User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 06/10/2002 Time: 11:25:49

Sample: AE12478
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 6/10/02 11:25 Ended: 6/10/02 11:25 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds				
2	Surr_2,4-DDD		84		10.0

Comments for Sample AE12478 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 06-10-2002 Time: 11:26:14

The GCMS scan, 35 to 550 amu, does not reveal the presence of unusual compoundsThe recoveries for 3 of the 43 compounds in the LCS Standard were low.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\052902\12478.D Vial: 20
Acq On : 30 May 2002 1:34 am Operator: McLean
Sample : gc/ms scan 5/28 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: Jun 03 11:39:47 2002 Quant Results File: 052202.RES

Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Mon Jun 03 11:32:09 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.90	152	4687732	40.00	ug/L	0.00
10) Napthalene-d8	13.39	136	18899218	40.00	ug/L	-0.02
17) Acenapthalene-d10	18.53	164	10431533	40.00	ug/L	-0.01
29) Phenanthranene-d10	22.91	188	16025364	40.00	ug/L	0.00
37) Chrysene-d12	30.76	240	9952040	40.00	ug/L	-0.05
43) Perylene-d12	34.66	264	5246157	40.00	ug/L	-0.03
System Monitoring Compounds						
27) TCMX	20.50	209	2113846	33.60	ug/L	-0.01
Spiked Amount 40.000			Recovery = 84.00%			
Target Compounds						Qvalue
2) n-nitros-dimethyl amine	0.00	74	0	N.D. d		
3) bis(2-Chloroethyl)ether	0.00	93	0	N.D.		
4) 1,3-Dichlorobenzene	0.00	146	0	N.D.		
5) 1,4-Dichlorobenzene	0.00	146	0	N.D.		
6) 1,2-Dichlorobenzene	0.00	146	0	N.D.		
7) 2,2'oxybis(1-Chloropropane	0.00	45	0	N.D.		
8) N-nitroso-di-propylamine	0.00	70	0	N.D.		
9) Hexachloroethane	0.00	117	0	N.D.		
11) Nitrobenzene	0.00	77	0	N.D.		
12) Isophorone	0.00	82	0	N.D.		
13) bis(2-Chloroethoxy) methan	13.39	93	-2014	Below Cal	#	1
14) 1,2,4-Trichlorobenzene	0.00	180	0	N.D.		
15) Napthalene	0.00	128	0	N.D.		
16) Hexachlorobutadiene	0.00	225	0	N.D.		
18) 2-Chloronaphthalene	0.00	162	0	N.D.		
19) Dimethylphthalate	0.00	163	0	N.D.		
20) 2,6-Dinitrotoluene	0.00	165	0	N.D.		
21) Acenapthylene	0.00	152	0	N.D.		
22) Acenapthalene	0.00	153	0	N.D.		
23) 2,4-Dinitrotoluene	0.00	165	0	N.D.		
24) Diethylphthalate	0.00	149	0	N.D.		
25) 4-Chlorophenyl-phenylether	0.00	204	0	N.D.		
26) Fluorene	0.00	166	0	N.D.		
28) Azobenzene	20.50	77	34164	N.D.		
30) Nnitrosodiphenylamine	20.50	169	41026	0.25	ug/L	# 61
31) 4-Bromophenyl-phenylether	0.00	248	0	N.D.		
32) Hexachlorobenzene	0.00	284	0	N.D.		
33) Phenanthrene	0.00	178	0	N.D.		
34) Anthracene	0.00	178	0	N.D.		
35) Di-n-butylphthalate	25.05	149	174087	0.36	ug/L	# 96

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

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Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Mon Jun 03 11:32:09 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
36) Fluoroanthene	0.00	202	0	N.D.	
38) Pyrene	0.00	202	0	N.D.	
39) Butylbenzylphthalate	0.00	149	0	N.D.	
40) Benzo(a)anthracene	30.76	228	28198	N.D.	
41) Bis(2-ethylhexyl)phthalate	0.00	149	0	N.D.	
42) Chrysene	0.00	228	0	N.D.	
44) Di-n-octylphthalate	0.00	149	0	N.D.	
45) Benzo(b)fluoranthene	0.00	252	0	N.D.	
46) Benzo(k)fluoranthene	0.00	252	0	N.D.	
47) Benzo(a)pyrene	0.00	252	0	N.D.	
48) Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.	
49) Dibenz(a,h)anthracene	0.00	278	0	N.D.	
50) Benzo(g,h,i)perylene	0.00	276	0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

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Acq On : 30 May 2002 1:34 am Operator: McLean
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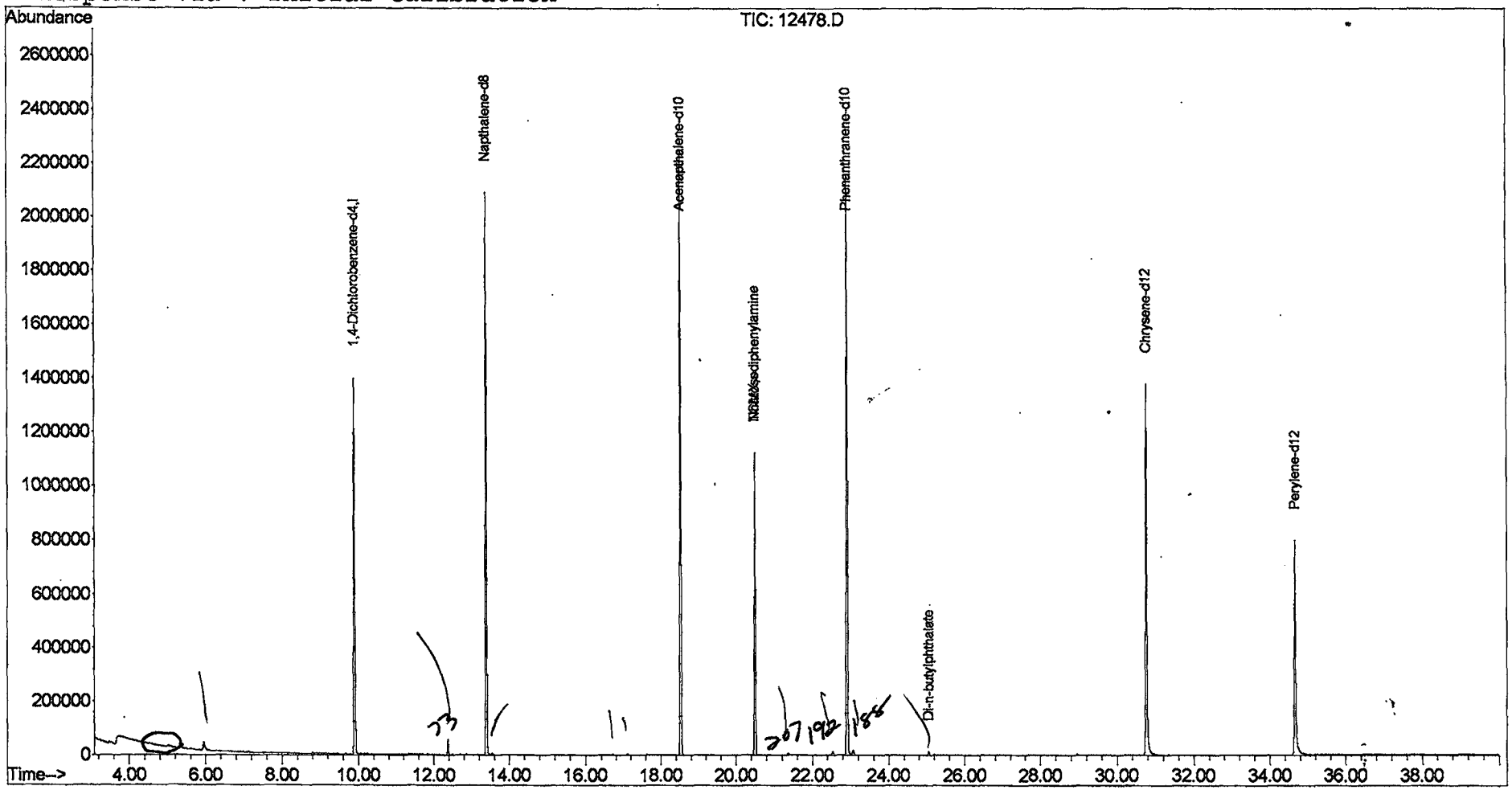
Quant Time: Jun 3 11:39 2002 Quant Results File: 052202.RES

Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Mon Jun 03 11:32:09 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\052902\12478.D Vial: 20
Acq On : 30 May 2002 1:34 am Operator: McLean
Sample : gc/ms scan 5/28 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan

Signal : TIC

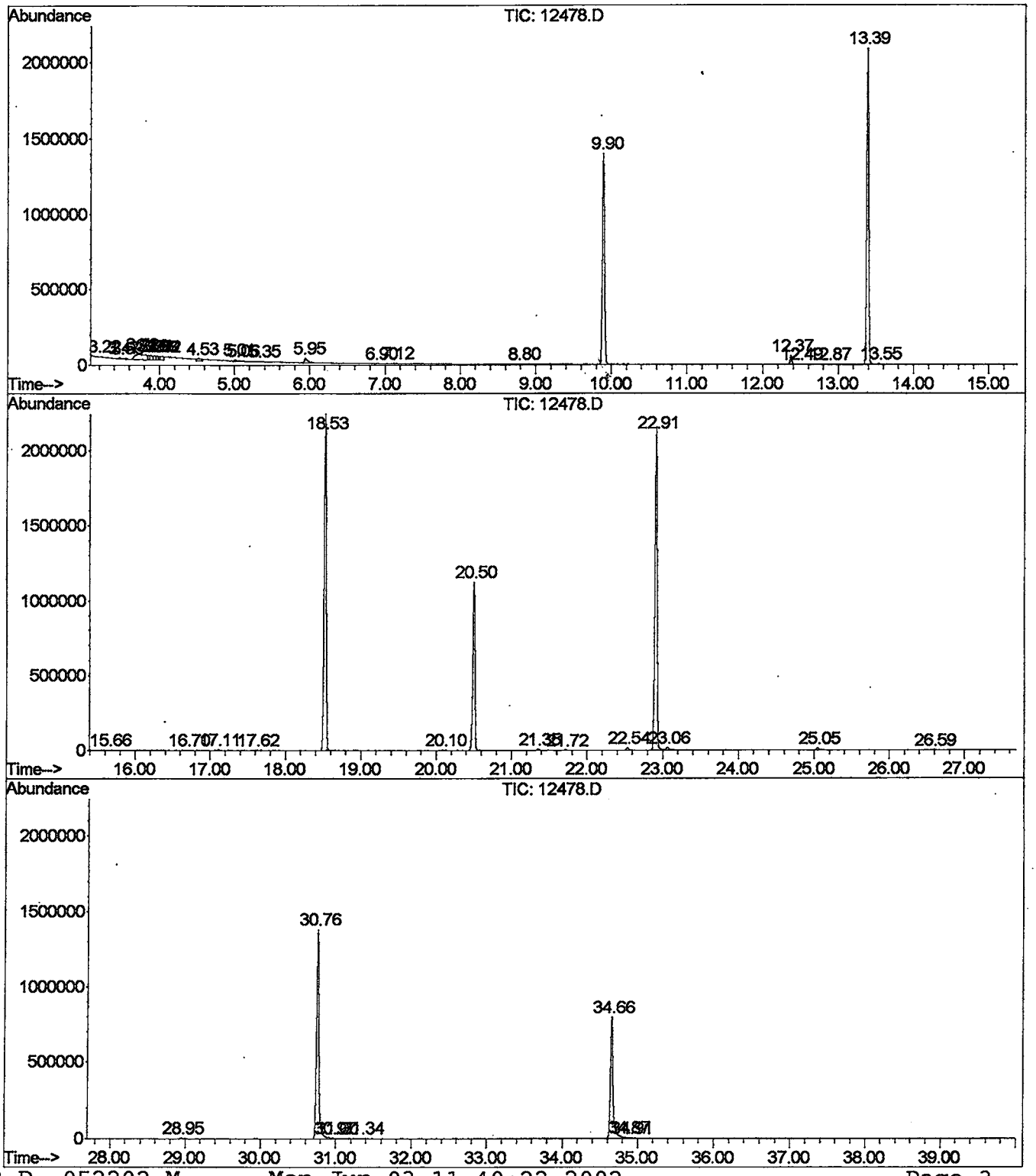
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.220	21	24	31	PV 5	3195	58708	0.13%	0.025%
2	3.473	62	67	72	PV 4	8370	150926	0.35%	0.064%
3	3.526	72	76	93	VV 8	5763	204731	0.47%	0.087%
4	3.720	93	109	130	PV 6	33116	3420974	7.85%	1.448%
5	3.855	130	132	135	VV 2	29738	462751	1.06%	0.196%
6	3.884	135	137	142	VV 6	27863	680175	1.56%	0.288%
7	3.925	142	144	149	VV 5	26755	600153	1.38%	0.254%
8	3.972	149	152	154	VV 4	24805	459312	1.05%	0.194%
9	3.996	154	156	158	VV 3	23713	297027	0.68%	0.126%
10	4.013	158	159	166	VV 6	23155	646147	1.48%	0.273%
11	4.525	240	246	255	VV 6	13716	592386	1.36%	0.251%
12	5.012	324	329	335	VV 5	9924	257760	0.59%	0.109%
13	5.065	335	338	347	VV 6	6271	197453	0.45%	0.084%
14	5.347	383	386	397	VV 8	3325	112011	0.26%	0.047%
15	5.947	481	488	511	VV	29769	890721	2.04%	0.377%
16	6.904	645	651	658	PV 5	2049	39687	0.09%	0.017%
17	7.122	682	688	699	VV 5	3702	97065	0.22%	0.041%
18	8.796	964	973	980	PV 8	2570	63875	0.15%	0.027%
19	9.895	1151	1160	1181	PV	1382641	28279127	64.90%	11.970%
20	12.374	1574	1582	1589	PV	56134	846722	1.94%	0.358%
21	12.492	1595	1602	1606	VV 3	2028	40534	0.09%	0.017%
22	12.868	1665	1666	1678	VV 5	1791	28895	0.07%	0.012%
23	13.391	1744	1755	1768	PV	2090485	38476185	88.30%	16.286%
24	13.544	1773	1781	1793	VV	5593	101132	0.23%	0.043%
25	15.659	2135	2141	2149	VV 6	2042	38145	0.09%	0.016%
26	16.699	2313	2318	2322	VV 3	2816	52042	0.12%	0.022%
27	17.110	2383	2388	2396	VV 4	5170	88307	0.20%	0.037%
28	17.621	2470	2475	2481	VV 5	2925	45331	0.10%	0.019%
29	18.526	2617	2629	2644	PV	2211559	42776980	98.17%	18.106%
30	20.107	2892	2898	2904	VV 4	2417	45741	0.10%	0.019%
31	20.500	2954	2965	2975	VV	1109024	21056524	48.32%	8.913%
32	21.352	3100	3110	3120	VV 4	8600	149603	0.34%	0.063%
33	21.717	3167	3172	3179	VV 6	1947	34982	0.08%	0.015%
34	22.533	3305	3311	3319	VV 2	15311	284747	0.65%	0.121%
35	22.909	3354	3375	3394	PV 2	2121016	43576557	100.00%	18.445%
36	23.062	3394	3401	3410	VV	17300	353573	0.81%	0.150%
37	25.048	3731	3739	3749	VV	14565	289613	0.66%	0.123%

