User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 06/07/2002 Time: 13:07:10

Sample: AE12324
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 6/7/02 13:06 Ended: 6/7/02 13:06 Analyst: DLV
Page: 1

	Component Name	Vial	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		89		10.0

Comments for Sample AE12324 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 06-07-2002 Time: 13:08:20

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\052902\12324.D Vial: 12
Acq On : 29 May 2002 7:03 pm Operator: McLean
Sample : gc/ms scan 5/24 fb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: Jun 03 10:51:11 2002 Quant Results File: 052202.RES

Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Wed May 29 08:47:01 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	4500516	40.00	ug/L	0.00
10) Napthalene-d8	13.39	136	17935828	40.00	ug/L	-0.02
17) Acenapthalene-d10	18.53	164	9845618	40.00	ug/L	-0.01
29) Phenanthranene-d10	22.91	188	14990429	40.00	ug/L	-0.01
37) Chrysene-d12	30.76	240	8852652	40.00	ug/L	-0.05
43) Perylene-d12	34.65	264	4583582	40.00	ug/L	-0.03
System Monitoring Compounds						
27) TCMX	20.50	209	2025118	35.69	ug/L	-0.01
Spiked Amount 40.000			Recovery = 89.22%			
Target Compounds						Qvalue
2) n-nitros-dimethyl amine	0.00	74	0	N.D. d		
3) bis(2-Chloroethyl)ether	0.00	93	0	N.D.		
4) 1,3-Dichlorobenzene	0.00	146	0	N.D.		
5) 1,4-Dichlorobenzene	0.00	146	0	N.D.		
6) 1,2-Dichlorobenzene	0.00	146	0	N.D.		
7) 2,2'oxybis(1-Chloropropane	0.00	45	0	N.D.		
8) N-nitroso-di-propylamine	0.00	70	0	N.D.		
9) Hexachloroethane	0.00	117	0	N.D.		
11) Nitrobenzene	0.00	77	0	N.D.		
12) Isophorone	0.00	82	0	N.D.		
13) bis(2-Chloroethoxy) methan	13.39	93	1403	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	20.50	77	35145	N.D.		
30) Nnitrosodiphenylamine	20.50	169	36605	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	25.05	149	64793	N.D.		

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

Quantitation Report (QT Reviewed)

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Title : 508 Modified GC/MS scan
Last Update : Wed May 29 08:47:01 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

