

User: Vinci, David L
 Westchester Dept. of Labs & Research
 Date: 04/18/2002 Time: 15:31:20

Sample: AE07972
 Analysis: \$GCMS GCMS Scan For Unknowns
 Units: ug
 Started: 4/18/2002 15:30 Ended: 4/18/2002 15:30 Analyst: DLV
 Page: 1

	Component Name	Viol	Result	MDL
1	Other unknown compounds		.	
2	Surr_2,4-DDD		76	5.0

Comments for Sample AE07972 - Analysis \$GCMS

Vestchester Dept. of Labs & Research

User: Vinci, David L

Date: 04-18-2002 Time: 15:31:58

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\07972.D Vial: 12
 Acq On : 15 Apr 2002 7:47 pm Operator: Nefliu
 Sample : sample Inst : Instrumen
 Misc : Multiplr: 1.00
 MS Integration Params: EVENTS.E
 Quant Time: Apr 16 11:12:34 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 11:12:29 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	5606485	40.00	ug/L	0.00
10) Napthalene-d8	13.49	136	21101503	40.00	ug/L	-0.01
17) Acenapthalene-d10	18.63	164	12383516	40.00	ug/L	0.00
29) Phenanthranene-d10	23.02	188	19275097	40.00	ug/L	0.00
37) Chrysene-d12	30.89	240	16116536	40.00	ug/L	-0.02
43) Perylene-d12	34.79	264	11396893	40.00	ug/L	0.00
System Monitoring Compounds						
27) TCMX	20.60	207	419414	6.11	ug/L	0.00
Spiked Amount	8.000		Recovery	=	76.38%	
Target Compounds						
35) Di-n-butylphthalate	25.16	149	453013	0.81	ug/L	Qvalue 98

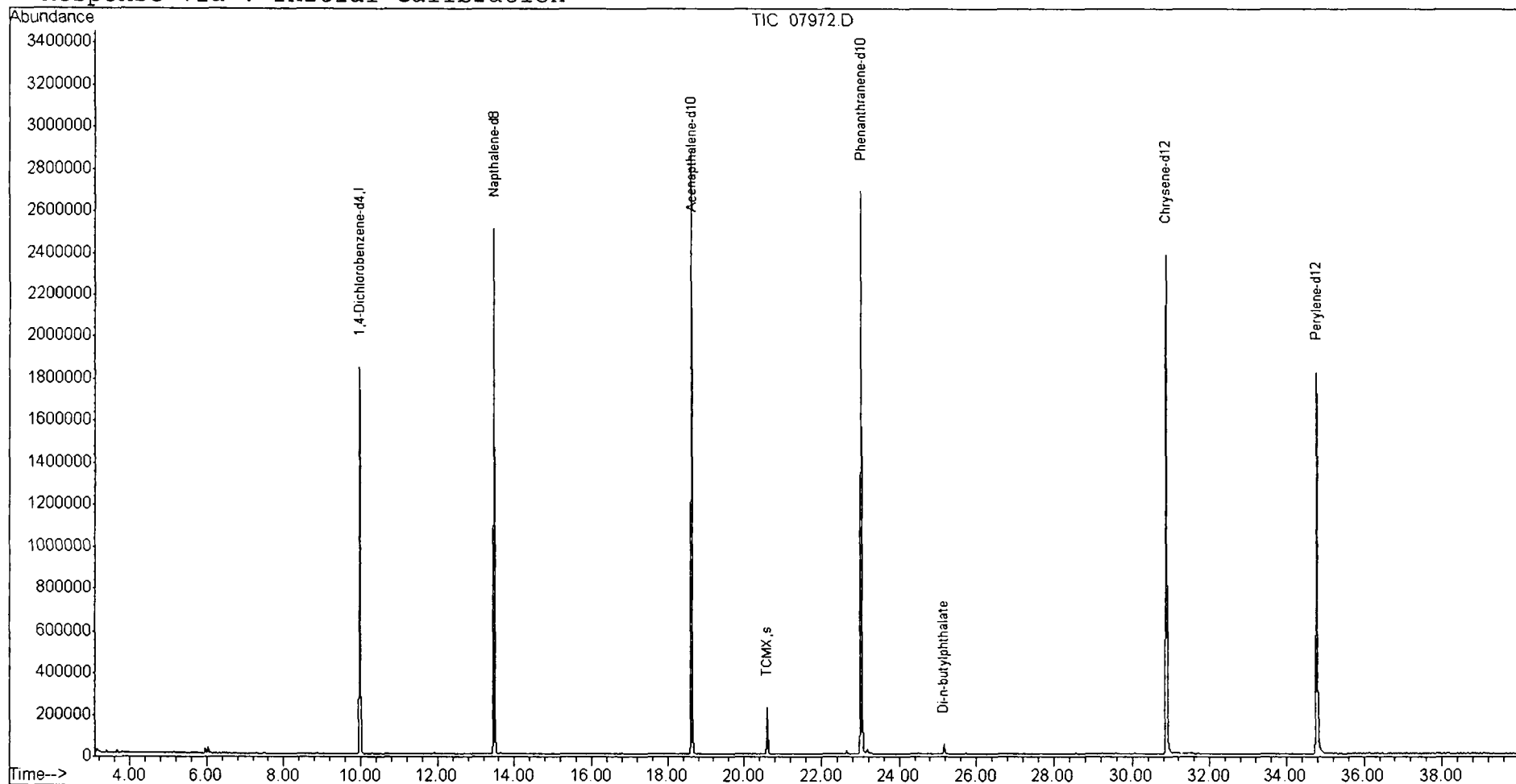
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020415\07972.D
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 Sample : sample
 Misc :
 MS Integration Params: EVENTS.E
 Quant Time: Apr 16 11:14 2002

Vial: 12
 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 11:12:29 2002
 Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\020415\07972.D
 Acq On : 15 Apr 2002 7:47 pm
 Sample : sample
 Misc :
 MS Integration Params: LSCINT.e

