

User: Vinci, David L
 Westchester Dept. of Labs & Research
 Date: 04/18/2002 Time: 15:37:43

Sample: AE07977
 Analysis: \$GCMS GCMS Scan For Unknowns
 Units: ug
 Started: 4/18/2002 15:37 Ended: 4/18/2002 15:37 Analyst: DLV
 Page: 1

	Component Name	Viol	Result	MDL
1	Other unknown compounds		.	
2	Surr_2,4-DDD		78	5.0

Comments for Sample AE07977 - Analysis \$GCMS

Vestchester Dept. of Labs & Research

User: Vinci, David L

Date: 04-18-2002 Time: 15:37:52

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\07977.D Vial: 17
 Acq On : 15 Apr 2002 11:54 pm Operator: Nefliu
 Sample : sample Inst : Instrumen
 Misc : Multiplr: 1.00
 MS Integration Params: EVENTS.E
 Quant Time: Apr 16 13:46:35 2002 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	6274016	40.00	ug/L	0.00
10) Napthalene-d8	13.49	136	23603950	40.00	ug/L	-0.01
17) Acenapthalene-d10	18.63	164	13901518	40.00	ug/L	0.00
29) Phenanthranene-d10	23.02	188	21416264	40.00	ug/L	0.00
37) Chrysene-d12	30.89	240	16204674	40.00	ug/L	-0.02
43) Perylene-d12	34.79	264	10782045	40.00	ug/L	-0.01

System Monitoring Compounds

27) TCMX	20.60	207	482699	6.26	ug/L	0.00
Spiked Amount	8.000		Recovery	=	78.25%	

Target Compounds

35) Di-n-butylphthalate	25.16	149	530367	0.85	ug/L	Qvalue 98
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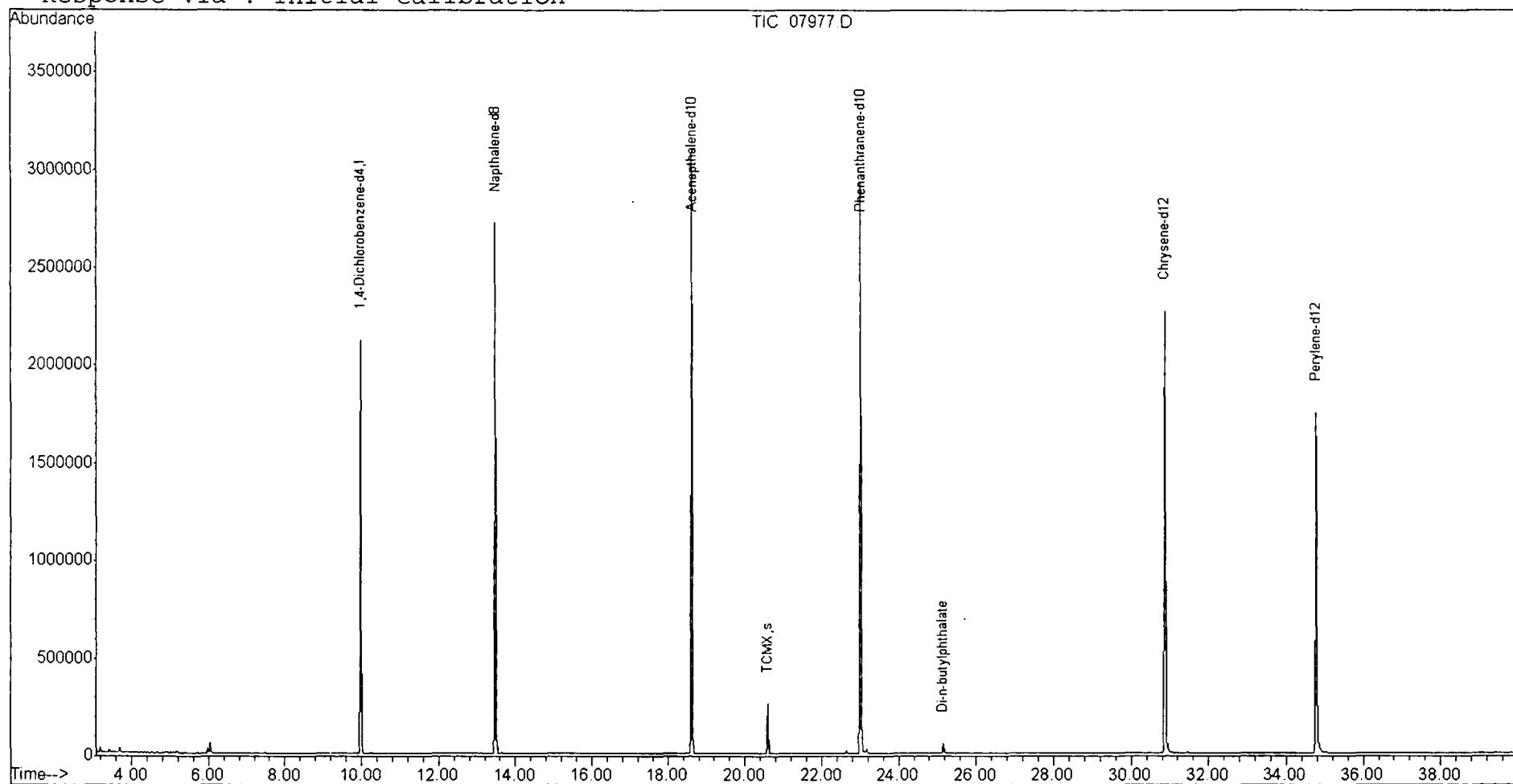
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020415\07977.D
Acq On : 15 Apr 2002 11:54 pm
Sample : sample
Misc :
MS Integration Params: EVENTS.E
Quant Time: Apr 16 13:46 2002

Vial: 17
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\07977.D

Acq On : 15 Apr 2002 11:54 pm

Sample : sample

Misc :

MS Integration Params: LSCINT.e

Vial: 17

Operator: Nefliu

Inst : Instrumen

Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\041202SCAN.M (Chemstation Integrator)

