User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 05/09/2002 Time: 13:47:25

Sample: AE09970
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 5/9/02 13:46 Ended: 5/9/02 13:46 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		79		10.0

Comments for Sample AE09970 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 05-09-2002 Time: 13:47:51

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\050602\9970.D Vial: 27
Acq On : 7 May 2002 8:52 am Operator: Mclean
Sample : 4/25 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 07 15:48:52 2002 Quant Results File: 050102.RES

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Tue May 07 14:35:08 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.94	152	4552613	40.00	ug/L	0.00
10) Napthalene-d8	13.43	136	18188795	40.00	ug/L	0.00
17) Acenapthalene-d10	18.57	164	9932601	40.00	ug/L	0.00
29) Phenanthranene-d10	22.95	188	14422733	40.00	ug/L	0.00
37) Chrysene-d12	30.81	240	10632841	40.00	ug/L	0.00
43) Perylene-d12	34.71	264	6526135	40.00	ug/L	0.00
System Monitoring Compounds						
27) TCMX	20.54	209	495635	7.92	ug/L	0.00
Spiked Amount 10.000			Recovery = 79.20%			
50) 2,4-ddd	0.00	235	0	0.00	ug/L	
Spiked Amount 5.000			Recovery = 0.00%			
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	0.00	93	0	N.D.		
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	0.00	77	0	N.D.		
30) Nnitrosodiphenylamine	0.00	169	0	N.D.		
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.		

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\050602\9970.D Vial: 27
Acq On : 7 May 2002 8:52 am Operator: Mclean
Sample : 4/25 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 07 15:48:52 2002 Quant Results File: 050102.RES

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Tue May 07 14:35:08 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

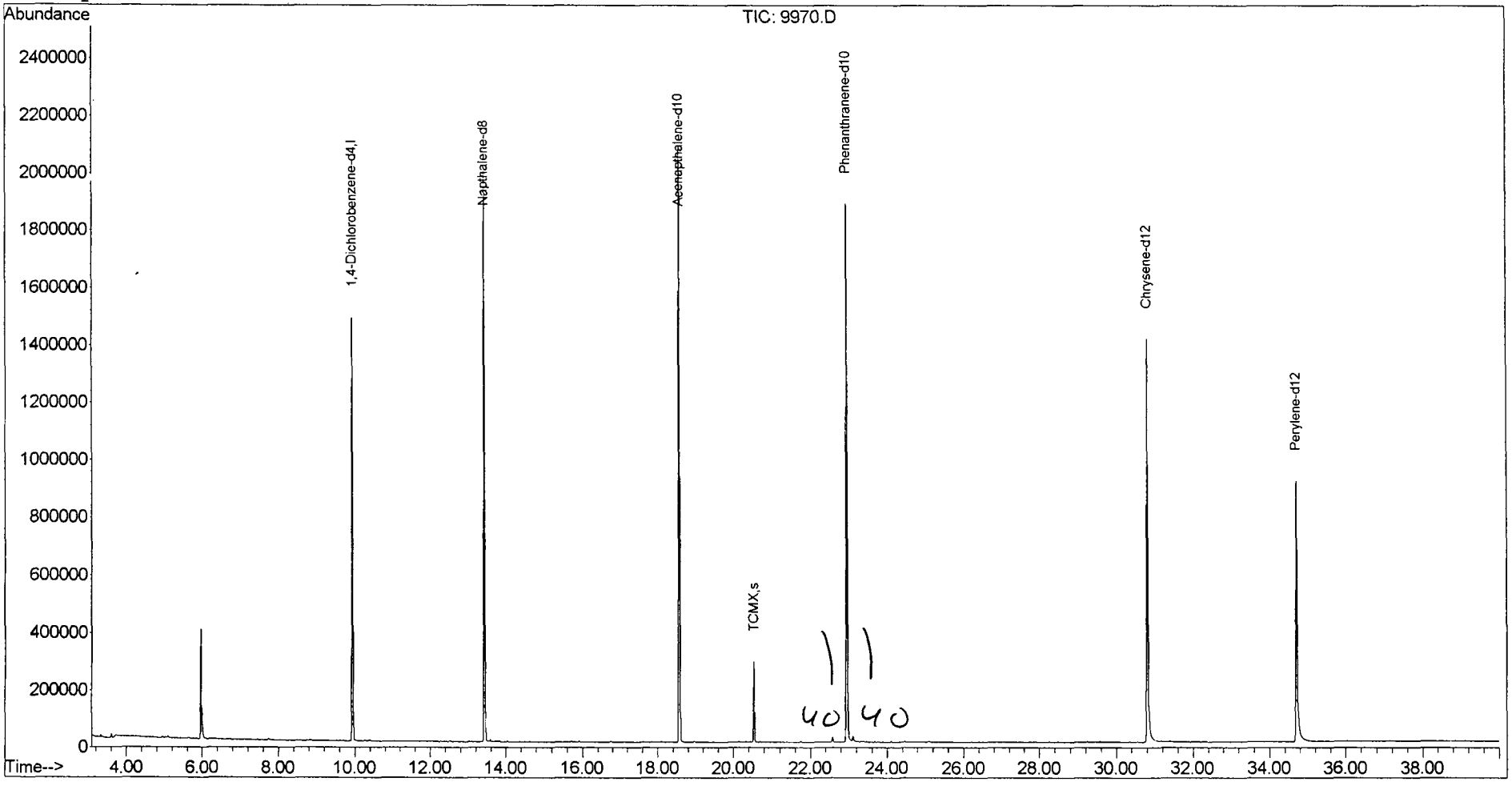
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
34)	Anthracene	0.00	178	0	N.D.	
35)	Di-n-butylphthalate	25.10	149	25303	N.D.	
36)	Fluoroanthene	0.00	202	0	N.D.	
38)	Pyrene	0.00	202	0	N.D.	
39)	Butylbenzylphthalate	0.00	149	0	N.D.	
40)	Benzo(a)anthracene	30.81	228	25860	N.D.	
41)	Bis(2-ethylhexyl)phthalate	31.38	149	17204	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.	
51)	Benzo(g,h,i)perylene	0.00	276	0	N.D.	

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\050602\9970.D Vial: 27
Acq On : 7 May 2002 8:52 am Operator: Mclean
Sample : 4/25 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 7 15:49 2002 Quant Results File: 050102.RES

Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Tue May 07 14:35:08 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\050602\9970.D
Acq On : 7 May 2002 8:52 am
Sample : 4/25
Misc :
MS Integration Params: LSCINT.e

Vial: 27
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\050102.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	3.109	3	5	15	BV 9	2276	45754	0.11%	0.021%
2	3.320	35	41	45	PV 4	7242	118538	0.29%	0.053%
3	3.373	48	50	56	VV 3	3297	35612	0.09%	0.016%
4	3.602	84	89	96	PV	13672	198741	0.49%	0.089%
5	3.726	96	110	116	VV 6	10932	459722	1.13%	0.207%
6	3.767	116	117	120	VV 3	8424	129474	0.32%	0.058%
7	3.796	120	122	124	VV 3	8077	88217	0.22%	0.040%
8	3.814	124	125	131	VV 3	7919	183576	0.45%	0.083%
9	3.878	131	136	140	VV 5	7850	234164	0.58%	0.105%
10	3.914	140	142	145	VV 4	7176	126063	0.31%	0.057%
11	4.201	189	191	194	VV 4	6478	112283	0.28%	0.051%
12	4.254	194	200	208	VV 6	7407	266608	0.66%	0.120%
13	4.331	208	213	218	VV 8	6348	195181	0.48%	0.088%
14	4.577	248	255	257	VV 3	5711	144914	0.36%	0.065%
15	4.942	307	317	322	VV 7	7461	229061	0.56%	0.103%
16	5.024	327	331	334	VV 5	6342	108286	0.27%	0.049%
17	5.048	334	335	337	VV 2	5170	54371	0.13%	0.024%
18	5.095	337	343	355	VV 8	8925	311509	0.77%	0.140%
19	5.635	428	435	446	VV 10	5149	206932	0.51%	0.093%
20	5.970	479	492	510	VV	391801	7410263	18.22%	3.337%
21	6.088	510	512	516	VV 4	4250	77424	0.19%	0.035%
22	6.328	546	553	559	VV 9	2393	78426	0.19%	0.035%
23	6.928	652	655	665	VV 4	2073	61107	0.15%	0.028%
24	7.104	680	685	689	VV 6	2266	45454	0.11%	0.020%
25	7.157	692	694	697	VV 2	2351	32731	0.08%	0.015%
26	7.451	735	744	749	VV 6	3355	83941	0.21%	0.038%
27	7.733	785	792	801	PV 6	5298	135908	0.33%	0.061%
28	7.797	801	803	805	VV 3	718	5729	0.01%	0.003%
29	8.743	961	964	970	PV 3	1747	33452	0.08%	0.015%
30	8.820	970	977	994	VV 6	3779	113341	0.28%	0.051%
31	9.301	1057	1059	1063	VV 2	2628	38161	0.09%	0.017%
32	9.619	1103	1113	1117	PV 5	2478	58505	0.14%	0.026%
33	9.660	1117	1120	1122	VV 3	2589	25073	0.06%	0.011%
34	9.695	1122	1126	1132	VV 3	2890	71221	0.18%	0.032%
35	9.866	1150	1155	1158	VV 5	2050	35294	0.09%	0.016%
36	9.936	1158	1167	1178	VV	1461776	27560098	67.78%	12.411%
37	10.012	1178	1180	1186	VV 3	3780	80072	0.20%	0.036%