38	26.593	3996	4002	4011	PV	4	1547	27773	0.06%	0.012%
39	28.955	4395	4404	4408	BV	6	4303	67144	0.15%	0.028%
40	30.759	4699	4711	4746	PV	2	1381924	30896982	70.90%	13.078%
41	30.971	4746	4747	4751	VV	3	4047	61036	0.14%	0.026%
42	31.006	4751	4753	4766	VV	6	2952	111726	0.26%	0.047%
43	31.341	4803	4810	4821	VV	5	3215	85817	0.20%	0.036%
44	34.655	5362	5374	5409	PV	2	789042	19140017	43.92%	8.101%
45	34.866	5409	5410	5415	VV	2	3206	55574	0.13%	0.024%
46	34.907	5415	5417	5420	VV	3	1467	12757	0.03%	0.005%

Sum of corrected areas: 236255433

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\052902\12478.D
Operator : McLean
Acquired : 30 May 2002 1:34 am using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: gc/ms scan 5/28
Misc Info :
Vial Number: 20
Quant File :052202.RES (Chemstation Integrator)



Library Search Compound Report

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Acq On : 30 May 2002 1:34 am Operator: McLean
Sample : gc/ms scan 5/28 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

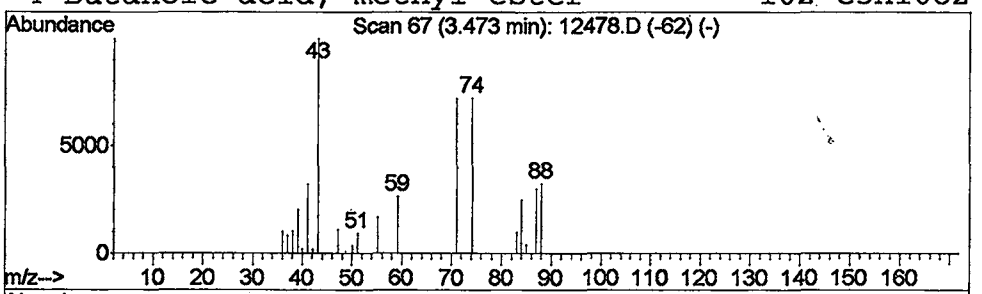
Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

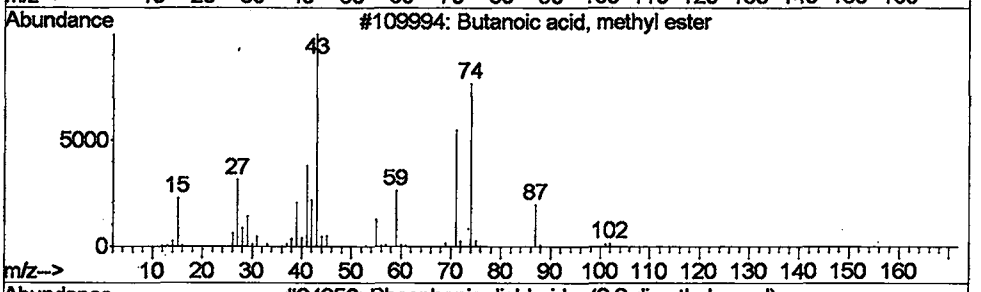
****

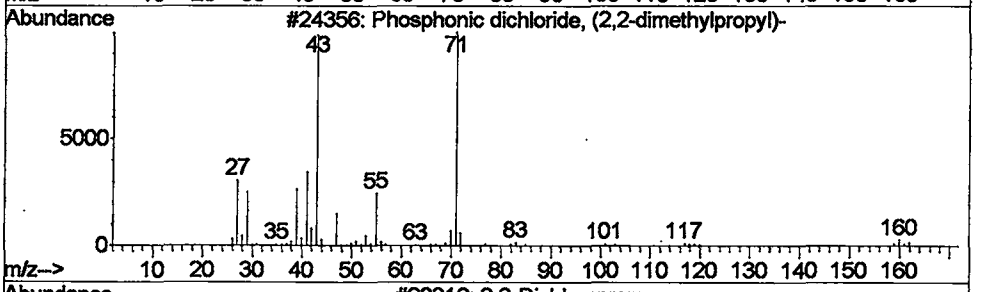
Peak Number 1 Butanoic acid, methyl ester Concentration Rank 16

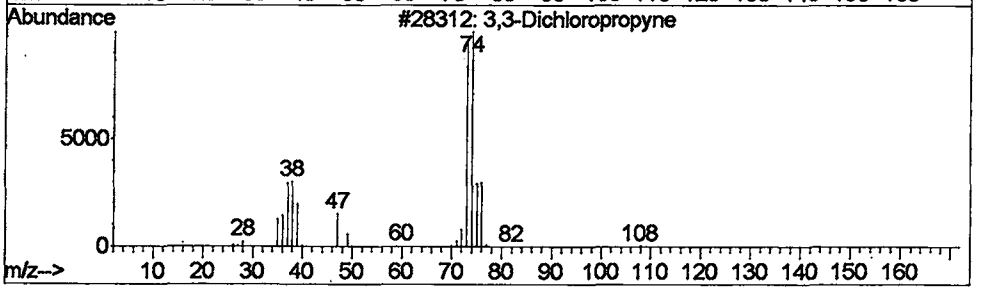
R.T.	EstConc	Area	Relative to ISTD	R.T.
3.47	0.21 ug/L	150926	1,4-Dichlorobenzene-d4	9.90

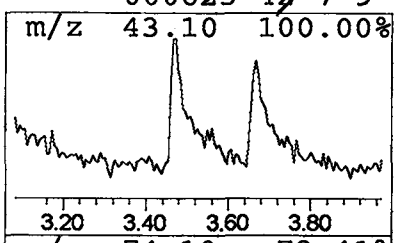
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, methyl ester	102	C5H10O2	000623-42-7	9
2	Phosphonic dichloride, (2,2-dime...	188	C5H11Cl2OP	054552-71-5	9
3	3,3-Dichloropropyne	108	C3H2Cl2	1000222-23-9	9
4	Butanoic acid, methyl ester	102	C5H10O2	000623-42-7	9

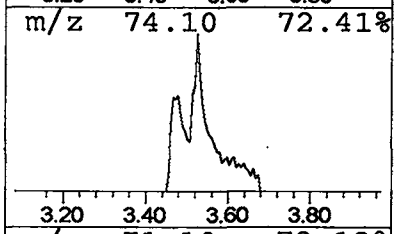


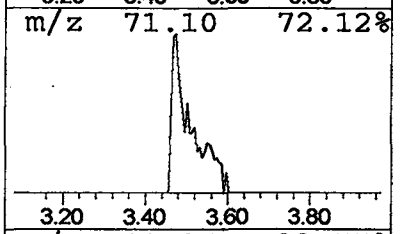


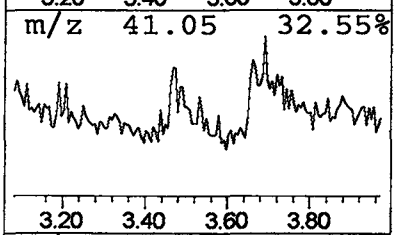


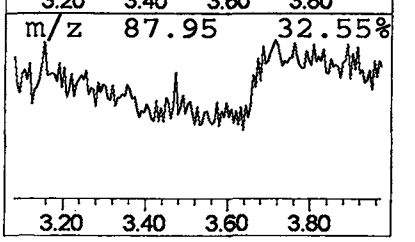












Library Search Compound Report

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Acq On : 30 May 2002 1:34 am Operator: McLean
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Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

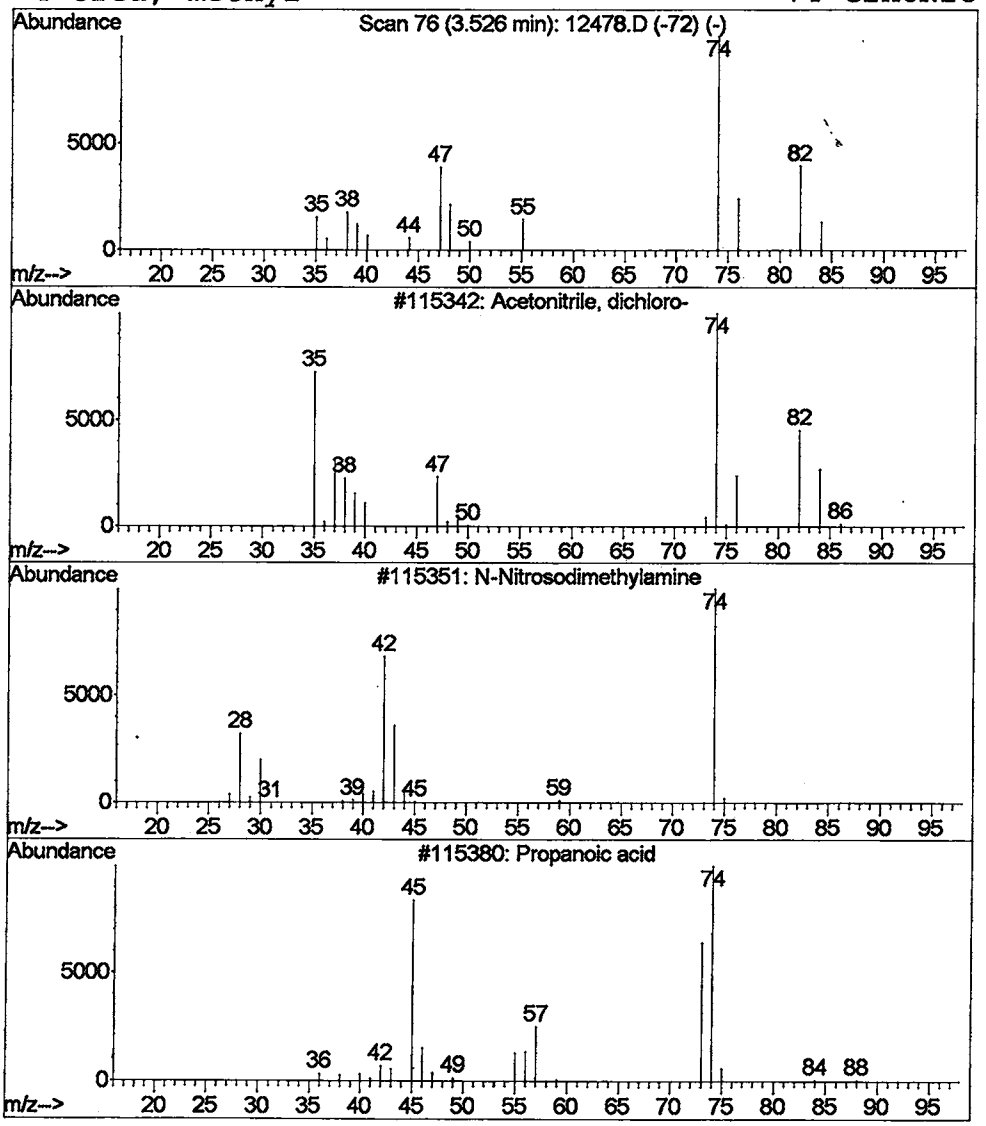
Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

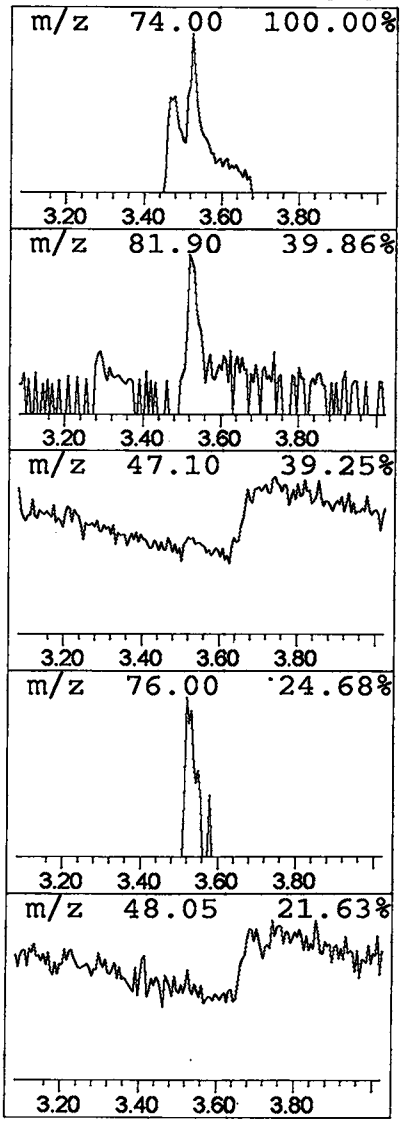
****

Peak Number 2 Acetonitrile, dichloro- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.53	0.29 ug/L	204731	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	64
2	N-Nitrosodimethylamine	74	C2H6N2O	000062-75-9	4
3	Propanoic acid	74	C3H6O2	000079-09-4	3
4	Urea, methyl-	74	C2H6N2O	000598-50-5	3