Title : 508 Modified GC/MS scan

Signal : TIC

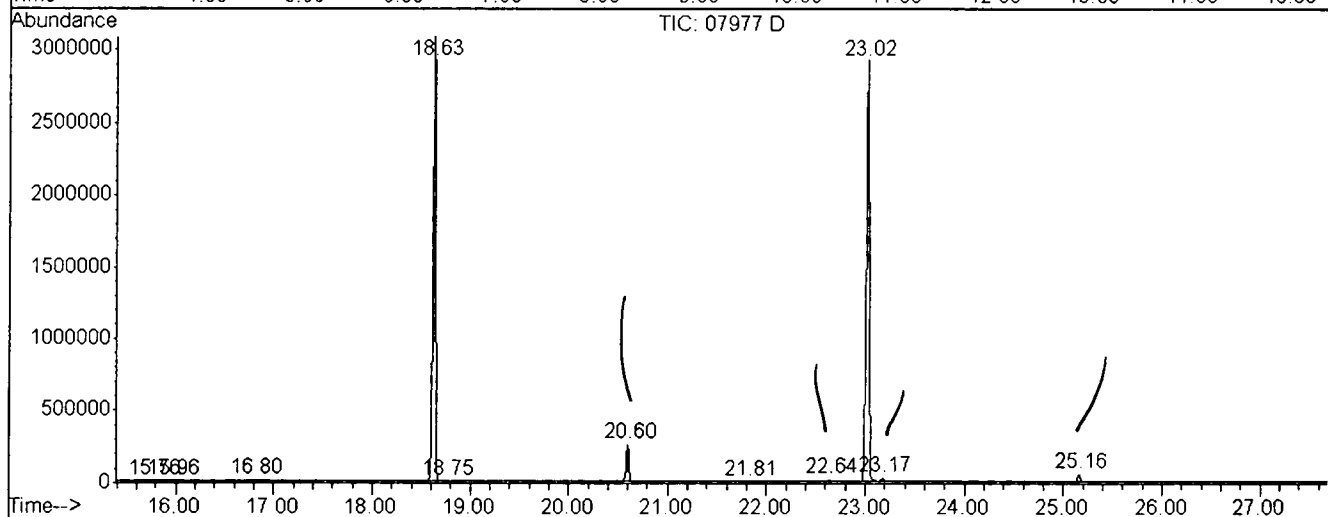
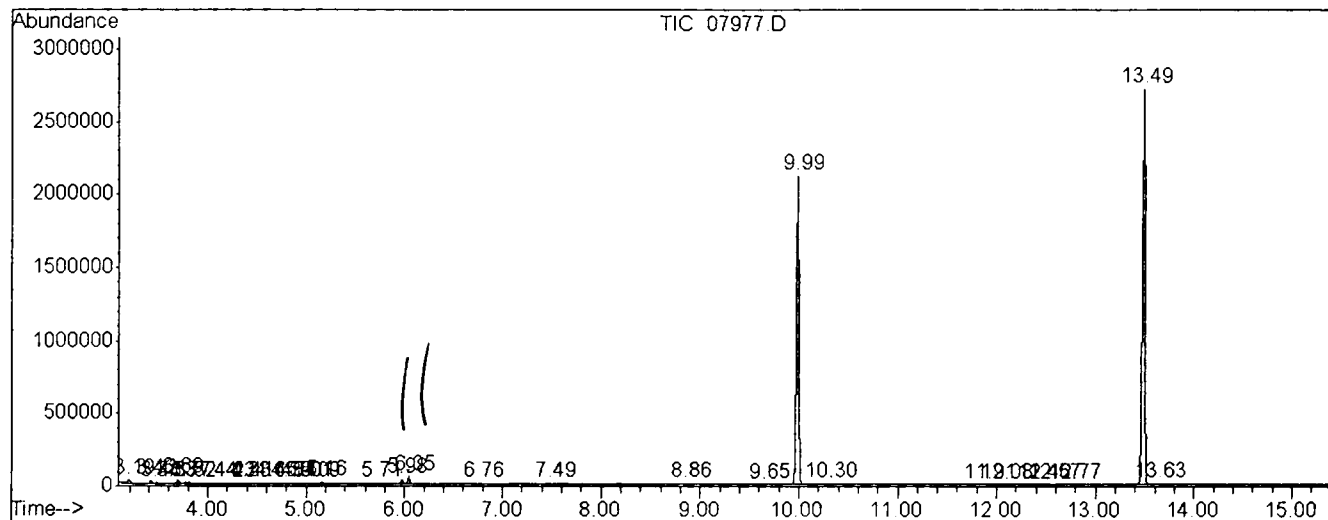
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.191	8	19	27	BV 2	22653	377111	0.67%	0.130%
2	3.426	49	59	63	PV 2	17302	265260	0.47%	0.091%
3	3.473	63	67	75	VV 6	4201	87274	0.16%	0.030%
4	3.626	85	93	100	VV 4	3627	92475	0.17%	0.032%
5	3.690	100	104	114	VV 2	25356	463362	0.83%	0.159%
6	3.773	114	118	122	VV 4	4959	101572	0.18%	0.035%
7	3.820	122	126	130	VV	5541	98582	0.18%	0.034%
8	4.231	189	196	198	VV 3	3277	57798	0.10%	0.020%
9	4.343	209	215	219	VV 5	3131	57260	0.10%	0.020%
10	4.378	219	221	225	PV 3	1778	18254	0.03%	0.006%
11	4.413	225	227	235	VV 4	1900	41755	0.07%	0.014%
12	4.648	261	267	278	VV 5	2023	74348	0.13%	0.026%
13	4.807	291	294	298	VV 4	2943	46917	0.08%	0.016%
14	4.842	298	300	307	VV 4	2208	53805	0.10%	0.018%
15	4.901	307	310	320	VV 3	3714	98828	0.18%	0.034%
16	5.007	324	328	337	VV 5	4037	75547	0.14%	0.026%
17	5.089	337	342	345	VV 4	2458	44842	0.08%	0.015%
18	5.159	349	354	371	VV 5	11614	269403	0.48%	0.093%
19	5.712	441	448	453	PV 6	2741	58229	0.10%	0.020%
20	5.976	485	493	500	VV	28596	508011	0.91%	0.175%
21	6.046	500	505	518	VV	51179	905849	1.62%	0.311%
22	6.763	622	627	634	VV 6	1660	35823	0.06%	0.012%
23	7.492	738	751	756	PV 5	3577	72818	0.13%	0.025%
24	8.861	978	984	990	PV 5	4085	85805	0.15%	0.029%
25	9.654	1115	1119	1126	PV 4	1872	34923	0.06%	0.012%
26	9.989	1165	1176	1192	VV	2065442	35551203	63.55%	12.213%
27	10.300	1225	1229	1235	PV 4	2547	37727	0.07%	0.013%
28	11.910	1498	1503	1507	BV 3	2602	42138	0.08%	0.014%
29	12.081	1527	1532	1541	VV 2	2760	61814	0.11%	0.021%
30	12.457	1591	1596	1602	VV 3	2605	56594	0.10%	0.019%
31	12.568	1607	1615	1628	VV 2	2864	76045	0.14%	0.026%
32	12.774	1642	1650	1654	VV 3	2336	48936	0.09%	0.017%
33	13.485	1760	1771	1783	PV	2666449	47230054	84.43%	16.225%
34	13.632	1786	1796	1807	VV 2	6827	138869	0.25%	0.048%
35	15.759	2151	2158	2173	PV 4	2466	65069	0.12%	0.022%
36	15.959	2187	2192	2197	PV 4	1467	25965	0.05%	0.009%
37	16.799	2326	2335	2345	PV 5	4023	77314	0.14%	0.027%

38	18.632	2635	2647	2666	PV	3026187	55938820	100.00%	19.217%
39	18.755	2666	2668	2673	VV	1082	17081	0.03%	0.006%
40	20.600	2972	2982	2993	PV	257365	4545381	8.13%	1.561%
41	21.817	3186	3189	3190	VV 2	1589	13045	0.02%	0.004%
42	22.645	3322	3330	3338	VV 2	16997	306281	0.55%	0.105%
43	23.021	3382	3394	3413	PV 2	2871503	55698097	99.57%	19.134%
44	23.174	3413	3420	3436	VV 2	22250	543308	0.97%	0.187%
45	25.160	3751	3758	3768	PV	48387	874143	1.56%	0.300%
46	30.048	4585	4590	4597	VV 4	1720	46286	0.08%	0.016%
47	30.888	4717	4733	4770	PV 2	2279689	48320614	86.38%	16.600%
48	31.118	4770	4772	4777	VV 2	2407	54047	0.10%	0.019%
49	31.458	4824	4830	4832	PV 3	2181	28410	0.05%	0.010%
50	34.790	5384	5397	5424	PV	1698567	37089463	66.30%	12.741%
51	34.954	5424	5425	5443	VV 4	6287	182493	0.33%	0.063%

Sum of corrected areas: 291095047

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\020415\07977.D
 Operator : Nefliu
 Acquired : 15 Apr 2002 11:54 pm using AcqMethod 508SCAN
 Instrument : Instrumen
 Sample Name: sample
 Misc Info :
 Vial Number: 17
 Quant File :041202SCAN.RES (Chemstation Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\020415\07977.D
 Acq On : 15 Apr 2002 11:54 pm
 Sample : sample
 Misc :
 MS Integration Params: LSCINT.e