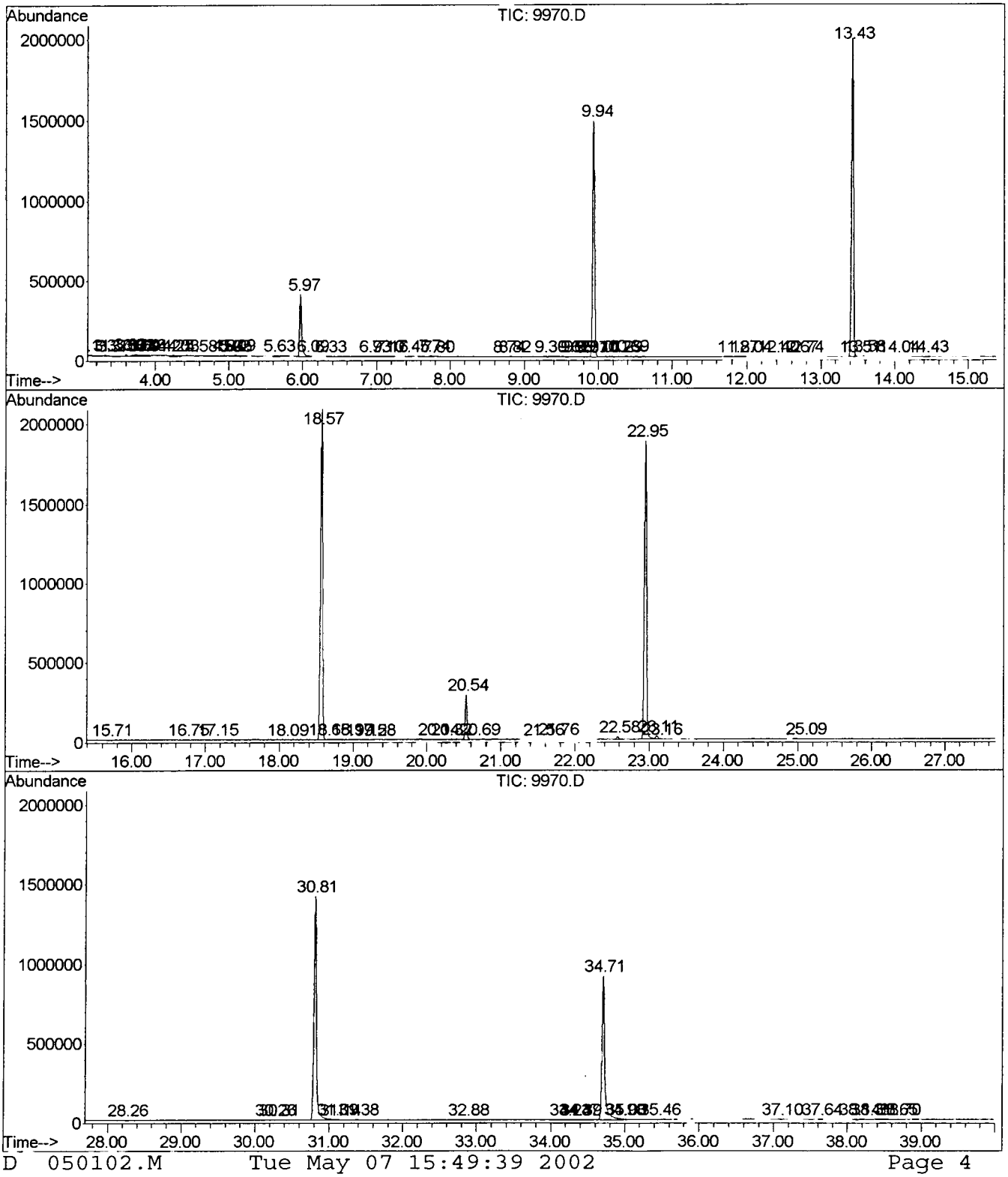
38	10.265	1214	1223	1226	VV	4	3490	83726	0.21%	0.038%
39	10.294	1226	1228	1234	VV	5	2647	45203	0.11%	0.020%
40	10.383	1234	1243	1253	VV	5	5666	177758	0.44%	0.080%
41	11.863	1491	1495	1498	VV	4	2617	37114	0.09%	0.017%
42	12.039	1520	1525	1530	VV	4	2764	57646	0.14%	0.026%
43	12.404	1585	1587	1593	VV	5	1946	24459	0.06%	0.011%
44	12.668	1627	1632	1637	PV	6	1852	33928	0.08%	0.015%
45	12.739	1637	1644	1647	VV	6	1851	41852	0.10%	0.019%
46	13.432	1751	1762	1774	VV		2000625	37112355	91.27%	16.712%
47	13.514	1774	1776	1778	VV	2	2411	32843	0.08%	0.015%
48	13.579	1782	1787	1797	VV		6871	146756	0.36%	0.066%
49	14.043	1855	1866	1871	VV	5	2874	74263	0.18%	0.033%
50	14.431	1927	1932	1939	PV		1817	34936	0.09%	0.016%
51	15.712	2140	2150	2155	VV	4	2646	70458	0.17%	0.032%
52	16.752	2315	2327	2334	VV	5	3253	91657	0.23%	0.041%
53	17.151	2392	2395	2397	VV		1961	19512	0.05%	0.009%
54	18.091	2551	2555	2558	VV	3	1689	17524	0.04%	0.008%
55	18.567	2626	2636	2648	PV		2048326	40663736	100.00%	18.312%
56	18.655	2648	2651	2654	VV	3	2929	46589	0.11%	0.021%
57	18.967	2697	2704	2709	PV	3	2057	35284	0.09%	0.016%
58	19.155	2728	2736	2745	PV	4	1698	49558	0.12%	0.022%
59	19.278	2752	2757	2759	PV		1888	20908	0.05%	0.009%
60	20.142	2895	2904	2916	VV	3	2492	86892	0.21%	0.039%
61	20.318	2931	2934	2942	VV	4	2600	57074	0.14%	0.026%
62	20.536	2961	2971	2979	VV		275679	4937441	12.14%	2.223%
63	20.694	2994	2998	3002	VV		2312	36872	0.09%	0.017%
64	21.558	3141	3145	3150	PV	4	1901	37416	0.09%	0.017%
65	21.758	3175	3179	3185	VV	4	3110	69314	0.17%	0.031%
66	22.580	3310	3319	3328	PV	3	16798	317778	0.78%	0.143%
67	22.956	3372	3383	3402	PV	2	1865939	39445376	97.00%	17.763%
68	23.109	3402	3409	3416	VV	2	18926	436384	1.07%	0.197%
69	23.156	3416	3417	3420	VV	2	1078	9080	0.02%	0.004%
70	25.089	3742	3746	3749	PV	4	1807	30657	0.08%	0.014%
71	28.256	4280	4285	4291	VV	2	1849	27538	0.07%	0.012%
72	30.254	4623	4625	4630	VV		1400	12036	0.03%	0.005%
73	30.307	4630	4634	4639	PV		1381	20749	0.05%	0.009%
74	30.806	4704	4719	4764	VV	2	1388785	33241579	81.75%	14.969%
75	31.094	4764	4768	4773	VV	4	4171	112080	0.28%	0.050%
76	31.135	4773	4775	4778	VV	3	3450	54820	0.13%	0.025%
77	31.382	4812	4817	4823	VV	3	4266	103544	0.25%	0.047%
78	32.880	5066	5072	5084	PV		1642	35724	0.09%	0.016%
79	34.243	5299	5304	5306	PV		1883	22581	0.06%	0.010%
80	34.367	5315	5325	5327	VV	2	1820	47559	0.12%	0.021%
81	34.390	5327	5329	5332	VV	2	2008	25623	0.06%	0.012%
82	34.707	5371	5383	5428	VV	2	909175	24233602	59.60%	10.913%
83	34.978	5428	5429	5431	VV	2	5833	58007	0.14%	0.026%
84	34.995	5431	5432	5440	VV	3	5519	143610	0.35%	0.065%
85	35.460	5507	5511	5517	VV		3008	75004	0.18%	0.034%
86	37.099	5788	5790	5794	VV	3	2904	39702	0.10%	0.018%
87	37.639	5879	5882	5884	VV	2	2893	34652	0.09%	0.016%

88	38.145	5961	5968	5970	VV	4	2302	46742	0.11%	0.021%
89	38.309	5985	5996	6003	VV	7	2300	83882	0.21%	0.038%
90	38.650	6040	6054	6058	PV	2	1452	51687	0.13%	0.023%
91	38.697	6058	6062	6064	VV	3	1506	18284	0.04%	0.008%

Sum of corrected areas: 222066558

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\050602\9970.D
Operator : Mclean
Acquired : 7 May 2002 8:52 am using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: 4/25
Misc Info :
Vial Number: 27
Quant File :050102.RES (Chemstation Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050602\9970.D
Acq On : 7 May 2002 8:52 am
Sample : 4/25
Misc :
MS Integration Params: LSCINT.e

Vial: 27
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

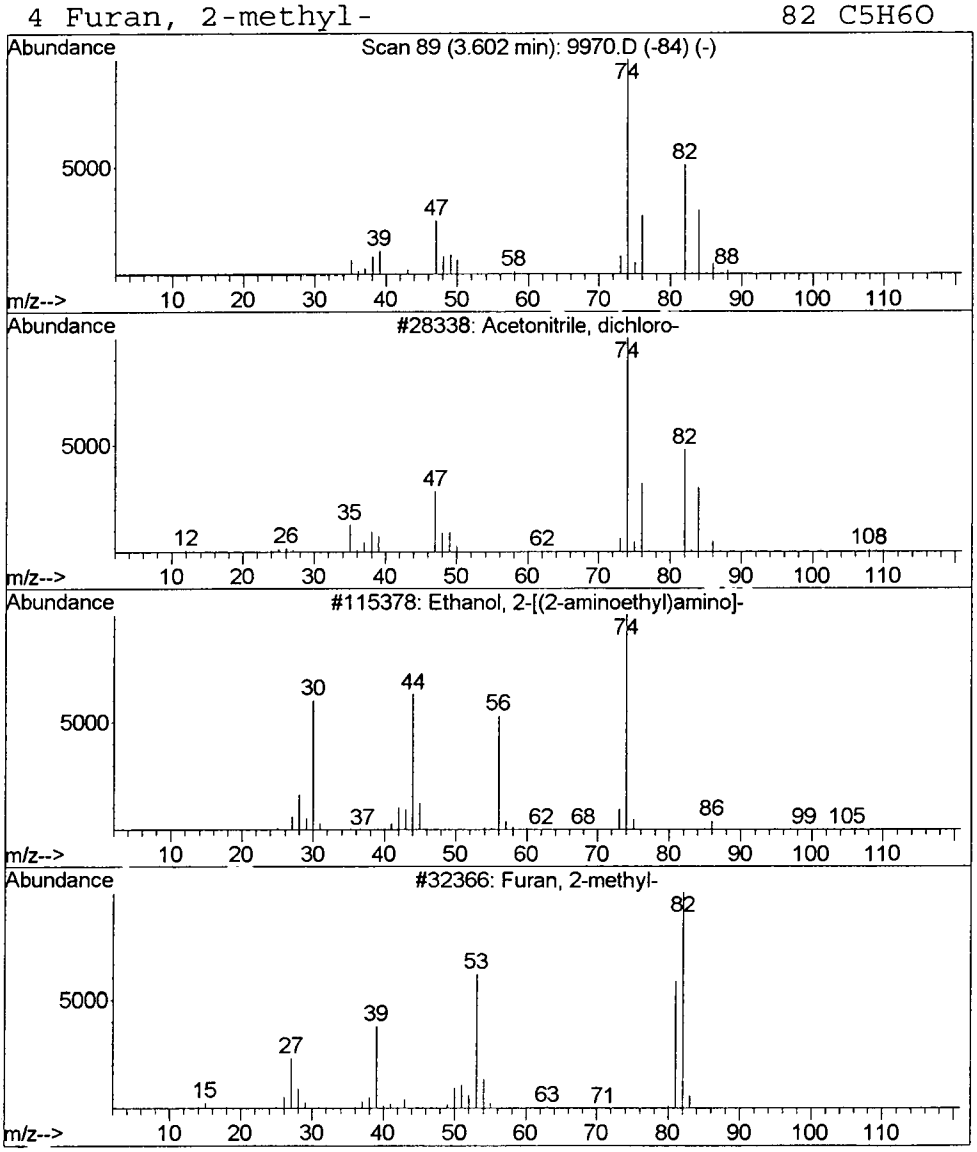
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

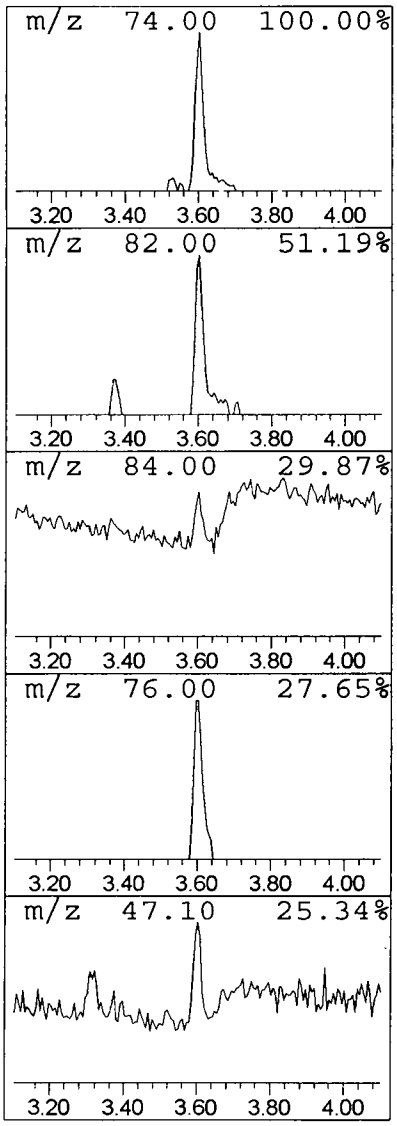
****

Peak Number 1 Acetonitrile, dichloro- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.60	0.29 ug/L	198741	1,4-Dichlorobenzene-d4	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	83
2	Ethanol, 2-[(2-aminoethyl)amino]-	104	C4H12N2O	000111-41-1	9
3	Furan, 2-methyl-	82	C5H6O	000534-22-5	7
4	Furan, 2-methyl-	82	C5H6O	000534-22-5	5





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050602\9970.D Vial: 27
Acq On : 7 May 2002 8:52 am Operator: Mclean
Sample : 4/25 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

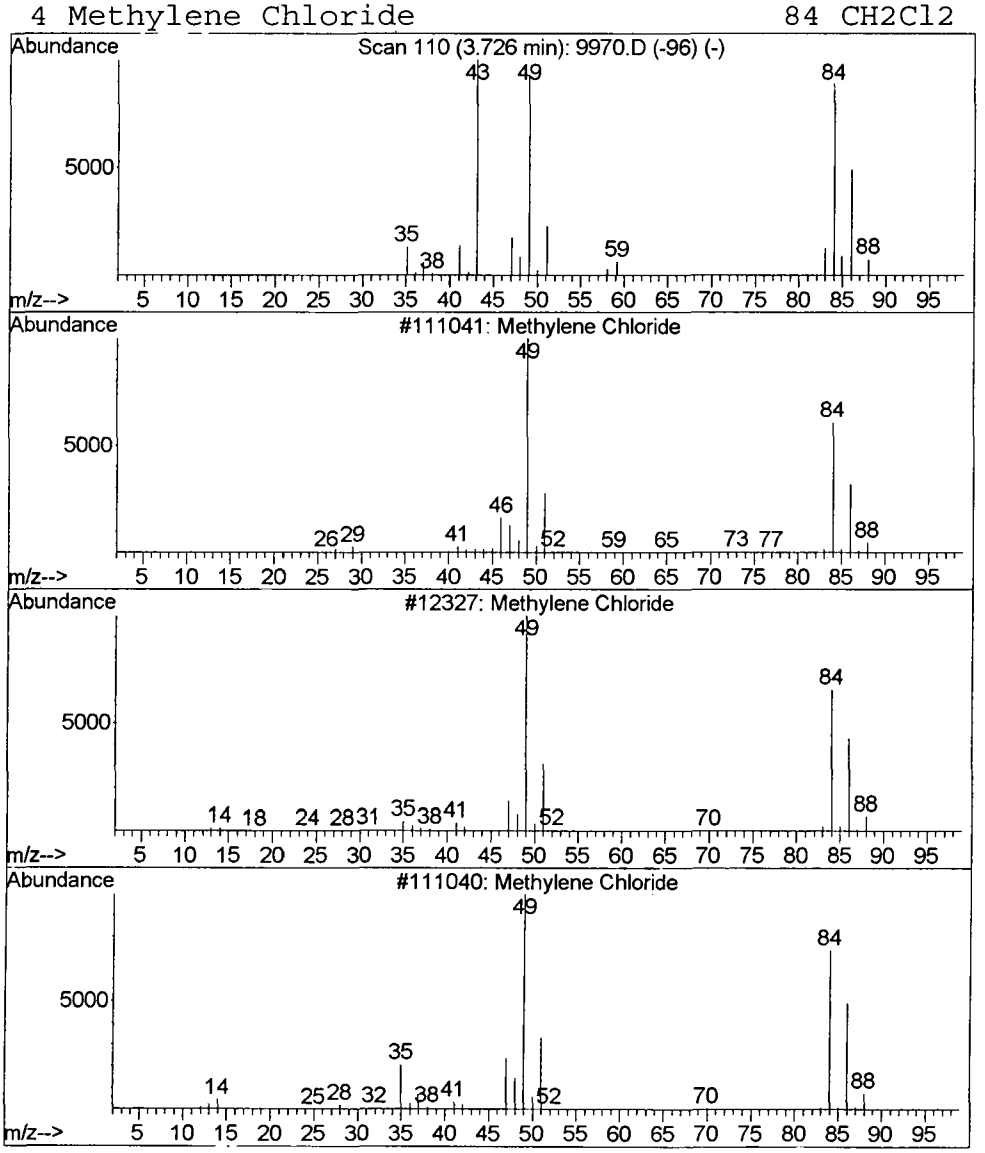
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