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MS Integration Params: LSCINT.e

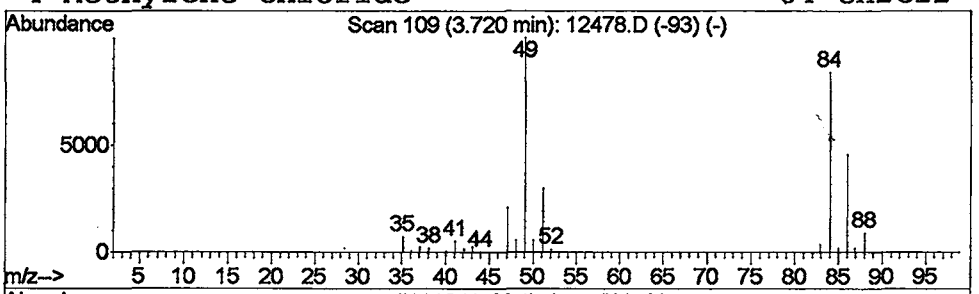
Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

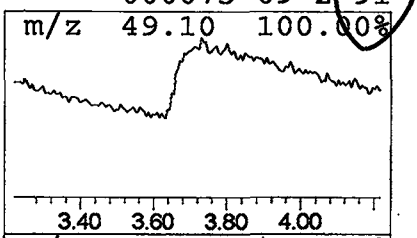
****

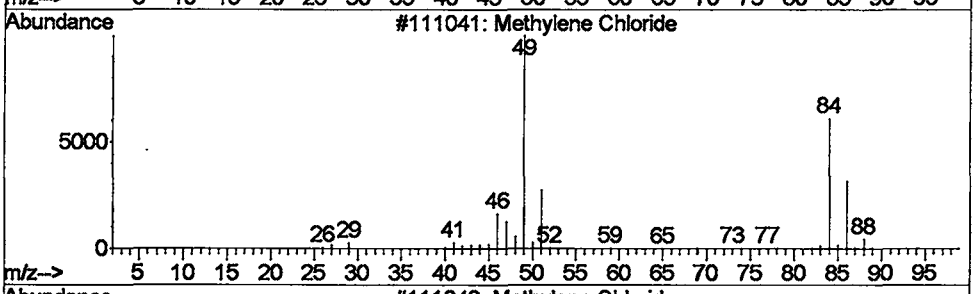
Peak Number 3 Methylene Chloride Concentration Rank 1

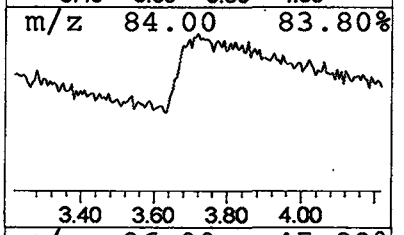
R.T.	EstConc	Area	Relative to ISTD	R.T.
3.72	4.84 ug/L	3420970	1,4-Dichlorobenzene-d4	9.90

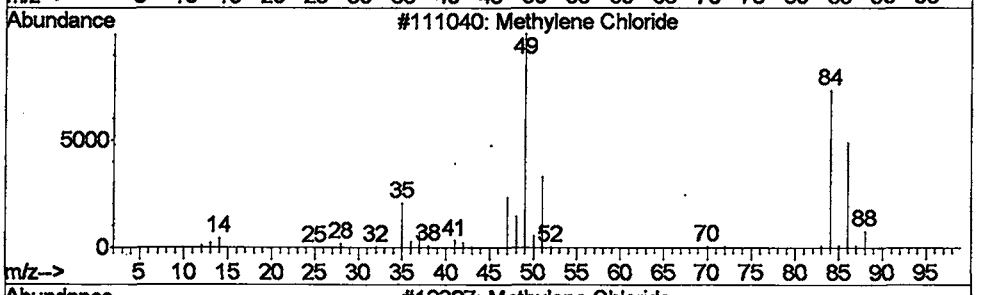
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methylene Chloride	84	CH2Cl2	000075-09-2	91
2	Methylene Chloride	84	CH2Cl2	000075-09-2	91
3	Methylene Chloride	84	CH2Cl2	000075-09-2	91
4	Methylene Chloride	84	CH2Cl2	000075-09-2	91

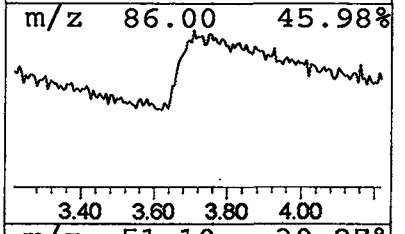


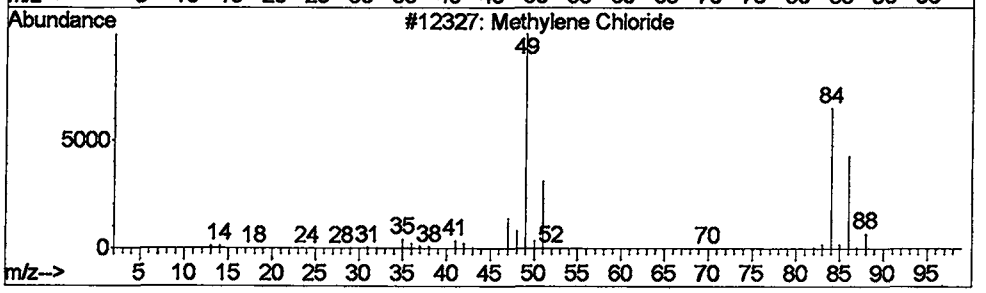


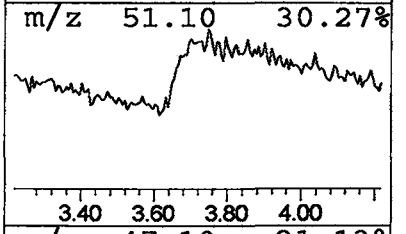


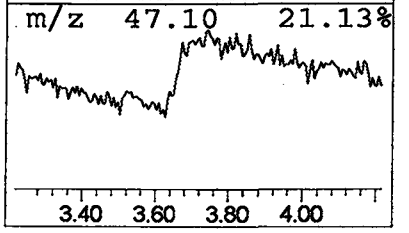












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Acq On : 30 May 2002 1:34 am Operator: McLean
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Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

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Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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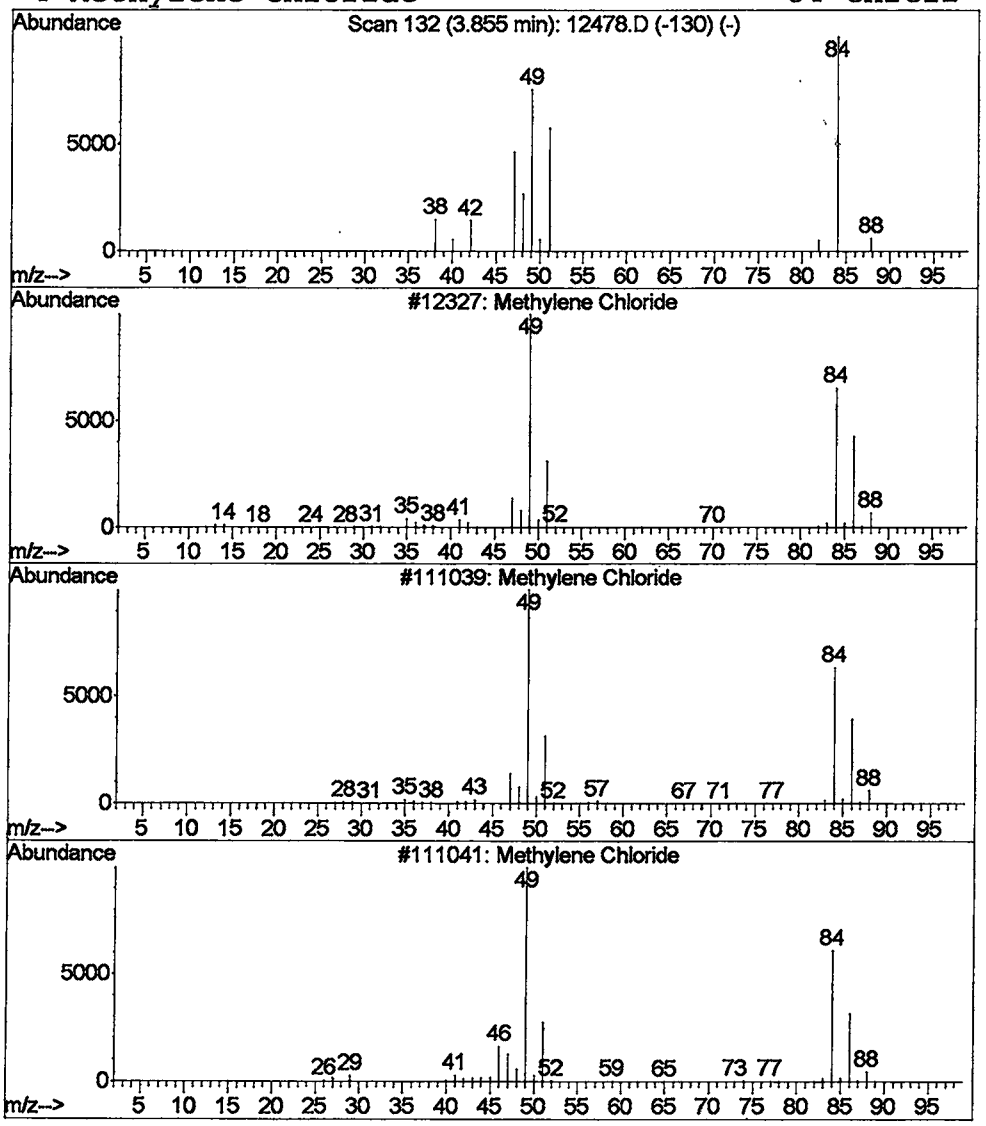
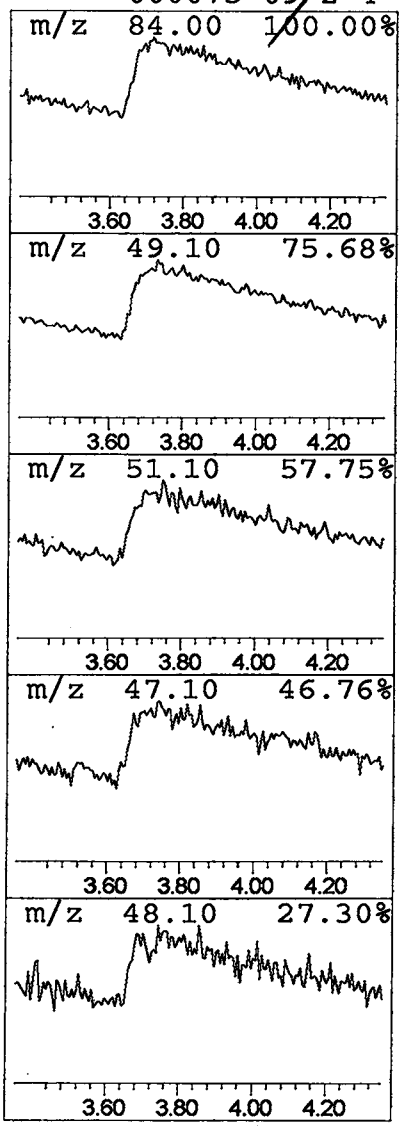
Peak Number 4 Methylene Chloride Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.86	0.65 ug/L	462751	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methylene Chloride	84	CH2Cl2	000075-09-2	7
2	Methylene Chloride	84	CH2Cl2	000075-09-2	7
3	Methylene Chloride	84	CH2Cl2	000075-09-2	5
4	Methylene Chloride	84	CH2Cl2	000075-09-2	4





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Sample : gc/ms scan 5/28
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MS Integration Params: LSCINT.e