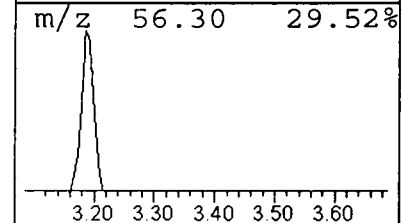
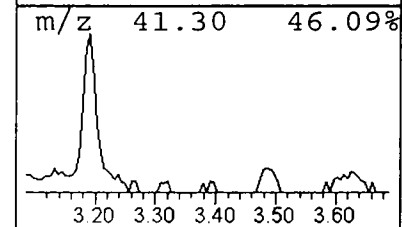
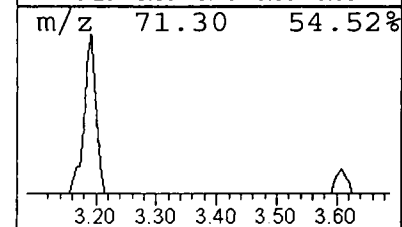
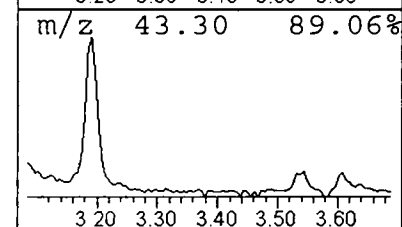
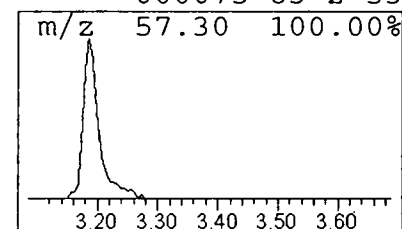
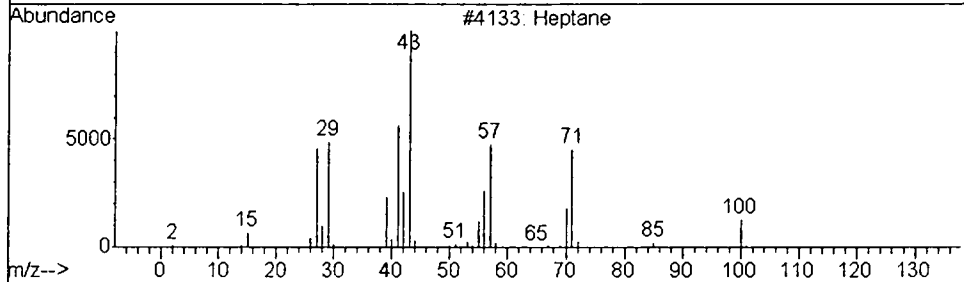
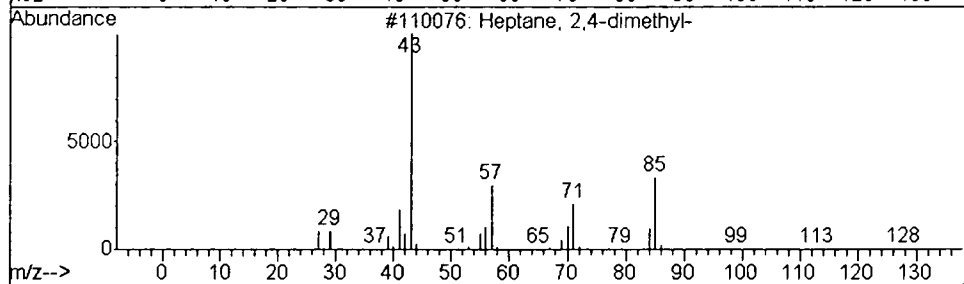
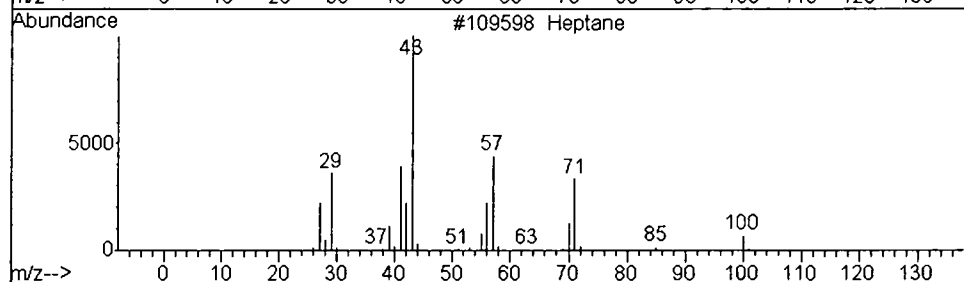
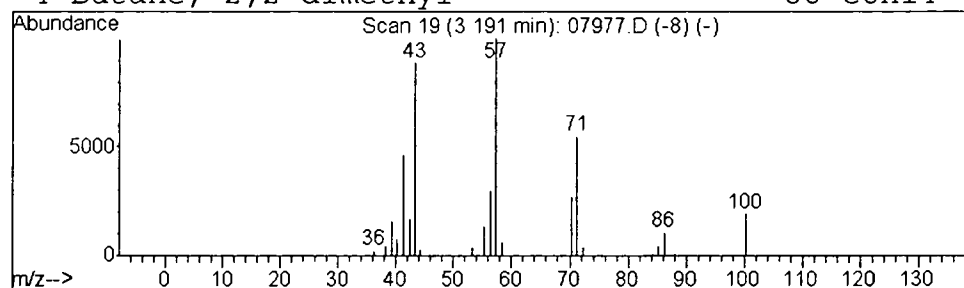
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 Operator: Nefliu
 Inst : Instrumen
 Multiplr: 1.00

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

 Peak Number 1 Heptane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.19	0.42 ug/L	377111	1,4-Dichlorobenzene-d4	9.99

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane	100	C7H16	000142-82-5	64
2			Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	59
3			Heptane	100	C7H16	000142-82-5	56
4			Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	53



Library Search Compound Report

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 Acq On : 15 Apr 2002 11:54 pm
 Sample : sample
 Misc :
 MS Integration Params: LSCINT.e

