28) 1,2,4-Trichlorobenzene	13.21	180	1692426	130.04	ul/l	97
29) Naphthalene	13.37	128	5304821	110.72	ul/l	100
30) 4-Chloroaniline	13.67	127	2737865	112.52	ul/l	97
31) Hexachlorobutadiene	13.82	225	748568	148.24	ul/l	99
32) 4-Chloro-3-methylphenol	15.00	107	1998134	131.37	ul/l	99
33) 2-Methylnaphthalene	15.12	142	3190841	105.83	ul/l	98

(#) = qualifier out of range (m) = manual integration
 F5831.D SVF80717.M Fri Aug 18 11:38:00 2006

SV-107

Data File : E:\F\DATA\JUL06\F0725\F5831.D
 Acq On : 25 Jul 2006 15:36
 Sample : SSTD120
 Misc :

Vial: 29
 Operator: JOSE
 Inst : HP5971AF
 Multiplr: 1.00

MS Integration Params: rteint.p
 Quant Time: Jul 25 16:32 2006

Quant Results File: SVF80717.RES

Quant Method : E:\F\METHODS\SVF80717.M (RTE Integrator)
 Title : SEMI-VOA 8270 CALIBRATION HP5971AF
 Last Update : Tue Jul 18 08:37:56 2006
 Response via : Initial Calibration
 DataAcq Meth : SVF80717

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
35) Hexachlorocyclopentadiene	15.68	237	705459	178.36	ul/l	98
36) 2,4,6-Trichlorophenol	16.00	196	1123266	128.35	ul/l	99
37) 2,4,5-Trichlorophenol	16.11	196	1171572	125.06	ul/l	97
39) 2-Chloronaphthalene	16.37	162	3178367	109.93	ul/l	97
40) 2-Nitroaniline	16.84	65	1604378	133.44	ul/l #	56
41) Dimethylphthalate	17.50	163	3593666	112.77	ul/l	99
42) Acenaphthylene	17.45	152	4657642	102.05	ul/l	99
43) 3-Nitroaniline	18.00	138	1177724	95.61	ul/l #	74
44) Acenaphthene	17.95	153	2760995	103.86	ul/l	98
45) 2,4-Dinitrophenol	18.24	184	702290m	205.18	ul/l	
46) 4-Nitrophenol	18.56	109	469993m	154.79	ul/l	
47) Dibenzofuran	18.35	168	4307217	114.60	ul/l	89
48) 2,6-Dinitrotoluene	17.63	165	1103746	111.26	ul/l	87
49) 2,4-Dinitrotoluene	18.65	165	1354792	109.71	ul/l	70
50) Diethylphthalate	19.27	149	2269419	74.28	ul/l	95
51) 4-Chlorophenyl-phenylether	19.27	204	1043941	99.56	ul/l	97
52) Fluorene	19.20	166	2636515	97.25	ul/l	97
53) 4-Nitroaniline	19.66	138	910215	81.38	ul/l	81
56) 4,6-Dinitro-2-methylphenol	19.68	198	678346	149.65	ul/l	100
57) Carbazole	22.27	167	4047947	109.93	ul/l	93
58) n-Nitrosodiphenylamine	19.64	169	2253033	100.45	ul/l	96
59) 1,2-Diphenylhydrazine	19.63	77	4414688	101.90	ul/l #	51
60) Azobenzene	19.63	77	4414688	101.90	ul/l #	51
61) 4-Bromophenyl-phenylether	20.48	248	932730	151.81	ul/l	89
62) Hexachlorobenzene	20.84	284	1128314	162.02	ul/l	88
63) Pentachlorophenol	21.36	266	736128	182.81	ul/l	98
64) Phenanthrene	21.68	178	4461388	120.11	ul/l	99
65) Anthracene	21.80	178	4270585	115.37	ul/l	98
66) Di-n-butylphthalate	23.31	149	6037929	95.11	ul/l	99
67) Fluoranthene	24.71	202	4350369	127.96	ul/l	94
69) Benzidine	25.16	184	3001185	110.77	ul/l	100
70) Pyrene	25.29	202	4533528	103.21	ul/l	97
72) Butylbenzylphthalate	27.12	149	2624009	78.40	ul/l	80
73) 3,3'-Dichlorobenzidine	28.45	252	1584461	129.03	ul/l	98
74) Benzo[a]anthracene	28.38	228	4238866	114.73	ul/l	98
75) bis(2-Ethylhexyl)phthalate	28.60	149	3241745	74.76	ul/l	97
76) Chrysene	28.53	228	3765726	117.74	ul/l	98
78) Di-n-octylphthalate	30.06	149	6031627	72.45	ul/l	99
79) Benzo[b]fluoranthene	31.03	252	4832715m	129.86	ul/l	
80) Benzo[k]fluoranthene	31.04	252	3853735m	124.58	ul/l	
81) Benzo[a]pyrene	31.72	252	4082158	122.22	ul/l	99
82) Indeno[1,2,3-cd]pyrene	34.12	276	4324085	131.73	ul/l	92
83) Dibenzo[a,h]anthracene	34.04	278	3760626	139.46	ul/l	96
84) Benzo[g,h,i]perylene	34.64	276	3792773	134.97	ul/l	98

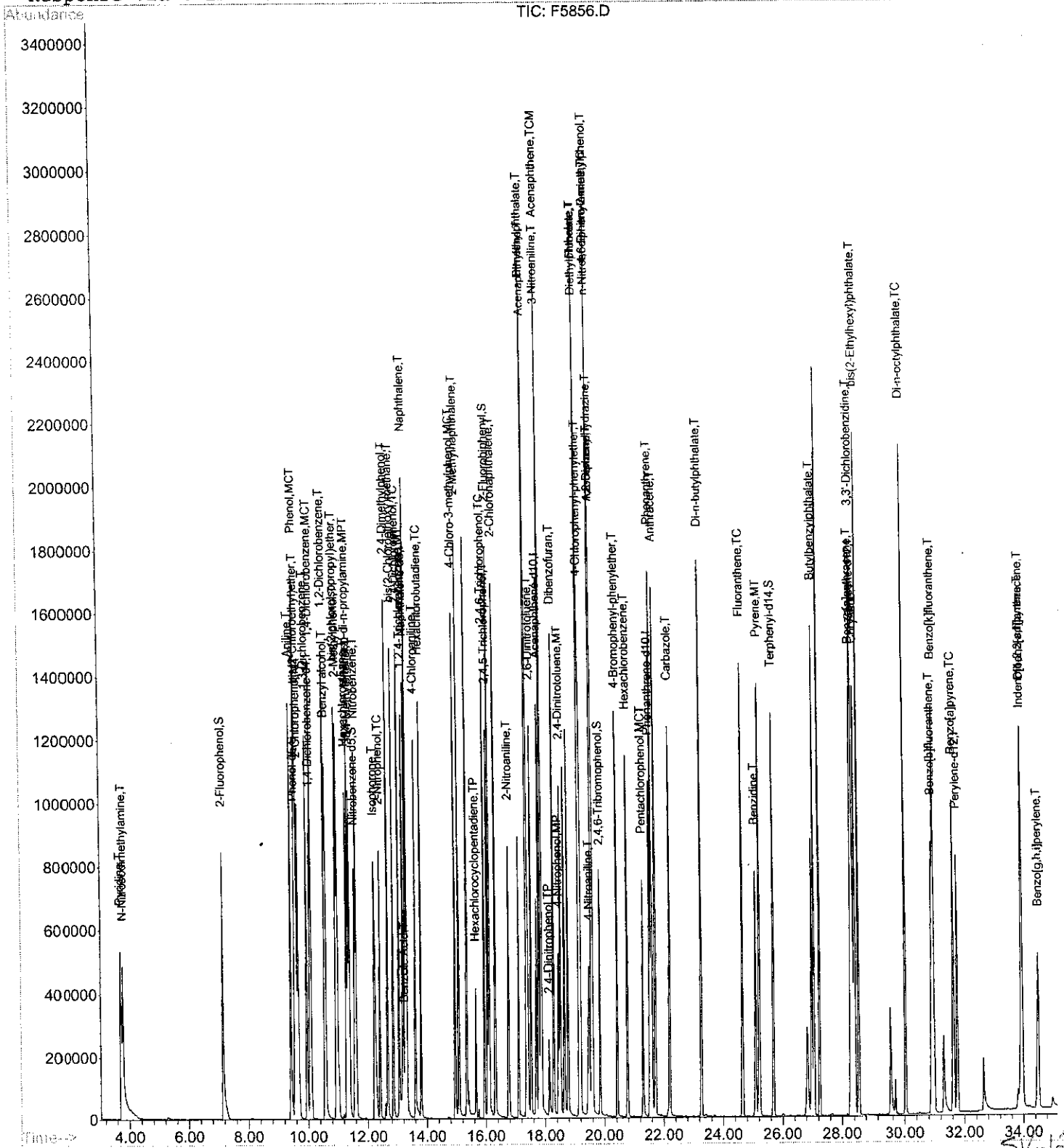
Quantitation Report

Data File : E:\F\DATA\JUL06\F0731\F5856.D
Acq On : 31 Jul 2006 10:39
Sample : SSTD050
Misc :
MS Integration Params: rteint.p
Quant Time: Jul 31 11:16 2006

Vial: 25
Operator: JOSE
Inst : HP5971AF
Multiplr: 1.00

Quant Results File: SVF80725.RES

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Method      : E:\F\METHODS\SVF80725.M (RTE Integrator)
Title       : SEMI-VOA 8270 CALIBRATION  HP5971AF
Last Update  : Wed Aug 02 11:13:45 2006
Response via : Initial Calibration
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Data File : E:\F\DATA\JUL06\F0731\F5856.D
 Acq On : 31 Jul 2006 10:39
 Sample : SSTD050
 Misc :

Vial: 25
 Operator: JOSE
 Inst : HP5971AF
 Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Jul 31 11:16 2006

Quant Results File: SVF80725.RES

Quant Method : E:\F\METHODS\SVF80725.M (RTE Integrator)

Title : SEMI-VOA 8270 CALIBRATION HP5971AF

Last Update : Tue Jul 25 16:35:06 2006

Response via : Initial Calibration

DataAcq Meth : SVF80725

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.07	152	305404	40.00	ul/l	-0.15
19) Naphthalene-d8	13.27	136	1240576	40.00	ul/l	-0.17
34) Acenaphthene-d10	17.80	164	670148	40.00	ul/l	-0.18
55) Phenanthrene-d10	21.55	188	961516	40.00	ul/l	-0.18
68) Chrysene-d12	28.37	240	855485	40.00	ul/l	-0.17
77) Perylene-d12	31.77	264	673629	40.00	ul/l	-0.17

System Monitoring Compounds

4) 2-Fluorophenol	7.14	112	620567	51.25	ul/l	-0.09
Spiked Amount	200.000	Range	21 - 100	Recovery	=	25.62%
6) Phenol-d5	9.56	99	810075	48.82	ul/l	-0.07
Spiked Amount	200.000	Range	10 - 94	Recovery	=	24.41%
20) Nitrobenzene-d5	11.57	82	719983	43.52	ul/l	-0.11
Spiked Amount	100.000	Range	35 - 114	Recovery	=	43.52%
38) 2-Fluorobiphenyl	16.13	172	1159047	52.62	ul/l	-0.17
Spiked Amount	100.000	Range	43 - 116	Recovery	=	52.62%
54) 2,4,6-Tribromophenol	19.87	330	169285	50.53	ul/l	-0.22
Spiked Amount	200.000	Range	10 - 123	Recovery	=	25.26%
71) Terphenyl-d14	25.71	244	966538	48.40	ul/l	-0.16
Spiked Amount	100.000	Range	33 - 141	Recovery	=	48.40%

Target Compounds						Qvalue
2) Pyridine	3.71	79	651101	56.02	ul/l	# 68
3) N-Nitrosodimethylamine	3.79	74	557510	54.91	ul/l	# 75
5) Aniline	9.42	93	1147829	48.50	ul/l	83
7) Phenol	9.60	94	1046422	54.98	ul/l	75
8) bis(2-Chloroethyl)ether	9.62	93	829853	51.75	ul/l	87
9) 2-Chlorophenol	9.67	128	598117	48.95	ul/l	88
10) 1,3-Dichlorobenzene	9.95	146	606752	52.77	ul/l	98
11) 1,4-Dichlorobenzene	10.11	146	659567	56.63	ul/l	98
12) Benzyl alcohol	10.60	79	611035	48.48	ul/l	89
13) 1,2-Dichlorobenzene	10.56	146	641441	57.87	ul/l	98
14) 2-Methylphenol	11.00	108	598352	49.18	ul/l	99
15) bis(2-chloroisopropyl)ethe	10.94	45	1618812	52.39	ul/l	68
16) 3&4-Methylphenol	11.39	108	640018	50.13	ul/l	91
17) N-Nitroso-di-n-propylamine	11.34	70	574739	49.26	ul/l	91
18) Hexachloroethane	11.28	117	299203	53.25	ul/l	88
21) Nitrobenzene	11.62	77	769497	45.48	ul/l	# 78
22) Isophorone	12.22	82	1498576	44.15	ul/l	87
23) 2-Nitrophenol	12.42	139	347779	43.88	ul/l	78
24) 2,4-Dimethylphenol	12.67	107	635041	49.99	ul/l	94
25) Benzoic Acid	13.24	122	173037m	31.92	ul/l	
26) bis(2-Chloroethoxy)methane	12.87	93	989103	48.93	ul/l	97
27) 2,4-Dichlorophenol	13.06	162	485989	51.79	ul/l	93
28) 1,2,4-Trichlorobenzene	13.19	180	500900	51.49	ul/l	96
29) Naphthalene	13.32	128	1778946	54.85	ul/l	100
30) 4-Chloroaniline	13.62	127	761316	49.13	ul/l	98
31) Hexachlorobutadiene	13.81	225	267257	57.37	ul/l	99
32) 4-Chloro-3-methylphenol	14.96	107	605868	52.86	ul/l	99
33) 2-Methylnaphthalene	15.09	142	1087126	56.84	ul/l	98

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

F5856.D SVF80725.M Tue Aug 08 14:33:07 2006

Data File : E:\F\DATA\JUL06\F0731\F5856.D
 Acq On : 31 Jul 2006 10:39
 Sample : SST050
 Misc :
 MS Integration Params: rteint.p
 Quant Time: Jul 31 11:16 2006

Vial: 25
 Operator: JOSE
 Inst : HP5971AF
 Multiplr: 1.00

Quant Results File: SVF80725.RES

Quant Method : E:\F\METHODS\SVF80725.M (RTE Integrator)
 Title : SEMI-VOA 8270 CALIBRATION HP5971AF
 Last Update : Tue Jul 25 16:35:06 2006
 Response via : Initial Calibration
 DataAcq Meth : SVF80725