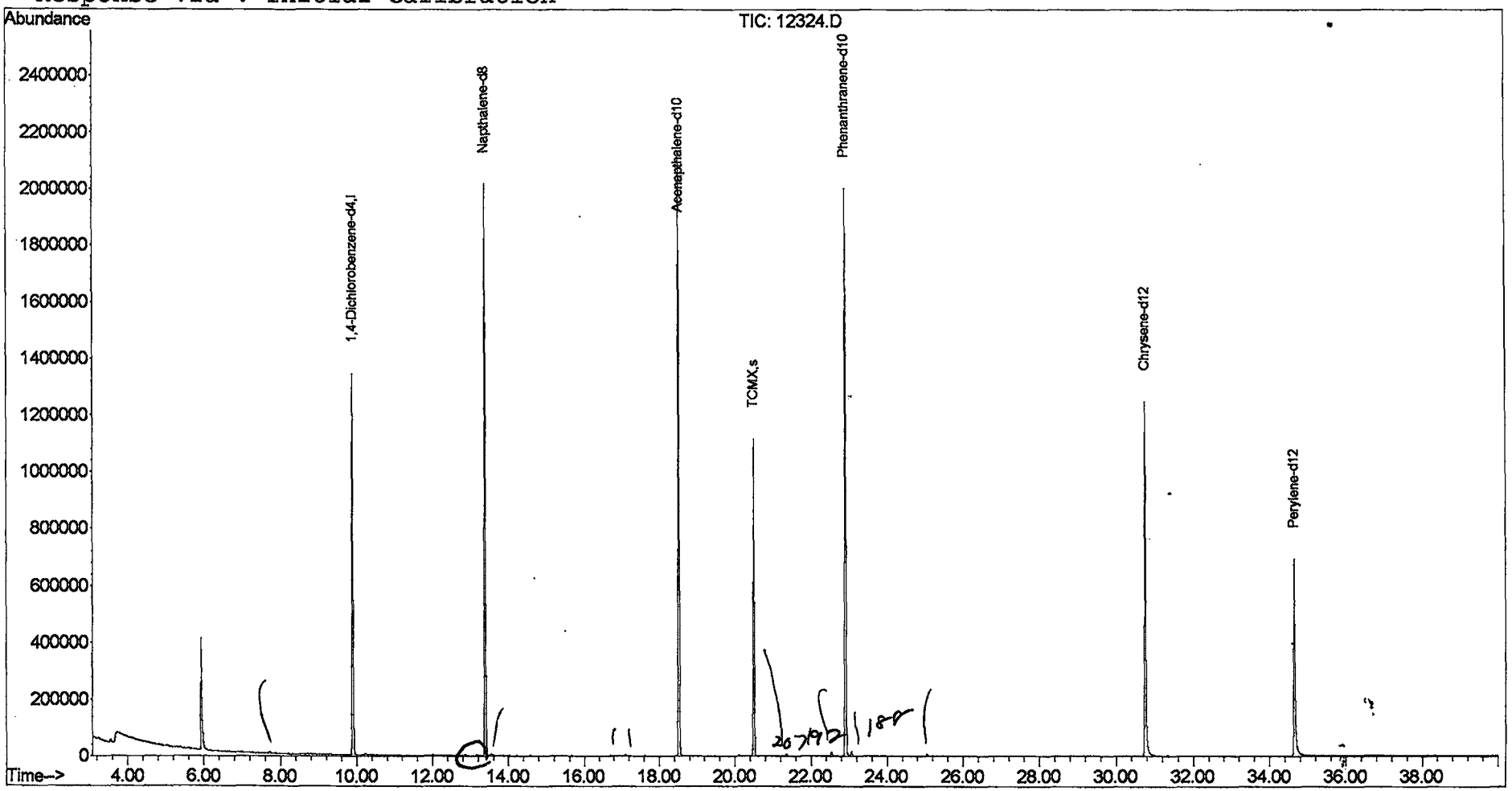
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
36)	Fluoroanthene	0.00	202	0	N.D.	
38)	Pyrene	0.00	202	0	N.D.	
39)	Butylbenzylphthalate	0.00	149	0	N.D.	
40)	Benzo(a)anthracene	30.76	228	22169	N.D.	
41)	Bis(2-ethylhexyl)phthalate	0.00	149	0	N.D.	
42)	Chrysene	0.00	228	0	N.D.	
44)	Di-n-octylphthalate	0.00	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\052902\12324.D Vial: 12
Acq On : 29 May 2002 7:03 pm Operator: McLean
Sample : gc/ms scan 5/24 fb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: Jun 3 10:51 2002 Quant Results File: 052202.RES

Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Wed May 29 08:47:01 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\052902\12324.D Vial: 12
Acq On : 29 May 2002 7:03 pm Operator: McLean
Sample : gc/ms scan 5/24 fb 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