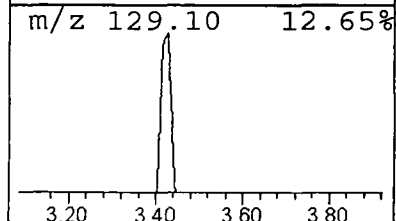
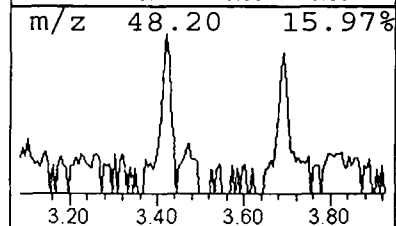
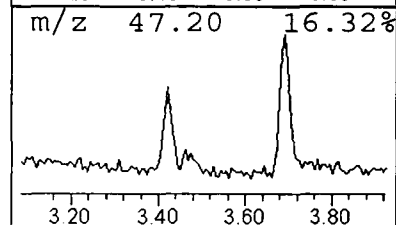
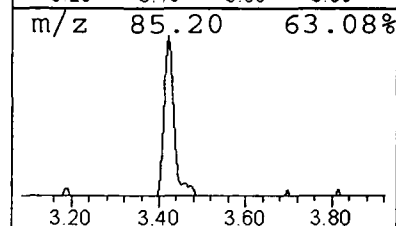
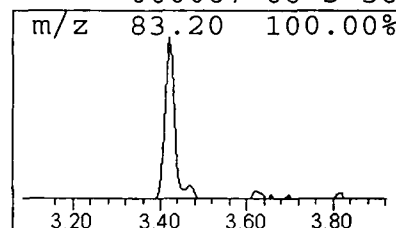
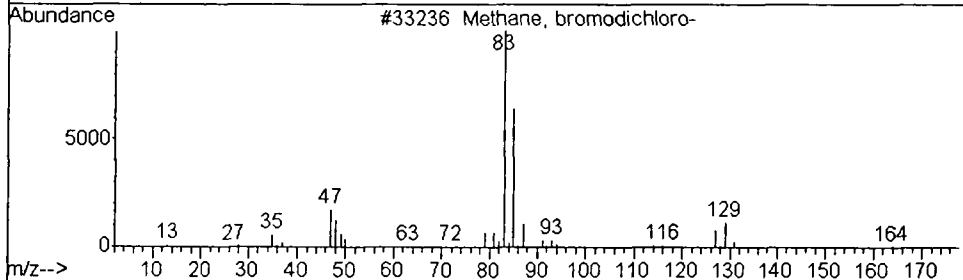
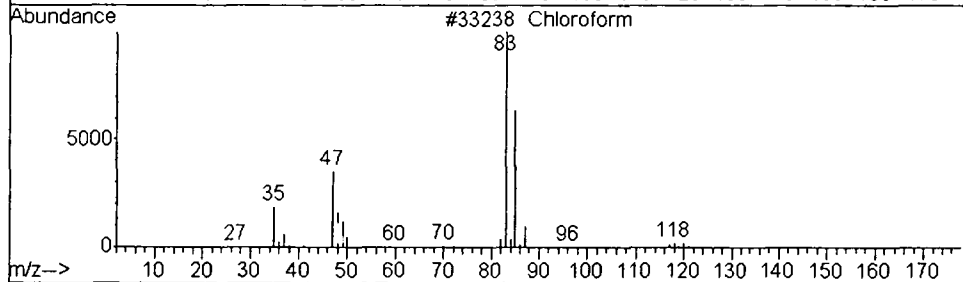
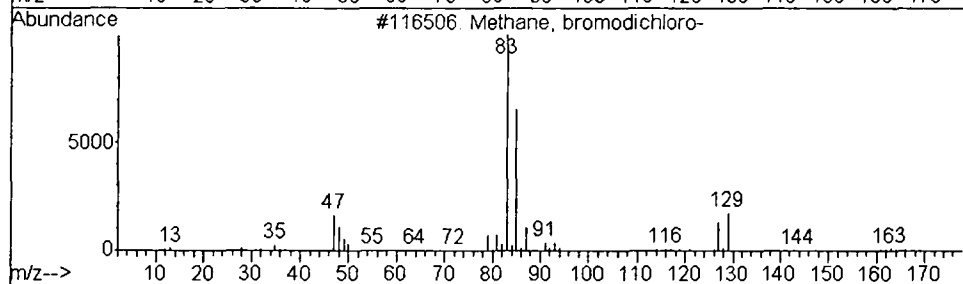
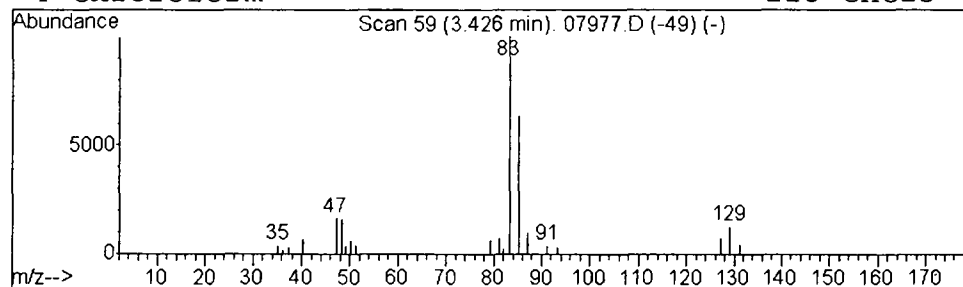
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 Inst : Instrumen
 Multiplr: 1.00

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

 Peak Number 2 Methane, bromodichloro- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.42	0.30 ug/L	265260	1,4-Dichlorobenzene-d4	9.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Methane, bromodichloro-	162	CHBrCl2	000075-27-4	64
2		Chloroform	118	CHCl3	000067-66-3	64
3		Methane, bromodichloro-	162	CHBrCl2	000075-27-4	64
4		Chloroform	118	CHCl3	000067-66-3	56



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\020415\07977.D
 Acq On : 15 Apr 2002 11:54 pm
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 Misc :
 MS Integration Params: LSCINT.e

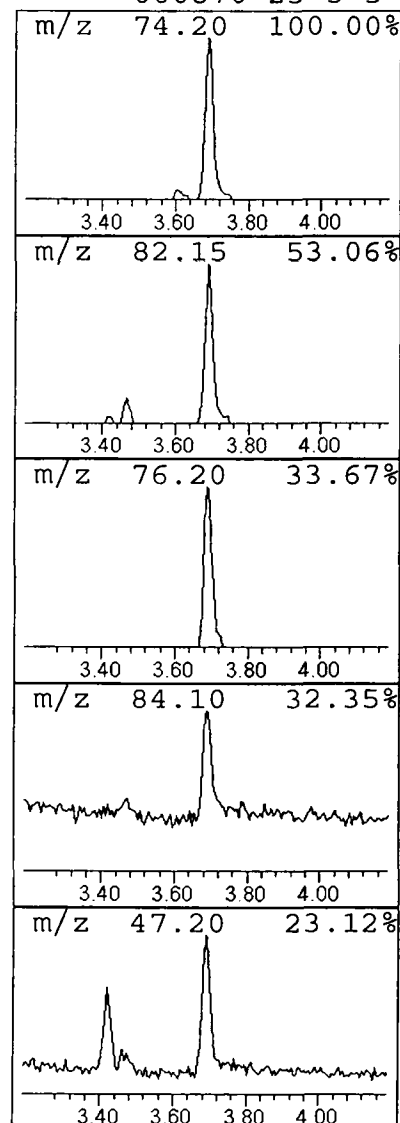
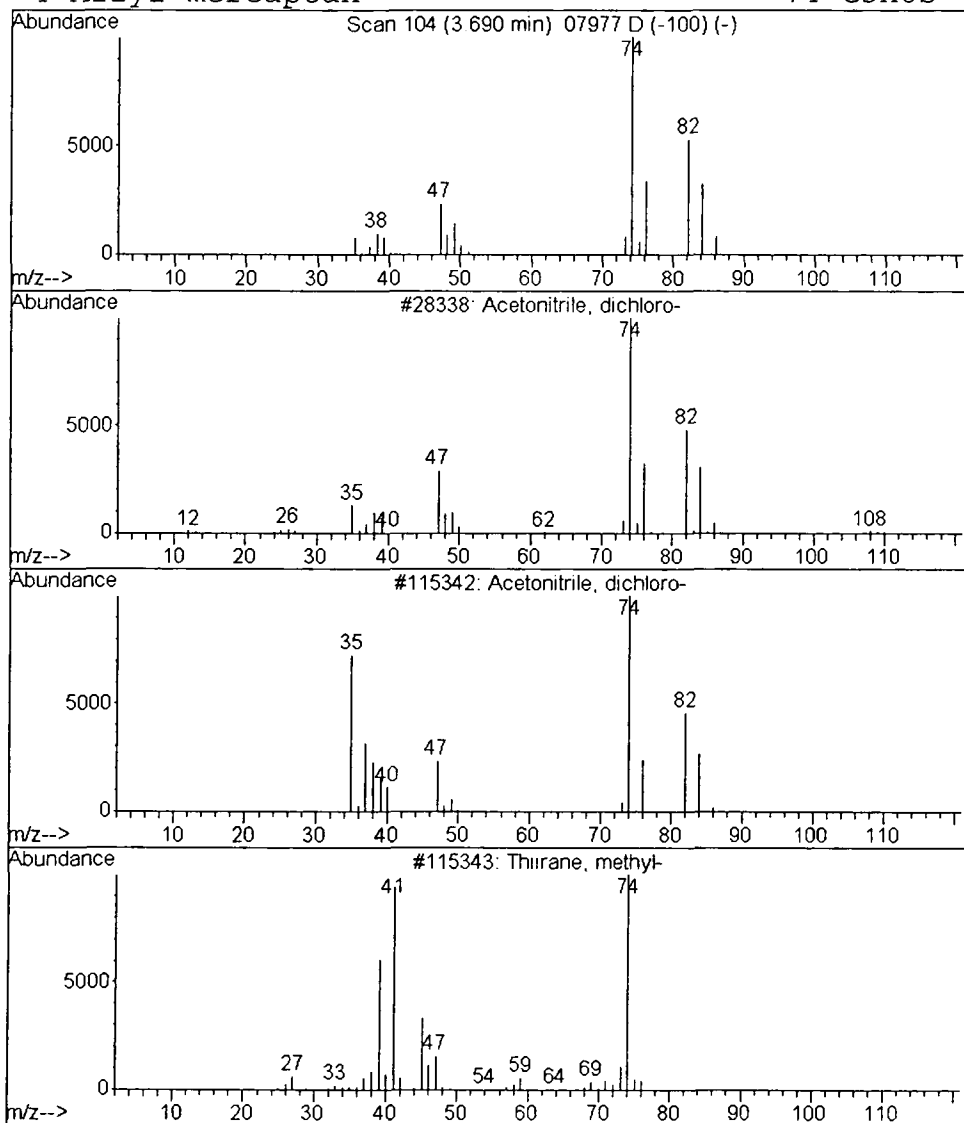
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 Multiplr: 1.00