Vial: 12
 Operator: Nefliu
 Inst : Instrumen
 Multiplr: 1.00

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

Signal : TIC

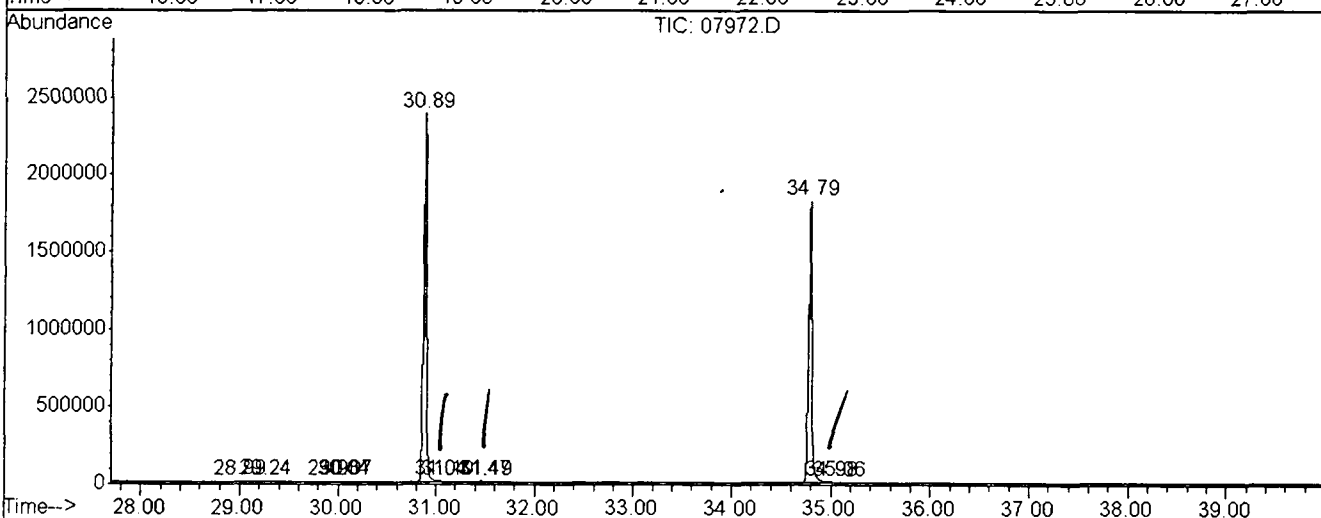
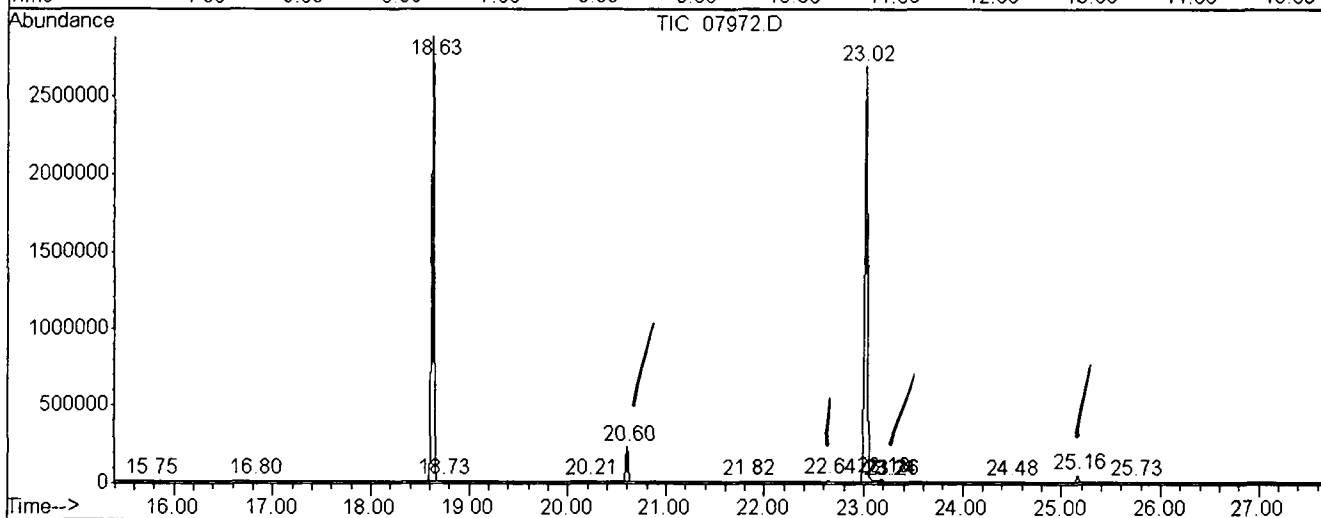
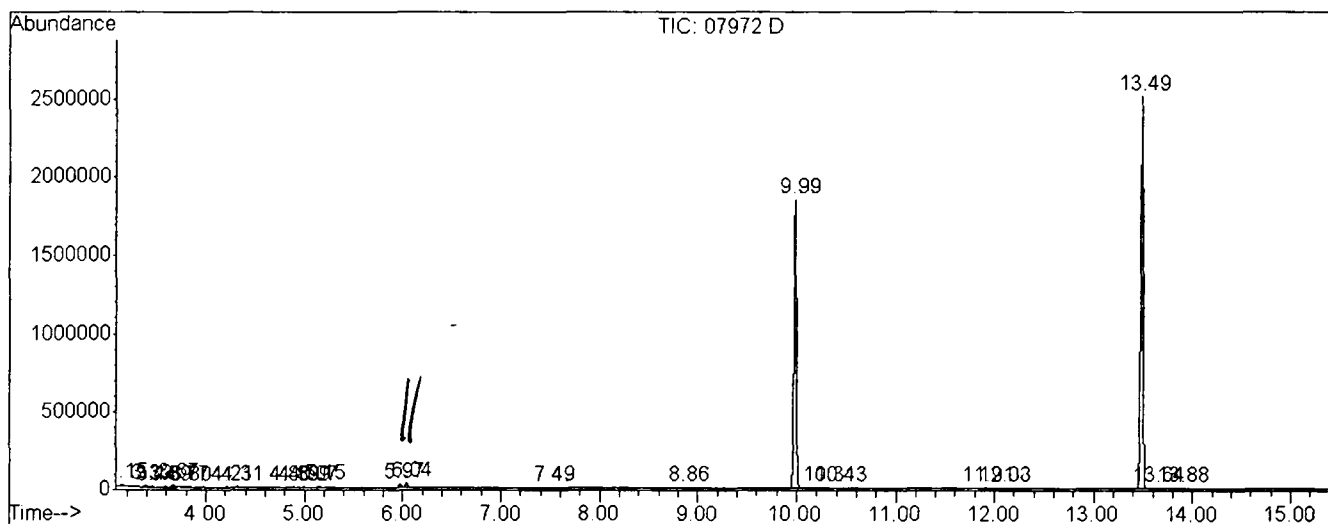
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.150	4	12	20	BV 3	12188	247155	0.49%	0.091%
2	3.390	46	53	59	PV 2	9314	156849	0.31%	0.058%
3	3.437	59	61	70	VV 3	2246	53352	0.11%	0.020%
4	3.590	82	87	94	PV 6	1973	37475	0.07%	0.014%
5	3.667	94	100	106	VV 2	14553	237143	0.47%	0.087%
6	3.767	112	117	118	VV 5	3052	55233	0.11%	0.020%
7	3.796	118	122	137	VV	5128	162209	0.32%	0.060%
8	4.207	185	192	200	VV 4	2810	85333	0.17%	0.031%
9	4.313	207	210	217	VV 6	2567	47857	0.10%	0.018%
10	4.795	288	292	296	VV 3	2526	40680	0.08%	0.015%
11	4.889	303	308	321	VV 4	2951	94511	0.19%	0.035%
12	4.995	321	326	335	VV 4	3185	66456	0.13%	0.025%
13	5.071	335	339	343	PV 6	1848	34620	0.07%	0.013%
14	5.147	346	352	362	VV 5	9072	191030	0.38%	0.070%
15	5.970	487	492	499	PV	22966	417800	0.83%	0.154%
16	6.040	499	504	517	VV	28972	533282	1.06%	0.197%
17	7.492	746	751	762	PV 4	3570	58039	0.12%	0.021%
18	8.861	978	984	990	BV 4	2935	56308	0.11%	0.021%
19	9.989	1155	1176	1193	VV	1838661	31900387	63.61%	11.766%
20	10.306	1224	1230	1240	VV 3	4593	97718	0.19%	0.036%
21	10.424	1244	1250	1256	VV 5	2345	48319	0.10%	0.018%
22	11.910	1497	1503	1511	VV 4	7531	125683	0.25%	0.046%
23	12.080	1526	1532	1540	PV 2	2180	48637	0.10%	0.018%
24	13.485	1762	1771	1784	PV	2451516	42250816	84.25%	15.584%
25	13.637	1791	1797	1803	BV	4987	78158	0.16%	0.029%
26	13.878	1833	1838	1845	VV 4	2604	35752	0.07%	0.013%
27	15.753	2153	2157	2163	PV 3	1847	27803	0.06%	0.010%
28	16.804	2327	2336	2348	BV 3	3514	68996	0.14%	0.025%
29	18.632	2623	2647	2662	PV	2806573	49587352	98.88%	18.290%
30	18.732	2662	2664	2667	VV 4	1086	12817	0.03%	0.005%
31	20.206	2909	2915	2928	VV 3	2174	52373	0.10%	0.019%
32	20.600	2972	2982	2991	PV	221892	3972037	7.92%	1.465%
33	21.816	3185	3189	3194	PV 4	2363	34720	0.07%	0.013%
34	22.645	3324	3330	3337	VV 2	15187	265015	0.53%	0.098%
35	23.021	3381	3394	3414	PV 2	2625371	50151029	100.00%	18.498%
36	23.174	3414	3420	3430	VV	20732	489010	0.98%	0.180%
37	23.238	3430	3431	3433	VV 2	1773	13842	0.03%	0.005%

38	23.262	3433	3435	3438	VV	3	1374	11179	0.02%	0.004%
39	24.478	3639	3642	3650	VV	3	1701	26473	0.05%	0.010%
40	25.160	3751	3758	3769	PV		43266	817821	1.63%	0.302%
41	25.729	3846	3855	3858	PV	4	1594	33237	0.07%	0.012%
42	28.985	4401	4409	4425	PV	3	1992	53291	0.11%	0.020%
43	29.237	4447	4452	4461	VV	5	1855	48999	0.10%	0.018%
44	29.930	4568	4570	4575	VV	2	1726	16114	0.03%	0.006%
45	30.042	4585	4589	4590	VV	2	1788	16421	0.03%	0.006%
46	30.066	4590	4593	4602	VV	4	2641	59176	0.12%	0.022%
47	30.888	4718	4733	4756	PV	2	2335603	48177014	96.06%	17.770%
48	31.035	4756	4758	4767	VV	7	5954	188235	0.38%	0.069%
49	31.094	4767	4768	4776	VV	4	3170	84263	0.17%	0.031%
50	31.470	4820	4832	4834	PV	5	5156	115237	0.23%	0.043%
51	31.488	4834	4835	4842	VV	4	2196	38741	0.08%	0.014%
52	34.790	5385	5397	5429	PV	2	1785509	39436094	78.63%	14.546%
53	34.983	5429	5430	5437	VV	5	4519	96639	0.19%	0.036%
54	35.054	5437	5442	5450	VV	5	2263	64694	0.13%	0.024%