Vial: 20
Operator: McLean
Inst : Instrumen
Multiplr: 1.00

Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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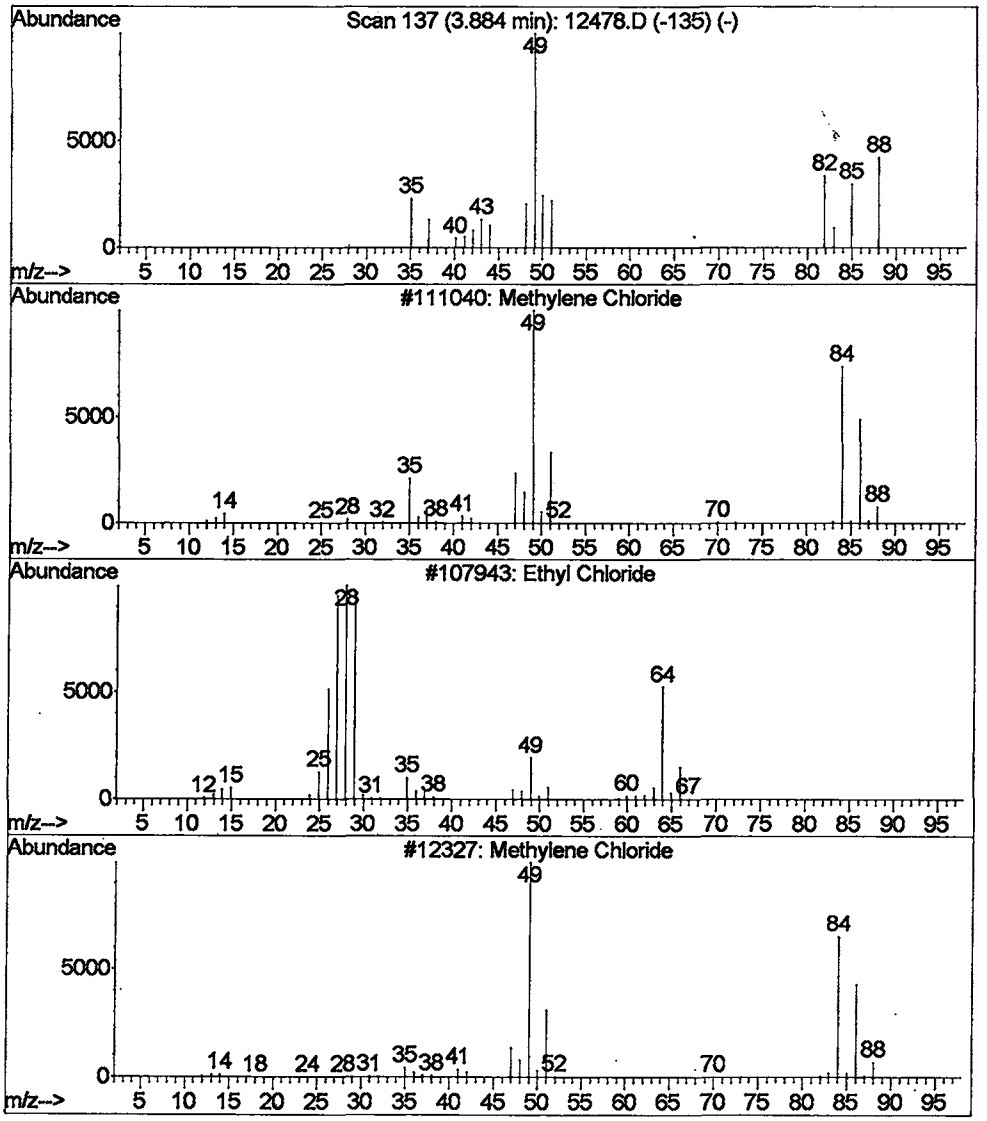
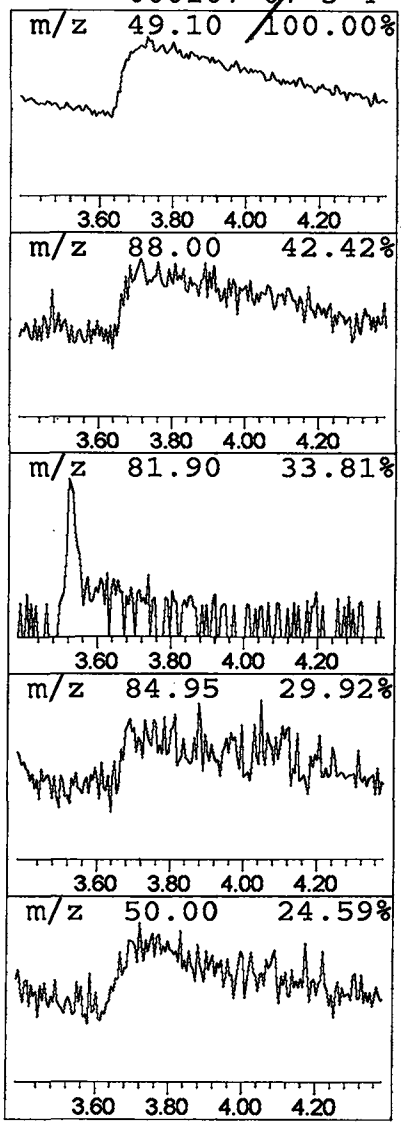
Peak Number 5 Methylene Chloride Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.88	0.96 ug/L	680175	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methylene Chloride	84	CH2Cl2	000075-09-2	39
2	Ethyl Chloride	64	C2H5Cl	000075-00-3	9
3	Methylene Chloride	84	CH2Cl2	000075-09-2	4
4	2-Chloroethanol	80	C2H5ClO	000107-07-3	4





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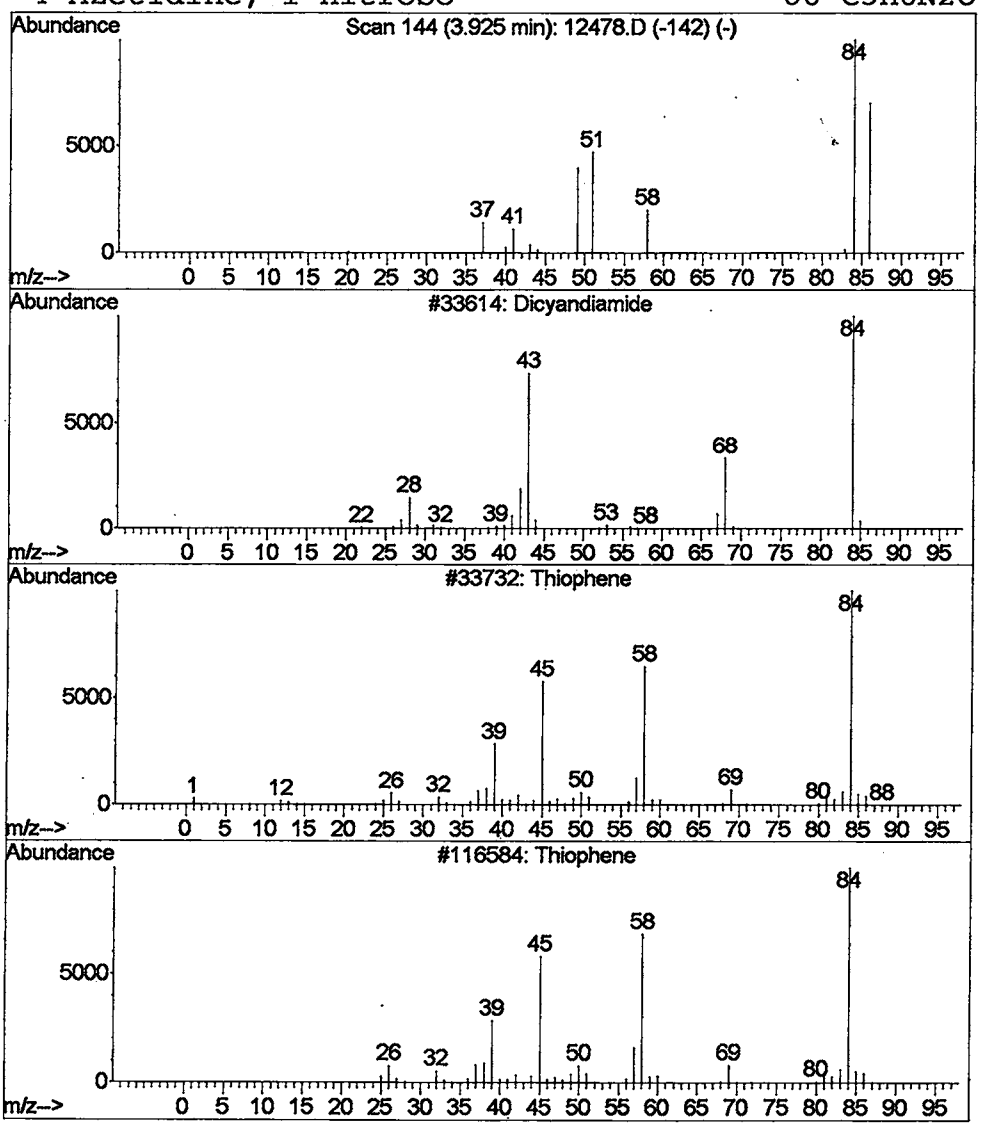
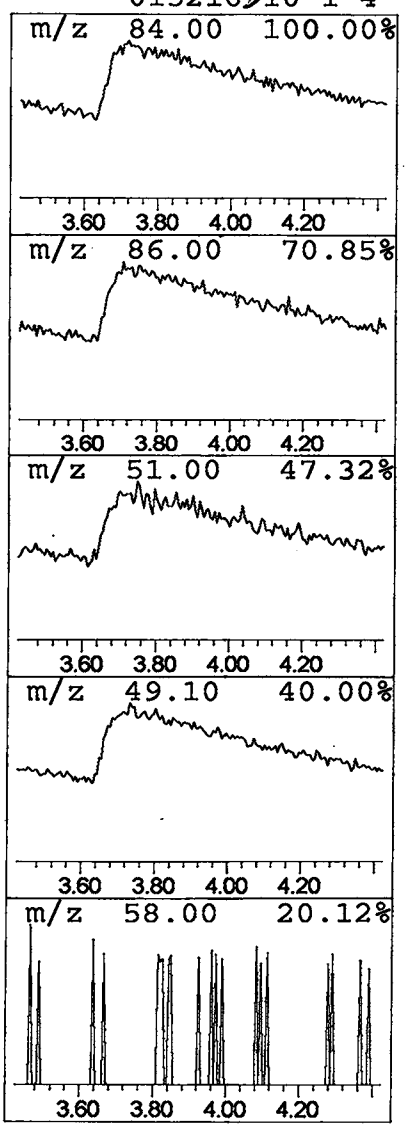
Peak Number 6 Dicyandiamide Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.93	0.85 ug/L	600153	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dicyandiamide	84	C2H4N4	000461-58-5	4
2	Thiophene	84	C4H4S	000110-02-1	4
3	Thiophene	84	C4H4S	000110-02-1	4
4	Azetidine, 1-nitroso-	86	C3H6N2O	015216-10-1	4





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Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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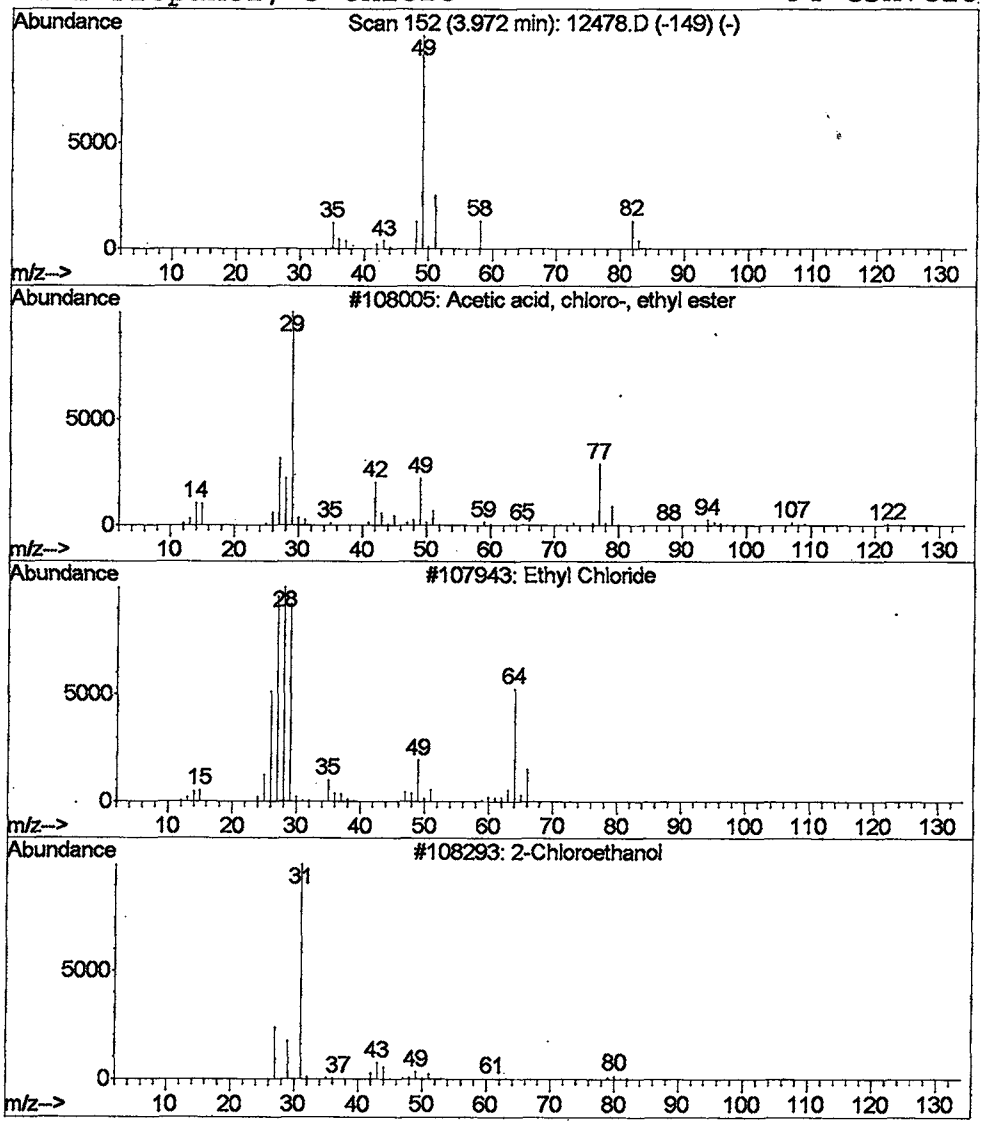
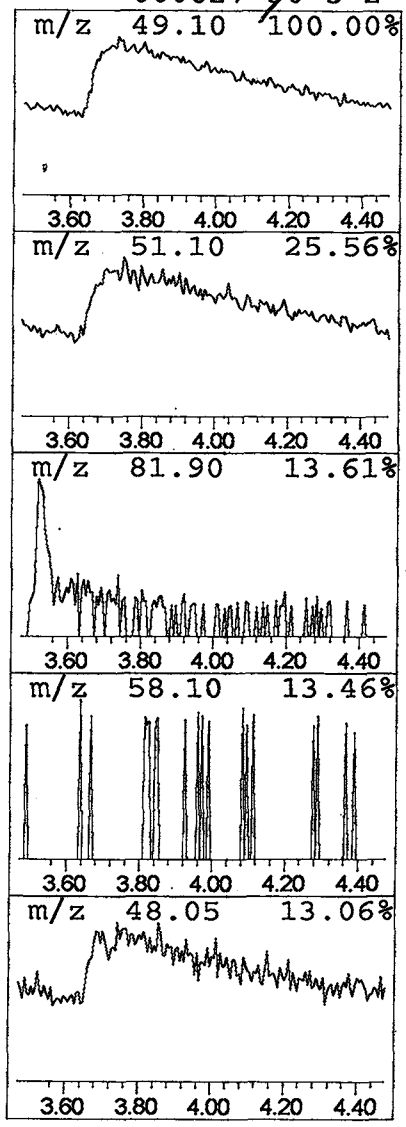
Peak Number 7 Acetic acid, chloro-, ethyl... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.98	0.65 ug/L	459312	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, chloro-, ethyl ester	122	C4H7ClO2	000105-39-5	4
2	Ethyl Chloride	64	C2H5Cl	000075-00-3	4
3	2-Chloroethanol	80	C2H5ClO	000107-07-3	2
4	1-Propanol, 3-chloro-	94	C3H7ClO	000627-30-5	2