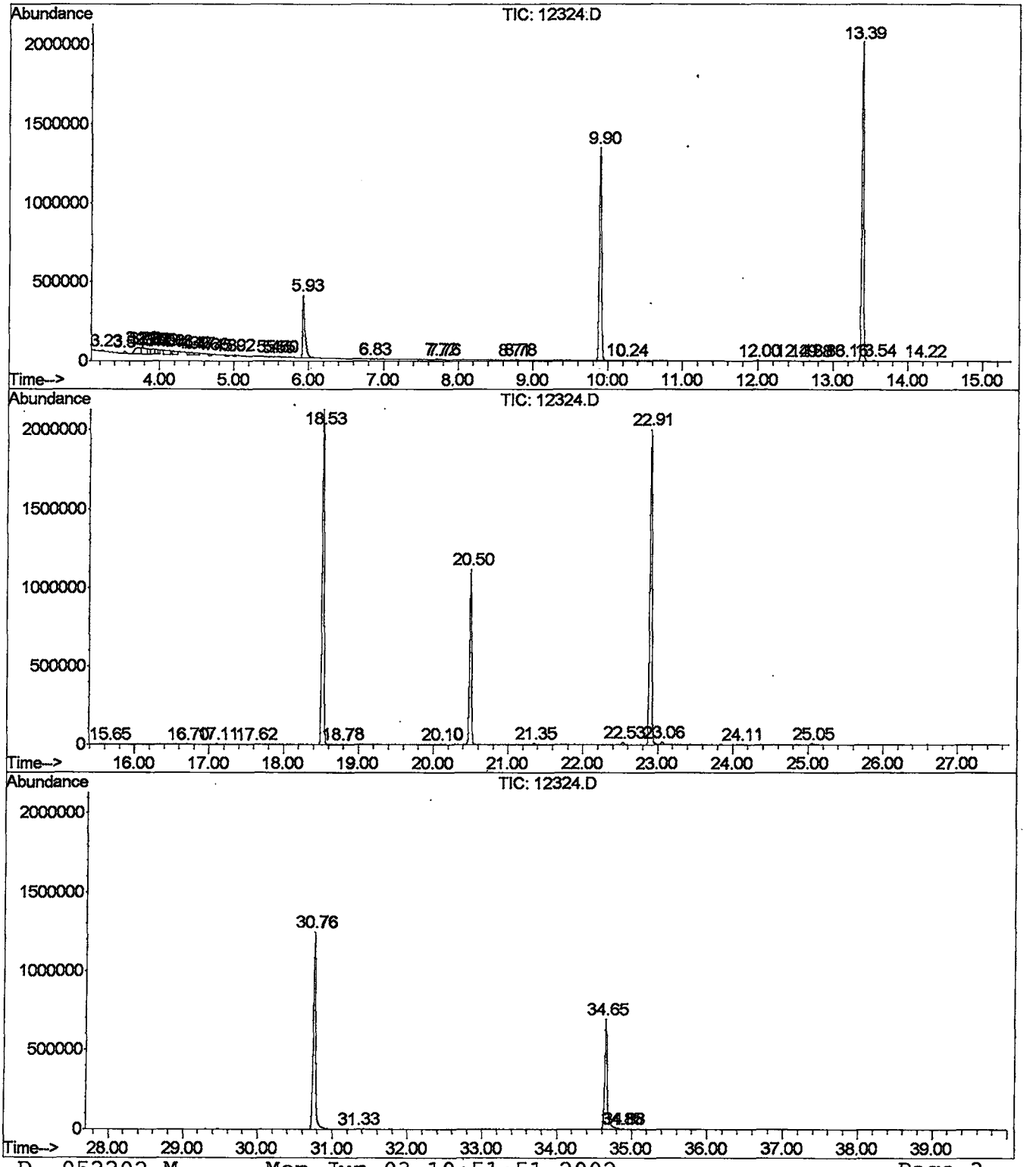
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.232	22	26	36	PV 5	5514	92525	0.23%	0.040%
2	3.538	73	78	85	PV 5	12181	230337	0.57%	0.100%
3	3.720	92	109	114	VV 5	38589	1999130	4.92%	0.867%
4	3.761	114	116	129	VV 8	36927	1843565	4.53%	0.799%
5	3.849	129	131	136	VV 5	32249	725712	1.78%	0.315%
6	3.884	136	137	146	VV 6	31223	1052372	2.59%	0.456%
7	3.949	146	148	153	VV 4	28910	673490	1.66%	0.292%
8	3.984	153	154	158	VV 2	27089	472097	1.16%	0.205%
9	4.066	165	168	182	VV 10	24774	1356555	3.34%	0.588%
10	4.178	185	187	199	VV 8	21740	897797	2.21%	0.389%
11	4.390	220	223	225	VV 4	16192	266868	0.66%	0.116%
12	4.425	225	229	235	VV 7	15252	522603	1.29%	0.227%
13	4.472	235	237	247	VV 6	13702	507199	1.25%	0.220%
14	4.666	268	270	276	VV 5	9918	250269	0.62%	0.108%
15	4.895	307	309	316	VV 6	6790	168502	0.41%	0.073%
16	5.018	327	330	332	VV 4	7889	123151	0.30%	0.053%
17	5.471	405	407	409	PV 2	1993	14636	0.04%	0.006%
18	5.553	418	421	425	VV 5	2172	31282	0.08%	0.014%
19	5.600	425	429	446	VV 5	4045	121193	0.30%	0.053%
20	5.929	480	485	512	PV	386988	8293361	20.39%	3.595%
21	6.834	637	639	648	PB 6	1696	21960	0.05%	0.010%
22	7.715	782	789	795	PV 6	5539	141056	0.35%	0.061%
23	7.762	795	797	802	VV 5	2974	51568	0.13%	0.022%
24	8.708	954	958	964	VV 6	1915	34609	0.09%	0.015%
25	8.784	964	971	981	VV 7	2645	67090	0.16%	0.029%
26	9.895	1144	1160	1181	PV	1330484	26930813	66.22%	11.673%
27	10.236	1211	1218	1226	VV 5	2788	74744	0.18%	0.032%
28	12.004	1509	1519	1525	PV 4	2867	62358	0.15%	0.027%
29	12.486	1593	1601	1610	VV 6	2003	39726	0.10%	0.017%
30	12.686	1629	1635	1643	VV 2	2503	42250	0.10%	0.018%
31	12.856	1657	1664	1675	PV 4	3588	118487	0.29%	0.051%
32	13.156	1710	1715	1724	VV 2	4357	79578	0.20%	0.034%
33	13.391	1745	1755	1775	VV	2011158	36490073	89.73%	15.817%
34	13.544	1775	1781	1788	VV	5322	107867	0.27%	0.047%
35	14.219	1889	1896	1900	PV 6	2125	30604	0.08%	0.013%
36	15.653	2137	2140	2148	VV 4	1774	32549	0.08%	0.014%
37	16.705	2314	2319	2331	PV 2	3654	63388	0.16%	0.027%