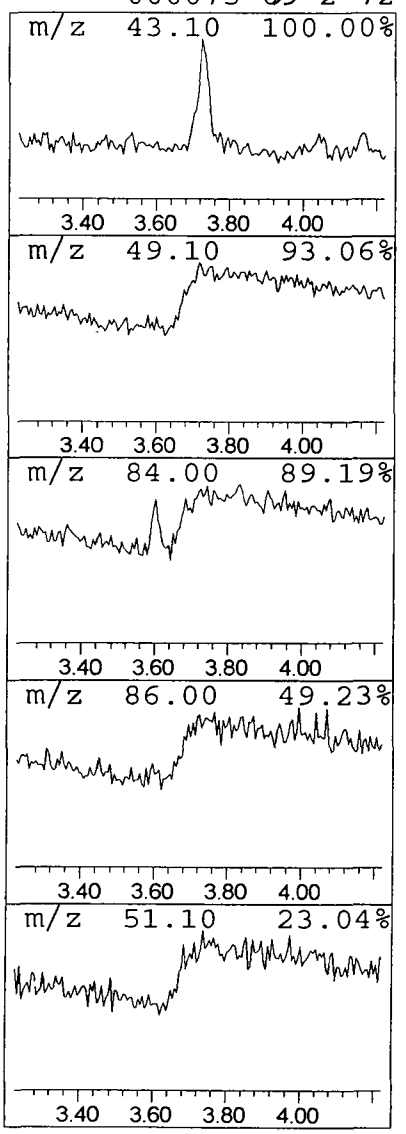
****

Peak Number 2 Methylene Chloride Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.73	0.67 ug/L	459722	1,4-Dichlorobenzene-d4	9.94

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	86
3	Methylene Chloride	84	CH2Cl2	000075-09-2	78
4	Methylene Chloride	84	CH2Cl2	000075-09-2	72





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050602\9970.D Vial: 27
Acq On : 7 May 2002 8:52 am Operator: Mclean
Sample : 4/25 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

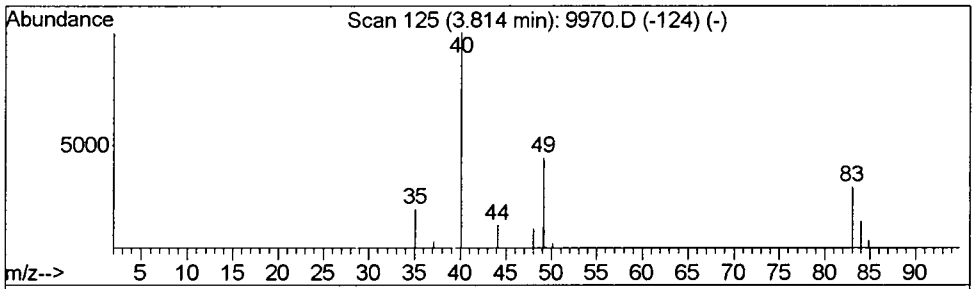
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

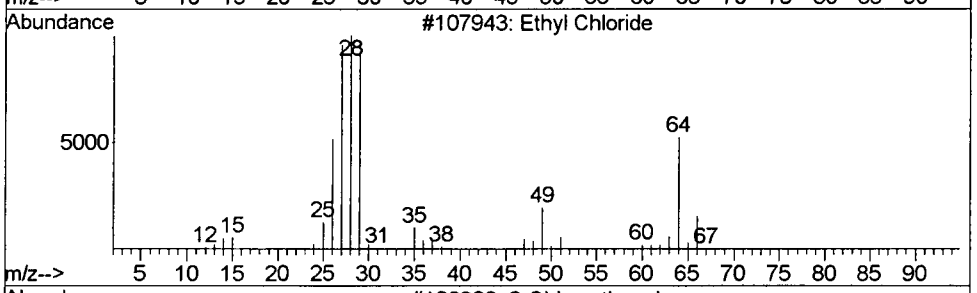
****

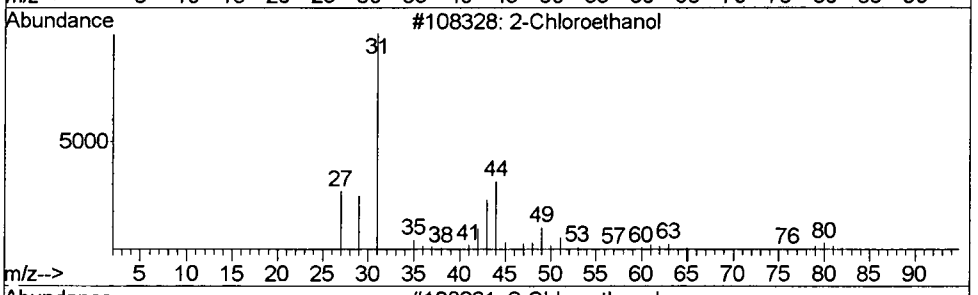
Peak Number 3 Ethyl Chloride Concentration Rank 12

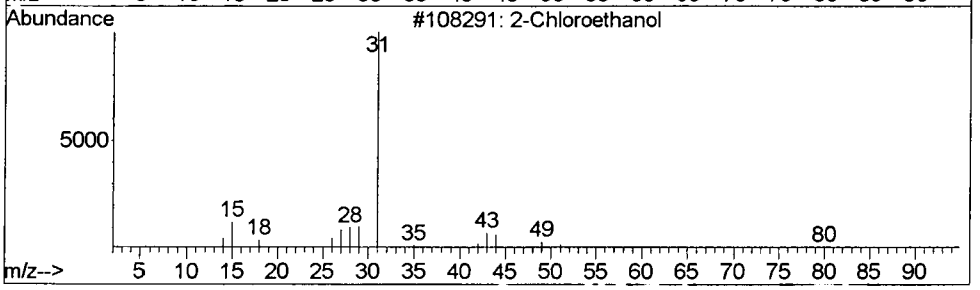
R.T.	EstConc	Area	Relative to ISTD	R.T.
3.81	0.27 ug/L	183576	1,4-Dichlorobenzene-d4	9.94

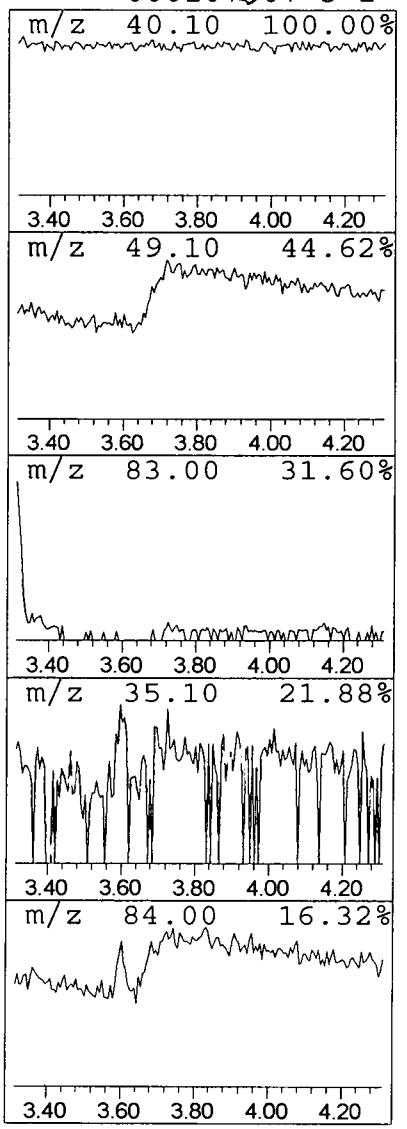
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl Chloride	64	C2H5Cl	000075-00-3	40
2	2-Chloroethanol	80	C2H5ClO	000107-07-3	9
3	2-Chloroethanol	80	C2H5ClO	000107-07-3	2
4	2-Chloroethanol	80	C2H5ClO	000107-07-3	2











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Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

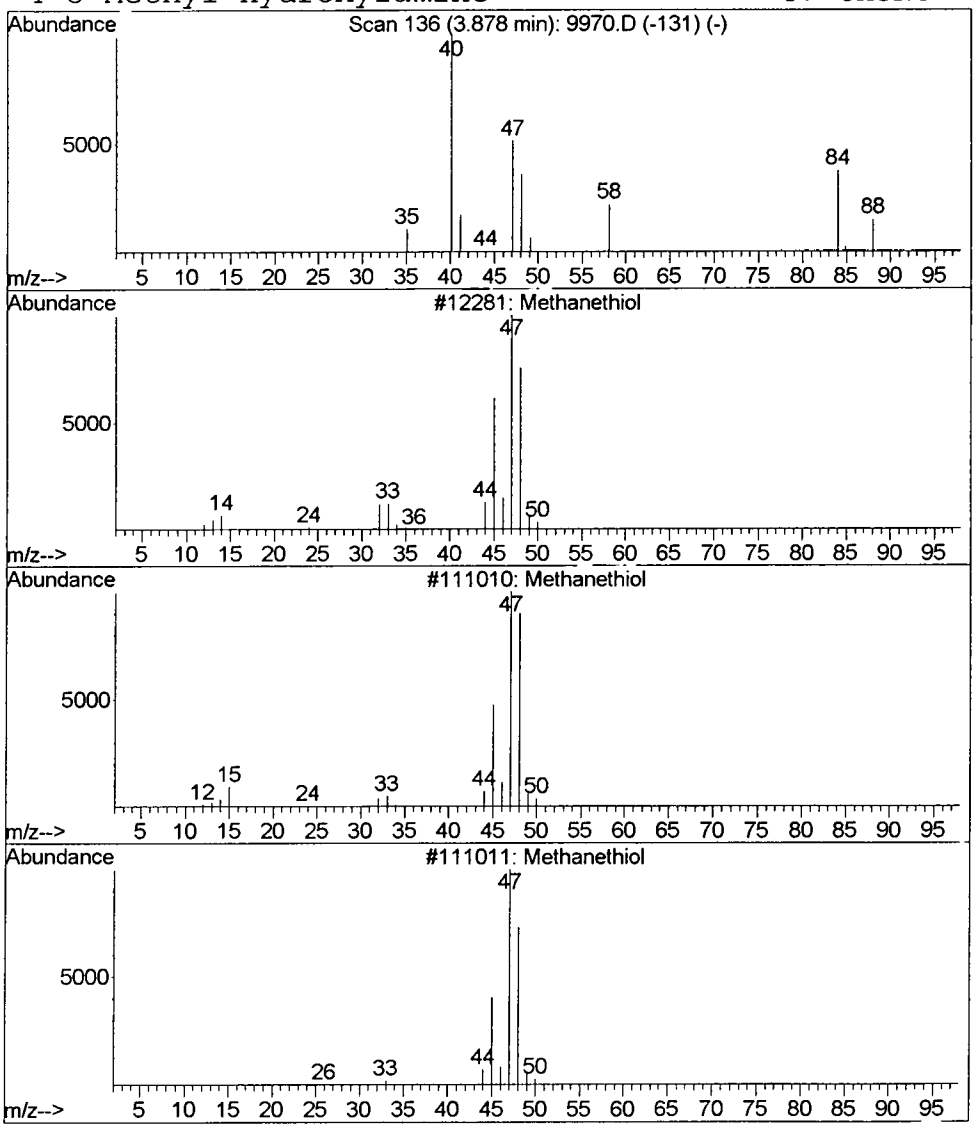
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

