User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 06/04/2002 Time: 10:59:53

Sample: AE11901
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 6/4/02 10:59 Ended: 6/4/02 10:59 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		92		10.0

Comments for Sample AE11901 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 06-04-2002 Time: 11:00:24

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\052202\11901.D Vial: 8
Acq On : 22 May 2002 7:31 pm Operator: Mclean
Sample : 5/21 ad Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 23 08:41:36 2002 Quant Results File: Q50102.RES

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Mon May 13 11:40:29 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.90	152	4543732	40.00	ug/L	-0.03
10) Napthalene-d8	13.39	136	17949977	40.00	ug/L	-0.04
17) Acenapthalene-d10	18.53	164	9953881	40.00	ug/L	-0.04
29) Phenanthranene-d10	22.91	188	15320515	40.00	ug/L	-0.04
37) Chrysene-d12	30.76	240	9751364	40.00	ug/L	-0.05
43) Perylene-d12	34.66	264	5145257	40.00	ug/L	-0.05
System Monitoring Compounds						
27) TCMX	20.51	209	2214912	36.65	ug/L	-0.03
Spiked Amount 40.000			Recovery = 91.63%			
Target Compounds						Qvalue
2) n-nitros-dimethyl amine	0.00	74	0	N.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	20.51	77	41067	N.D.		
30) Nnitrosodiphenylamine	20.51	169	42810	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.		
34) Anthracene	0.00	178	0	N.D.		
35) Di-n-butylphthalate	0.00	149	0	N.D.		

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\052202\11901.D Vial: 8
Acq On : 22 May 2002 7:31 pm Operator: Mclean
Sample : 5/21 ad Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 23 08:41:36 2002 Quant Results File: 050102.RES

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Mon May 13 11:40:29 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

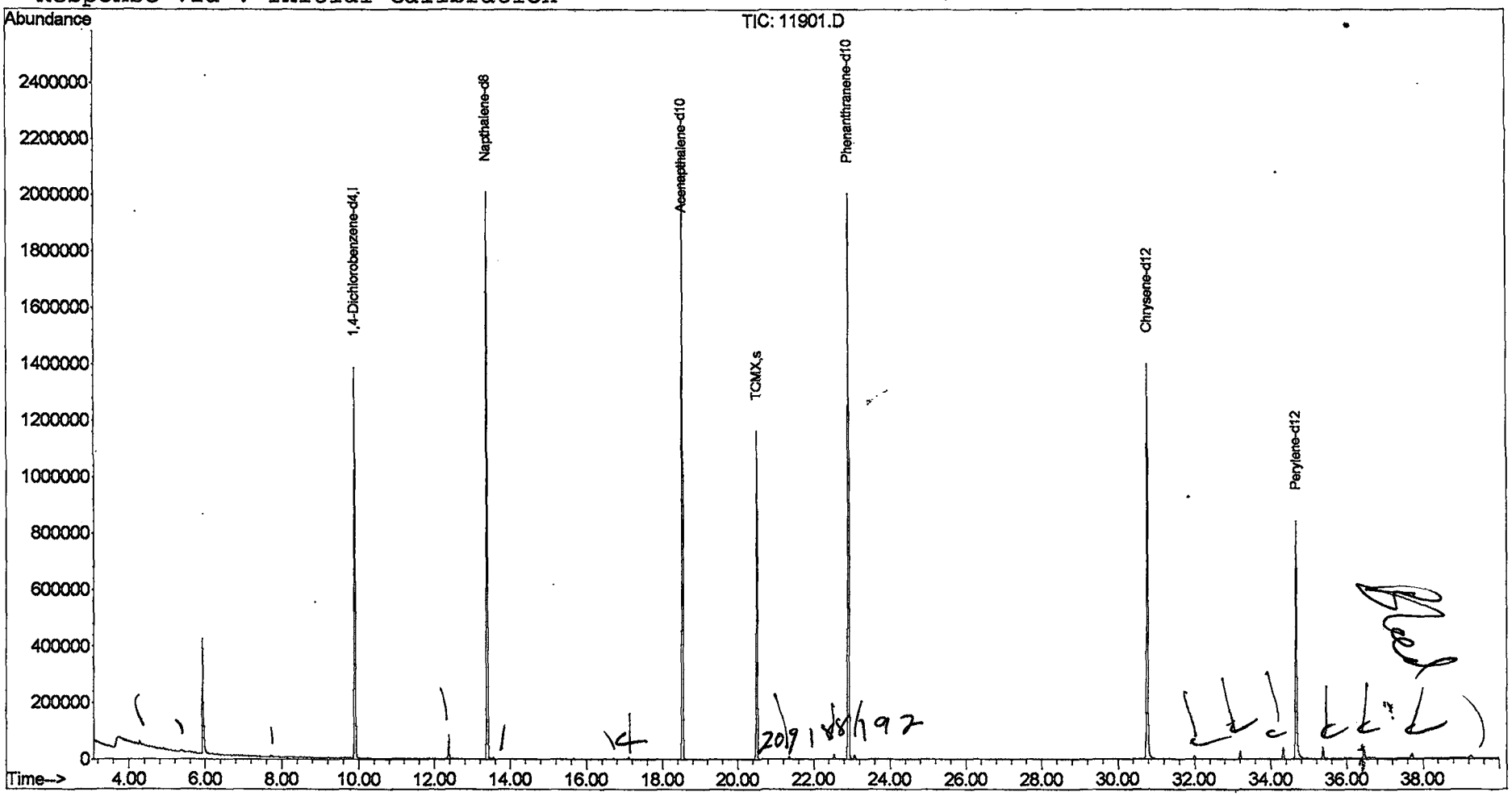
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
36)	Fluoroanthene	0.00	202	0	N.D.	
38)	Pyrene	0.00	202	0	N.D.	
39)	Butylbenzylphthalate	0.00	149	0	N.D.	
40)	Benzo(a)anthracene	0.00	228	0	N.D.	
41)	Bis(2-ethylhexyl)phthalate	0.00	149	0	N.D.	
42)	Chrysene	0.00	228	0	N.D.	
44)	Di-n-octylphthalate	0.00	149	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)

Data File : C:\MSDCHEM\1\DATA\052202\11901.D Vial: 8
Acq On : 22 May 2002 7:31 pm Operator: Mclean
Sample : 5/21 ad Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 23 8:41 2002 Quant Results File: 050102.RES

Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Wed May 22 15:21:28 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\052202\11901.D Vial: 8
Acq On : 22 May 2002 7:31 pm Operator: Mclean
Sample : 5/21 ad 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

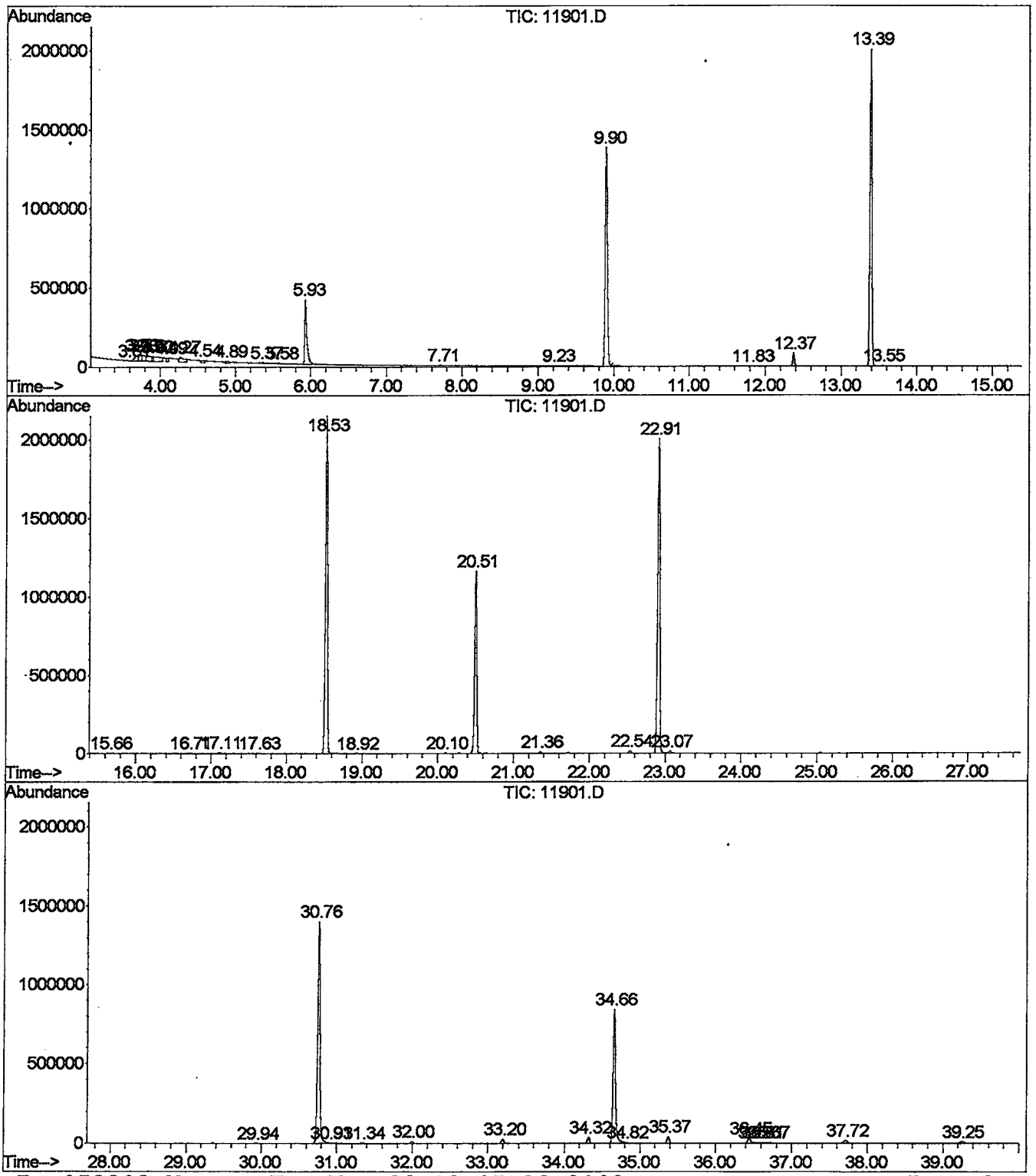
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.608	88	90	94	PV 5	1964	24615	0.06%	0.010%
2	3.702	94	106	108	VV 2	35937	1049203	2.54%	0.435%
3	3.731	108	111	116	VV 3	37585	1044870	2.53%	0.433%
4	3.773	116	118	124	VV 5	36633	980566	2.37%	0.406%
5	3.825	124	127	138	VV 8	33613	1512633	3.66%	0.626%
6	3.896	138	139	141	VV 2	30380	397399	0.96%	0.165%
7	3.919	141	143	162	VV 6	28867	1907184	4.61%	0.790%
8	4.090	170	172	176	VV 4	23768	493611	1.19%	0.204%
9	4.272	198	203	217	VV 2	30813	1398360	3.38%	0.579%
10	4.542	247	249	258	VV 7	12761	421668	1.02%	0.175%
11	4.895	303	309	314	VV 6	9460	302529	0.73%	0.125%
12	5.371	383	390	410	VV 5	6183	307816	0.74%	0.127%
13	5.576	422	425	446	VV 9	4490	164232	0.40%	0.068%
14	5.935	480	486	512	PV	399190	8057157	19.47%	3.337%
15	7.709	784	788	794	PV 4	4643	90345	0.22%	0.037%
16	9.225	1042	1046	1051	PV 4	1529	26883	0.06%	0.011%
17	9.901	1146	1161	1178	PV	1360679	26916565	65.05%	11.147%
18	11.828	1483	1489	1496	PV 4	1931	35459	0.09%	0.015%
19	12.374	1569	1582	1591	VV	84037	1293546	3.13%	0.536%
20	13.391	1735	1755	1775	PV	1976963	36511287	88.24%	15.121%
21	13.544	1775	1781	1788	VV 2	4852	83245	0.20%	0.034%
22	15.665	2136	2142	2145	PV 2	1838	25562	0.06%	0.011%
23	16.711	2315	2320	2331	VV 4	2974	65585	0.16%	0.027%
24	17.110	2378	2388	2396	VV 4	6649	111761	0.27%	0.046%
25	17.627	2467	2476	2480	PV 4	2639	47707	0.12%	0.020%
26	18.532	2619	2630	2652	VV	2134295	40641348	98.22%	16.831%
27	18.926	2689	2697	2704	PV 4	1674	26960	0.07%	0.011%
28	20.107	2893	2898	2904	VV 4	2262	38270	0.09%	0.016%
29	20.506	2953	2966	2978	VV	1157831	21888278	52.90%	9.065%
30	21.358	3100	3111	3118	VV 3	9631	156129	0.38%	0.065%
31	22.539	3296	3312	3320	VV 2	16081	286898	0.69%	0.119%
32	22.915	3363	3376	3393	PV 2	1992879	41378182	100.00%	17.136%
33	23.068	3393	3402	3416	VV	12733	259985	0.63%	0.108%
34	29.936	4564	4571	4578	PV 3	1960	39959	0.10%	0.017%
35	30.759	4698	4711	4736	PV 2	1381280	29991619	72.48%	12.421%
36	30.912	4736	4737	4743	VV 2	1813	23511	0.06%	0.010%
37	31.341	4804	4810	4821	BV 5	2178	48191	0.12%	0.020%

38	31.999	4913	4922	4928	PV	2	11806	217146	0.52%	0.090%
39	33.197	5118	5126	5149	PV	2	26301	557075	1.35%	0.231%
40	34.326	5308	5318	5334	PV	2	37843	813603	1.97%	0.337%
41	34.655	5364	5374	5400	VV	2	828965	18730303	45.27%	7.757%
42	34.813	5400	5401	5416	VV	7	4453	129688	0.31%	0.054%
43	35.377	5487	5497	5508	PV	3	40525	900321	2.18%	0.373%
44	36.447	5670	5679	5691	VV	2	29996	801882	1.94%	0.332%
45	36.558	5691	5698	5701	VV	6	3052	85480	0.21%	0.035%
46	36.605	5701	5706	5712	VV	8	4078	132125	0.32%	0.055%
47	36.676	5712	5718	5732	VV	10	3966	194754	0.47%	0.081%
48	37.716	5876	5895	5908	PV	5	17246	538748	1.30%	0.223%
49	39.249	6147	6156	6171	VV	8	8254	315899	0.76%	0.131%

Sum of corrected areas: 241466141

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\052202\11901.D
Operator : Mclean
Acquired : 22 May 2002 7:31 pm using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: 5/21 ad
Misc Info :
Vial Number: 8
Quant File :050102.RES (Chemstation Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052202\11901.D
Acq On : 22 May 2002 7:31 pm
Sample : 5/21 ad
Misc :
MS Integration Params: LSCINT.e

