

User: Vinci, David L
 Westchester Dept. of Labs & Research
 Date: 04/18/2002 Time: 15:57:19

Sample: AE07978
 Analysis: \$GCMS GCMS Scan For Unknowns
 Units: ug
 Started: 4/18/2002 15:56 Ended: 4/18/2002 15:56 Analyst: DLV
 Page: 1

	Component Name	Viol	Result	MDL
1	Other unknown compounds			
2	Surr_2,4-DDD	72		5.0

Comments for Sample AE07978 - Analysis \$GCMS

Vestchester Dept. of Labs & Research

User: Vinci, David L

Date: 04-18-2002 Time: 15:57:25

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.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020415\07978.D
 Acq On : 16 Apr 2002 12:44 am
 Sample : sample
 Misc :
 MS Integration Params: EVENTS.E
 Quant Time: Apr 16 13:47:14 2002

Vial: 18
 Operator: Nefliu
 Inst : Instrumen
 Multiplr: 1.00

Quant Results File: 041202SCAN.RE

Quant Method : C:\MSDCHEM\1\METHODS\041202SCAN.M (Chemstation Integrator)
 Title : 508 Modified GC/MS scan
 Last Update : Tue Apr 16 11:14:47 2002
 Response via : Initial Calibration
 DataAcq Meth : 508SCAN

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.99	152	6118594	40.00	ug/L	0.00
10) Napthalene-d8	13.49	136	22907212	40.00	ug/L	-0.01
17) Acenapthalene-d10	18.63	164	13508486	40.00	ug/L	0.00
29) Phenanthranene-d10	23.02	188	20814543	40.00	ug/L	0.00
37) Chrysene-d12	30.89	240	16335417	40.00	ug/L	-0.02
43) Perylene-d12	34.79	264	11148392	40.00	ug/L	0.00
System Monitoring Compounds						
27) TCMX	20.60	207	434251	5.80	ug/L	0.00
Spiked Amount	8.000		Recovery	=	72.50%	
Target Compounds						
35) Di-n-butylphthalate	25.16	149	27635	0.05	ug/L	Qvalue # 78

 (#) = qualifier out of range (m) = manual integration (+) = signals summed
 07978.D 041202SCAN.M Tue Apr 16 13:47:36 2002 Page 1

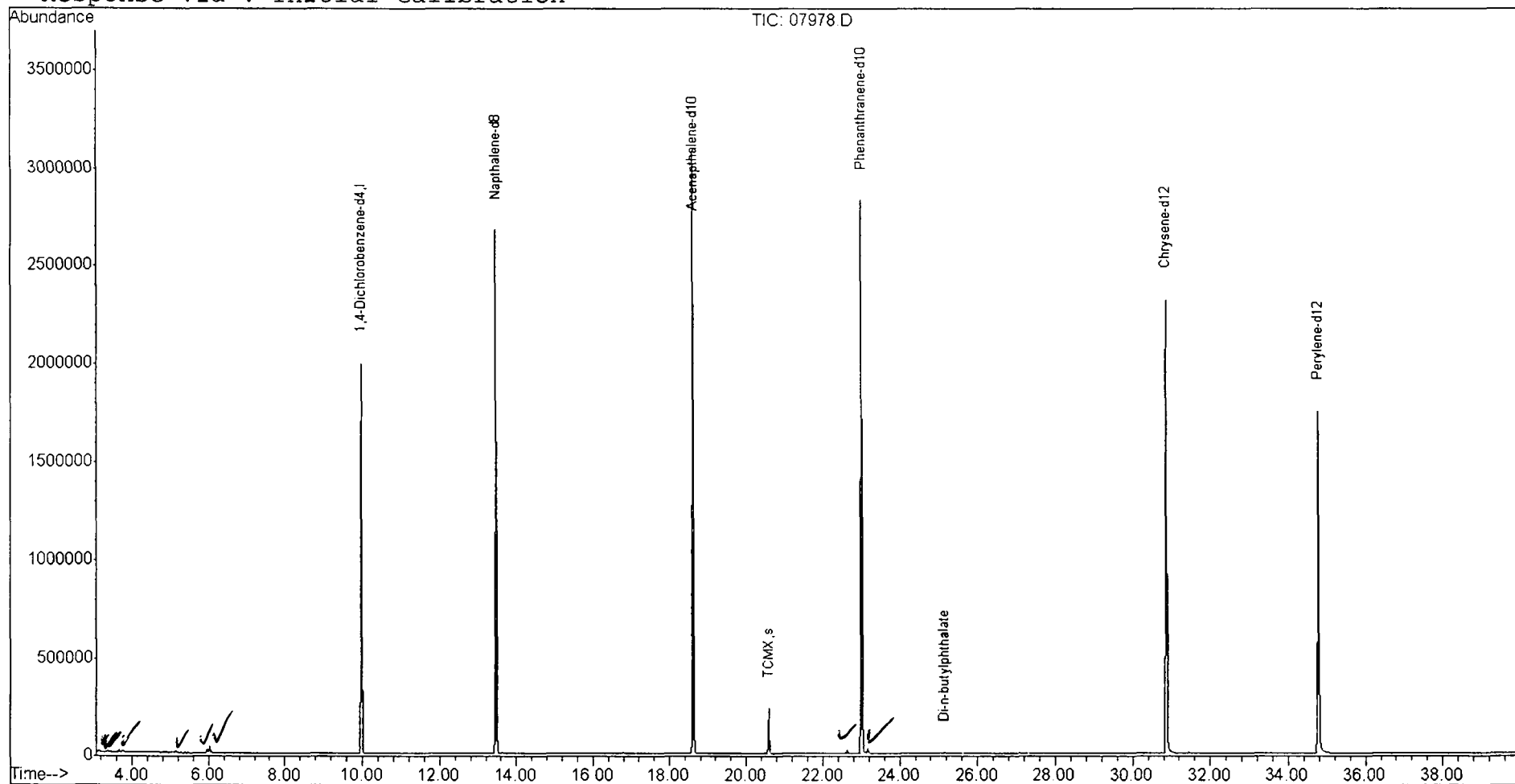
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020415\07978.D
Acq On : 16 Apr 2002 12:44 am
Sample : sample
Misc :
MS Integration Params: EVENTS.E
Quant Time: Apr 16 13:47 2002

Vial: 18
Operator: Nefliu
Inst : Instrumen
Multiplr: 1.00

Quant Results File: 041202SCAN.RES

Method : C:\MSDCHEM\1\METHODS\041202SCAN.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Tue Apr 16 11:14:47 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\020415\07978.D
 Acq On : 16 Apr 2002 12:44 am
 Sample : sample
 Misc :
 MS Integration Params: LSCINT.e

Vial: 18
 Operator: Nefliu
 Inst : Instrumen
 Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\041202SCAN.M (Chemstation Integrator)
 Title : 508 Modified GC/MS scan

