

User: Vinci, David L
 Westchester Dept. of Labs & Research
 Date: 05/07/2002 Time: 11:17:35

Sample: AE08969
 Analysis: \$GCMS GCMS Scan For Unknowns
 Units: ug
 Started: 5/7/02 11:16 Ended: 5/7/02 11:16 Analyst: DLV
 Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		81		10.0

Comments for Sample AE08969 - Analysis \$GCMS

Westchester Dept. of Labs & Research

User: Vinci, David L

Date: 05-07-2002 Time: 11:17:30

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. The recovery for 1 of the 43 compounds in the LCS Standard was low.

Data File : C:\MSDCHEM\1\DATA\020424\08969.D

Acq On : 25 Apr 2002 1:35 am

Sample : sample

Misc :

MS Integration Params: events.e

Quant Time: Apr 26 10:27:37 2002

Vial: 17

Operator: Nefliu

Inst : Instrumen

Multiplr: 1.00

Quant Results File: SCAN020424.RE

Quant Method : C:\MSDCHEM\1\METHODS\SCAN020424.M (Chemstation Integrator)

Title : Method 508 GC/MS Scan

Last Update : Wed Apr 24 08:54:34 2002

Response via : Initial Calibration

DataAcq Meth : 508SCAN1

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	11.38	152	9323400	40.00	ug/l	-0.01
10) Naphthalene-d8	16.54	136	35779347	40.00	ug/l	-0.03
17) Acenaphthene-d10	24.46	164	19912020	40.00	ug/l	-0.02
30) Phenanthrene-d10	31.72	188	29171391	40.00	ug/l	-0.02
38) Chrysene-d12	39.93	240	22349294	40.00	ug/l	-0.05
44) Perylene-d12	43.15	264	14646043	40.00	ug/l	-0.02

System Monitoring Compounds

27) TCMX	27.54	207	907736	8.10	ug/l	-0.03
Spiked Amount	10.000		Recovery	=	81.00%	

Target Compounds

Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed
08969.D SCAN020424.M Fri Apr 26 10:29:43 2002 Page 1

Quantitation Report (QT Reviewed)

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Acq On : 25 Apr 2002 1:35 am

Sample : sample

Misc :

MS Integration Params: events.e

Quant Time: Apr 26 10:29 2002

Vial: 17

Operator: Nefliu

Inst : Instrumen

Multiplr: 1.00

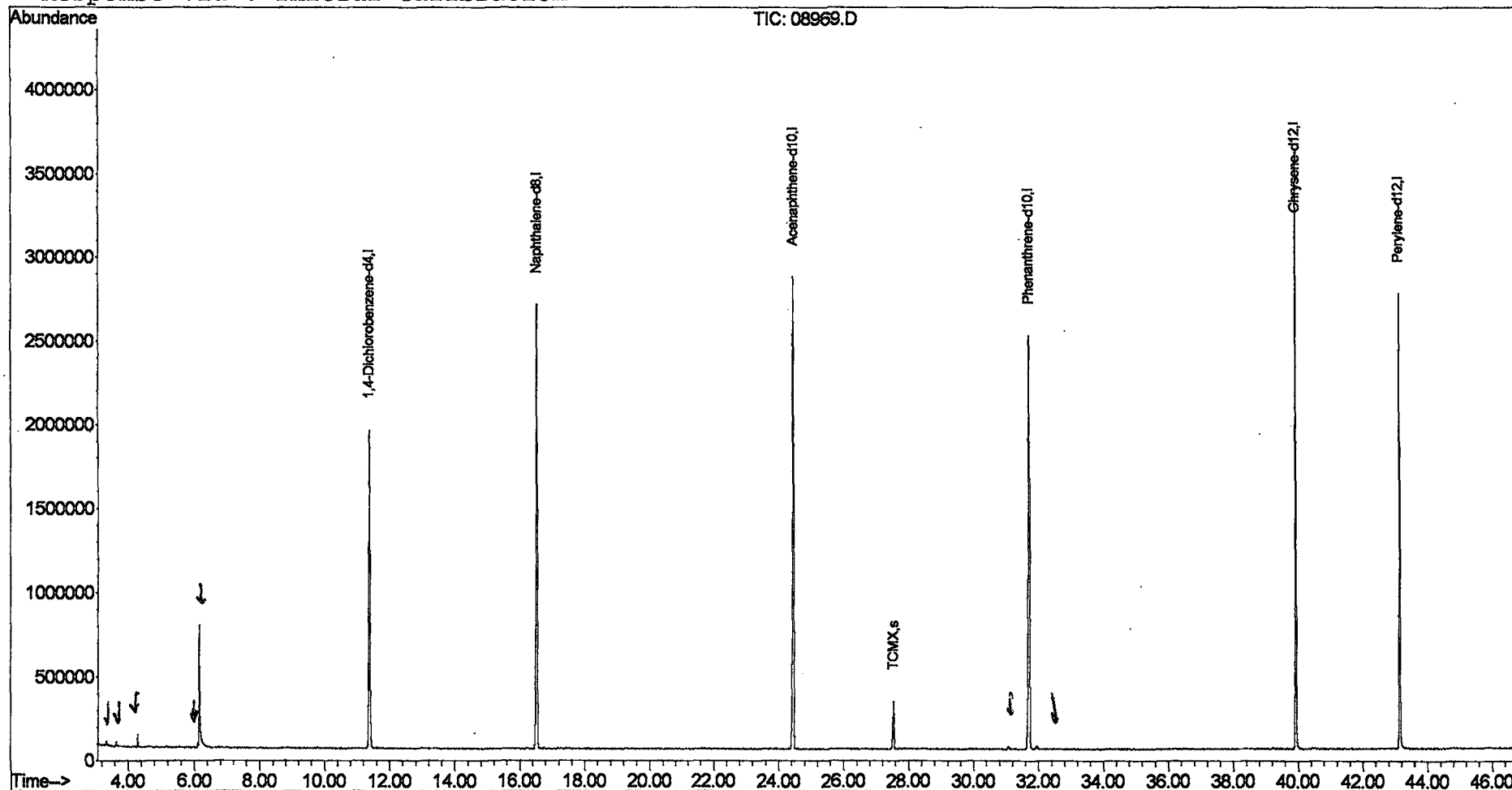
Quant Results File: SCAN020424.RES

Method : C:\MSDCHEM\1\METHODS\SCAN020424.M (Chemstation Integrator)

Title : Method 508 GC/MS Scan

Last Update : Wed Apr 24 08:54:34 2002

Response via : Initial Calibration



Data File : C:\MSDCHEM\1\DATA\020424\08969.D

Acq On : 25 Apr 2002 1:35 am

Sample : sample

Misc :

MS Integration Params: rteint.e

Vial: 17

Operator: Nefliu

Inst : Instrumen

Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\SCAN020424.M (RTE Integrator)

Title : Method 508 GC/MS Scan

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 5 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