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
35) Hexachlorocyclopentadiene	15.66	237	108840	28.75	ul/l	99
36) 2,4,6-Trichlorophenol	15.96	196	354678	48.65	ul/l	99
37) 2,4,5-Trichlorophenol	16.06	196	386440	50.68	ul/l	98
39) 2-Chloronaphthalene	16.33	162	1055221	50.70	ul/l	95
40) 2-Nitroaniline	16.79	65	418508	42.54	ul/l #	64
41) Dimethylphthalate	17.38	163	1257589	54.06	ul/l	100
42) Acenaphthylene	17.40	152	1750451	56.38	ul/l	98
43) 3-Nitroaniline	17.88	138	402512	54.03	ul/l #	76
44) Acenaphthene	17.89	153	1005808	54.41	ul/l	98
45) 2,4-Dinitrophenol	18.14	184	89460	23.46	ul/l #	53
46) 4-Nitrophenol	18.46	109	109989m	40.17	ul/l	
47) Dibenzofuran	18.30	168	1434173	51.48	ul/l	92
48) 2,6-Dinitrotoluene	17.53	165	331413	49.43	ul/l	81
49) 2,4-Dinitrotoluene	18.54	165	426727	51.18	ul/l #	68
50) Diethylphthalate	19.17	149	1271068	64.34	ul/l	97
51) 4-Chlorophenyl-phenylether	19.21	204	543193	63.36	ul/l	99
52) Fluorene	19.18	166	1181919	60.37	ul/l	97
53) 4-Nitroaniline	19.51	138	337497	53.28	ul/l	90
56) 4,6-Dinitro-2-methylphenol	19.59	198	217175	42.96	ul/l	100
57) Carbazole	22.21	167	1281816	48.14	ul/l	94
58) n-Nitrosodiphenylamine	19.60	169	992176	56.37	ul/l	98
59) 1,2-Diphenylhydrazine	19.62	77	2029879	57.78	ul/l	74
60) Azobenzene	19.62	77	2029879	57.78	ul/l	74
61) 4-Bromophenyl-phenylether	20.45	248	310384	48.42	ul/l	91
62) Hexachlorobenzene	20.79	284	384540	48.69	ul/l	93
63) Pentachlorophenol	21.30	266	187284	41.86	ul/l	99
64) Phenanthrene	21.62	178	1517510	50.09	ul/l	99
65) Anthracene	21.73	178	1456762	50.08	ul/l	99
66) Di-n-butylphthalate	23.29	149	2128381	50.94	ul/l	99
67) Fluoranthene	24.66	202	1402436	48.24	ul/l	91
69) Benzidine	25.10	184	787109	42.11	ul/l	100
70) Pyrene	25.24	202	1487742	48.75	ul/l	100
72) Butylbenzylphthalate	27.08	149	830909	44.25	ul/l	83
73) 3,3'-Dichlorobenzidine	28.36	252	550134	46.82	ul/l	98
74) Benzo[a]anthracene	28.32	228	1400329	48.27	ul/l	99
75) bis(2-Ethylhexyl)phthalate	28.57	149	1213709	50.21	ul/l	99
76) Chrysene	28.45	228	1287874	48.30	ul/l	99
78) Di-n-octylphthalate	30.05	149	2126910	59.66	ul/l	99
79) Benzo[b]fluoranthene	30.94	252	1258082m	50.02	ul/l	
80) Benzo[k]fluoranthene	31.00	252	1278079	61.92	ul/l	99
81) Benzo[a]pyrene	31.65	252	1056258	49.56	ul/l	95
82) Indeno[1,2,3-cd]pyrene	33.96	276	938519	39.99	ul/l	84
83) Dibenz[a,h]anthracene	33.97	278	859315	42.15	ul/l	93
84) Benzo[g,h,i]perylene	34.51	276	642360	32.70	ul/l	91

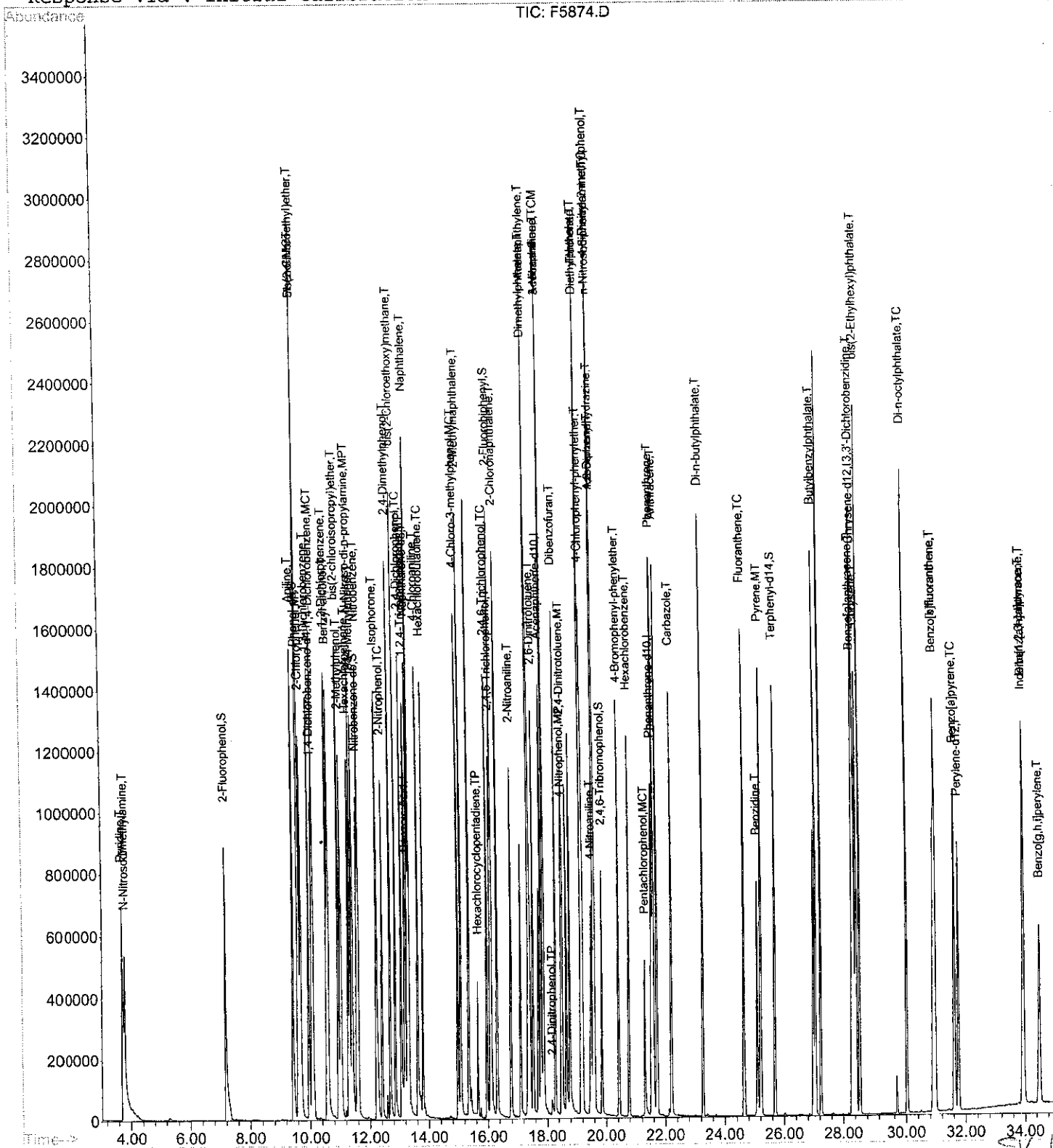
Quantitation Report

Data File : E:\F\DATA\AUG06\F0801\F5874.D
Acq On : 1 Aug 2006 8:24
Sample : SSTD050
Misc :
MS Integration Params: rteint.p
Quant Time: Aug 1 9:58 2006

Vial: 25
Operator: JOSE
Inst : HP5971AF
Multiplr: 1.00

Quant Results File: SVF80725.RES

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Method      : E:\F\METHODS\SVF80725.M (RTE Integrator)
Title       : SEMI-VOA 8270 CALIBRATION HP5971AF
Last Update  : Wed Aug 02 11:13:45 2006
Response via : Initial Calibration
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Data File : E:\F\DATA\AUG06\F0801\F5874.D
 Acq On : 1 Aug 2006 8:24
 Sample : SST050
 Misc :

Vial: 25
 Operator: JOSE
 Inst : HP5971AF
 Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Aug 1 9:58 2006

Quant Results File: SVF80725.RES

Quant Method : E:\F\METHODS\SVF80725.M (RTE Integrator)

Title : SEMI-VOA 8270 CALIBRATION HP5971AF

Last Update : Tue Aug 01 09:58:11 2006

Response via : Initial Calibration

DataAcq Meth : SVF80725

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.06	152	397320	40.00	ul/l	0.00
19) Naphthalene-d8	13.28	136	1536811	40.00	ul/l	0.00
34) Acenaphthene-d10	17.80	164	745461	40.00	ul/l	0.00
55) Phenanthrene-d10	21.55	188	1051454	40.00	ul/l	0.00
68) Chrysene-d12	28.38	240	913225	40.00	ul/l	0.00
77) Perylene-d12	31.78	264	778247	40.00	ul/l	0.00

System Monitoring Compounds

4) 2-Fluorophenol	7.18	112	789313	50.10	ul/l	0.00
Spiked Amount 200.000	Range 21 - 100		Recovery =	25.05%		
6) Phenol-d5	9.60	99	1090998	50.54	ul/l	0.00
Spiked Amount 200.000	Range 10 - 94		Recovery =	25.27%		
20) Nitrobenzene-d5	11.58	82	1028329	50.17	ul/l	0.00
Spiked Amount 100.000	Range 35 - 114		Recovery =	50.17%		
38) 2-Fluorobiphenyl	16.14	172	1308017	53.38	ul/l	0.00
Spiked Amount 100.000	Range 43 - 116		Recovery =	53.38%		
54) 2,4,6-Tribromophenol	19.88	330	184230	49.44	ul/l	0.00
Spiked Amount 200.000	Range 10 - 123		Recovery =	24.72%		
71) Terphenyl-d14	25.71	244	1074622	50.41	ul/l	0.00
Spiked Amount 100.000	Range 33 - 141		Recovery =	50.41%		

Target Compounds

					Qvalue
2) Pyridine	3.72	79	771929	51.06 ul/l	100
3) N-Nitrosodimethylamine	3.80	74	662771	50.17 ul/l	95
5) Aniline	9.44	93	1556024	50.54 ul/l	99
7) Phenol	9.63	94	1286741	51.97 ul/l	96
8) bis(2-Chloroethyl) ether	9.63	93	1085479	52.04 ul/l	98
9) 2-Chlorophenol	9.69	128	827184	52.04 ul/l	100
10) 1,3-Dichlorobenzene	9.96	146	790316	52.84 ul/l	99
11) 1,4-Dichlorobenzene	10.11	146	801271	52.88 ul/l	99
12) Benzyl alcohol	10.62	79	816708	49.81 ul/l	99
13) 1,2-Dichlorobenzene	10.56	146	775313	53.76 ul/l	99
14) 2-Methylphenol	11.02	108	838691	52.99 ul/l	100
15) bis(2-chloroisopropyl) ethe	10.95	45	2029999	50.50 ul/l	100
16) 3&4-Methylphenol	11.43	108	882743	53.15 ul/l	94
17) N-Nitroso-di-n-propylamine	11.36	70	788888	51.98 ul/l	99
18) Hexachloroethane	11.29	117	374487	51.23 ul/l	99
21) Nitrobenzene	11.63	77	1052698	50.23 ul/l	98
22) Isophorone	12.24	82	2195186	52.21 ul/l	99
23) 2-Nitrophenol	12.42	139	483188	49.21 ul/l	100
24) 2,4-Dimethylphenol	12.70	107	831301	52.83 ul/l	99
25) Benzoic Acid	13.22	122	139555	20.78 ul/l	93
26) bis(2-Chloroethoxy)methane	12.87	93	1344961	53.71 ul/l	100
27) 2,4-Dichlorophenol	13.07	162	613216	52.75 ul/l	98
28) 1,2,4-Trichlorobenzene	13.20	180	619933	51.44 ul/l	100
29) Naphthalene	13.34	128	2155019	53.64 ul/l	100
30) 4-Chloroaniline	13.63	127	1016466	52.95 ul/l	98
31) Hexachlorobutadiene	13.81	225	300377	52.05 ul/l	99
32) 4-Chloro-3-methylphenol	14.98	107	755515	53.21 ul/l	97
33) 2-Methylnaphthalene	15.10	142	1303001	54.99 ul/l	98

(#) = qualifier out of range (m) = manual integration
 F5874.D SVF80725.M Tue Aug 08 14:33:03 2006

Data File : E:\F\DATA\AUG06\F0801\F5874.D

Acq On : 1 Aug 2006 8:24

Sample : SST050

Misc :

MS Integration Params: rteint.p

Quant Time: Aug 1 9:58 2006

Vial: 25

Operator: JOSE

Inst : HP5971AF

Multiplr: 1.00

Quant Results File: SVF80725.RES

Quant Method : E:\F\METHODS\SVF80725.M (RTE Integrator)

Title : SEMI-VOA 8270 CALIBRATION HP5971AF

Last Update : Tue Aug 01 09:58:11 2006

Response via : Initial Calibration

DataAcq Meth : SVF80725

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
35) Hexachlorocyclopentadiene	15.67	237	118289	28.09	ul/l	97
36) 2,4,6-Trichlorophenol	15.98	196	414486	51.11	ul/l	99
37) 2,4,5-Trichlorophenol	16.09	196	434312	51.20	ul/l	99
39) 2-Chloronaphthalene	16.33	162	1248387	53.92	ul/l	99
40) 2-Nitroaniline	16.80	65	600573	54.88	ul/l	99
41) Dimethylphthalate	17.39	163	1375034	53.14	ul/l	99
42) Acenaphthylene	17.41	152	1869512	54.13	ul/l	100
43) 3-Nitroaniline	17.90	138	444219	53.60	ul/l	100
44) Acenaphthene	17.90	153	1102883	53.63	ul/l	100
45) 2,4-Dinitrophenol	18.17	184	35548	8.38	ul/l #	71
46) 4-Nitrophenol	18.51	109	124989	41.04	ul/l	97
47) Dibenzofuran	18.29	168	1627541	52.52	ul/l	98
48) 2,6-Dinitrotoluene	17.55	165	393627	52.78	ul/l	97
49) 2,4-Dinitrotoluene	18.54	165	489923	52.83	ul/l	85
50) Diethylphthalate	19.17	149	1368975	62.29	ul/l	100
51) 4-Chlorophenyl-phenylether	19.21	204	601690	63.09	ul/l	99
52) Fluorene	19.18	166	1264244	58.05	ul/l	99
53) 4-Nitroaniline	19.52	138	415103	58.91	ul/l	94
56) 4,6-Dinitro-2-methylphenol	19.59	198	135078	24.43	ul/l	100
57) Carbazole	22.23	167	1371369	47.10	ul/l	99
58) n-Nitrosodiphenylamine	19.60	169	1071811	55.68	ul/l	98
59) 1,2-Diphenylhydrazine	19.62	77	2198368	57.22	ul/l	82
60) Azobenzene	19.62	77	2198368	57.22	ul/l	82
61) 4-Bromophenyl-phenylether	20.45	248	351416	50.13	ul/l	97
62) Hexachlorobenzene	20.79	284	418606	48.47	ul/l	97
63) Pentachlorophenol	21.32	266	150307	30.72	ul/l	95
64) Phenanthrene	21.63	178	1693846	51.12	ul/l	100
65) Anthracene	21.74	178	1588060	49.92	ul/l	100
66) Di-n-butylphthalate	23.29	149	2351765	51.47	ul/l	99
67) Fluoranthene	24.67	202	1582375	49.77	ul/l	99
69) Benzidine	25.11	184	769359	38.56	ul/l	100
70) Pyrene	25.24	202	1610303	49.43	ul/l	100
72) Butylbenzylphthalate	27.08	149	1016850	50.72	ul/l	99
73) 3,3'-Dichlorobenzidine	28.37	252	623820	49.74	ul/l	99
74) Benzo[a]anthracene	28.33	228	1509412	48.74	ul/l	100
75) bis(2-Ethylhexyl)phthalate	28.57	149	1308460	50.71	ul/l	99
76) Chrysene	28.46	228	1430171	50.24	ul/l	99
78) Di-n-octylphthalate	30.05	149	2365472	57.43	ul/l	99
79) Benzo[b]fluoranthene	31.00	252	2852539	98.18	ul/l	84
80) Benzo[k]fluoranthene	31.00	252	2852539	119.63	ul/l	83
81) Benzo[a]pyrene	31.66	252	1241272	50.41	ul/l	97
82) Indeno[1,2,3-cd]pyrene	33.97	276	1045482	38.56	ul/l	98
83) Dibenz[a,h]anthracene	33.98	278	946544	40.19	ul/l	99
84) Benzo[g,h,i]perylene	34.51	276	753330	33.19	ul/l	100