Signal : TIC

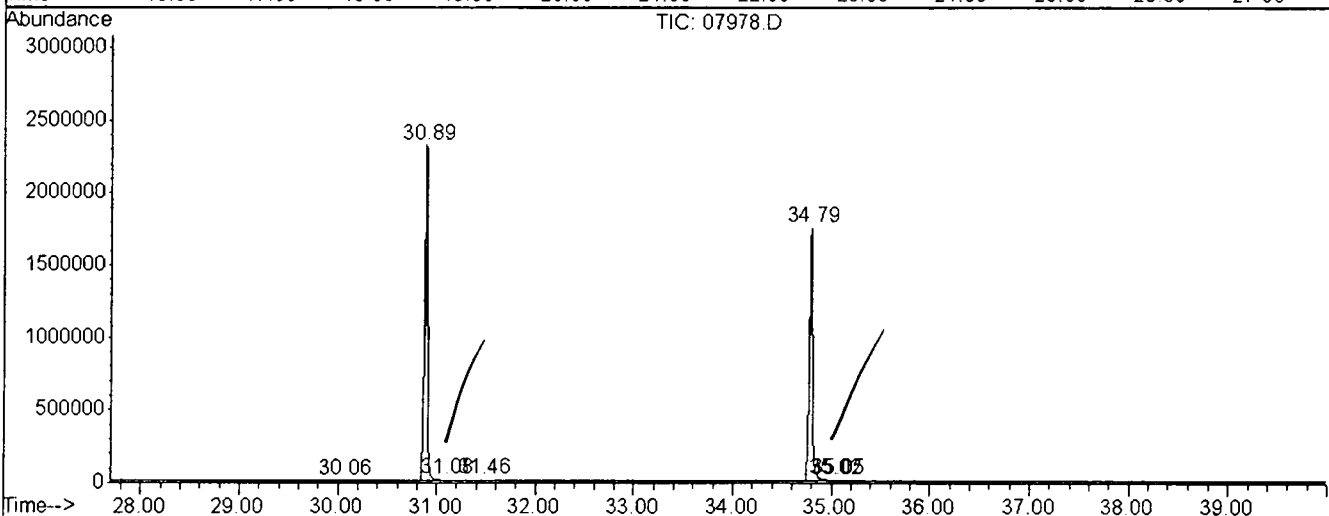
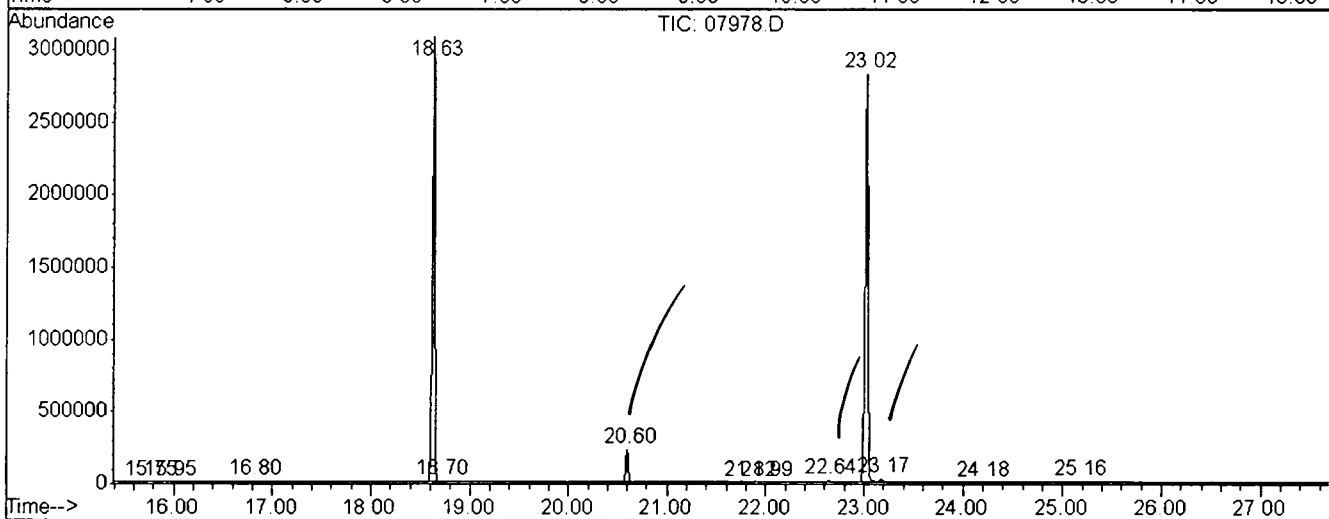
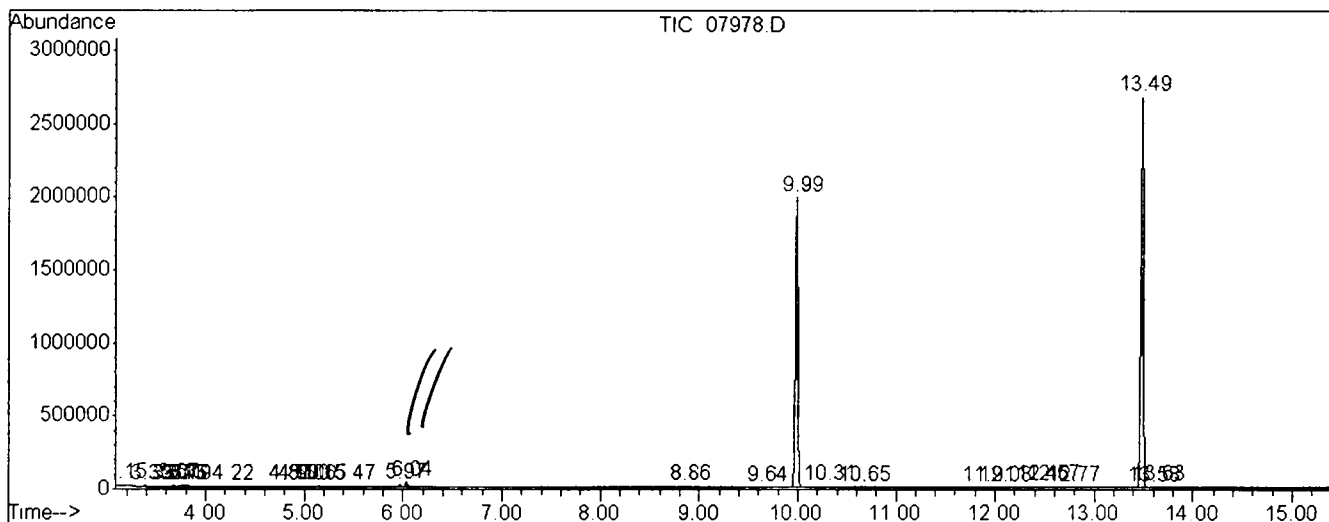
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1	3.150	4	12	21	BV 5	5343	112494	0.21%	0.040%
2	3.391	49	53	62	PV 4	4787	97700	0.18%	0.034%
3	3.608	83	90	92	PV 7	2143	39698	0.07%	0.014%
4	3.667	95	100	105	PV 3	13588	227257	0.42%	0.080%
5	3.708	105	107	109	VV 2	3321	34972	0.06%	0.012%
6	3.731	109	111	112	VV 2	3203	37294	0.07%	0.013%
7	3.761	112	116	119	VV 4	5250	94717	0.17%	0.033%
8	3.796	119	122	134	VV 4	5216	188082	0.35%	0.066%
9	4.219	189	194	202	VV 8	3297	91178	0.17%	0.032%
10	4.801	287	293	296	PV 6	1512	21468	0.04%	0.008%
11	4.895	304	309	321	BV 5	1991	44578	0.08%	0.016%
12	4.995	321	326	331	PV 7	1762	28756	0.05%	0.010%
13	5.065	334	338	345	PV 6	2031	39044	0.07%	0.014%
14	5.147	345	352	367	PV 6	7726	186681	0.34%	0.066%
15	5.465	404	406	415	VV 4	1656	32877	0.06%	0.012%
16	5.970	481	492	499	PV	16579	307967	0.57%	0.108%
17	6.035	499	503	518	VV	30737	591182	1.09%	0.208%
18	8.861	979	984	997	VV 6	3139	67187	0.12%	0.024%
19	9.642	1111	1117	1119	VV 3	1478	17021	0.03%	0.006%
20	9.989	1167	1176	1192	VV	1999425	34584298	63.78%	12.166%
21	10.306	1227	1230	1242	VV 5	2731	69089	0.13%	0.024%
22	10.653	1281	1289	1292	PV 3	1157	23961	0.04%	0.008%
23	11.904	1493	1502	1509	VV 4	1719	38675	0.07%	0.014%
24	12.075	1522	1531	1537	VV 2	2340	52500	0.10%	0.018%
25	12.457	1586	1596	1610	VV 3	2725	68863	0.13%	0.024%
26	12.568	1610	1615	1622	PV 3	3290	49278	0.09%	0.017%
27	12.768	1643	1649	1657	VV 3	2275	47821	0.09%	0.017%
28	13.485	1755	1771	1786	PV	2616306	45902696	84.66%	16.148%
29	13.579	1786	1787	1790	VV 2	1667	16288	0.03%	0.006%
30	13.632	1790	1796	1808	VV 2	6230	102121	0.19%	0.036%
31	15.753	2153	2157	2164	VV 3	2679	41152	0.08%	0.014%
32	15.947	2186	2190	2194	PV 3	1574	23674	0.04%	0.008%
33	16.805	2329	2336	2341	PV 2	4313	70229	0.13%	0.025%
34	18.632	2635	2647	2657	PV	3009222	54001761	99.59%	18.997%
35	18.702	2657	2659	2661	VV 2	1488	13300	0.02%	0.005%
36	20.600	2971	2982	2989	PV	230153	4075170	7.52%	1.434%
37	21.822	3184	3190	3192	VV 3	2073	32849	0.06%	0.012%