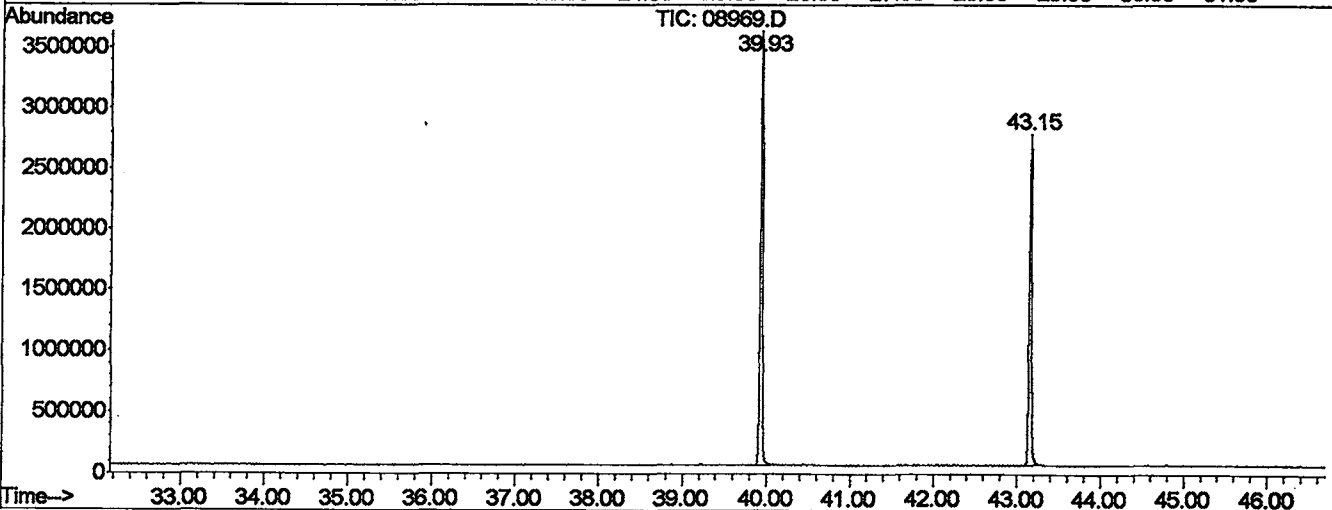
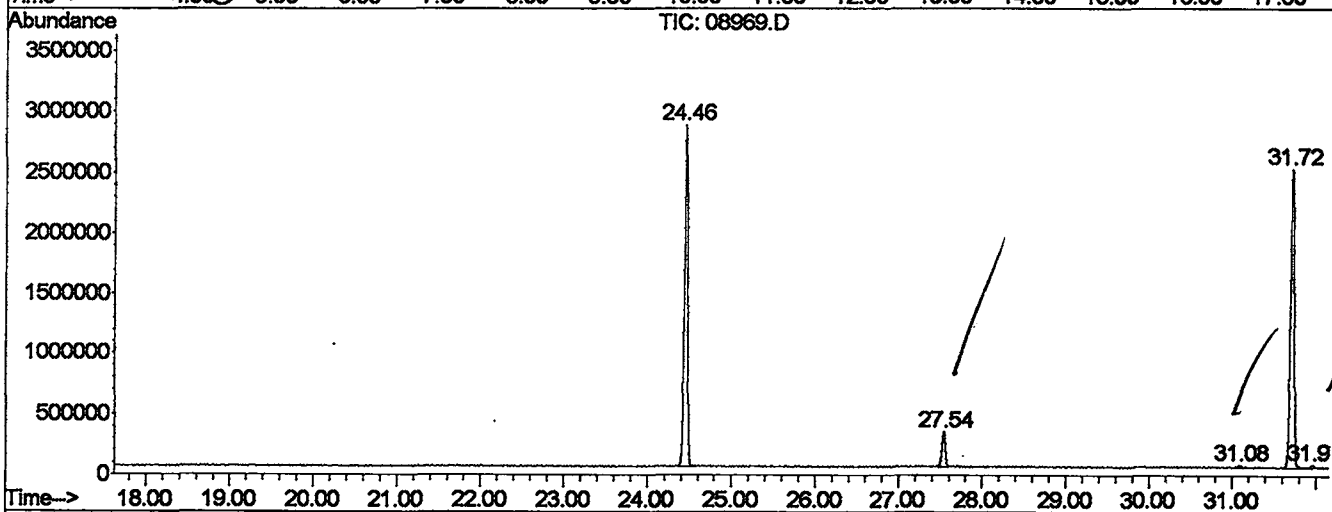
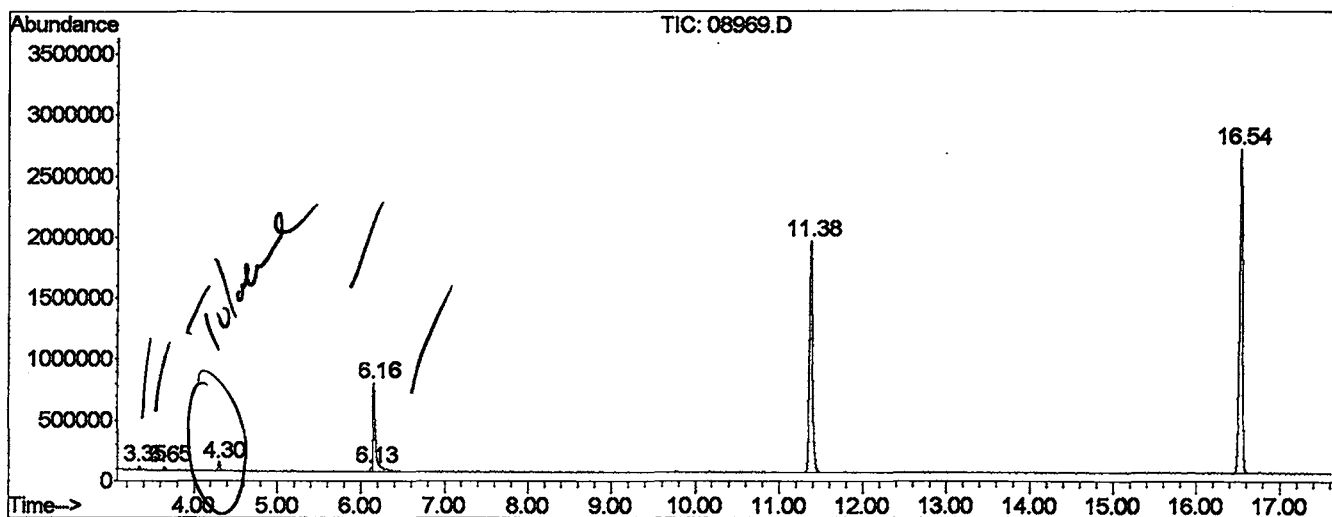
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.355	43	47	51	BV 2	24358	248022	0.33%	0.061%
2	3.655	93	98	104	PV 2	27823	371244	0.49%	0.092%
3	4.301	203	208	218	PV	73428	1012187	1.34%	0.250%
4	6.128	511	519	520	BV 2	32631	440257	0.58%	0.109%
5	6.158	520	524	570	VV	721108	15383897	20.44%	3.799%
6	11.375	1400	1412	1439	PV	1881412	48066735	63.87%	11.870%
7	16.534	2271	2290	2304	PV	2620140	66200315	87.96%	16.347%
8	24.460	3623	3639	3661	PV	2802580	75259221	100.00%	18.584%
9	27.539	4151	4163	4174	VV 2	285488	7725566	10.27%	1.908%
10	31.082	4756	4766	4777	BV 6	16312	573955	0.76%	0.142%
11	31.717	4855	4874	4904	VV 2	2462968	73457548	97.61%	18.140%
12	31.958	4904	4915	4928	VV 3	19662	555417	0.74%	0.137%
13	39.937	6255	6273	6293	BV 2	3510576	65326112	86.80%	16.132%
14	43.156	6810	6821	6840	PV 2	2681116	50337116	66.88%	12.430%

