User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 05/09/2002 Time: 13:53:59

Sample: AE09973
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 5/9/02 13:53 Ended: 5/9/02 13:53 Analyst: DLV
Page: 1

	Component Name	Vial	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		76		10.0

Comments for Sample AE09973 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 05-09-2002 Time: 13:54:18

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\9973.D Vial: 21
Acq On : 7 May 2002 3:59 am Operator: Mclean
Sample : 4/25 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 07 15:51:17 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	4739199	40.00	ug/L	0.00
10) Napthalene-d8	13.43	136	18575254	40.00	ug/L	0.00
17) Acenapthalene-d10	18.57	164	10199043	40.00	ug/L	0.00
29) Phenanthranene-d10	22.96	188	14662527	40.00	ug/L	0.00
37) Chrysene-d12	30.81	240	10235597	40.00	ug/L	0.00
43) Perylene-d12	34.71	264	6120432	40.00	ug/L	0.00
System Monitoring Compounds						
27) TCMX	20.54	209	484932	7.55	ug/L	0.00
Spiked Amount 10.000			Recovery = 75.50%			
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)

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Title : 508 Modified GC/MS scan
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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	60326	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	26724	N.D.	
41)	Bis(2-ethylhexyl)phthalate	31.38	149	25227	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)

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Sample : 4/25 Inst : Instrumen
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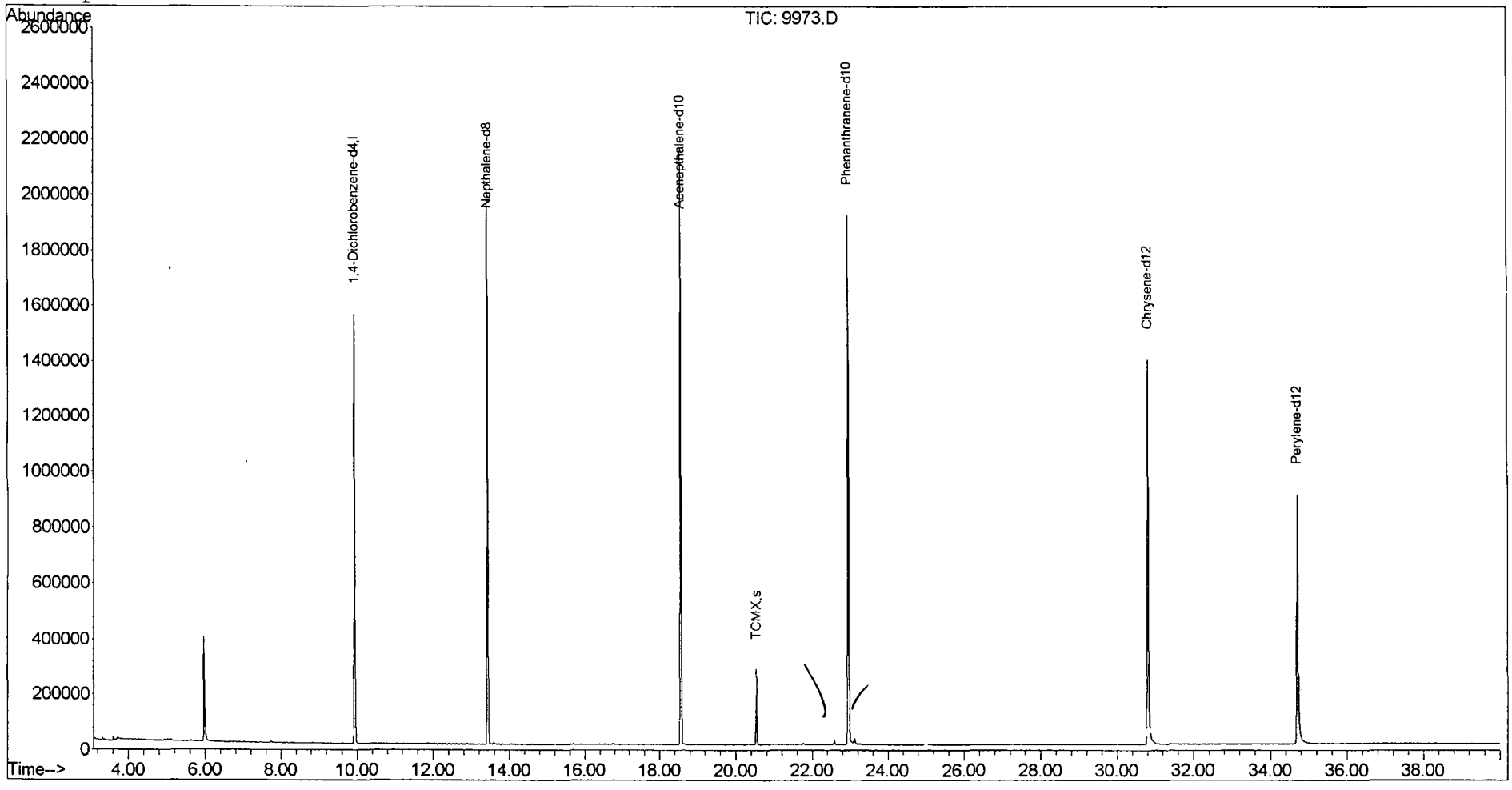
Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Tue May 07 14:35:08 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\050602\9973.D
Acq On : 7 May 2002 3:59 am
Sample : 4/25
Misc :
MS Integration Params: LSCINT.e

Vial: 21
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	17	BV 3	3742	81286	0.20%	0.036%
2	3.326	35	42	46	PV 3	8821	135151	0.33%	0.060%
3	3.373	46	50	56	VV 7	2763	60658	0.15%	0.027%
4	3.538	74	78	81	PV 4	1979	29446	0.07%	0.013%
5	3.602	85	89	97	VV 2	13657	214193	0.52%	0.096%
6	3.720	97	109	116	VV 8	10487	443028	1.07%	0.198%
7	3.779	116	119	128	VV 4	9274	309869	0.75%	0.139%
8	3.837	128	129	131	VV 2	7373	72859	0.18%	0.033%
9	3.861	131	133	137	VV 5	6893	131770	0.32%	0.059%
10	3.902	137	140	145	VV 6	7457	184499	0.44%	0.082%
11	3.943	145	147	149	VV 3	6924	90825	0.22%	0.041%
12	4.160	179	184	196	VV 9	8867	384435	0.92%	0.172%
13	4.260	196	201	204	VV 5	7190	162692	0.39%	0.073%
14	4.337	208	214	222	VV 9	7447	277339	0.67%	0.124%
15	4.948	313	318	324	VV 5	8387	200824	0.48%	0.090%
16	5.024	324	331	335	VV 7	9723	234301	0.56%	0.105%
17	5.059	335	337	339	VV 3	5493	65460	0.16%	0.029%
18	5.095	339	343	349	VV 5	10991	252067	0.61%	0.113%
19	5.212	361	363	372	VV 5	3154	97749	0.24%	0.044%
20	5.289	372	376	378	VV 3	3486	56295	0.14%	0.025%
21	5.359	383	388	391	VV 6	3767	85828	0.21%	0.038%
22	5.459	402	405	411	VV 4	3630	74876	0.18%	0.033%
23	5.512	411	414	418	VV 4	3143	53851	0.13%	0.024%
24	5.576	418	425	431	VV 6	3331	122515	0.29%	0.055%
25	5.635	431	435	442	VV 7	6195	178139	0.43%	0.080%
26	5.847	468	471	472	VV 3	3276	36062	0.09%	0.016%
27	5.864	472	474	476	VV 3	3341	31766	0.08%	0.014%
28	5.970	484	492	511	VV	381779	7321576	17.61%	3.273%
29	6.099	511	514	519	VV 3	4108	97461	0.23%	0.044%
30	6.587	594	597	599	PV 2	1950	19603	0.05%	0.009%
31	6.663	606	610	613	VV 5	1776	32446	0.08%	0.015%
32	6.693	613	615	622	VV 7	2090	34482	0.08%	0.015%
33	7.086	677	682	691	VV 5	2049	48424	0.12%	0.022%
34	7.163	691	695	696	PV 3	2260	27572	0.07%	0.012%
35	7.180	696	698	702	VV 5	2337	26215	0.06%	0.012%
36	7.451	739	744	746	VV 5	2020	30645	0.07%	0.014%
37	7.698	783	786	788	PV 3	2007	19633	0.05%	0.009%

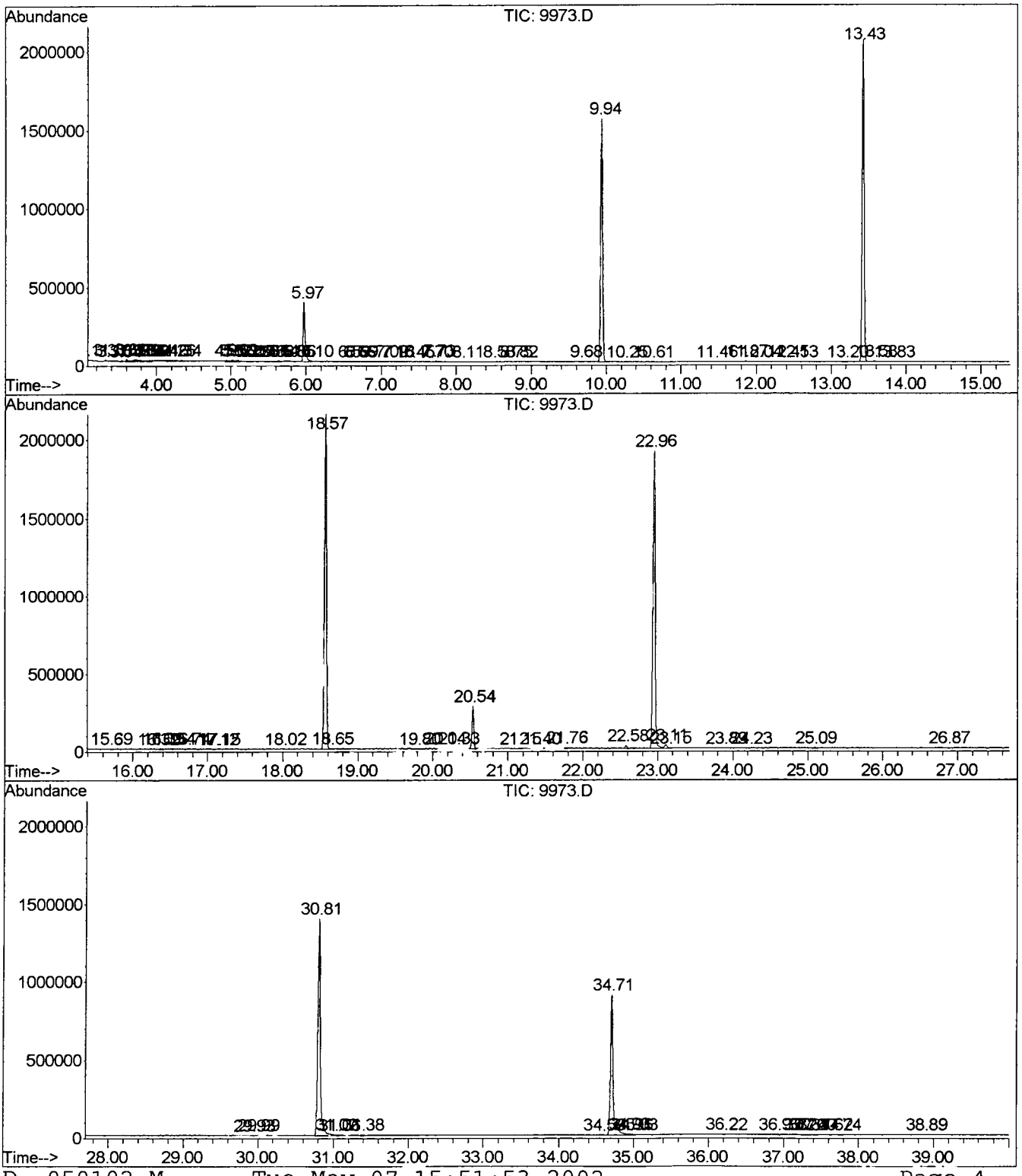
38	7.733	788	792	809	VV	5	6471	186279	0.45%	0.083%
39	8.115	843	857	859	VV	6	1940	52376	0.13%	0.023%
40	8.526	916	927	931	VV	6	1877	45203	0.11%	0.020%
41	8.749	961	965	969	VV	4	1919	36533	0.09%	0.016%
42	8.826	973	978	981	VV	5	2966	55915	0.13%	0.025%
43	9.683	1117	1124	1128	VV	4	2101	55697	0.13%	0.025%
44	9.936	1159	1167	1186	VV		1518257	28375274	68.26%	12.685%
45	10.253	1218	1221	1230	VV	5	2287	53454	0.13%	0.024%
46	10.612	1279	1282	1285	VV	2	1721	17708	0.04%	0.008%
47	11.458	1423	1426	1427	VV	2	1890	18326	0.04%	0.008%
48	11.863	1491	1495	1504	VV	4	4915	86797	0.21%	0.039%
49	12.040	1521	1525	1534	VV	4	2268	53145	0.13%	0.024%
50	12.410	1582	1588	1592	VV	4	2858	51834	0.12%	0.023%
51	12.527	1605	1608	1616	VV	7	2538	53154	0.13%	0.024%
52	13.203	1714	1723	1726	PV	3	2098	50392	0.12%	0.023%
53	13.432	1749	1762	1777	VV		2053476	38029581	91.49%	17.000%
54	13.585	1777	1788	1794	VV	2	7287	163703	0.39%	0.073%
55	13.832	1821	1830	1833	PV	4	1652	21984	0.05%	0.010%
56	15.694	2143	2147	2156	VV	6	2129	45658	0.11%	0.020%
57	16.323	2252	2254	2255	PV		1792	11121	0.03%	0.005%
58	16.387	2259	2265	2271	VV	4	2298	45768	0.11%	0.020%
59	16.540	2287	2291	2297	VV	5	2883	58409	0.14%	0.026%
60	16.740	2315	2325	2347	PV	6	4879	184649	0.44%	0.083%
61	17.116	2386	2389	2391	PV		1673	13742	0.03%	0.006%
62	17.145	2391	2394	2402	VV	3	1859	36566	0.09%	0.016%
63	18.015	2540	2542	2548	VV		1310	14585	0.04%	0.007%
64	18.567	2625	2636	2648	PV		2119983	41566480	100.00%	18.582%
65	18.650	2648	2650	2656	VV	5	2597	50947	0.12%	0.023%
66	19.801	2842	2846	2849	VV		1876	20011	0.05%	0.009%
67	20.142	2900	2904	2912	VV	2	3363	67066	0.16%	0.030%
68	20.330	2929	2936	2942	VV	4	3403	72213	0.17%	0.032%
69	20.536	2950	2971	2981	VV		265459	4734821	11.39%	2.117%
70	21.147	3072	3075	3083	PV	2	1795	34360	0.08%	0.015%
71	21.405	3108	3119	3123	VV	4	2108	53979	0.13%	0.024%
72	21.764	3174	3180	3185	VV	5	5468	105887	0.25%	0.047%
73	22.580	3311	3319	3326	VV	2	18507	339201	0.82%	0.152%
74	22.956	3368	3383	3403	VV	2	1901311	40118349	96.52%	17.934%
75	23.109	3403	3409	3416	VV	3	22931	538533	1.30%	0.241%
76	23.156	3416	3417	3424	VV	3	4221	104615	0.25%	0.047%
77	23.891	3533	3542	3546	VV	5	1951	51787	0.12%	0.023%
78	24.226	3596	3599	3601	VV		1845	17924	0.04%	0.008%
79	25.089	3739	3746	3755	VV	3	4827	125669	0.30%	0.056%
80	26.870	4047	4049	4054	VV		1908	21234	0.05%	0.009%
81	29.937	4563	4571	4576	PV		1658	46662	0.11%	0.021%
82	29.989	4576	4580	4582	VV		1933	30297	0.07%	0.014%
83	30.806	4707	4719	4754	VV	2	1368450	31947415	76.86%	14.281%
84	31.024	4754	4756	4761	VV	4	4912	106329	0.26%	0.048%
85	31.065	4761	4763	4766	VV	3	4247	78254	0.19%	0.035%
86	31.382	4810	4817	4826	VV	5	5111	163577	0.39%	0.073%
87	34.590	5360	5363	5365	VV	2	2168	24928	0.06%	0.011%