Vial: 8
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

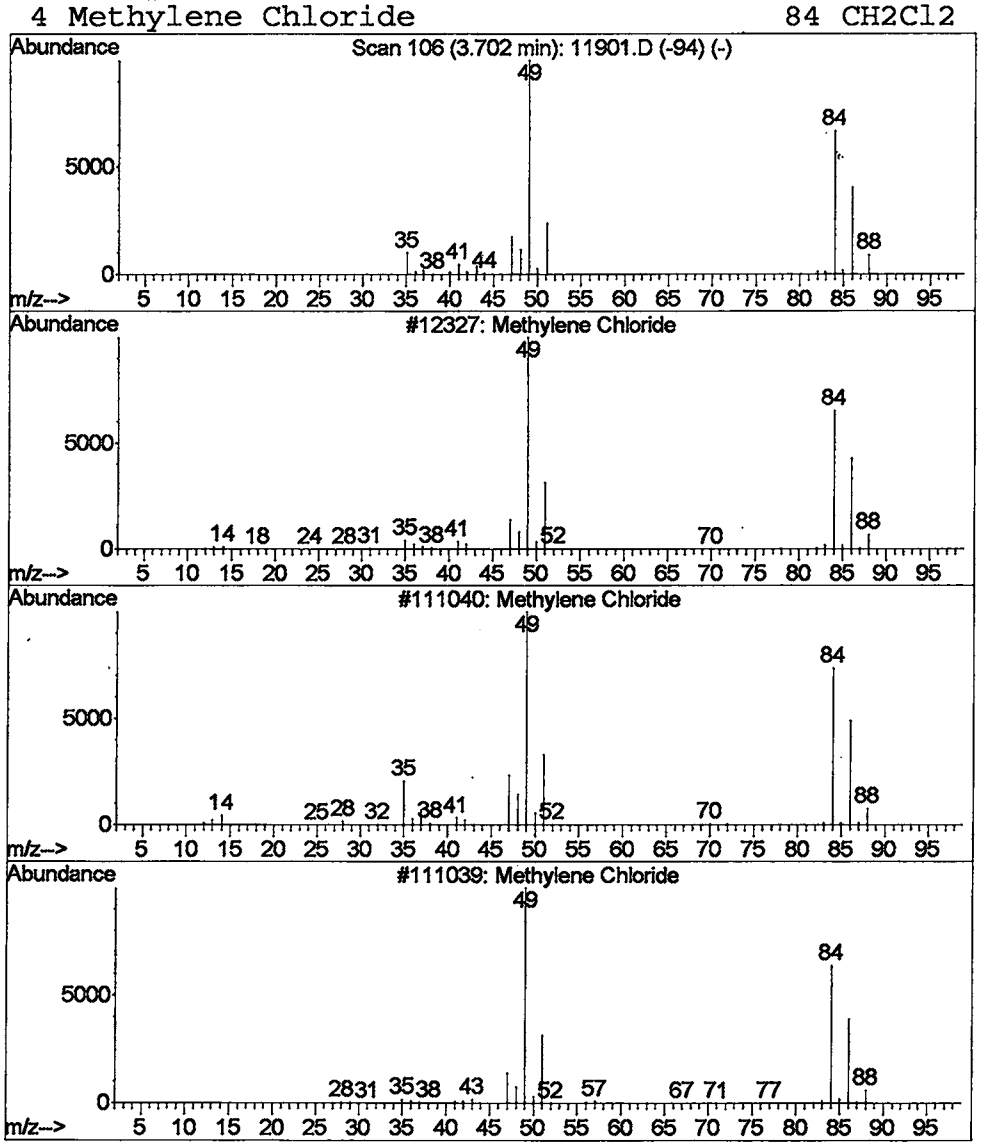
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

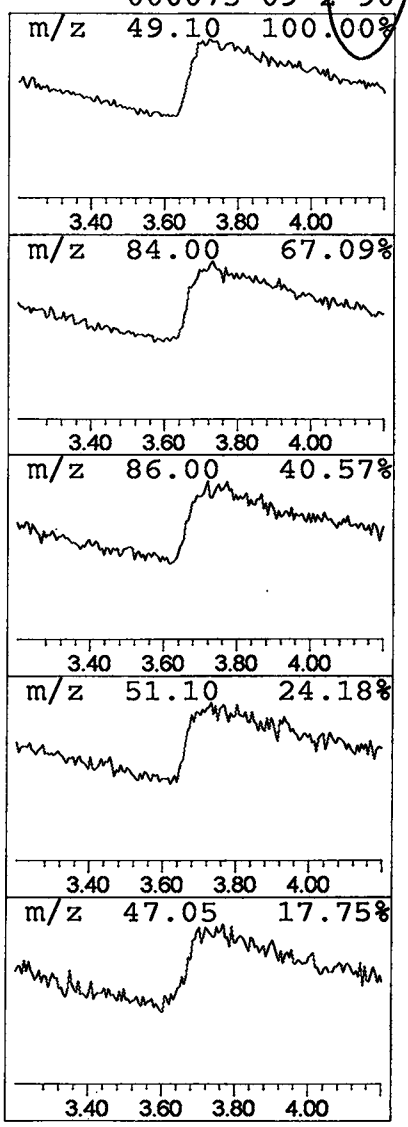
****

Peak Number 1 Methylene Chloride Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.70	1.56 ug/L	1049200	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methylene Chloride	84	CH2Cl2	000075-09-2	94
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	90





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052202\11901.D Vial: 8
Acq On : 22 May 2002 7:31 pm Operator: Mclean
Sample : 5/21 ad Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

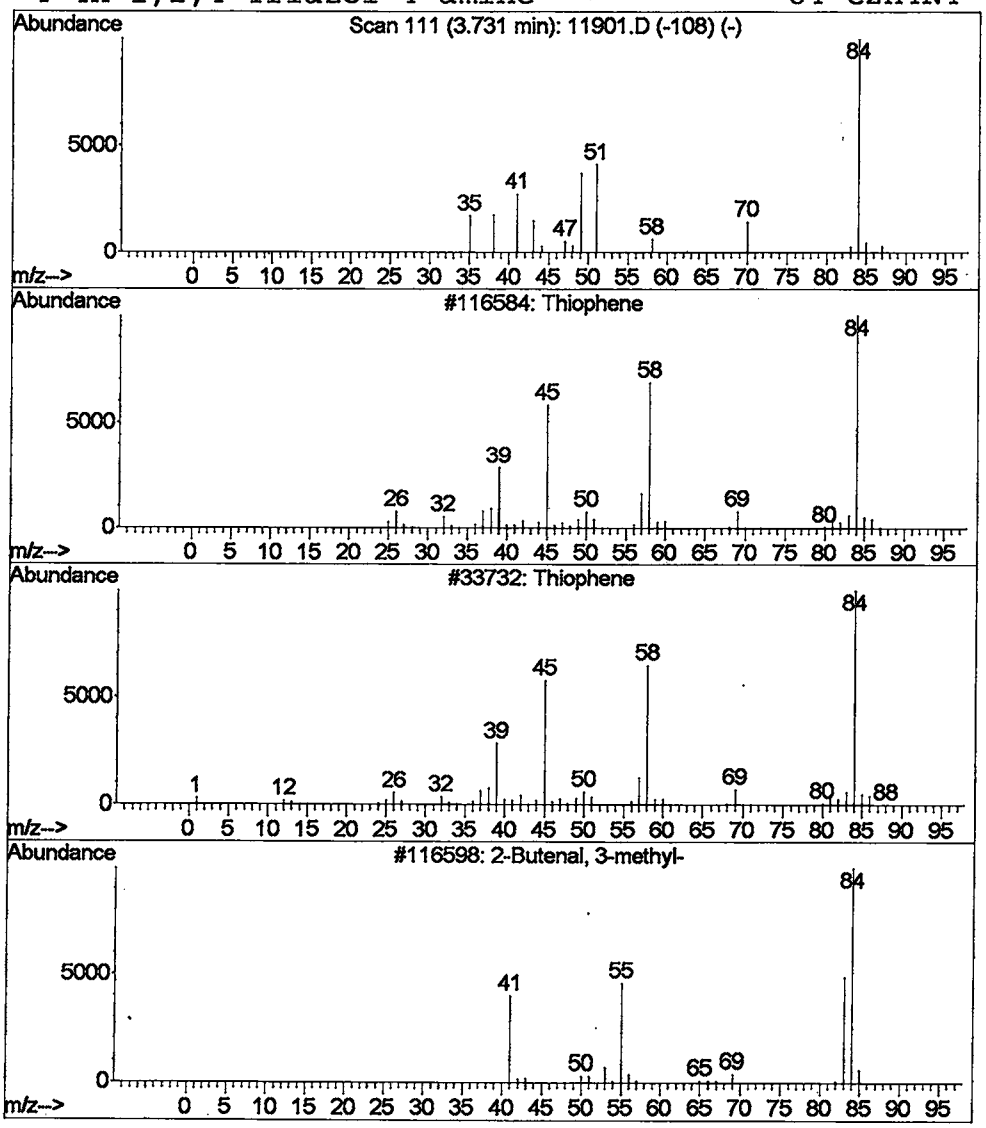
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

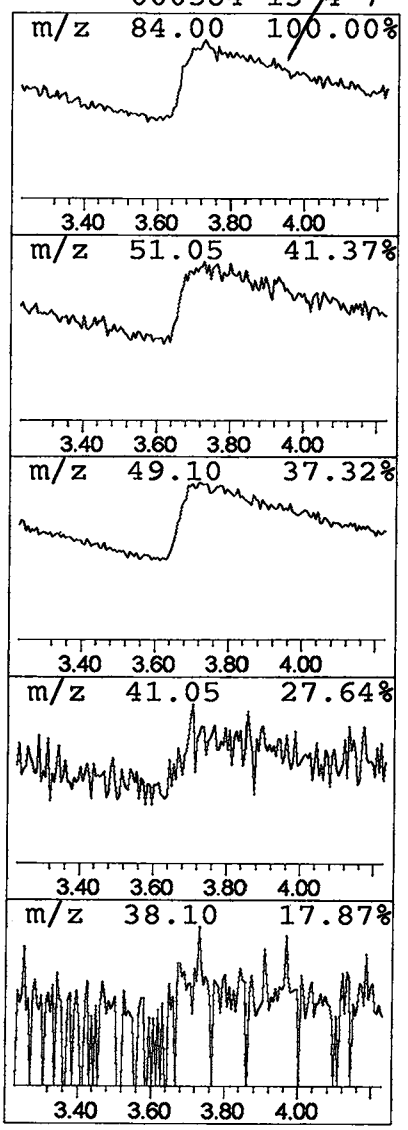
****

Peak Number 2 Thiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.73	1.55 ug/L	1044870	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene	84	C4H4S	000110-02-1	7
2	Thiophene	84	C4H4S	000110-02-1	7
3	2-Butenal, 3-methyl-	84	C5H8O	000107-86-8	7
4	4H-1,2,4-Triazol-4-amine	84	C2H4N4	000584-13-4	7





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052202\11901.D
Acq On : 22 May 2002 7:31 pm
Sample : 5/21 ad
Misc :
MS Integration Params: LSCINT.e

Vial: 8
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

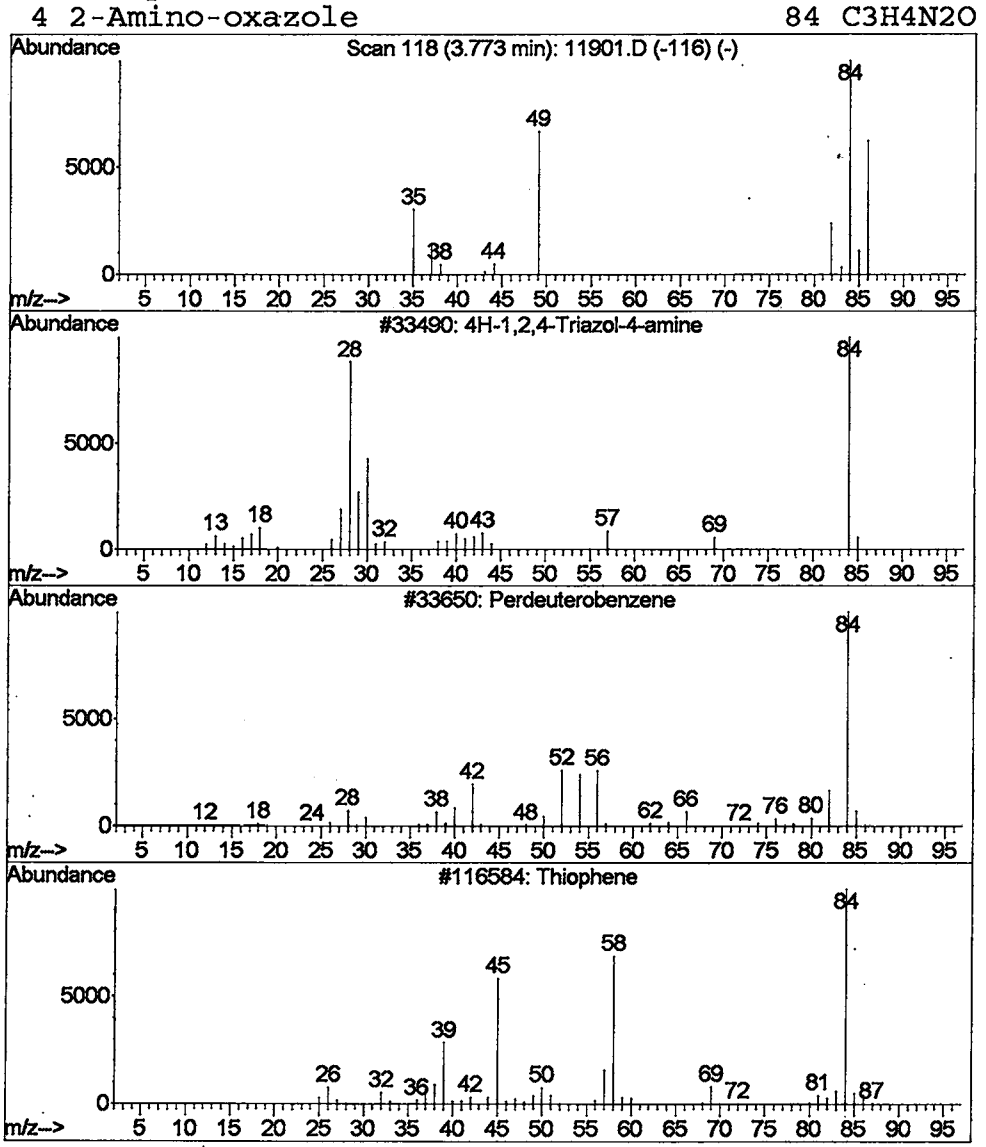
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

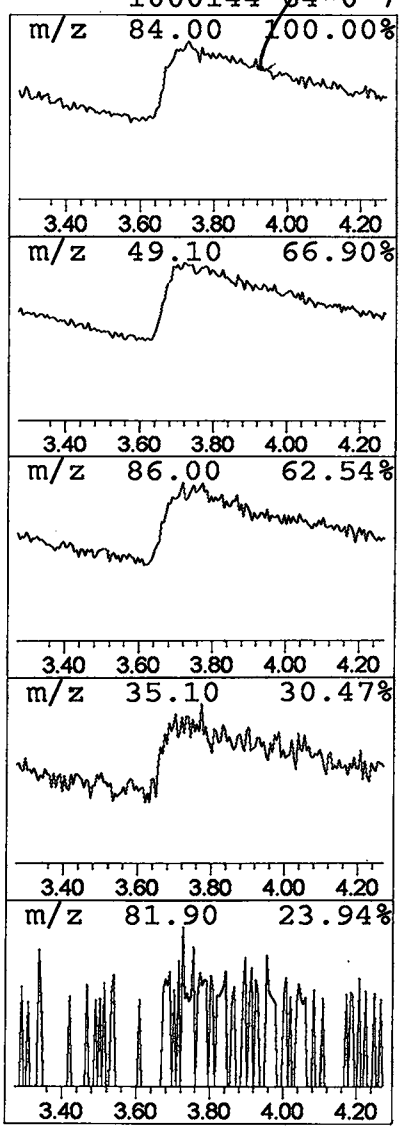
****

Peak Number 3 4H-1,2,4-Triazol-4-amine Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.77	1.46 ug/L	980566	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-1,2,4-Triazol-4-amine	84	C2H4N4	000584-13-4	9
2	Perdeuterobenzene	84	C6D6	001076-43-3	7
3	Thiophene	84	C4H4S	000110-02-1	7
4	2-Amino-oxazole	84	C3H4N2O	1000144-64-0	7





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052202\11901.D Vial: 8
Acq On : 22 May 2002 7:31 pm Operator: Mclean
Sample : 5/21 ad Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