Sum of corrected areas: 271119424

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\020415\07972.D
 Operator : Nefliu
 Acquired : 15 Apr 2002 7:47 pm using AcqMethod 508SCAN
 Instrument : Instrumen
 Sample Name: sample
 Misc Info :
 Vial Number: 12
 Quant File :041202SCAN.RES (Chemstation Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\020415\07972.D
Acq On : 15 Apr 2002 7:47 pm
Sample : sample
Misc :
MS Integration Params: LSCINT.e

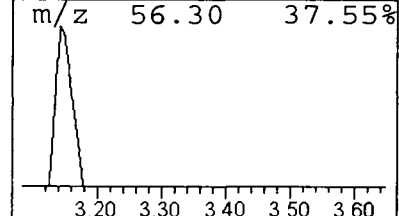
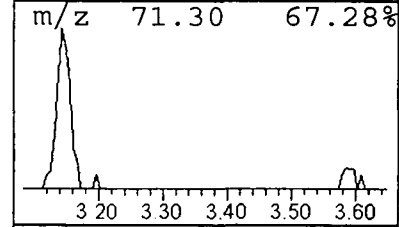
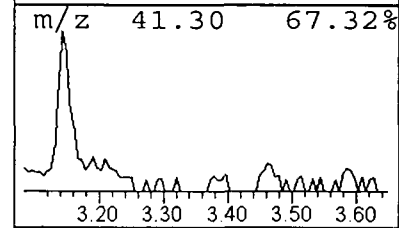
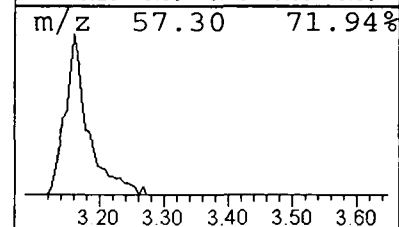
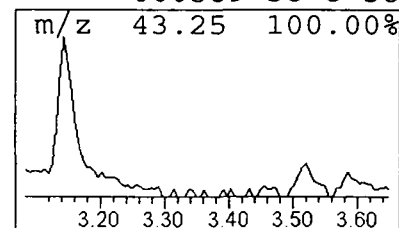
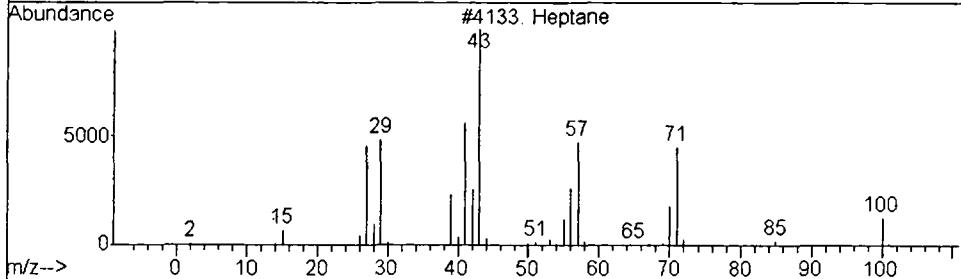
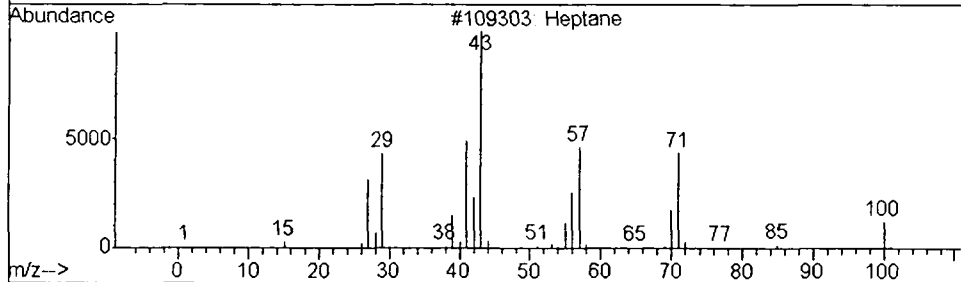
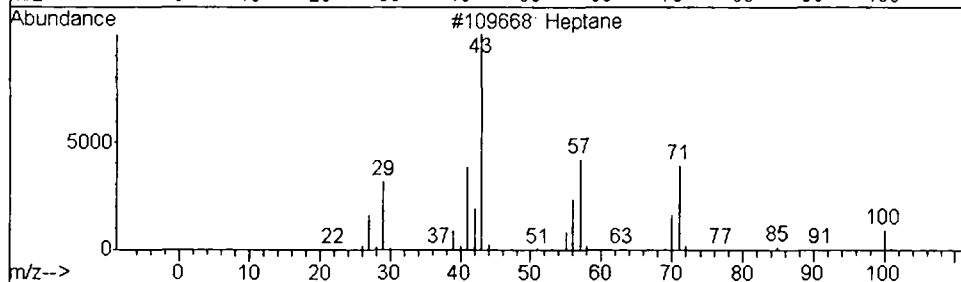
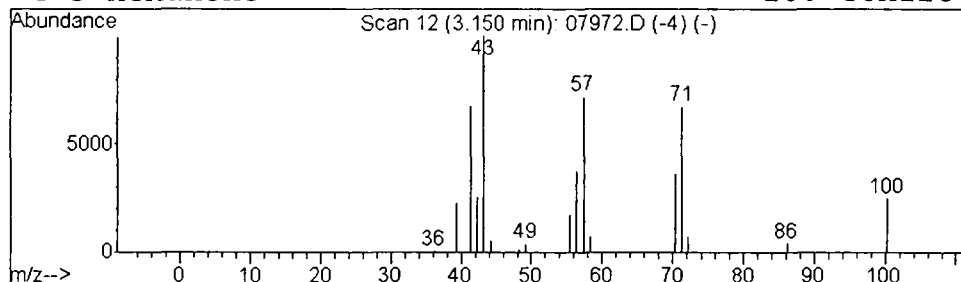
Vial: 12
Operator: Nefliu
Inst : Instrumen
Multiplr: 1.00

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.
3.15	0.31 ug/L	247155	1,4-Dichlorobenzene-d4	9.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane	100	C7H16	000142-82-5	78
2		Heptane	100	C7H16	000142-82-5	72
3		Heptane	100	C7H16	000142-82-5	64
4		3-Hexanone	100	C6H12O	000589-38-8	38



Library Search Compound Report

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 Acq On : 15 Apr 2002 7:47 pm
 Sample : sample
 Misc :
 MS Integration Params: LSCINT.e