88	34.708	5370	5383	5419	VV	2	901579	22597785	54.37%	10.102%
89	34.925	5419	5420	5425	VV	5	7405	161242	0.39%	0.072%
90	34.966	5425	5427	5436	VV	6	6417	211125	0.51%	0.094%
91	35.031	5436	5438	5440	VV	2	5297	57064	0.14%	0.026%
92	36.218	5636	5640	5643	VV	4	4110	81729	0.20%	0.037%
93	36.923	5757	5760	5766	VV	3	3809	92493	0.22%	0.041%
94	37.258	5810	5817	5825	VV	4	3912	134876	0.32%	0.060%
95	37.316	5825	5827	5830	VV	3	3343	58056	0.14%	0.026%
96	37.399	5839	5841	5843	VV	2	3568	43651	0.11%	0.020%
97	37.440	5843	5848	5850	VV	3	3742	80404	0.19%	0.036%
98	37.622	5877	5879	5882	VV		3475	50078	0.12%	0.022%
99	37.739	5896	5899	5909	VB	3	3663	126494	0.30%	0.057%
100	38.891	6093	6095	6108	VV	5	1456	38760	0.09%	0.017%

Sum of corrected areas: 223697987

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\050602\9973.D
Operator : Mclean
Acquired : 7 May 2002 3:59 am using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: 4/25
Misc Info :
Vial Number: 21
Quant File :050102.RES (Chemstation Integrator)



Library Search Compound Report

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Acq On : 7 May 2002 3:59 am
Sample : 4/25
Misc :
MS Integration Params: LSCINT.e

Vial: 21
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

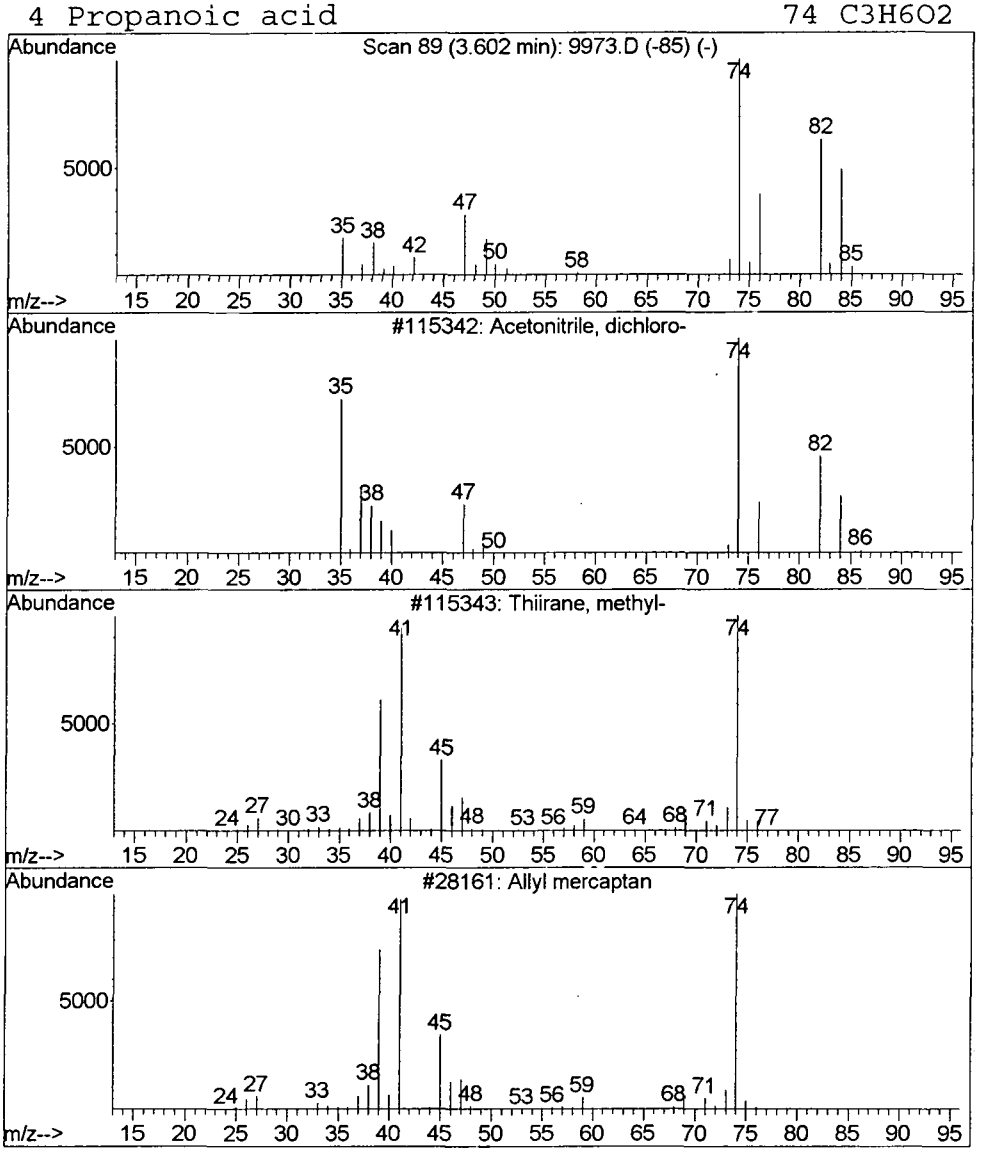
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

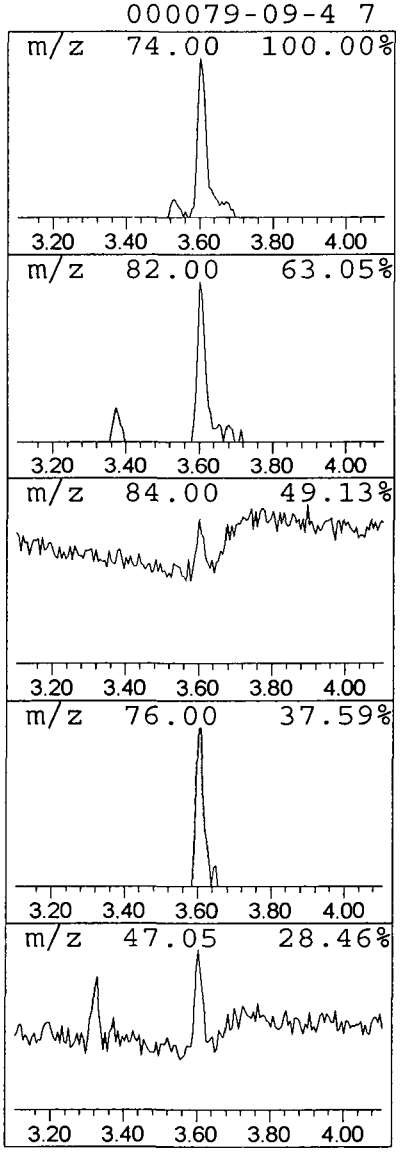
****

Peak Number 1 Acetonitrile, dichloro- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.61	0.30 ug/L	214193	1,4-Dichlorobenzene-d4	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	38
2	Thiirane, methyl-	74	C3H6S	001072-43-1	9
3	Allyl mercaptan	74	C3H6S	000870-23-5	9
4	Propanoic acid	74	C3H6O2	000079-09-4	7





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050602\9973.D Vial: 21
Acq On : 7 May 2002 3:59 am Operator: Mclean
Sample : 4/25 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

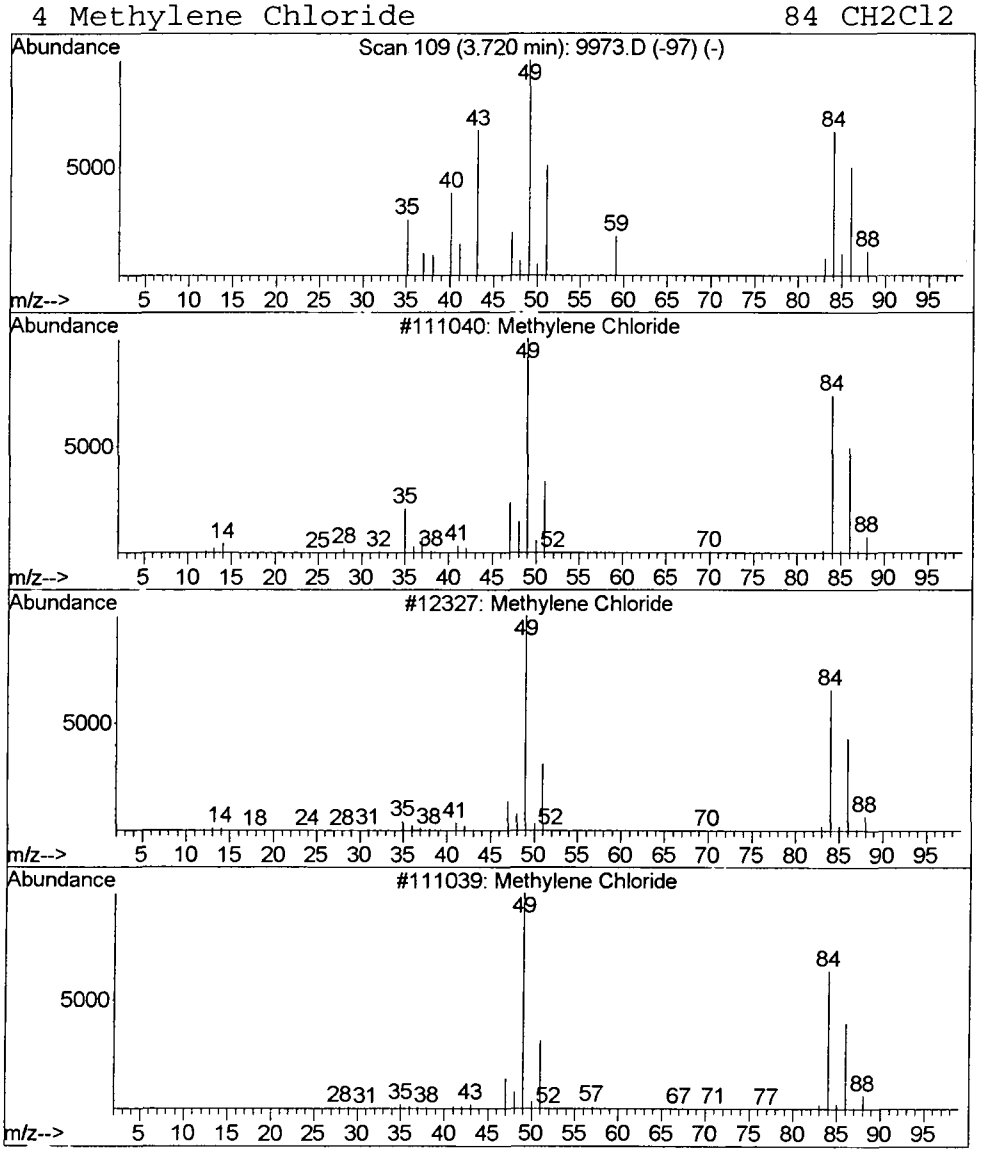
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

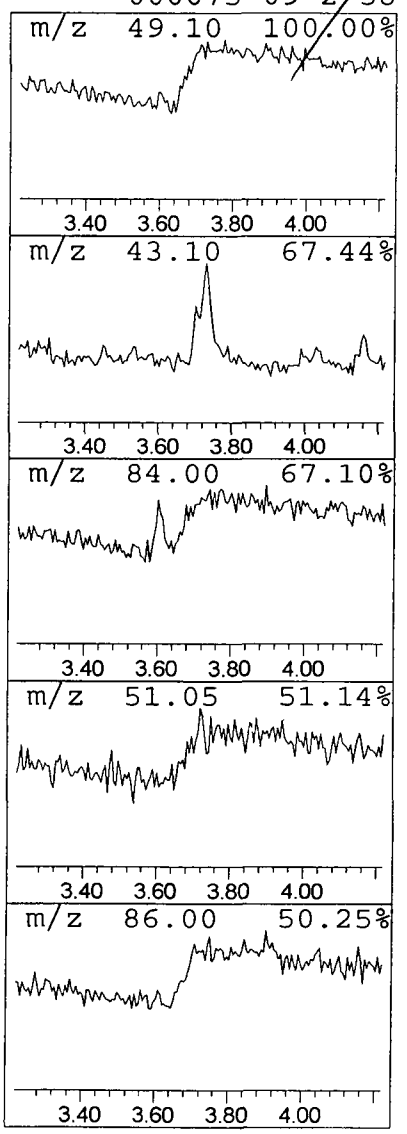
****

Peak Number 2 Methylene Chloride Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.72	0.62 ug/L	443028	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	64
3	Methylene Chloride	84	CH2Cl2	000075-09-2	64
4	Methylene Chloride	84	CH2Cl2	000075-09-2	58





Library Search Compound Report

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Acq On : 7 May 2002 3:59 am Operator: Mclean
Sample : 4/25 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

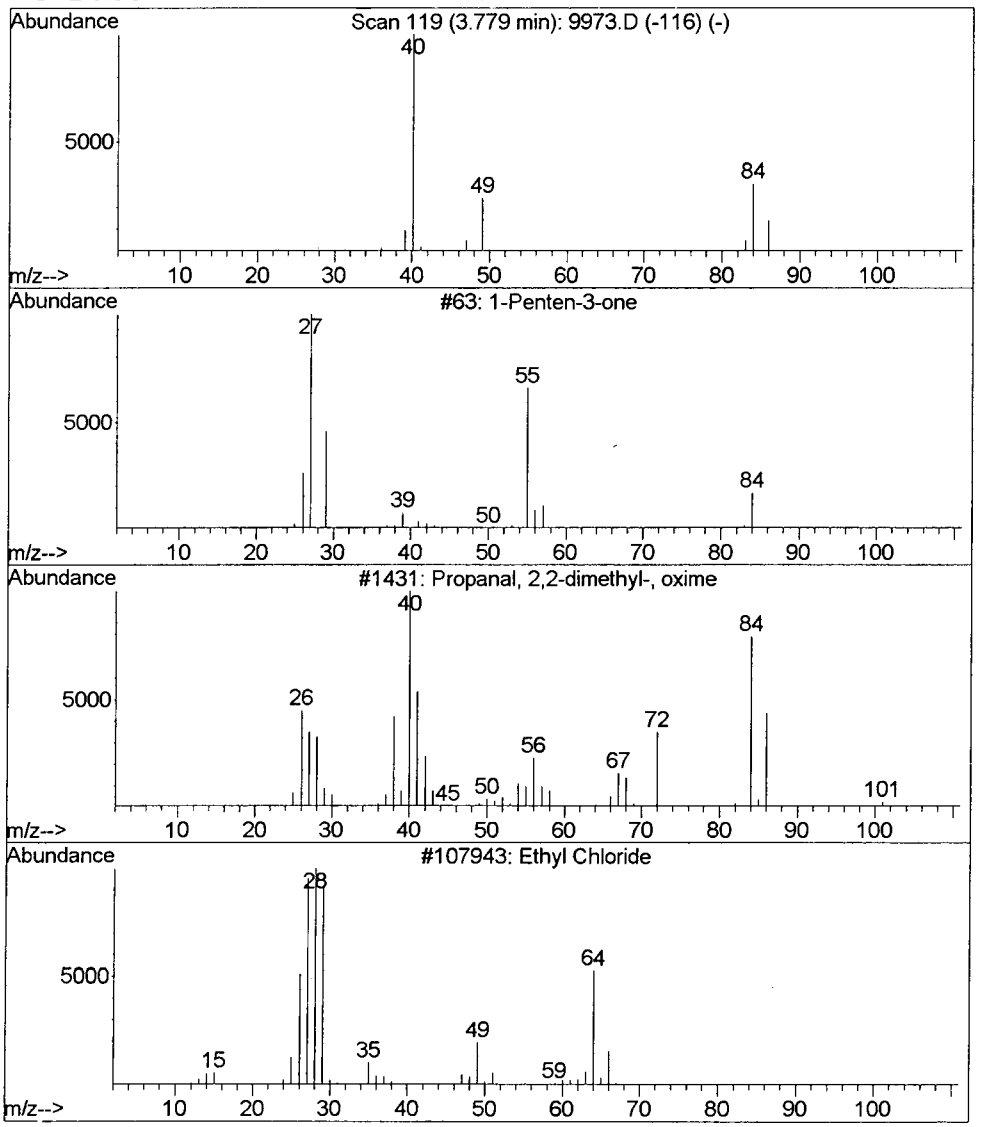
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