38	21.993	3215	3219	3225	PV	3	1705	31940	0.06%	0.011%
39	22.645	3324	3330	3338	VV	2	18139	323419	0.60%	0.114%
40	23.027	3383	3395	3414	VV	2	2792511	54222401	100.00%	19.075%
41	23.174	3414	3420	3432	VV		21248	592338	1.09%	0.208%
42	24.178	3585	3591	3595	VV	4	1770	31812	0.06%	0.011%
43	25.160	3753	3758	3763	VV	3	3095	50650	0.09%	0.018%
44	30.054	4586	4591	4597	PV	4	1665	38961	0.07%	0.014%
45	30.888	4719	4733	4764	PV	2	2322297	48628236	89.68%	17.107%
46	31.076	4764	4765	4780	VV	3	3141	117248	0.22%	0.041%
47	31.458	4822	4830	4838	PV	5	3462	72082	0.13%	0.025%
48	34.790	5382	5397	5434	PV		1712805	38574053	71.14%	13.570%
49	35.019	5434	5436	5440	VV	2	3353	51971	0.10%	0.018%
50	35.054	5440	5442	5451	VV	3	2431	51529	0.10%	0.018%

Sum of corrected areas: 284260517

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\020415\07978.D
 Operator : Nefliu
 Acquired : 16 Apr 2002 12:44 am using AcqMethod 508SCAN
 Instrument : Instrumen
 Sample Name: sample
 Misc Info :
 Vial Number: 18
 Quant File :041202SCAN.RES (Chemstation Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\020415\07978.D
 Acq On : 16 Apr 2002 12:44 am
 Sample : sample
 Misc :
 MS Integration Params: LSCINT.e

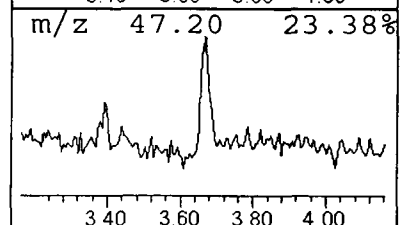
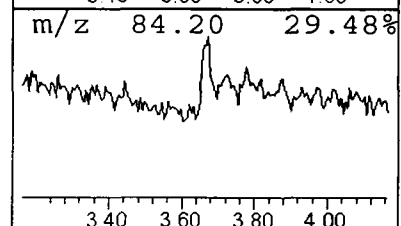
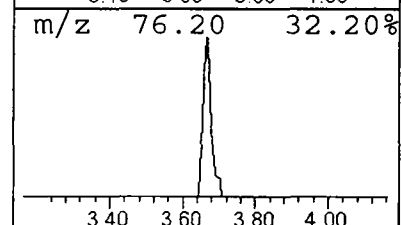
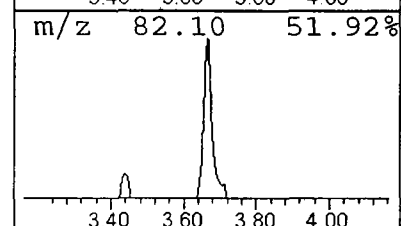
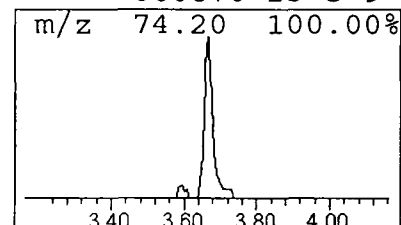
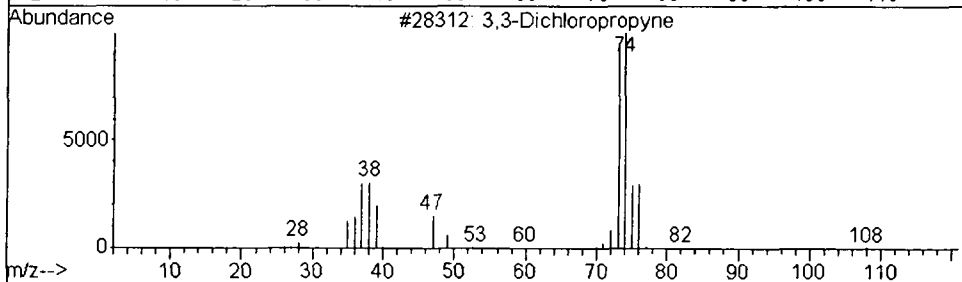
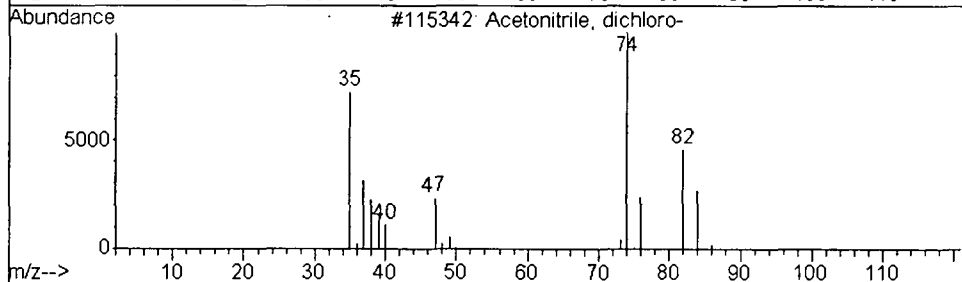
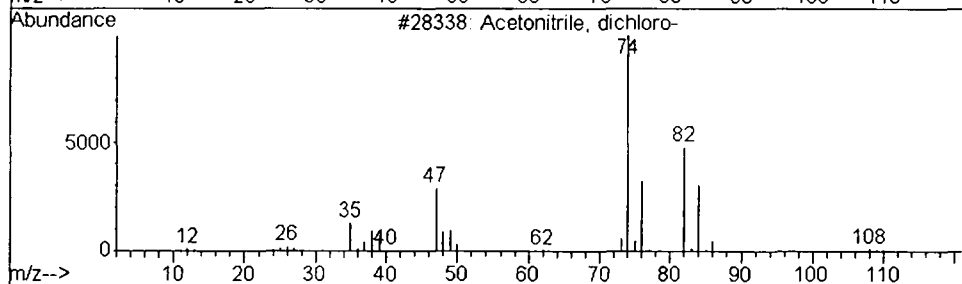
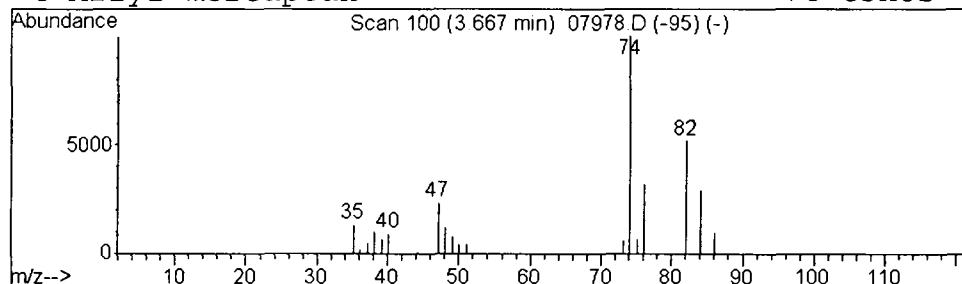
Vial: 18
 Operator: Nefliu
 Inst : Instrumen
 Multiplr: 1.00