(#) = qualifier out of range (m) = manual integration
 F5874.D SVF80725.M Tue Aug 08 14:33:03 2006

SV-134

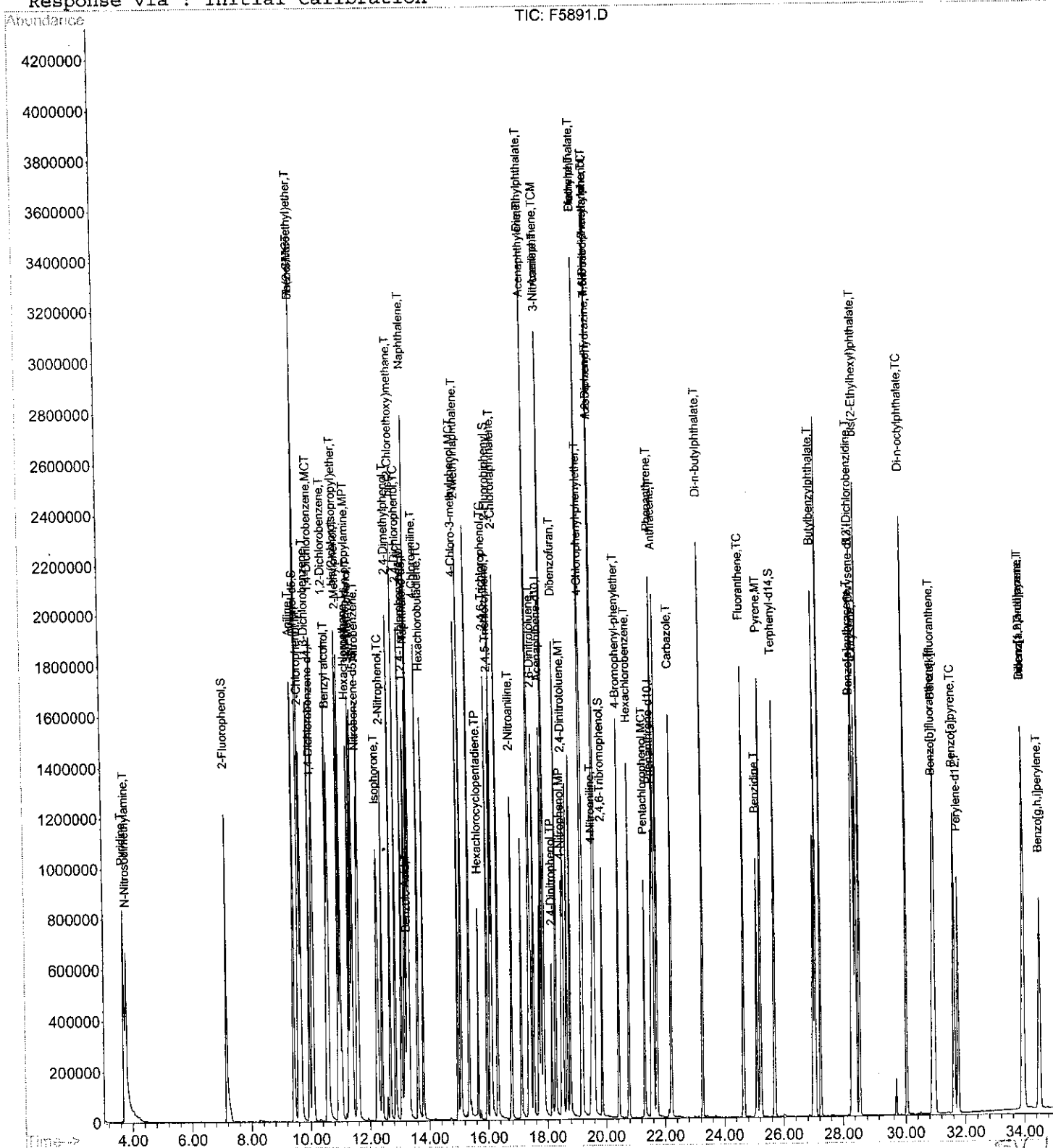
Quantitation Report

Data File : E:\F\DATA\AUG06\F0802\F5891.D
 Acq On : 2 Aug 2006 10:57
 Sample : SST0050
 Misc :
 MS Integration Params: rteint.p
 Quant Time: Aug 2 11:34 2006

Vial: 25
 Operator: JOSE
 Inst : HP5971AF
 Multiplr: 1.00

Quant Results File: SVF80725.RES

Method : E:\F\METHODS\SVF80725.M (RTE Integrator)
 Title : SEMI-VOA 8270 CALIBRATION HP5971AF
 Last Update : Wed Aug 02 11:13:45 2006
 Response via : Initial Calibration



Data File : E:\F\DATA\AUG06\F0802\F5891.D
 Acq On : 2 Aug 2006 10:57
 Sample : SSTD050
 Misc :

Vial: 25
 Operator: JOSE
 Inst : HP5971AF
 Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Aug 2 11:34 2006

Quant Results File: SVF80725.RES

Quant Method : E:\F\METHODS\SVF80725.M (RTE Integrator)

Title : SEMI-VOA 8270 CALIBRATION HP5971AF

Last Update : Tue Aug 01 09:58:11 2006

Response via : Initial Calibration

DataAcq Meth : SVF80725

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.05	152	474685	40.00	ul/l	0.00
19) Naphthalene-d8	13.28	136	1802223	40.00	ul/l	0.00
34) Acenaphthene-d10	17.81	164	869083	40.00	ul/l	0.00
55) Phenanthrene-d10	21.55	188	1215761	40.00	ul/l	0.00
68) Chrysene-d12	28.38	240	1004481	40.00	ul/l	0.00
77) Perylene-d12	31.78	264	857304	40.00	ul/l	0.00

System Monitoring Compounds

4) 2-Fluorophenol	7.16	112	1001389	53.20	ul/l	-0.02
Spiked Amount	200.000	Range	21 - 100	Recovery	=	26.60%
6) Phenol-d5	9.59	99	1379038	53.47	ul/l	0.00
Spiked Amount	200.000	Range	10 - 94	Recovery	=	26.73%
20) Nitrobenzene-d5	11.58	82	1258341	52.35	ul/l	0.00
Spiked Amount	100.000	Range	35 - 114	Recovery	=	52.35%
38) 2-Fluorobiphenyl	16.14	172	1577155	55.21	ul/l	0.00
Spiked Amount	100.000	Range	43 - 116	Recovery	=	55.21%
54) 2,4,6-Tribromophenol	19.88	330	232406	53.49	ul/l	0.00
Spiked Amount	200.000	Range	10 - 123	Recovery	=	26.75%
71) Terphenyl-d14	25.71	244	1302957	55.57	ul/l	0.00
Spiked Amount	100.000	Range	33 - 141	Recovery	=	55.57%

Target Compounds

						Qvalue
2) Pyridine	3.70	79	972993	53.87	ul/l	99
3) N-Nitrosodimethylamine	3.80	74	792498	50.22	ul/l	96
5) Aniline	9.43	93	1952531	53.08	ul/l	99
7) Phenol	9.62	94	1580230	53.42	ul/l	97
8) bis(2-Chloroethyl) ether	9.62	93	1337831	53.68	ul/l	99
9) 2-Chlorophenol	9.68	128	1027789	54.12	ul/l	93
10) 1,3-Dichlorobenzene	9.95	146	981040	54.90	ul/l	100
11) 1,4-Dichlorobenzene	10.10	146	1001650	55.33	ul/l	99
12) Benzyl alcohol	10.61	79	1005275	51.31	ul/l	98
13) 1,2-Dichlorobenzene	10.55	146	955241	55.44	ul/l	99
14) 2-Methylphenol	11.01	108	1019660	53.92	ul/l	99
15) bis(2-chloroisopropyl) ethe	10.95	45	2501299	52.08	ul/l	99
16) 3&4-Methylphenol	11.42	108	1082716	54.57	ul/l	95
17) N-Nitroso-di-n-propylamine	11.36	70	957776	52.82	ul/l	98
18) Hexachloroethane	11.28	117	476396	54.55	ul/l	99
21) Nitrobenzene	11.63	77	1283678	52.23	ul/l	98
22) Isophorone	12.24	82	2717116	55.10	ul/l	98
23) 2-Nitrophenol	12.42	139	615031	53.42	ul/l	97
24) 2,4-Dimethylphenol	12.70	107	1000576	54.22	ul/l	99
25) Benzoic Acid	13.25	122	195574	24.84	ul/l	98
26) bis(2-Chloroethoxy) methane	12.87	93	1595375	54.33	ul/l	100
27) 2,4-Dichlorophenol	13.07	162	756872	55.52	ul/l	99
28) 1,2,4-Trichlorobenzene	13.19	180	767164	54.28	ul/l	100
29) Naphthalene	13.33	128	2597817	55.14	ul/l	100
30) 4-Chloroaniline	13.63	127	1234736	54.85	ul/l	99
31) Hexachlorobutadiene	13.80	225	370219	54.70	ul/l	99
32) 4-Chloro-3-methylphenol	14.98	107	904756	54.34	ul/l	99
33) 2-Methylnaphthalene	15.09	142	1549818	55.77	ul/l	98

(#) = qualifier out of range (m) = manual integration
 F5891.D SVF80725.M Tue Aug 08 14:33:05 2006

SV-136

Data File : E:\F\DATA\AUG06\F0802\F5891.D
 Acq On : 2 Aug 2006 10:57
 Sample : SST050
 Misc :

Vial: 25
 Operator: JOSE
 Inst : HP5971AF
 Multiplr: 1.00

MS Integration Params: rteint.p
 Quant Time: Aug 2 11:34 2006

Quant Results File: SVF80725.RES

Quant Method : E:\F\METHODS\SVF80725.M (RTE Integrator)
 Title : SEMI-VOA 8270 CALIBRATION HP5971AF
 Last Update : Tue Aug 01 09:58:11 2006
 Response via : Initial Calibration
 DataAcq Meth : SVF80725

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
35) Hexachlorocyclopentadiene	15.67	237	249838	50.89	ul/l	98
36) 2,4,6-Trichlorophenol	15.97	196	505289	53.44	ul/l	98
37) 2,4,5-Trichlorophenol	16.08	196	532916	53.89	ul/l	99
39) 2-Chloronaphthalene	16.33	162	1475386	54.66	ul/l	100
40) 2-Nitroaniline	16.79	65	681167	53.39	ul/l	98
41) Dimethylphthalate	17.40	163	1588982	52.67	ul/l	99
42) Acenaphthylene	17.41	152	2145537	53.29	ul/l	100
43) 3-Nitroaniline	17.91	138	521704	54.00	ul/l	98
44) Acenaphthene	17.90	153	1314897	54.84	ul/l	100
45) 2,4-Dinitrophenol	18.16	184	209406	42.34	ul/l	93
46) 4-Nitrophenol	18.49	109	179841	50.65	ul/l	95
47) Dibenzofuran	18.31	168	1950816	54.00	ul/l	99
48) 2,6-Dinitrotoluene	17.55	165	483107	55.56	ul/l	99
49) 2,4-Dinitrotoluene	18.55	165	610307	56.45	ul/l	83
50) Diethylphthalate	19.18	149	1518039	59.25	ul/l	99
51) 4-Chlorophenyl-phenylether	19.21	204	708514	63.73	ul/l	98
52) Fluorene	19.18	166	1435199	56.53	ul/l	99
53) 4-Nitroaniline	19.55	138	470227	57.25	ul/l	94
56) 4,6-Dinitro-2-methylphenol	19.60	198	328165	51.34	ul/l	100
57) Carbazole	22.23	167	1624995	48.27	ul/l	99
58) n-Nitrosodiphenylamine	19.61	169	1269309	57.03	ul/l	99
59) 1,2-Diphenylhydrazine	19.62	77	2546302	57.32	ul/l	74
60) Azobenzene	19.62	77	2546302	57.32	ul/l	74
61) 4-Bromophenyl-phenylether	20.45	248	428798	52.91	ul/l	98
62) Hexachlorobenzene	20.80	284	514810	51.56	ul/l	96
63) Pentachlorophenol	21.32	266	268310	47.42	ul/l	99
64) Phenanthrene	21.63	178	2050713	53.53	ul/l	100
65) Anthracene	21.74	178	1954470	53.14	ul/l	100
66) Di-n-butylphthalate	23.29	149	2837089	53.70	ul/l	99
67) Fluoranthene	24.67	202	1911020	51.99	ul/l	100
69) Benzidine	25.11	184	1032933	47.07	ul/l	100
70) Pyrene	25.24	202	1939947	54.14	ul/l	98
72) Butylbenzylphthalate	27.08	149	1206065	54.70	ul/l	98
73) 3,3'-Dichlorobenzidine	28.37	252	640591	46.43	ul/l	99
74) Benzo[a]anthracene	28.33	228	1734841	50.93	ul/l	100
75) bis(2-Ethylhexyl)phthalate	28.57	149	1508921	53.16	ul/l	99
76) Chrysene	28.46	228	1646680	52.59	ul/l	99
78) Di-n-octylphthalate	30.05	149	2687101	59.23	ul/l	99
79) Benzo[b]fluoranthene	30.96	252	1899915m	59.36	ul/l	
80) Benzo[k]fluoranthene	31.00	252	1391798m	52.99	ul/l	
81) Benzo[a]pyrene	31.66	252	1464164	53.98	ul/l	98
82) Indeno[1,2,3-cd]pyrene	34.00	276	1560721	52.26	ul/l	96
83) Dibenz[a,h]anthracene	34.00	278	1379457	53.17	ul/l	99
84) Benzo[g,h,i]perylene	34.54	276	1254916	50.19	ul/l	98