Sum of corrected areas: 404957592

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\020424\08969.D
 Operator : Nefliu
 Acquired : 25 Apr 2002 1:35 am using AcqMethod 508SCAN1
 Instrument : Instrumen
 Sample Name: sample
 Misc Info :
 Vial Number: 17
 Quant File :SCAN020424.RES (Chemstation Integrator)



Data File : C:\MSDCHEM\1\DATA\020424\08969.D
 Acq On : 25 Apr 2002 1:35 am
 Sample : sample
 Misc :
 MS Integration Params: rteint.e

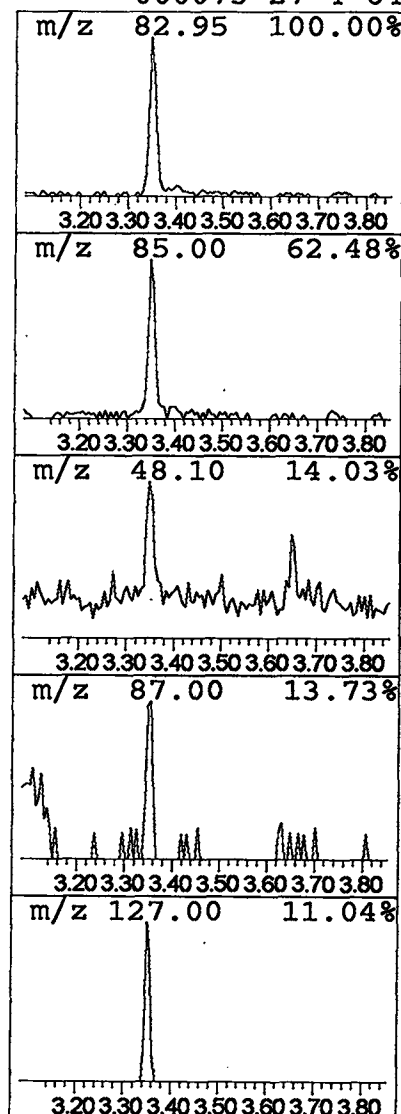
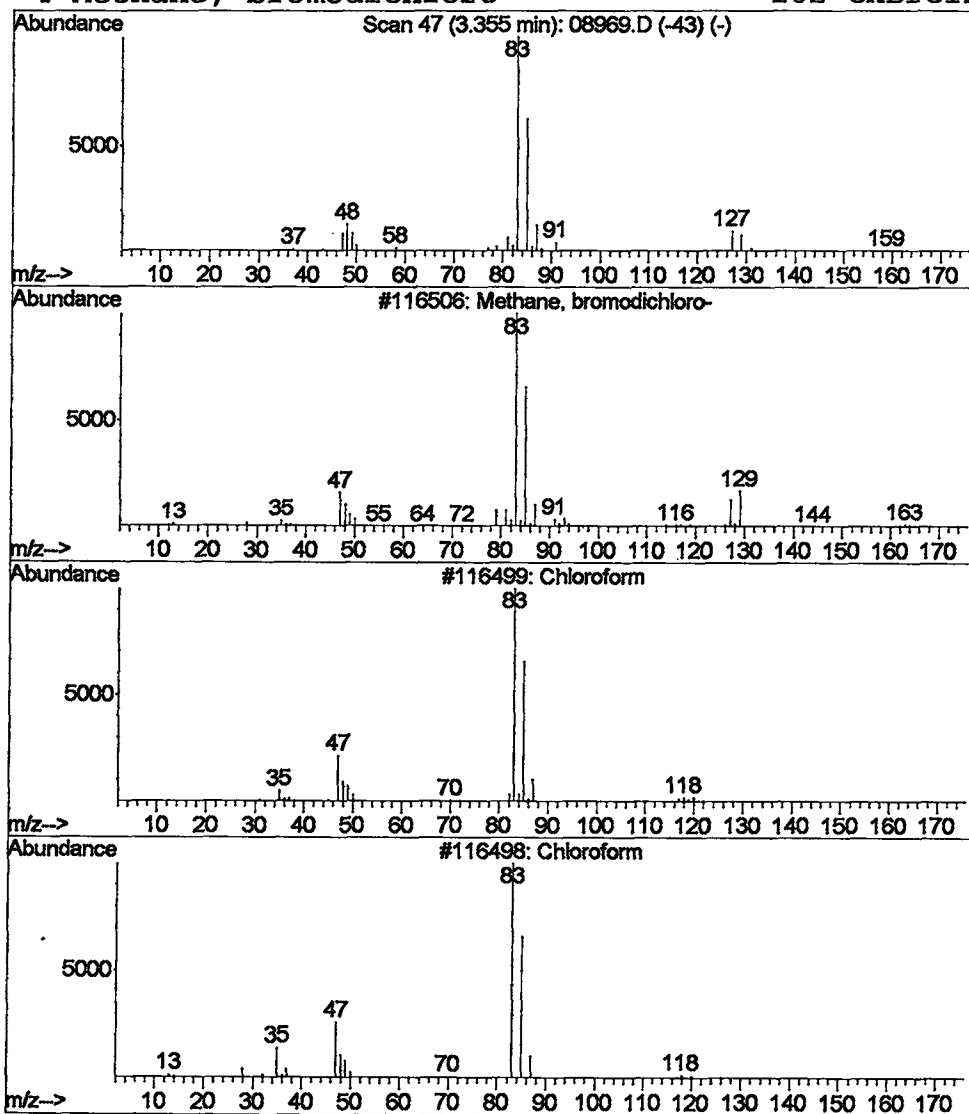
Vial: 17
 Operator: Nefliu
 Inst : Instrumen
 Multiplr: 1.00

Quant Method : C:\MSDCHEM\1\METHODS\SCAN020424.M (Chemstation Integrator)
 Title : Method 508 GC/MS Scan
 Library : C:\DATABASE\nist98.1

 Peak Number 1 Methane, bromodichloro- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.35	0.21 ug/l	248022	1,4-Dichlorobenzene-d4	11.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Methane, bromodichloro-	162	CHBrCl2	000075-27-4	72
2		Chloroform	118	CHCl3	000067-66-3	64
3		Chloroform	118	CHCl3	000067-66-3	64
4		Methane, bromodichloro-	162	CHBrCl2	000075-27-4	64