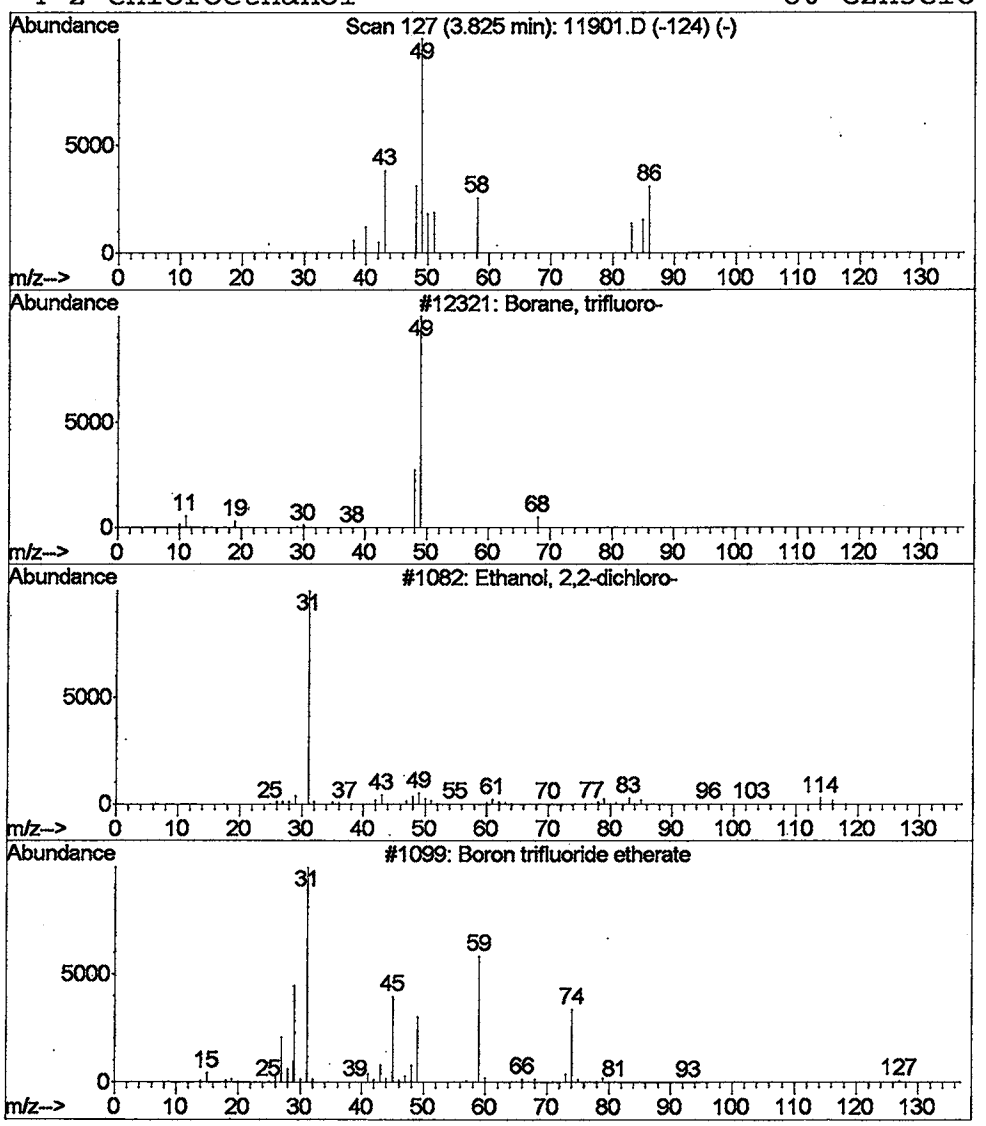
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

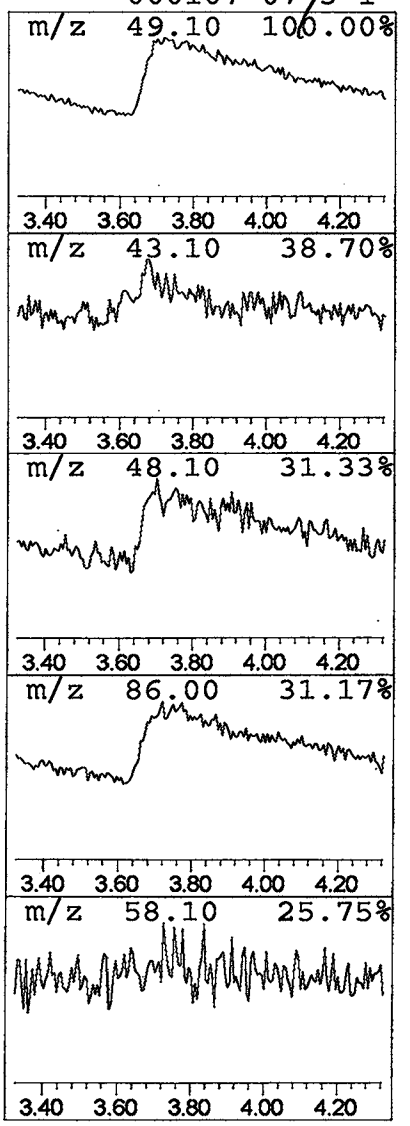
****

Peak Number 4 Borane, trifluoro- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.83	2.25 ug/L	1512630	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Borane, trifluoro-	68	BF3	007637-07-2	2
2	Ethanol, 2,2-dichloro-	114	C2H4Cl2O	000598-38-9	2
3	Boron trifluoride etherate	142	C4H10BF3O	000109-63-7	2
4	2-Chloroethanol	80	C2H5ClO	000107-07-3	1





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052202\11901.D Vial: 8
Acq On : 22 May 2002 7:31 pm Operator: Mclean
Sample : 5/21 ad Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

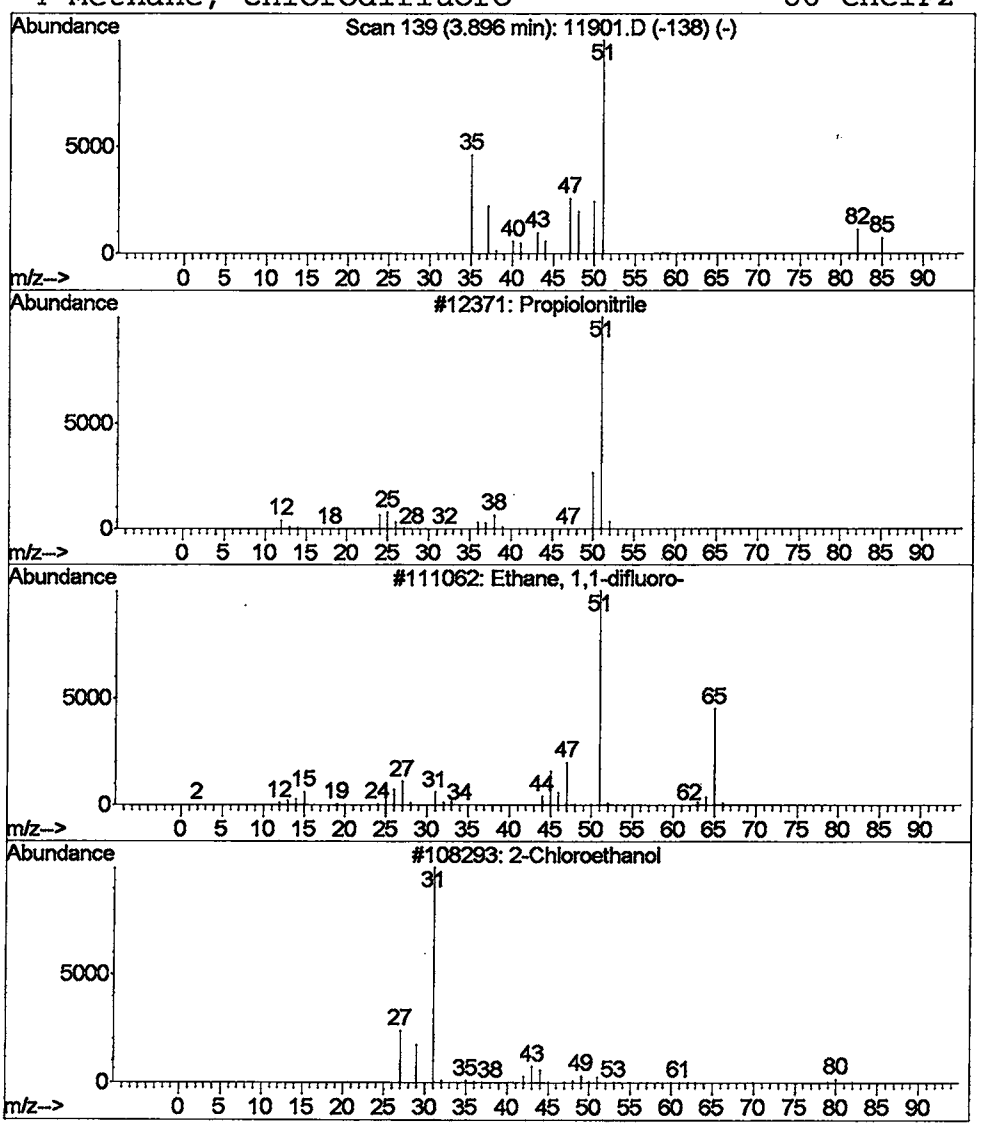
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

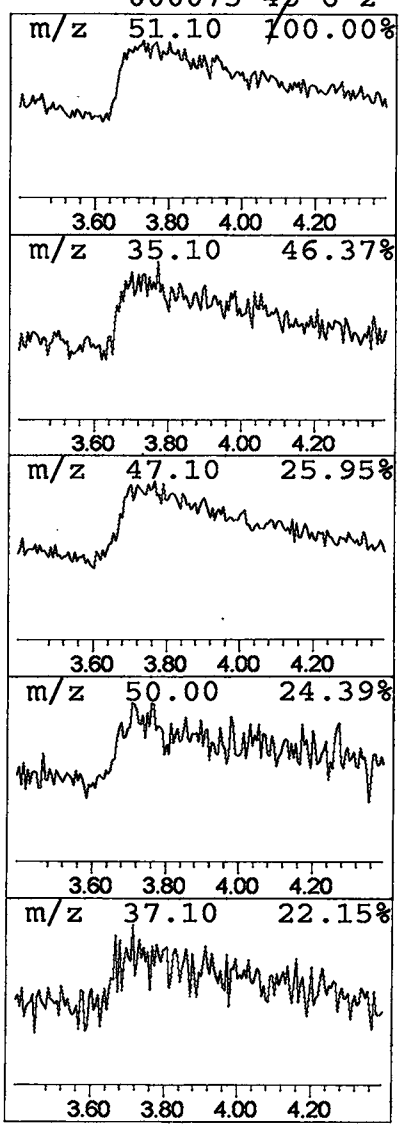
****

Peak Number 5 Propiolonitrile Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.90	0.59 ug/L	397399	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propiolonitrile	51	C3HN	001070-71-9	5
2	Ethane, 1,1-difluoro-	66	C2H4F2	000075-37-6	4
3	2-Chloroethanol	80	C2H5ClO	000107-07-3	2
4	Methane, chlorodifluoro-	86	CHClF2	000075-45-6	2





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052202\11901.D Vial: 8
Acq On : 22 May 2002 7:31 pm Operator: Mclean
Sample : 5/21 ad Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

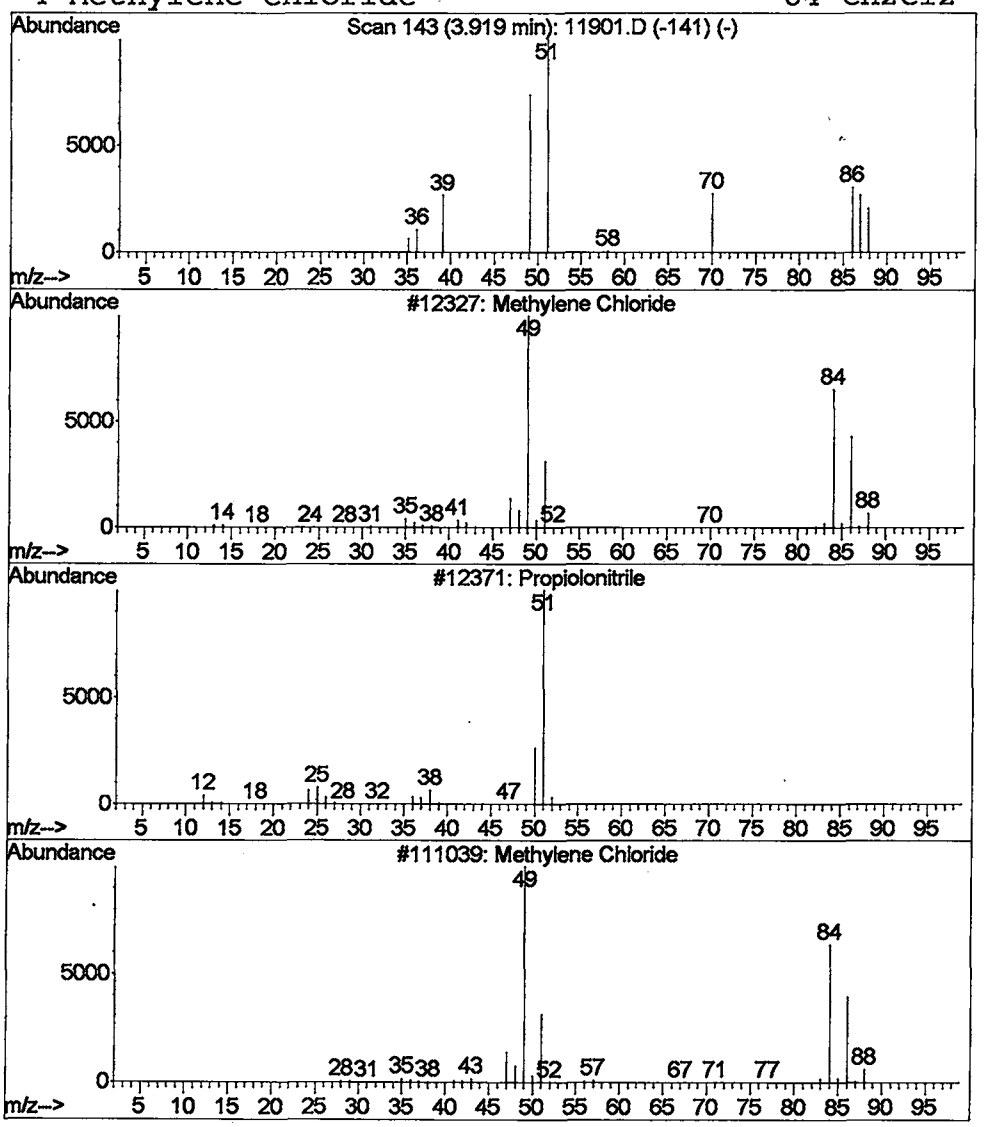
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

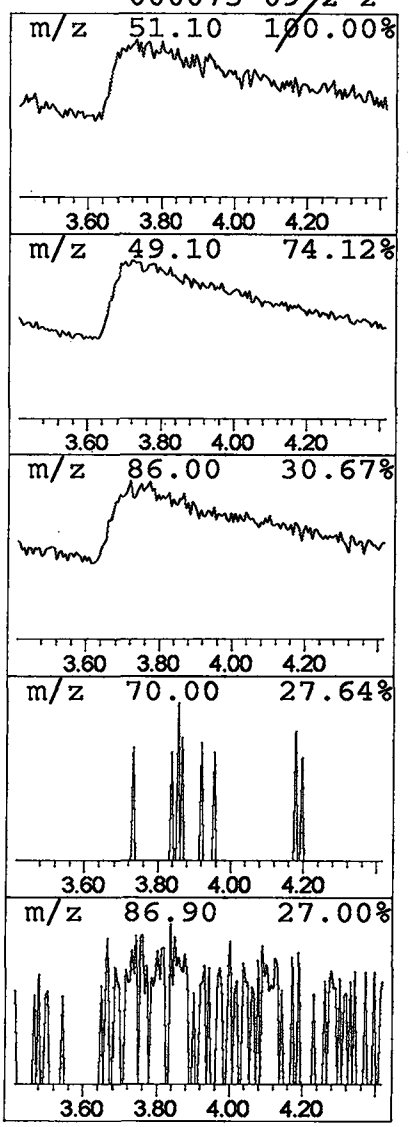
****

Peak Number 6 Methylene Chloride Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.92	2.83 ug/L	1907180	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methylene Chloride	84	CH2Cl2	000075-09-2	9
2	Propiolonitrile	51	C3HN	001070-71-9	3
3	Methylene Chloride	84	CH2Cl2	000075-09-2	2
4	Methylene Chloride	84	CH2Cl2	000075-09-2	2





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052202\11901.D
Acq On : 22 May 2002 7:31 pm
Sample : 5/21 ad
Misc :
MS Integration Params: LSCINT.e