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Library : C:\DATABASE\NIST98.L

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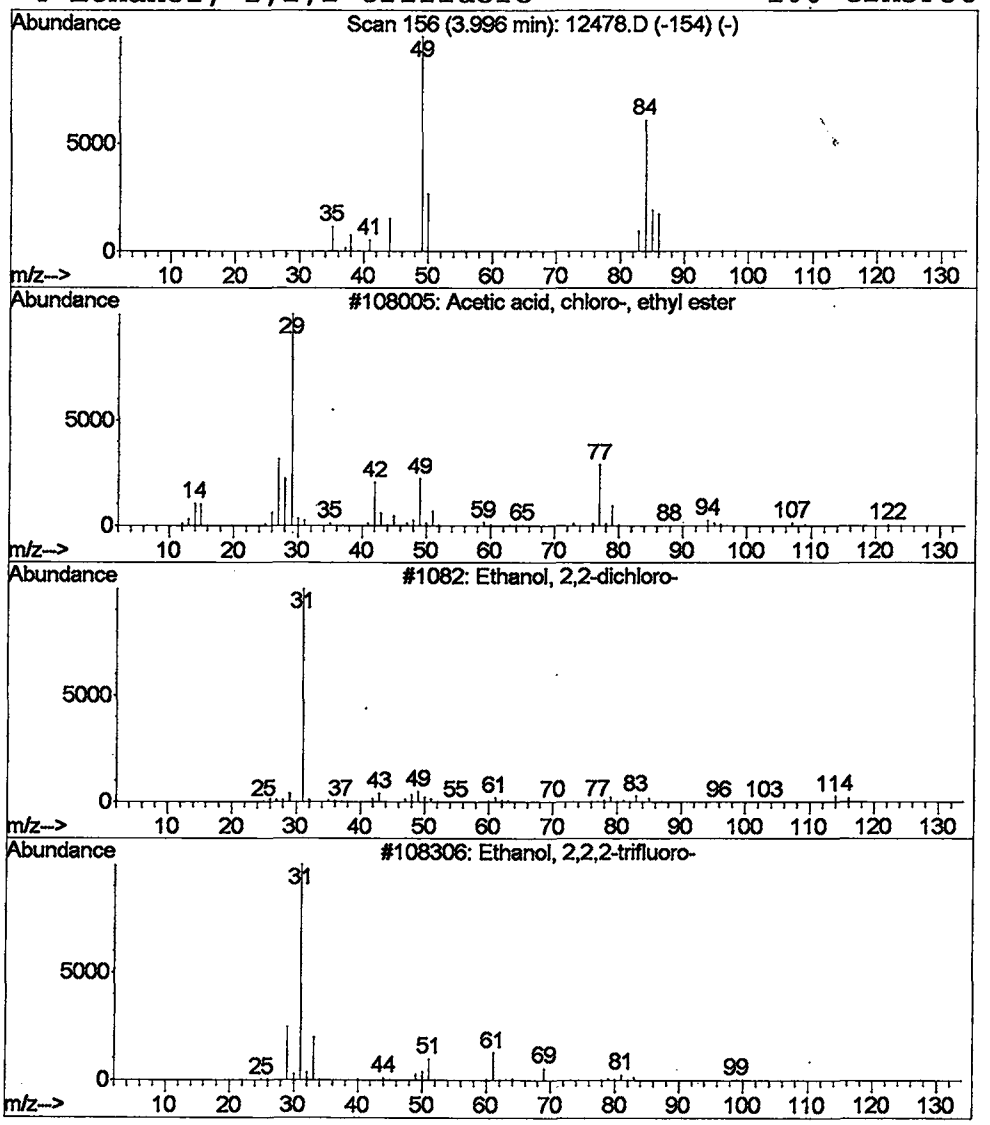
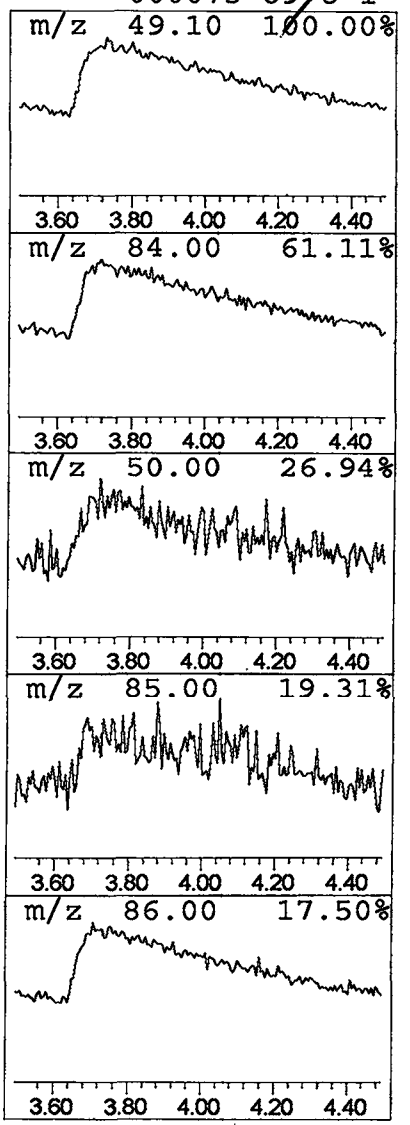
Peak Number 8 Acetic acid, chloro-, ethyl... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.99	0.42 ug/L	297027	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, chloro-, ethyl ester	122	C4H7ClO2	000105-39-5	2
2	Ethanol, 2,2-dichloro-	114	C2H4Cl2O	000598-38-9	1
3	Ethanol, 2,2,2-trifluoro-	100	C2H3F3O	000075-89-8	1
4	Ethanol, 2,2,2-trifluoro-	100	C2H3F3O	000075-89-8	1





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Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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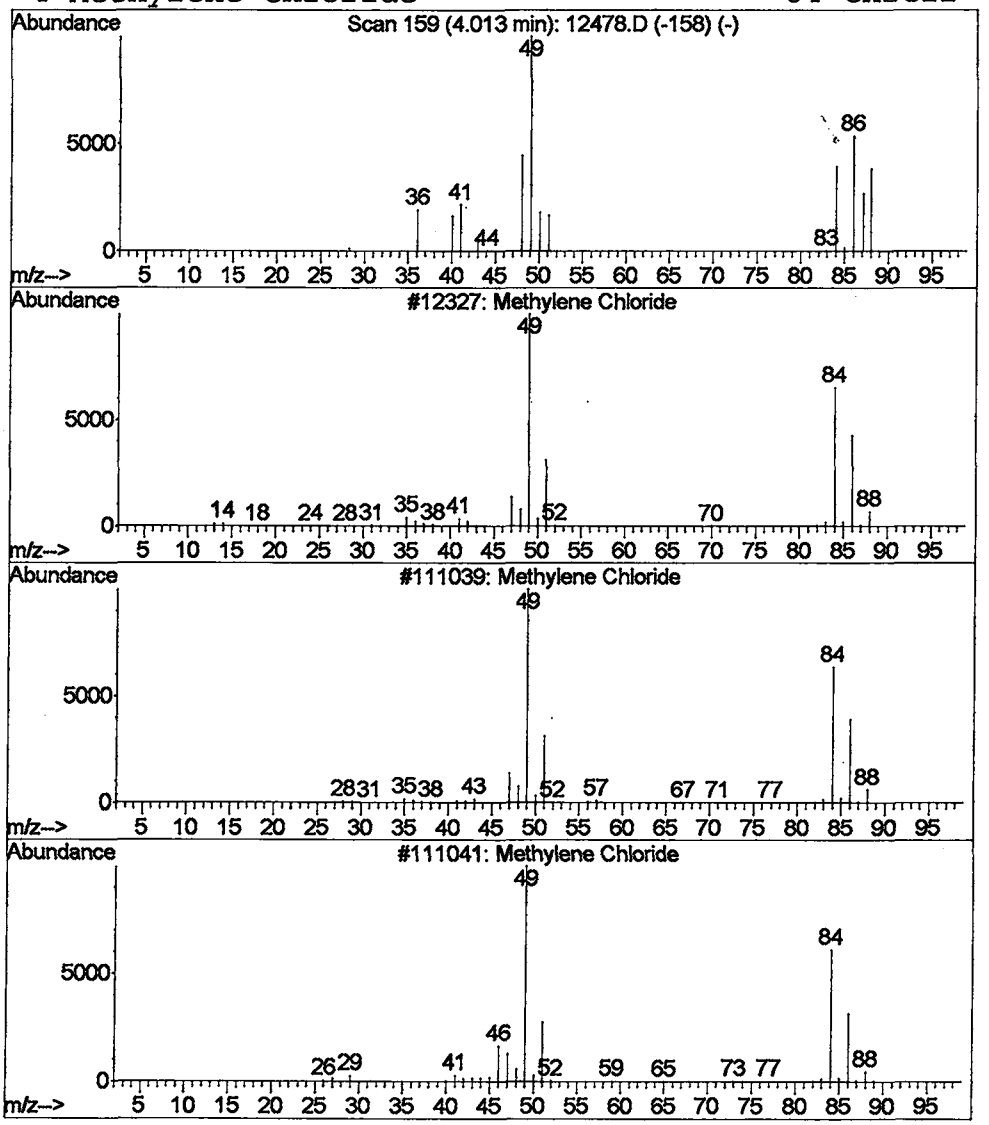
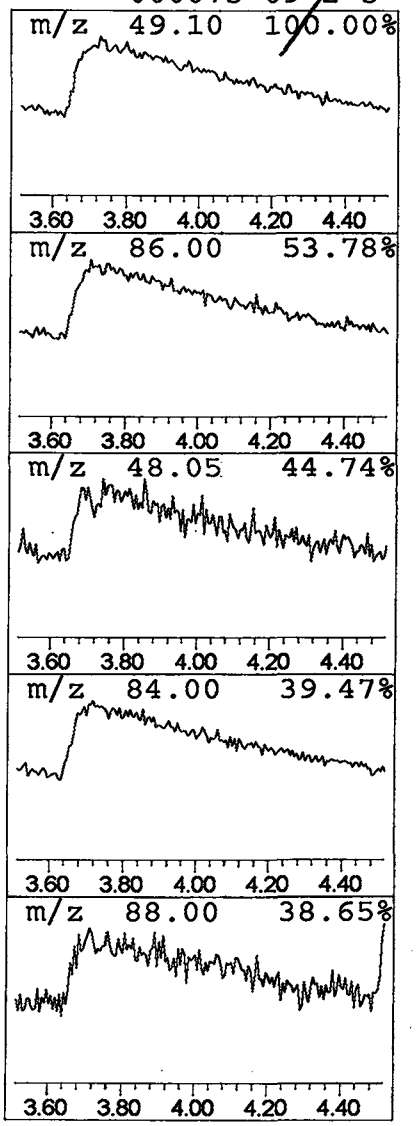
Peak Number 9 Methylene Chloride Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.02	0.91 ug/L	646147	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methylene Chloride	84	CH2Cl2	000075-09-2	7
2	Methylene Chloride	84	CH2Cl2	000075-09-2	7
3	Methylene Chloride	84	CH2Cl2	000075-09-2	7
4	Methylene Chloride	84	CH2Cl2	000075-09-2	5