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 Sample : sample
 Misc :
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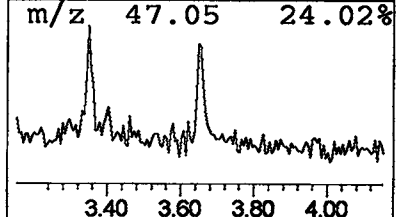
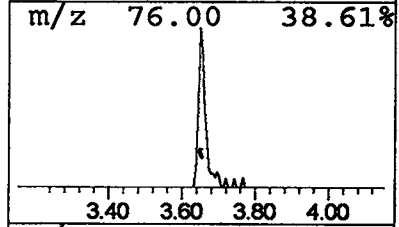
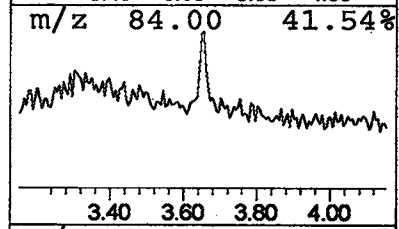
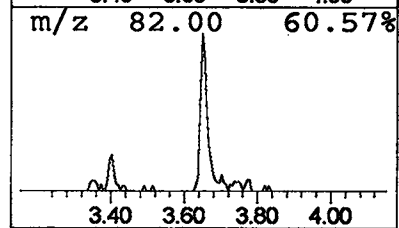
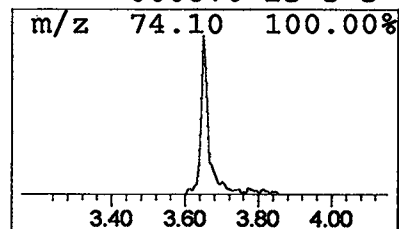
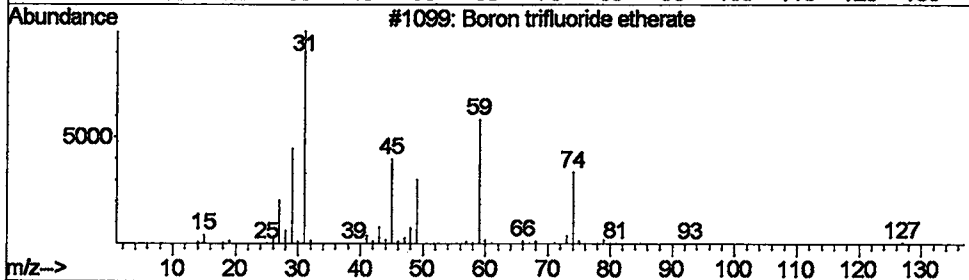
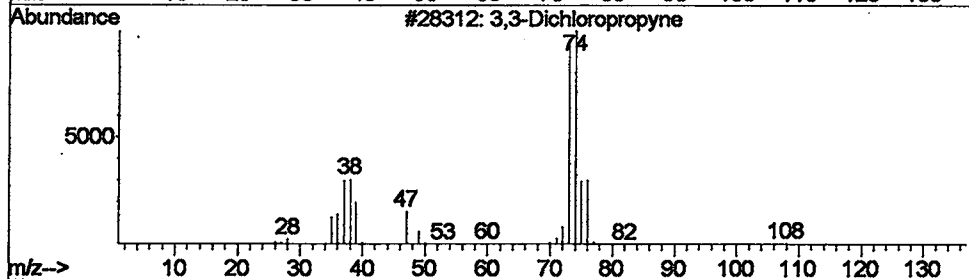
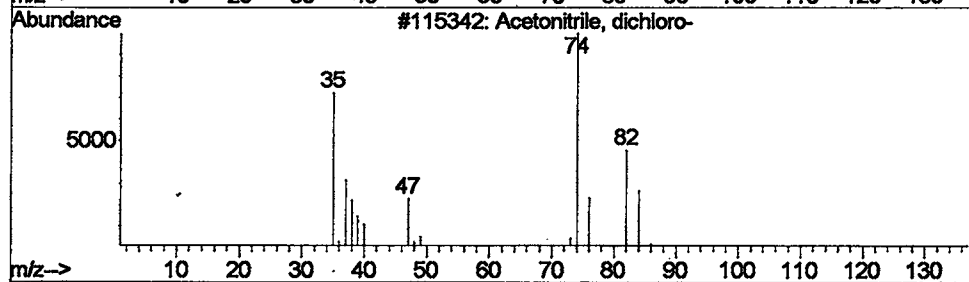
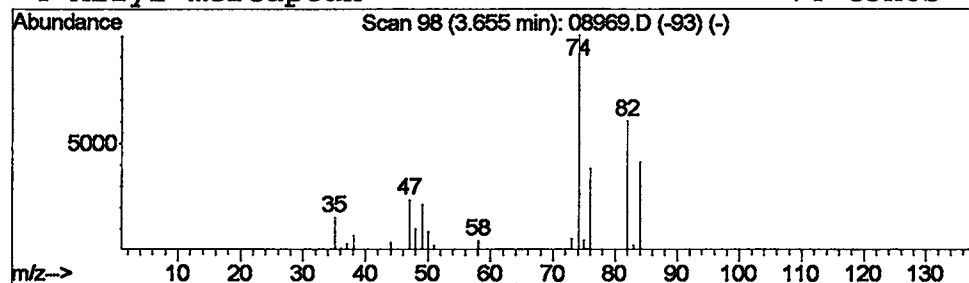
Vial: 17
 Operator: Nefliu
 Inst : Instrumen
 Multiplr: 1.00

Quant Method : C:\MSDCHEM\1\METHODS\SCAN020424.M (Chemstation Integrator)
 Title : Method 508 GC/MS Scan
 Library : C:\DATABASE\nist98.1

 Peak Number 2 Acetonitrile, dichloro- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.65	0.31 ug/l	371244	1,4-Dichlorobenzene-d4	11.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	9
2		3,3-Dichloropropyne	108	C3H2Cl2	1000222-23-9	4
3		Boron trifluoride etherate	142	C4H10BF3O	000109-63-7	4
4		Allyl mercaptan	74	C3H6S	000870-23-5	3



Data File : C:\MSDCHEM\1\DATA\020424\08969.D
 Acq On : 25 Apr 2002 1:35 am
 Sample : sample
 Misc :
 MS Integration Params: rteint.e