Vial: 8
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

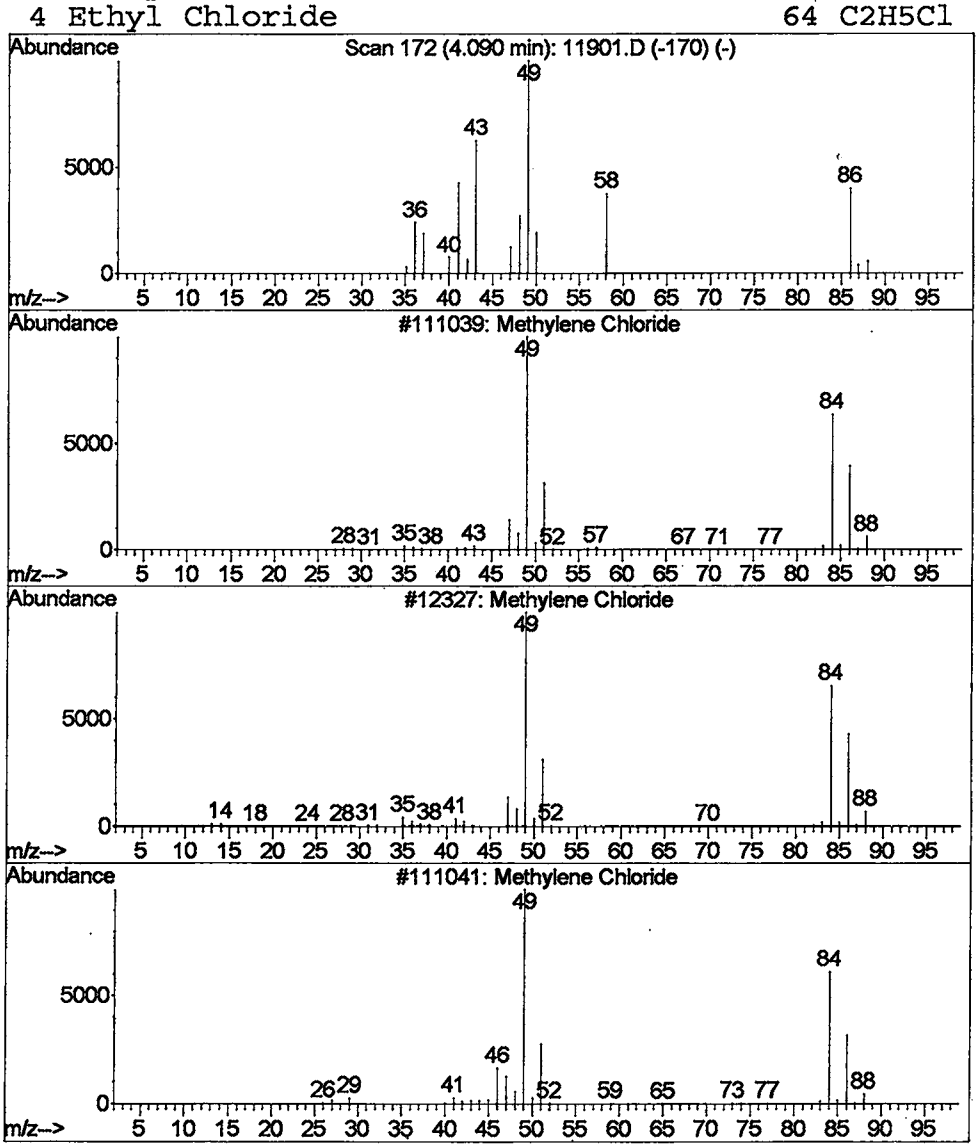
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

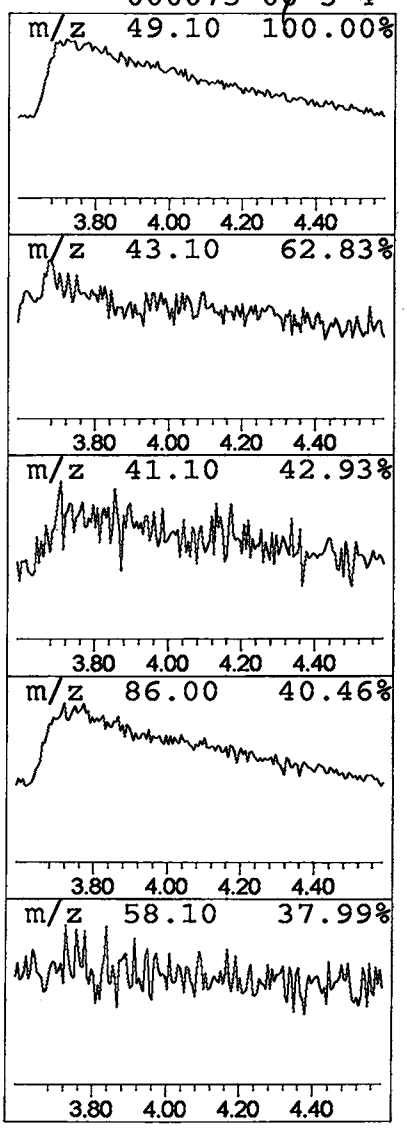
****

Peak Number 7 Methylene Chloride Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.09	0.73 ug/L	493611	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methylene Chloride	84	CH2Cl2	000075-09-2	53
2	Methylene Chloride	84	CH2Cl2	000075-09-2	53
3	Methylene Chloride	84	CH2Cl2	000075-09-2	36
4	Ethyl Chloride	64	C2H5Cl	000075-00-3	4





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052202\11901.D Vial: 8
Acq On : 22 May 2002 7:31 pm Operator: Mclean
Sample : 5/21 ad Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

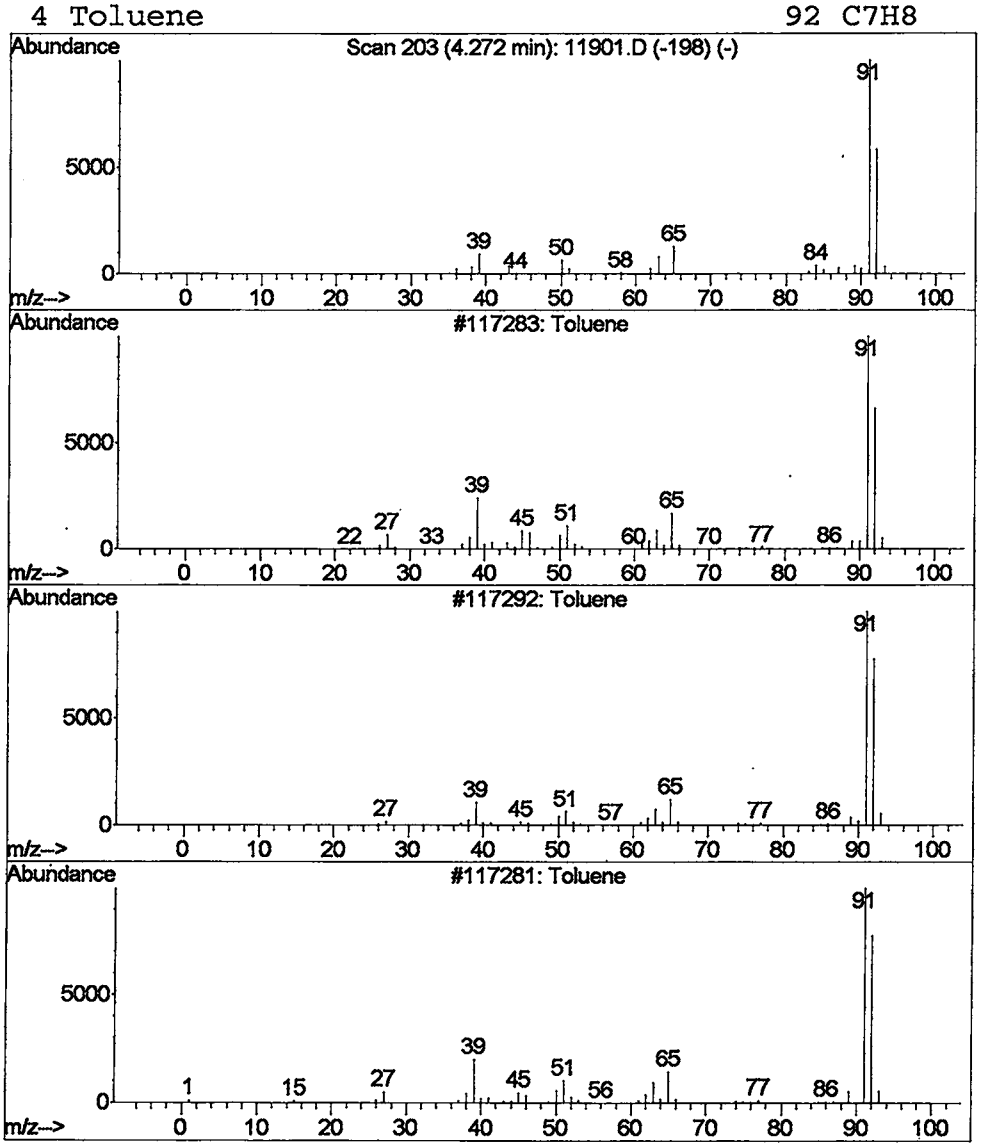
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

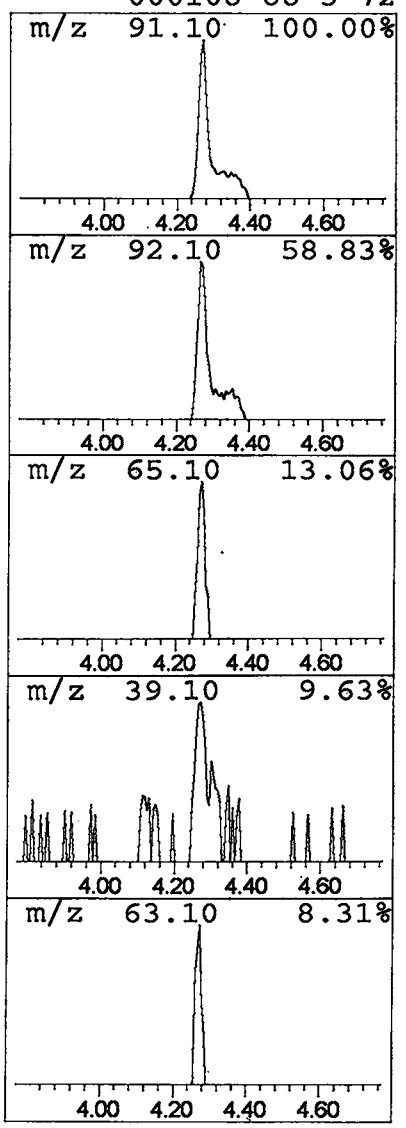
****

Peak Number 8 Toluene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.27	2.08 ug/L	1398360	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Toluene	92	C7H8	000108-88-3	86
2	Toluene	92	C7H8	000108-88-3	86
3	Toluene	92	C7H8	000108-88-3	80
4	Toluene	92	C7H8	000108-88-3	72





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052202\11901.D Vial: 8
Acq On : 22 May 2002 7:31 pm Operator: Mclean
Sample : 5/21 ad Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

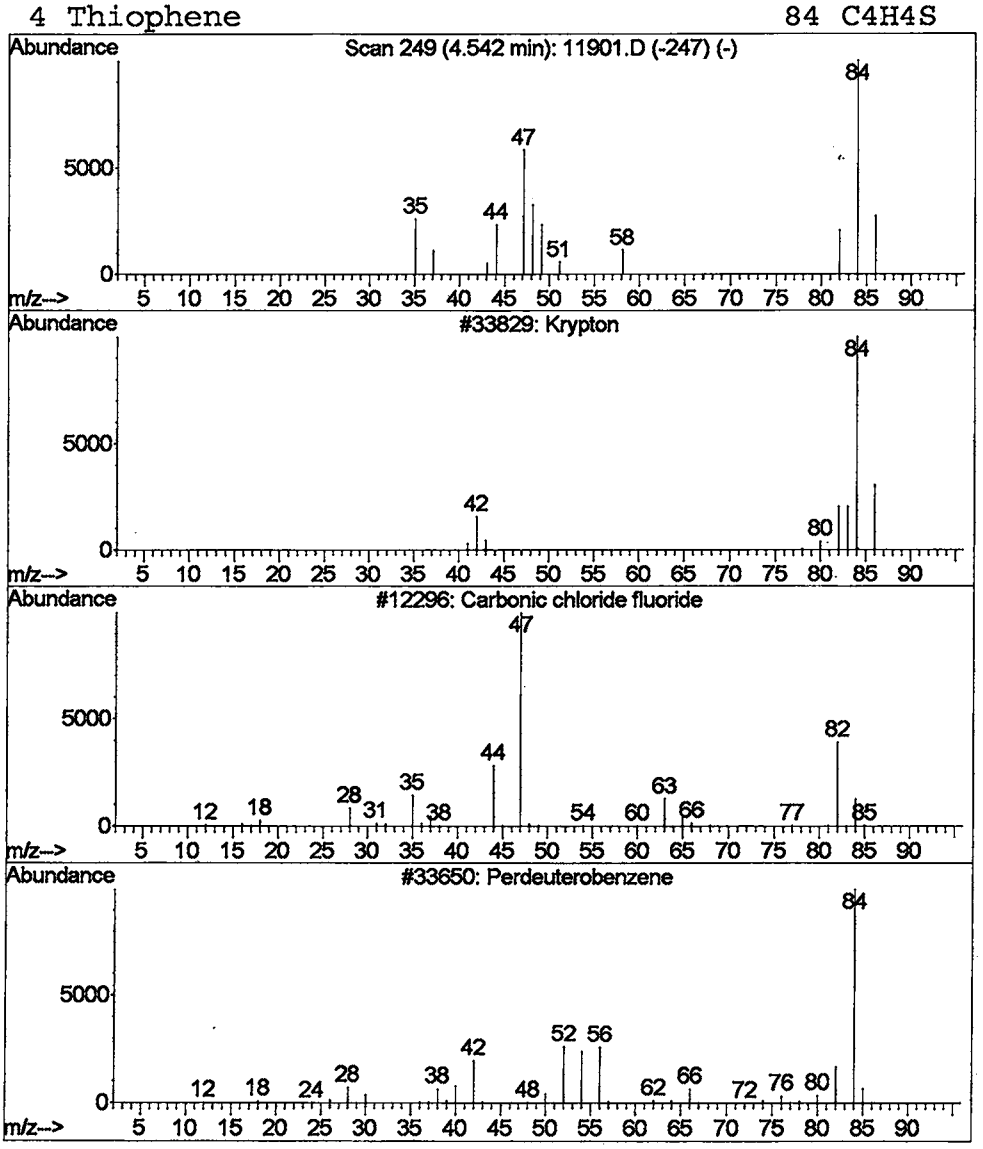
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

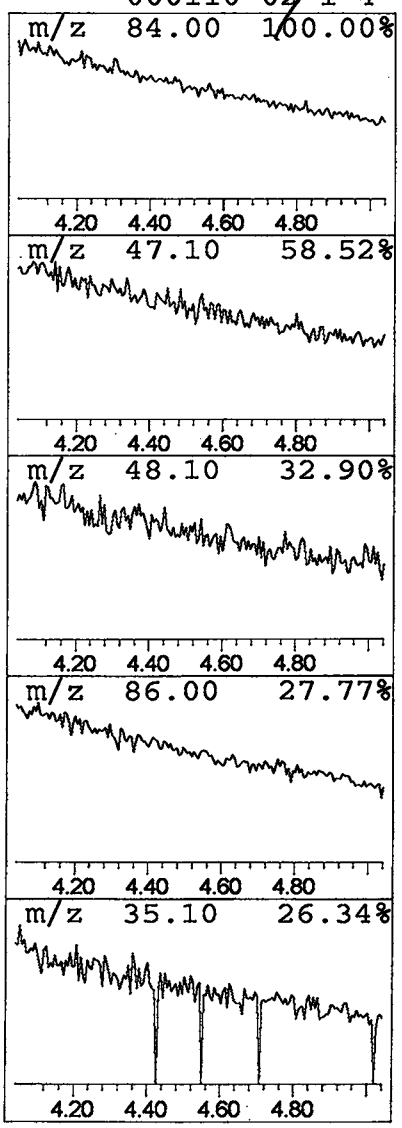
****

Peak Number 9 Krypton Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.54	0.63 ug/L	421668	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Krypton	84	Kr	007439-90-9	25
2	Carbonic chloride fluoride	82	CClFO	000353-49-1	5
3	Perdeuterobenzene	84	C6D6	001076-43-3	4
4	Thiophene	84	C4H4S	000110-02-1	4





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052202\11901.D Vial: 8
Acq On : 22 May 2002 7:31 pm Operator: Mclean
Sample : 5/21 ad Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