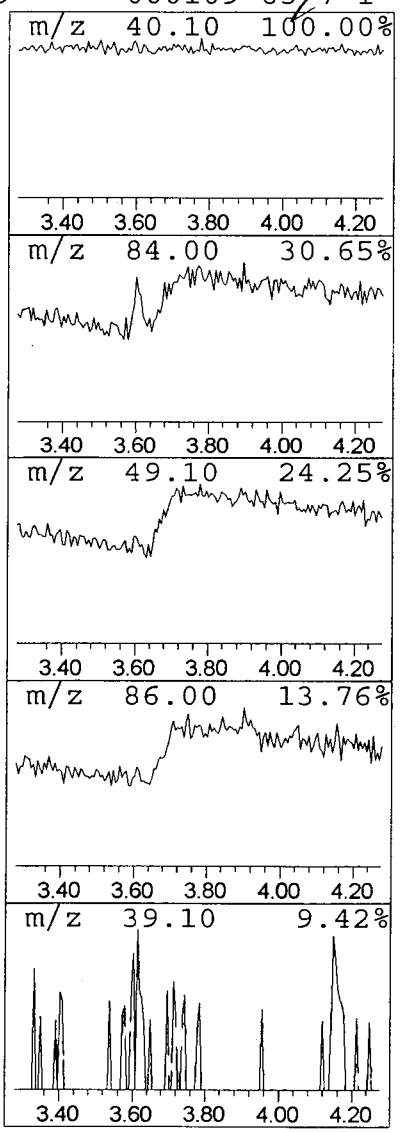
****

Peak Number 3 1-Penten-3-one Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.78	0.44 ug/L	309869	1,4-Dichlorobenzene-d4	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Penten-3-one	84	C5H8O	001629-58-9	3
2	Propanal, 2,2-dimethyl-, oxime	101	C5H11NO	000637-91-2	2
3	Ethyl Chloride	64	C2H5Cl	000075-00-3	2
4	Boron trifluoride etherate	142	C4H10BF3O	000109-63-7	1





Library Search Compound Report

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Acq On : 7 May 2002 3:59 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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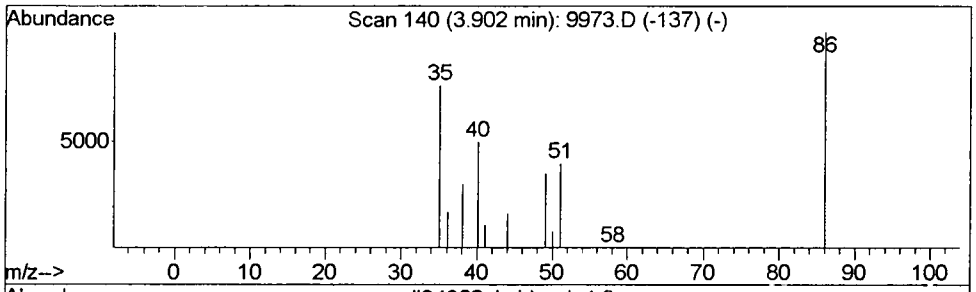
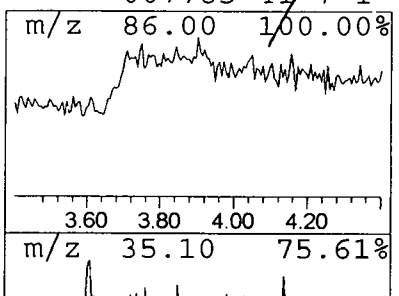
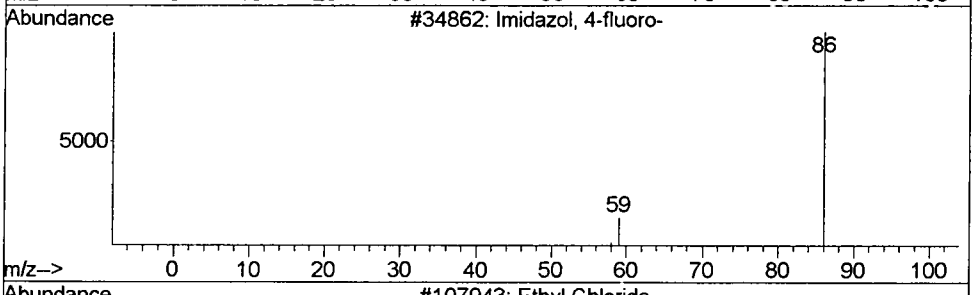
Peak Number 4 Imidazol, 4-fluoro- Concentration Rank 15

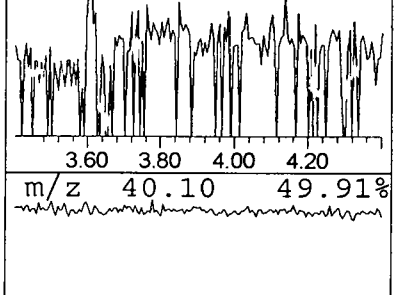
R.T.	EstConc	Area	Relative to ISTD	R.T.
3.90	0.26 ug/L	184499	1,4-Dichlorobenzene-d4	9.94

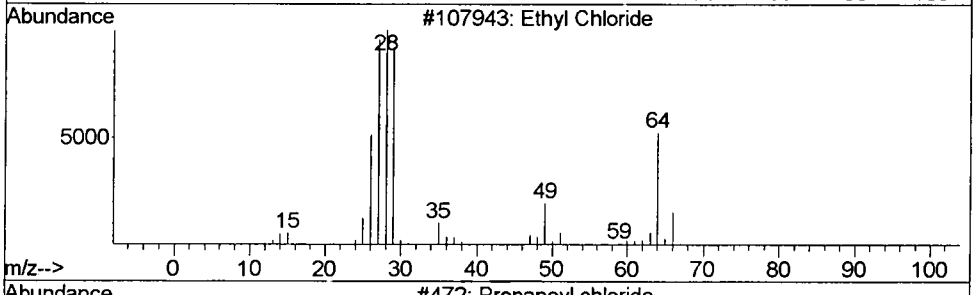
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Imidazol, 4-fluoro-	86	C3H3FN2	030086-17-0	2
2	Ethyl Chloride	64	C2H5Cl	000075-00-3	1
3	Propanoyl chloride	92	C3H5ClO	000079-03-8	1
4	Difluorine monoxide	54	F2O	007783-41-7	1

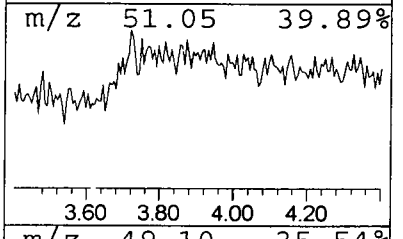


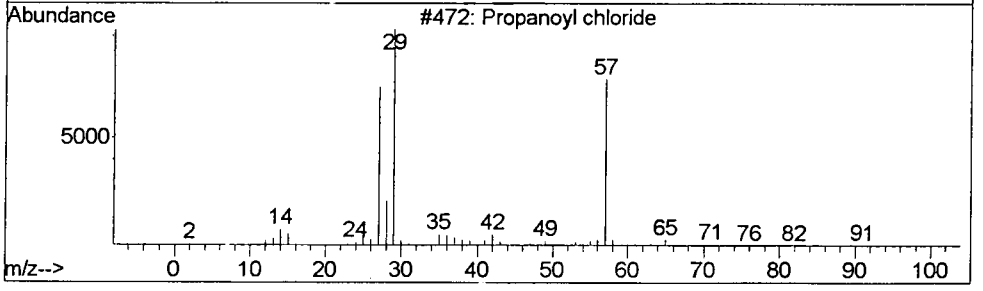


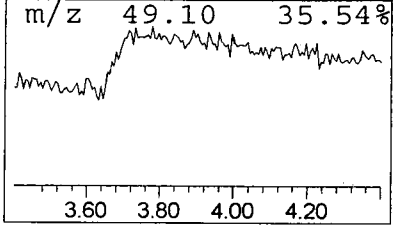












Library Search Compound Report

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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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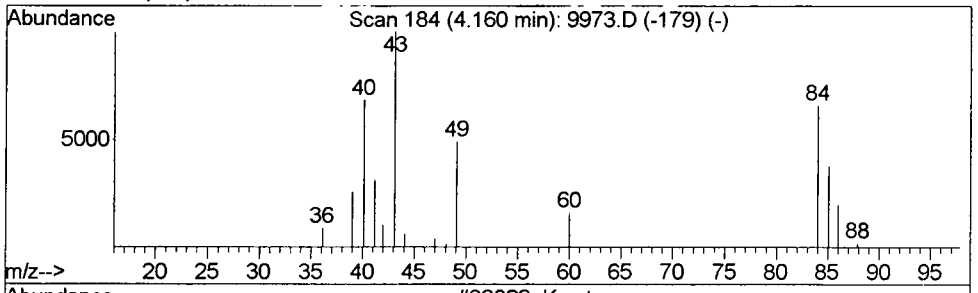
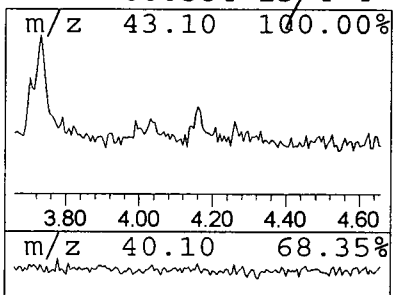
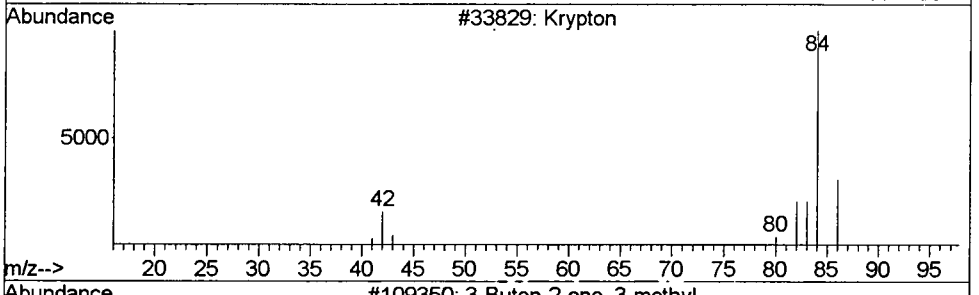
Peak Number 5 Krypton Concentration Rank 3

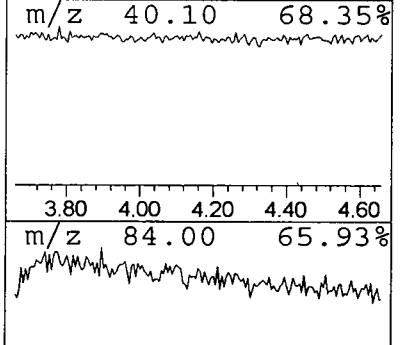
R.T.	EstConc	Area	Relative to ISTD	R.T.
4.16	0.54 ug/L	384435	1,4-Dichlorobenzene-d4	9.94

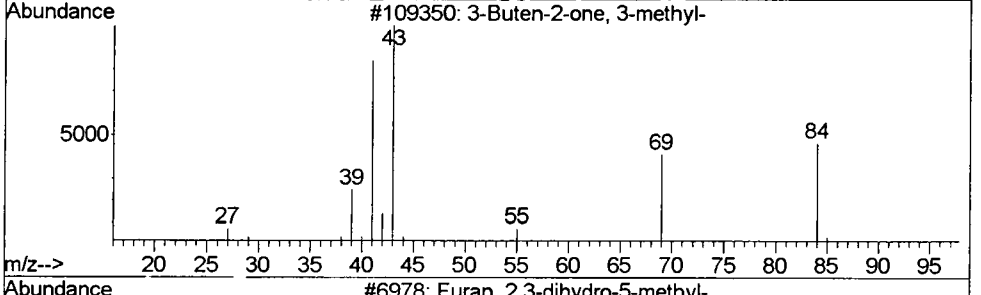
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Krypton	84	Kr	007439-90-9	9
2	3-Buten-2-one, 3-methyl-	84	C5H8O	000814-78-8	9
3	Furan, 2,3-dihydro-5-methyl-	84	C5H8O	001487-15-6	5
4	4H-1,2,4-Triazol-4-amine	84	C2H4N4	000584-13-4	4

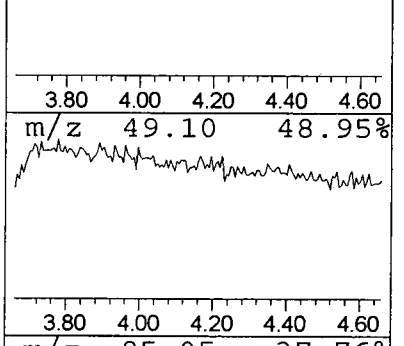


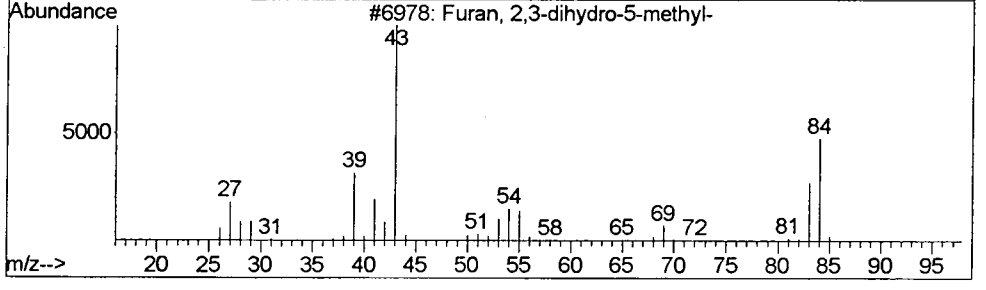












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Misc : Multiplr: 1.00
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Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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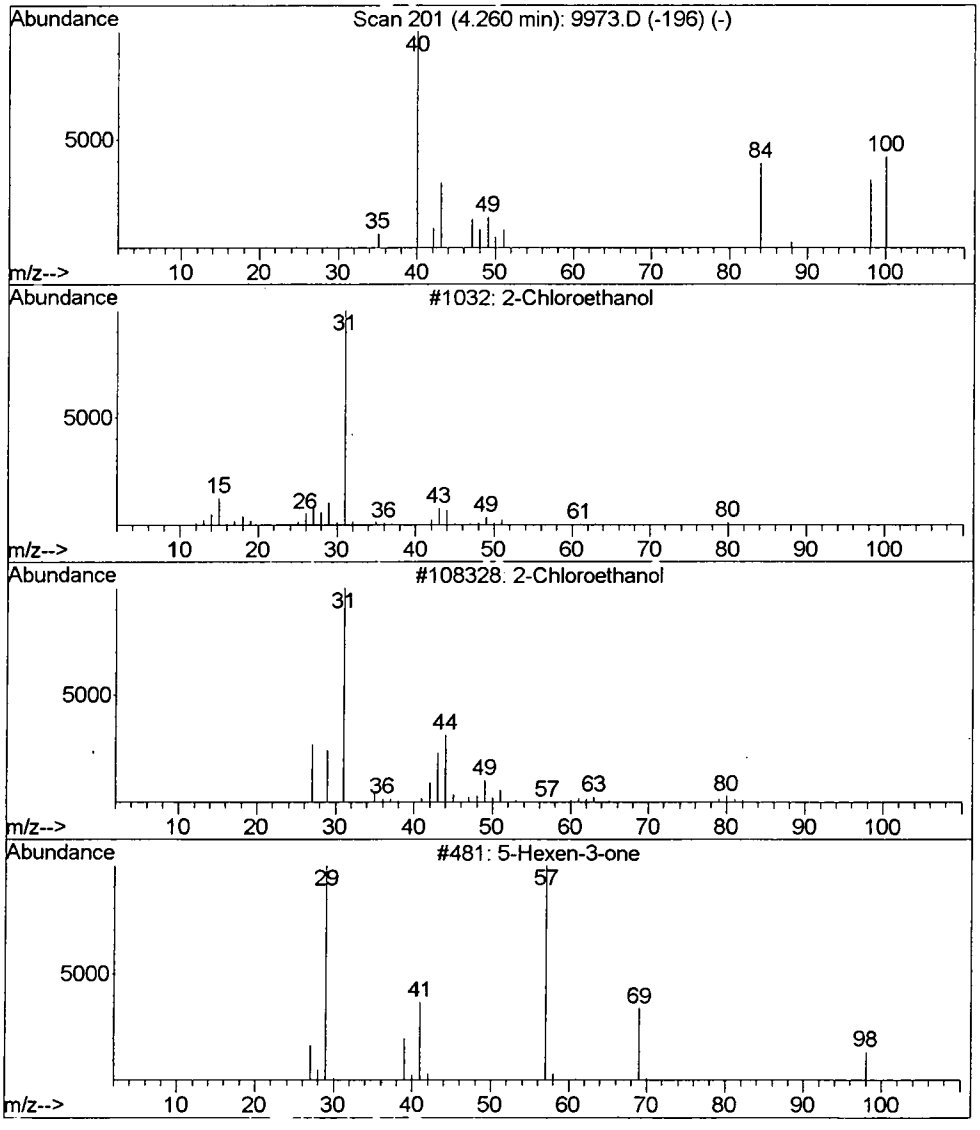
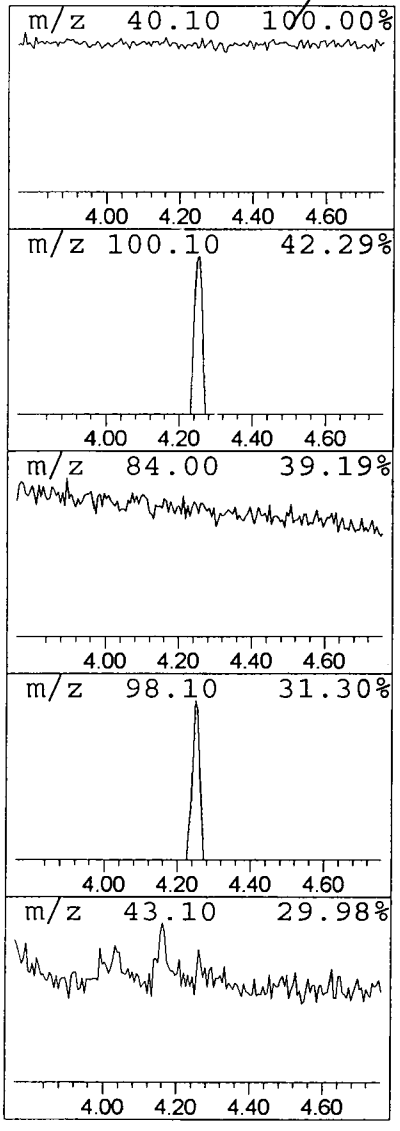
Peak Number 6 2-Chloroethanol Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.26	0.23 ug/L	162692	1,4-Dichlorobenzene-d4	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Chloroethanol	80	C2H5ClO	000107-07-3	4
2	2-Chloroethanol	80	C2H5ClO	000107-07-3	4
3	5-Hexen-3-one	98	C6H10O	024253-30-3	3
4	1-Penten-3-one	84	C5H8O	001629-58-9	3