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Multiplr: 1.00

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Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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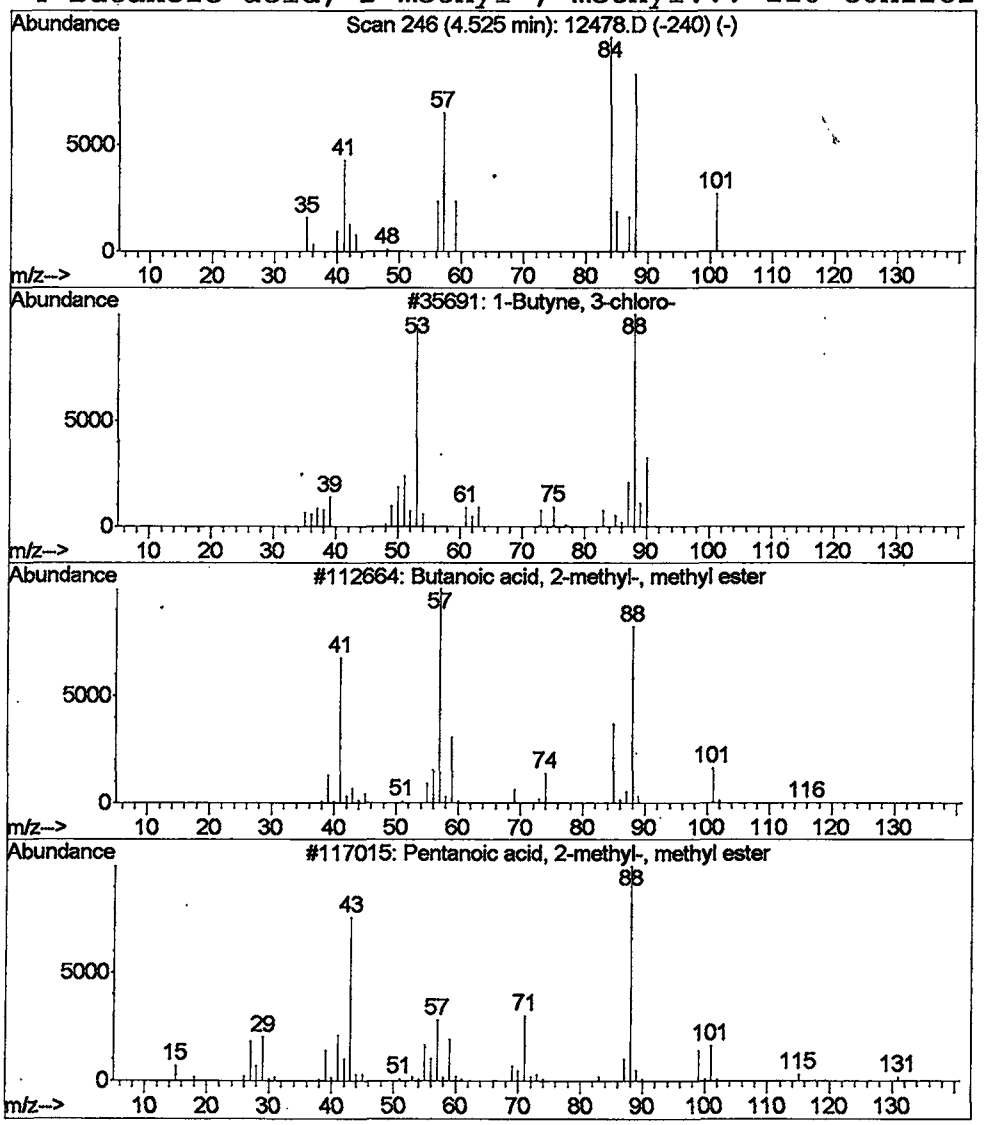
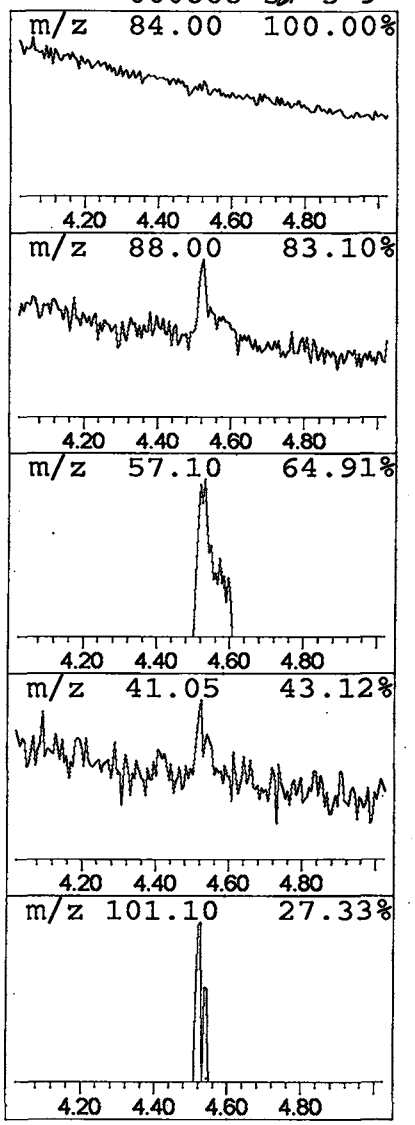
Peak Number 10 1-Butyne, 3-chloro- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.53	0.84 ug/L	592386	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butyne, 3-chloro-	88	C4H5Cl	021020-24-6	9
2	Butanoic acid, 2-methyl-, methyl...	116	C6H12O2	000868-57-5	9
3	Pentanoic acid, 2-methyl-, methy...	130	C7H14O2	002177-77-7	9
4	Butanoic acid, 2-methyl-, methyl...	116	C6H12O2	000868-57-5	9





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Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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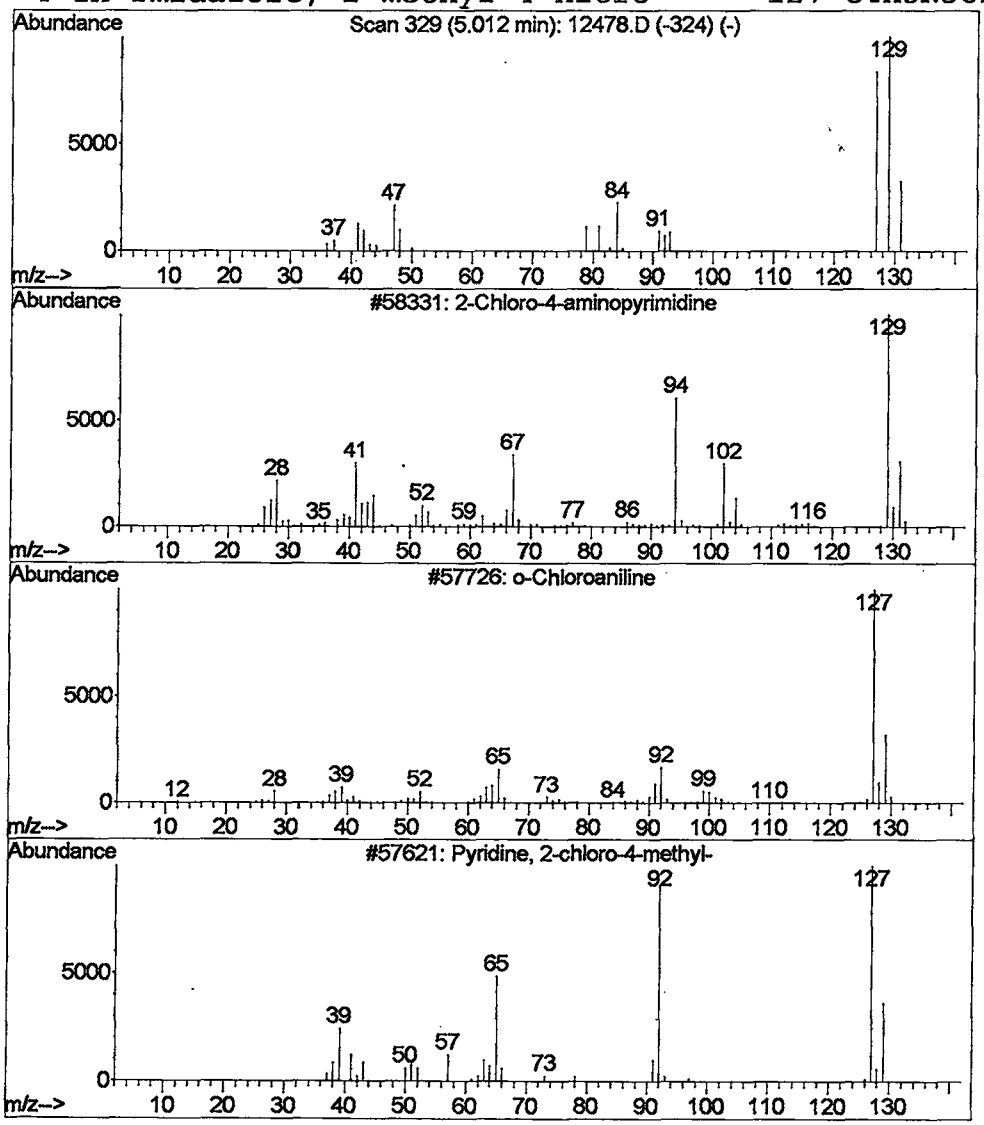
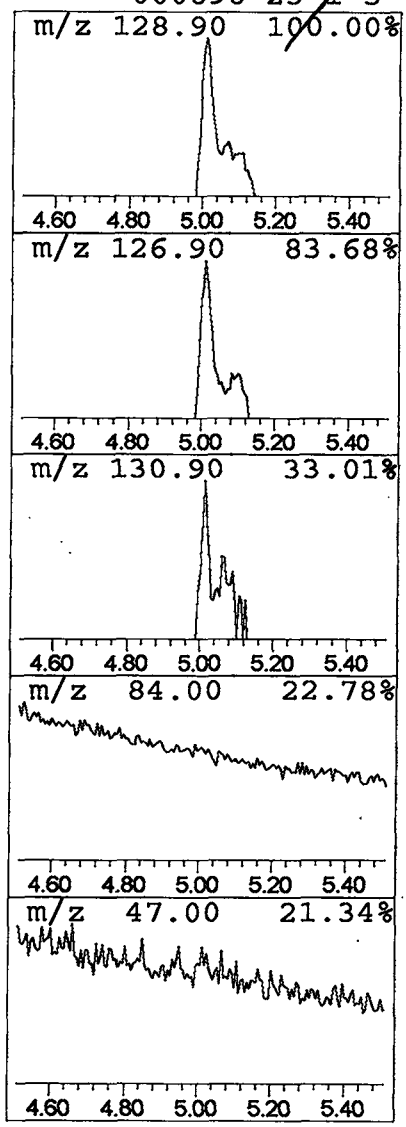
Peak Number 11 2-Chloro-4-aminopyrimidine Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.01	0.36 ug/L	257760	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Chloro-4-aminopyrimidine	129	C4H4ClN3	007461-50-9	9
2	o-Chloroaniline	127	C6H6ClN	000095-51-2	7
3	Pyridine, 2-chloro-4-methyl-	127	C6H6ClN	003678-62-4	7
4	1H-Imidazole, 2-methyl-4-nitro-	127	C4H5N3O2	000696-23-1	5





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Library : C:\DATABASE\NIST98.L

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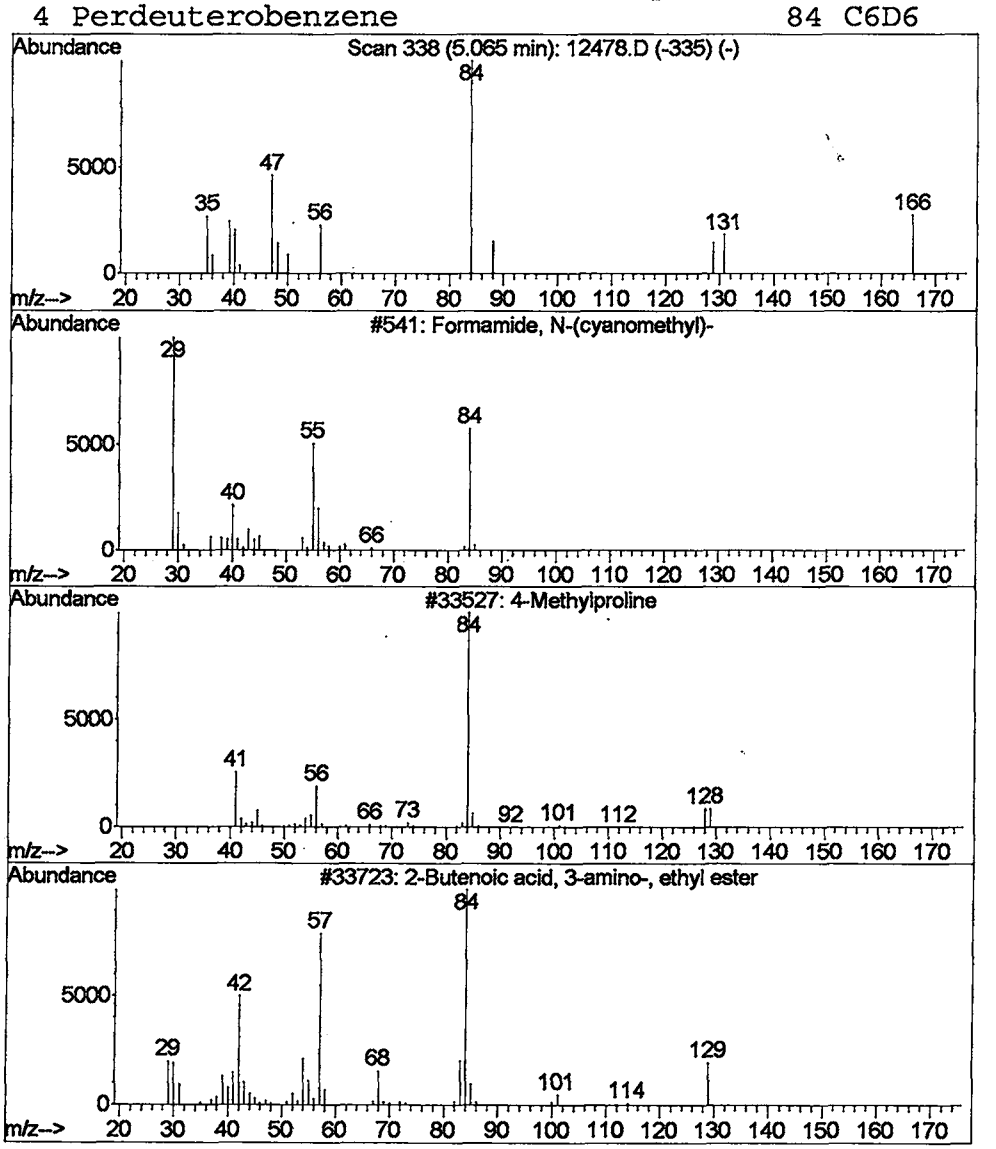
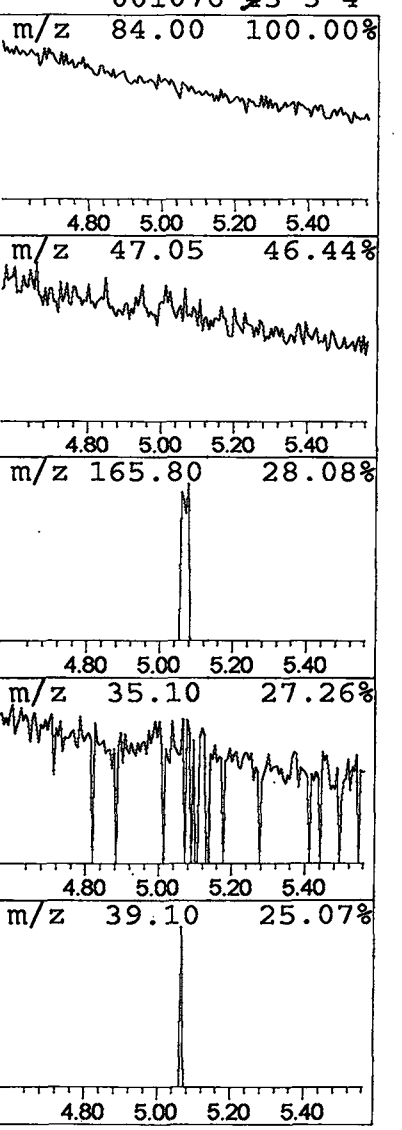
Peak Number 12 Formamide, N-(cyanomethyl)- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.06	0.28 ug/L	197453	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Formamide, N-(cyanomethyl)-	84	C3H4N2O	005018-27-9	7
2	4-Methylproline	129	C6H11NO2	1000131-14-6	7
3	2-Butenoic acid, 3-amino-, ethyl...	129	C6H11NO2	007318-00-5	5
4	Perdeuterobenzene	84	C6D6	001076-43-3	4