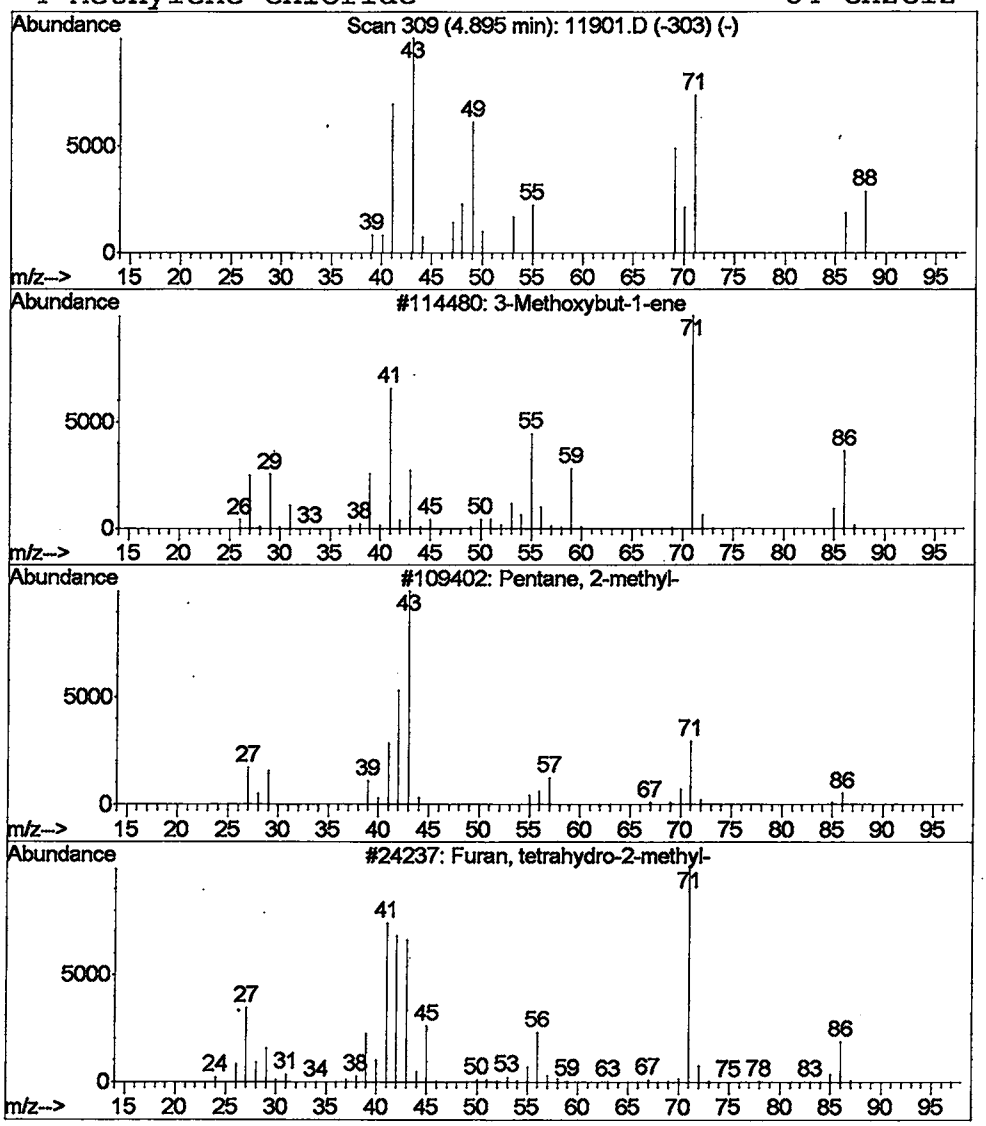
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

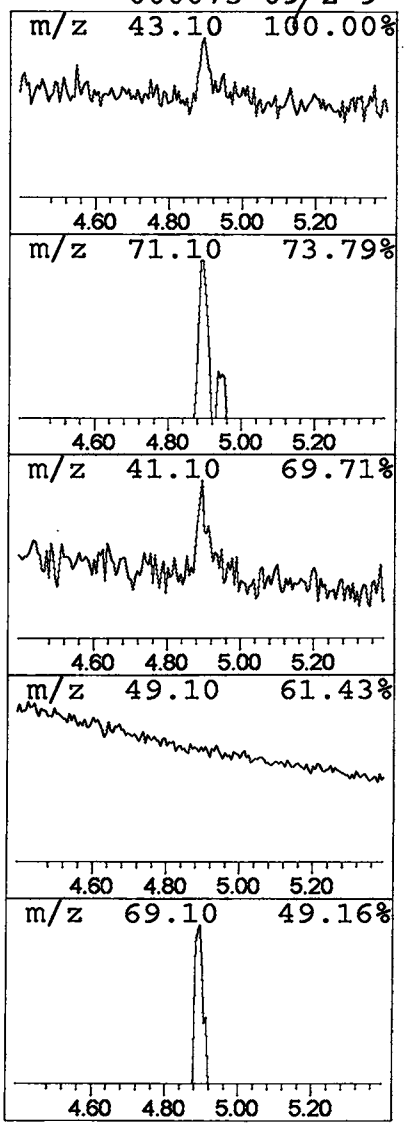
****

Peak Number 10 3-Methoxybut-1-ene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.89	0.45 ug/L	302529	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methoxybut-1-ene	86	C5H10O	017351-24-5	9
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	9
3	Furan, tetrahydro-2-methyl-	86	C5H10O	000096-47-9	9
4	Methylene Chloride	84	CH2Cl2	000075-09-2	9





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052202\11901.D Vial: 8
Acq On : 22 May 2002 7:31 pm Operator: Mclean
Sample : 5/21 ad Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

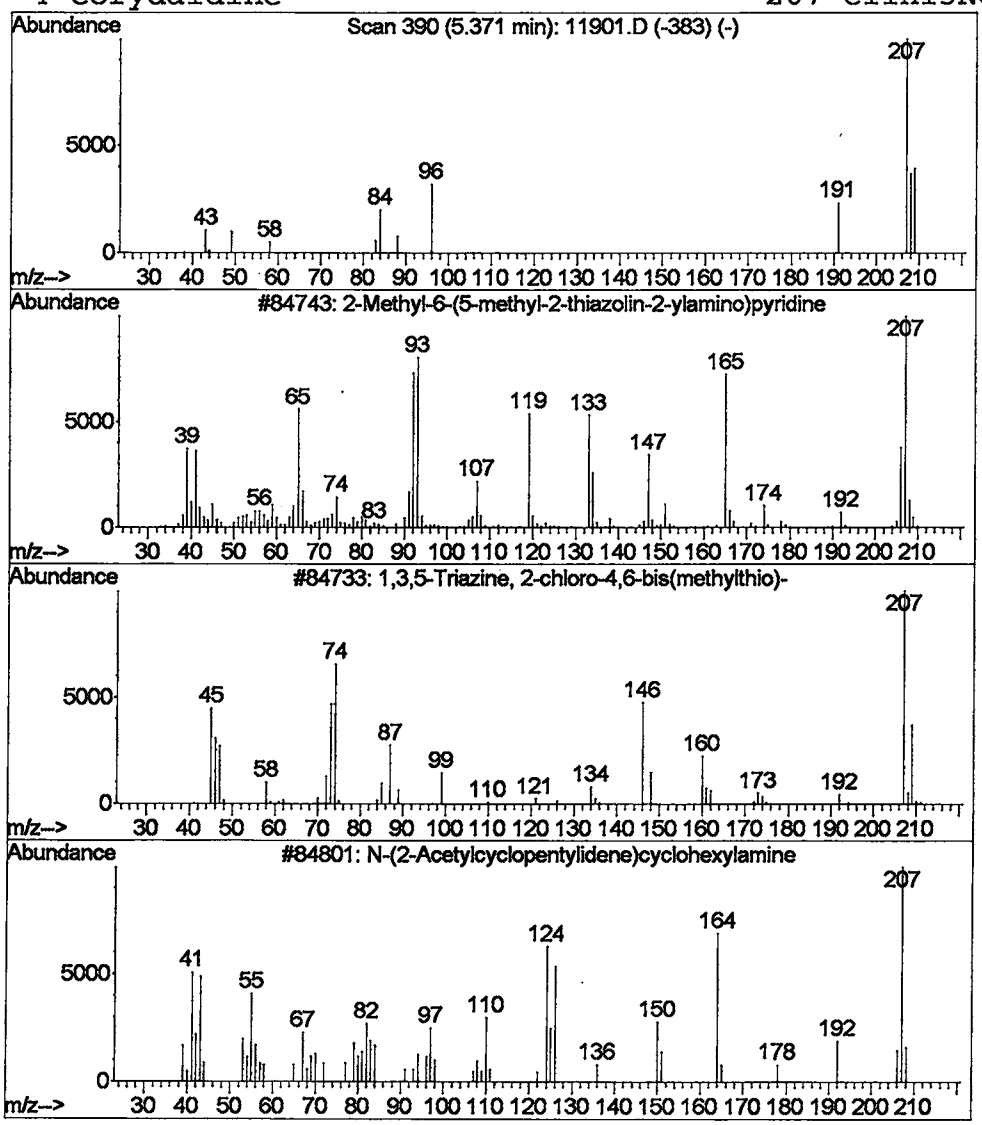
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

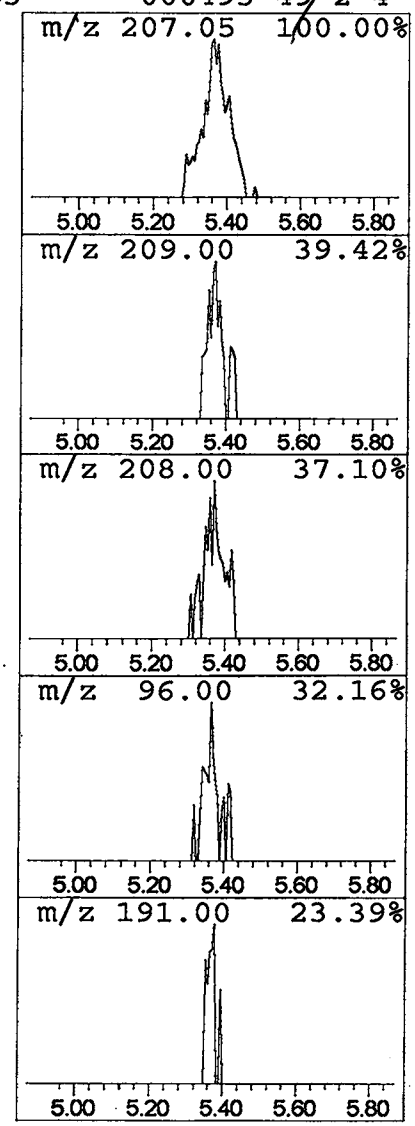
****

Peak Number 11 2-Methyl-6-(5-methyl-2-thia... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.37	0.46 ug/L	307816	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyl-6-(5-methyl-2-thiazolin...	207	C10H13N3S	1000225-39-3	5
2	1,3,5-Triazine, 2-chloro-4,6-bis...	207	C5H6ClN3S2	004407-40-3	5
3	N-(2-Acetylcyclopentylidene)cycl...	207	C13H21NO	1000100-48-5	4
4	Corydaldine	207	C11H13NO3	000493-49-2	4





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052202\11901.D Vial: 8
Acq On : 22 May 2002 7:31 pm Operator: Mclean
Sample : 5/21 ad Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

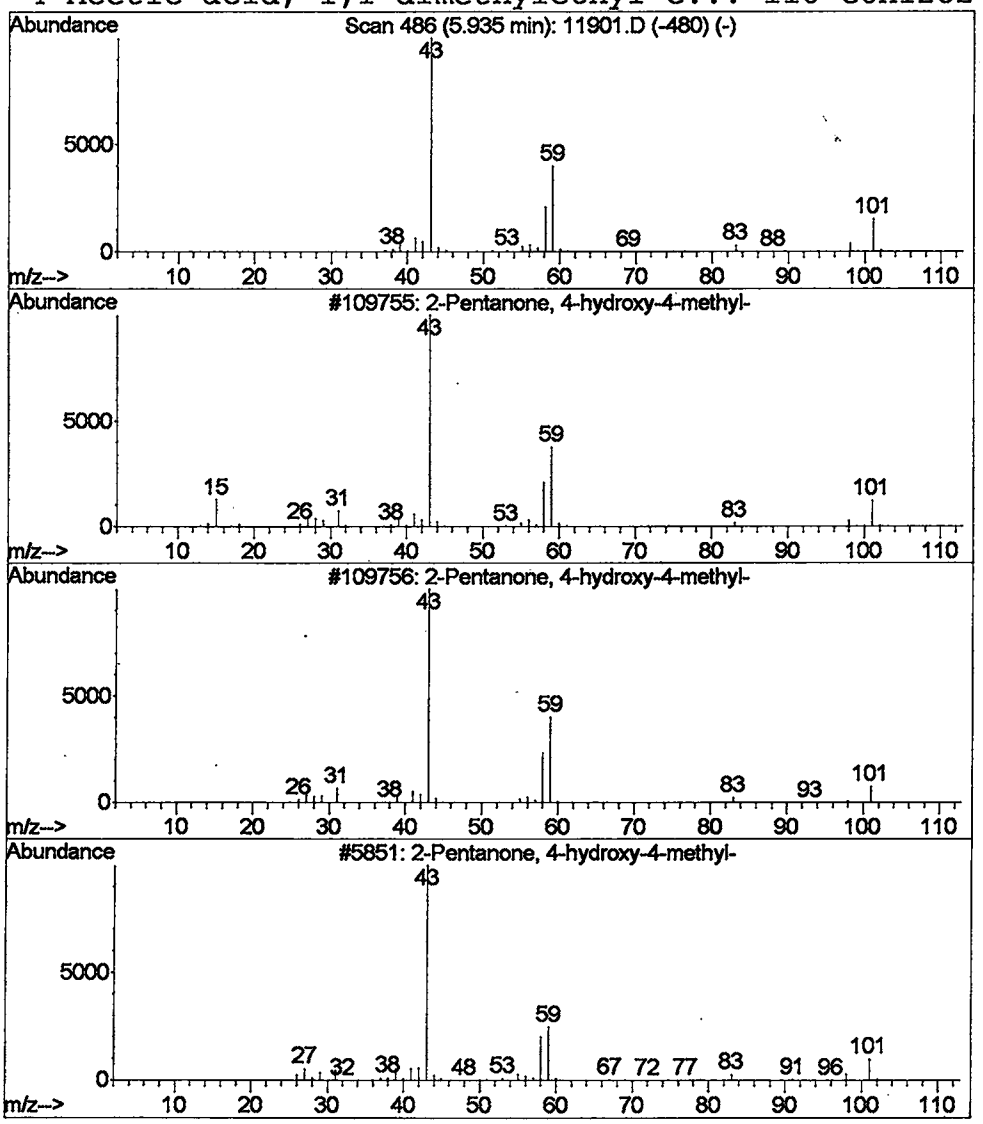
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

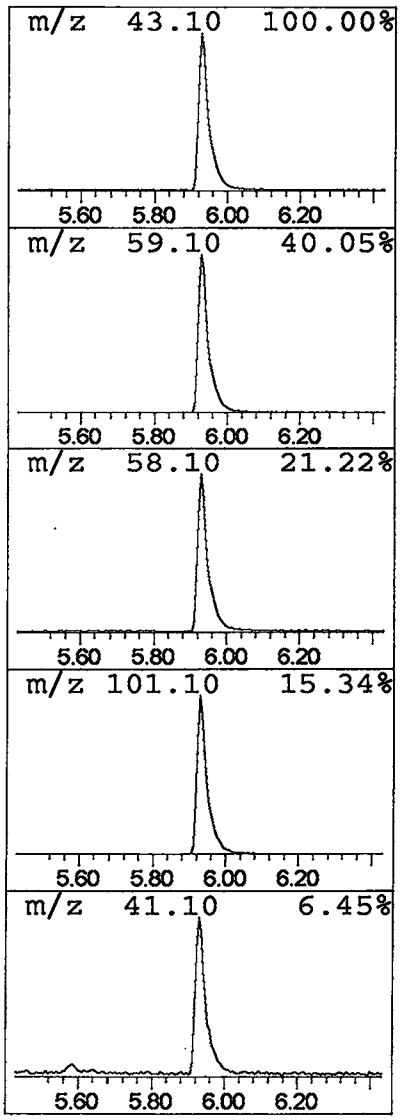
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.93	11.97 ug/L	8057160	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	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	47
4	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	25





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052202\11901.D Vial: 8
Acq On : 22 May 2002 7:31 pm Operator: Mclean
Sample : 5/21 ad Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