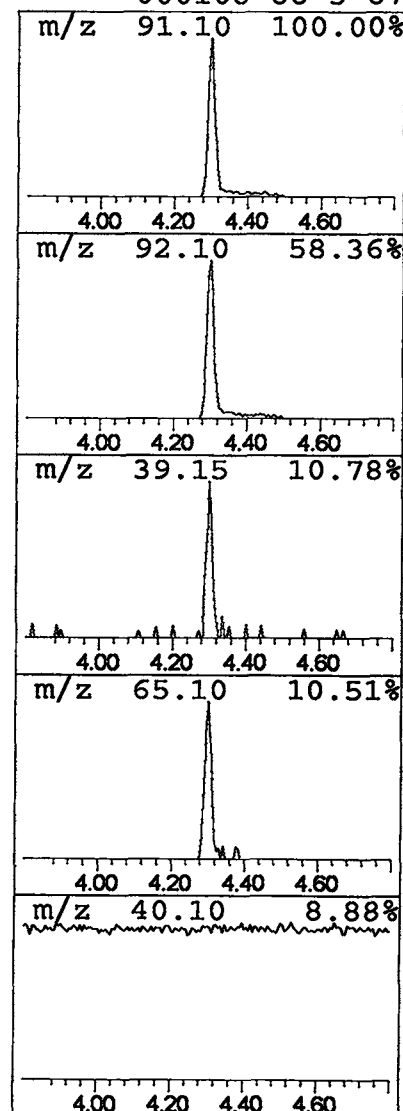
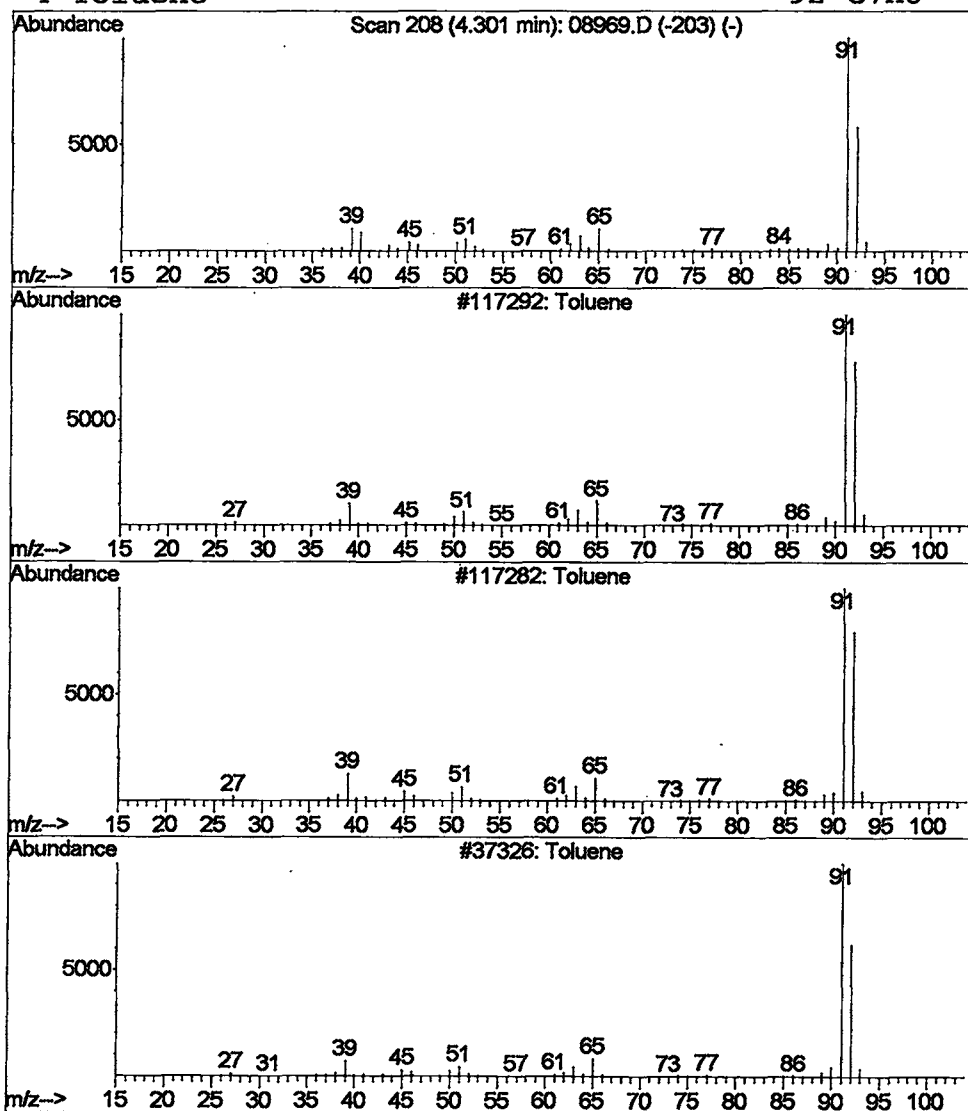
Vial: 17
 Operator: Nefliu
 Inst : Instrumen
 Multiplr: 1.00

Quant Method : C:\MSDCHEM\1\METHODS\SCAN020424.M (Chemstation Integrator)
 Title : Method 508 GC/MS Scan
 Library : C:\DATABASE\nist98.l

 Peak Number 3 Toluene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.30	0.84 ug/l	1012190	1,4-Dichlorobenzene-d4	11.38

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Toluene		92	C7H8	000108-88-3	93
2	Toluene		92	C7H8	000108-88-3	91
3	Toluene		92	C7H8	000108-88-3	87
4	Toluene		92	C7H8	000108-88-3	87



Data File : C:\MSDCHEM\1\DATA\020424\08969.D

Acq On : 25 Apr 2002 1:35 am

Sample : sample

Misc :

MS Integration Params: rteint.e

Vial: 17

Operator: Nefliu

Inst : Instrumen

Multiplr: 1.00

Quant Method : C:\MSDCHEM\1\METHODS\SCAN020424.M (Chemstation Integrator)

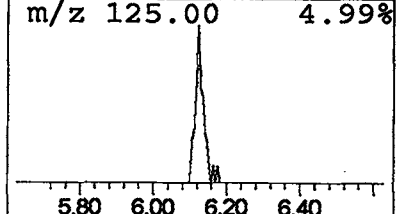
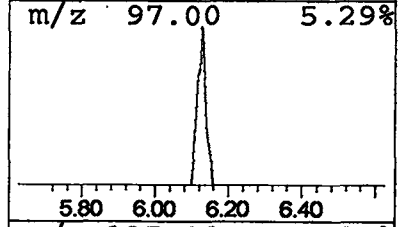
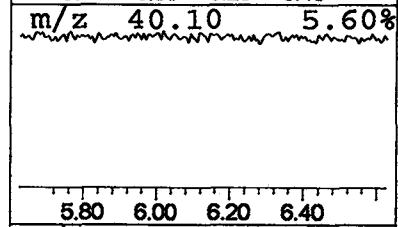
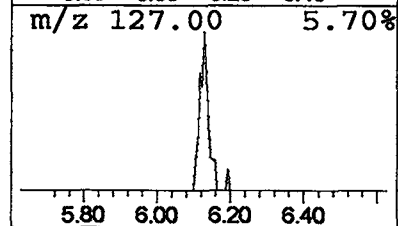
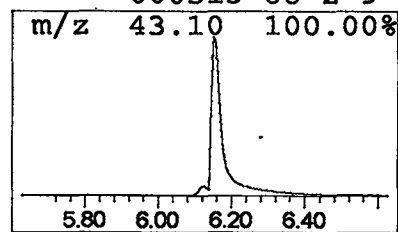
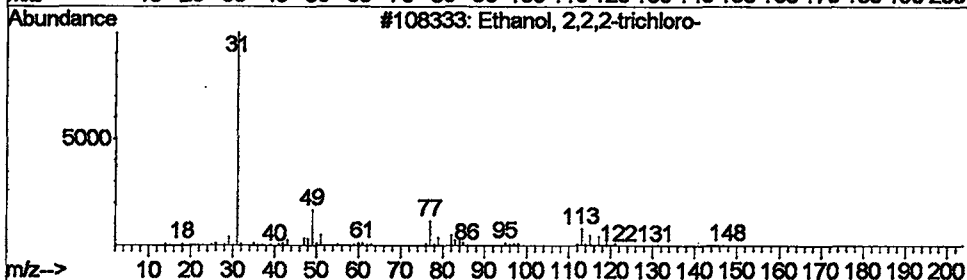
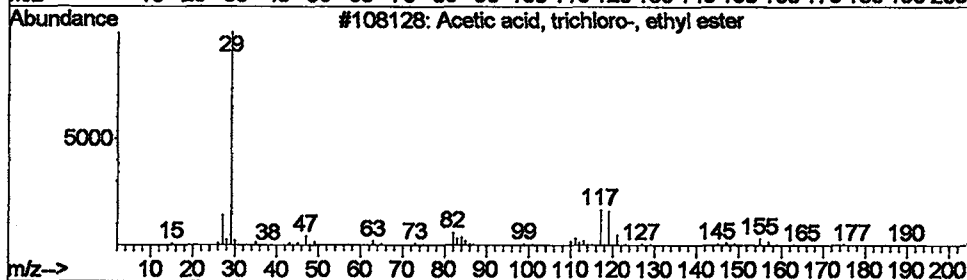
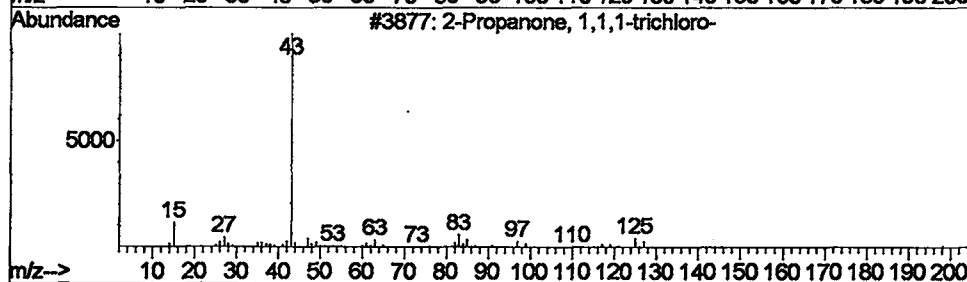
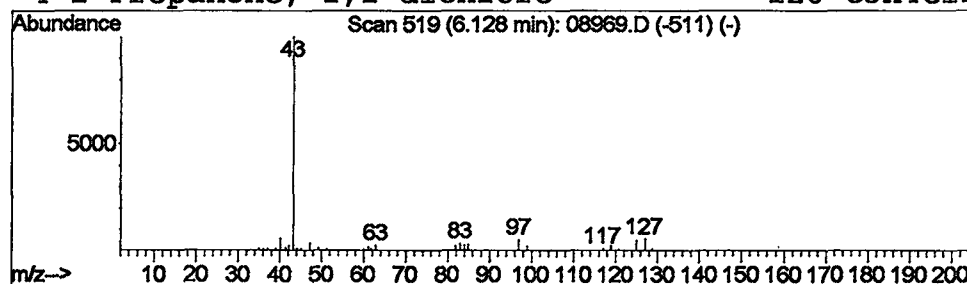
Title : Method 508 GC/MS Scan