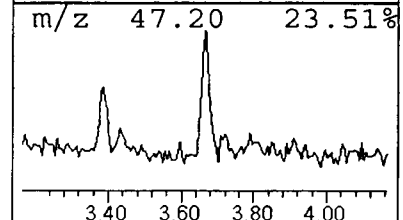
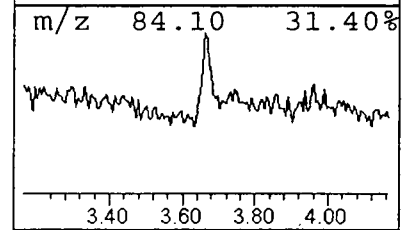
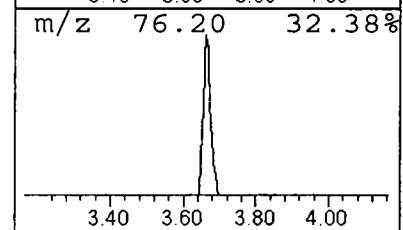
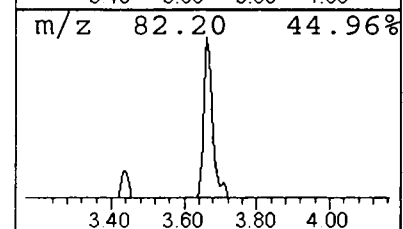
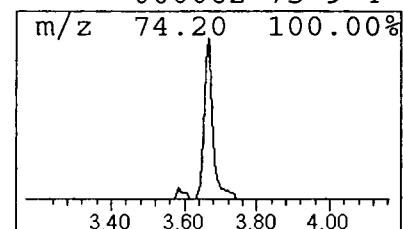
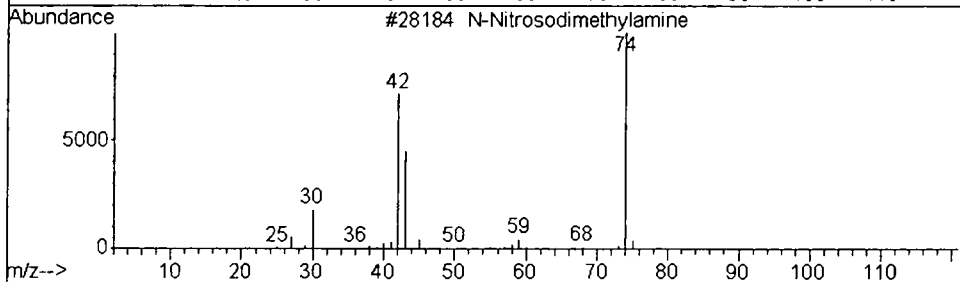
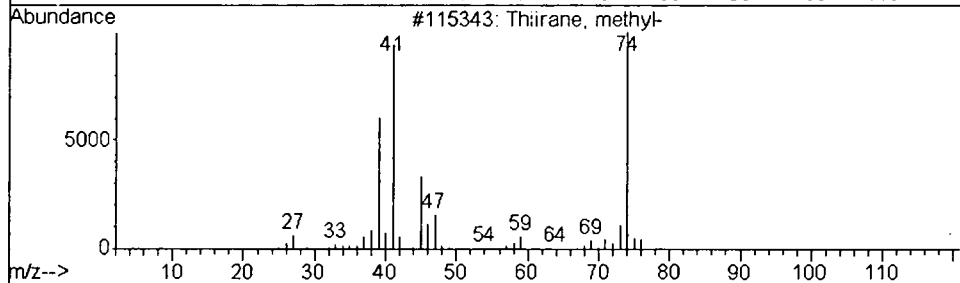
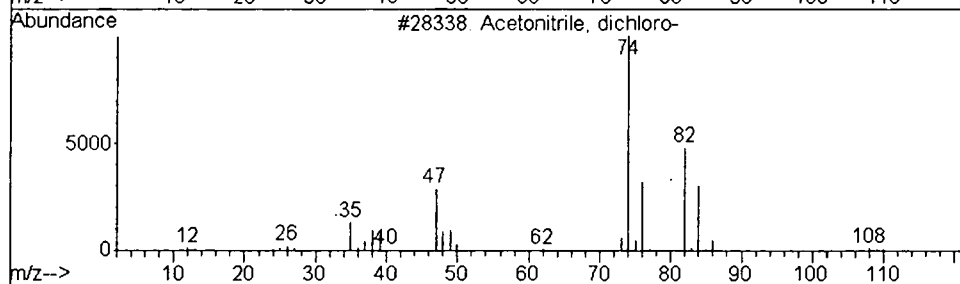
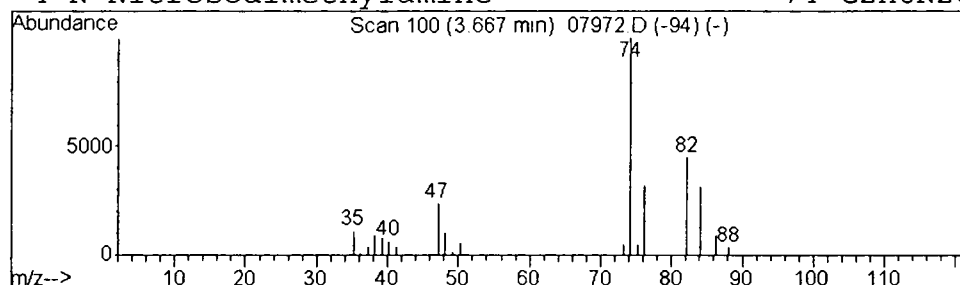
Vial: 12
 Operator: Nefliu
 Inst : Instrumen
 Multiplr: 1.00

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

 Peak Number 2 Acetonitrile, dichloro- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.67	0.30 ug/L	237143	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		Thiirane, methyl-	74	C3H6S	001072-43-1	5
3		N-Nitrosodimethylamine	74	C2H6N2O	000062-75-9	4
4		N-Nitrosodimethylamine	74	C2H6N2O	000062-75-9	4



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\020415\07972.D
 Acq On : 15 Apr 2002 7:47 pm
 Sample : sample
 Misc :
 MS Integration Params: LSCINT.e

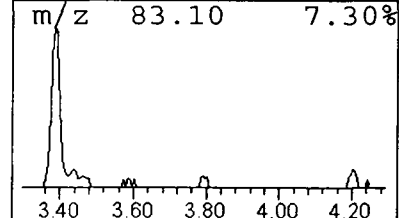
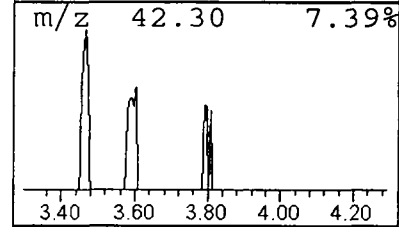
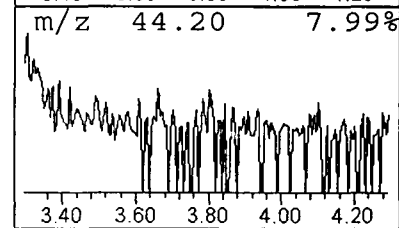
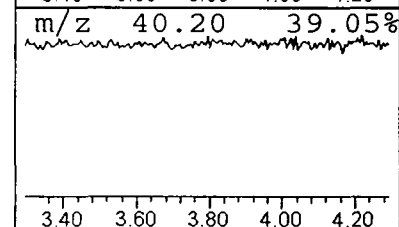
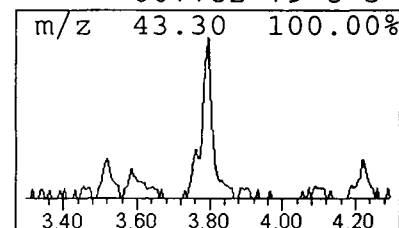
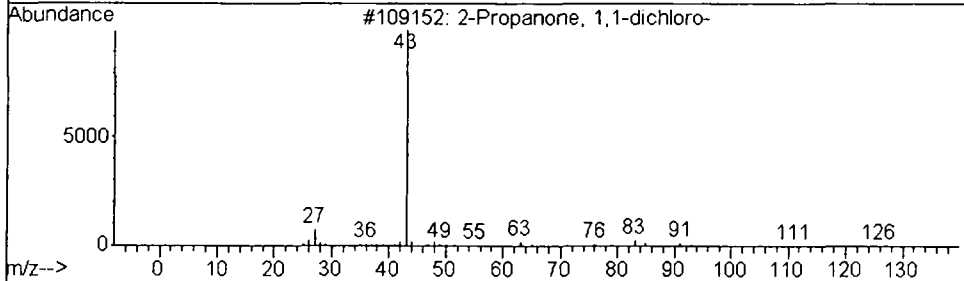
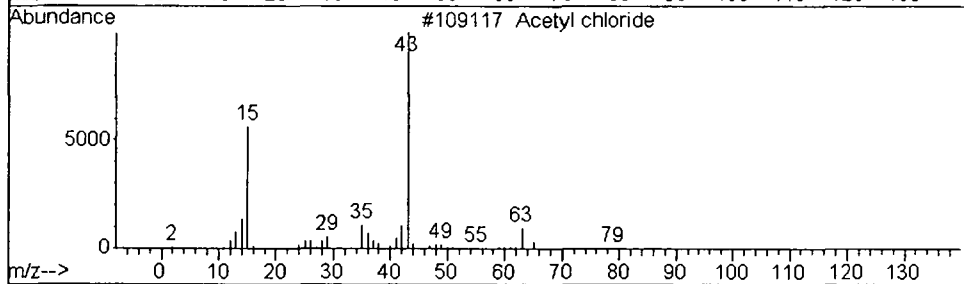
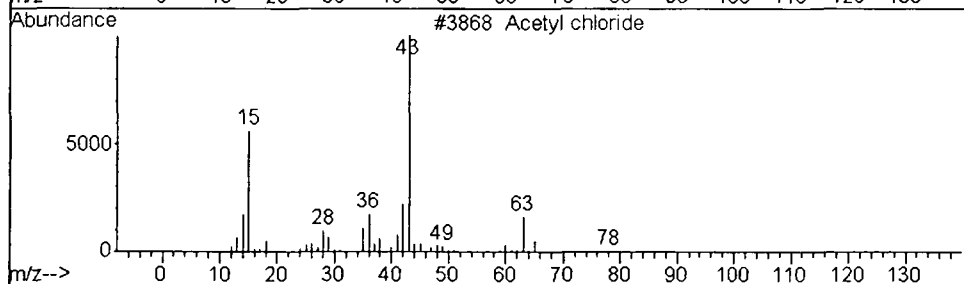
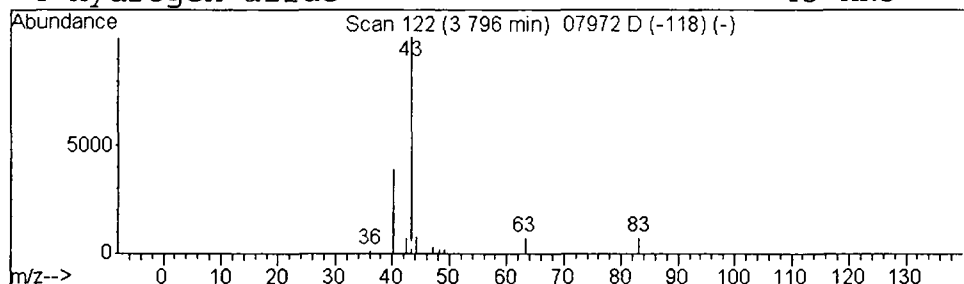
Vial: 12
 Operator: Nefliu
 Inst : Instrumen
 Multiplr: 1.00