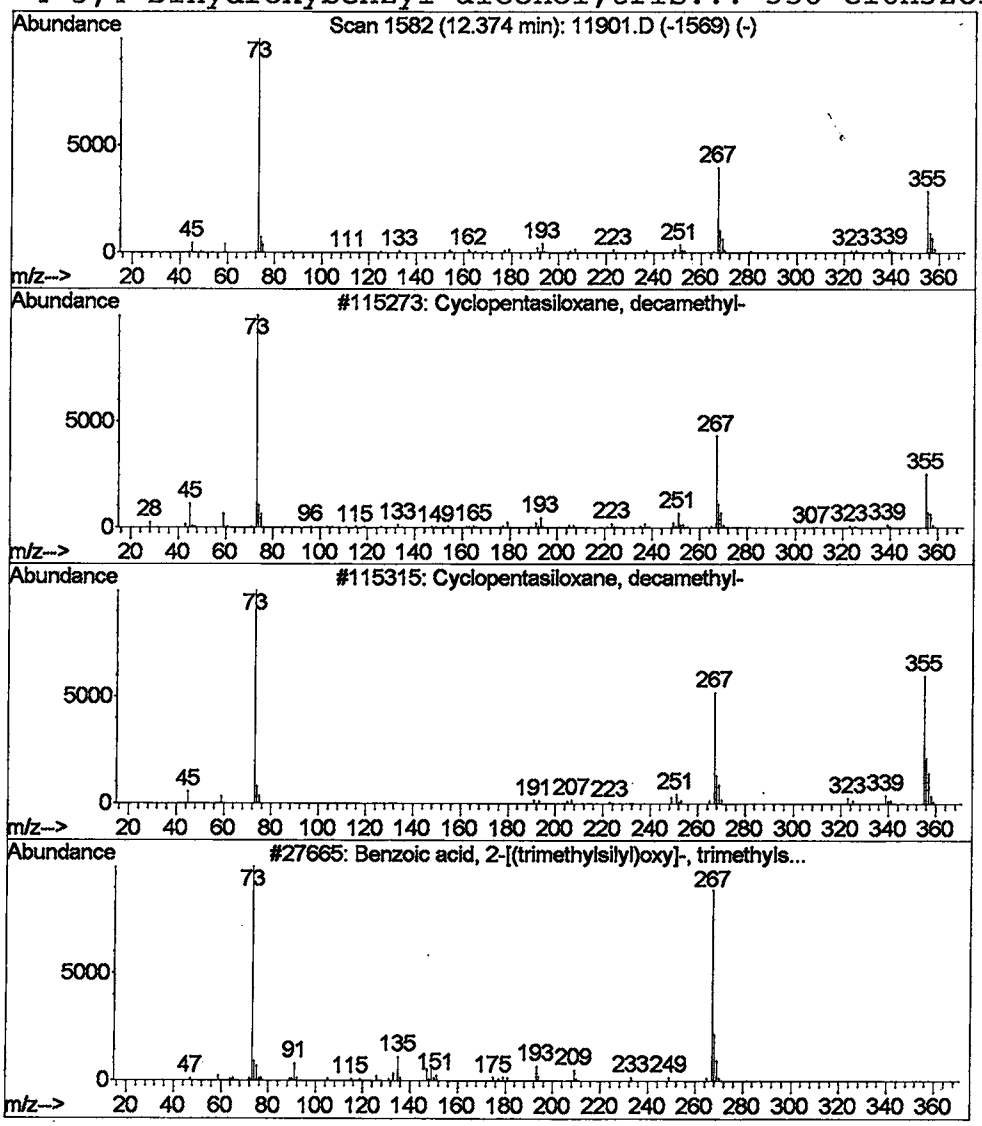
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

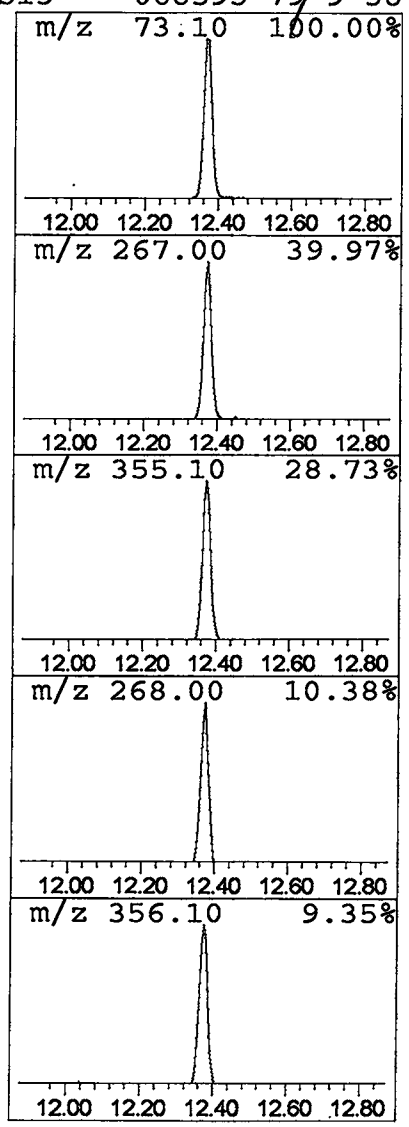
****

Peak Number 13 Cyclopentasiloxane, decamet... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	1.42 ug/L	1293550	Napthalene-d8	13.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentasiloxane, decamethyl-	370	C10H30O5Si5	000541-02-6	68
2	Cyclopentasiloxane, decamethyl-	370	C10H30O5Si5	000541-02-6	58
3	Benzoic acid, 2-[(trimethylsilyl...	282	C13H22O3Si2	003789-85-3	38
4	3,4-Dihydroxybenzyl alcohol,tris...	356	C16H32O3Si3	068595-79-9	38





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052202\11901.D Vial: 8
Acq On : 22 May 2002 7:31 pm Operator: Mclean
Sample : 5/21 ad Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

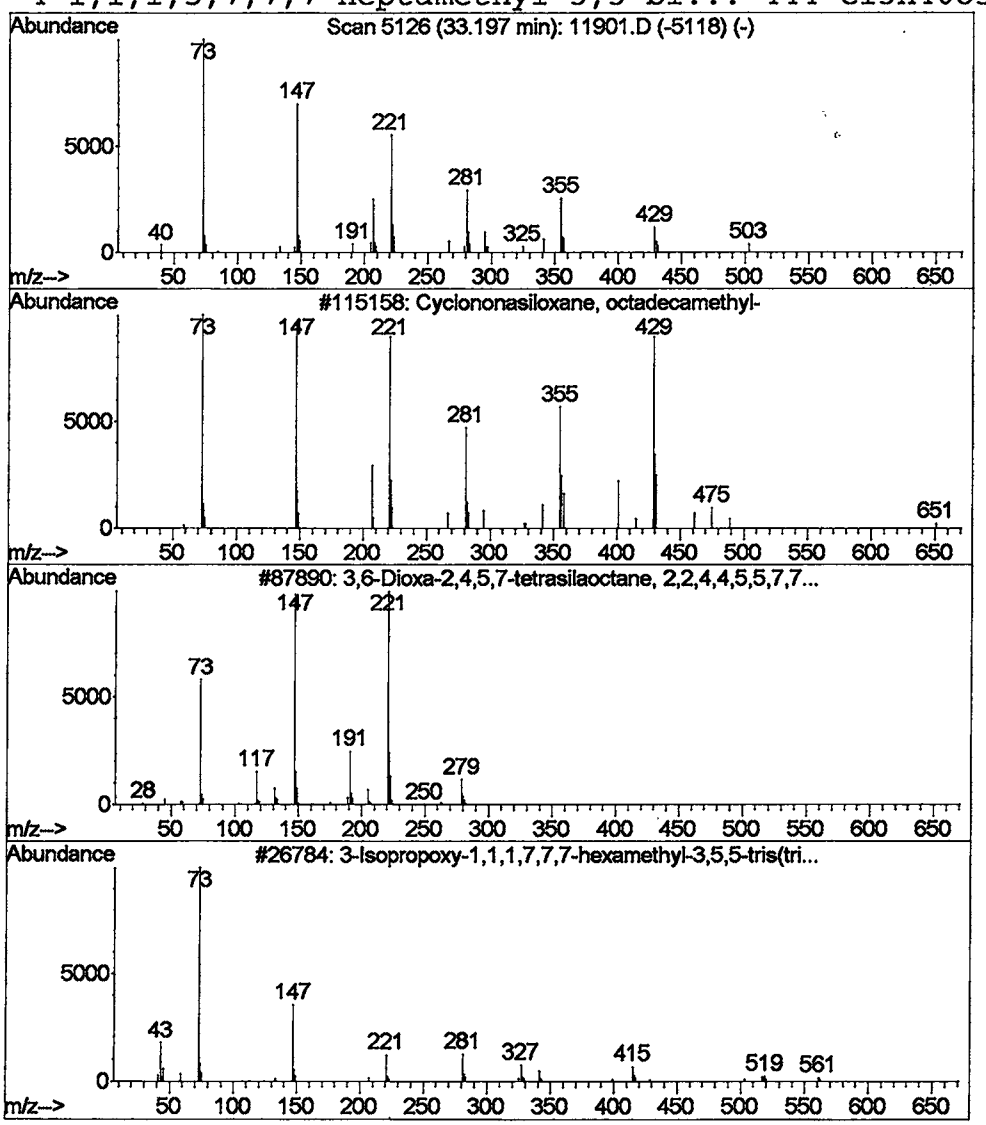
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

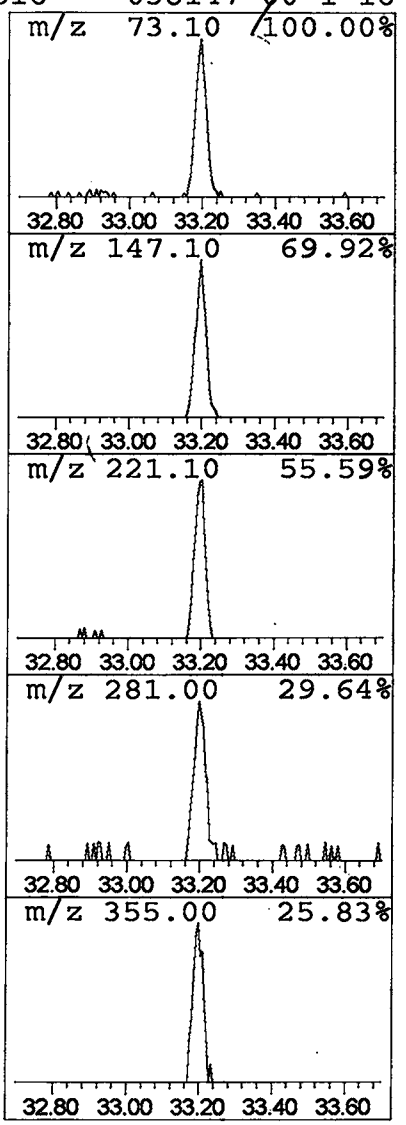
****

Peak Number 14 Cyclononasiloxane, octadeca... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
33.20	1.19 ug/L	557075	Perylene-d12	34.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclononasiloxane, octadecamethyl-	666	C18H54O9Si9	000556-71-8	64
2	3,6-Dioxa-2,4,5,7-tetrasilaoctan...	294	C10H30O2Si4	004342-25-0	32
3	3-Isopropoxy-1,1,1,7,7,7-hexamet...	576	C18H52O7Si7	071579-69-6	25
4	1,1,1,5,7,7,7-Heptamethyl-3,3-bi...	444	C13H40O5Si6	038147-00-1	16





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052202\11901.D Vial: 8
Acq On : 22 May 2002 7:31 pm Operator: Mclean
Sample : 5/21 ad Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

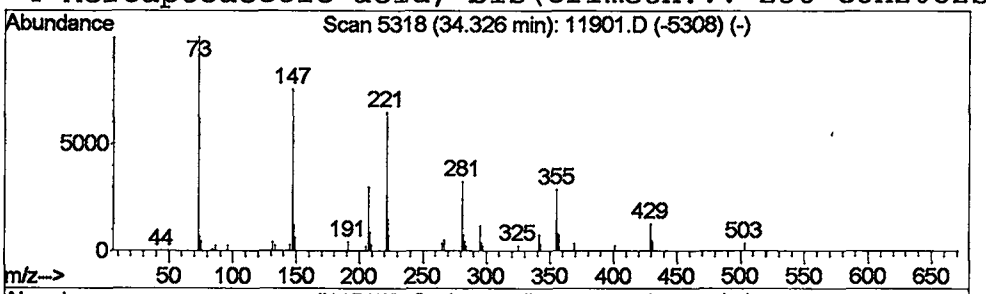
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

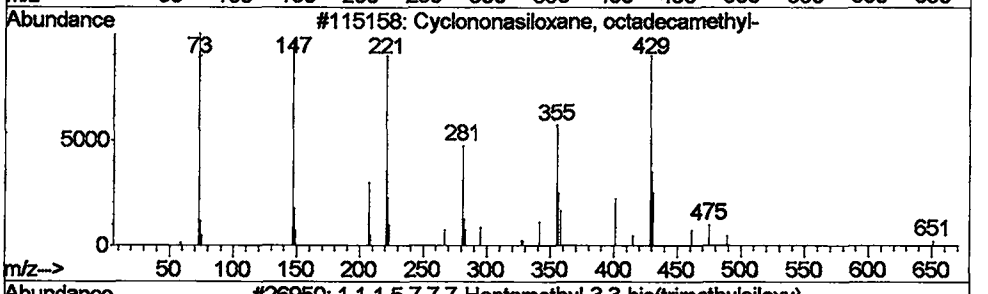
****

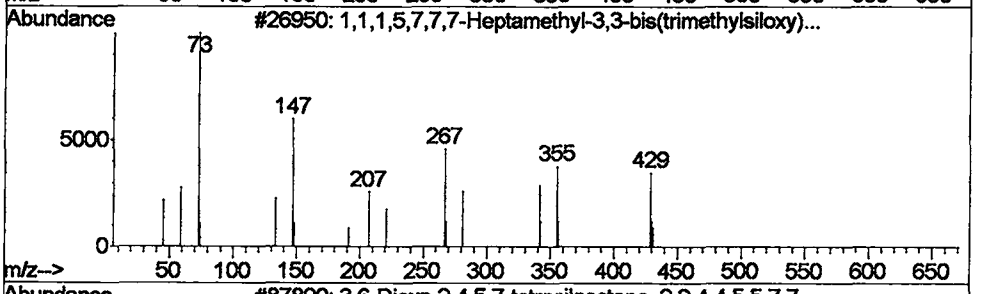
Peak Number 15 Cyclononasiloxane, octadeca... Concentration Rank 6

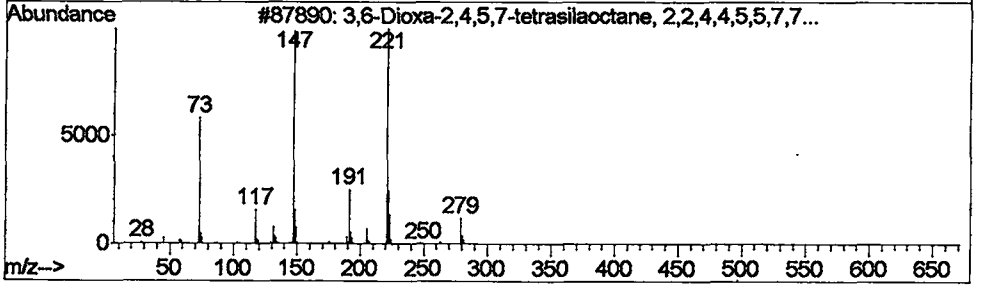
R.T.	EstConc	Area	Relative to ISTD	R.T.
34.32	1.74 ug/L	813603	Perylene-d12	34.66