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Library : C:\DATABASE\NIST98.L

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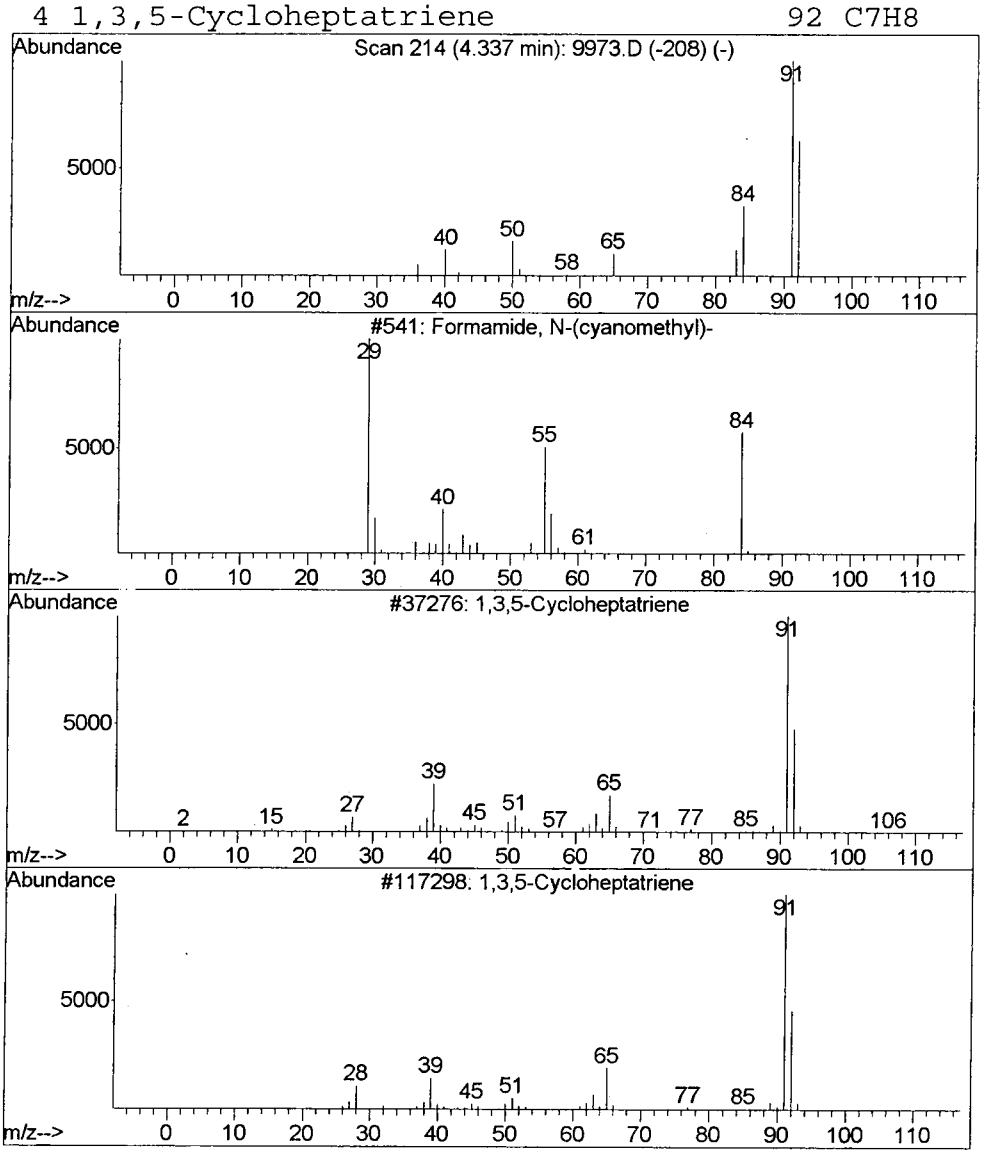
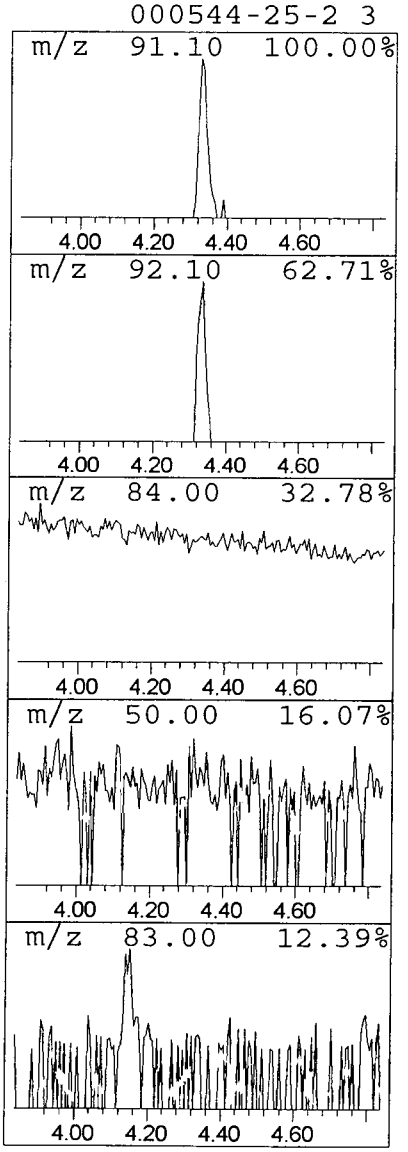
Peak Number 7 Formamide, N-(cyanomethyl)- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.34	0.39 ug/L	277339	1,4-Dichlorobenzene-d4	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Formamide, N-(cyanomethyl)-	84	C3H4N2O	005018-27-9	7
2	1,3,5-Cycloheptatriene	92	C7H8	000544-25-2	4
3	1,3,5-Cycloheptatriene	92	C7H8	000544-25-2	4
4	1,3,5-Cycloheptatriene	92	C7H8	000544-25-2	3





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

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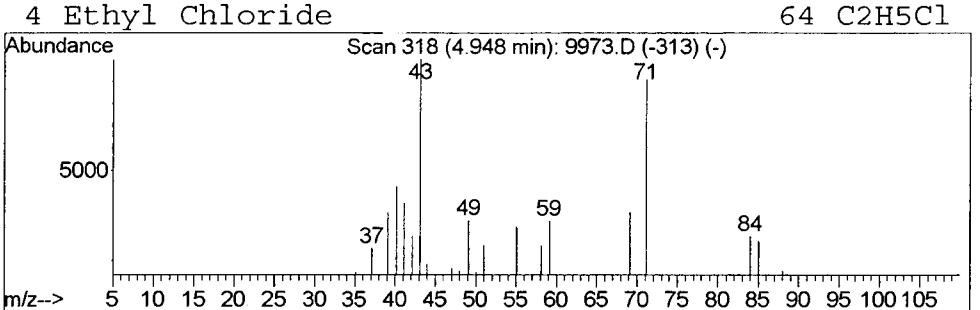
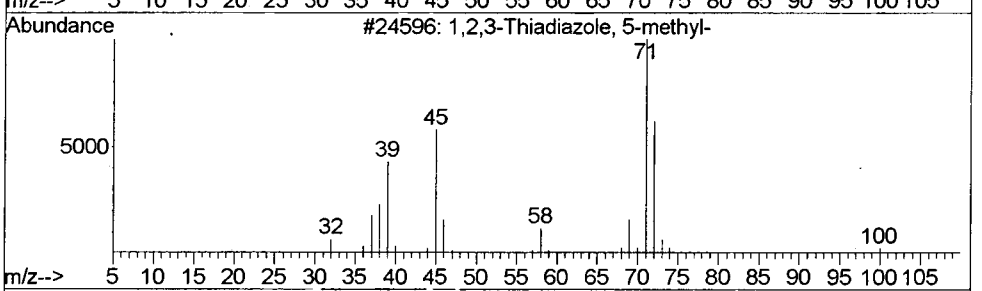
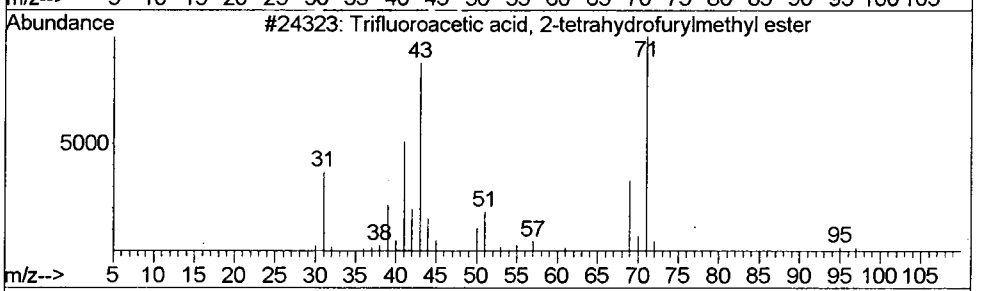
Peak Number 8 1,2,3-Thiadiazole, 5-methyl- Concentration Rank 13

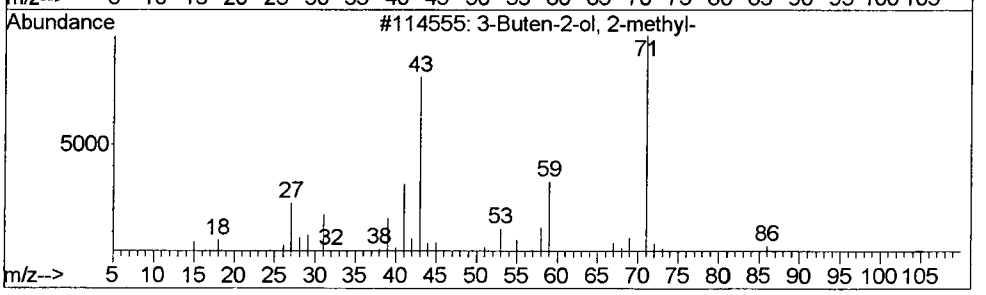
R.T.	EstConc	Area	Relative to ISTD	R.T.
4.95	0.28 ug/L	200824	1,4-Dichlorobenzene-d4	9.94

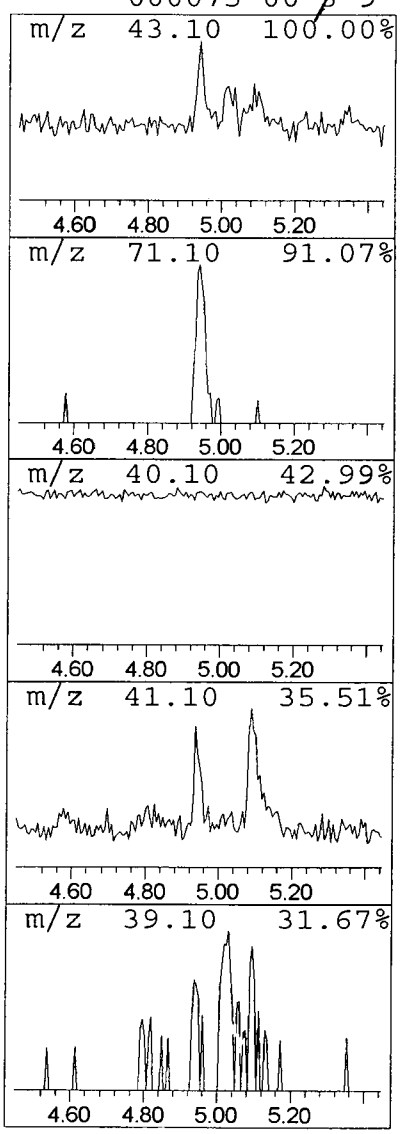
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,3-Thiadiazole, 5-methyl-	100	C3H4N2S	050406-54-7	17
2	Trifluoroacetic acid, 2-tetrahyd...	198	C7H9F3O3	1000216-78-4	10
3	3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	9
4	Ethyl Chloride	64	C2H5Cl	000075-00-3	9











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Title : 508 Modified GC/MS scan
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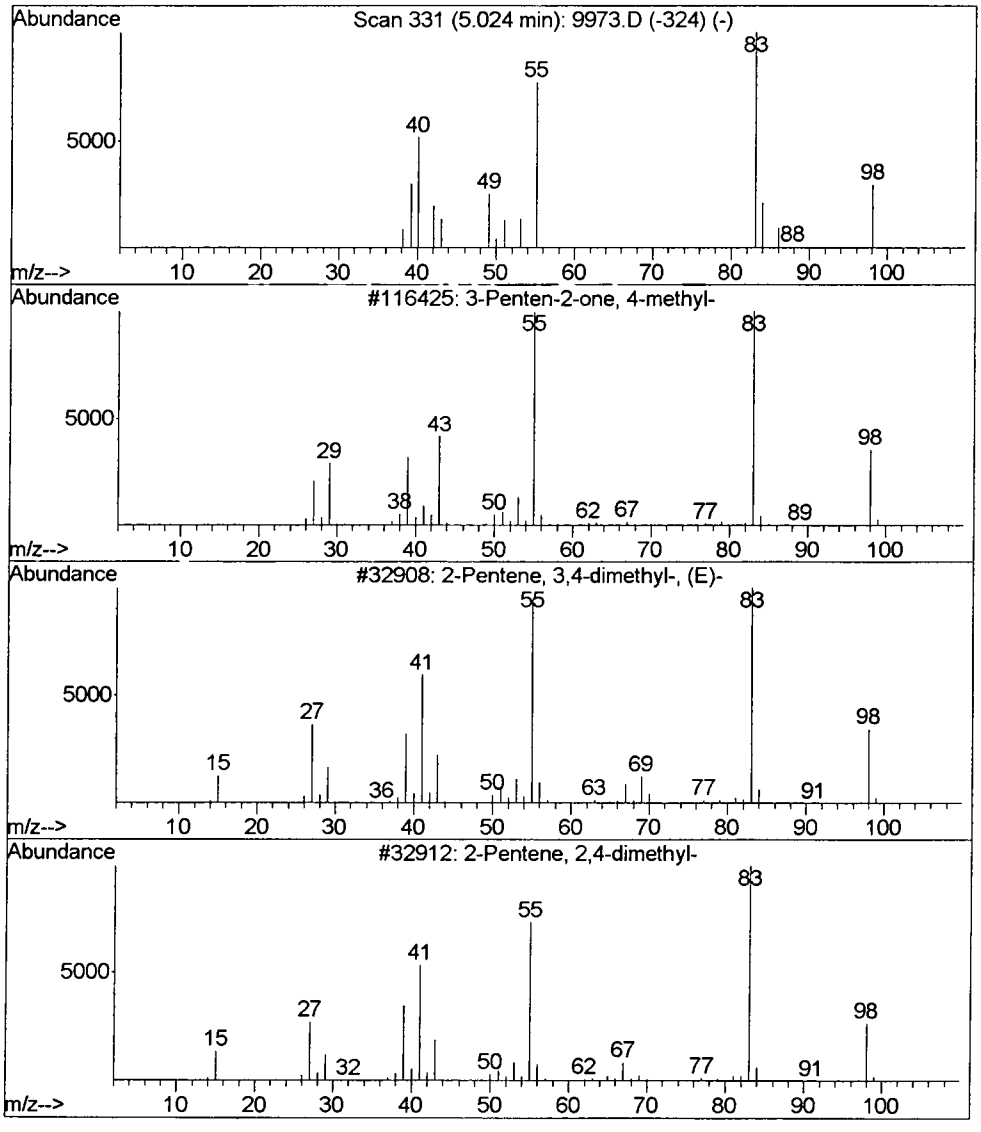
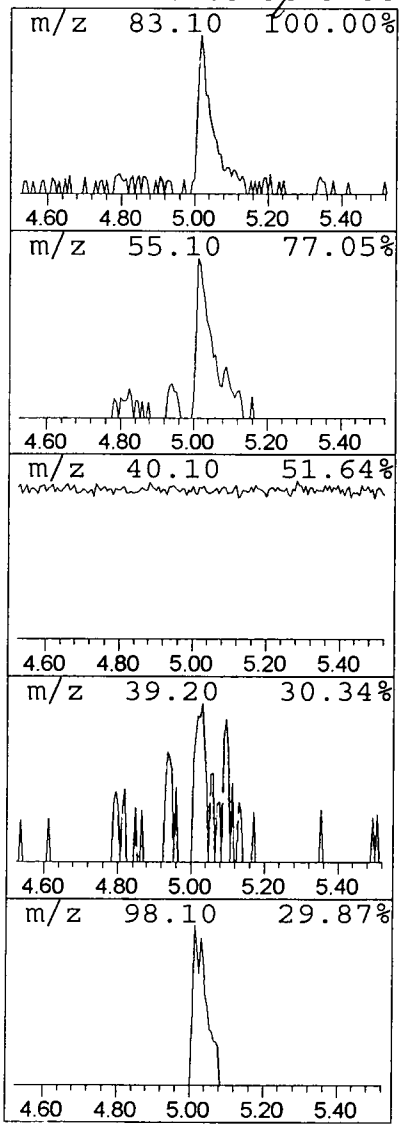
Peak Number 9 3-Penten-2-one, 4-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.02	0.33 ug/L	234301	1,4-Dichlorobenzene-d4	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	43
2	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	43
3	2-Pentene, 2,4-dimethyl-	98	C7H14	000625-65-0	38
4	3-Hexen-2-one	98	C6H10O	000763-93-9	38