Quant Method : C:\MSDCHEM\1\METHODS\041202SCAN.M (Chemstation Integrator)
 Title : 508 Modified GC/MS scan
 Library : C:\DATABASE\NIST98.L

 Peak Number 1 Acetonitrile, dichloro- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.67	0.26 ug/L	227257	1,4-Dichlorobenzene-d4	9.99

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	91
2			Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	72
3			3,3-Dichloropropyne	108	C3H2Cl2	1000222-23-9	25
4			Allyl mercaptan	74	C3H6S	000870-23-5	9



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\020415\07978.D
 Acq On : 16 Apr 2002 12:44 am
 Sample : sample
 Misc :
 MS Integration Params: LSCINT.e

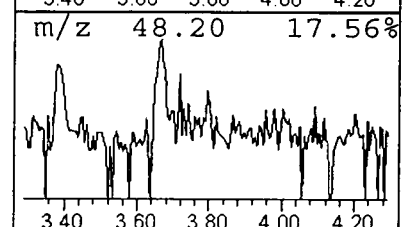
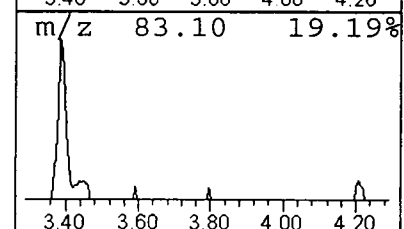
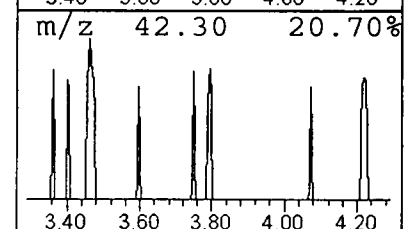
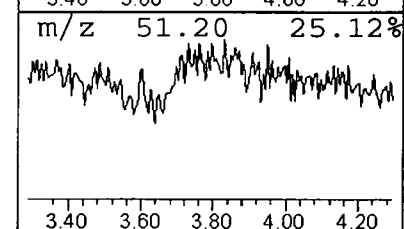
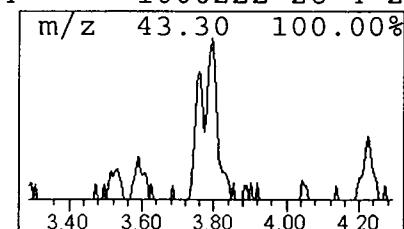
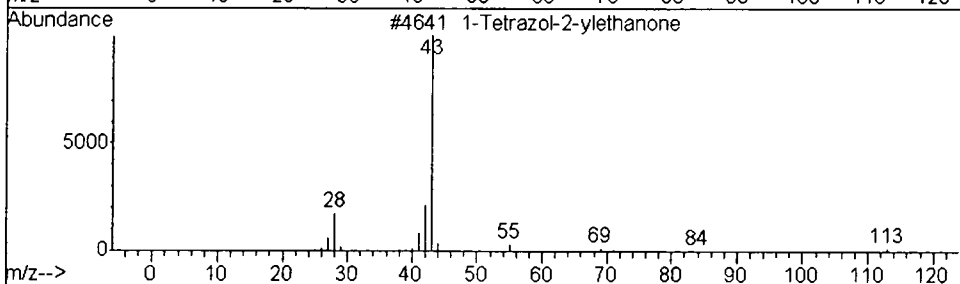
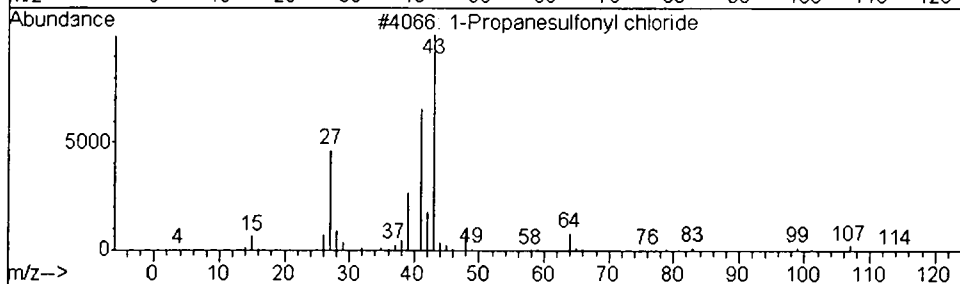
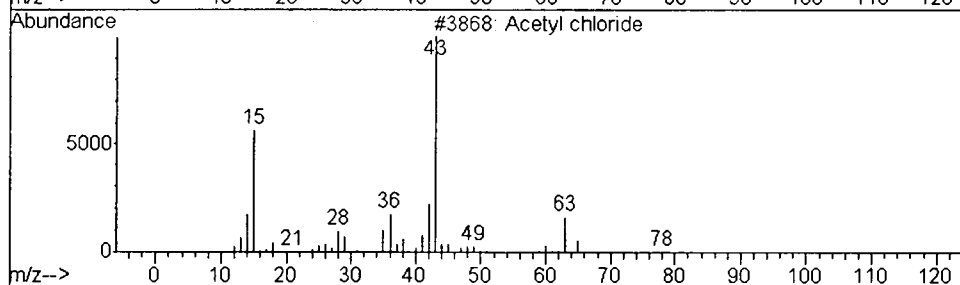
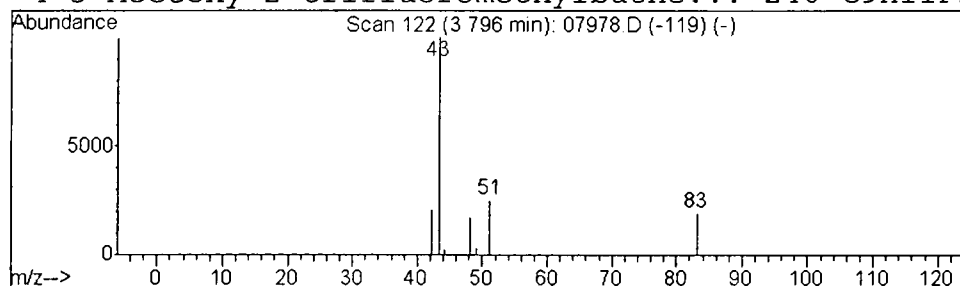
Vial: 18
 Operator: Nefliu
 Inst : Instrumen
 Multiplr: 1.00

Quant Method : C:\MSDCHEM\1\METHODS\041202SCAN.M (Chemstation Integrator)
 Title : 508 Modified GC/MS scan
 Library : C:\DATABASE\NIST98.L

 Peak Number 2 Acetyl chloride Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.79	0.22 ug/L	188082	1,4-Dichlorobenzene-d4	9.99

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetyl chloride	78	C2H3ClO	000075-36-5	4	
2	1-Propanesulfonyl chloride	142	C3H7ClO2S	010147-36-1	2	
3	1-Tetrazol-2-ylethanone	112	C3H4N4O	1000195-06-4	2	
4	3-Acetoxy-2-trifluoromethylbuthe...	240	C9H11F3O4	1000222-26-4	2	



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\020415\07978.D
Acq On : 16 Apr 2002 12:44 am
Sample : sample
Misc :
MS Integration Params: LSCINT.e