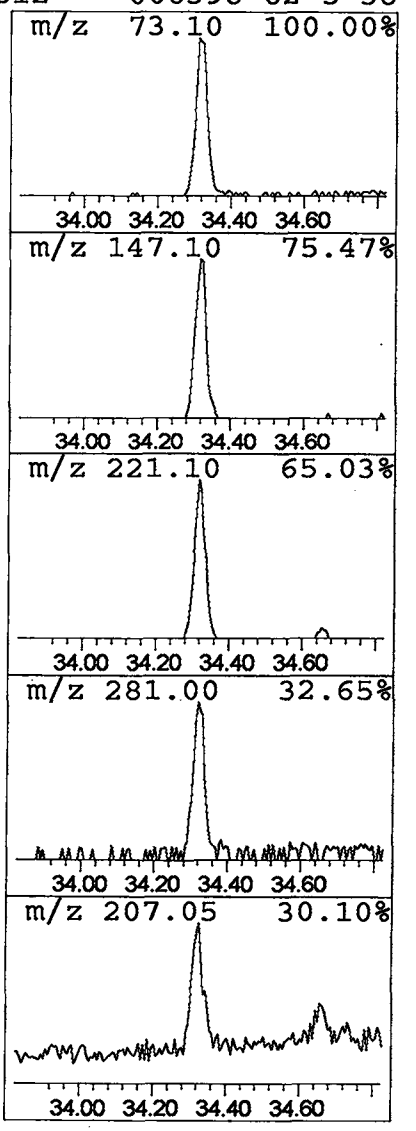
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclononasiloxane, octadecamethyl-	666	C18H54O9Si9	000556-71-8	87
2	1,1,1,5,7,7,7-Heptamethyl-3,3-bi...	444	C13H40O5Si6	038147-00-1	45
3	3,6-Dioxa-2,4,5,7-tetrasilaoctan...	294	C10H30O2Si4	004342-25-0	40
4	Mercaptoacetic acid, bis(trimeth...	236	C8H20O2SSi2	006398-62-5	38











Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052202\11901.D Vial: 8
Acq On : 22 May 2002 7:31 pm Operator: Mclean
Sample : 5/21 ad Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

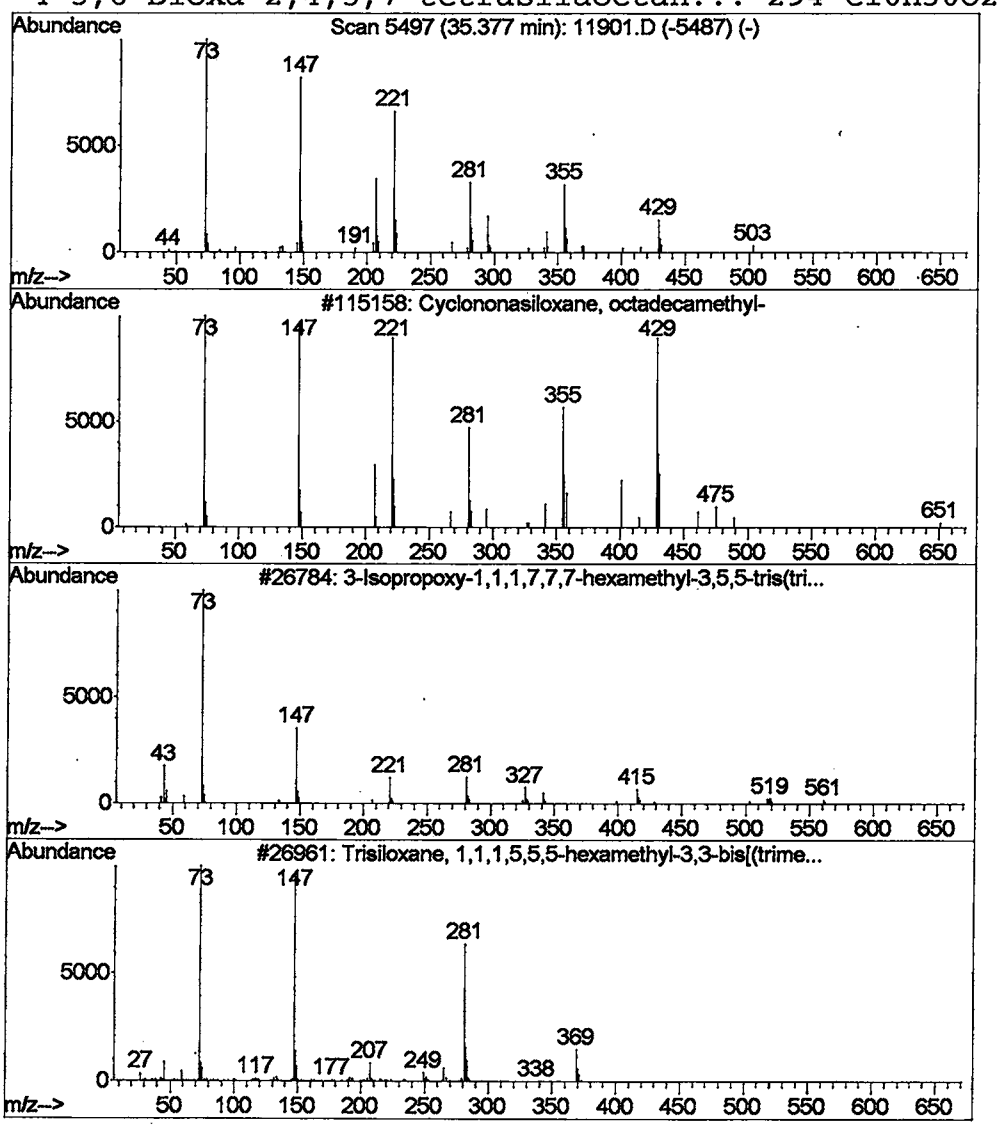
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

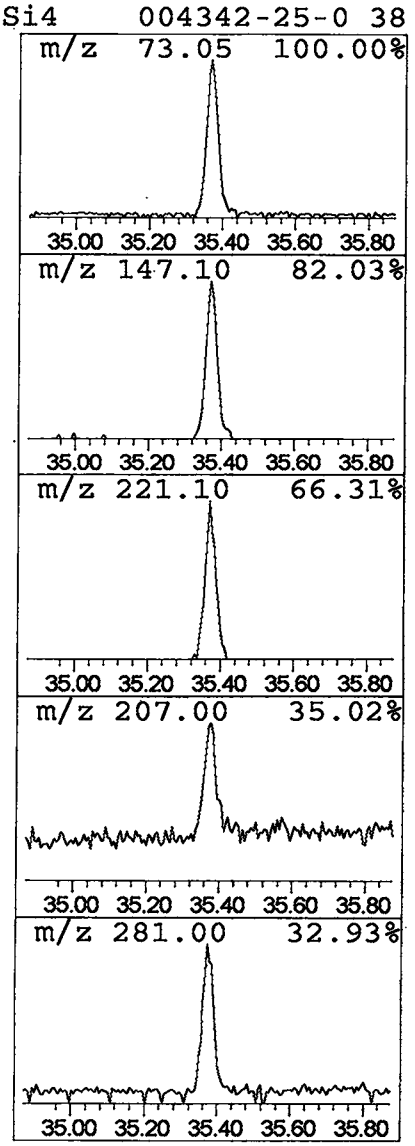
****

Peak Number 16 Cyclononasiloxane, octadeca... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
35.37	1.92 ug/L	900321	Perylene-d12	34.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclononasiloxane, octadecamethyl-	666	C18H54O9Si9	000556-71-8	91
2	3-Isopropoxy-1,1,1,7,7,7-hexamet...	576	C18H52O7Si7	071579-69-6	40
3	Trisiloxane, 1,1,1,5,5,5-hexamet...	384	C12H36O4Si5	003555-47-3	38
4	3,6-Dioxa-2,4,5,7-tetrasilaoctan...	294	C10H30O2Si4	004342-25-0	38





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052202\11901.D Vial: 8
Acq On : 22 May 2002 7:31 pm Operator: Mclean
Sample : 5/21 ad Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

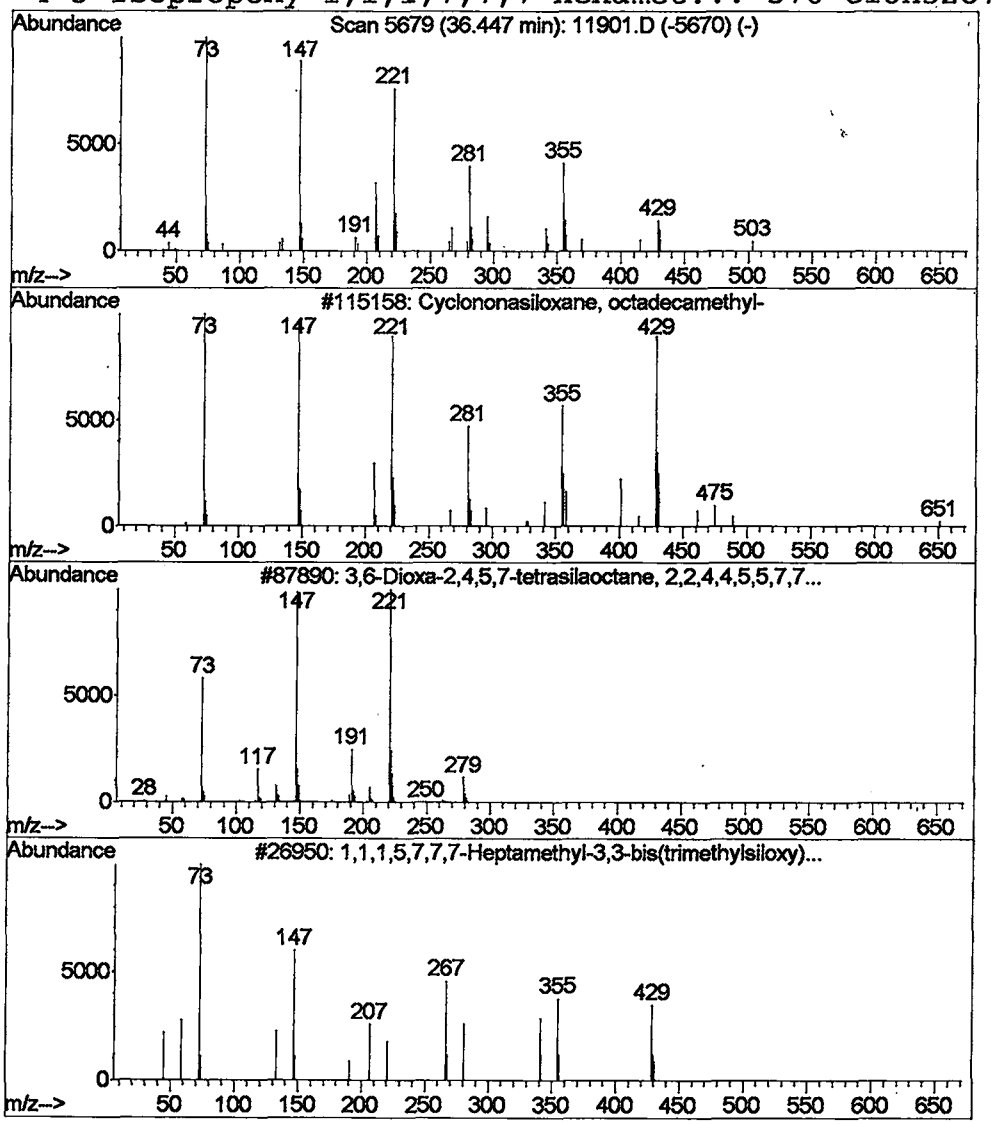
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

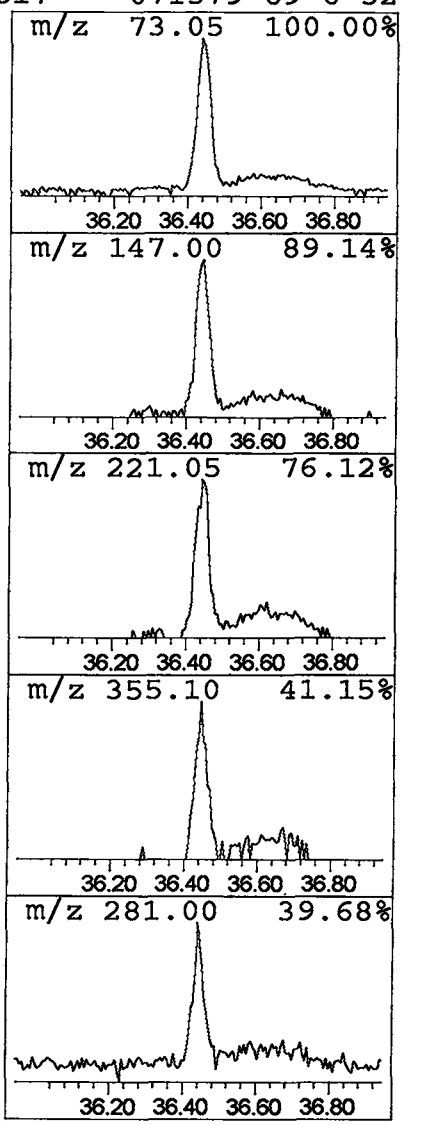
****

Peak Number 17 Cyclononasiloxane, octadeca... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
36.45	1.71 ug/L	801882	Perylene-d12	34.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclononasiloxane, octadecamethyl-	666	C18H54O9Si9	000556-71-8	86
2	3,6-Dioxa-2,4,5,7-tetrasilaoctan...	294	C10H30O2Si4	004342-25-0	37
3	1,1,1,5,7,7,7-Heptamethyl-3,3-bi...	444	C13H40O5Si6	038147-00-1	36
4	3-Isopropoxy-1,1,1,7,7,7-hexamet...	576	C18H52O7Si7	071579-69-6	32





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052202\11901.D Vial: 8
Acq On : 22 May 2002 7:31 pm Operator: Mclean
Sample : 5/21 ad Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

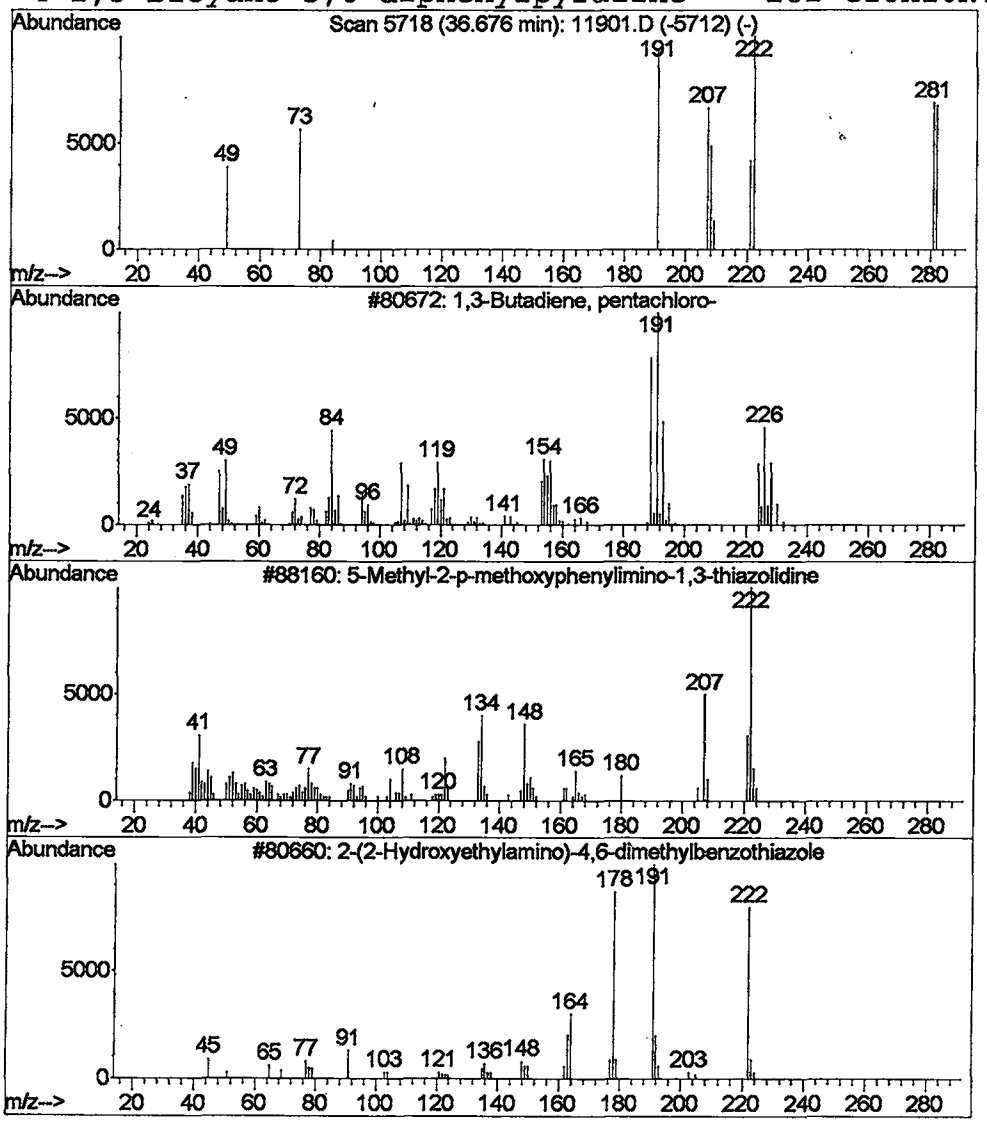
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