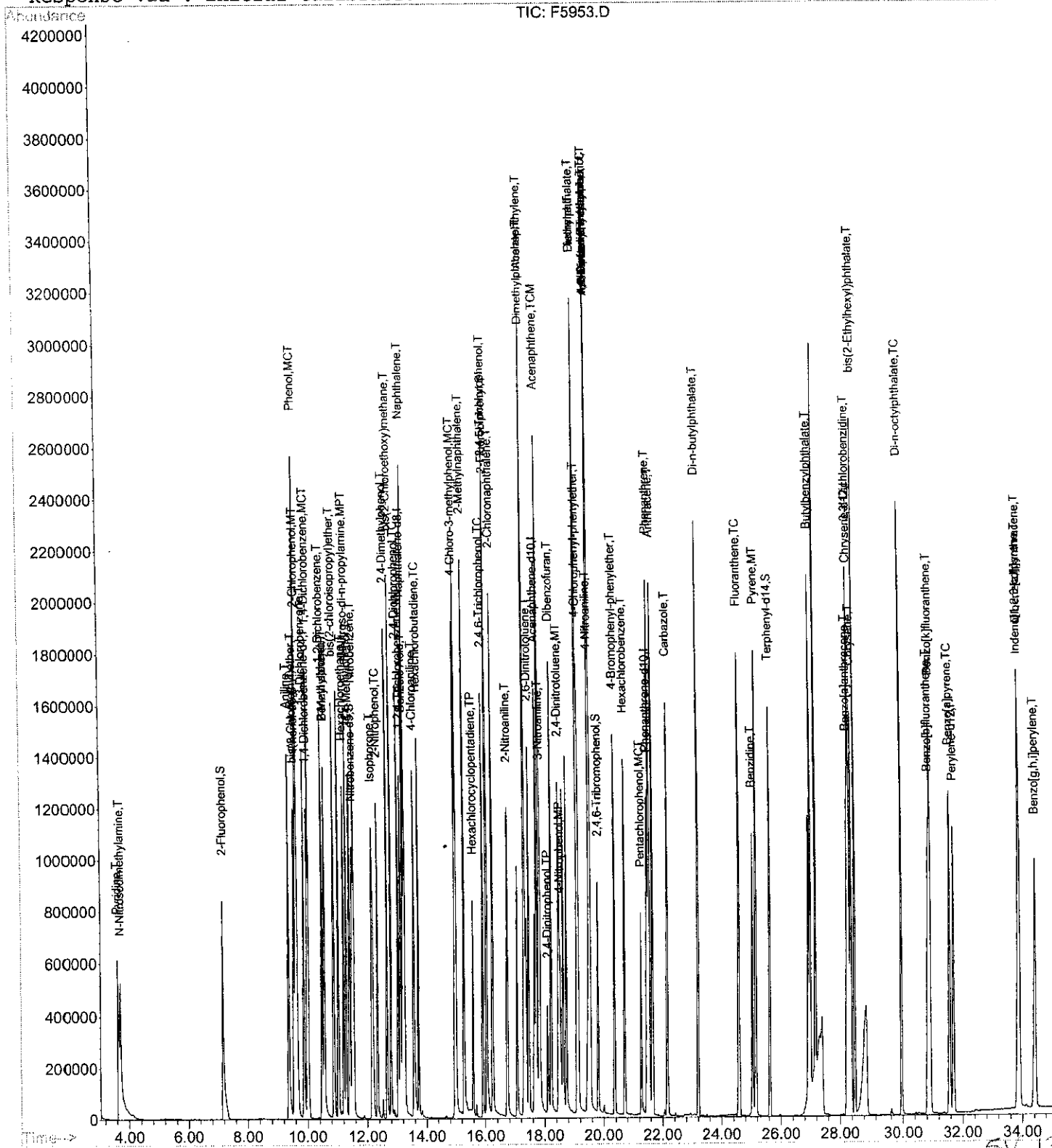
Quantitation Report

Data File : E:\F\DATA\AUG06\F0808\F5953.D
Acq On : 8 Aug 2006 16:41
Sample : SSTD050
Misc :
MS Integration Params: rteint.p
Quant Time: Aug 8 17:17 2006

Vial: 25
Operator: JOSE
Inst : HP5971AF
Multiplr: 1.00

Quant Results File: SVF80725.RES

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Method      : E:\F\METHODS\SVF80725.M (RTE Integrator)
Title       : SEMI-VOA 8270 CALIBRATION HP5971AF
Last Update  : Tue Aug 08 13:01:22 2006
Response via : Initial Calibration
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Data File : E:\F\DATA\AUG06\F0808\F5953.D

Vial: 25

Acq On : 8 Aug 2006 16:41

Operator: JOSE

Sample : SST050

Inst : HP5971AF

Misc :

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Aug 8 17:17 2006

Quant Results File: SVF80725.RES

Quant Method : E:\F\METHODS\SVF80725.M (RTE Integrator)

Title : SEMI-VOA 8270 CALIBRATION HP5971AF

Last Update : Tue Aug 08 13:01:22 2006

Response via : Initial Calibration

DataAcq Meth : SVF80725

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.99	152	448787	40.00	ul/l	-0.01
19) Naphthalene-d8	13.21	136	1810248	40.00	ul/l	-0.01
34) Acenaphthene-d10	17.74	164	929978	40.00	ul/l	-0.02
55) Phenanthrene-d10	21.49	188	1353698	40.00	ul/l	-0.02
68) Chrysene-d12	28.31	240	1070435	40.00	ul/l	-0.02
77) Perylene-d12	31.71	264	1036753	40.00	ul/l	-0.05

System Monitoring Compounds

4) 2-Fluorophenol	7.17	112	803742	45.17	ul/l	0.00
Spiked Amount 200.000	Range 21 - 100		Recovery =	22.59%		
6) Phenol-d5	9.61	99	1206578	49.48	ul/l	-0.02
Spiked Amount 200.000	Range 10 - 94		Recovery =	24.74%		
20) Nitrobenzene-d5	11.51	82	1067099	44.20	ul/l	-0.02
Spiked Amount 100.000	Range 35 - 114		Recovery =	44.20%		
38) 2-Fluorobiphenyl	16.07	172	1382027	45.21	ul/l	-0.01
Spiked Amount 100.000	Range 43 - 116		Recovery =	45.21%		
54) 2,4,6-Tribromophenol	19.82	330	225622	48.53	ul/l	-0.02
Spiked Amount 200.000	Range 10 - 123		Recovery =	24.27%		
71) Terphenyl-d14	25.65	244	1301193	52.08	ul/l	-0.01
Spiked Amount 100.000	Range 33 - 141		Recovery =	52.08%		

Target Compounds

Qvalue

2) Pyridine	3.62	79	723574m	42.37	ul/l	
3) N-Nitrosodimethylamine	3.71	74	623235	41.77	ul/l	93
5) Aniline	9.37	93	1577084	45.35	ul/l	99
7) Phenol	9.64	94	1315173	47.02	ul/l	91
8) bis(2-Chloroethyl) ether	9.56	93	1182585	50.19	ul/l	93
9) 2-Chlorophenol	9.66	128	818826	45.60	ul/l	97
10) 1,3-Dichlorobenzene	9.88	146	818937	48.47	ul/l	99
11) 1,4-Dichlorobenzene	10.03	146	842247	49.21	ul/l	99
12) Benzyl alcohol	10.58	79	853552	46.08	ul/l	97
13) 1,2-Dichlorobenzene	10.49	146	815729	50.08	ul/l	99
14) 2-Methylphenol	10.58	108	644052	36.02	ul/l	87
15) bis(2-chloroisopropyl) ethe	10.88	45	1981799	43.64	ul/l	98
16) 3&4-Methylphenol	11.43	108	949670	50.62	ul/l	95
17) N-Nitroso-di-n-propylamine	11.30	70	819076	47.78	ul/l	100
18) Hexachloroethane	11.21	117	398765	48.30	ul/l	97
21) Nitrobenzene	11.56	77	1115639	45.19	ul/l	99
22) Isophorone	12.16	82	2357058	47.59	ul/l	100
23) 2-Nitrophenol	12.36	139	554591	47.95	ul/l	97
24) 2,4-Dimethylphenol	12.66	107	877629	47.35	ul/l	99
25) Benzoic Acid	13.22	122	161979	20.48	ul/l	97
26) bis(2-Chloroethoxy)methane	12.81	93	1447412	49.07	ul/l	99
27) 2,4-Dichlorophenol	13.04	162	685954	50.09	ul/l	99
28) 1,2,4-Trichlorobenzene	13.13	180	682060	48.05	ul/l	99
29) Naphthalene	13.26	128	2328176	49.19	ul/l	100
30) 4-Chloroaniline	13.58	127	1094639	48.41	ul/l	100
31) Hexachlorobutadiene	13.73	225	324037	47.67	ul/l	99
32) 4-Chloro-3-methylphenol	14.98	107	800749	47.88	ul/l	# 1
33) 2-Methylnaphthalene	15.30	142	1437302	51.50	ul/l	96

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

F5953.D SVF80725.M

Fri Aug 18 11:38:32 2006

SV-139

Data File : E:\F\DATA\AUG06\F0808\F5953.D

Vial: 25

Acq On : 8 Aug 2006 16:41

Operator: JOSE

Sample : SSTD050

Inst : HP5971AF

Misc :

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Aug 8 17:17 2006

Quant Results File: SVF80725.RES

Quant Method : E:\F\METHODS\SVF80725.M (RTE Integrator)

Title : SEMI-VOA 8270 CALIBRATION HP5971AF

Last Update : Tue Aug 08 13:01:22 2006

Response via : Initial Calibration

DataAcq Meth : SVF80725

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
35) Hexachlorocyclopentadiene	15.59	237	237752	45.26	ul/l	98
36) 2,4,6-Trichlorophenol	15.93	196	468410	46.30	ul/l	98
37) 2,4,5-Trichlorophenol	16.05	196	452229	42.74	ul/l	99
39) 2-Chloronaphthalene	16.27	162	1411023	48.85	ul/l	99
40) 2-Nitroaniline	16.76	65	676838	49.57	ul/l	97
41) Dimethylphthalate	17.33	163	1513262	46.88	ul/l	99
42) Acenaphthylene	17.34	152	2104487	48.85	ul/l	100
43) 3-Nitroaniline	17.86	138	512059	49.53	ul/l	100
44) Acenaphthene	17.83	153	1253472	48.86	ul/l	99
45) 2,4-Dinitrophenol	18.11	184	163828	30.96	ul/l	93
46) 4-Nitrophenol	18.53	109	163253	42.96	ul/l	91
47) Dibenzofuran	18.24	168	1872422	48.44	ul/l	100
48) 2,6-Dinitrotoluene	17.49	165	461010	49.55	ul/l	99
49) 2,4-Dinitrotoluene	18.50	165	574129	49.62	ul/l	86
50) Diethylphthalate	19.12	149	1454894	53.07	ul/l	100
51) 4-Chlorophenyl-phenylether	19.15	204	662187	55.66	ul/l	99
52) Fluorene	19.12	166	1357133	49.95	ul/l	100
53) 4-Nitroaniline	19.51	138	525169	59.75	ul/l	97
56) 4,6-Dinitro-2-methylphenol	19.55	198	282220	39.65	ul/l	100
57) Carbazole	22.18	167	1742890	46.49	ul/l	99
58) n-Nitrosodiphenylamine	19.55	169	1186094	47.86	ul/l	99
59) 1,2-Diphenylhydrazine	19.56	77	2397010	48.46	ul/l	75
60) Azobenzene	19.56	77	2397010	48.46	ul/l	75
61) 4-Bromophenyl-phenylether	20.38	248	397407	44.04	ul/l	97
62) Hexachlorobenzene	20.72	284	490717	44.14	ul/l	97
63) Pentachlorophenol	21.27	266	228271	36.24	ul/l	98
64) Phenanthrene	21.56	178	1973895	46.27	ul/l	100
65) Anthracene	21.67	178	1991651	48.63	ul/l	100
66) Di-n-butylphthalate	23.23	149	2949040	50.13	ul/l	99
67) Fluoranthene	24.60	202	1938069	47.35	ul/l	96
69) Benzidine	25.05	184	981150	41.95	ul/l	100
70) Pyrene	25.18	202	1958947	51.30	ul/l	98
72) Butylbenzylphthalate	27.02	149	1126171	47.93	ul/l	99
73) 3,3'-Dichlorobenzidine	28.30	252	682393	46.42	ul/l	99
74) Benzo[a]anthracene	28.25	228	1638050	45.13	ul/l	99
75) bis(2-Ethylhexyl)phthalate	28.51	149	1467987	48.53	ul/l	99
76) Chrysene	28.39	228	1543235	46.25	ul/l	99
78) Di-n-octylphthalate	29.98	149	2660185	48.48	ul/l	99
79) Benzo[b]fluoranthene	30.89	252	1975528m	51.04	ul/l	
80) Benzo[k]fluoranthene	30.94	252	1326950m	41.77	ul/l	
81) Benzo[a]pyrene	31.59	252	1504704	45.87	ul/l	98
82) Indeno[1,2,3-cd]pyrene	33.91	276	1696834	46.98	ul/l	93
83) Dibenz[a,h]anthracene	33.92	278	1527439	48.68	ul/l	99
84) Benzo[g,h,i]perylene	34.45	276	1368512	45.26	ul/l	98