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

 Peak Number 3 Acetyl chloride Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.80	0.20 ug/L	162209	1,4-Dichlorobenzene-d4	9.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Acetyl chloride	78	C2H3ClO	000075-36-5	4
2		Acetyl chloride	78	C2H3ClO	000075-36-5	4
3		2-Propanone, 1,1-dichloro-	126	C3H4Cl2O	000513-88-2	4
4		Hydrogen azide	43	HN3	007782-79-8	3



Library Search Compound Report

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Acq On : 15 Apr 2002 7:47 pm
Sample : sample
Misc :
MS Integration Params: LSCINT.e

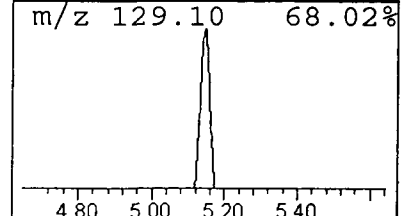
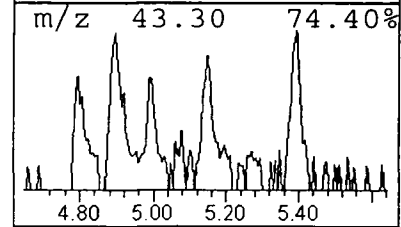
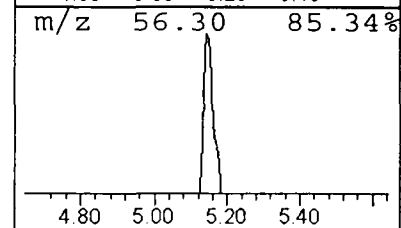
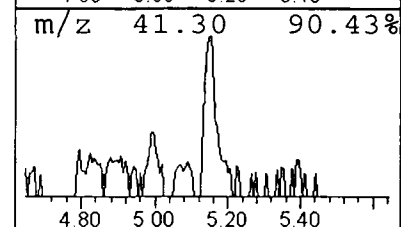
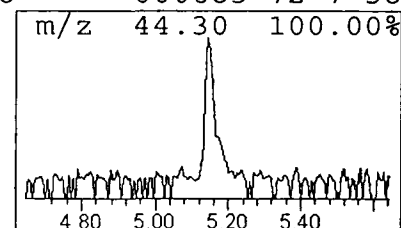
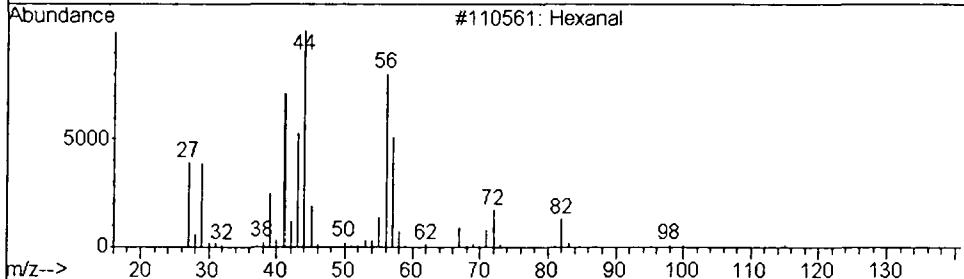
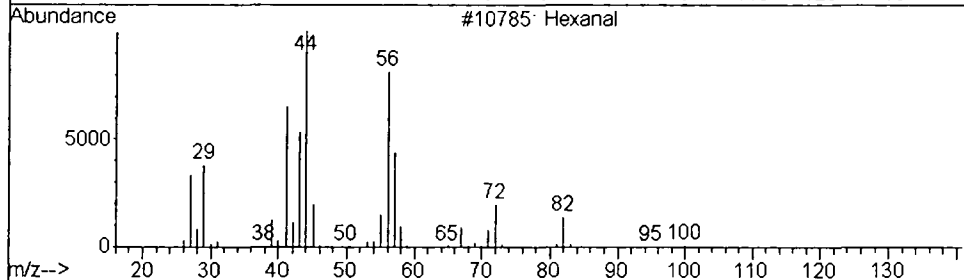
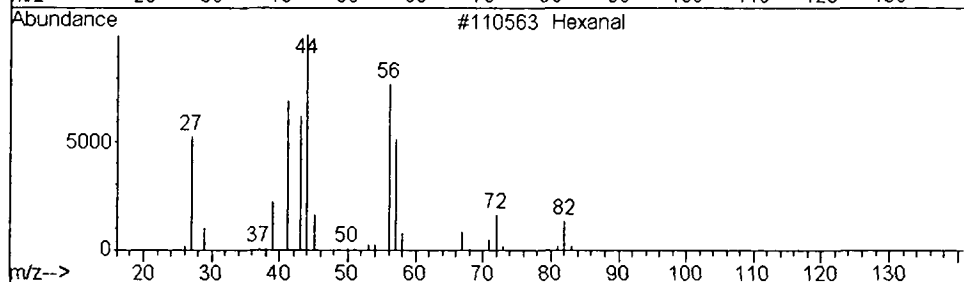
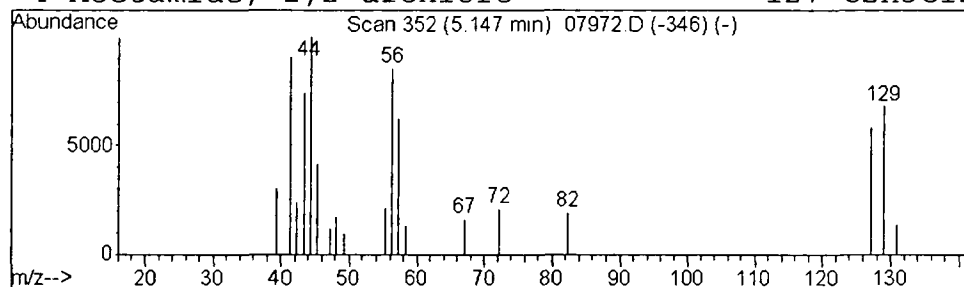
Vial: 12
Operator: Nefliu
Inst : Instrumen
Multiplr: 1.00

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

Peak Number 4 Hexanal Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.15	0.24 ug/L	191030	1,4-Dichlorobenzene-d4	9.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexanal	100	C6H12O	000066-25-1	43
2		Hexanal	100	C6H12O	000066-25-1	43
3		Hexanal	100	C6H12O	000066-25-1	43
4		Acetamide, 2,2-dichloro-	127	C2H3Cl2NO	000683-72-7	38



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\020415\07972.D
 Acq On : 15 Apr 2002 7:47 pm
 Sample : sample
 Misc :
 MS Integration Params: LSCINT.e