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Multiplr: 1.00

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Title : 508 Modified GC/MS scan
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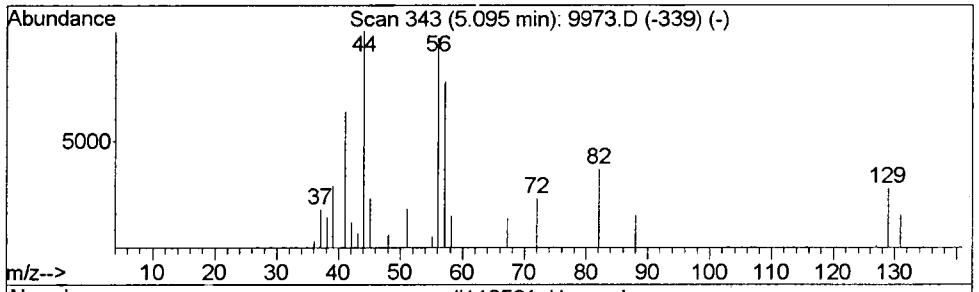
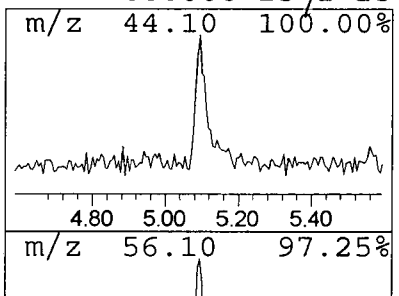
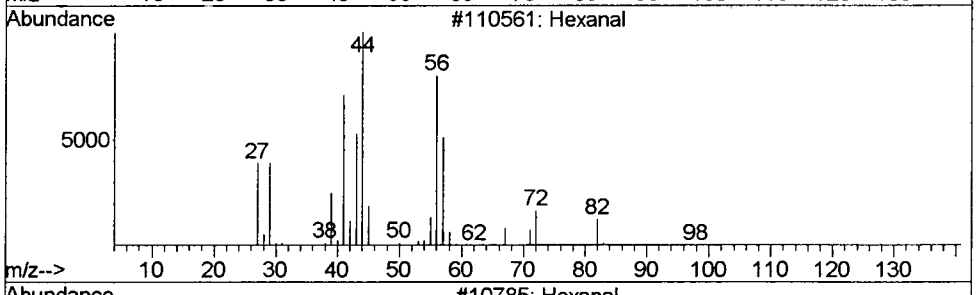
Peak Number 10 Hexanal — Concentration Rank 8

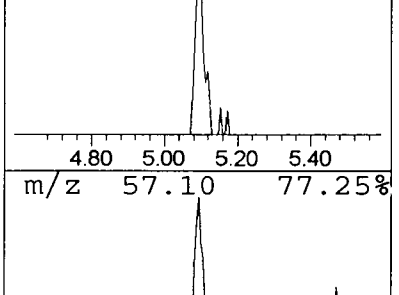
R.T.	EstConc	Area	Relative to ISTD	R.T.
5.09	0.36 ug/L	252067	1,4-Dichlorobenzene-d4	9.94

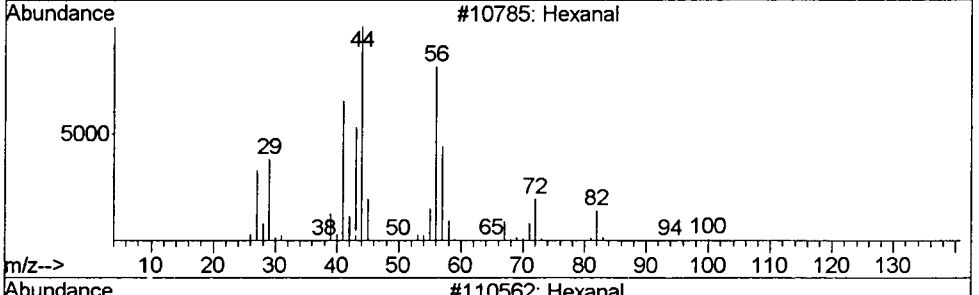
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	47
2	Hexanal	100	C6H12O	000066-25-1	37
3	Hexanal	100	C6H12O	000066-25-1	37
4	Hexanal	100	C6H12O	000066-25-1	25

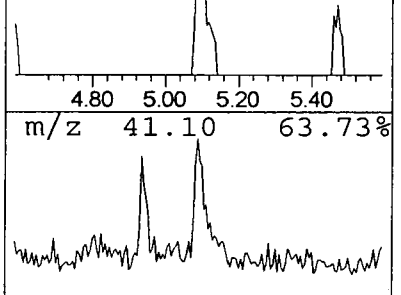


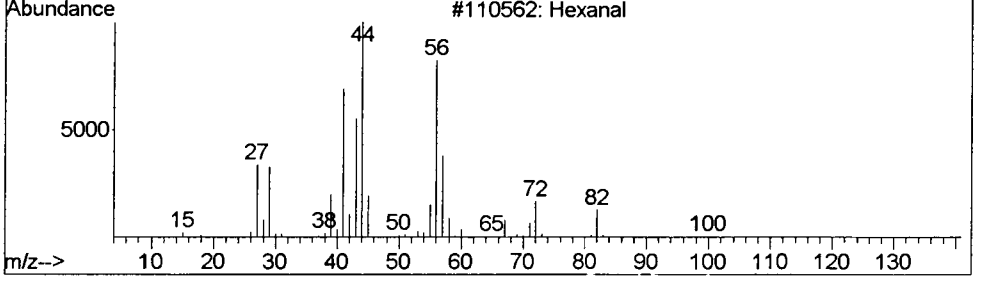


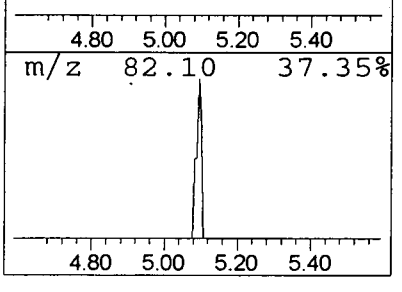












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Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

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

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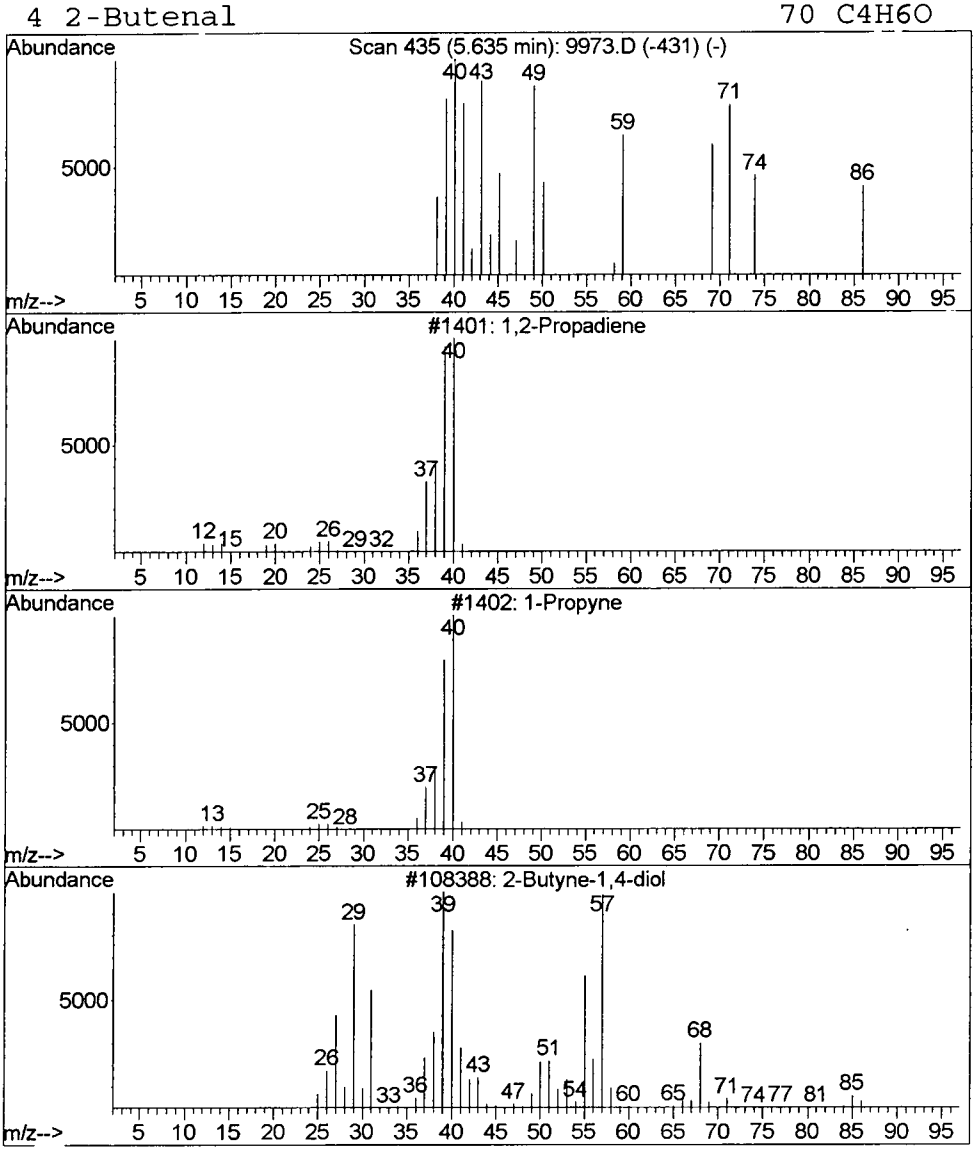
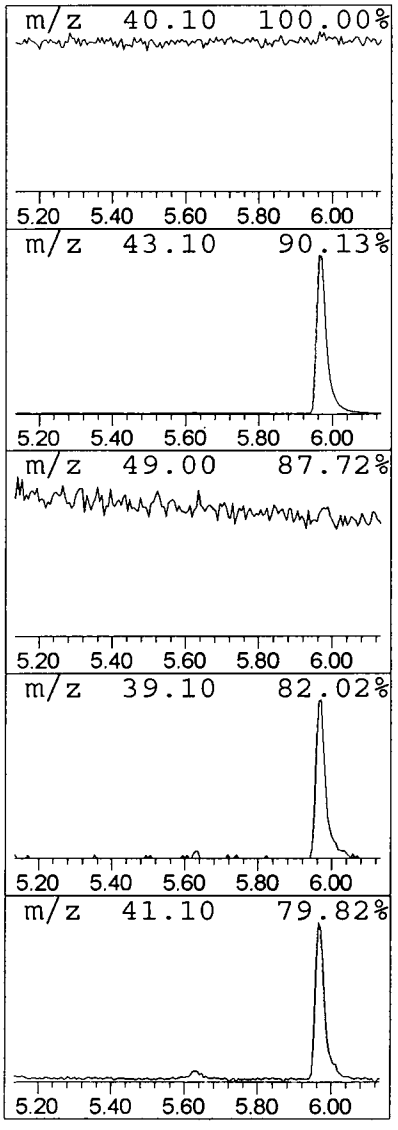
Peak Number 11 1,2-Propadiene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.64	0.25 ug/L	178139	1,4-Dichlorobenzene-d4	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Propadiene	40	C3H4	000463-49-0	12
2	1-Propyne	40	C3H4	000074-99-7	12
3	2-Butyne-1,4-diol	86	C4H6O2	000110-65-6	9
4	2-Butenal	70	C4H6O	004170-30-3	9





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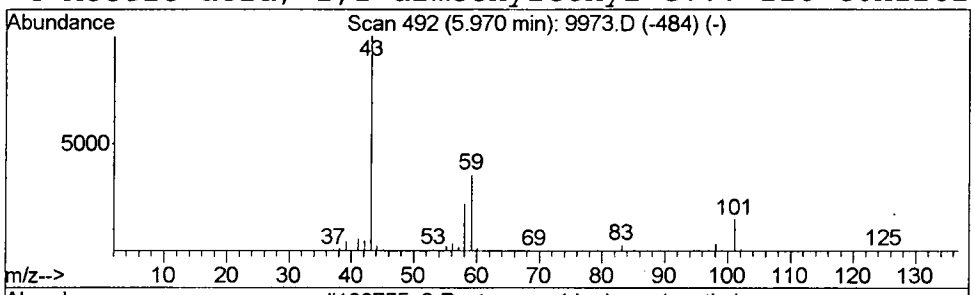
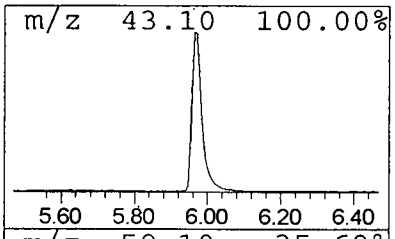
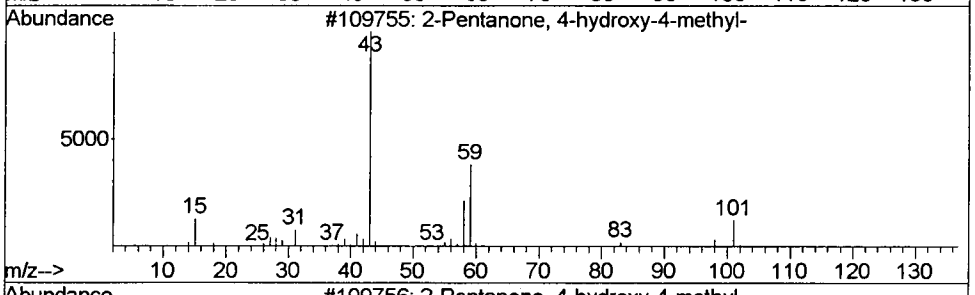
Peak Number 12 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

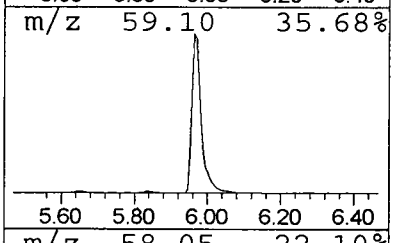
R.T.	EstConc	Area	Relative to ISTD	R.T.
5.97	10.32 ug/L	7321580	1,4-Dichlorobenzene-d4	9.94

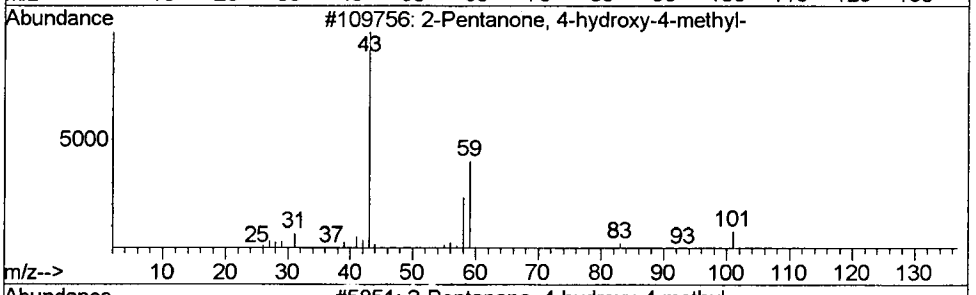
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	78
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
4	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	36