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

F5953.D SVF80725.M

Fri Aug 18 11:38:33 2006

SV-140

Data File : E:\F\DATA\JUL06\F0725\F5826.D

Vial: 24

Acq On : 25 Jul 2006 12:17

Operator: JOSE

Sample : STUNE

Inst : HP5971AF

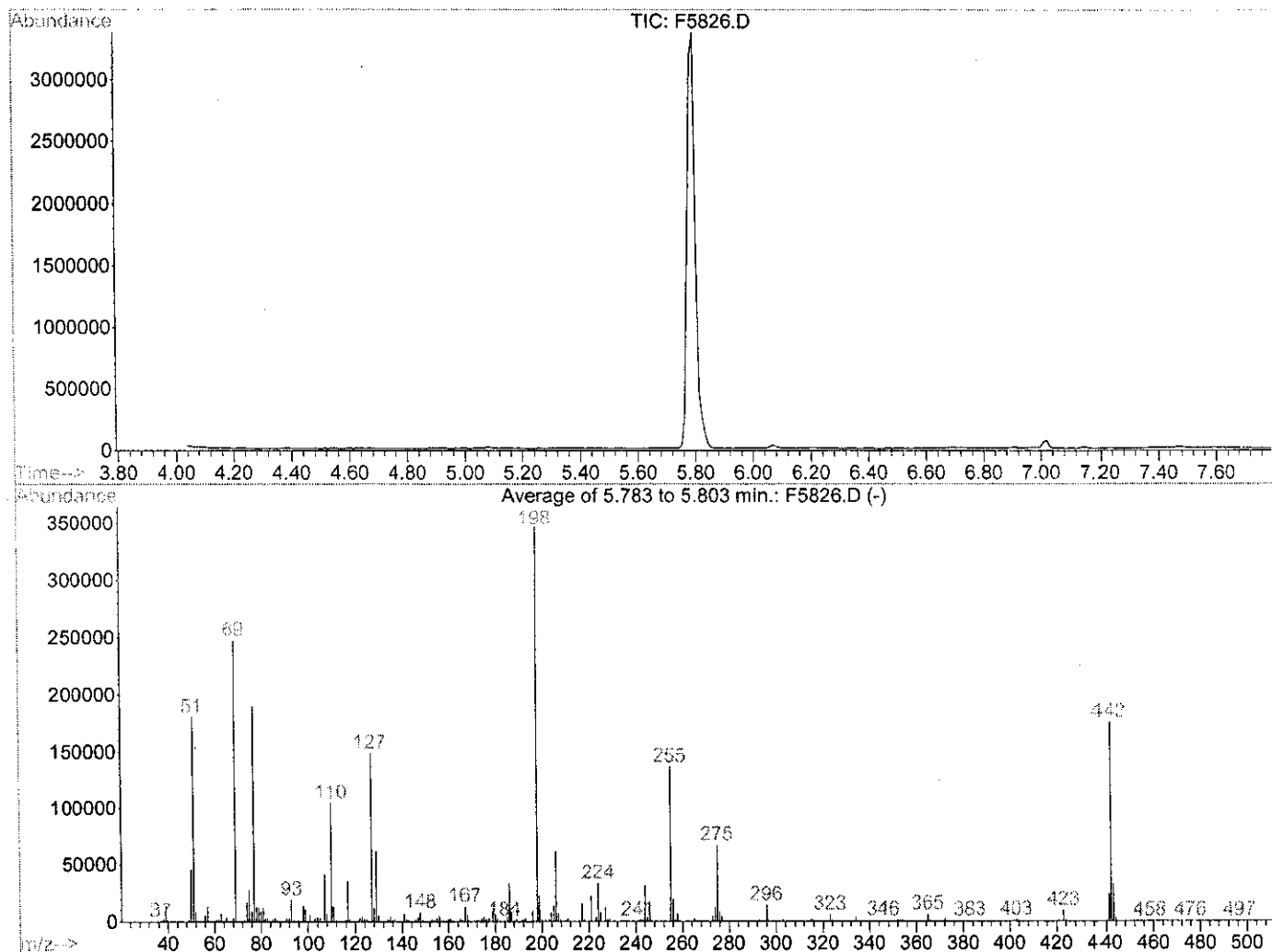
Misc :

Multiplr: 1.00

MS Integration Params: rteint.p

Method : E:\F\METHODS\SVF80725.M (RTE Integrator)

Title : SEMI-VOA 8270 CALIBRATION HP5971AF



Spectrum Information: Average of 5.783 to 5.803 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	52.0	180427	PASS
68	69	0.00	2	1.2	2874	PASS
69	198	0.00	100	71.2	247189	PASS
70	69	0.00	2	0.3	846	PASS
127	198	40	60	42.9	148877	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	347156	PASS
199	198	5	9	6.3	21994	PASS
275	198	10	30	19.2	66691	PASS
365	198	1	100	1.7	5967	PASS
441	443	0.01	100	72.8	23277	PASS
442	198	40	100	50.4	175032	PASS
443	442	17	23	18.3	31987	PASS

SV-141

DFTPP

Data File : E:\F\DATA\JUL06\F0731\F5855.D

Vial: 24

Acq On : 31 Jul 2006 10:22

Operator: JOSE

Sample : STUNE

Inst : HP5971AF

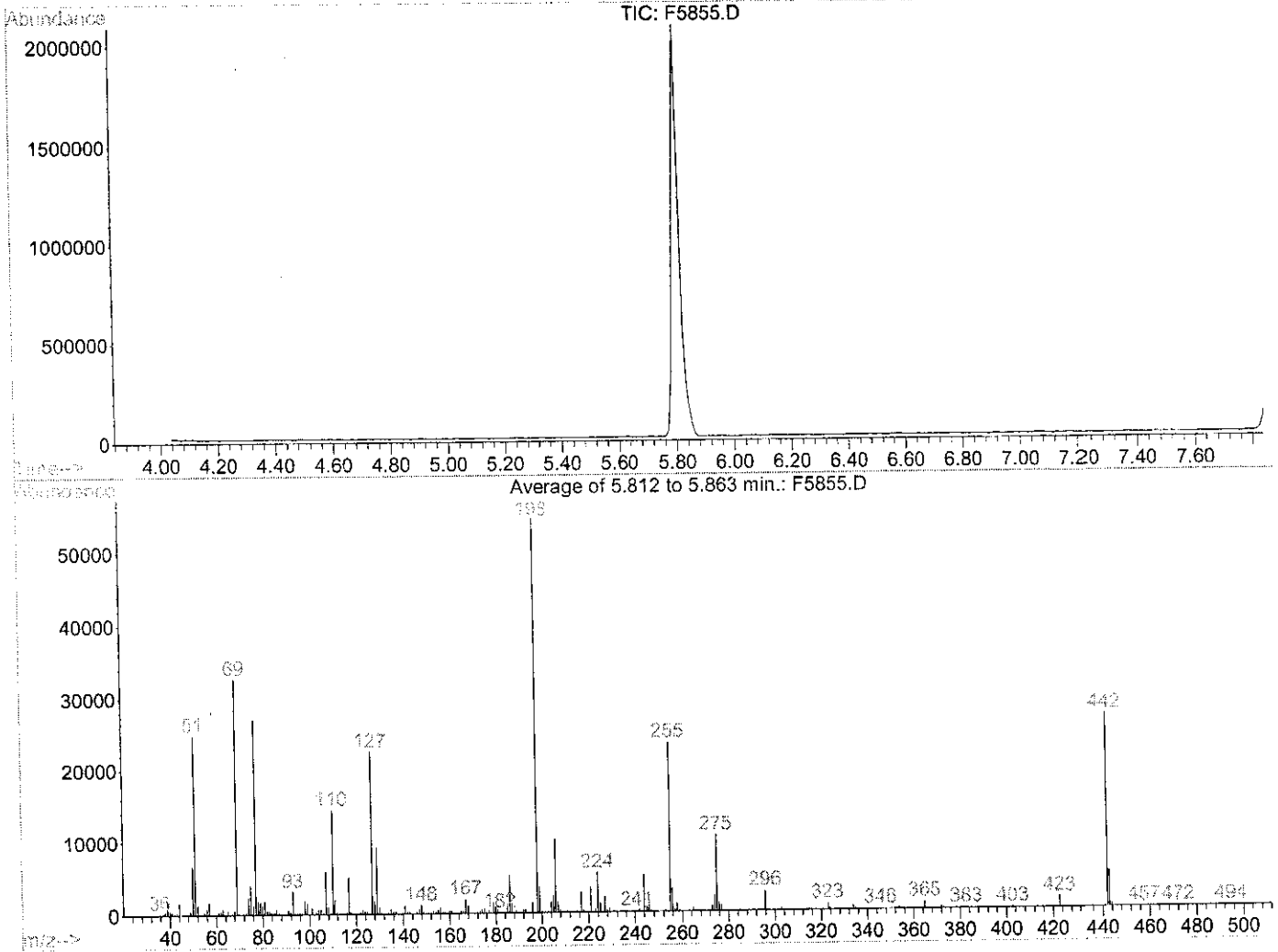
Misc :

Multiplr: 1.00

MS Integration Params: rteint.p

Method : E:\F\METHODS\SVF80725.M (RTE Integrator)

Title : SEMI-VOA 8270 CALIBRATION HP5971AF



Spectrum Information: Average of 5.812 to 5.863 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	45.5	24874	PASS
68	69	0.00	2	1.6	538	PASS
69	198	0.00	100	59.7	32631	PASS
70	69	0.00	2	0.7	223	PASS
127	198	40	60	41.2	22510	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	54635	PASS
199	198	5	9	6.4	3485	PASS
275	198	10	30	19.2	10464	PASS
365	198	1	100	1.8	986	PASS
441	443	0.01	100	2.2	111	PASS
442	198	40	100	49.0	26776	PASS
443	442	17	23	18.5	4957	PASS

SV-142

DFTPP

Data File : E:\F\DATA\AUG06\F0801\F5873.D

Vial: 24

Acq On : 1 Aug 2006 8:08

Operator: JOSE

Sample : STUNE

Inst : HP5971AF

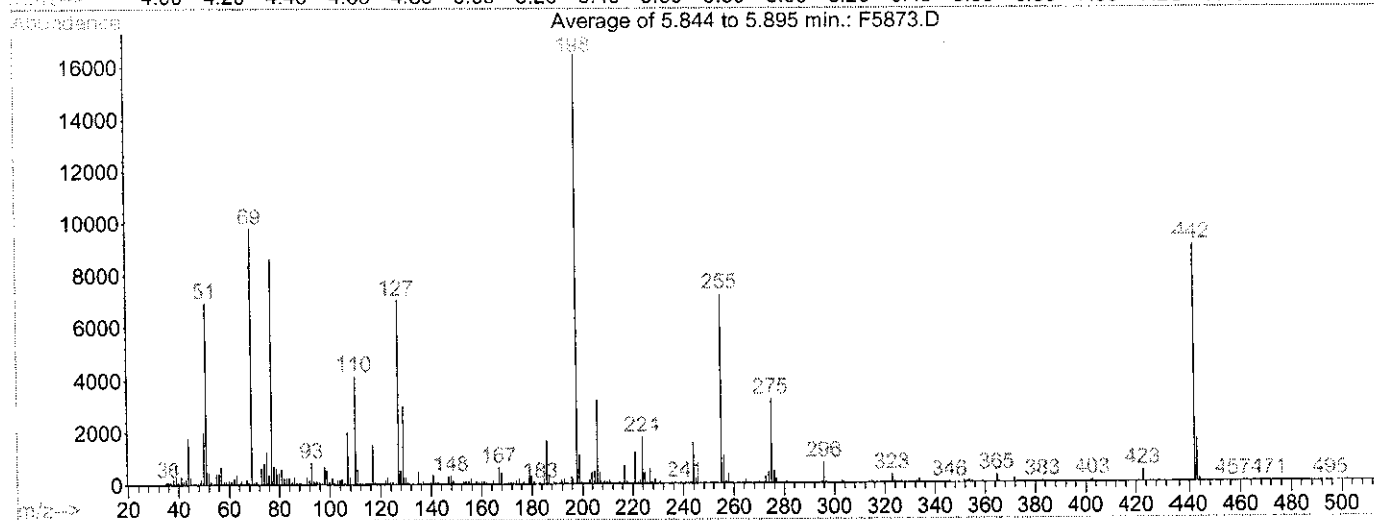
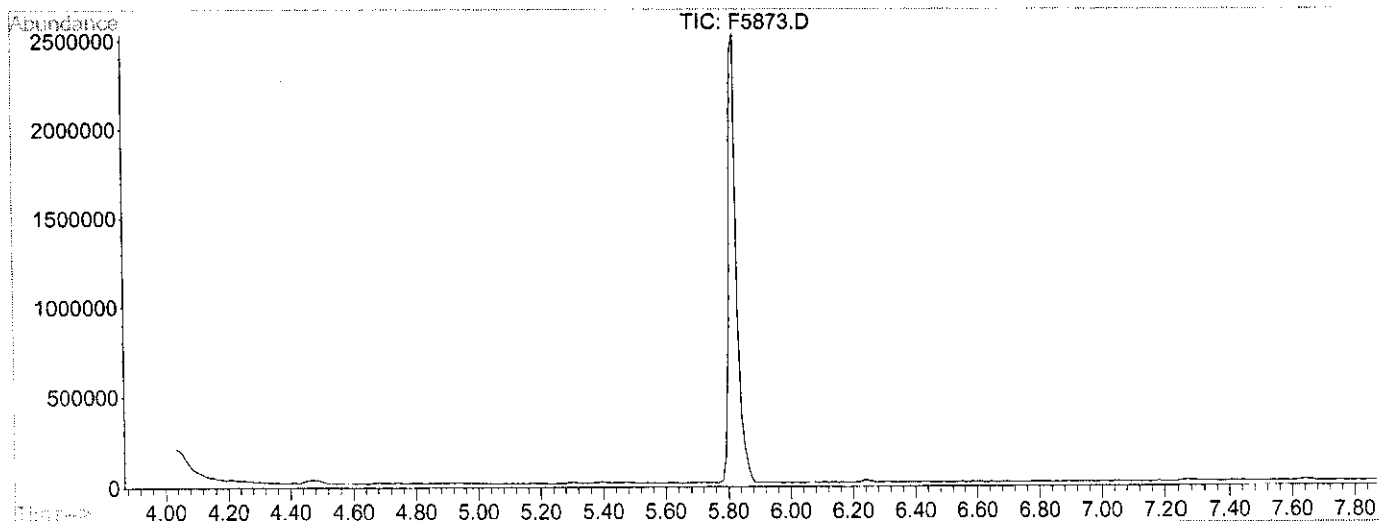
Misc :

Multiplr: 1.00

MS Integration Params: rteint.p

Method : E:\F\METHODS\SVF80725.M (RTE Integrator)

Title : SEMI-VOA 8270 CALIBRATION HP5971AF



Spectrum Information: Average of 5.844 to 5.895 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	42.2	6952	PASS
68	69	0.00	2	0.7	68	PASS
69	198	0.00	100	59.4	9791	PASS
70	69	0.00	2	0.7	68	PASS
127	198	40	60	42.7	7043	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	16479	PASS
199	198	5	9	6.9	1130	PASS
275	198	10	30	19.6	3225	PASS
365	198	1	100	1.8	298	PASS
441	443	0.01	100	1.4	22	PASS
442	198	40	100	55.0	9065	PASS
443	442	17	23	18.0	1628	PASS

SV-143

DFTPP

Data File : E:\F\DATA\AUG06\F0802\F5890.D

Acq On : 2 Aug 2006 10:40

Sample : STUNE

Misc :

MS Integration Params: rteint.p

Method : E:\F\METHODS\SVF80725.M (RTE Integrator)