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

 Peak Number 3 Acetonitrile, dichloro- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.69	0.52 ug/L	463362	1,4-Dichlorobenzene-d4	9.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	90
2		Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	64
3		Thiirane, methyl-	74	C3H6S	001072-43-1	7
4		Allyl mercaptan	74	C3H6S	000870-23-5	5



Library Search Compound Report

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 Acq On : 15 Apr 2002 11:54 pm
 Sample : sample
 Misc :
 MS Integration Params: LSCINT.e

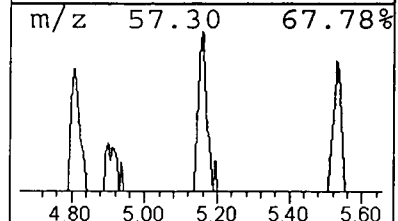
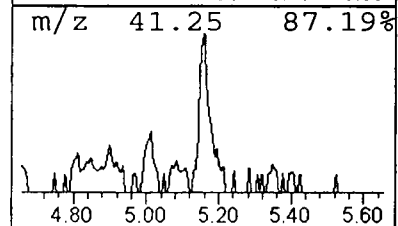
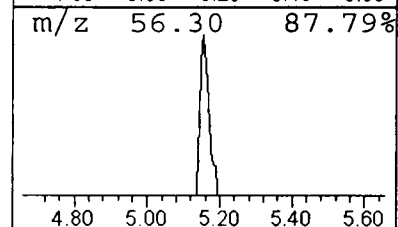
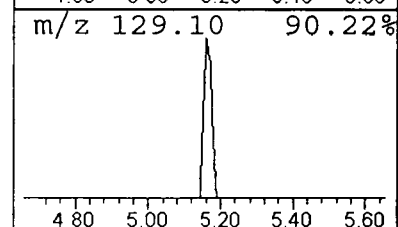
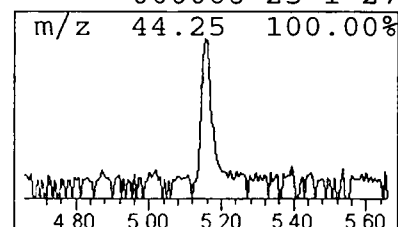
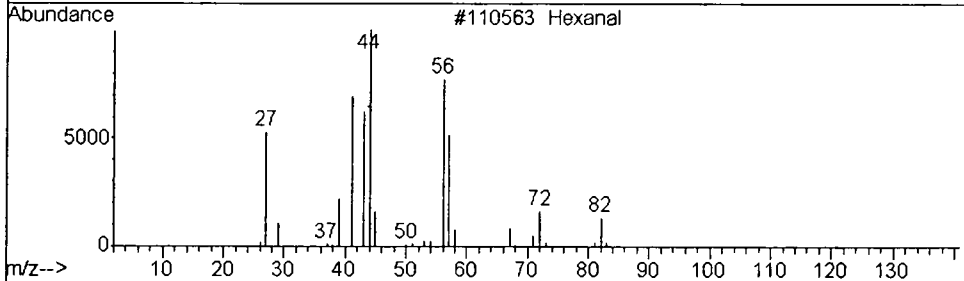
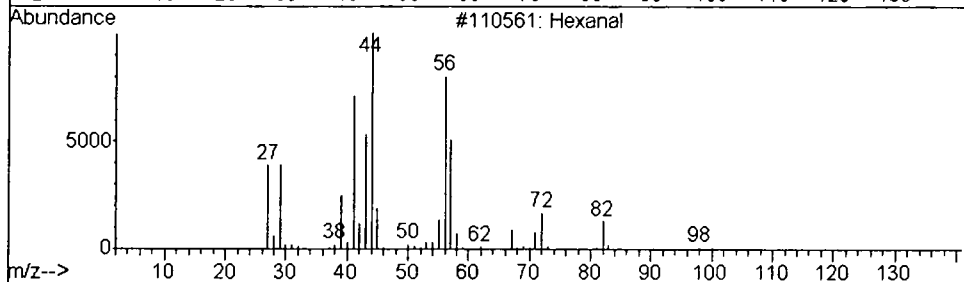
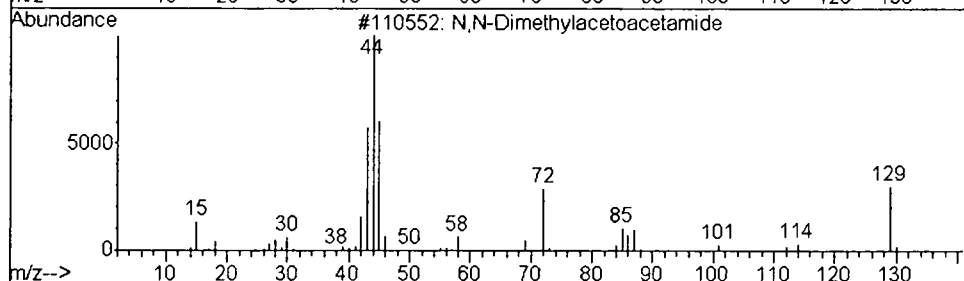
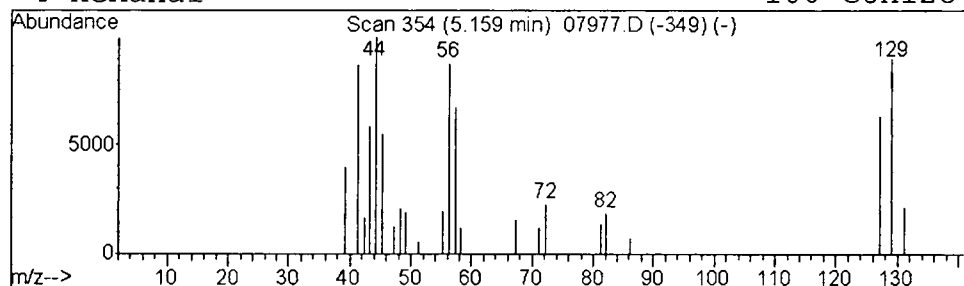
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 Multiplr: 1.00

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

 Peak Number 4 N,N-Dimethylacetoacetamide Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.16	0.30 ug/L	269403	1,4-Dichlorobenzene-d4	9.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	N,N-Dimethylacetoacetamide	129	C6H11NO2	002044-64-6	35
2		Hexanal	100	C6H12O	000066-25-1	27
3		Hexanal	100	C6H12O	000066-25-1	27
4		Hexanal	100	C6H12O	000066-25-1	27



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\020415\07977.D
 Acq On : 15 Apr 2002 11:54 pm
 Sample : sample
 Misc :
 MS Integration Params: LSCINT.e