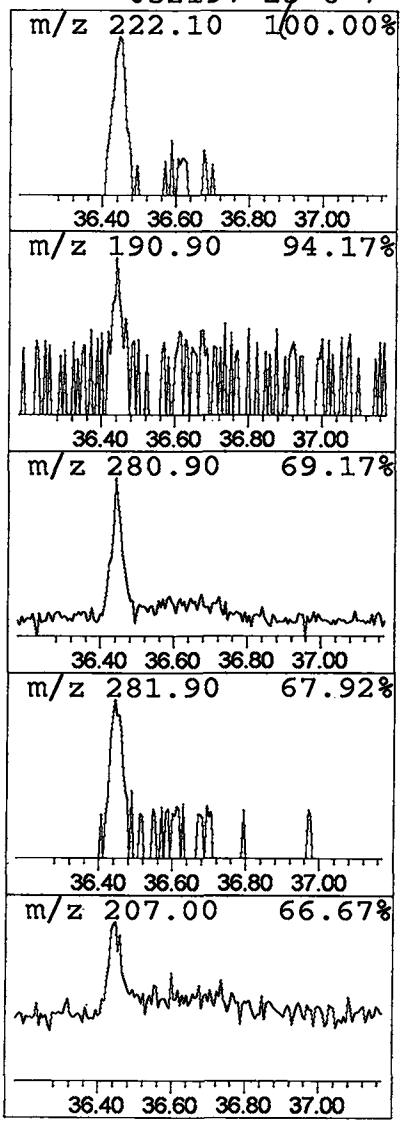
****

Peak Number 18 1,3-Butadiene, pentachloro- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
36.67	0.42 ug/L	194754	Perylene-d12	34.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Butadiene, pentachloro-	224	C4HCl5	055880-77-8	9
2	5-Methyl-2-p-methoxyphenylimino-...	222	C11H14N2OS	075220-49-4	9
3	2-(2-Hydroxyethylamino)-4,6-dime...	222	C11H14N2OS	068720-60-5	7
4	2,3-Dicyano-5,6-diphenylpyrazine	282	C18H10N4	052197-23-6	7





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052202\11901.D Vial: 8
Acq On : 22 May 2002 7:31 pm Operator: Mclean
Sample : 5/21 ad Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

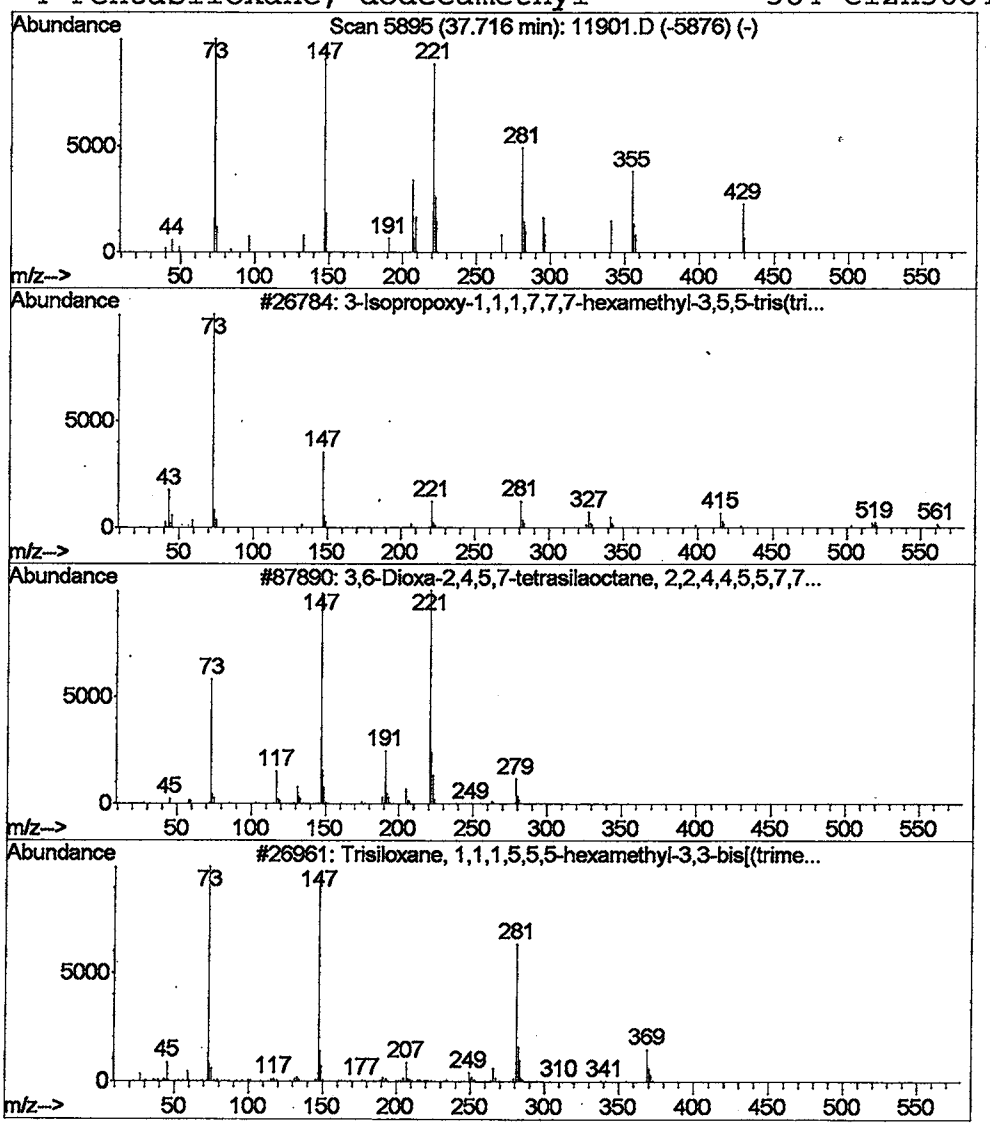
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

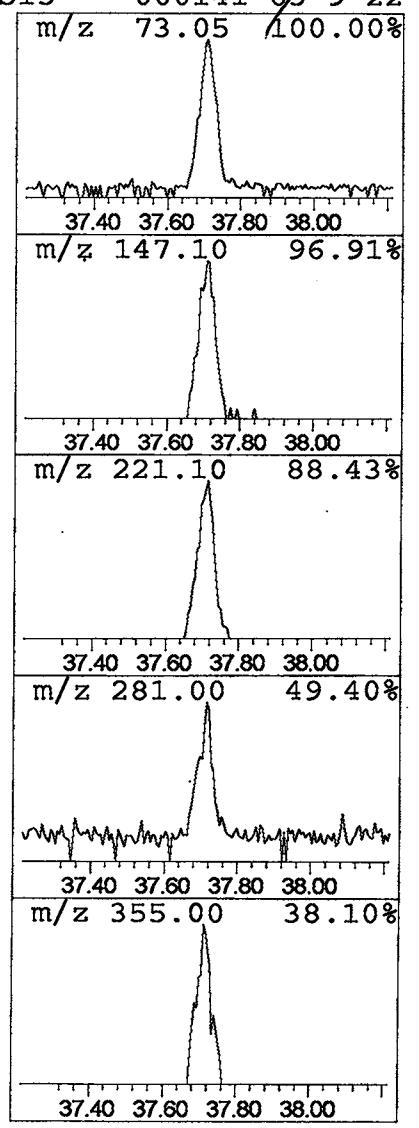
****

Peak Number 19 3-Isopropoxy-1,1,1,7,7,7-he... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
37.72	1.15 ug/L	538748	Perylene-d12	34.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Isopropoxy-1,1,1,7,7,7-hexamet...	576	C18H52O7Si7	071579-69-6	37
2	3,6-Dioxa-2,4,5,7-tetrasilaoctan...	294	C10H30O2Si4	004342-25-0	37
3	Trisiloxane, 1,1,1,5,5,5-hexamet...	384	C12H36O4Si5	003555-47-3	22
4	Pentasiloxane, dodecamethyl-	384	C12H36O4Si5	000141-63-9	22





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052202\11901.D Vial: 8
Acq On : 22 May 2002 7:31 pm Operator: Mclean
Sample : 5/21 ad Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

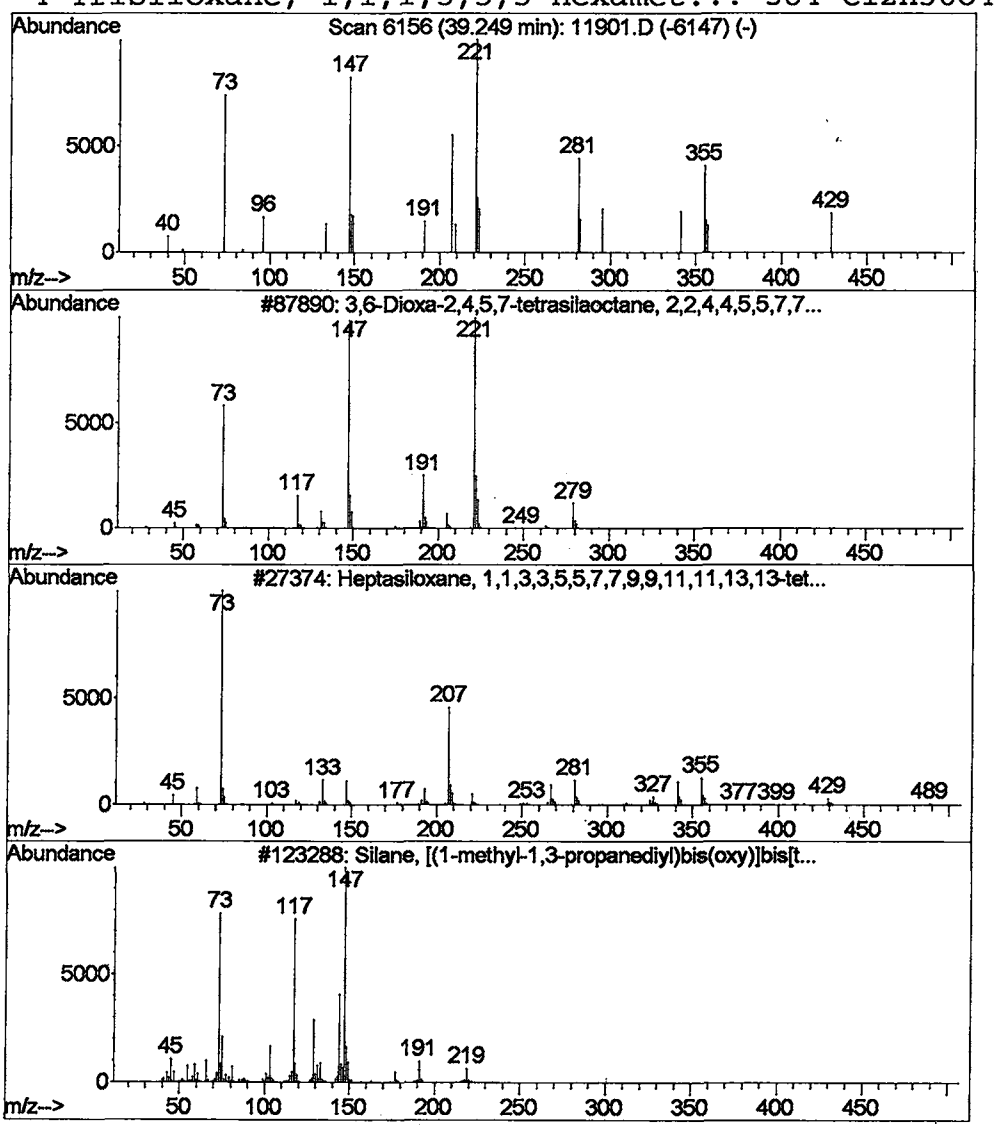
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

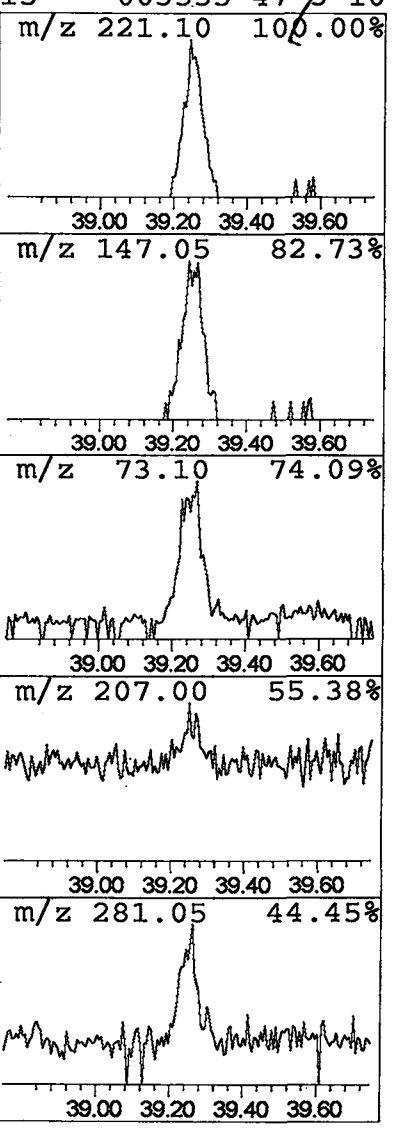
****

Peak Number 20 3,6-Dioxa-2,4,5,7-tetrasila... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
39.25	0.67 ug/L	315899	Perylene-d12	34.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,6-Dioxa-2,4,5,7-tetrasilaoctan...	294	C10H30O2Si4	004342-25-0	38
2	Heptasiloxane, 1,1,3,3,5,5,7,7,9...	504	C14H44O6Si7	019095-23-9	14
3	Silane, [(1-methyl-1,3-propanedi...	234	C10H26O2Si2	056771-47-2	10
4	Trisiloxane, 1,1,1,5,5,5-hexamet...	384	C12H36O4Si5	003555-47-3	10





Tentatively Identified Compound (LSC) summary

Operator ID: Mclean Date Acquired: 22 May 2002 7:31 pm
Data File: C:\MSDCHEM\1\DATA\052202\11901.D
Name: 5/21 ad
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
Methylene Chloride	3.70	1.6	ug/L	1049200	1	9.90	26916600	40.0
Thiophene	3.73	1.6	ug/L	1044870	1	9.90	26916600	40.0
4H-1,2,4-Triazol-...	3.77	1.5	ug/L	980566	1	9.90	26916600	40.0
Borane, trifluoro-	3.83	2.2	ug/L	1512630	1	9.90	26916600	40.0
Propiolonitrile	3.90	0.6	ug/L	397399	1	9.90	26916600	40.0
Methylene Chloride	3.92	2.8	ug/L	1907180	1	9.90	26916600	40.0
Methylene Chloride	4.09	0.7	ug/L	493611	1	9.90	26916600	40.0
Toluene	4.27	2.1	ug/L	1398360	1	9.90	26916600	40.0
Krypton	4.54	0.6	ug/L	421668	1	9.90	26916600	40.0
3-Methoxybut-1-ene	4.89	0.4	ug/L	302529	1	9.90	26916600	40.0
2-Methyl-6-(5-met...	5.37	0.5	ug/L	307816	1	9.90	26916600	40.0
2-Pentanone, 4-hy...	5.93	12.0	ug/L	8057160	1	9.90	26916600	40.0
Cyclopentasiloxan...	12.37	1.4	ug/L	1293550	2	13.39	36511300	40.0
Cyclononasiloxane...	33.20	1.2	ug/L	557075	6	34.66	18730300	40.0
Cyclononasiloxane...	34.32	1.7	ug/L	813603	6	34.66	18730300	40.0
Cyclononasiloxane...	35.37	1.9	ug/L	900321	6	34.66	18730300	40.0
Cyclononasiloxane...	36.45	1.7	ug/L	801882	6	34.66	18730300	40.0
1,3-Butadiene, pe...	36.67	0.4	ug/L	194754	6	34.66	18730300	40.0
3-Isopropoxy-1,1,...	37.72	1.2	ug/L	538748	6	34.66	18730300	40.0
3,6-Dioxa-2,4,5,7...	39.25	0.7	ug/L	315899	6	34.66	18730300	40.0