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Multiplr: 1.00

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Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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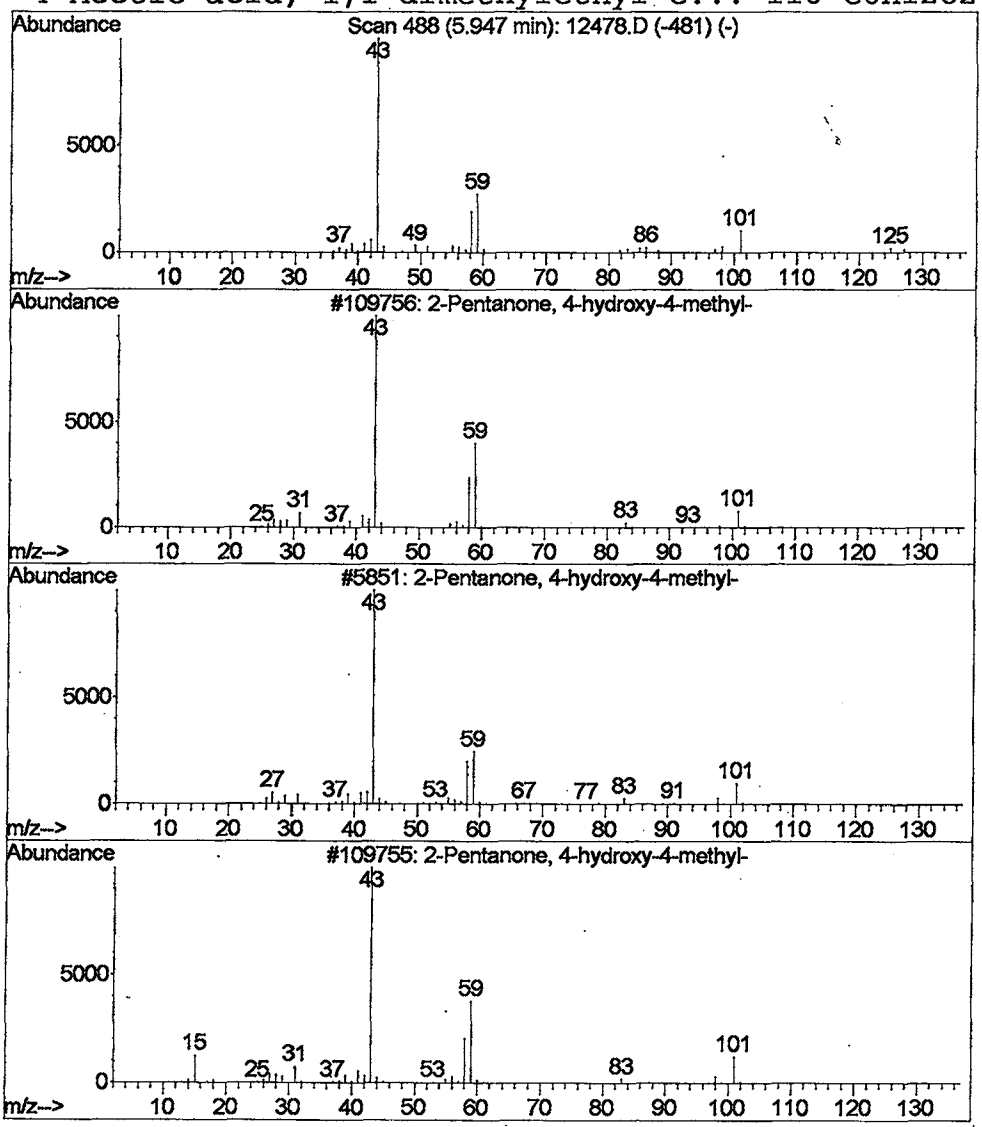
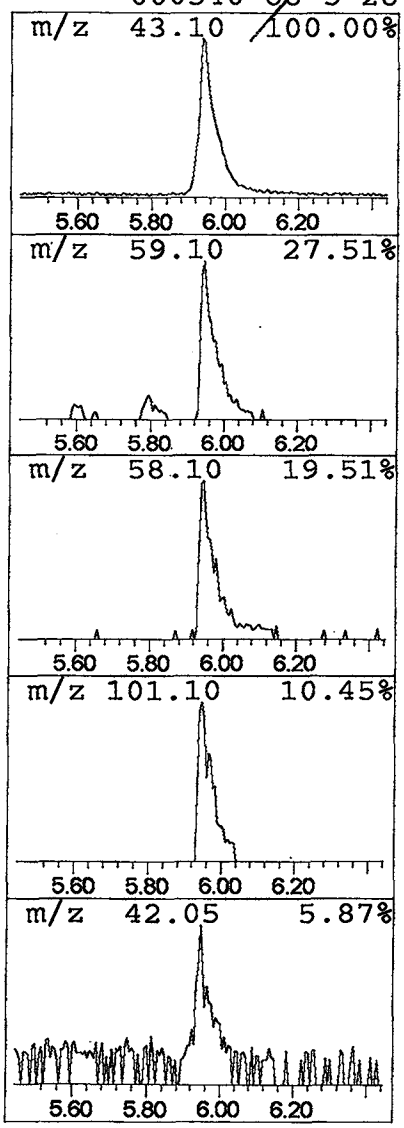
Peak Number 13 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.95	1.26 ug/L	890721	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
4	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	28





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Title : 508 Modified GC/MS scan
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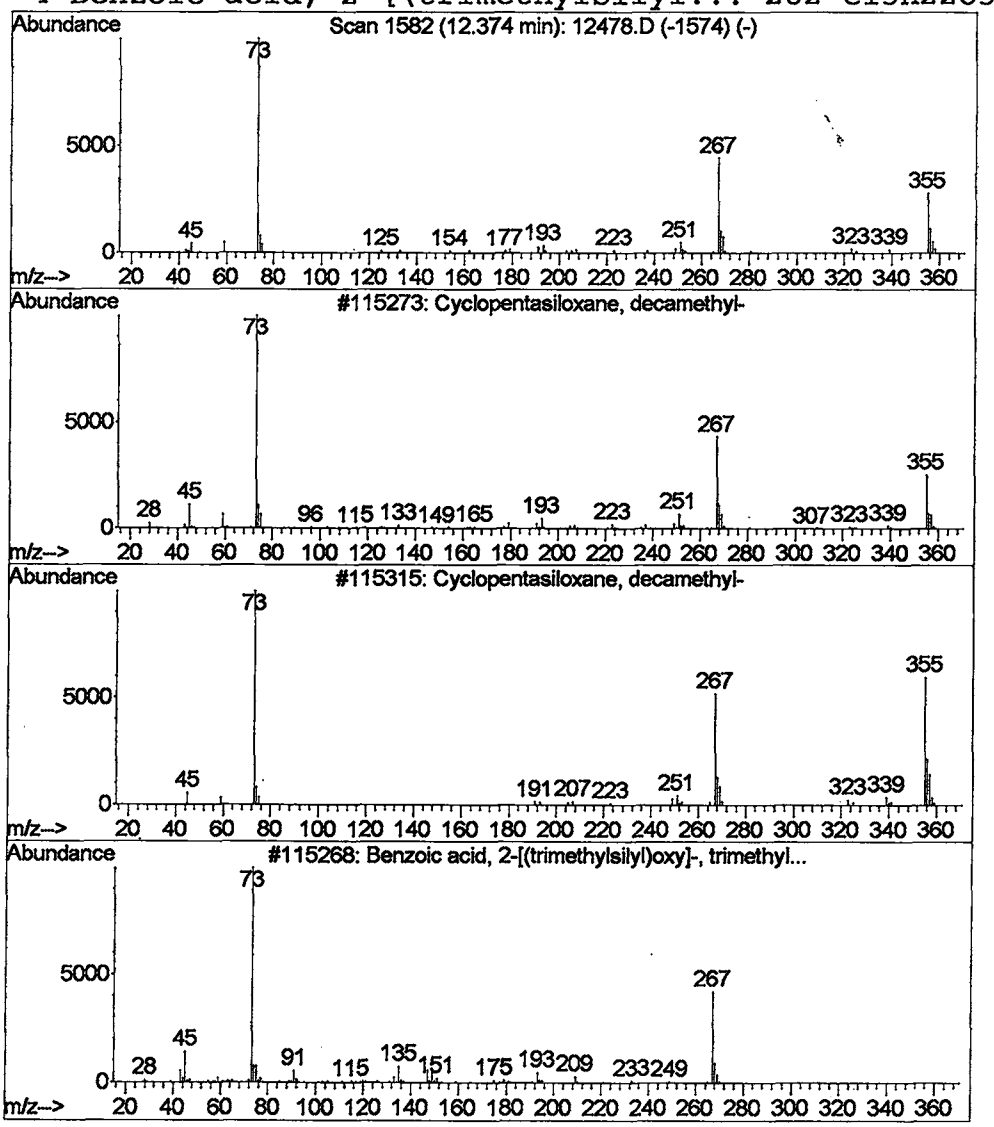
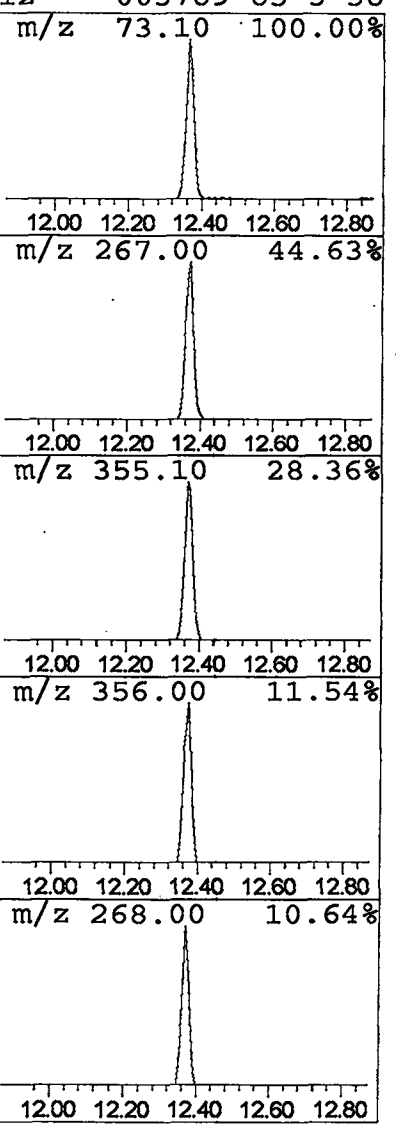
Peak Number 14 Cyclopentasiloxane, decamet... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	0.88 ug/L	846722	Napthalene-d8	13.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentasiloxane, decamethyl-	370	C10H30O5Si5	000541-02-6	74
2	Cyclopentasiloxane, decamethyl-	370	C10H30O5Si5	000541-02-6	53
3	Benzoic acid, 2-[(trimethylsilyl...	282	C13H22O3Si2	003789-85-3	38
4	Benzoic acid, 2-[(trimethylsilyl...	282	C13H22O3Si2	003789-85-3	38