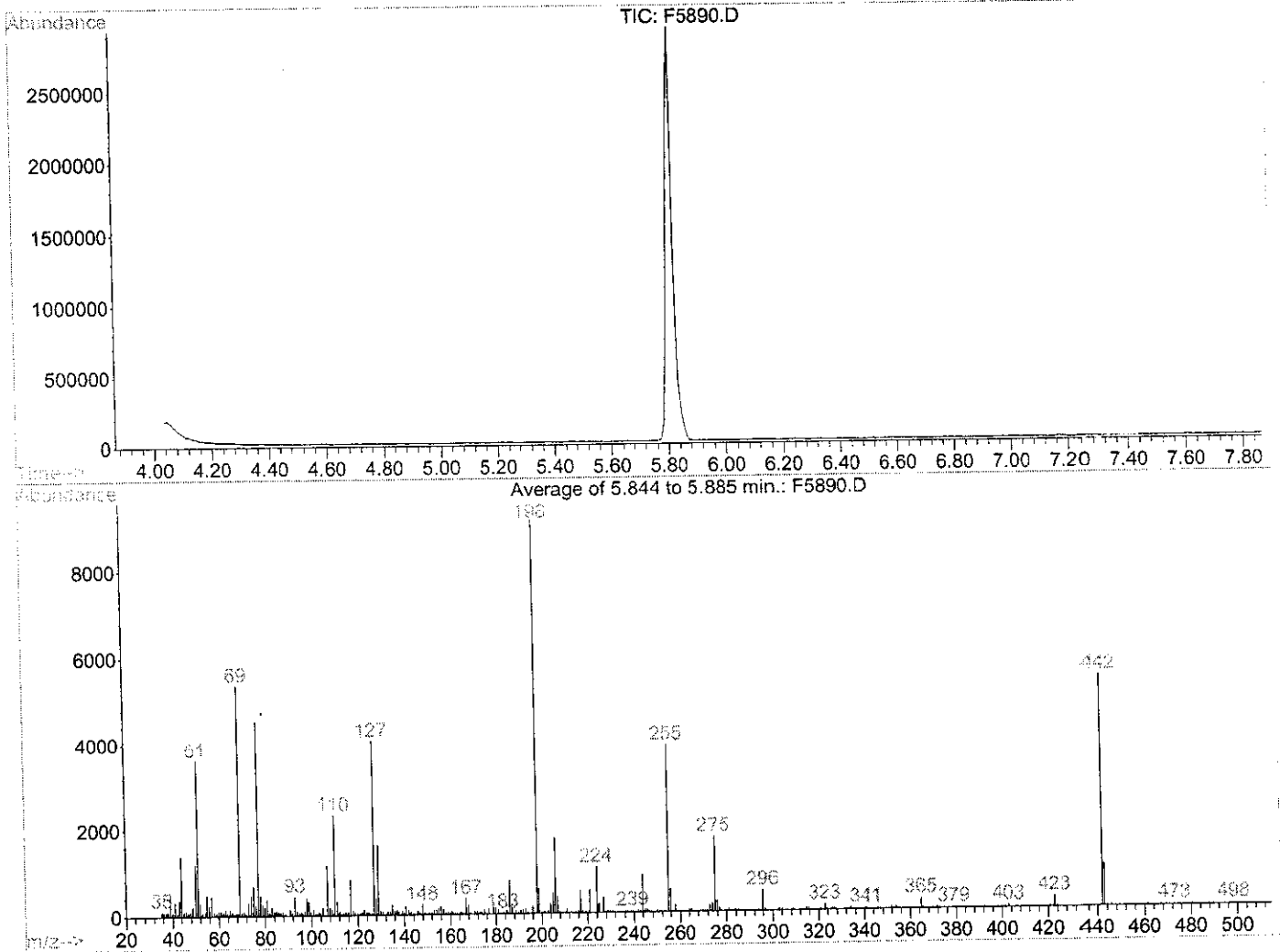
Title : SEMI-VOA 8270 CALIBRATION HP5971AF

Vial: 24

Operator: JOSE

Inst : HP5971AF

Multiplr: 1.00



Spectrum Information: Average of 5.844 to 5.885 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	39.6	3618	PASS
68	69	0.00	2	1.2	63	PASS
69	198	0.00	100	58.6	5357	PASS
70	69	0.00	2	1.4	75	PASS
127	198	40	60	44.4	4057	PASS
197	198	0.00	1	0.4	33	PASS
198	198	100	100	100.0	9140	PASS
199	198	5	9	6.4	581	PASS
275	198	10	30	19.0	1733	PASS
365	198	1	100	2.6	240	PASS
441	443	0.01	100	2.3	23	PASS
442	198	40	100	59.1	5403	PASS
443	442	17	23	18.1	980	PASS

SV-144

DFTPP

Data File : E:\F\DATA\AUG06\F0808\F5952.D

Acq On : 8 Aug 2006 15:42

Sample : STUNE

Misc :

MS Integration Params: rteint.p

Method : E:\F\METHODS\SVF80725.M (RTE Integrator)

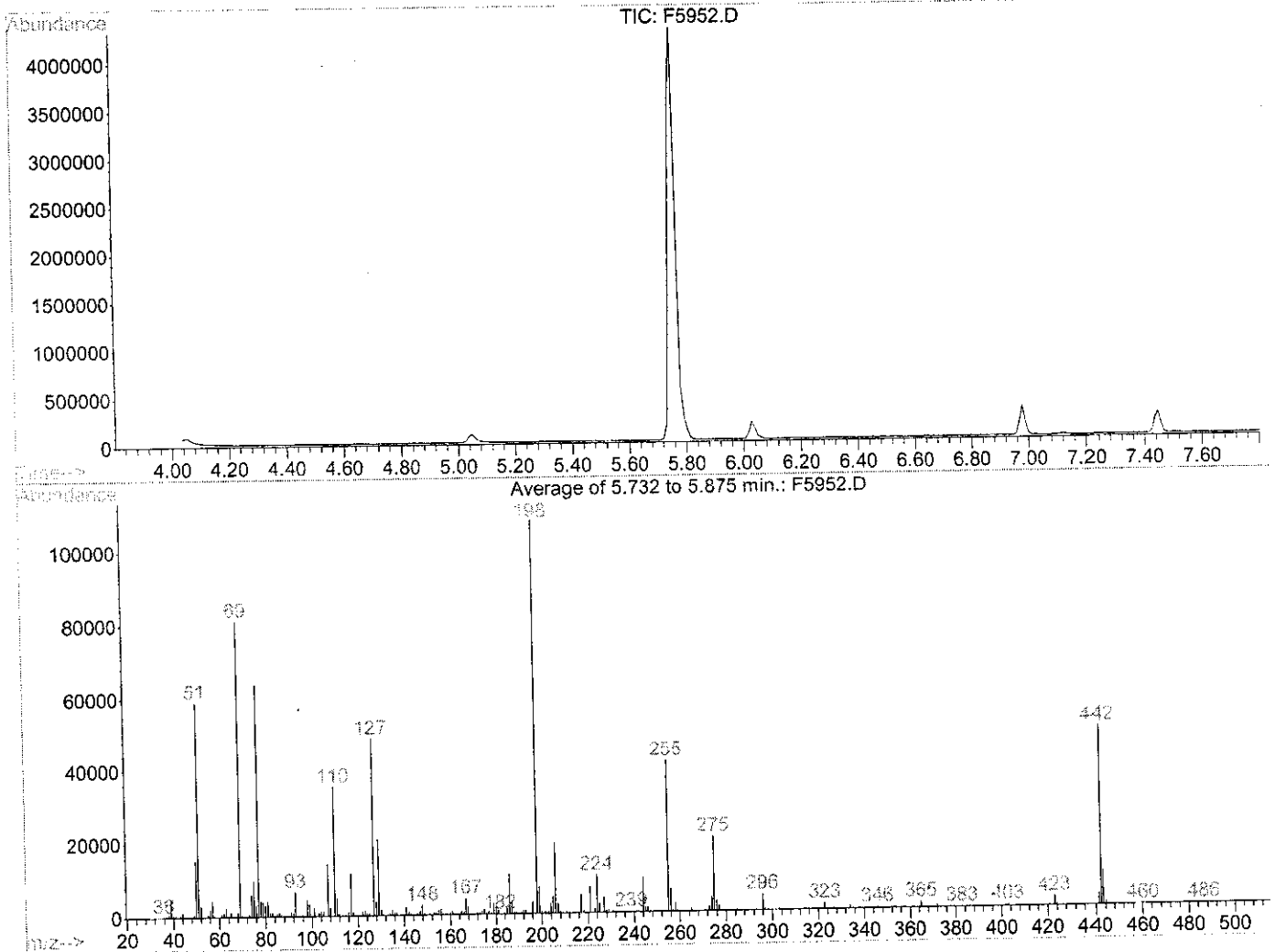
Title : SEMI-VOA 8270 CALIBRATION HP5971AF

Vial: 24

Operator: JOSE

Inst : HP5971AF

Multiplr: 1.00



Spectrum Information: Average of 5.732 to 5.875 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	54.4	58782	PASS
68	69	0.00	2	1.4	1151	PASS
69	198	0.00	100	75.0	81107	PASS
70	69	0.00	2	0.4	356	PASS
127	198	40	60	45.0	48601	PASS
197	198	0.00	1	0.0	14	PASS
198	198	100	100	100.0	108104	PASS
199	198	5	9	6.6	7187	PASS
275	198	10	30	18.8	20275	PASS
365	198	1	100	1.4	1515	PASS
441	443	0.01	100	31.9	2954	PASS
442	198	40	100	45.7	49358	PASS
443	442	17	23	18.8	9270	PASS

SV-145

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK61

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____

Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: SBLK61

Sample wt/vol: 1000 (g/ml) ML Lab File ID: F5867.D

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N) N Date Extracted: 7/28/2006

Concentrated Extract Volume: 500 (uL) Date Analyzed: 7/31/2006

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
91-20-3	Naphthalene	5		U
208-96-8	Acenaphthylene	5		U
83-32-9	Acenaphthene	5		U
86-73-7	Fluorene	5		U
85-01-8	Phenanthrene	5		U
120-12-7	Anthracene	5		U
206-44-0	Fluoranthene	5		U
129-00-0	Pyrene	5		U
56-55-3	Benzo[a]anthracene	5		U
218-01-9	Chrysene	5		U
205-99-2	Benzo[b]fluoranthene	5		U
207-08-9	Benzo[k]fluoranthene	5		U
50-32-8	Benzo[a]pyrene	5		U
193-39-5	Indeno[1,2,3-cd]pyrene	5		U
53-70-3	Dibenz[a,h]anthracene	5		U
191-24-2	Benzo[g,h,i]perylene	5		U

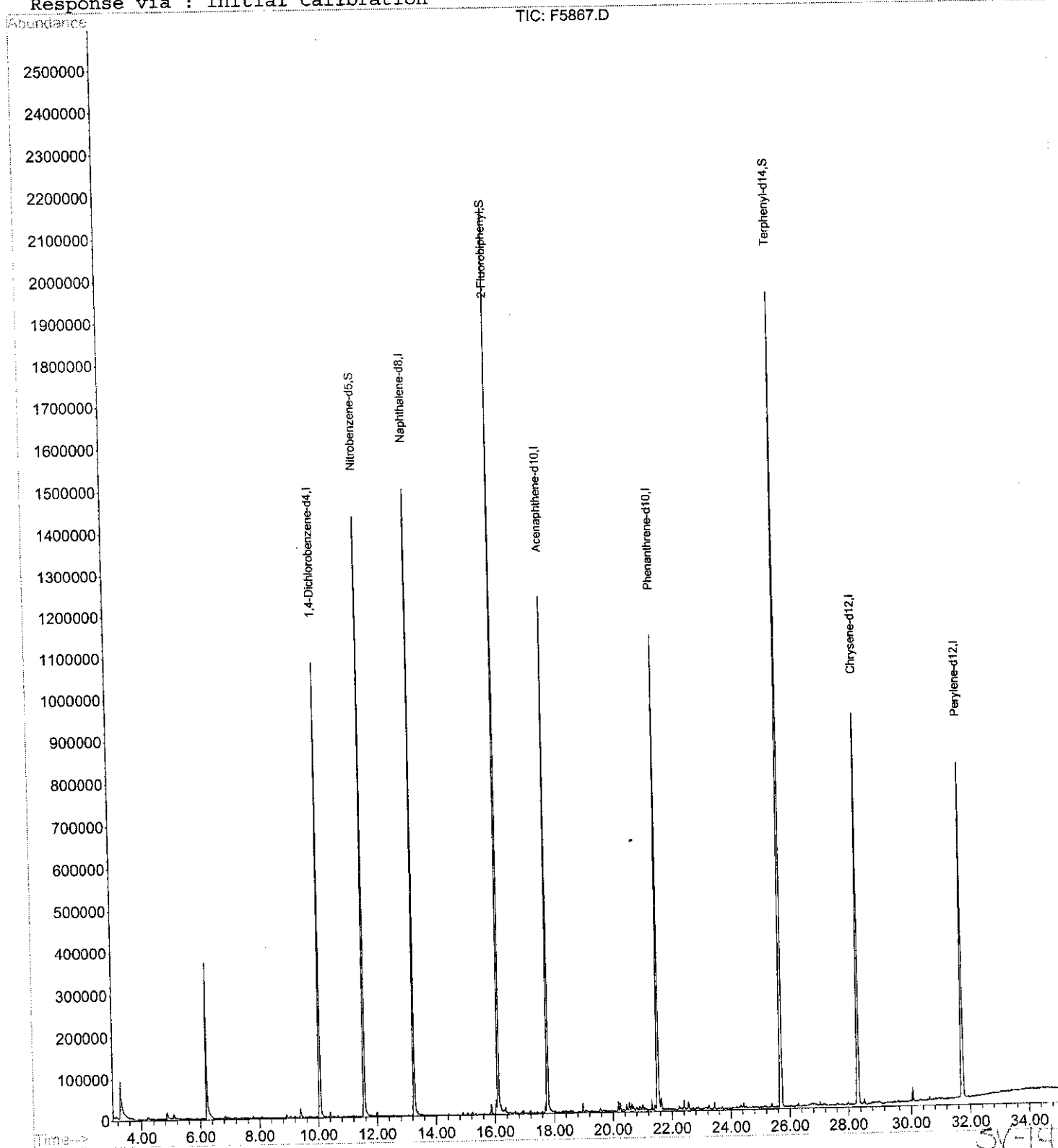
Quantitation Report

Data File : E:\F\DATA\JUL06\F0731\F5867.D
 Acq On : 31 Jul 2006 19:00
 Sample : SBLK61
 Misc : WATER 07/28/06
 MS Integration Params: rteint.p
 Quant Time: Aug 1 8:05 2006

Vial: 11
 Operator: JOSE
 Inst : HP5971AF
 Multiplr: 1.00

Quant Results File: SVF80725.RES

Method : E:\F\METHODS\SVF80725.M (RTE Integrator)
 Title : SEMI-VOA 8270 CALIBRATION HP5971AF
 Last Update : Wed Aug 02 11:13:45 2006
 Response via : Initial Calibration



Data File : E:\F\DATA\JUL06\F0731\F5867.D
 Acq On : 31 Jul 2006 19:00
 Sample : SBLK61
 Misc : WATER 07/28/06
 MS Integration Params: rteint.p
 Quant Time: Aug 1 8:05 2006

Vial: 11
 Operator: JOSE
 Inst : HP5971AF
 Multiplr: 1.00

Quant Results File: SVF80725.RES

Quant Method : E:\F\METHODS\SVF80725.M (RTE Integrator)
 Title : SEMI-VOA 8270 CALIBRATION HP5971AF
 Last Update : Tue Jul 25 16:35:06 2006
 Response via : Initial Calibration
 DataAcq Meth : SVF80725