Library : C:\DATABASE\nist98.l

Peak Number 4 2-Propanone, 1,1,1-trichloro- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.13	0.37 ug/l	440257	1,4-Dichlorobenzene-d4	11.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Propanone, 1,1,1-trichloro-	160	C3H3Cl3O	000918-00-3	45
2		Acetic acid, trichloro-, ethyl e...	190	C4H5Cl3O2	000515-84-4	9
3		Ethanol, 2,2,2-trichloro-	148	C2H3Cl3O	000115-20-8	9
4		2-Propanone, 1,1-dichloro-	126	C3H4Cl2O	000513-88-2	9



Data File : C:\MSDCHEM\1\DATA\020424\08969.D

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Sample : sample

Misc :

MS Integration Params: rteint.e

Vial: 17

Operator: Nefliu

Inst : Instrumen

Multiplr: 1.00

Quant Method : C:\MSDCHEM\1\METHODS\SCAN020424.M (Chemstation Integrator)

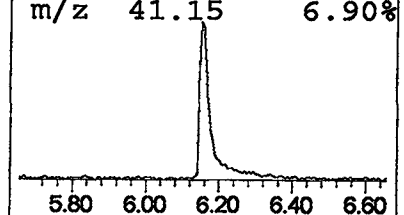
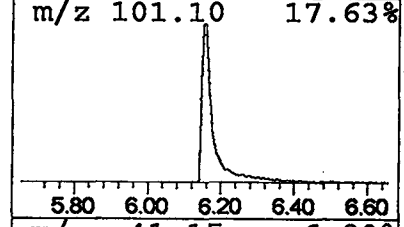
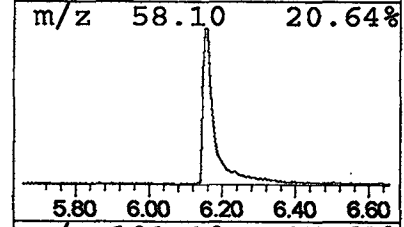
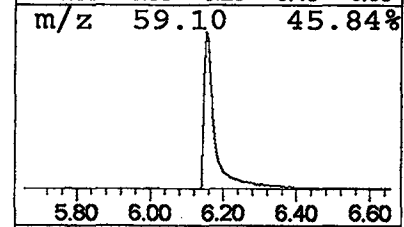
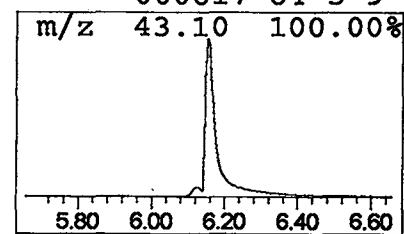
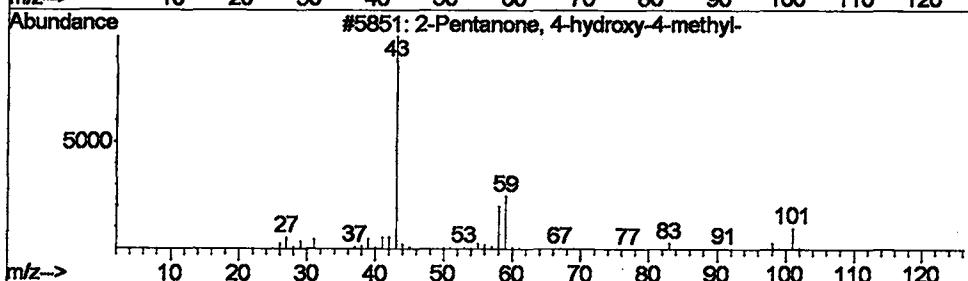
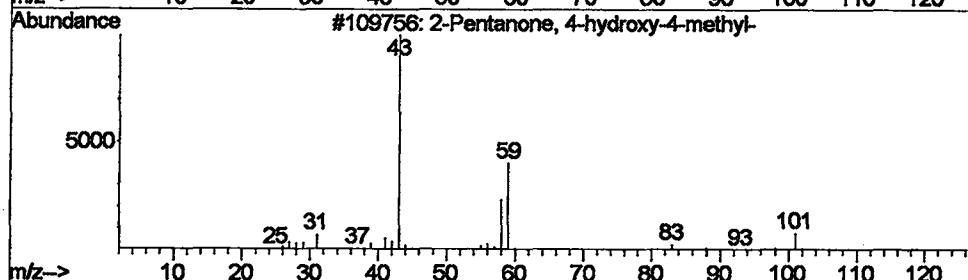
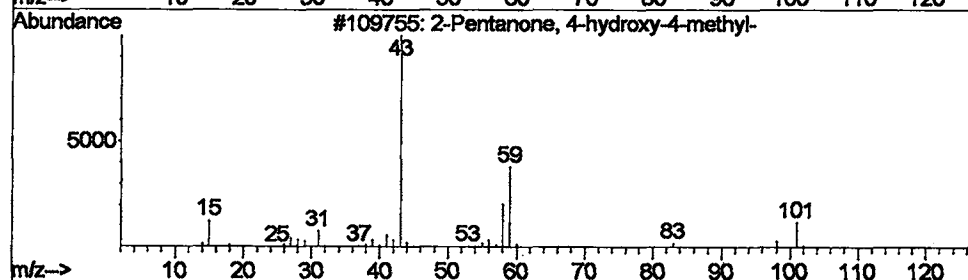
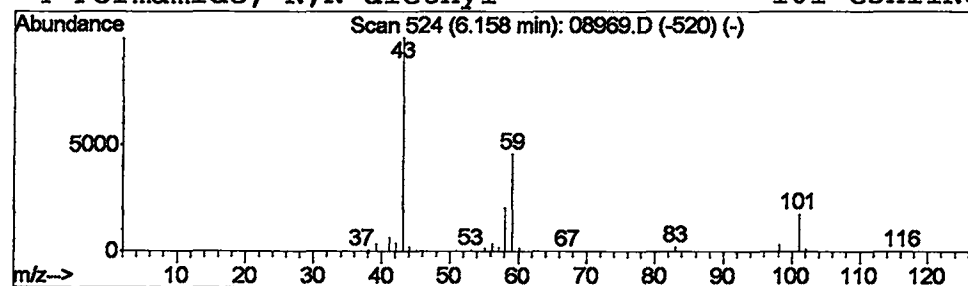
Title : Method 508 GC/MS Scan