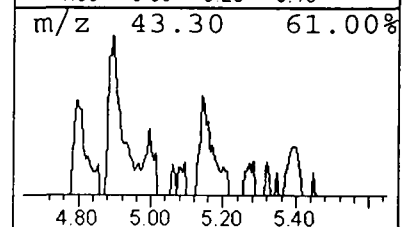
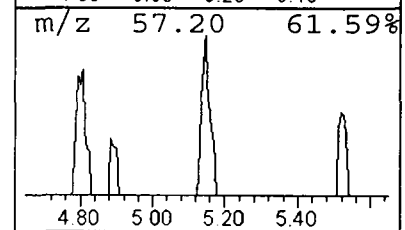
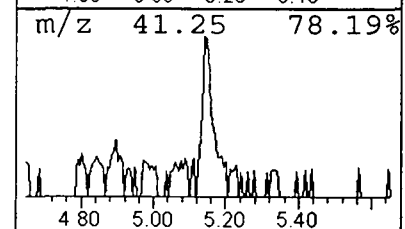
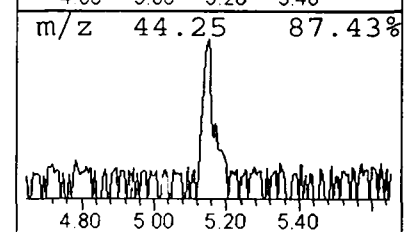
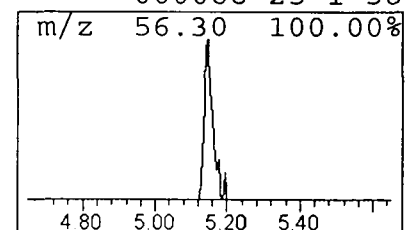
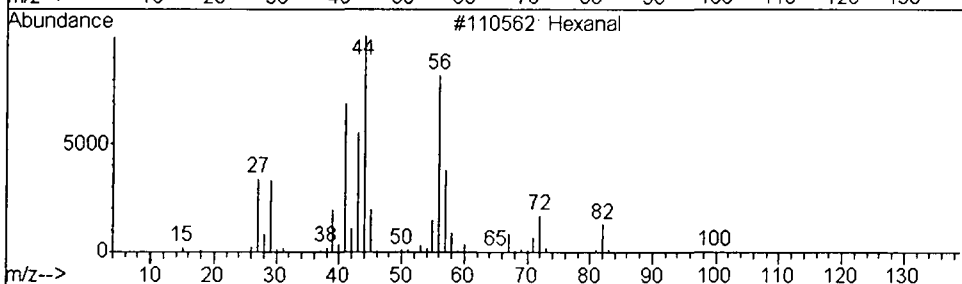
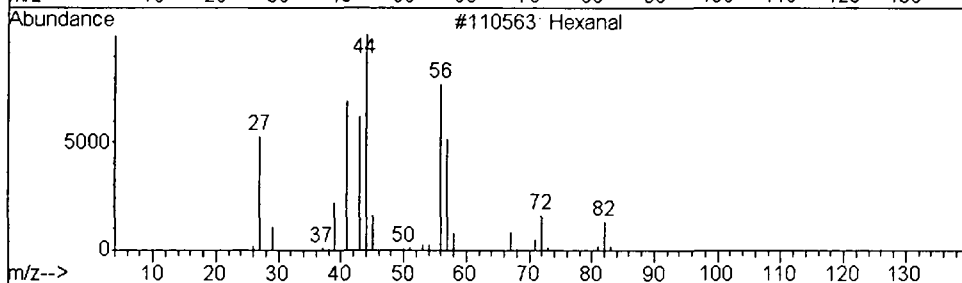
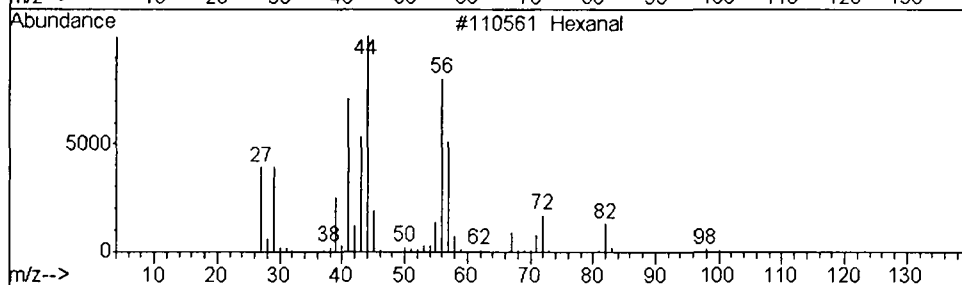
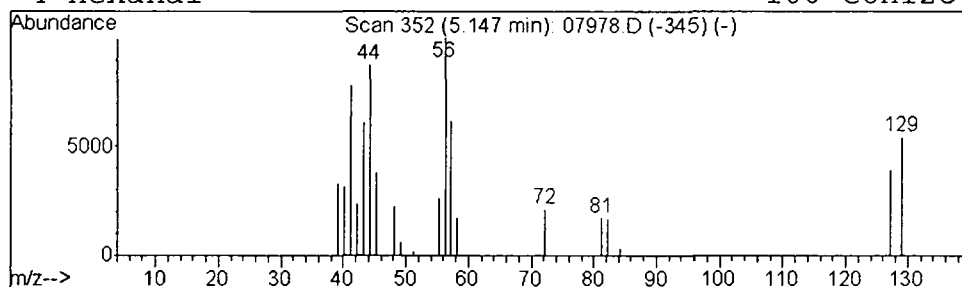
Vial: 18
Operator: Nefliu
Inst : Instrumen
Multiplr: 1.00

Quant Method : C:\MSDCHEM\1\METHODS\041202SCAN.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

Peak Number 3 Hexanal Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.15	0.22 ug/L	186681	1,4-Dichlorobenzene-d4	9.99

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal			100	C6H12O	000066-25-1	47
2	Hexanal			100	C6H12O	000066-25-1	47
3	Hexanal			100	C6H12O	000066-25-1	47
4	Hexanal			100	C6H12O	000066-25-1	38



Library Search Compound Report

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Acq On : 16 Apr 2002 12:44 am
Sample : sample
Misc :
MS Integration Params: LSCINT.e