38	17.110	2379	2388	2393	VV	4	6211	95127	0.23%	0.041%
39	17.621	2468	2475	2482	VV	7	2524	42605	0.10%	0.018%
40	18.526	2617	2629	2650	BV		2119967	40487422	99.56%	17.549%
41	18.779	2663	2672	2677	VV	4	2080	35173	0.09%	0.015%
42	20.101	2891	2897	2904	VV	3	3602	63392	0.16%	0.027%
43	20.500	2952	2965	2974	PV		1093535	20392671	50.14%	8.839%
44	21.352	3105	3110	3117	VV	3	8264	132640	0.33%	0.057%
45	22.533	3304	3311	3320	VV	2	15479	287114	0.71%	0.124%
46	22.909	3360	3375	3395	PV	2	1996278	40667690	100.00%	17.627%
47	23.062	3395	3401	3416	VV	2	16414	328987	0.81%	0.143%
48	24.114	3575	3580	3584	PV	3	1880	24124	0.06%	0.010%
49	25.054	3733	3740	3748	PV		7404	131848	0.32%	0.057%
50	30.759	4698	4711	4753	BV	2	1235947	27282500	67.09%	11.826%
51	31.335	4800	4809	4817	PV	7	2565	63484	0.16%	0.028%
52	34.655	5361	5374	5407	PV	2	697759	16598936	40.82%	7.195%
53	34.854	5407	5408	5410	VV	2	2388	21664	0.05%	0.009%
54	34.878	5410	5412	5415	VV	4	2021	19673	0.05%	0.009%

Sum of corrected areas: 230706412

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\052902\12324.D
Operator : McLean
Acquired : 29 May 2002 7:03 pm using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: gc/ms scan 5/24 fb
Misc Info :
Vial Number: 12
Quant File :052202.RES (Chemstation Integrator)



Data File : C:\MSDCHEM\1\DATA\052902\12324.D
Acq On : 29 May 2002 7:03 pm
Sample : gc/ms scan 5/24 fb
Misc :
MS Integration Params: LSCINT.e