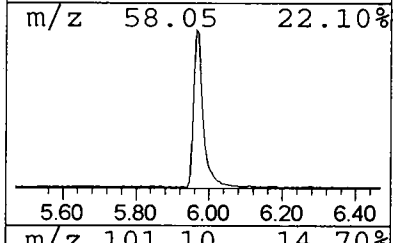


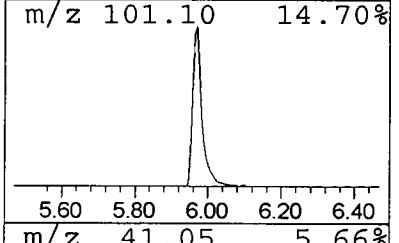


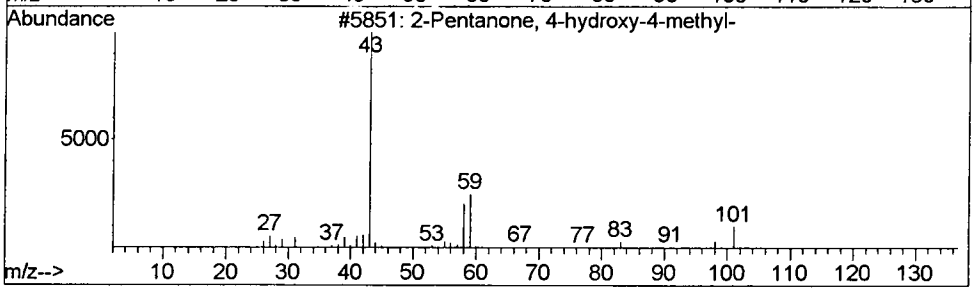


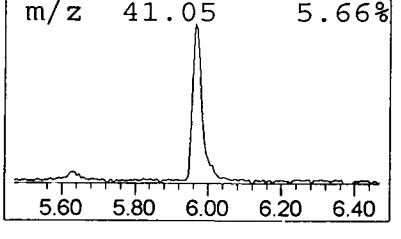












Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050602\9973.D Vial: 21
Acq On : 7 May 2002 3:59 am Operator: Mclean
Sample : 4/25 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

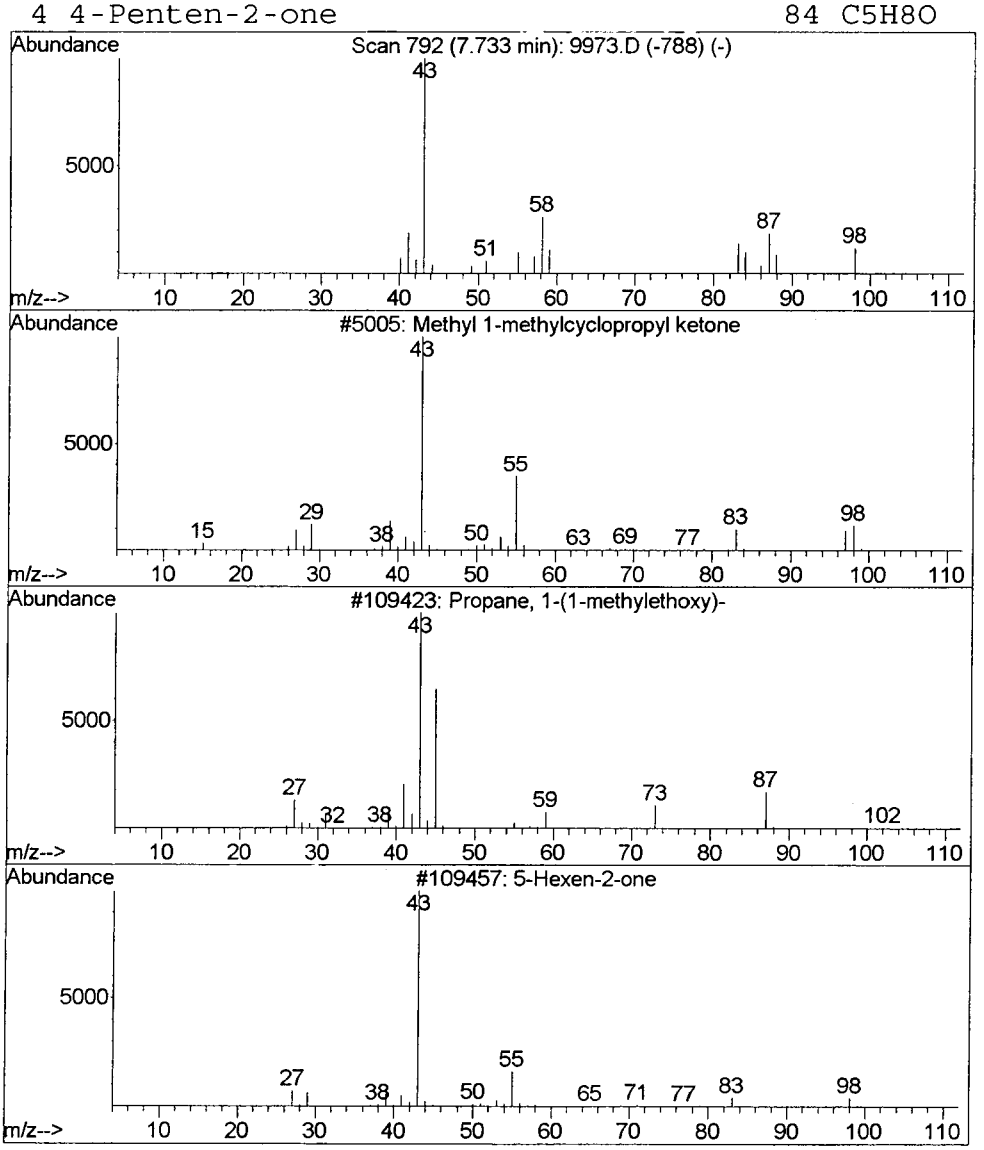
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

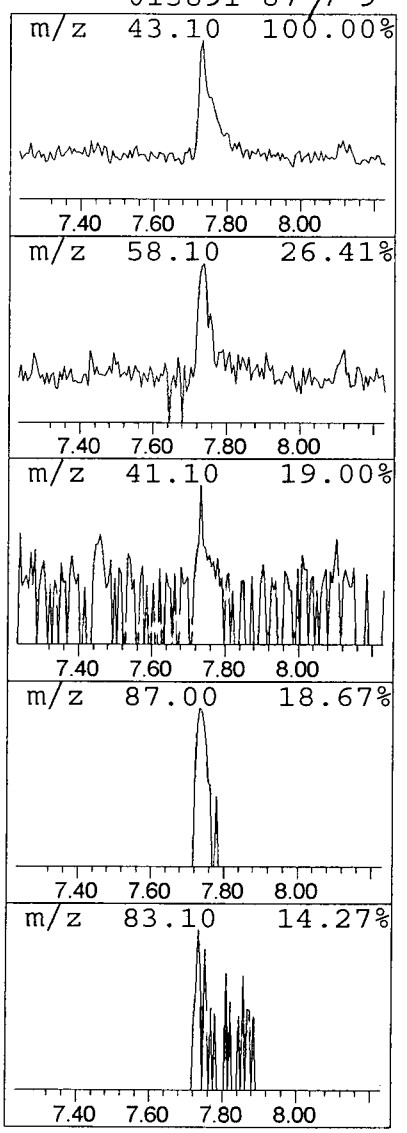
****

Peak Number 13 Methyl 1-methylcyclopropyl ... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.73	0.26 ug/L	186279	1,4-Dichlorobenzene-d4	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl 1-methylcyclopropyl ketone	98	C6H10O	001567-75-5	12
2	Propane, 1-(1-methylethoxy)-	102	C6H14O	000627-08-7	10
3	5-Hexen-2-one	98	C6H10O	000109-49-9	9
4	4-Penten-2-one	84	C5H8O	013891-87-7	9





Library Search Compound Report

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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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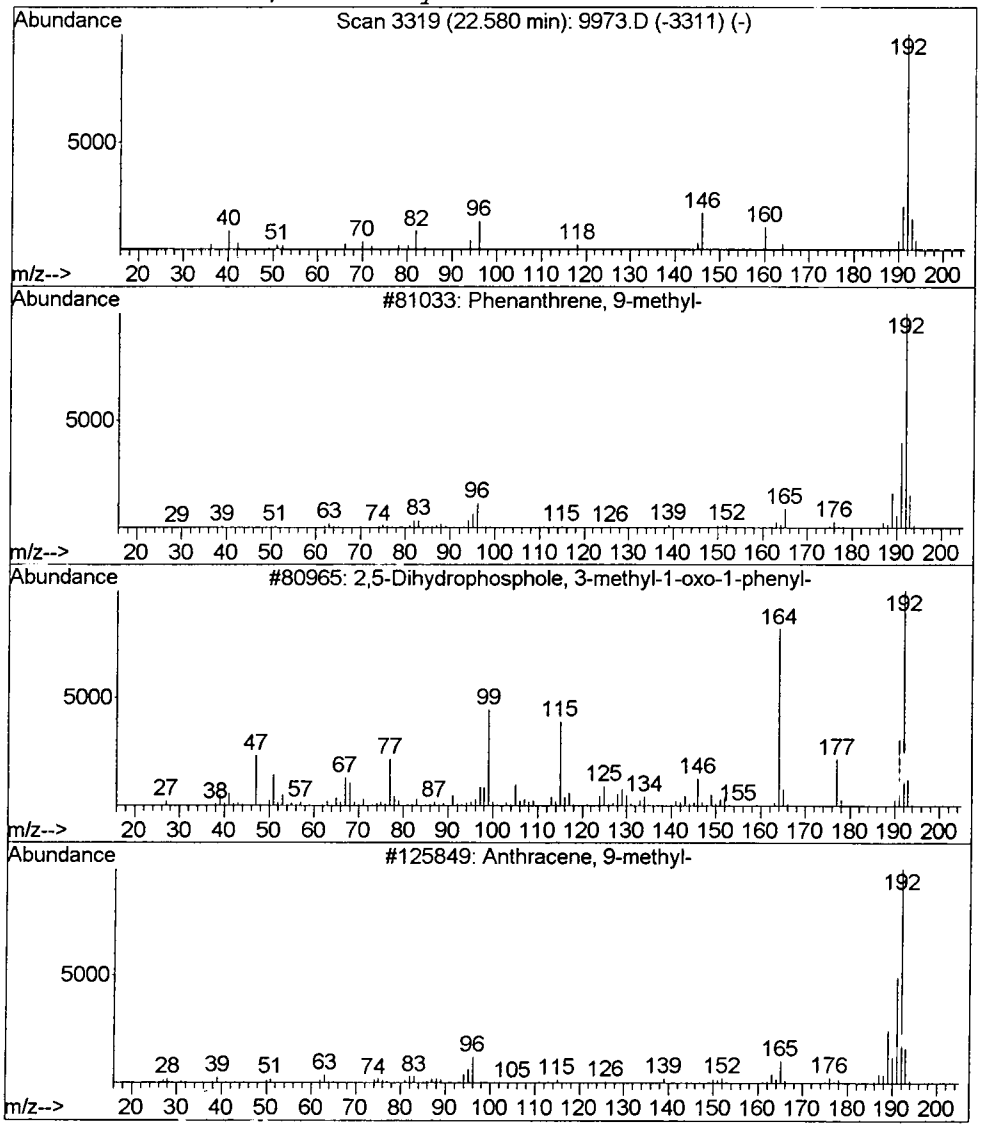
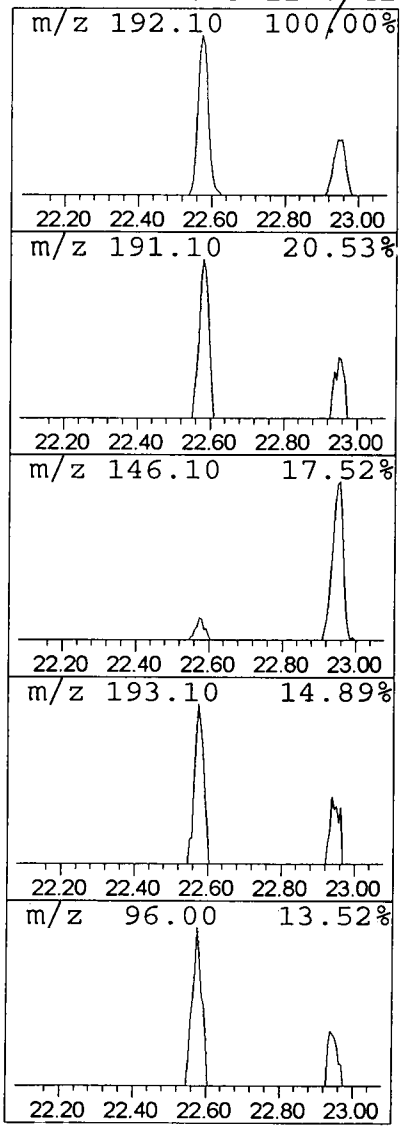
Peak Number 14 Phenanthrene, 9-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.58	0.34 ug/L	339201	Phenanthranene-d10	22.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	53
2	2,5-Dihydrophosphole, 3-methyl-1...	192	C11H13OP	1000196-97-5	45
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	42
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	42





Library Search Compound Report

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Acq On : 7 May 2002 3:59 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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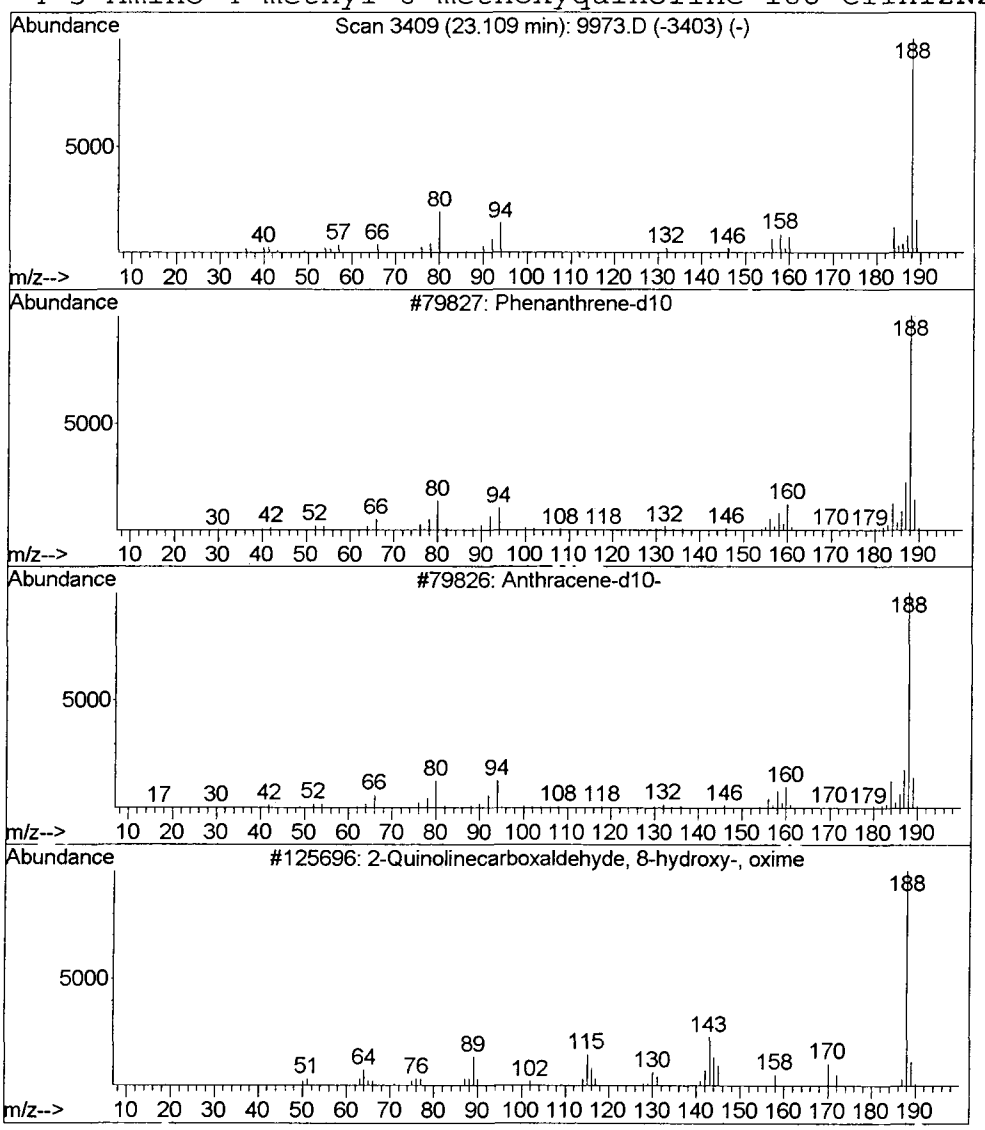
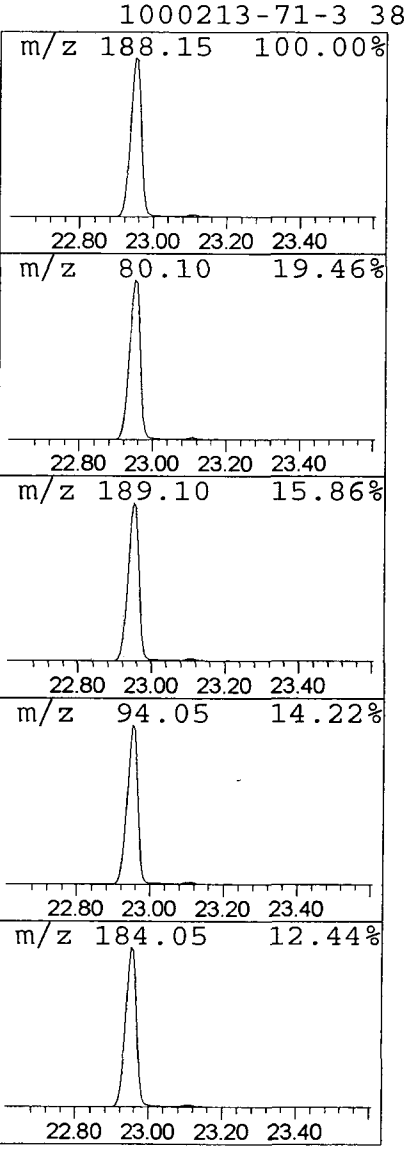
Peak Number 15 Phenanthrene-d10 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.11	0.54 ug/L	538533	Phenanthranene-d10	22.96