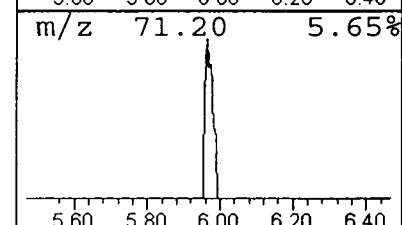
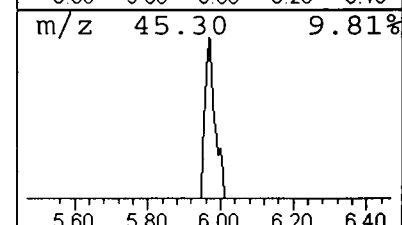
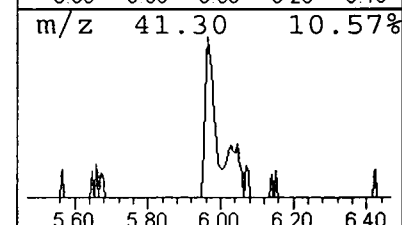
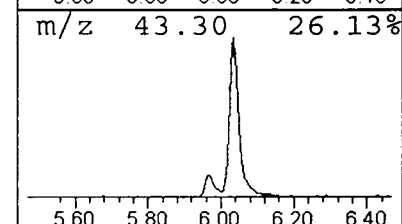
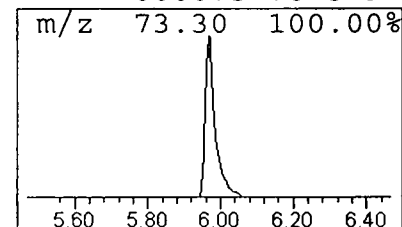
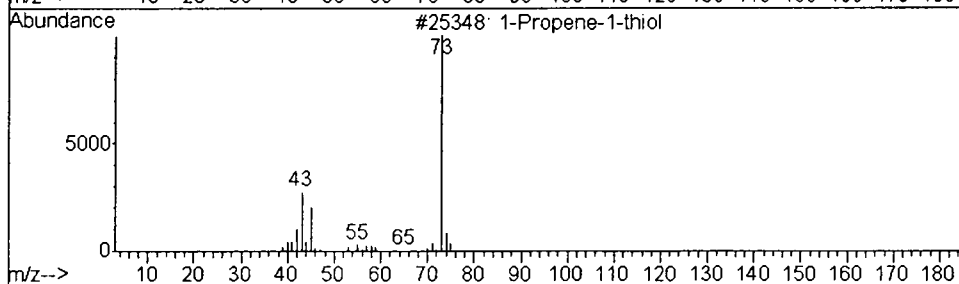
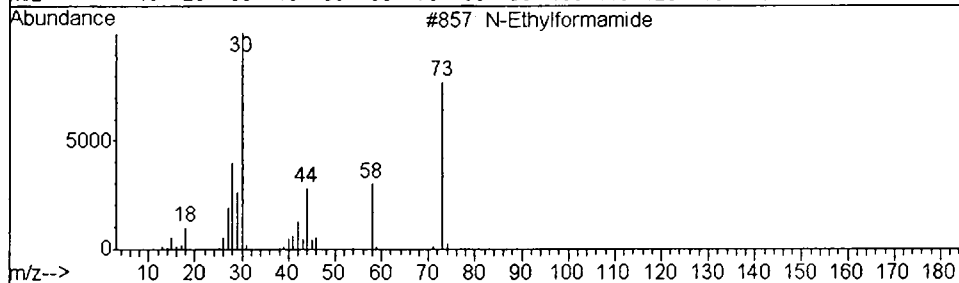
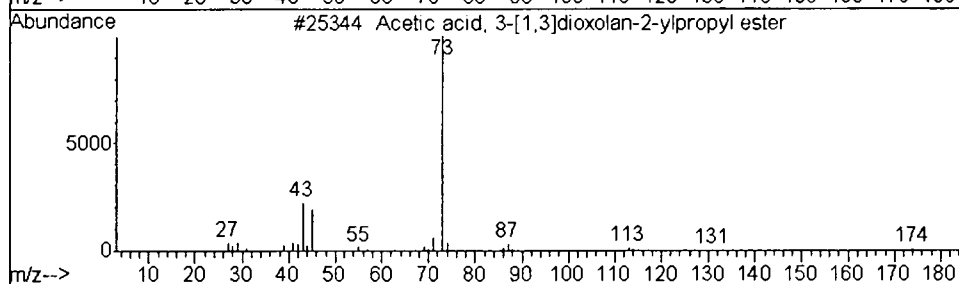
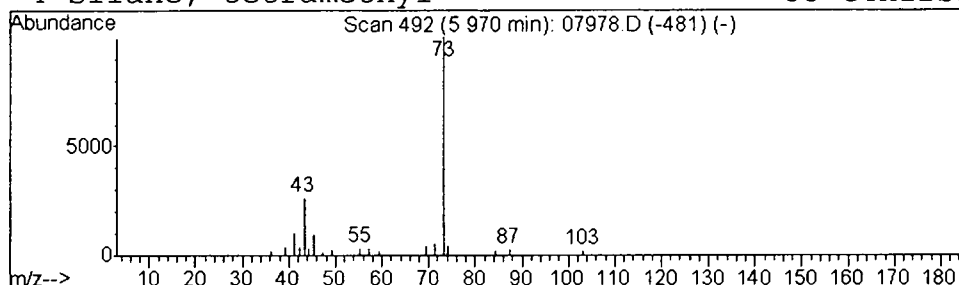
Vial: 18
Operator: Nefliu
Inst : Instrumen
Multiplr: 1.00

Quant Method : C:\MSDCHEM\1\METHODS\041202SCAN.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

Peak Number 4 Acetic acid, 3-[1,3]dioxola... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.97	0.36 ug/L	307967	1,4-Dichlorobenzene-d4	9.99

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Acetic acid, 3-[1,3]dioxolan-2-y...	174	C8H14O4	1000186-02-3	28
2			N-Ethylformamide	73	C3H7NO	000627-45-2	9
3			1-Propene-1-thiol	74	C3H6S	000925-89-3	9
4			Silane, tetramethyl-	88	C4H12Si	000075-76-3	9



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\020415\07978.D
Acq On : 16 Apr 2002 12:44 am
Sample : sample
Misc :
MS Integration Params: LSCINT.e

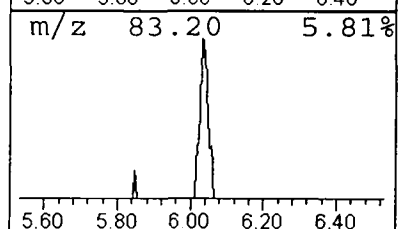
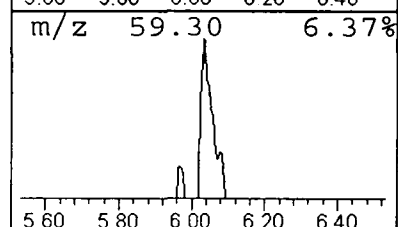
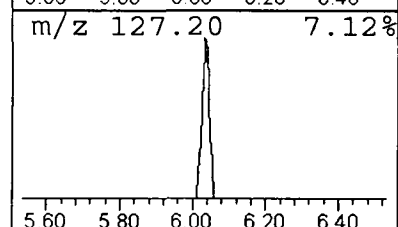
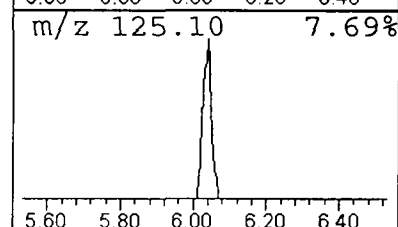
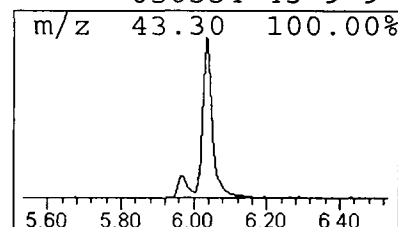
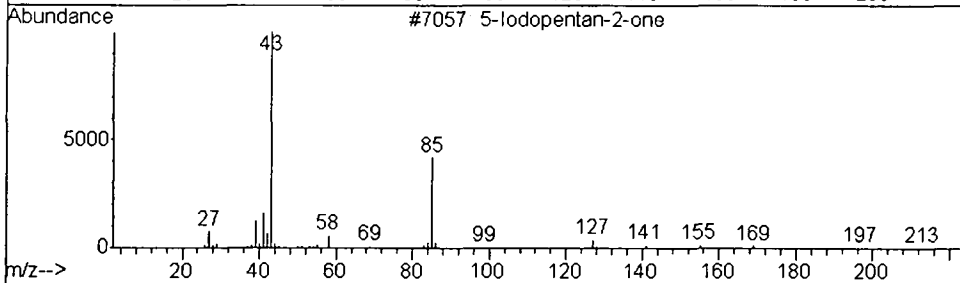
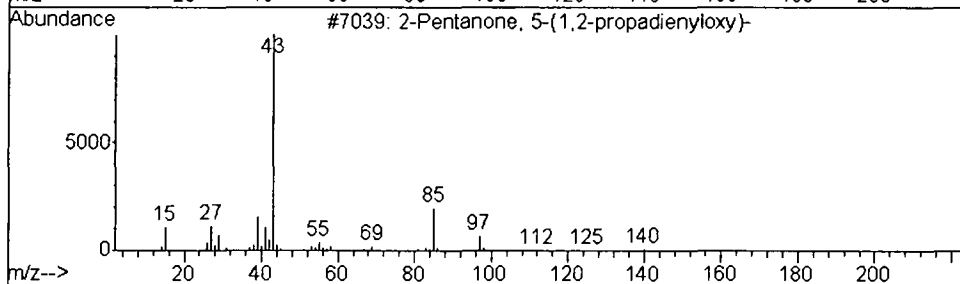
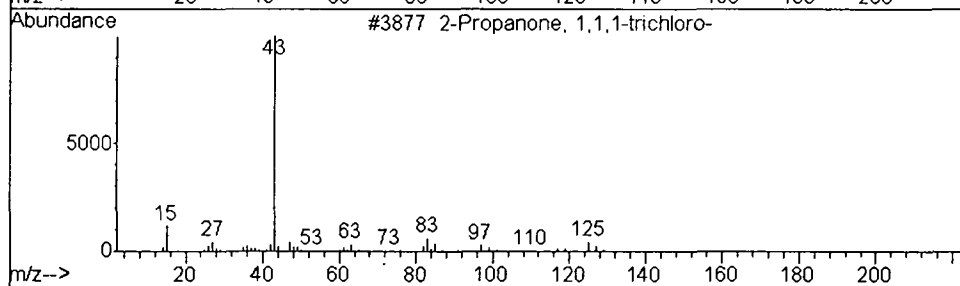
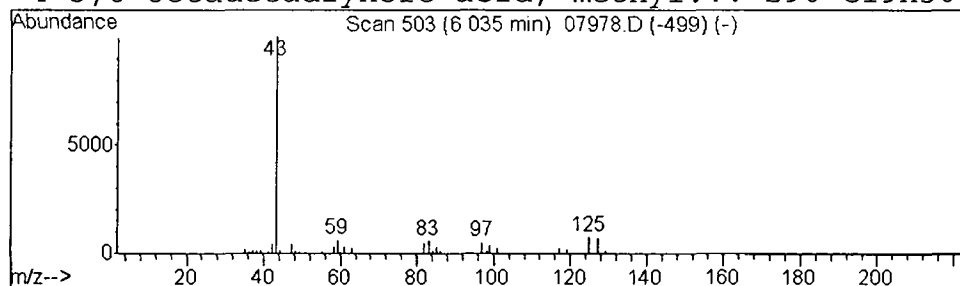
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Operator: Nefliu
Inst : Instrumen
Multiplr: 1.00