Library : C:\DATABASE\nist98.1

Peak Number 5 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.16	12.80 ug/l	15383900	1,4-Dichlorobenzene-d4	11.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	83	
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56	
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	36	
4	Formamide, N,N-diethyl-	101	C5H11NO	000617-84-5	9	



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 Misc :
 MS Integration Params: rteint.e

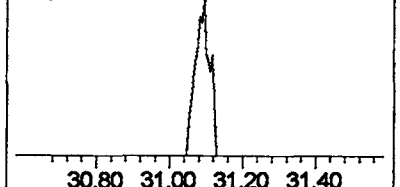
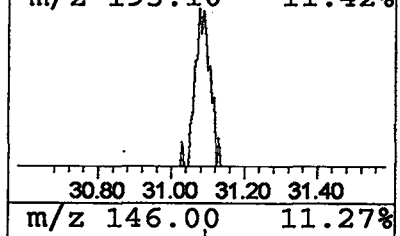
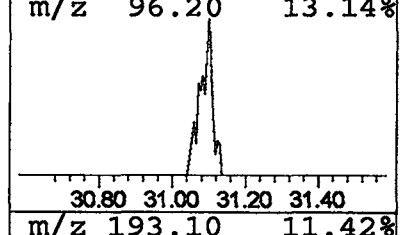
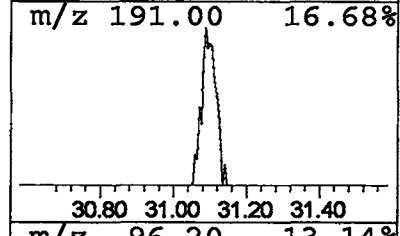
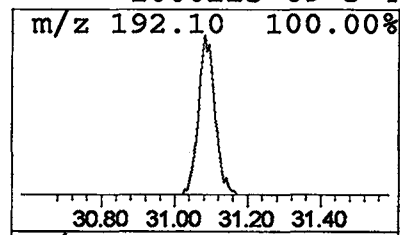
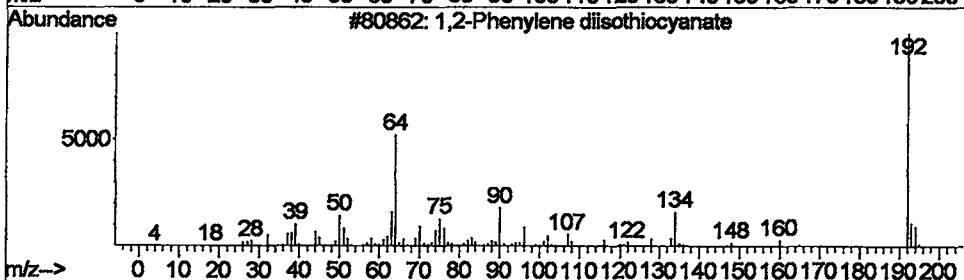
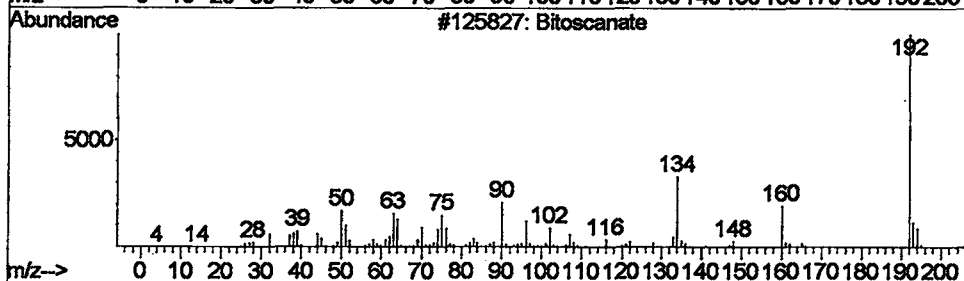
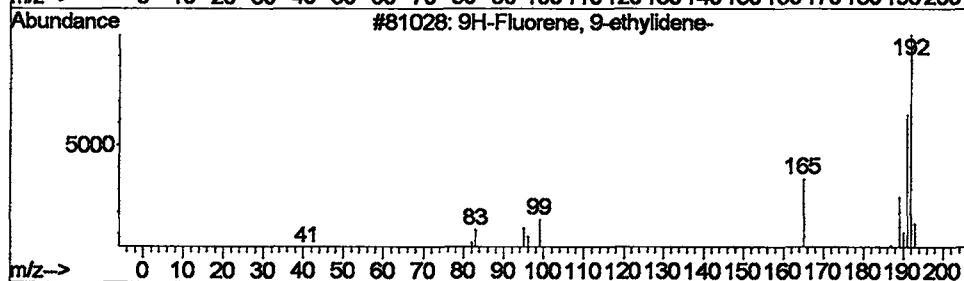
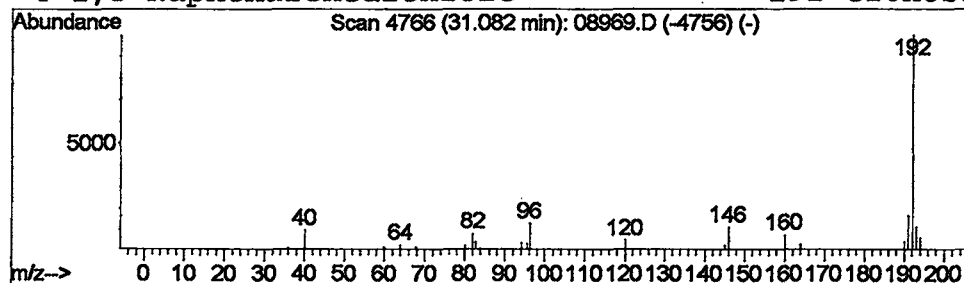
Vial: 17
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Quant Method : C:\MSDCHEM\1\METHODS\SCAN020424.M (Chemstation Integrator)
 Title : Method 508 GC/MS Scan
 Library : C:\DATABASE\nist98.1

 Peak Number 6 9H-Fluorene, 9-ethylidene- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
31.08	0.31 ug/l	573955	Phenanthrene-d10	31.72

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		9H-Fluorene, 9-ethylidene-	192	C15H12	007151-64-6	53
2		Bitoscanate	192	C8H4N2S2	004044-65-9	52
3		1,2-Phenylene diisothiocyanate	192	C8H4N2S2	071105-17-4	45
4		1,5-Naphthalenedithiole	192	C10H8S2	1000223-69-5	45