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.05	152	359818	40.00	ul/l	-0.17
19) Naphthalene-d8	13.26	136	1392969	40.00	ul/l	-0.18
34) Acenaphthene-d10	17.79	164	603482	40.00	ul/l	-0.19
55) Phenanthrene-d10	21.54	188	955125	40.00	ul/l	-0.19
68) Chrysene-d12	28.35	240	858638	40.00	ul/l	-0.19
77) Perylene-d12	31.76	264	750621	40.00	ul/l	-0.19
System Monitoring Compounds						
4) 2-Fluorophenol	0.00	112	0	0.00	ul/l	
Spiked Amount 200.000	Range 21 - 100		Recovery =	0.00%#		
6) Phenol-d5	9.38	99	1241	0.06	ul/l	-0.24
Spiked Amount 200.000	Range 10 - 94		Recovery =	0.03%#		
20) Nitrobenzene-d5	11.56	82	1182841	63.67	ul/l	-0.12
Spiked Amount 100.000	Range 35 - 114		Recovery =	63.67%		
38) 2-Fluorobiphenyl	16.13	172	1524890	76.88	ul/l	-0.18
Spiked Amount 100.000	Range 43 - 116		Recovery =	76.88%		
54) 2,4,6-Tribromophenol	0.00	330	0	0.00	ul/l	
Spiked Amount 200.000	Range 10 - 123		Recovery =	0.00%#		
71) Terphenyl-d14	25.73	244	2052529	102.41	ul/l	-0.14
Spiked Amount 100.000	Range 33 - 141		Recovery =	102.41%		

Target Compounds

Qvalue

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBLK63

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____

Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: SBLK63

Sample wt/vol: 30 (g/ml) G Lab File ID: F5892.D

Level: (low/med) LOW Date Received: _____

% Moisture: 0 decanted:(Y/N) N Date Extracted: 7/31/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/2/2006

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
91-20-3	Naphthalene	330		U
208-96-8	Acenaphthylene	330		U
83-32-9	Acenaphthene	330		U
86-73-7	Fluorene	330		U
85-01-8	Phenanthrene	330		U
120-12-7	Anthracene	330		U
206-44-0	Fluoranthene	330		U
129-00-0	Pyrene	330		U
56-55-3	Benzo[a]anthracene	330		U
218-01-9	Chrysene	330		U
205-99-2	Benzo[b]fluoranthene	330		U
207-08-9	Benzo[k]fluoranthene	330		U
50-32-8	Benzo[a]pyrene	330		U
193-39-5	Indeno[1,2,3-cd]pyrene	330		U
53-70-3	Dibenz[a,h]anthracene	330		U
191-24-2	Benzo[g,h,i]perylene	330		U

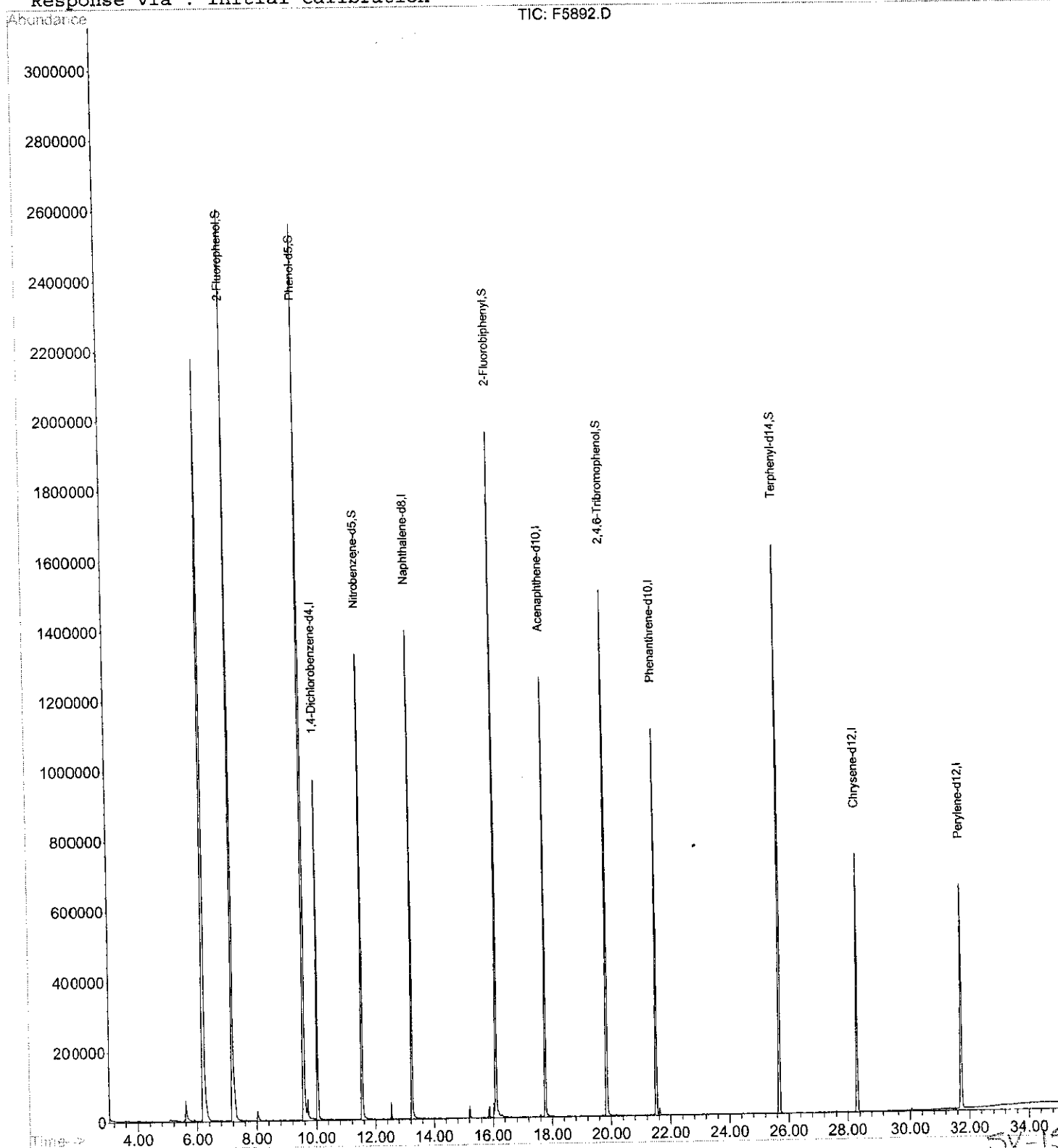
Quantitation Report

Data File : E:\F\DATA\AUG06\F0802\F5892.D
 Acq On : 2 Aug 2006 11:42
 Sample : SBLK63
 Misc : SOIL 07/31/06
 MS Integration Params: rteint.p
 Quant Time: Aug 2 16:06 2006

Vial: 1
 Operator: JOSE
 Inst : HP5971AF
 Multiplr: 1.00

Quant Results File: SVF80725.RES

Method : E:\F\METHODS\SVF80725.M (RTE Integrator)
 Title : SEMI-VOA 8270 CALIBRATION HP5971AF
 Last Update : Wed Aug 02 11:13:45 2006
 Response via : Initial Calibration



Data File : E:\F\DATA\AUG06\F0802\F5892.D

Acq On : 2 Aug 2006 11:42

Sample : SBLK63

Misc : SOIL 07/31/06

MS Integration Params: rteint.p

Quant Time: Aug 2 16:06 2006

Vial: 1

Operator: JOSE

Inst : HP5971AF

Multiplr: 1.00

Quant Results File: SVF80725.RES

Quant Method : E:\F\METHODS\SVF80725.M (RTE Integrator)

Title : SEMI-VOA 8270 CALIBRATION HP5971AF

Last Update : Wed Aug 02 11:32:24 2006

Response via : Initial Calibration

DataAcq Meth : SVF80725

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.05	152	337555	40.00	ul/l	0.00
19) Naphthalene-d8	13.25	136	1309105	40.00	ul/l	-0.03
34) Acenaphthene-d10	17.77	164	607830	40.00	ul/l	-0.04
55) Phenanthrene-d10	21.53	188	835437	40.00	ul/l	-0.03
68) Chrysene-d12	28.33	240	628945	40.00	ul/l	-0.05
77) Perylene-d12	31.74	264	614157	40.00	ul/l	-0.04

System Monitoring Compounds

4) 2-Fluorophenol	7.18	112	1765170	131.88	ul/l	0.02
Spiked Amount	200.000	Range	25 - 121	Recovery	=	65.94%
6) Phenol-d5	9.60	99	2700540	147.25	ul/l	0.00
Spiked Amount	200.000	Range	24 - 113	Recovery	=	73.63%
20) Nitrobenzene-d5	11.55	82	1069459	61.25	ul/l	-0.04
Spiked Amount	100.000	Range	23 - 120	Recovery	=	61.25%
38) 2-Fluorobiphenyl	16.11	172	1388655	69.51	ul/l	-0.03
Spiked Amount	100.000	Range	30 - 115	Recovery	=	69.51%
54) 2,4,6-Tribromophenol	19.85	330	414384	136.37	ul/l	-0.03
Spiked Amount	200.000	Range	19 - 122	Recovery	=	68.19%
71) Terphenyl-d14	25.71	244	1434629	97.72	ul/l	0.00
Spiked Amount	100.000	Range	18 - 137	Recovery	=	97.72%

Target Compounds

Qvalue

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK61MS

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____
 Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____
 Matrix: (soil/water) WATER Lab Sample ID: SBLK61MS
 Sample wt/vol: 1000 (g/ml) ML Lab File ID: F5868.D
 Level: (low/med) LOW Date Received: _____
 % Moisture: _____ decanted:(Y/N) N Date Extracted: 7/28/2006
 Concentrated Extract Volume: 500 (uL) Date Analyzed: 7/31/2006
 Injection Volume: 1.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/L	
91-20-3	Naphthalene		5	U
208-96-8	Acenaphthylene		5	U
83-32-9	Acenaphthene		46	
86-73-7	Fluorene		5	U
85-01-8	Phenanthrene		5	U
120-12-7	Anthracene		5	U
206-44-0	Fluoranthene		5	U
129-00-0	Pyrene		59	
56-55-3	Benzo[a]anthracene		5	U
218-01-9	Chrysene		5	U
205-99-2	Benzo[b]fluoranthene		5	U
207-08-9	Benzo[k]fluoranthene		5	U
50-32-8	Benzo[a]pyrene		5	U
193-39-5	Indeno[1,2,3-cd]pyrene		5	U
53-70-3	Dibenz[a,h]anthracene		5	U
191-24-2	Benzo[g,h,i]perylene		5	U

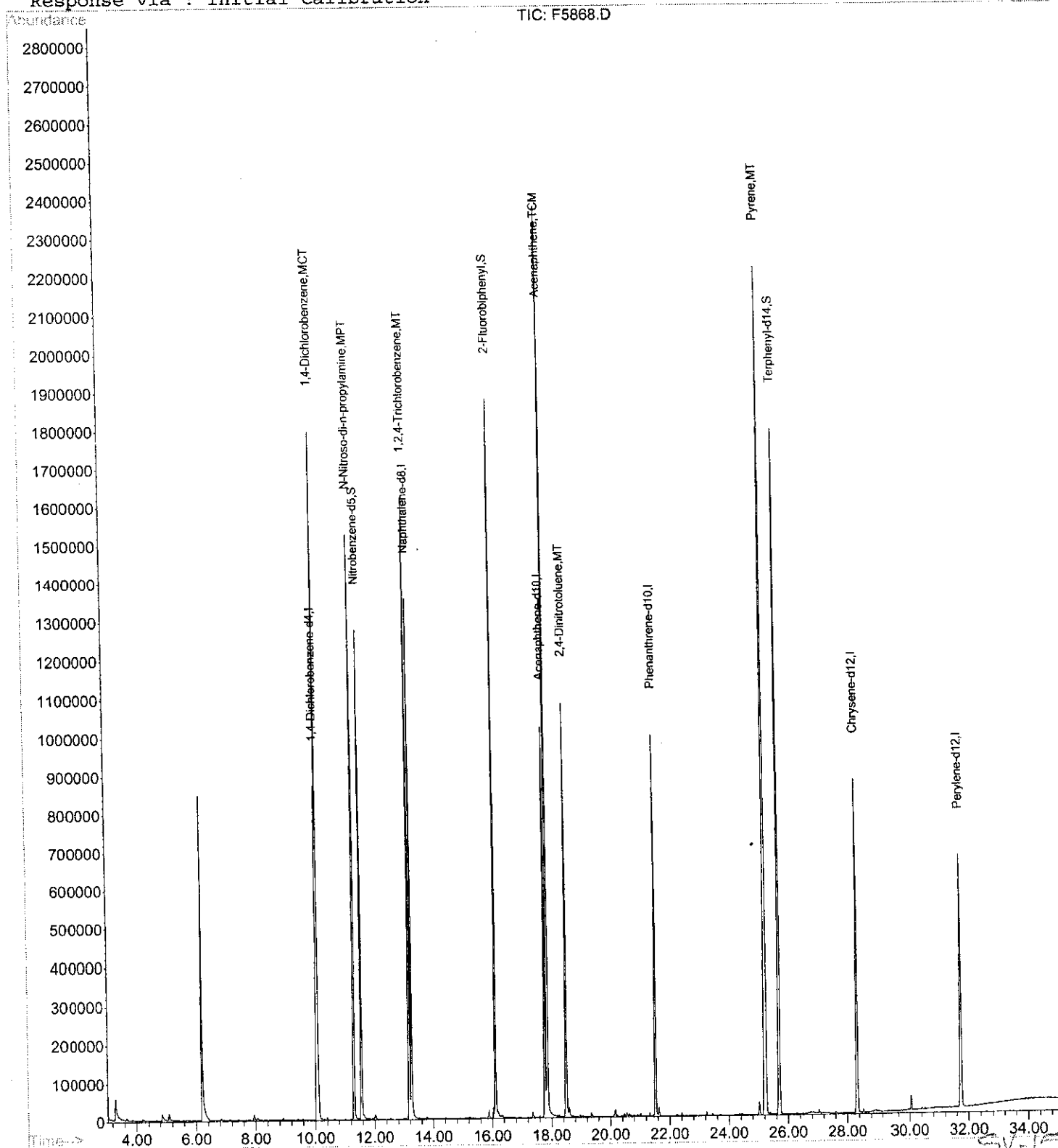
Quantitation Report

Data File : E:\F\DATA\JUL06\F0731\F5868.D
 Acq On : 31 Jul 2006 19:46
 Sample : SBLK61MS
 Misc : WATER 07/28/06
 MS Integration Params: rteint.p
 Quant Time: Aug 8 14:31 2006

Vial: 12
 Operator: JOSE
 Inst : HP5971AF
 Multiplr: 1.00

Quant Results File: SVF80725.RES

Method : E:\F\METHODS\SVF80725.M (RTE Integrator)
 Title : SEMI-VOA 8270 CALIBRATION HP5971AF
 Last Update : Wed Aug 02 11:13:45 2006
 Response via : Initial Calibration



Data File : E:\F\DATA\JUL06\F0731\F5868.D
 Acq On : 31 Jul 2006 19:46
 Sample : SBLK61MS
 Misc : WATER 07/28/06
 MS Integration Params: rteint.p
 Quant Time: Aug 8 14:31 2006