Quant Method : C:\MSDCHEM\1\METHODS\041202SCAN.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

Peak Number 5 2-Propanone, 1,1,1-trichloro- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.04	0.68 ug/L	591182	1,4-Dichlorobenzene-d4	9.99

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Propanone, 1,1,1-trichloro-	160	C3H3Cl3O	000918-00-3	42
2			2-Pentanone, 5-(1,2-propadienylo...	140	C8H12O2	055702-69-7	9
3			5-Iodopentan-2-one	212	C5H9IO	003695-29-2	9
4			3,6-Octadecadiynoic acid, methyl...	290	C19H30O2	056554-43-9	9



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\020415\07978.D
Acq On : 16 Apr 2002 12:44 am
Sample : sample
Misc :
MS Integration Params: LSCINT.e

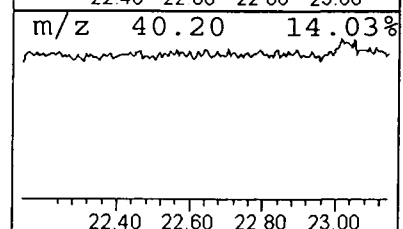
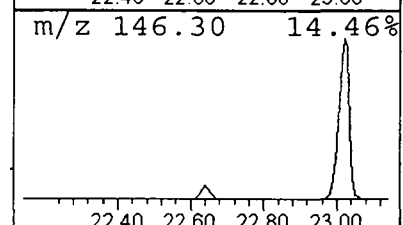
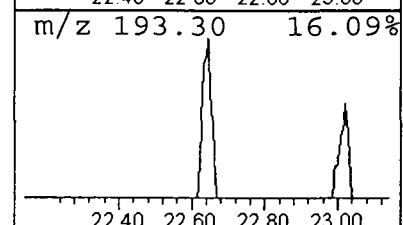
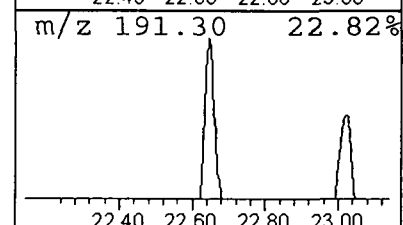
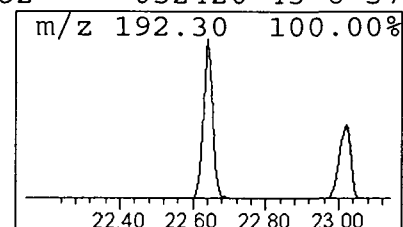
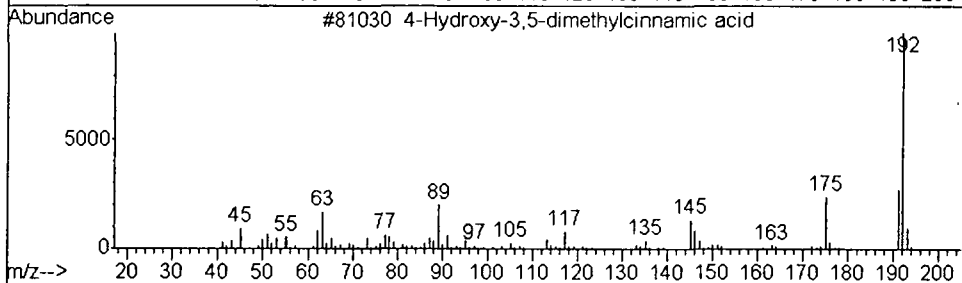
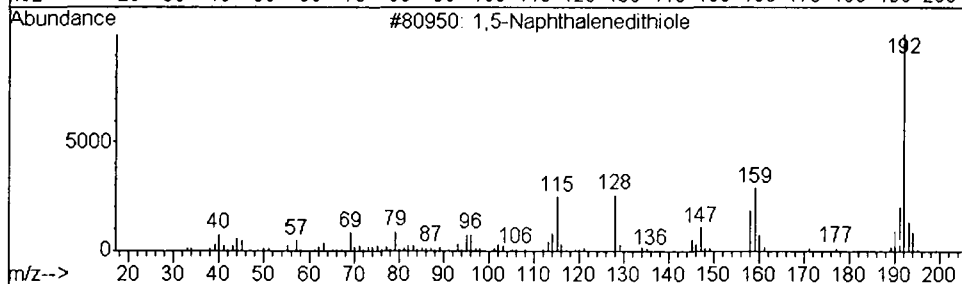
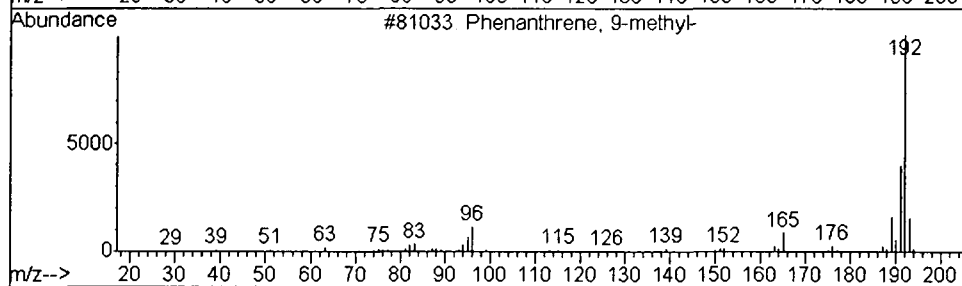
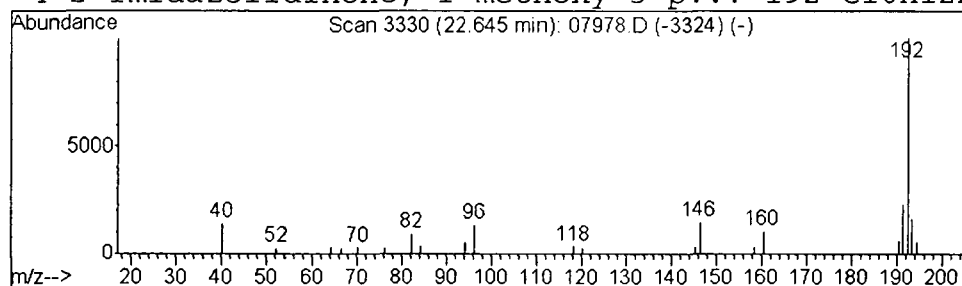
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Operator: Nefliu
Inst : Instrumen
Multiplr: 1.00

Quant Method : C:\MSDCHEM\1\METHODS\041202SCAN.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