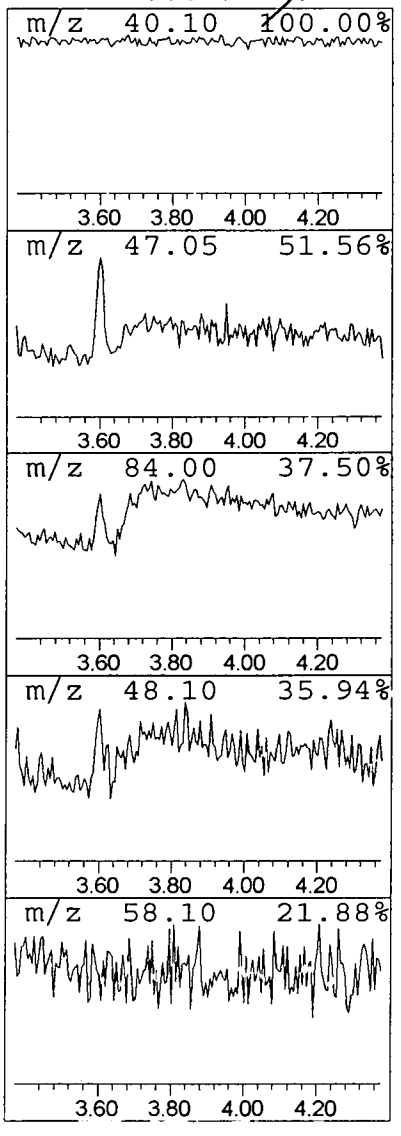
****

Peak Number 4 Methanethiol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.88	0.34 ug/L	234164	1,4-Dichlorobenzene-d4	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methanethiol	48	CH4S	000074-93-1	7
2	Methanethiol	48	CH4S	000074-93-1	7
3	Methanethiol	48	CH4S	000074-93-1	5
4	O-Methyl-hydroxylamine	47	CH5NO	1000192-49-9	3





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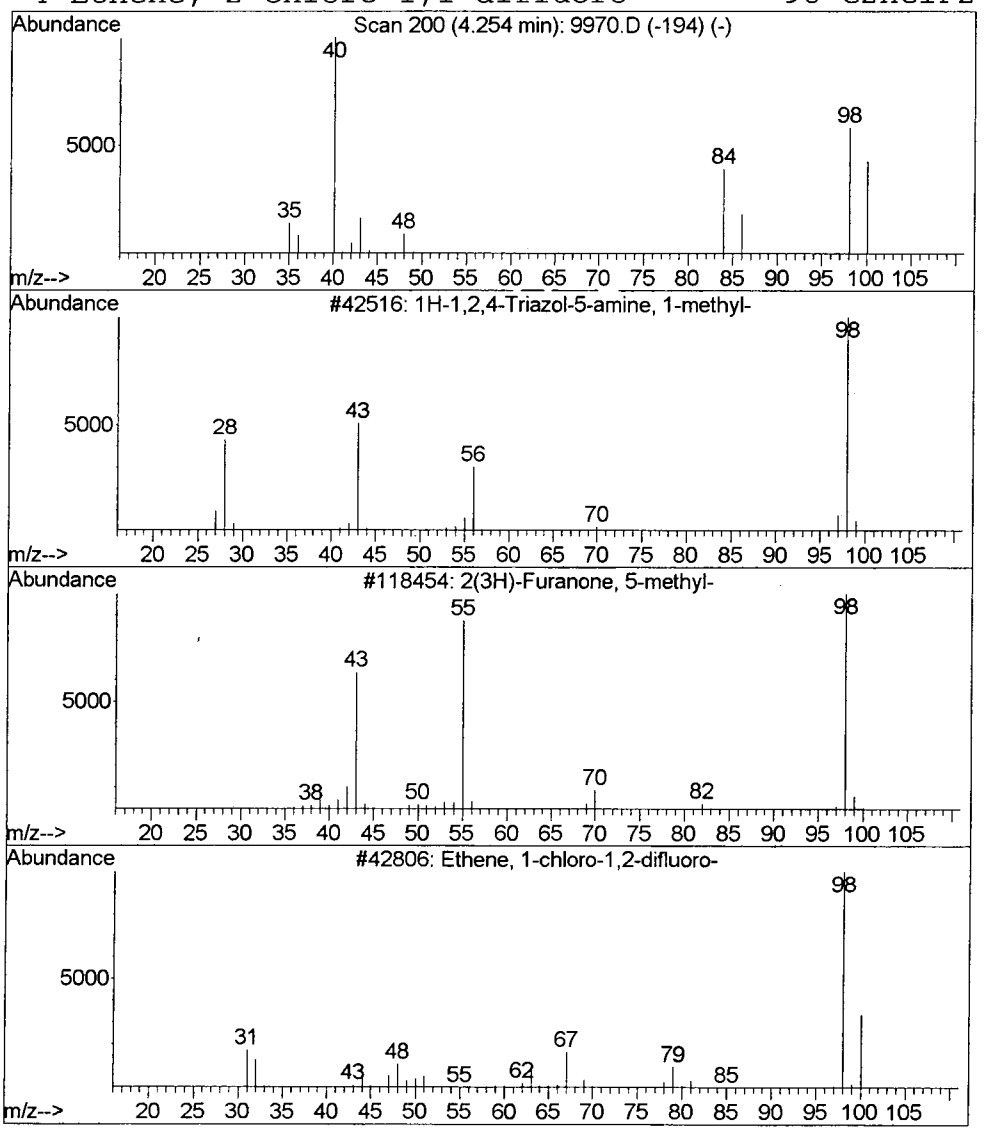
Library : C:\DATABASE\NIST98.L

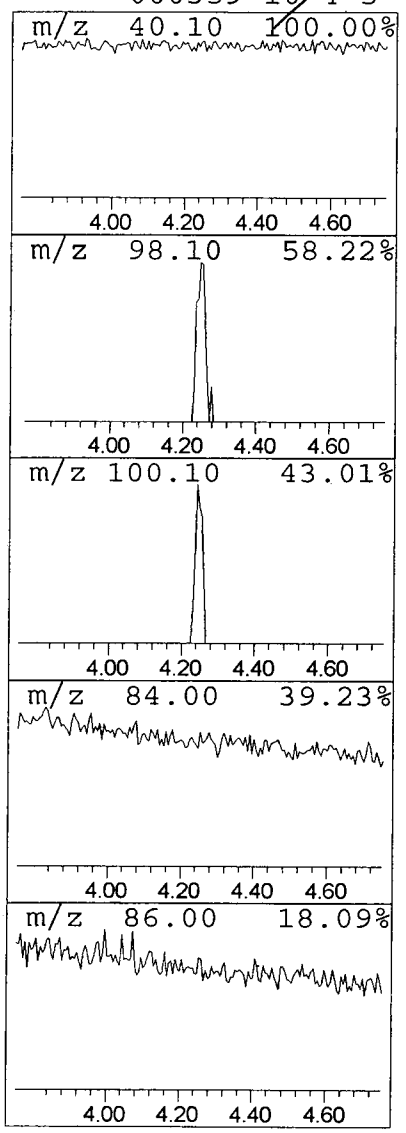
****

Peak Number 5 1H-1,2,4-Triazol-5-amine, 1... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.25	0.39 ug/L	266608	1,4-Dichlorobenzene-d4	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-1,2,4-Triazol-5-amine, 1-methyl-	98	C3H6N4	015795-39-8	5
2	2(3H)-Furanone, 5-methyl-	98	C5H6O2	000591-12-8	5
3	Ethene, 1-chloro-1,2-difluoro-	98	C2HClF2	000359-04-6	5
4	Ethene, 2-chloro-1,1-difluoro-	98	C2HClF2	000359-10-4	5





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Library : C:\DATABASE\NIST98.L

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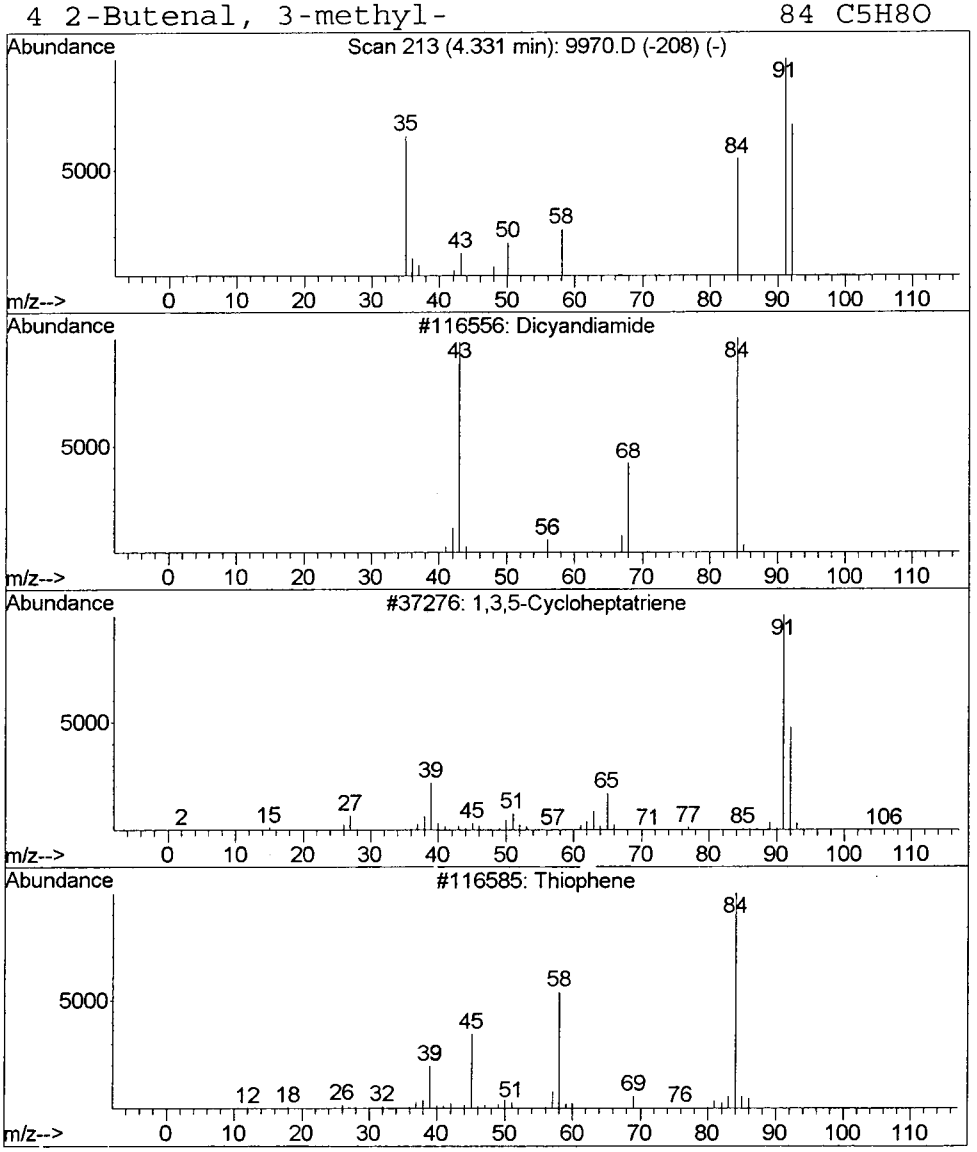
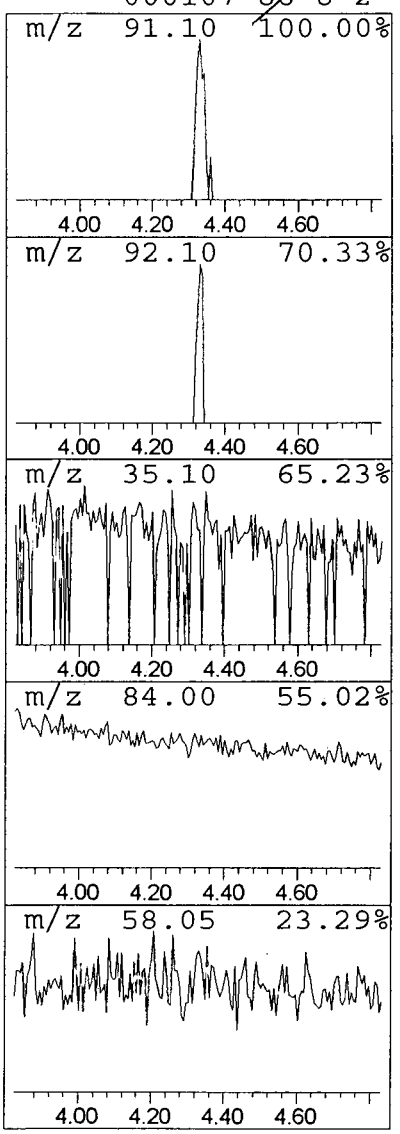
Peak Number 6 Dicyandiamide Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.33	0.28 ug/L	195181	1,4-Dichlorobenzene-d4	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dicyandiamide	84	C2H4N4	000461-58-5	4
2	1,3,5-Cycloheptatriene	92	C7H8	000544-25-2	4
3	Thiophene	84	C4H4S	000110-02-1	4
4	2-Butenal, 3-methyl-	84	C5H8O	000107-86-8	2