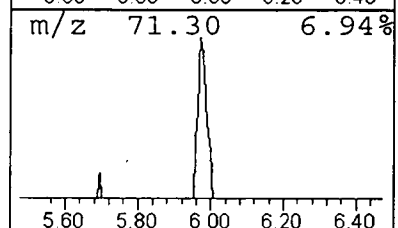
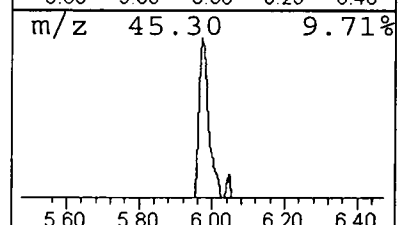
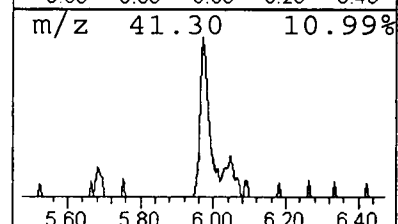
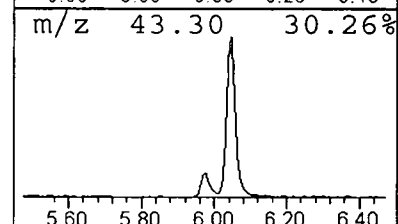
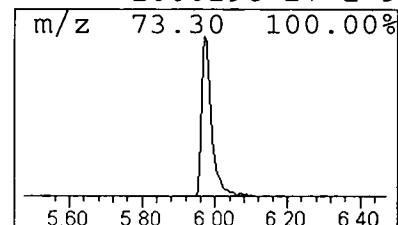
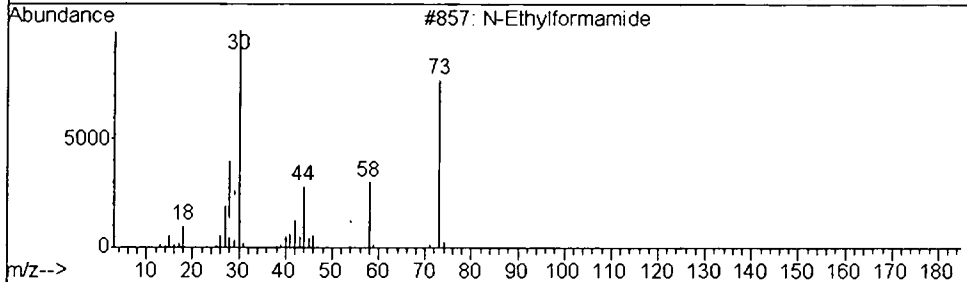
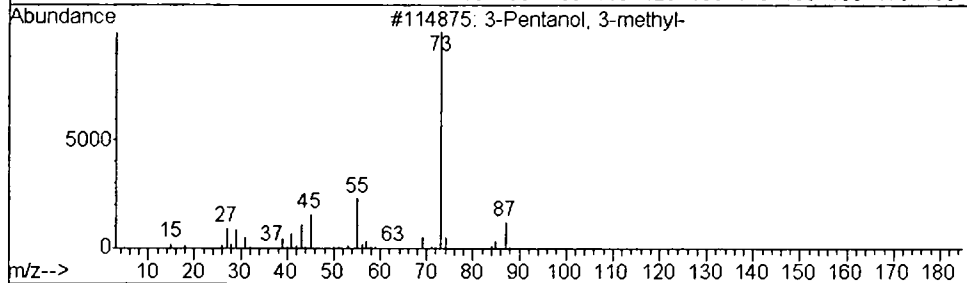
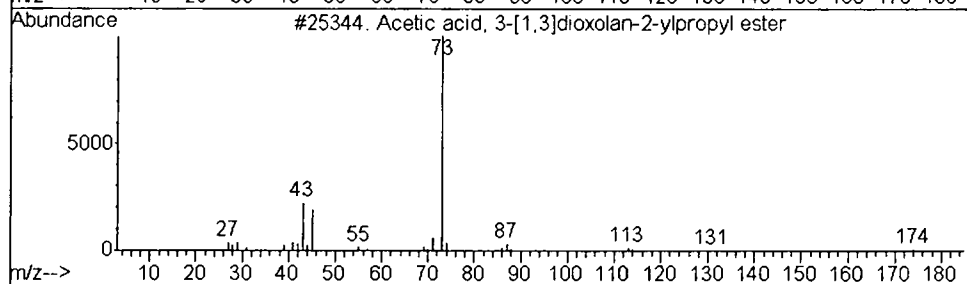
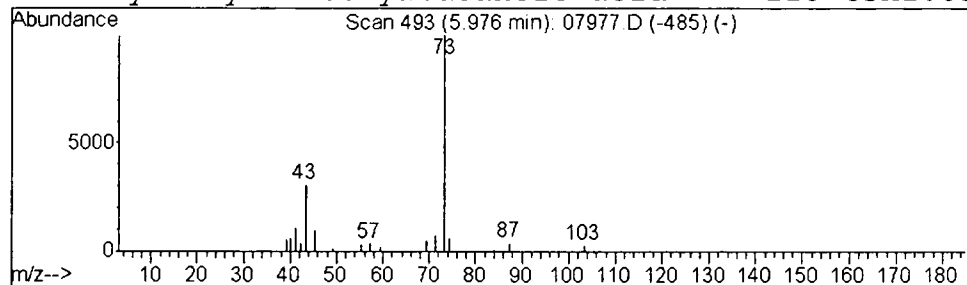
Vial: 17
 Operator: Nefliu
 Inst : Instrumen
 Multiplr: 1.00

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

 Peak Number 5 Acetic acid, 3-[1,3]dioxola... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.98	0.57 ug/L	508011	1,4-Dichlorobenzene-d4	9.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Acetic acid, 3-[1,3]dioxolan-2-y...	174	C8H14O4	1000186-02-3	38
2		3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	28
3		N-Ethylformamide	73	C3H7NO	000627-45-2	9
4		2-Hydroxy-2-methylbutanoic acid	118	C5H10O3	1000196-27-1	9



Library Search Compound Report

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Acq On : 15 Apr 2002 11:54 pm
Sample : sample
Misc :
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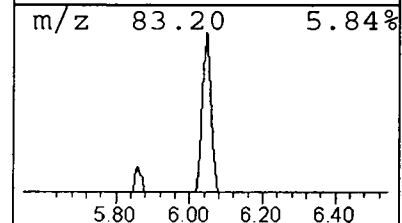
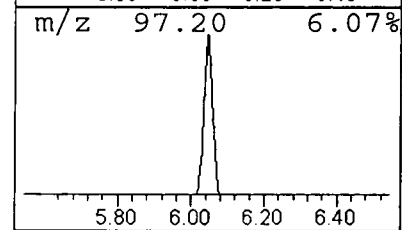
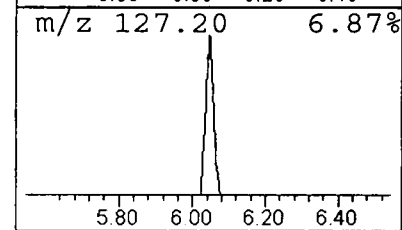
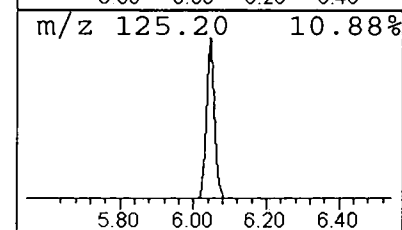
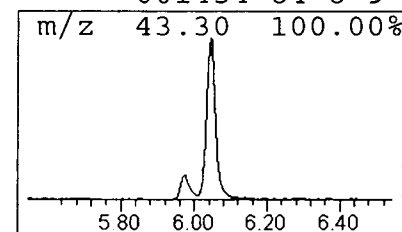
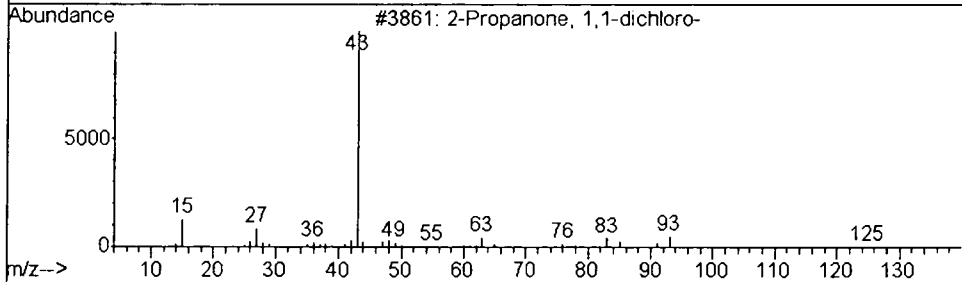
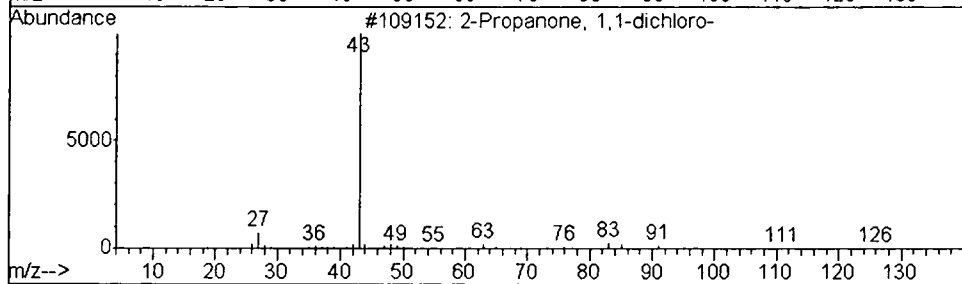
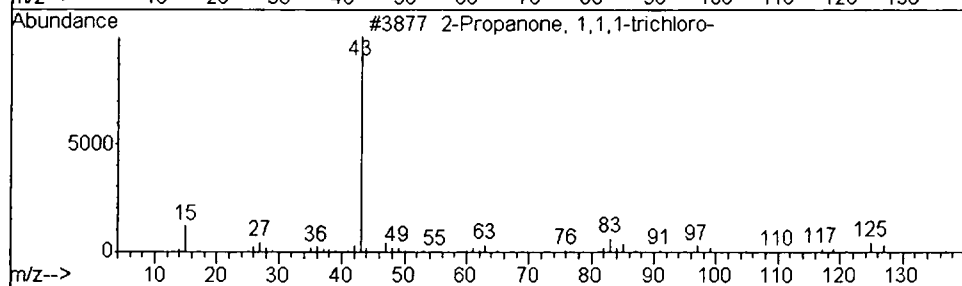
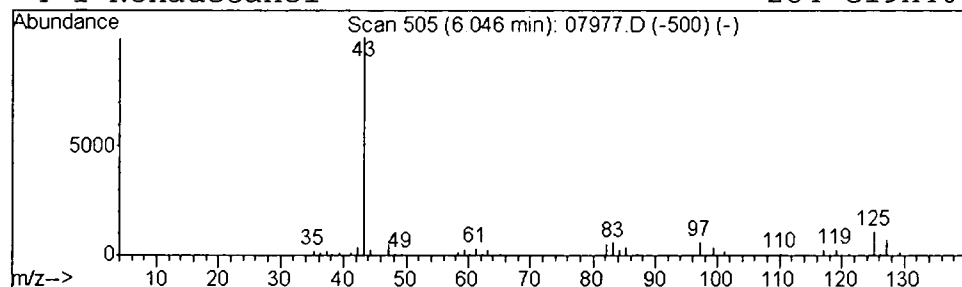
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Operator: Nefliu
Inst : Instrumen
Multiplr: 1.00