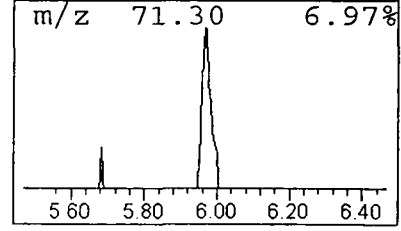
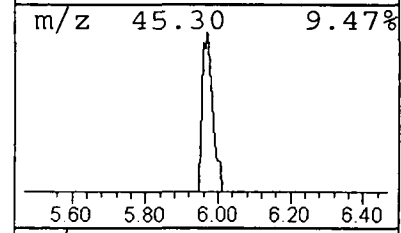
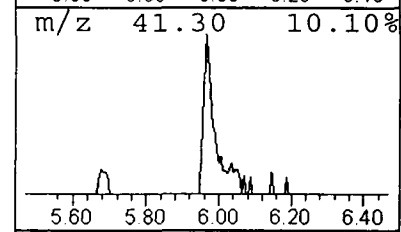
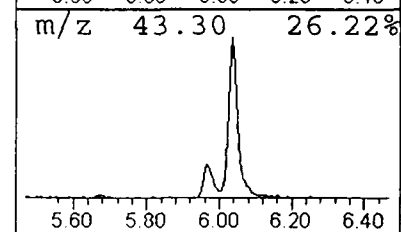
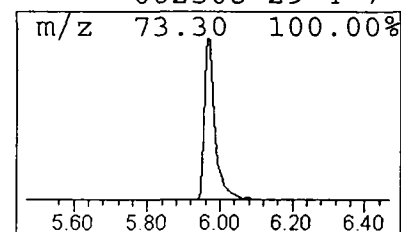
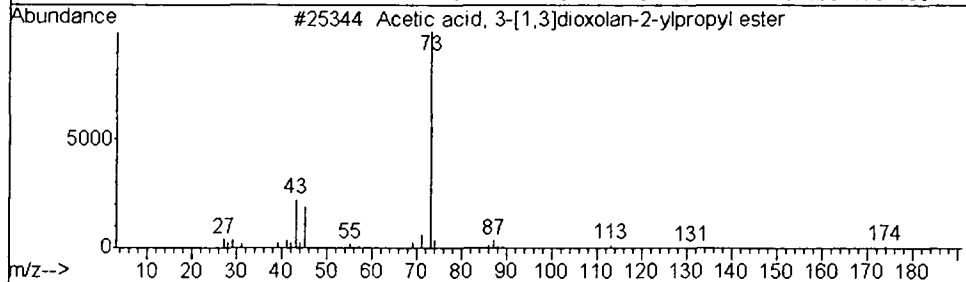
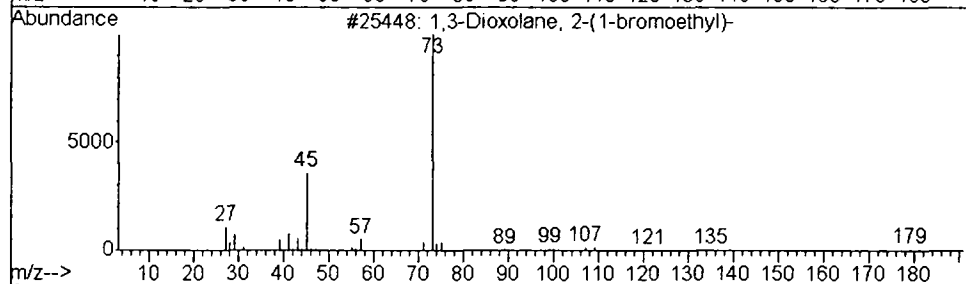
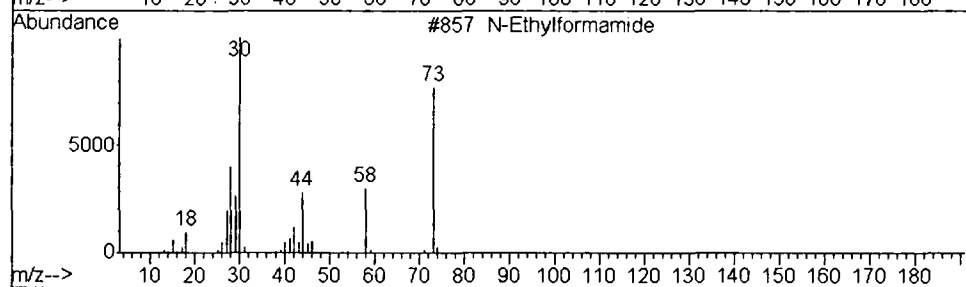
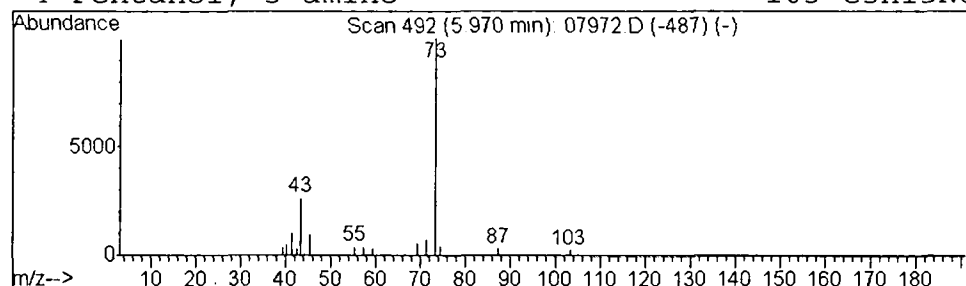
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 Operator: Nefliu
 Inst : Instrumen
 Multiplr: 1.00

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

 Peak Number 5 N-Ethylformamide Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.97	0.52 ug/L	417800	1,4-Dichlorobenzene-d4	9.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1		N-Ethylformamide	73	C3H7NO	000627-45-2	9
2		1,3-Dioxolane, 2-(1-bromoethyl)-	180	C5H9BrO2	005267-73-2	9
3		Acetic acid, 3-[1,3]dioxolan-2-y...	174	C8H14O4	1000186-02-3	9
4		Pentanol, 5-amino-	103	C5H13NO	002508-29-4	7



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\020415\07972.D
Acq On : 15 Apr 2002 7:47 pm
Sample : sample
Misc :
MS Integration Params: LSCINT.e