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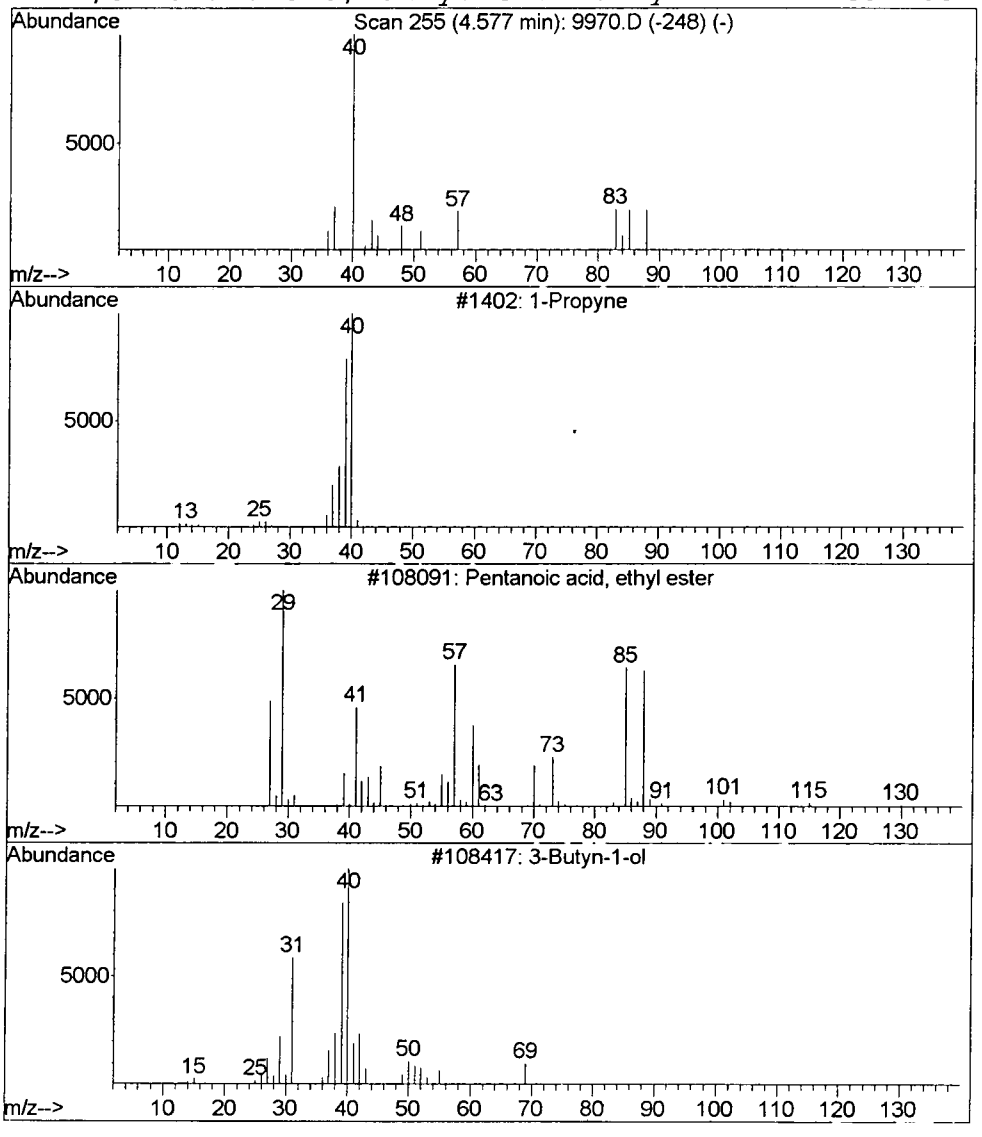
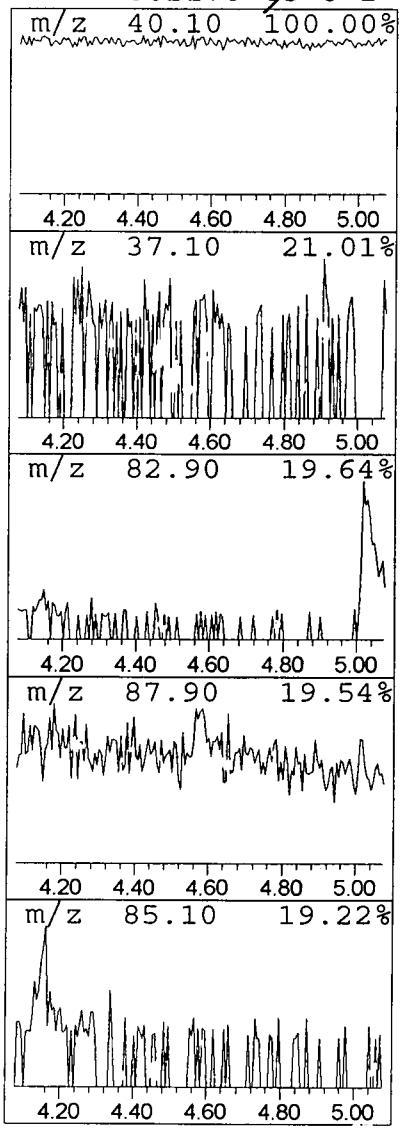
Peak Number 7 1-Propyne Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.58	0.21 ug/L	144914	1,4-Dichlorobenzene-d4	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propyne	40	C3H4	000074-99-7	9
2	Pentanoic acid, ethyl ester	130	C7H14O2	000539-82-2	4
3	3-Butyn-1-ol	70	C4H6O	000927-74-2	2
4	2,5-Furandione, dihydro-3-methyl...	112	C5H4O3	002170-03-8	2





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Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
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Library : C:\DATABASE\NIST98.L

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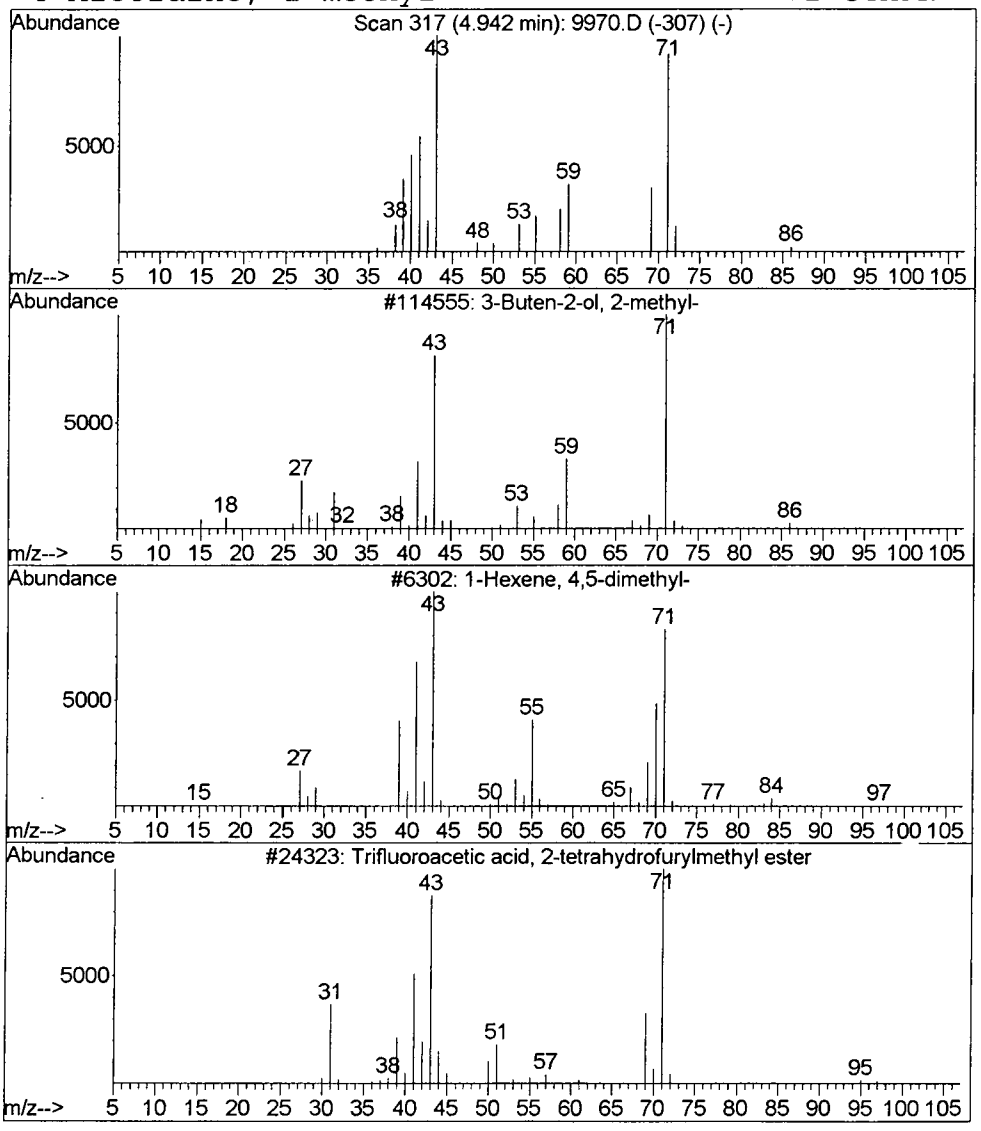
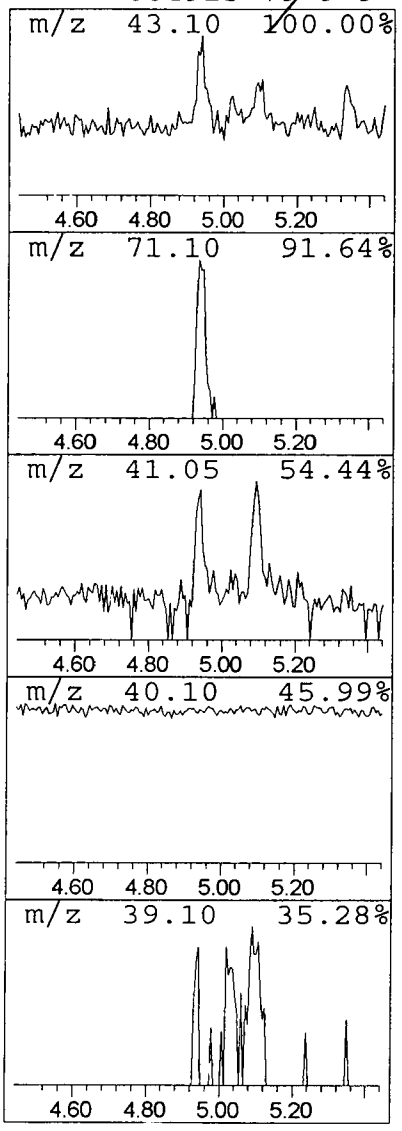
Peak Number 8 3-Buten-2-ol, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.94	0.33 ug/L	229061	1,4-Dichlorobenzene-d4	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	59
2	1-Hexene, 4,5-dimethyl-	112	C8H16	016106-59-5	33
3	Trifluoroacetic acid, 2-tetrahyd...	198	C7H9F3O3	1000216-78-4	28
4	Azetidine, 1-methyl-	71	C4H9N	004923-79-9	9





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Title : 508 Modified GC/MS scan
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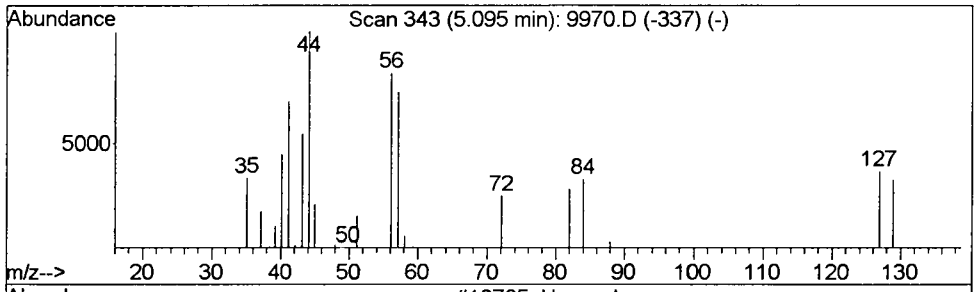
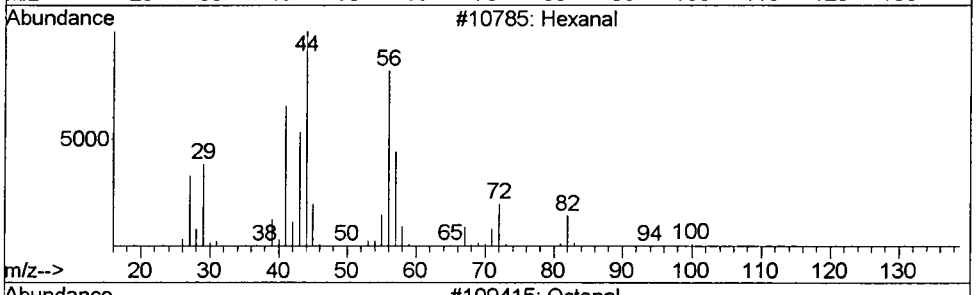
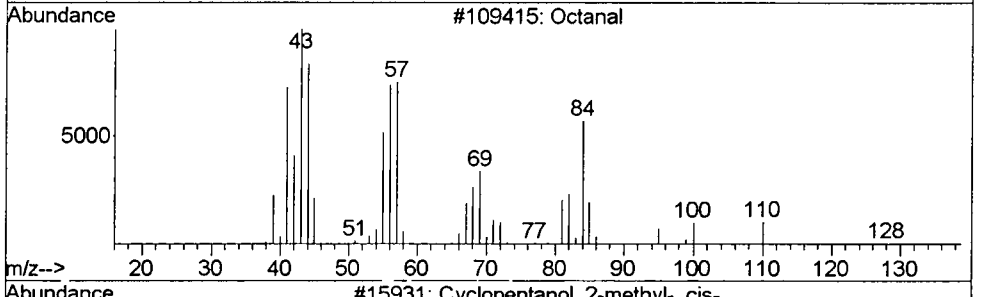
Peak Number 9 Hexanal Concentration Rank 3