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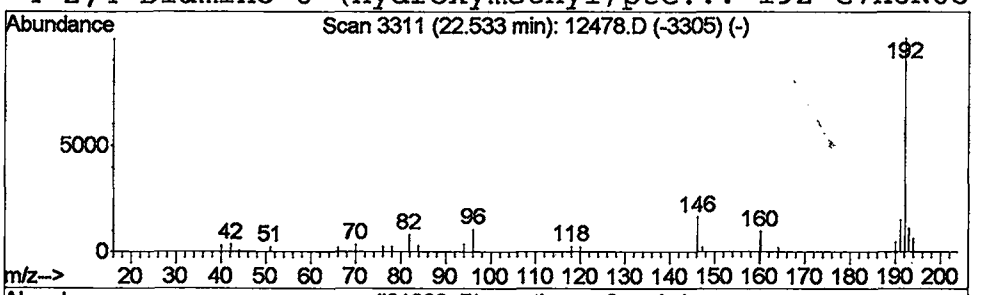
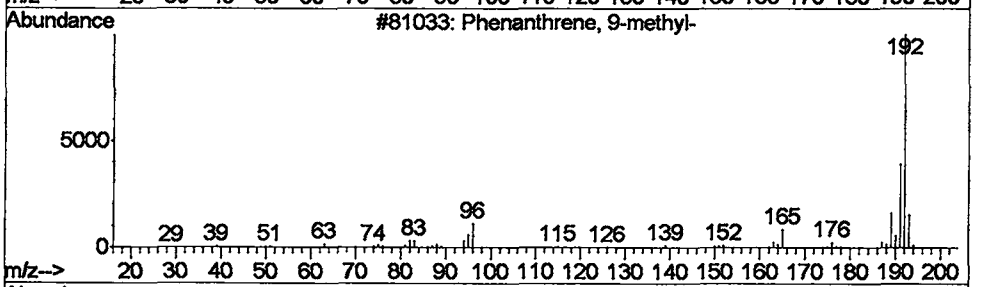
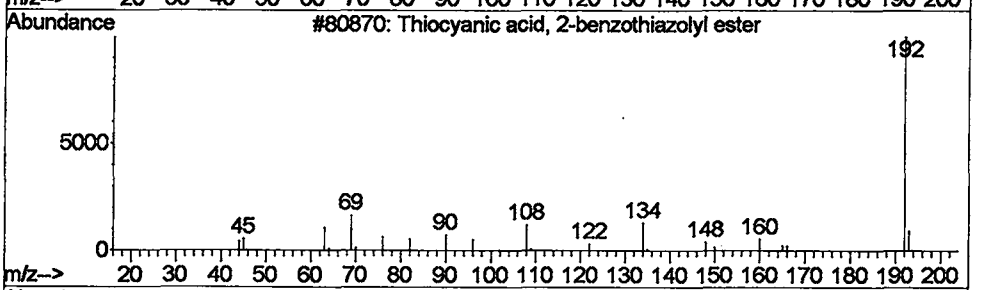
Peak Number 15 Phenanthrene, 9-methyl- Concentration Rank 15

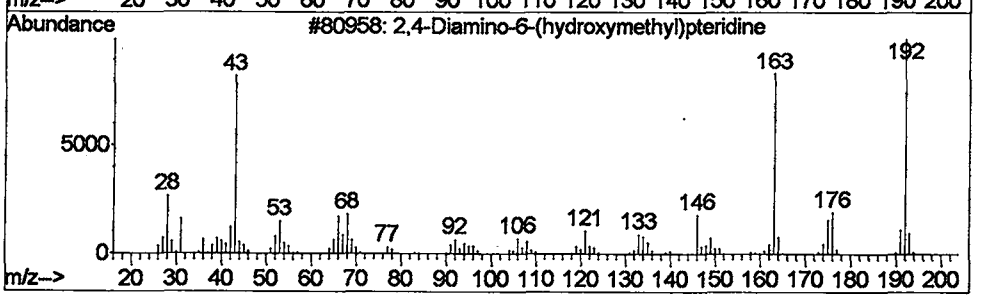
R.T.	EstConc	Area	Relative to ISTD	R.T.
22.54	0.26 ug/L	284747	Phenanthranene-d10	22.91

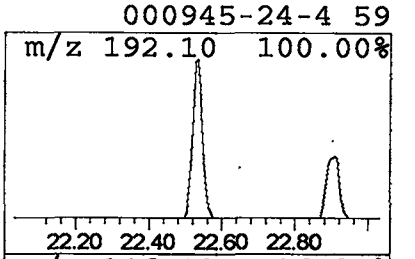
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	59
2	Thiocyanic acid, 2-benzothiazoly...	192	C8H4N2S2	006011-99-0	59
3	2,4-Diamino-6-(hydroxymethyl)pte...	192	C7H8N6O	000945-24-4	59
4	2,4-Diamino-6-(hydroxymethyl)pte...	192	C7H8N6O	000945-24-4	59

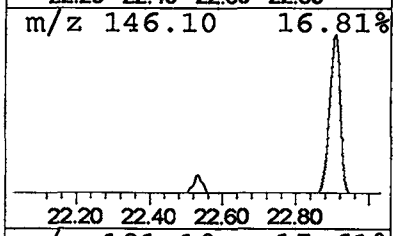


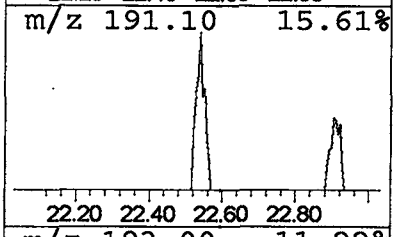


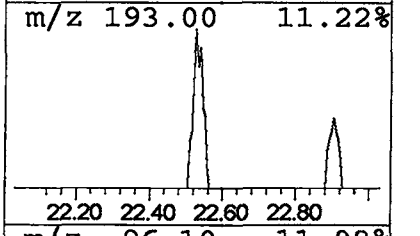


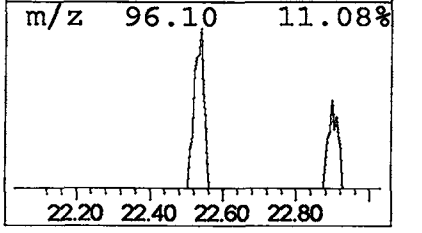












Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052902\12478.D Vial: 20
Acq On : 30 May 2002 1:34 am Operator: McLean
Sample : gc/ms scan 5/28 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

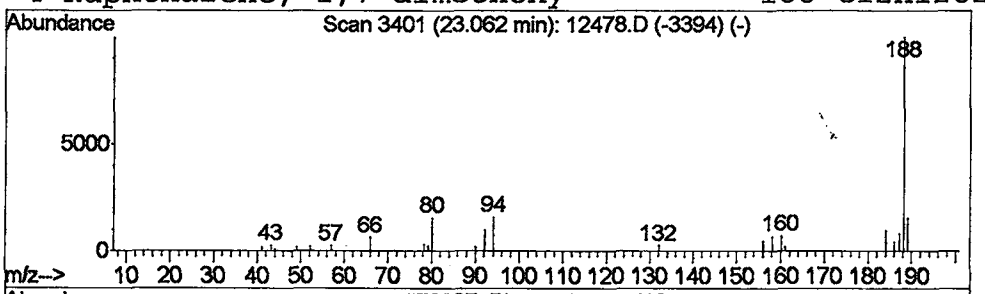
Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

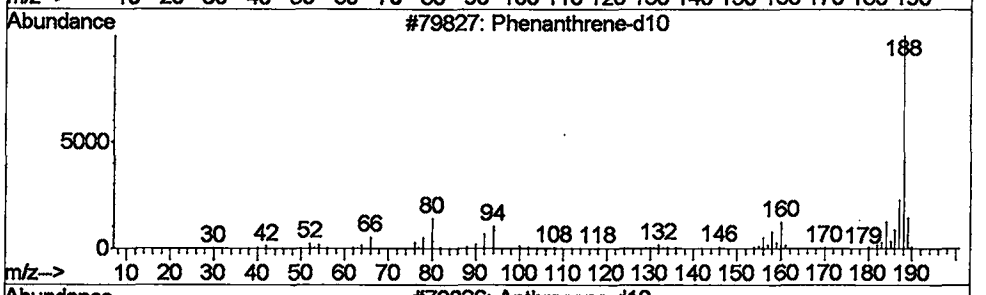
****

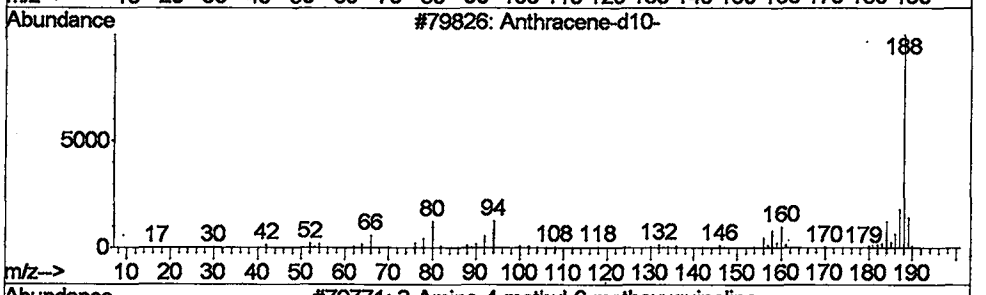
Peak Number 16 Phenanthrene-d10 Concentration Rank 12

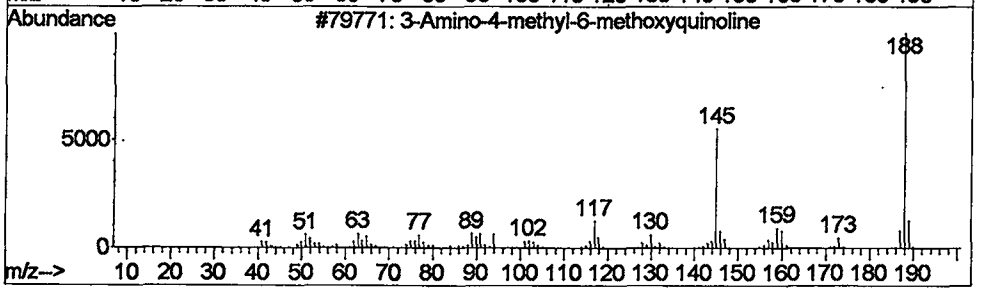
R.T.	EstConc	Area	Relative to ISTD	R.T.
23.06	0.32 ug/L	353573	Phenanthranene-d10	22.91

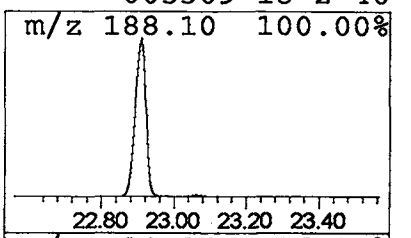
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene-d10	188	C14D10	001517-22-2	87
2	Anthracene-d10-	188	C14D10	001719-06-8	86
3	3-Amino-4-methyl-6-methoxyquinoline	188	C11H12N2O	1000213-71-3	40
4	Naphthalene, 1,7-dimethoxy-	188	C12H12O2	005309-18-2	40

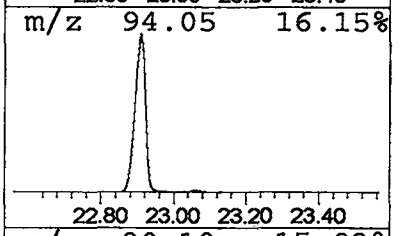


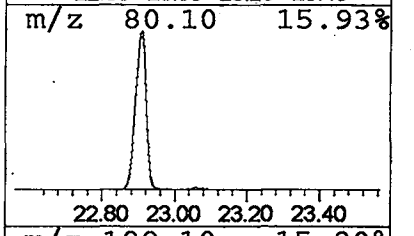


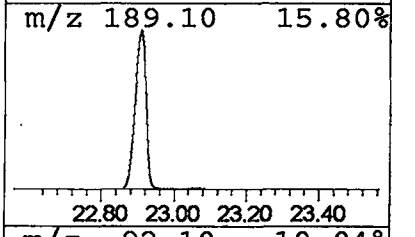


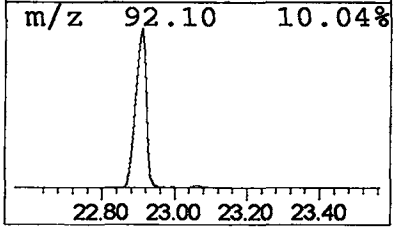












Tentatively Identified Compound (LSC) summary

Operator ID: McLean Date Acquired: 30 May 2002 1:34 am
Data File: C:\MSDCHEM\1\DATA\052902\12478.D
Name: gc/ms scan 5/28
Misc:
Method: C:\MSDCHEM\1\METHODS\052202.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
Butanoic acid, me...	3.47	0.2	ug/L	150926	1	9.90	28279100	40.0
Acetonitrile, dic...	3.53	0.3	ug/L	204731	1	9.90	28279100	40.0
Methylene Chloride	3.72	4.8	ug/L	3420970	1	9.90	28279100	40.0
Methylene Chloride	3.86	0.7	ug/L	462751	1	9.90	28279100	40.0
Methylene Chloride	3.88	1.0	ug/L	680175	1	9.90	28279100	40.0
Dicyandiamide	3.93	0.8	ug/L	600153	1	9.90	28279100	40.0
Acetic acid, chlo...	3.98	0.6	ug/L	459312	1	9.90	28279100	40.0
Acetic acid, chlo...	3.99	0.4	ug/L	297027	1	9.90	28279100	40.0
Methylene Chloride	4.02	0.9	ug/L	646147	1	9.90	28279100	40.0
1-Butyne, 3-chloro-	4.53	0.8	ug/L	592386	1	9.90	28279100	40.0
2-Chloro-4-aminop...	5.01	0.4	ug/L	257760	1	9.90	28279100	40.0
Formamide, N-(cya...	5.06	0.3	ug/L	197453	1	9.90	28279100	40.0
2-Pentanone, 4-hy...	5.95	1.3	ug/L	890721	1	9.90	28279100	40.0
Cyclopentasiloxan...	12.37	0.9	ug/L	846722	2	13.39	38476200	40.0
Phenanthrene, 9-m...	22.54	0.3	ug/L	284747	4	22.91	43576600	40.0
Phenanthrene-d10	23.06	0.3	ug/L	353573	4	22.91	43576600	40.0