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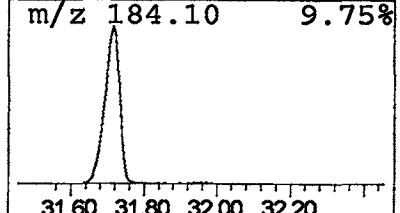
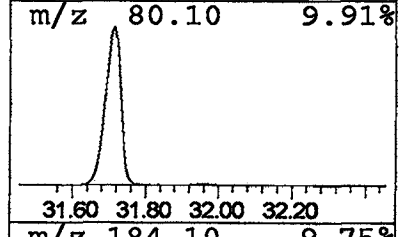
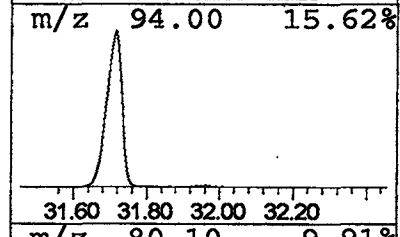
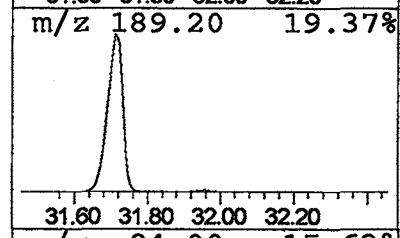
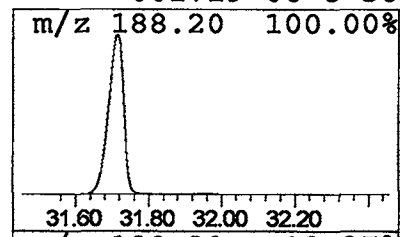
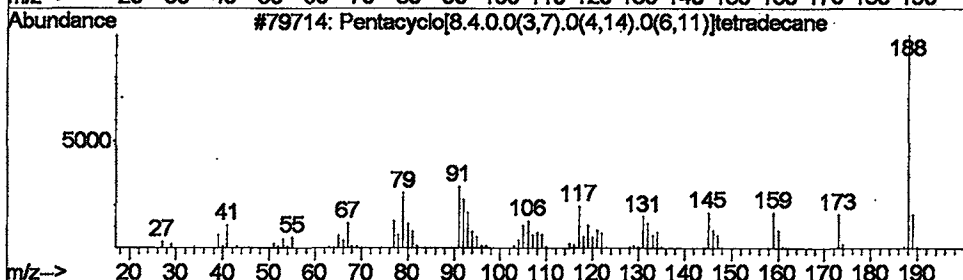
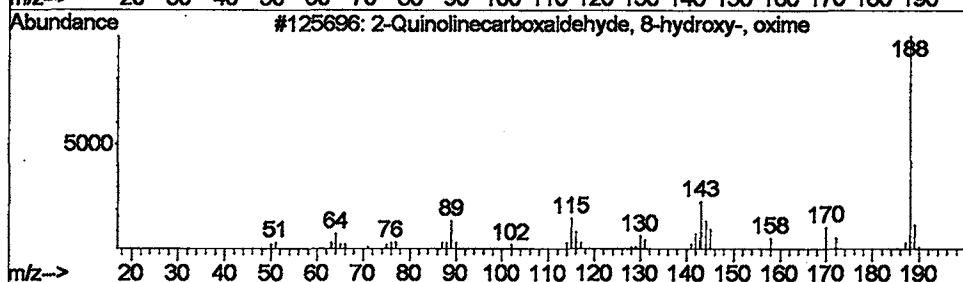
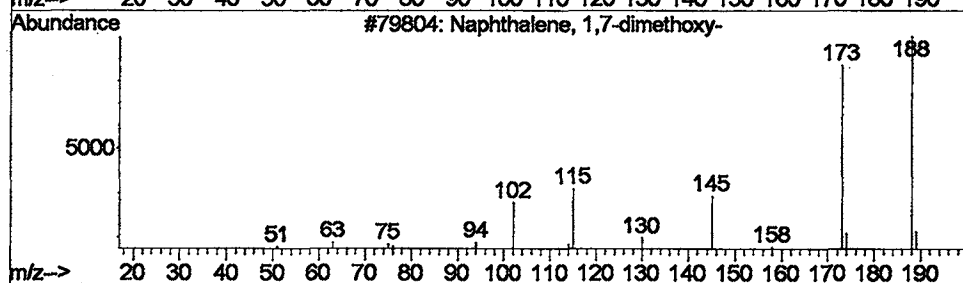
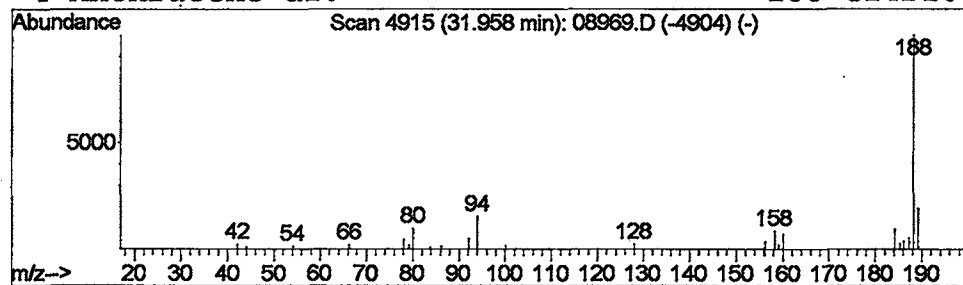
Vial: 17
Operator: Nefliu
Inst : Instrumen
Multiplr: 1.00

Quant Method : C:\MSDCHEM\1\METHODS\SCAN020424.M (Chemstation Integrator)
Title : Method 508 GC/MS Scan
Library : C:\DATABASE\nist98.1

Peak Number 7 Naphthalene, 1,7-dimethoxy- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
31.96	0.30 ug/l	555417	Phenanthrene-d10	31.72

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,7-dimethoxy-	188	C12H12O2	005309-18-2	45
2			2-Quinolinecarboxaldehyde, 8-hyd...	188	C10H8N2O2	005603-22-5	42
3			Pentacyclo[8.4.0.0(3,7).0(4,14)....	188	C14H20	1000099-27-2	38
4			Anthracene-d10-	188	C14D10	001719-06-8	38



Operator ID: Nefliu Date Acquired: 25 Apr 2002 1:35 am
Data File: C:\MSDCHEM\1\DATA\020424\08969.D
Name: sample
Misc:
Method: C:\MSDCHEM\1\METHODS\SCAN020424.M (Chemstation Integrator)
Title: Method 508 GC/MS Scan
Library Searched: C:\DATABASE\nist98.l

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
✓ Methane, bromodic...	3.35	0.2	ug/l	248022	1	11.38	48066700	40.0
✓ Acetonitrile, dic...	3.65	0.3	ug/l	371244	1	11.38	48066700	40.0
✓ Toluene	4.30	0.8	ug/l	1012190	1	11.38	48066700	40.0
✓ 2-Propanone, 1,1,...	6.13	0.4	ug/l	440257	1	11.38	48066700	40.0
✓ 2-Pentanone, 4-hy...	6.16	12.8	ug/l	15383900	1	11.38	48066700	40.0
9H-Fluorene, 9-et...	31.08	0.3	ug/l	573955	4	31.72	73457500	40.0
Naphthalene, 1,7-...	31.96	0.3	ug/l	555417	4	31.72	73457500	40.0

Phenanthrene-d10