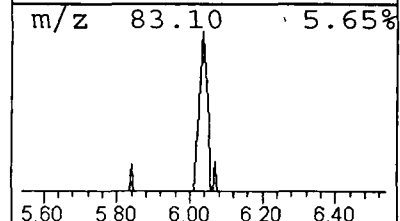
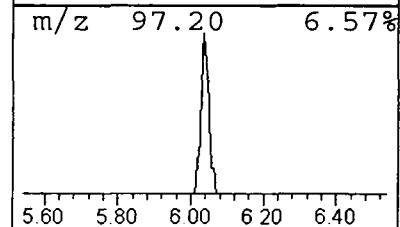
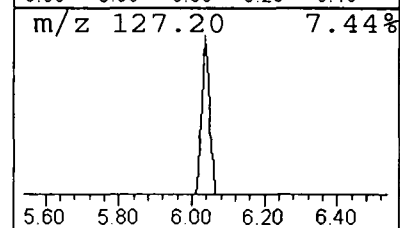
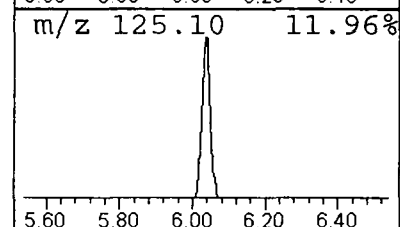
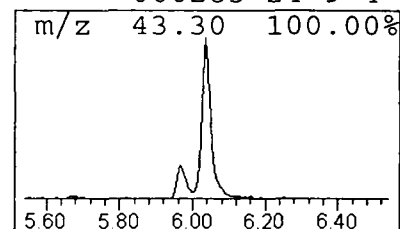
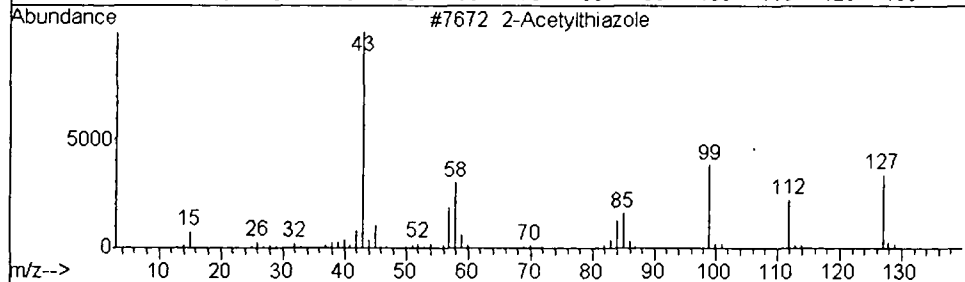
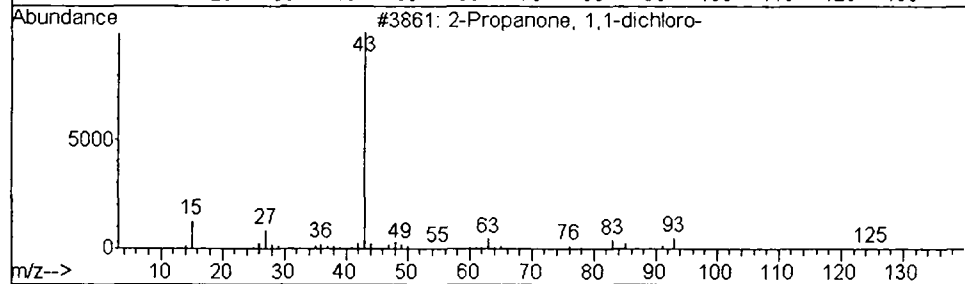
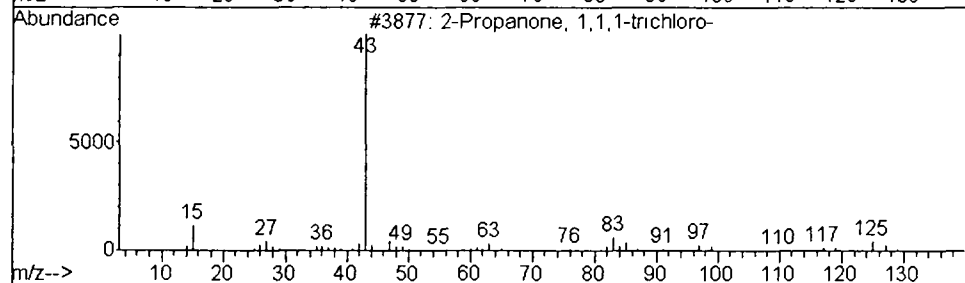
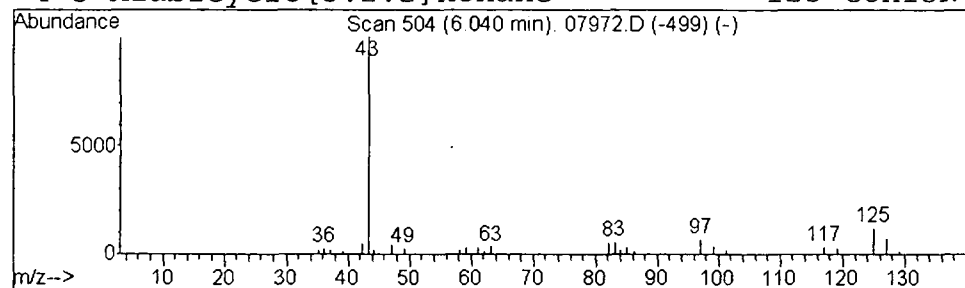
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Operator: Nefliu
Inst : Instrumen
Multiplr: 1.00

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.04	0.67 ug/L	533282	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	83
2			2-Propanone, 1,1-dichloro-	126	C3H4Cl2O	000513-88-2	32
3			2-Acetylthiazole	127	C5H5NOS	024295-03-2	4
4			3-Azabicyclo[3.2.2]nonane	125	C8H15N	000283-24-9	4



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\020415\07972.D
Acq On : 15 Apr 2002 7:47 pm
Sample : sample
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MS Integration Params: LSCINT.e

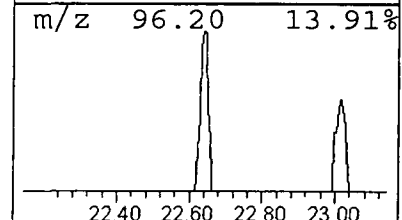
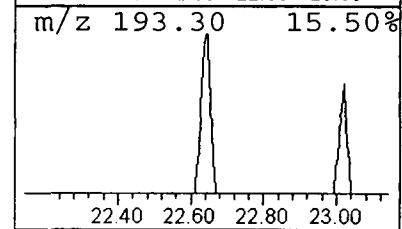
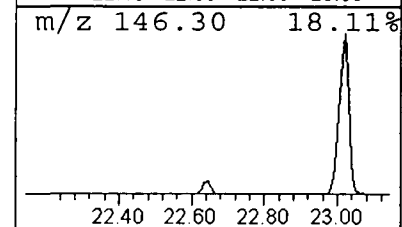
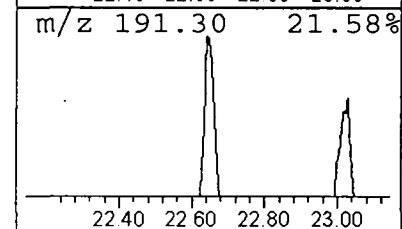
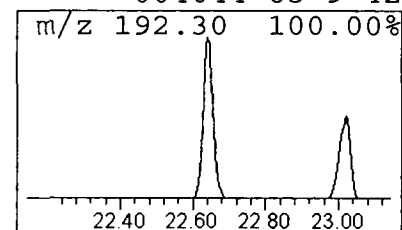
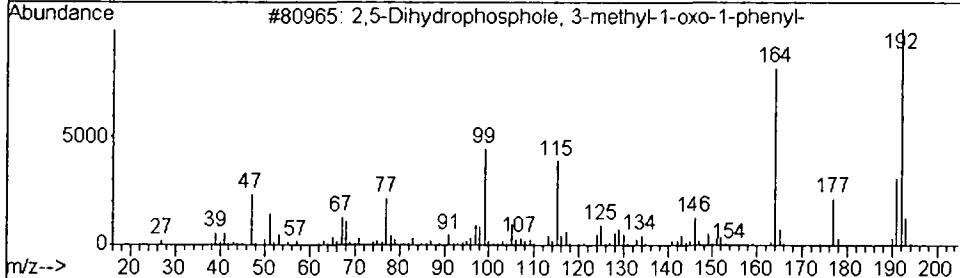
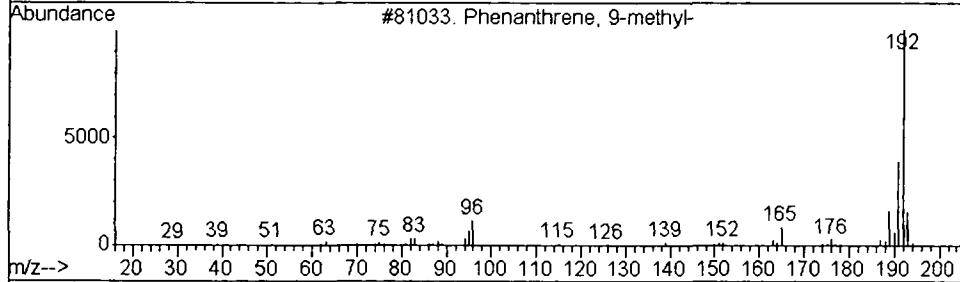
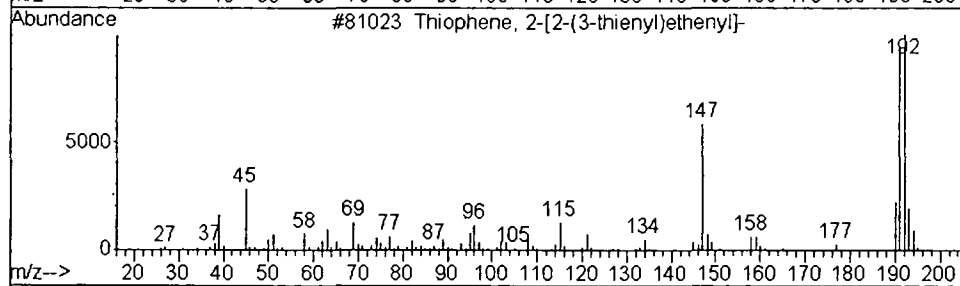
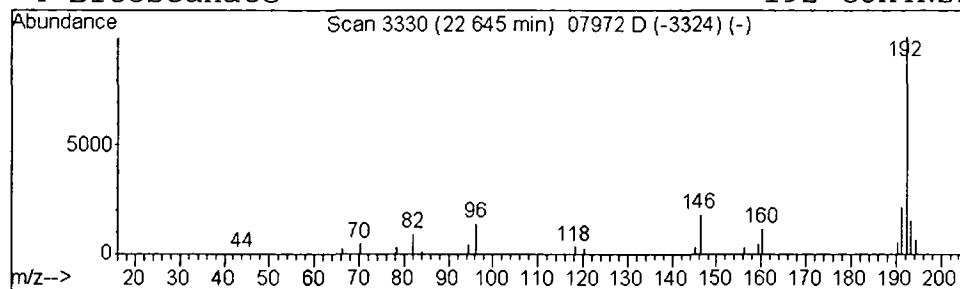
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Operator: Nefliu
Inst : Instrumen
Multiplr: 1.00