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	83
3	2-Quinolinecarboxaldehyde, 8-hyd...	188	C10H8N2O2	005603-22-5	40
4	3-Amino-4-methyl-6-methoxyquinoline	188	C11H12N2O	1000213-71-3	38





Library Search Compound Report

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Acq On : 7 May 2002 3:59 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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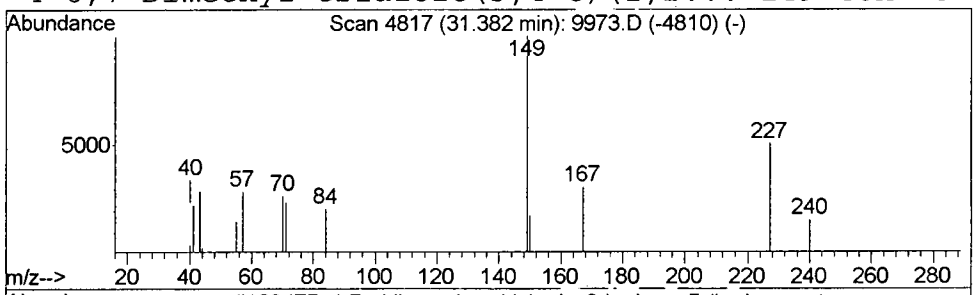
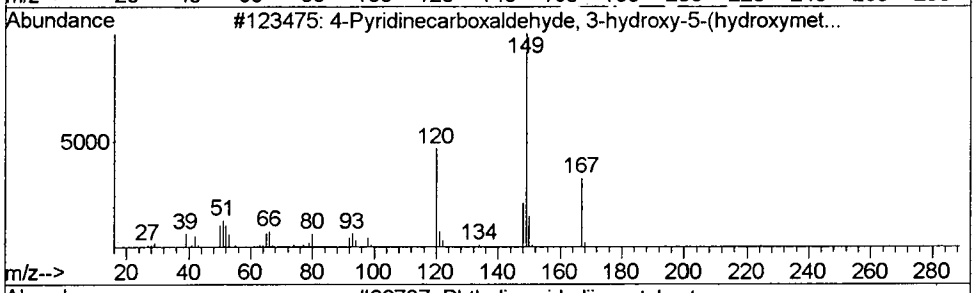
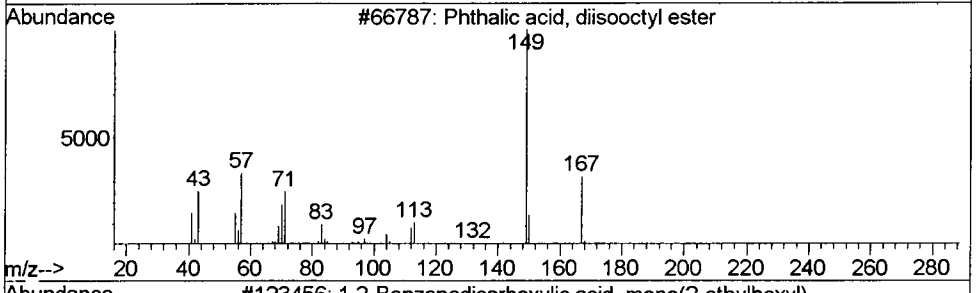
Peak Number 16 4-Pyridinecarboxaldehyde, 3... Concentration Rank 20

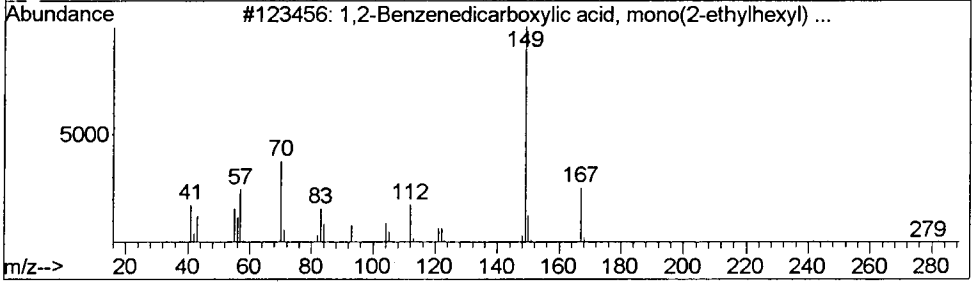
R.T.	EstConc	Area	Relative to ISTD	R.T.
31.38	0.20 ug/L	163577	Chrysene-d12	30.81

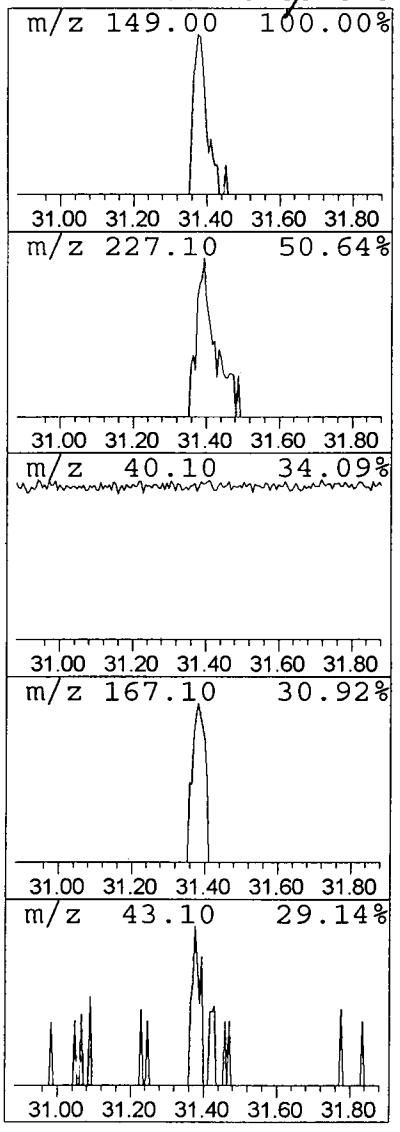
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Pyridinecarboxaldehyde, 3-hydr...	167	C8H9NO3	000066-72-8	9
2	Phthalic acid, diisooctyl ester	390	C24H38O4	001330-91-2	9
3	1,2-Benzenedicarboxylic acid, mo...	278	C16H22O4	004376-20-9	9
4	6,7-Dimethyl-triazolo(3,4-c)(1,2...	149	C6H7N5	1000146-53-6	5











Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050602\9973.D Vial: 21
Acq On : 7 May 2002 3:59 am Operator: Mclean
Sample : 4/25 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

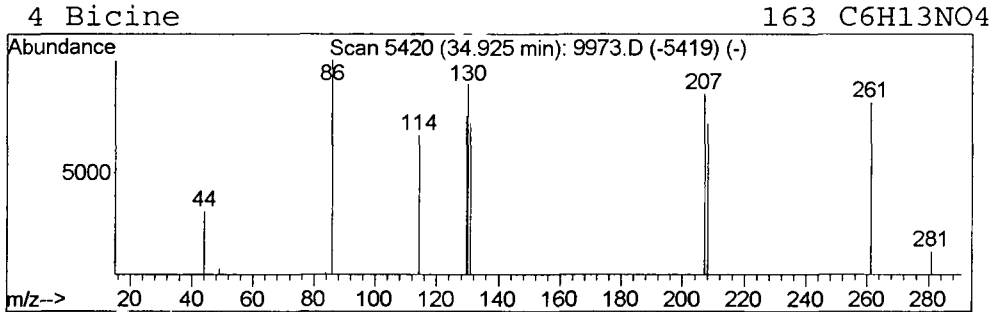
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

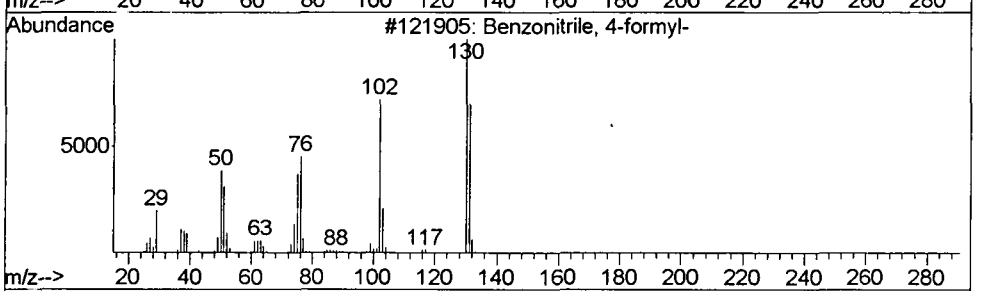
****

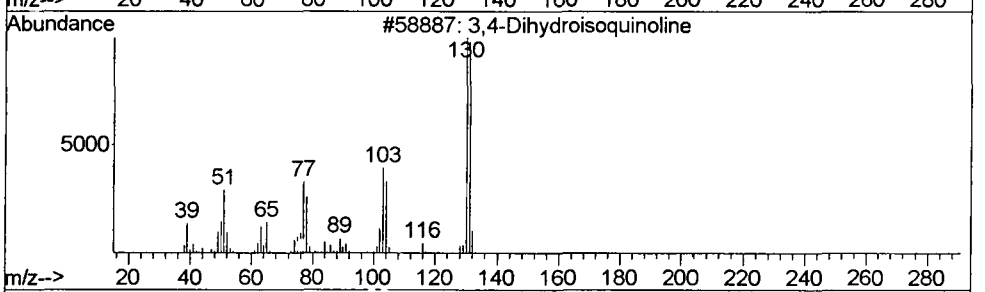
Peak Number 17 Benzonitrile, 4-formyl- Concentration Rank 12

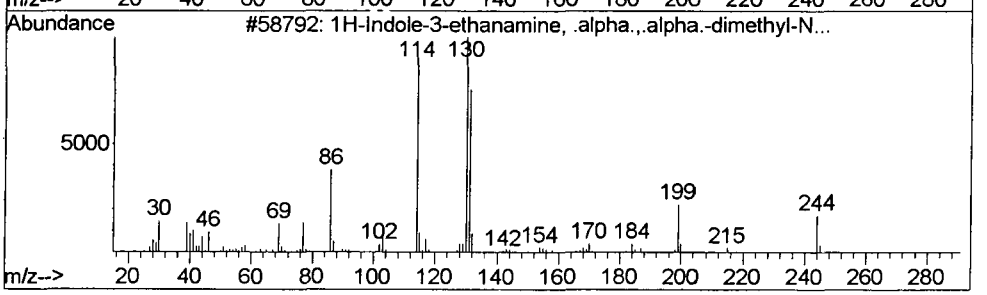
R.T.	EstConc	Area	Relative to ISTD	R.T.
34.93	0.29 ug/L	161242	Perylene-d12	34.71

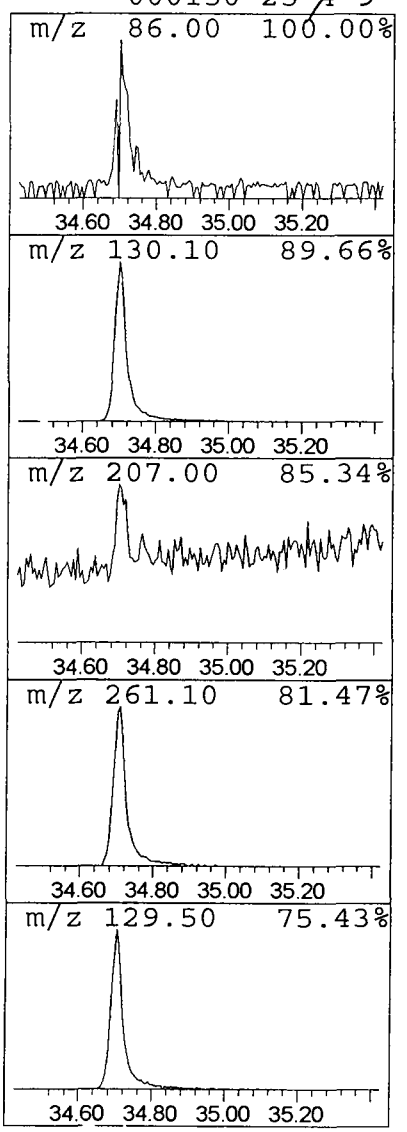
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzonitrile, 4-formyl-	131	C8H5NO	000105-07-7	9
2	3,4-Dihydroisoquinoline	131	C9H9N	1000210-20-5	9
3	1H-Indole-3-ethanamine, .alpha.,...	244	C15H20N2O	1000197-55-8	9
4	Bicine	163	C6H13NO4	000150-25-4	9











Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050602\9973.D Vial: 21
Acq On : 7 May 2002 3:59 am Operator: Mclean
Sample : 4/25 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

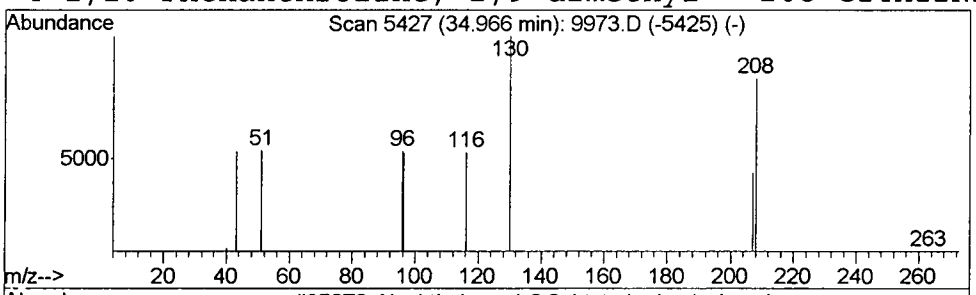
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

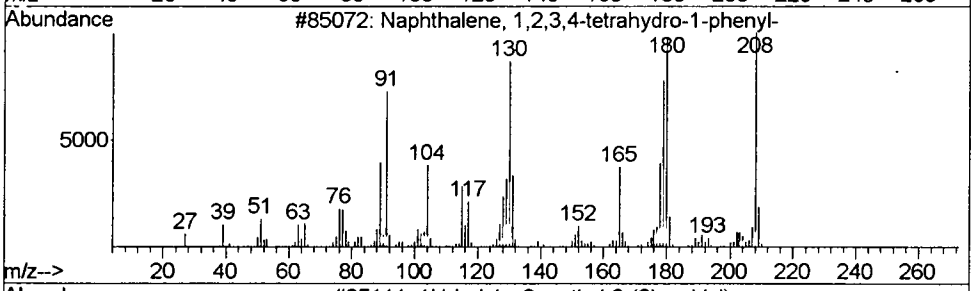
****

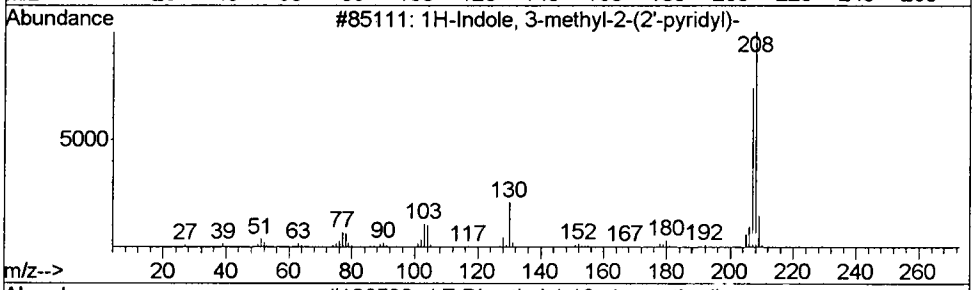
Peak Number 18 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 7