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

Peak Number 6 2-Propanone, 1,1,1-trichloro- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.05	1.02 ug/L	905849	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-Propanone, 1,1-dichloro-	126	C3H4Cl2O	000513-88-2	9
3			2-Propanone, 1,1-dichloro-	126	C3H4Cl2O	000513-88-2	9
4			1-Nonadecanol	284	C19H40O	001454-84-8	9



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\020415\07977.D
Acq On : 15 Apr 2002 11:54 pm
Sample : sample
Misc :
MS Integration Params: LSCINT.e

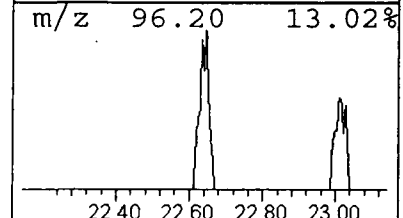
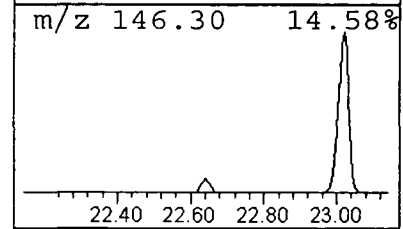
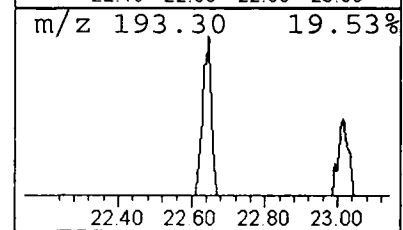
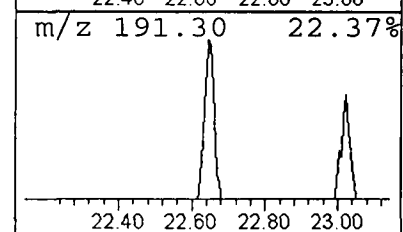
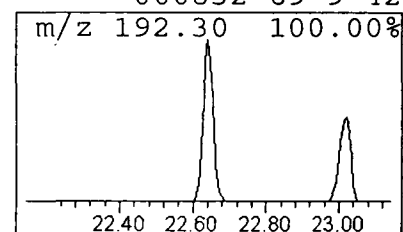
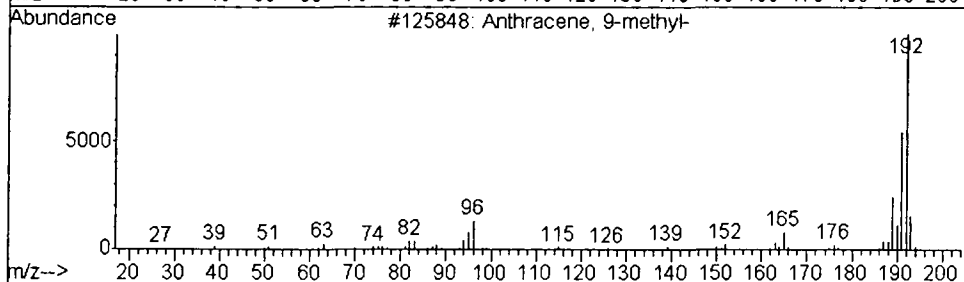
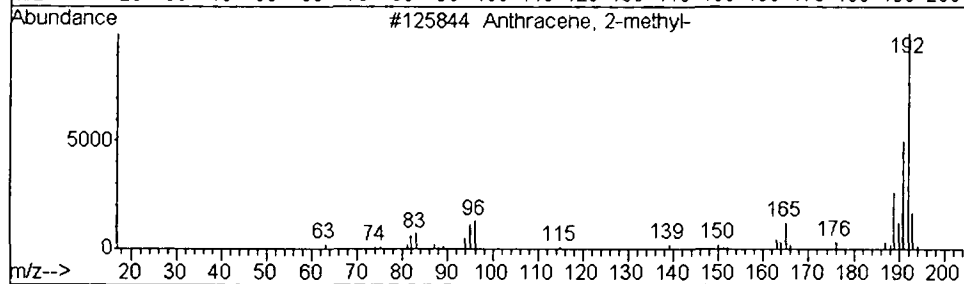
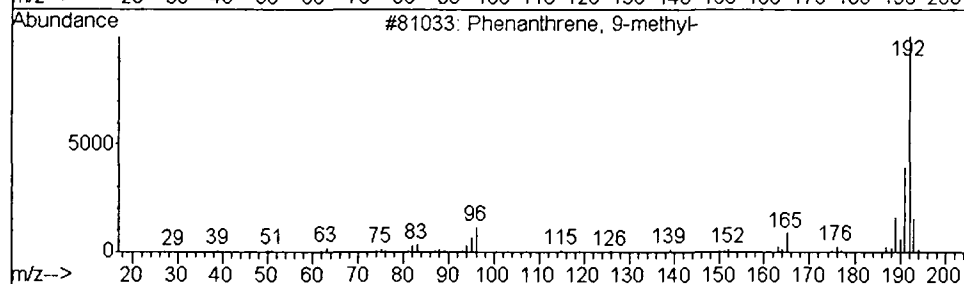
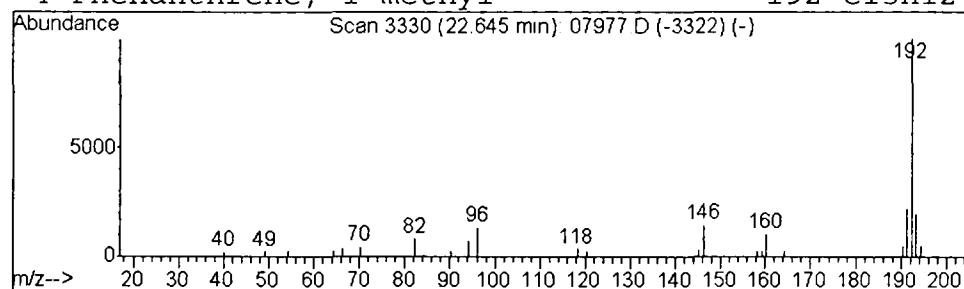
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Inst : Instrumen
Multiplr: 1.00