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

Peak Number 7 Thiophene, 2-[2-(3-thienyl)... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.64	0.21 ug/L	265015	Phenanthranene-d10	23.02

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Thiophene, 2-[2-(3-thienyl)ethen...	192	C10H8S2	116854-09-2	53
2		Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	50
3		2,5-Dihydrophosphole, 3-methyl-1...	192	C11H13OP	1000196-97-5	45
4		Bitoscanate	192	C8H4N2S2	004044-65-9	42



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\020415\07972.D
Acq On : 15 Apr 2002 7:47 pm
Sample : sample
Misc :
MS Integration Params: LSCINT.e

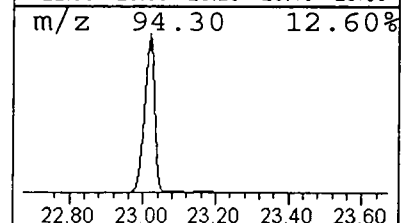
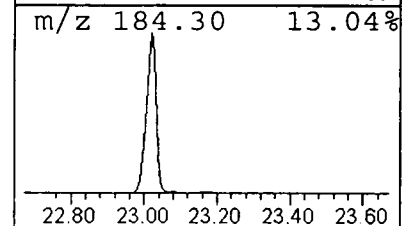
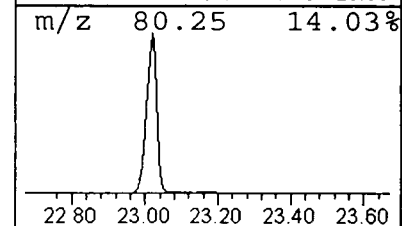
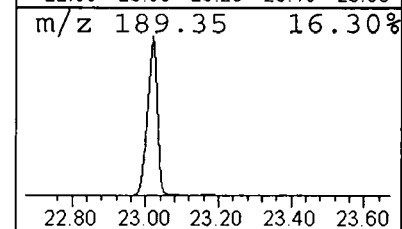
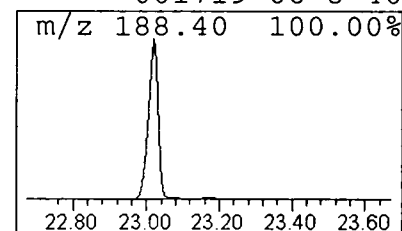
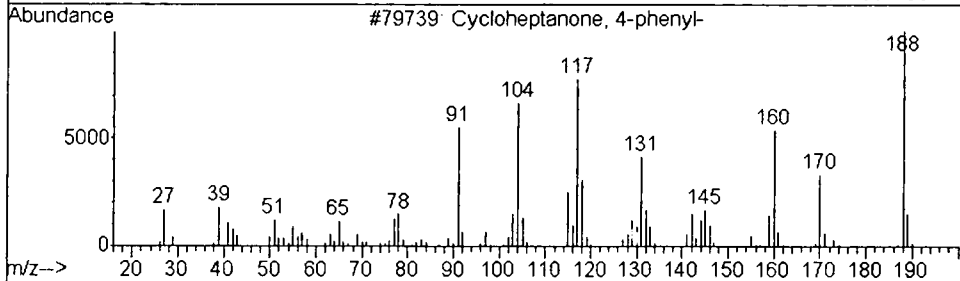
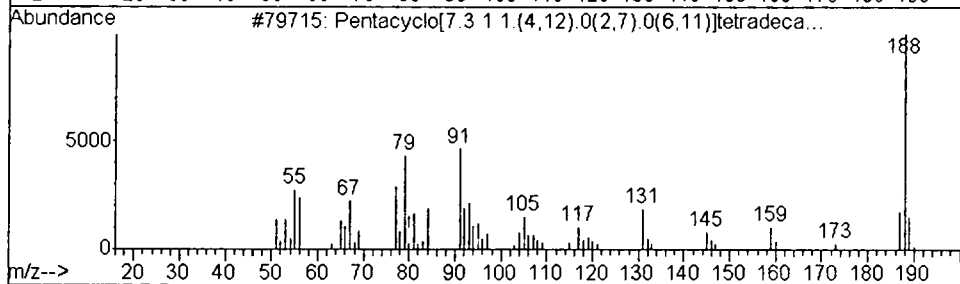
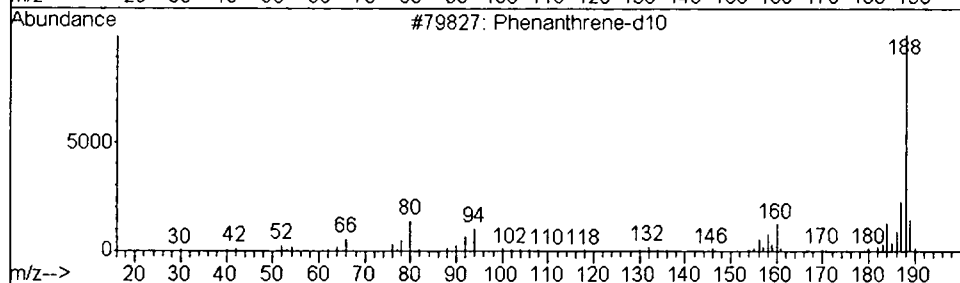
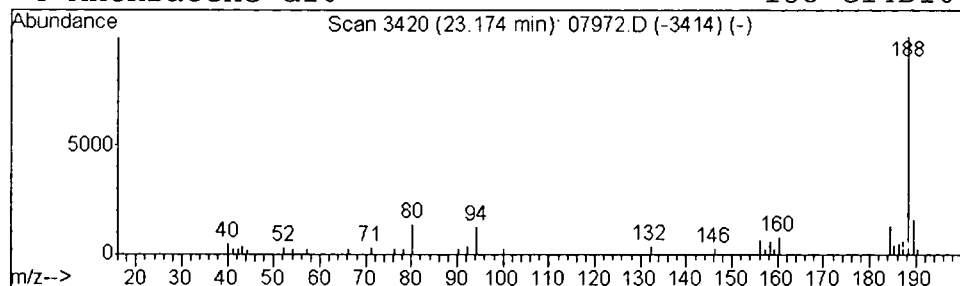
Vial: 12
Operator: Nefliu
Inst : Instrumen
Multiplr: 1.00

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

Peak Number 8 Phenanthrene-d10 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.18	0.39 ug/L	489010	Phenanthranene-d10	23.02

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene-d10	188	C14D10	001517-22-2	86
2			Pentacyclo[7.3.1.1.(4,12).0(2,7)...]	188	C14H20	1000215-61-8	59
3			Cycloheptanone, 4-phenyl-	188	C13H16O	067688-28-2	50
4			Anthracene-d10-	188	C14D10	001719-06-8	40



Tentatively Identified Compound (LSC) summary

Operator ID: Nefliu Date Acquired: 15 Apr 2002 7:47 pm
 Data File: C:\MSDCHEM\1\DATA\020415\07972.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	3.15	0.3	ug/L	247155	1	9.99	31900400	40.0
✓ Acetonitrile, dic...	3.67	0.3	ug/L	237143	1	9.99	31900400	40.0
✓ Acetyl chloride	3.80	0.2	ug/L	162209	1	9.99	31900400	40.0
✓ Hexanal	5.15	0.2	ug/L	191030	1	9.99	31900400	40.0
✓ N-Ethylformamide	5.97	0.5	ug/L	417800	1	9.99	31900400	40.0
✓ 2-Propanone, 1,1,...	6.04	0.7	ug/L	533282	1	9.99	31900400	40.0
✓ Thiophene, 2-[2-(...	22.64	0.2	ug/L	265015	4	23.02	50151000	40.0
✓ Phenanthrene-d10	23.18	0.4	ug/L	489010	4	23.02	50151000	40.0