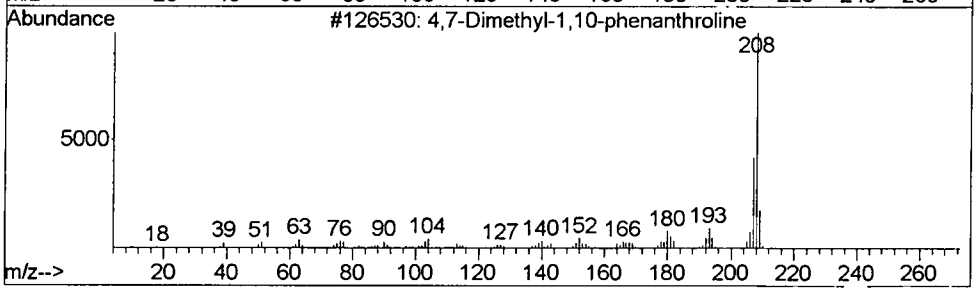
R.T.	EstConc	Area	Relative to ISTD	R.T.
34.96	0.37 ug/L	211125	Perylene-d12	34.71

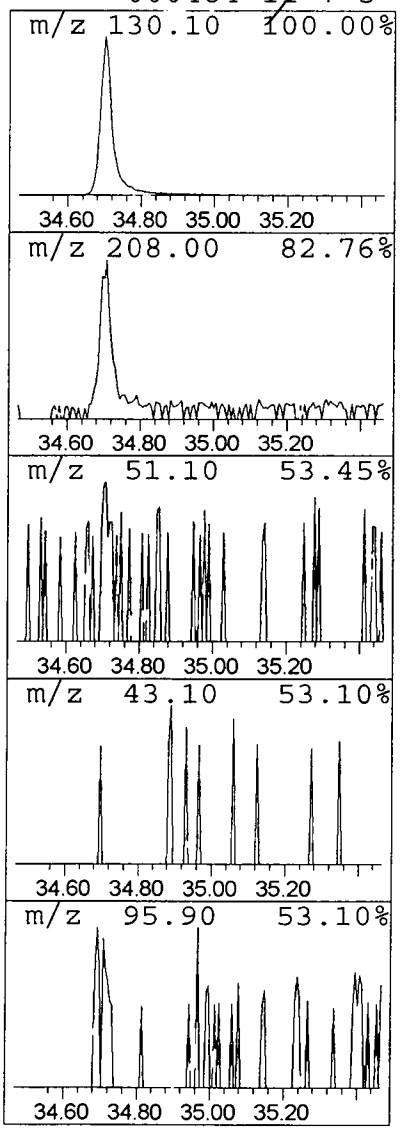
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	208	C16H16	003018-20-0	7
2	1H-Indole, 3-methyl-2-(2'-pyridyl)-	208	C14H12N2	000951-25-7	7
3	4,7-Dimethyl-1,10-phenanthroline	208	C14H12N2	003248-05-3	5
4	1,10-Phenanthroline, 2,9-dimethyl-	208	C14H12N2	000484-11-7	5











Library Search Compound Report

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Acq On : 7 May 2002 3:59 am Operator: Mclean
Sample : 4/25 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

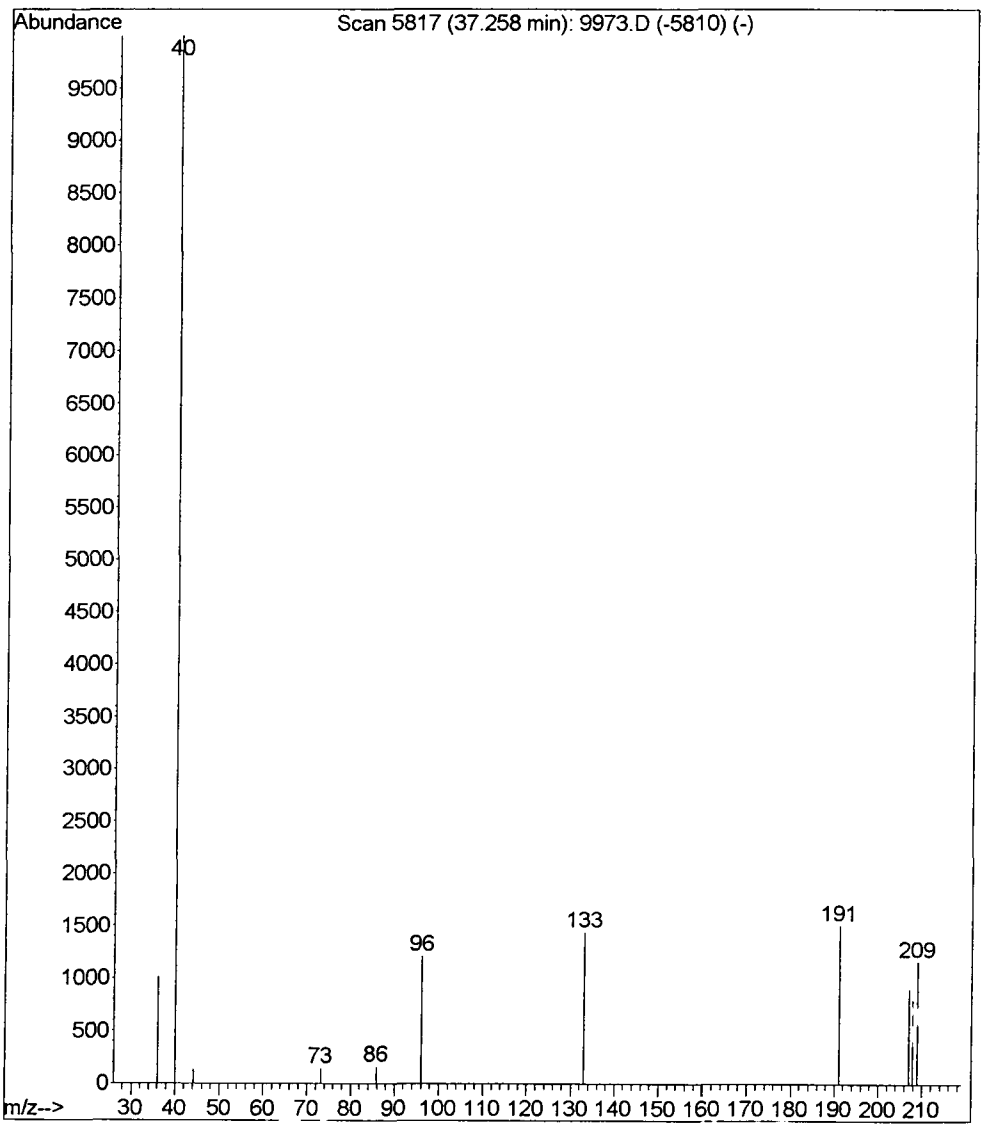
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

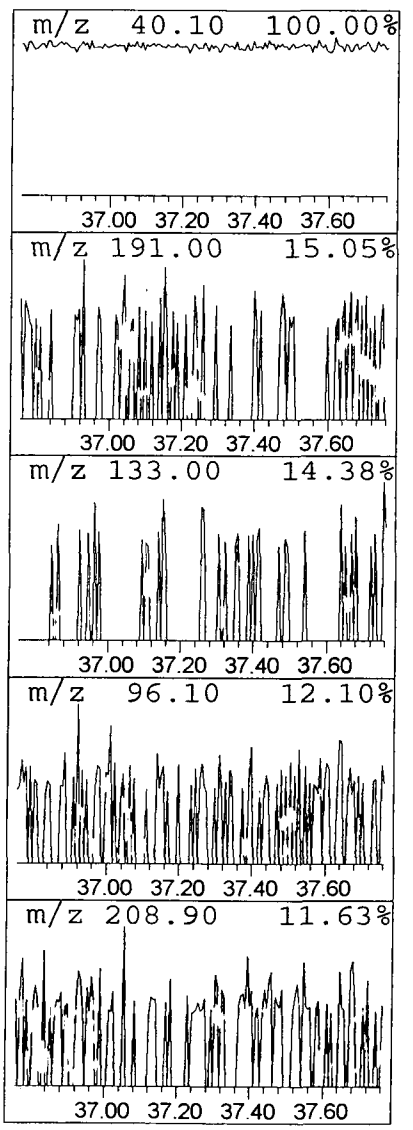
****

Peak Number 19 Unknown Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
37.26	0.24 ug/L	134876	Perylene-d12	34.71

Hit# of 1	Tentative ID	MW	MolForm	CAS#	Qual
1	No Hits From C:\DATABASE\NIST98.L	0			0





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Sample : 4/25 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

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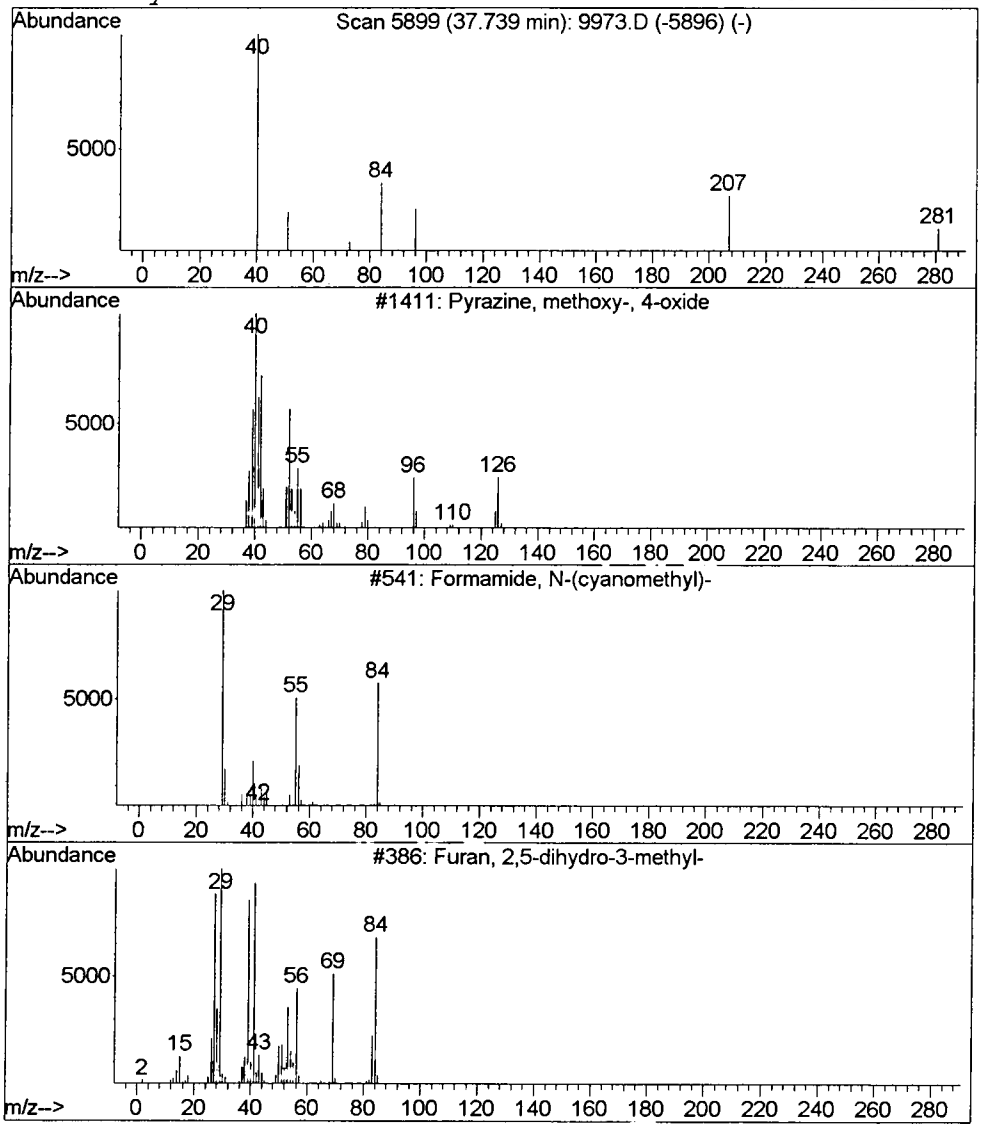
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

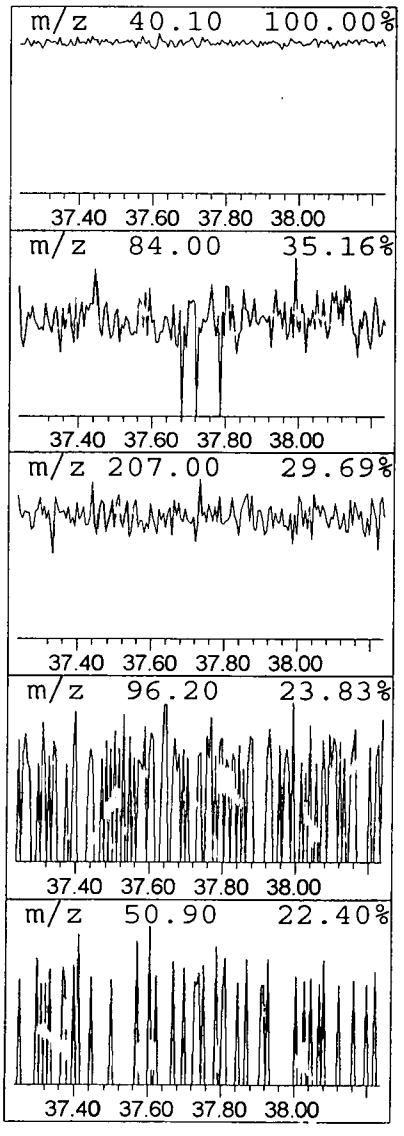
****

Peak Number 20 Pyrazine, methoxy-, 4-oxide Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
37.74	0.22 ug/L	126494	Perylene-d12	34.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrazine, methoxy-, 4-oxide	126	C5H6N2O2	023902-69-4	4
2	Formamide, N-(cyanomethyl)-	84	C3H4N2O	005018-27-9	3
3	Furan, 2,5-dihydro-3-methyl-	84	C5H8O	001708-31-2	2
4	2H-Pyran-2-one	96	C5H4O2	000504-31-4	2





Tentatively Identified Compound (LSC) summary

Operator ID: Mclean Date Acquired: 7 May 2002 3:59 am
Data File: C:\MSDCHEM\1\DATA\050602\9973.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--- #	RT	Resp	Conc
Acetonitrile, dic...	3.61	0.3	ug/L	214193	1	9.94	28375300	40.0
Methylene Chloride	3.72	0.6	ug/L	443028	1	9.94	28375300	40.0
1-Penten-3-one	3.78	0.4	ug/L	309869	1	9.94	28375300	40.0
Imidazol, 4-fluoro-	3.90	0.3	ug/L	184499	1	9.94	28375300	40.0
Krypton	4.16	0.5	ug/L	384435	1	9.94	28375300	40.0
2-Chloroethanol	4.26	0.2	ug/L	162692	1	9.94	28375300	40.0
Formamide, N-(cya...	4.34	0.4	ug/L	277339	1	9.94	28375300	40.0
1,2,3-Thiadiazole...	4.95	0.3	ug/L	200824	1	9.94	28375300	40.0
3-Penten-2-one, 4...	5.02	0.3	ug/L	234301	1	9.94	28375300	40.0
Hexanal	5.09	0.4	ug/L	252067	1	9.94	28375300	40.0
1,2-Propadiene	5.64	0.3	ug/L	178139	1	9.94	28375300	40.0
2-Pentanone, 4-hy...	5.97	10.3	ug/L	7321580	1	9.94	28375300	40.0
Methyl 1-methylcy...	7.73	0.3	ug/L	186279	1	9.94	28375300	40.0
Phenanthrene, 9-m...	22.58	0.3	ug/L	339201	4	22.96	40118300	40.0
Phenanthrene-d10	23.11	0.5	ug/L	538533	4	22.96	40118300	40.0
4-Pyridinecarboxa...	31.38	0.2	ug/L	163577	5	30.81	31947400	40.0
Benzonitrile, 4-f...	34.93	0.3	ug/L	161242	6	34.71	22597800	40.0
Naphthalene, 1,2,...	34.96	0.4	ug/L	211125	6	34.71	22597800	40.0
No Hits From C:\D...	37.26	0.2	ug/L	134876	6	34.71	22597800	40.0
Pyrazine, methoxy...	37.74	0.2	ug/L	126494	6	34.71	22597800	40.0