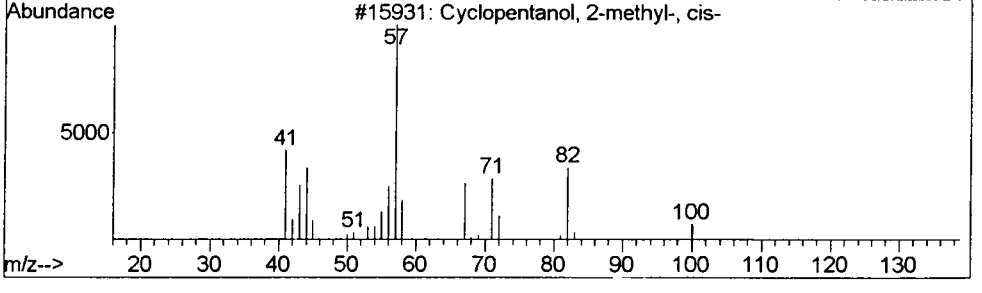
R.T.	EstConc	Area	Relative to ISTD	R.T.
5.09	0.45 ug/L	311509	1,4-Dichlorobenzene-d4	9.94

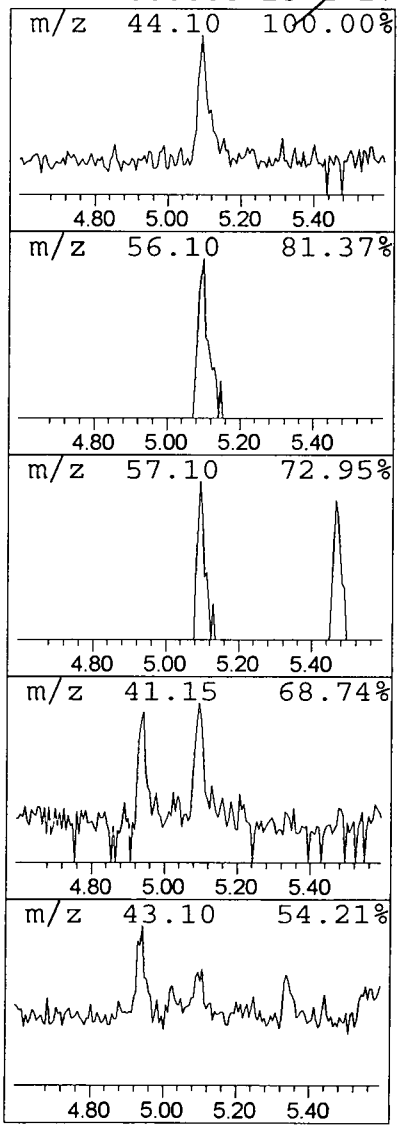
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	38
2	Octanal	128	C8H16O	000124-13-0	36
3	Cyclopentanol, 2-methyl-, cis-	100	C6H12O	025144-05-2	33
4	Hexanal	100	C6H12O	000066-25-1	27











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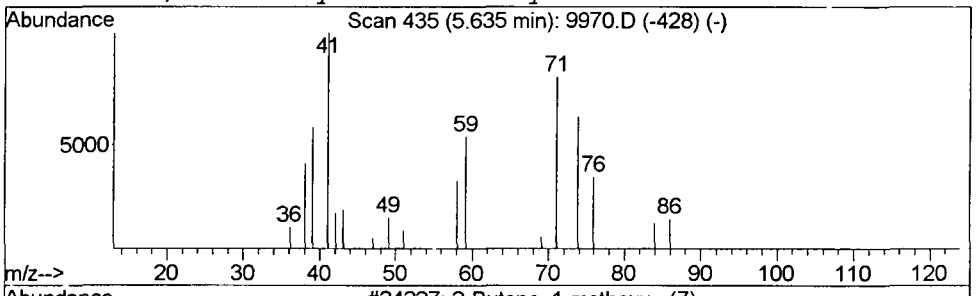
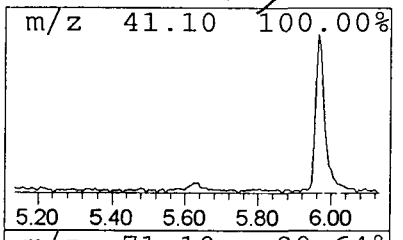
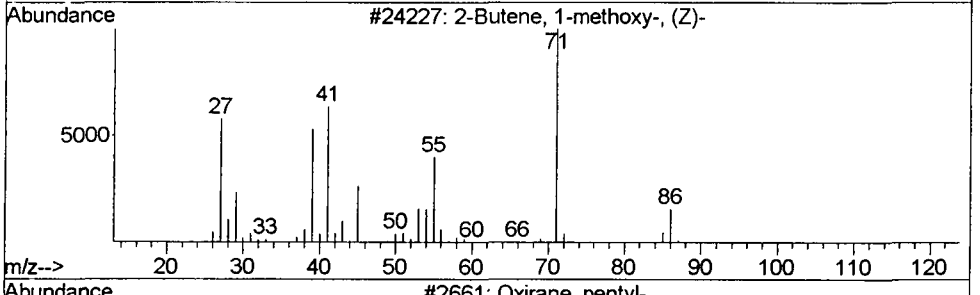
Peak Number 10 2-Butene, 1-methoxy-, (Z)- Concentration Rank 9

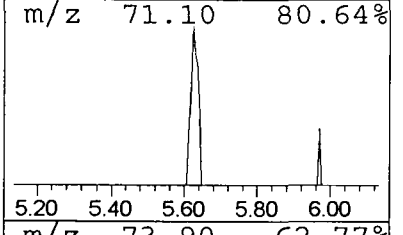
R.T.	EstConc	Area	Relative to ISTD	R.T.
5.63	0.30 ug/L	206932	1,4-Dichlorobenzene-d4	9.94

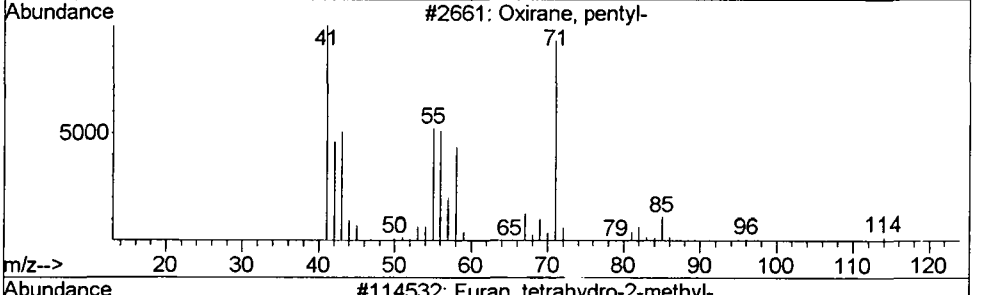
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butene, 1-methoxy-, (Z)-	86	C5H10O	010034-16-9	9
2	Oxirane, pentyl-	114	C7H14O	005063-65-0	9
3	Furan, tetrahydro-2-methyl-	86	C5H10O	000096-47-9	7
4	Furan, tetrahydro-2-methyl-	86	C5H10O	000096-47-9	7

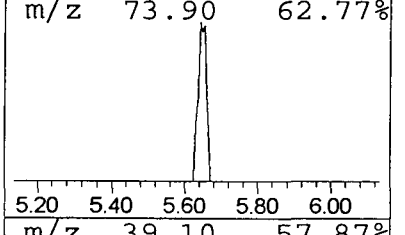


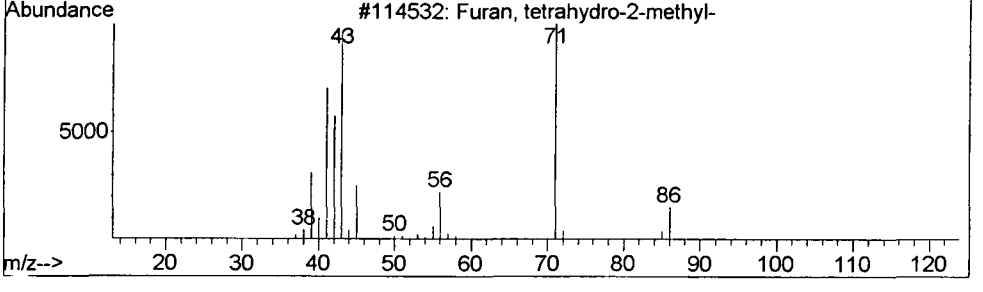


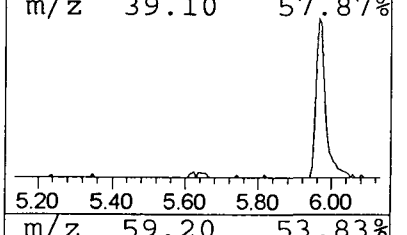


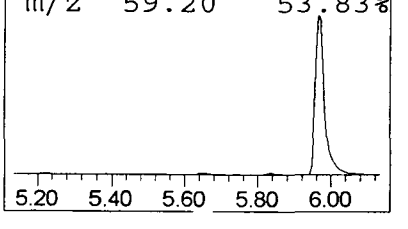












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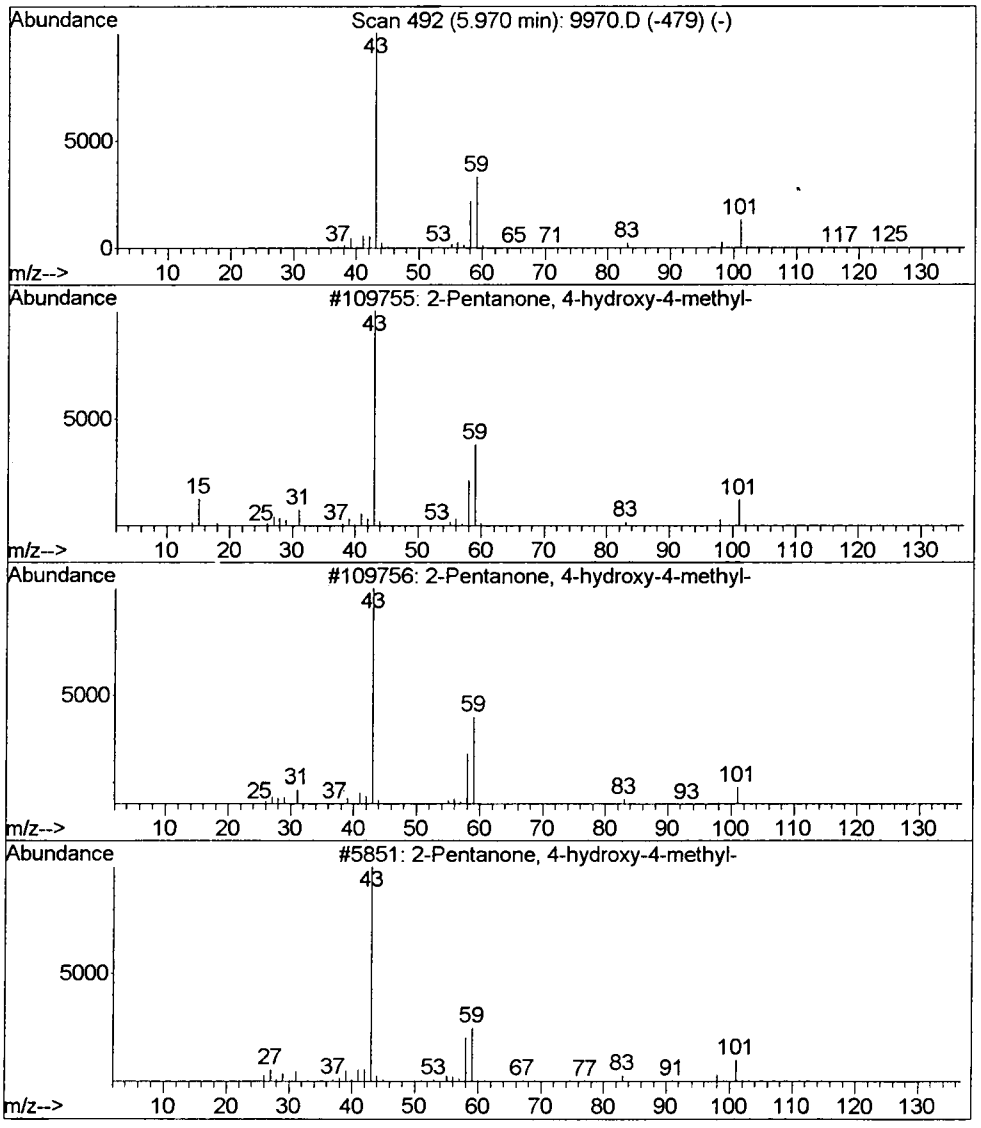
Library : C:\DATABASE\NIST98.L