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

Peak Number 7 Phenanthrene, 9-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.64	0.22 ug/L	306281	Phenanthranene-d10	23.02

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	53
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	42
3		Anthracene, 9-methyl-	192	C15H12	000779-02-2	42
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\020415\07977.D
 Acq On : 15 Apr 2002 11:54 pm
 Sample : sample
 Misc :
 MS Integration Params: LSCINT.e

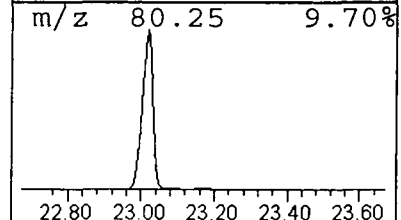
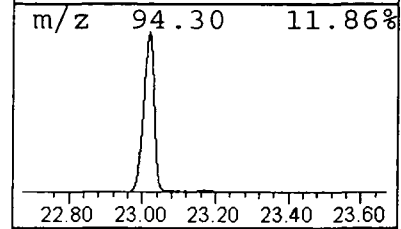
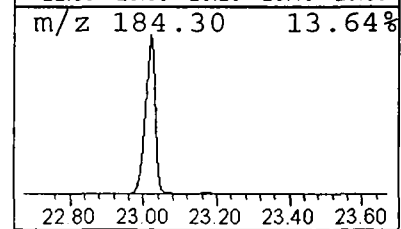
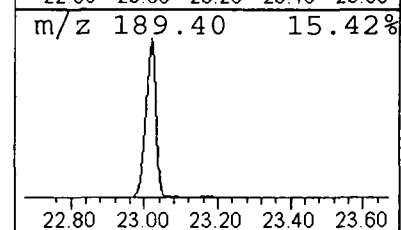
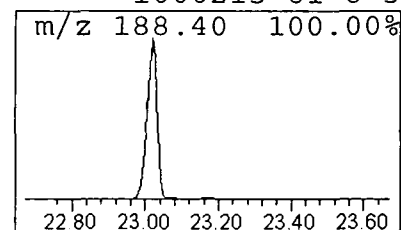
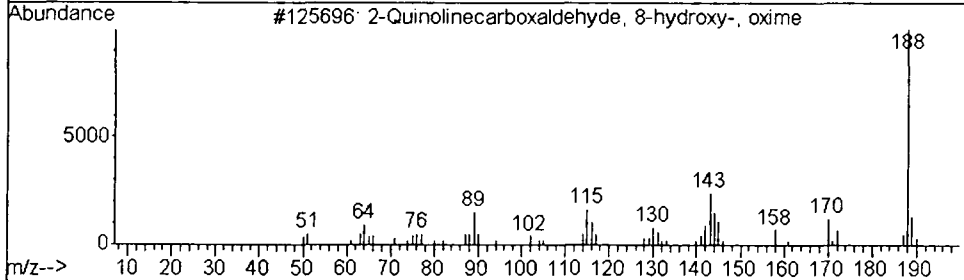
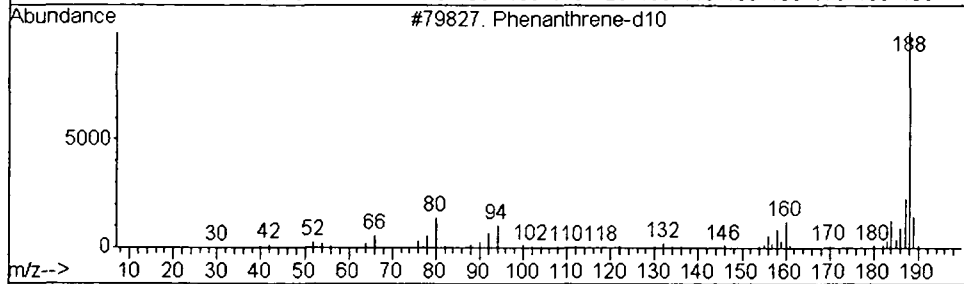
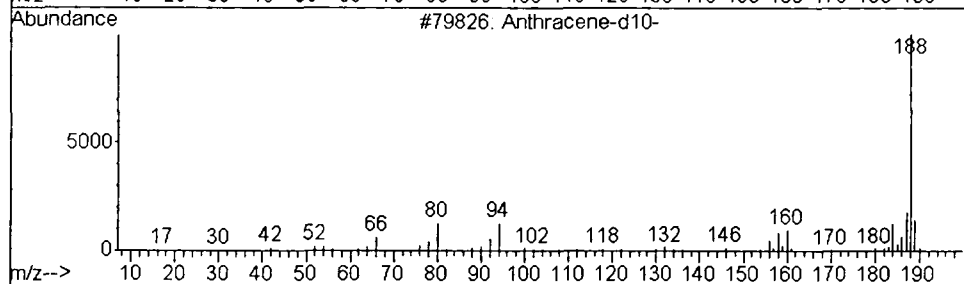
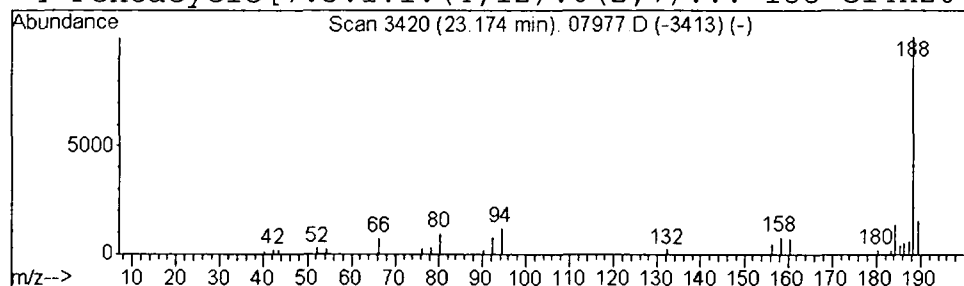
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 Multiplr: 1.00

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

 Peak Number 8 Anthracene-d10- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.17	0.39 ug/L	543308	Phenanthrene-d10	23.02

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene-d10-	188	C14D10	001719-06-8	94
2		Phenanthrene-d10	188	C14D10	001517-22-2	72
3		2-Quinolinecarboxaldehyde, 8-hyd...	188	C10H8N2O2	005603-22-5	40
4		Pentacyclo[7.3.1.1.(4,12).0(2,7)...	188	C14H20	1000215-61-8	36



Tentatively Identified Compound (LSC) summary

Operator ID: Nefliu Date Acquired: 15 Apr 2002 11:54 pm
 Data File: C:\MSDCHEM\1\DATA\020415\07977.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
✓ Heptane	3.19	0.4	ug/L	377111	1	9.99	35551200	40.0
Methane, bromodic...	3.42	0.3	ug/L	265260	1	9.99	35551200	40.0
✓ Acetonitrile, dic...	3.69	0.5	ug/L	463362	1	9.99	35551200	40.0
✓ N,N-Dimethylaceto...	5.16	0.3	ug/L	269403	1	9.99	35551200	40.0
Acetic acid, 3-[1...	5.98	0.6	ug/L	508011	1	9.99	35551200	40.0
2-Propanone, 1,1,...	6.05	1.0	ug/L	905849	1	9.99	35551200	40.0
✓ Phenanthrene, 9-m...	22.64	0.2	ug/L	306281	4	23.02	55698100	40.0
✓ Anthracene-d10-	23.17	0.4	ug/L	543308	4	23.02	55698100	40.0