Peak Number 6 Phenanthrene, 9-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.64	0.24 ug/L	323419	Phenanthranene-d10	23.02

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	53
2			1,5-Naphthalenedithiole	192	C10H8S2	1000223-69-5	38
3			4-Hydroxy-3,5-dimethylcinnamic acid	192	C11H12O3	1000132-15-8	38
4			2-Imidazolidinone, 1-methoxy-3-p...	192	C10H12N2O2	052420-43-6	37



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\020415\07978.D
Acq On : 16 Apr 2002 12:44 am
Sample : sample
Misc :
MS Integration Params: LSCINT.e

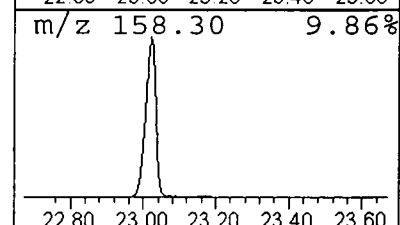
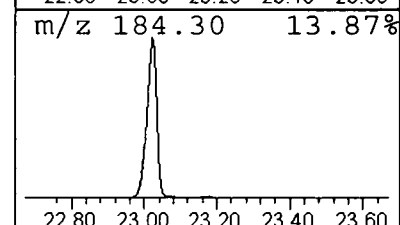
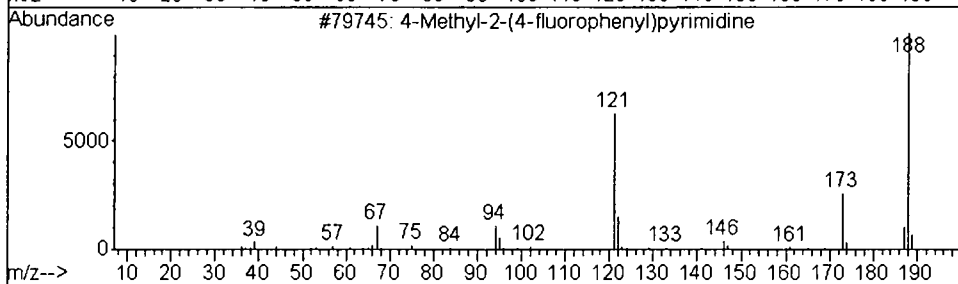
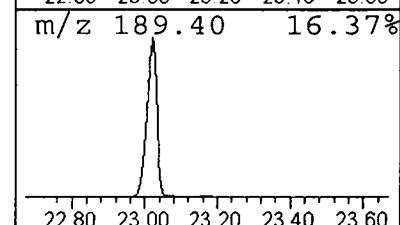
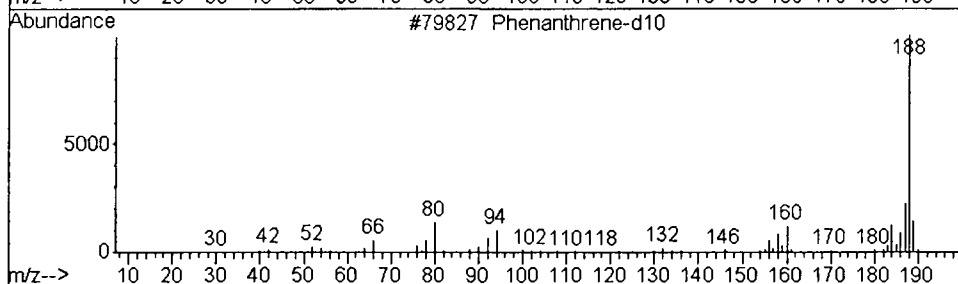
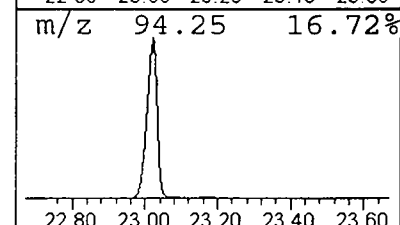
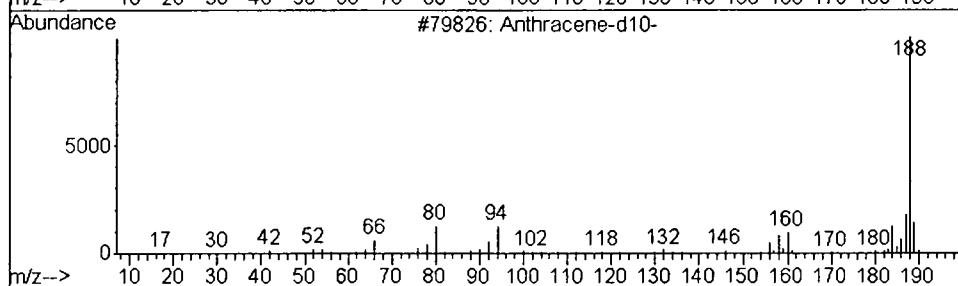
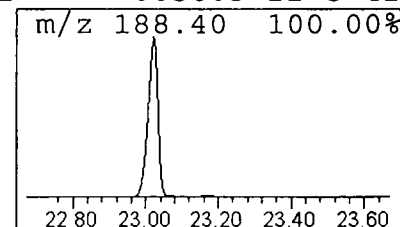
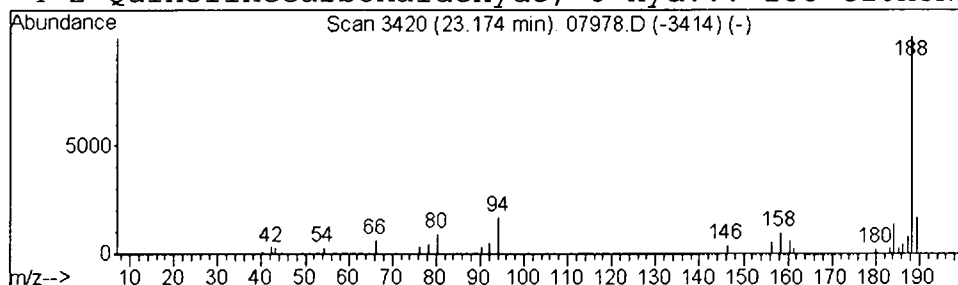
Vial: 18
Operator: Nefliu
Inst : Instrumen
Multiplr: 1.00

Quant Method : C:\MSDCHEM\1\METHODS\041202SCAN.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

Peak Number 7 Anthracene-d10- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.17	0.44 ug/L	592338	Phenanthrene-d10	23.02

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene-d10-	188	C14D10	001719-06-8	90
2			Phenanthrene-d10	188	C14D10	001517-22-2	56
3			4-Methyl-2-(4-fluorophenyl)pyrim...	188	C11H9FN2	076128-67-1	42
4			2-Quinolincarboxaldehyde, 8-hyd...	188	C10H8N2O2	005603-22-5	42



Tentatively Identified Compound (LSC) summary

Operator ID: Nefliu Date Acquired: 16 Apr 2002 12:44 am
 Data File: C:\MSDCHEM\1\DATA\020415\07978.D
 Name: sample
 Misc:
 Method: C:\MSDCHEM\1\METHODS\041202SCAN.M (Chemstation Integrator)
 Title: 508 Modified GC/MS scan
 Library Searched: C:\DATABASE\NIST98.L

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard---			
					#	RT	Resp	Conc
✓ Acetonitrile, dic...	3.67	0.3	ug/L	227257	1	9.99	34584300	40.0
Acetyl chloride	3.79	0.2	ug/L	188082	1	9.99	34584300	40.0
✓ Hexanal	5.15	0.2	ug/L	186681	1	9.99	34584300	40.0
Acetic acid, 3-[1...	5.97	0.4	ug/L	307967	1	9.99	34584300	40.0
2-Propanone, 1,1,...	6.04	0.7	ug/L	591182	1	9.99	34584300	40.0
✓ Phenanthrene, 9-m...	22.64	0.2	ug/L	323419	4	23.02	54222400	40.0
Anthracene-d10- <i>phenanthrene-d10</i>	23.17	0.4	ug/L	592338	4	23.02	54222400	40.0