Vial: 12
 Operator: JOSE
 Inst : HP5971AF
 Multiplr: 1.00

Quant Results File: SVF80725.RES

Quant Method : E:\F\METHODS\SVF80725.M (RTE Integrator)
 Title : SEMI-VOA 8270 CALIBRATION HP5971AF
 Last Update : Tue Jul 25 16:35:06 2006
 Response via : Initial Calibration
 DataAcq Meth : SVF80725

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.05	152	310514	40.00	ul/l	-0.17
19) Naphthalene-d8	13.27	136	1190624	40.00	ul/l	-0.17
34) Acenaphthene-d10	17.79	164	519295	40.00	ul/l	-0.19
55) Phenanthrene-d10	21.54	188	761863	40.00	ul/l	-0.19
68) Chrysene-d12	28.34	240	728841	40.00	ul/l	-0.21
77) Perylene-d12	31.75	264	597958	40.00	ul/l	-0.19

System Monitoring Compounds

4) 2-Fluorophenol	0.00	112	0	0.00	ul/l	
Spiked Amount	200.000	Range 21 - 100	Recovery =	0.00%		
6) Phenol-d5	0.00	99	0	0.00	ul/l	
Spiked Amount	200.000	Range 10 - 94	Recovery =	0.00%		
20) Nitrobenzene-d5	11.56	82	973151	61.28	ul/l	-0.12
Spiked Amount	100.000	Range 35 - 114	Recovery =	61.28%		
38) 2-Fluorobiphenyl	16.12	172	1275352	74.72	ul/l	-0.18
Spiked Amount	100.000	Range 43 - 116	Recovery =	74.72%		
54) 2,4,6-Tribromophenol	0.00	330	0	0.00	ul/l	
Spiked Amount	200.000	Range 10 - 123	Recovery =	0.00%		
71) Terphenyl-d14	25.71	244	1717180	100.94	ul/l	-0.16
Spiked Amount	100.000	Range 33 - 141	Recovery =	100.94%		

Target Compounds

Qvalue

11) 1,4-Dichlorobenzene	10.09	146	867368	73.25	ul/l	98
17) N-Nitroso-di-n-propylamine	11.32	70	870240	73.36	ul/l	96
28) 1,2,4-Trichlorobenzene	13.19	180	702157	75.20	ul/l	98
44) Acenaphthene	17.88	153	1322055	92.29	ul/l	97
49) 2,4-Dinitrotoluene	18.51	165	537493	83.20	ul/l	77
70) Pyrene	25.25	202	3076685	118.33	ul/l	96

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBLK63MS

Lab Name: ACCREDITED ANALYTICAL RESO Contract: _____

Lab Code: _____ Case No.: 2903 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: SBLK63MS

Sample wt/vol: 30 (g/ml) G Lab File ID: F5893.D

Level: (low/med) LOW Date Received: _____

% Moisture: 0 decanted:(Y/N) N Date Extracted: 7/31/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/2/2006

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
91-20-3	Naphthalene		330	U
208-96-8	Acenaphthylene		330	U
83-32-9	Acenaphthene		2400	
86-73-7	Fluorene		330	U
85-01-8	Phenanthrene		330	U
120-12-7	Anthracene		330	U
206-44-0	Fluoranthene		330	U
129-00-0	Pyrene		3200	
56-55-3	Benzo[a]anthracene		330	U
218-01-9	Chrysene		330	U
205-99-2	Benzo[b]fluoranthene		330	U
207-08-9	Benzo[k]fluoranthene		330	U
50-32-8	Benzo[a]pyrene		330	U
193-39-5	Indeno[1,2,3-cd]pyrene		330	U
53-70-3	Dibenz[a,h]anthracene		330	U
191-24-2	Benzo[g,h,i]perylene		330	U

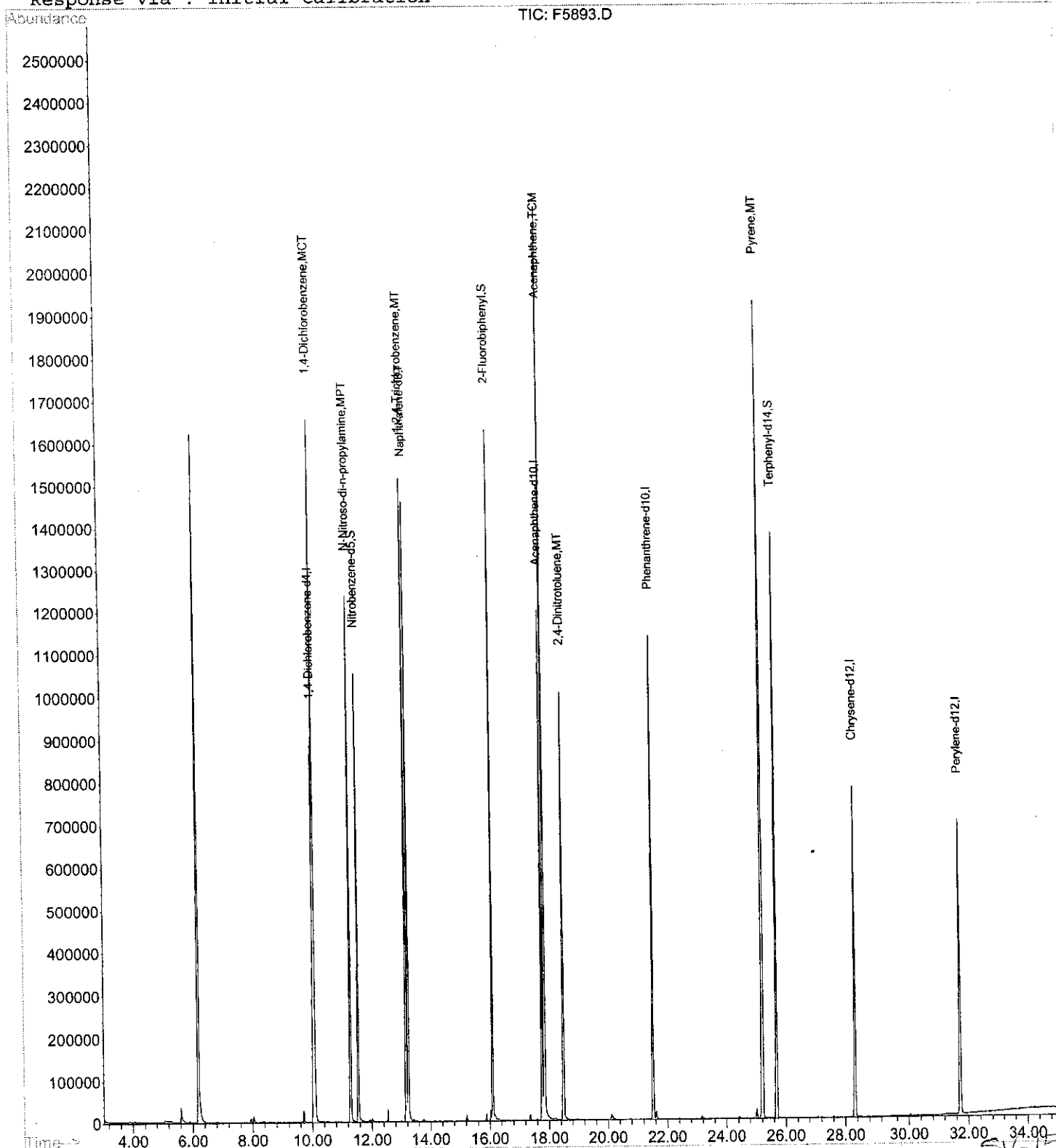
Quantitation Report

Data File : E:\F\DATA\AUG06\F0802\F5893.D
 Acq On : 2 Aug 2006 12:28
 Sample : SBLK63MS
 Misc : SOIL 07/31/06
 MS Integration Params: rteint.p
 Quant Time: Aug 8 14:30 2006

Vial: 2
 Operator: JOSE
 Inst : HP5971AF
 Multiplr: 1.00

Quant Results File: SVF80725.RES

Method : E:\F\METHODS\SVF80725.M (RTE Integrator)
 Title : SEMI-VOA 8270 CALIBRATION HP5971AF
 Last Update : Wed Aug 02 11:13:45 2006
 Response via : Initial Calibration



Data File : E:\F\DATA\AUG06\F0802\F5893.D

Vial: 2

Acq On : 2 Aug 2006 12:28

Operator: JOSE

Sample : SBLK63MS

Inst : HP5971AF

Misc : SOIL 07/31/06

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Aug 8 14:30 2006

Quant Results File: SVF80725.RES

Quant Method : E:\F\METHODS\SVF80725.M (RTE Integrator)

Title : SEMI-VOA 8270 CALIBRATION HP5971AF

Last Update : Wed Aug 02 11:32:24 2006

Response via : Initial Calibration

DataAcq Meth : SVF80725

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.04	152	321093	40.00	ul/l	0.00
19) Naphthalene-d8	13.25	136	1257336	40.00	ul/l	-0.03
34) Acenaphthene-d10	17.78	164	564849	40.00	ul/l	-0.03
55) Phenanthrene-d10	21.53	188	848753	40.00	ul/l	-0.03
68) Chrysene-d12	28.33	240	657035	40.00	ul/l	-0.05
77) Perylene-d12	31.74	264	649578	40.00	ul/l	-0.04

System Monitoring Compounds

4) 2-Fluorophenol	0.00	112	0	0.00	ul/l	
Spiked Amount	200.000	Range	25 - 121	Recovery	=	0.00%#
6) Phenol-d5	0.00	99	0	0.00	ul/l	
Spiked Amount	200.000	Range	24 - 113	Recovery	=	0.00%#
20) Nitrobenzene-d5	11.55	82	788472	47.02	ul/l	-0.04
Spiked Amount	100.000	Range	23 - 120	Recovery	=	47.02%
38) 2-Fluorobiphenyl	16.10	172	1048922	56.50	ul/l	-0.04
Spiked Amount	100.000	Range	30 - 115	Recovery	=	56.50%
54) 2,4,6-Tribromophenol	0.00	330	0	0.00	ul/l	
Spiked Amount	200.000	Range	19 - 122	Recovery	=	0.00%#
71) Terphenyl-d14	25.69	244	1104662	72.03	ul/l	-0.02
Spiked Amount	100.000	Range	18 - 137	Recovery	=	72.03%

Target Compounds

Qvalue

11) 1,4-Dichlorobenzene	10.08	146	817410	66.75	ul/l	99
17) N-Nitroso-di-n-propylamine	11.30	70	686866	56.00	ul/l	100
28) 1,2,4-Trichlorobenzene	13.17	180	669013	67.85	ul/l	99
44) Acenaphthene	17.87	153	1125558	72.23	ul/l	99
49) 2,4-Dinitrotoluene	18.50	165	493118	70.17	ul/l	87
70) Pyrene	25.22	202	2226807	95.00	ul/l	98

SV-157

Monday July 31, 2006

DFTPPF
SVF80725STONE
SST0050F5855
56

SBLK62

F5857

L

SBLK62MS

58

0606853

59

6854

60

6855

61

6856

62

6854DL

63

1:50

6861

64

6862

65

6862MS

66

SBLK61

67

A

SBLK61MS

68

7123

69

7115

70

7116

71

80PPM REPLHA

72

Continued on Page

Read and Understood By

SV-158


 Signed

 7/31/06
 Date

Signed

Date

JPTPF
SVF80725

— RN ONLY —

STONE
SSD 050

0607117

7118

7119

7120

7121

7108

7109

7110

7111

7113

7114

7112

7112 DC

6891

6895

F5873

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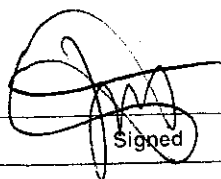
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Continued on Page _____

Read and Understood By _____


Signed8/1/06
Date

Signed _____

Date

SV-159

Wednesday Aug. 2, 2006

DFTPPF

SUF 80725

STONE
SST 2050

F5890

91

SBLK 63

F5892

S

SBLK 63 MB

93

SBLK 65

94

SBLK 65 MS

95

SBLK 66

96

060 7138

97

6898

98

6900

99

6891 DL

5900

1:5

6895 DL

01

7119 DL

02

A

7245

03

S

7246

04

S

7247

05

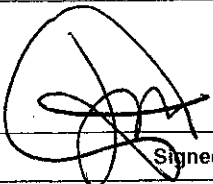
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Read and Understood By

SV-160



Signed

8/2/06

Date

Signed

Date

PROJECT Tuesday Aug. 8, 2006

Notebook No. _____
Continued From Page _____

DRTAPF
SUF80725

— BN ONLY —

STONE
SSTD050

F5952
53

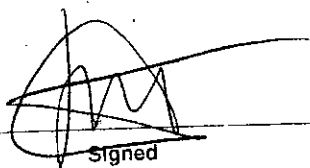
0607123

F5954

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Read and Understood By


Signed

8/8/06
Date

Signed

SV-161

Date

ACCREDITED ANALYTICAL RESOURCES, LLC
PERCENT SOLIDS DETERMINATION

AAR #	SAMPLE + PAN	PAN	SAMPLE	DRY WGT SAMPLE + PAN	TIME IN	TEMP	DATE	TIME OUT	TEMP	DATE	% SOLID	INIT
200607096	12.7	1.3	11.4	11.1	1015	107	7/27	1530	107	7/27	86.0	CD
200607097	13.9	1	12.6	12.0							84.9	
200607098	12.3	1	11.0	10.7							85.5	
200607099	12.5	1.2	11.3	10.8							85.0	
200607100	13.2	1.3	11.9	11.3							84.0	
A 200607101	14.7	1	13.4	12.9							86.6	
200607102												
200607103												
200607104												
200607105												
200607106												
200607107												
200607108	12.4	1.3	11.1	10.0	930	107	7/28	1500	107	7/28	78.4	CD
200607109	13.5	1	12.2	10.7							77.0	
200607110	12.2	1	10.9	9.6							76.1	

REVIEWED BY

Page: 3171

% SOLIDS = ((DRY WT SAMPLE PAN) - PAN) x 100 / INITIAL WEIGHT
NOTE: All weights are reported in grams.

SV-162

ACCREDITED ANALYTICAL RESOURCES, LLC
PERCENT SOLIDS DETERMINATION

AAR #	SAMPLE + PAN	PAN	SAMPLE	DRY WGT SAMPLE + PAN	TIME IN	TEMP	DATE	TIME OUT	TEMP	DATE	% SOLID	INIT
200607111	14.0	1.4	12.6	10.5	930	107	7/28	1500	107	7/28	72.2	72
200607112	14.2	1.3	12.9	12.5							86.8	
200607113	12.9		11.4	9.6							72.8	
200607114	13.0		11.7	9.2							67.5	
200607115												
200607116												
200607117												
200607118												
200607119												
200607120												
200607121												
200607122												
200607123	14.3	1.3	13.0	11.8	930	107	7/28	1500	107	7/28	80.8	80
200607124	12.2	1.2	11.0	11.4	930	107	7/28				92.7	
200607125												

REVIEWED BY

% SOLIDS = ((DRY WT SAMPLE PAN) - PAN) x 100 / INITIAL WEIGHT
NOTE: All weights are reported in grams.

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