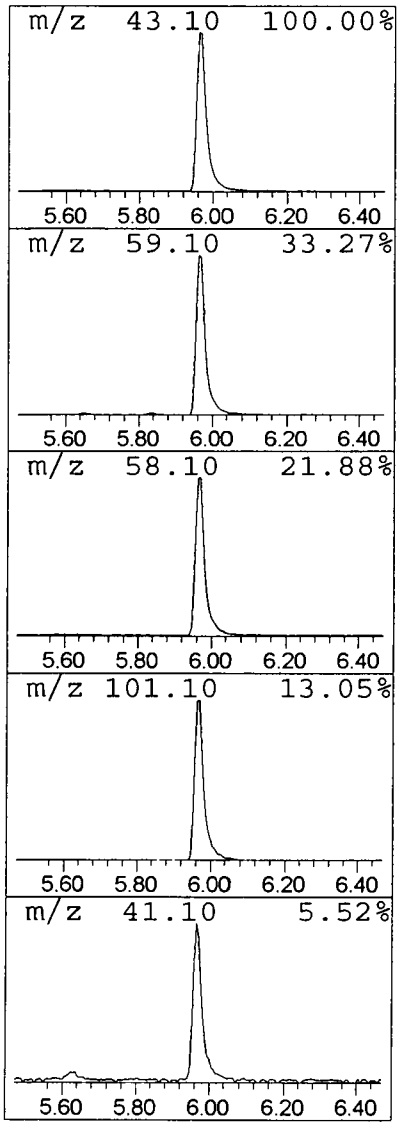
****

Peak Number 11 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.97	10.76 ug/L	7410260	1,4-Dichlorobenzene-d4	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	86
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
4	Acetone	58	C3H6O	000067-64-1	32





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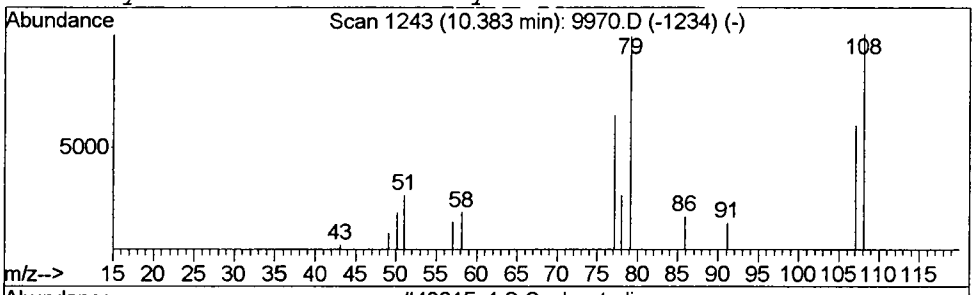
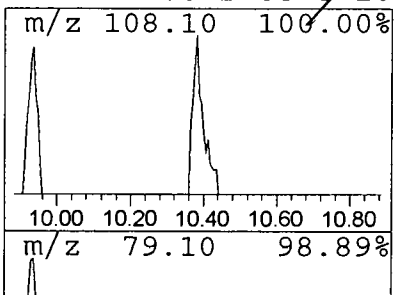
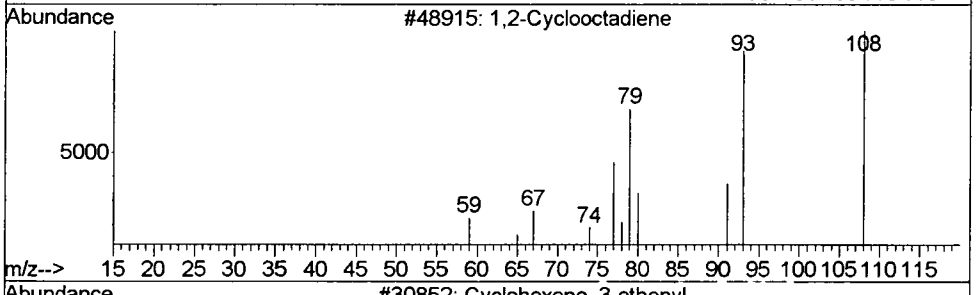
Peak Number 12 1,2-Cyclooctadiene Concentration Rank 13

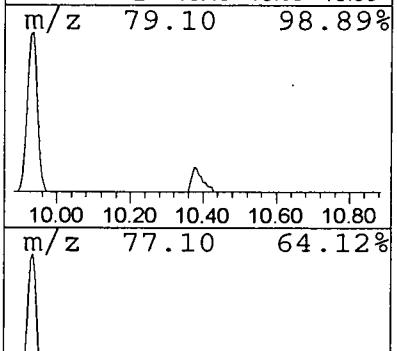
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.39	0.26 ug/L	177758	1,4-Dichlorobenzene-d4	9.94

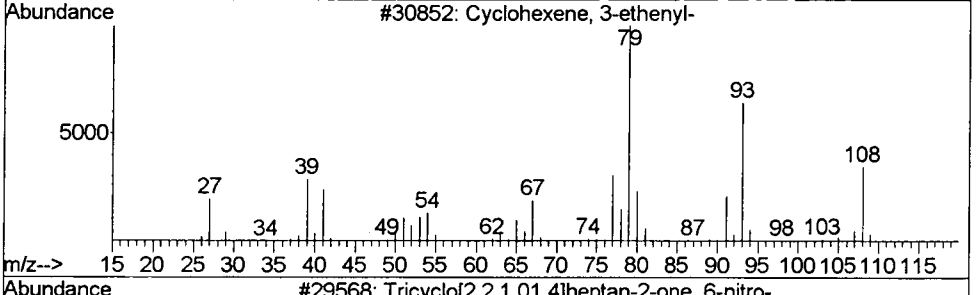
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Cyclooctadiene	108	C8H12	007124-40-5	59
2	Cyclohexene, 3-ethenyl-	108	C8H12	000766-03-0	23
3	Tricyclo[2.2.1.01,4]heptan-2-one...	153	C7H7NO3	056666-50-3	17
4	4-Pyridinecarboxaldehyde	107	C6H5NO	000872-85-5	10

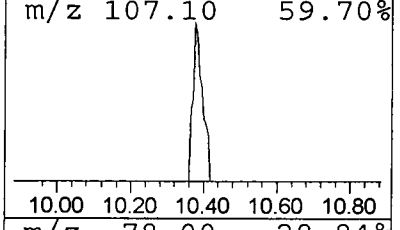


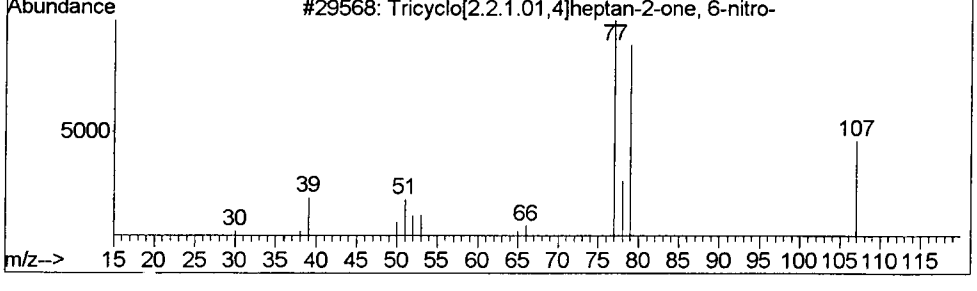


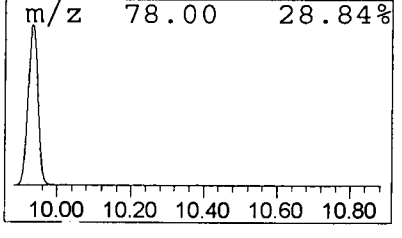












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Acq On : 7 May 2002 8:52 am Operator: Mclean
Sample : 4/25 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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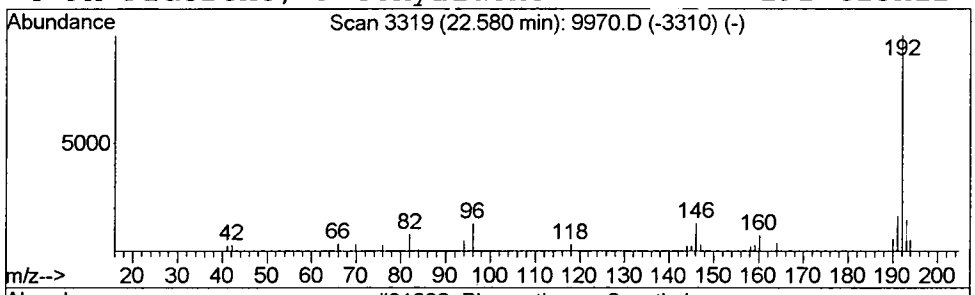
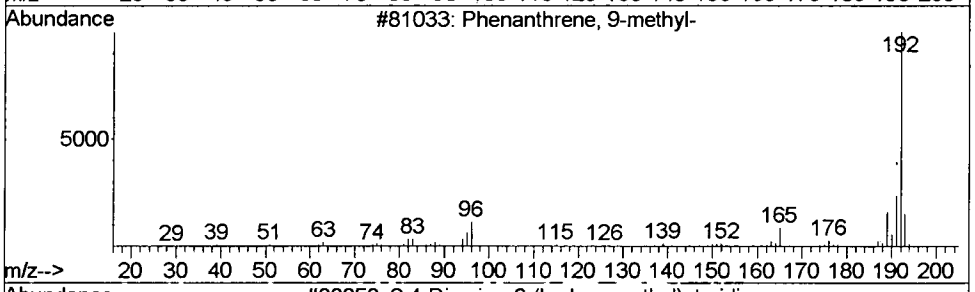
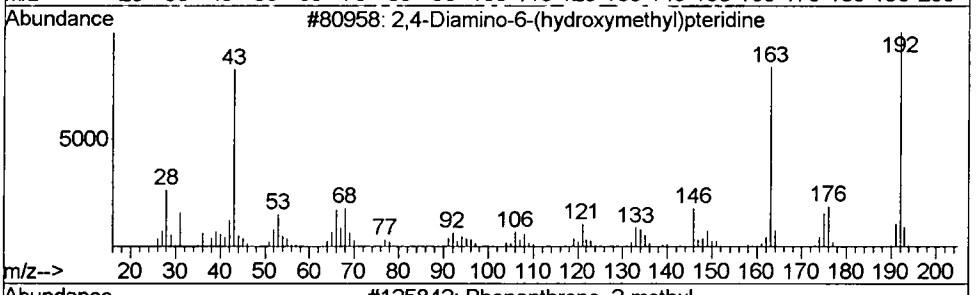
Peak Number 13 Phenanthrene, 9-methyl- Concentration Rank 8

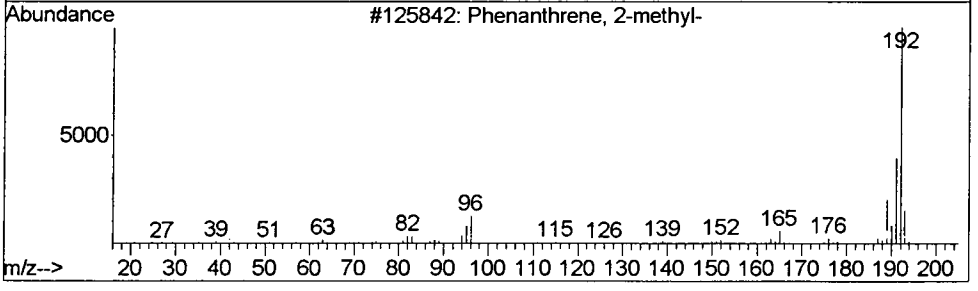
R.T.	EstConc	Area	Relative to ISTD	R.T.
22.58	0.32 ug/L	317778	Phenanthranene-d10	22.95

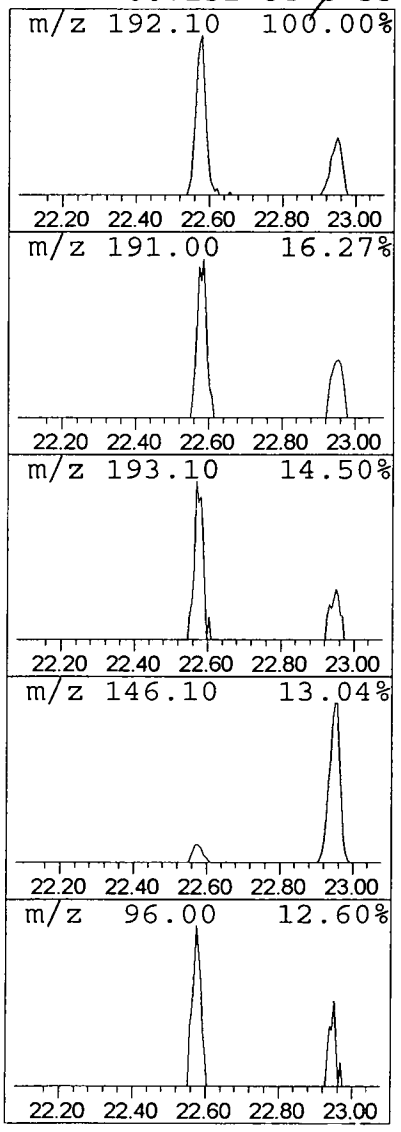
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	59
2	2,4-Diamino-6-(hydroxymethyl)pte...	192	C7H8N6O	000945-24-4	59
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	59
4	9H-Fluorene, 9-ethylidene-	192	C15H12	007151-64-6	53











Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050602\9970.D Vial: 27
Acq On : 7 May 2002 8:52 am Operator: Mclean
Sample : 4/25 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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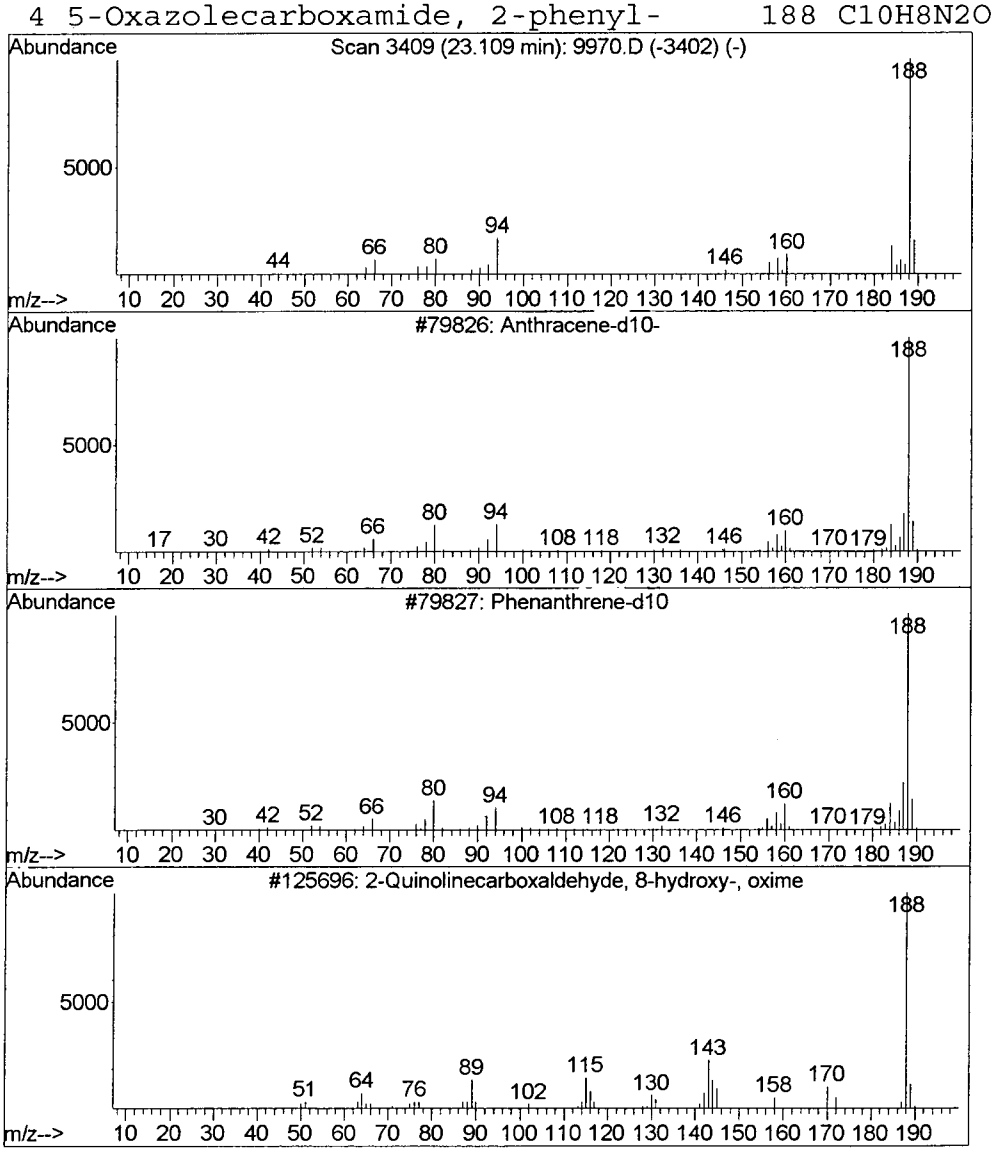
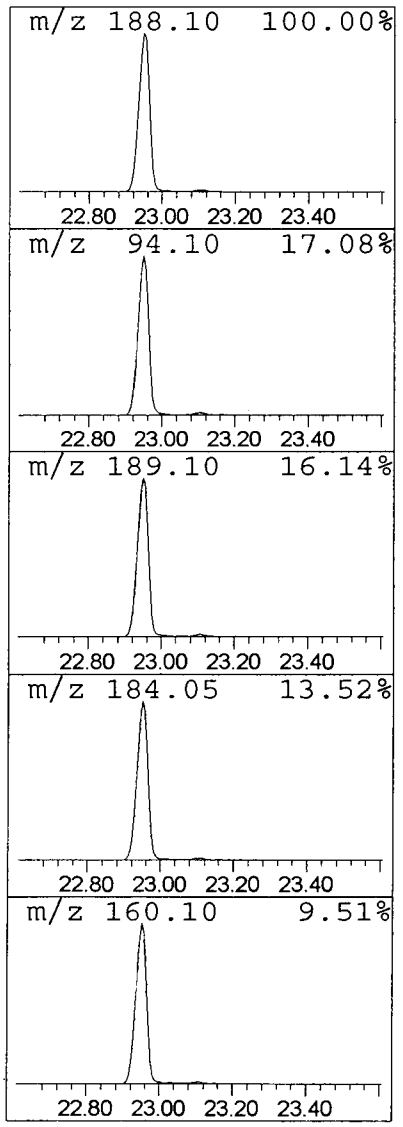
Peak Number 14 Anthracene-d10- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.11	0.44 ug/L	436384	Phenanthranene-d10	22.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene-d10-	188	C14D10	001719-06-8	91
2	Phenanthrene-d10	188	C14D10	001517-22-2	80
3	2-Quinolinecarboxaldehyde, 8-hyd...	188	C10H8N2O2	005603-22-5	40
4	5-Oxazolecarboxamide, 2-phenyl-	188	C10H8N2O2	039819-42-6	38

IS





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050602\9970.D Vial: 27
Acq On : 7 May 2002 8:52 am Operator: Mclean
Sample : 4/25 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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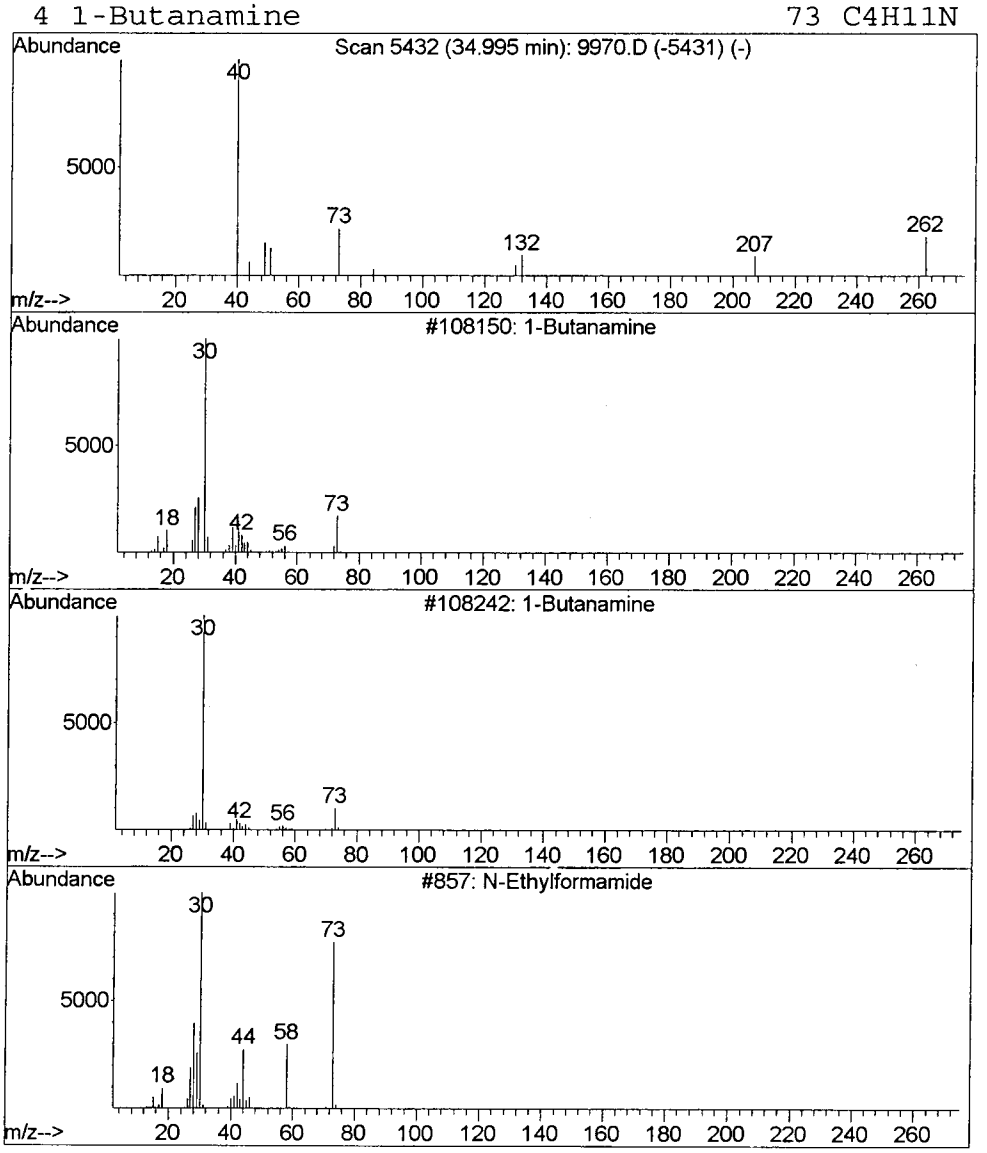
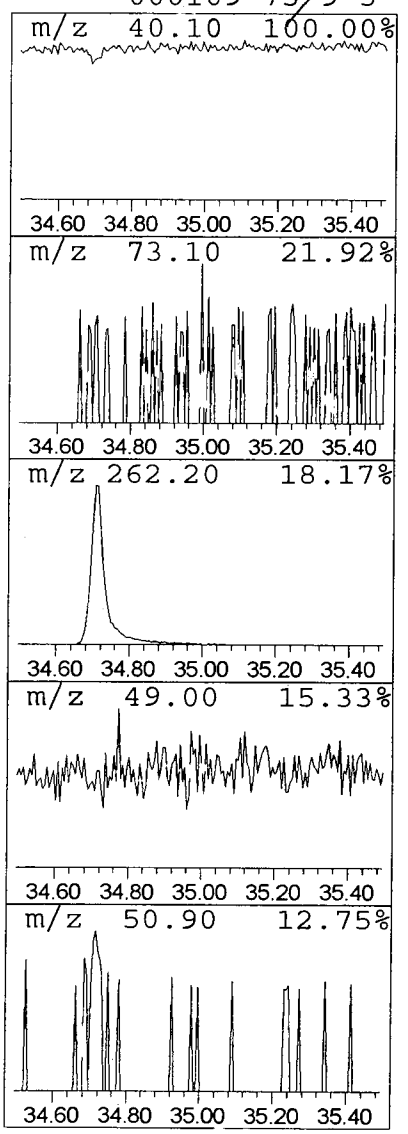
Peak Number 15 1-Butanamine Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
35.00	0.24 ug/L	143610	Perylene-d12	34.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butanamine	73	C4H11N	000109-73-9	3
2	1-Butanamine	73	C4H11N	000109-73-9	3
3	N-Ethylformamide	73	C3H7NO	000627-45-2	3
4	1-Butanamine	73	C4H11N	000109-73-9	3





Tentatively Identified Compound (LSC) summary

Operator ID: Mclean Date Acquired: 7 May 2002 8:52 am
Data File: C:\MSDCHEM\1\DATA\050602\9970.D
Name: 4/25
Misc:
Method: C:\MSDCHEM\1\METHODS\050102.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 #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc
Acetonitrile, dic...	3.60	0.3	ug/L	198741	1	9.94	27560100	40.0
Methylene Chloride	3.73	0.7	ug/L	459722	1	9.94	27560100	40.0
Ethyl Chloride	3.81	0.3	ug/L	183576	1	9.94	27560100	40.0
Methanethiol	3.88	0.3	ug/L	234164	1	9.94	27560100	40.0
1H-1,2,4-Triazol-...	4.25	0.4	ug/L	266608	1	9.94	27560100	40.0
Dicyandiamide	4.33	0.3	ug/L	195181	1	9.94	27560100	40.0
1-Propyne	4.58	0.2	ug/L	144914	1	9.94	27560100	40.0
3-Buten-2-ol, 2-m...	4.94	0.3	ug/L	229061	1	9.94	27560100	40.0
Hexanal	5.09	0.5	ug/L	311509	1	9.94	27560100	40.0
2-Butene, 1-metho...	5.63	0.3	ug/L	206932	1	9.94	27560100	40.0
2-Pentanone, 4-hy...	5.97	10.8	ug/L	7410260	1	9.94	27560100	40.0
1,2-Cyclooctadiene	10.39	0.3	ug/L	177758	1	9.94	27560100	40.0
Phenanthrene, 9-m...	22.58	0.3	ug/L	317778	4	22.95	39445400	40.0
Anthracene-d10-	23.11	0.4	ug/L	436384	4	22.95	39445400	40.0
1-Butanamine	35.00	0.2	ug/L	143610	6	34.71	24233600	40.0