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

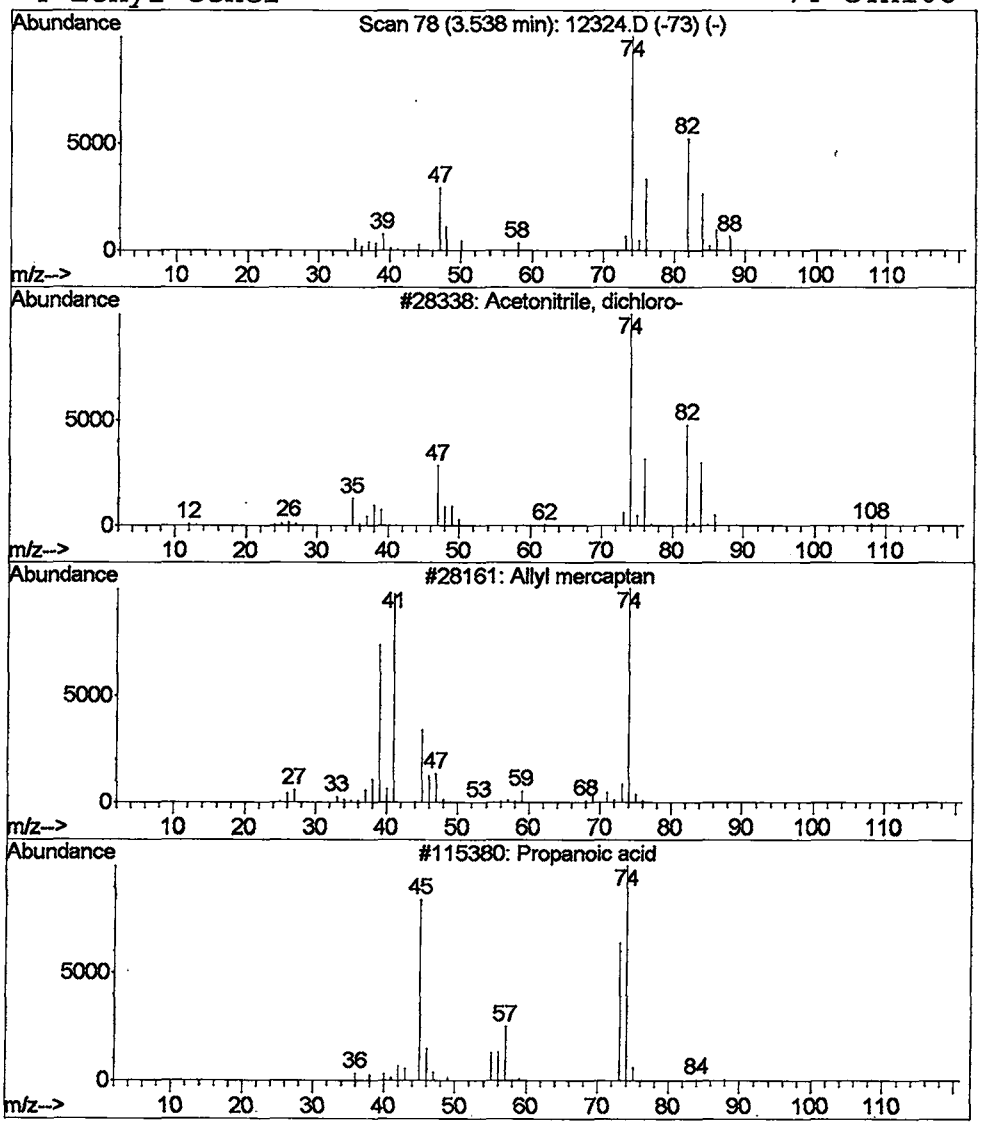
Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

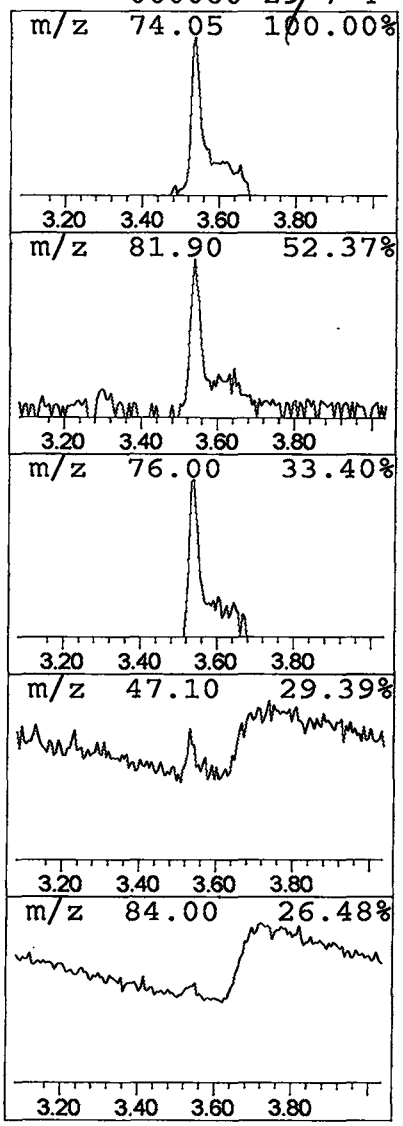
****

Peak Number 1 Acetonitrile, dichloro- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.54	0.34 ug/L	230337	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	64
2	Allyl mercaptan	74	C3H6S	000870-23-5	9
3	Propanoic acid	74	C3H6O2	000079-09-4	4
4	Ethyl ether	74	C4H10O	000060-29-7	4





Data File : C:\MSDCHEM\1\DATA\052902\12324.D
Acq On : 29 May 2002 7:03 pm
Sample : gc/ms scan 5/24 fb
Misc :
MS Integration Params: LSCINT.e

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

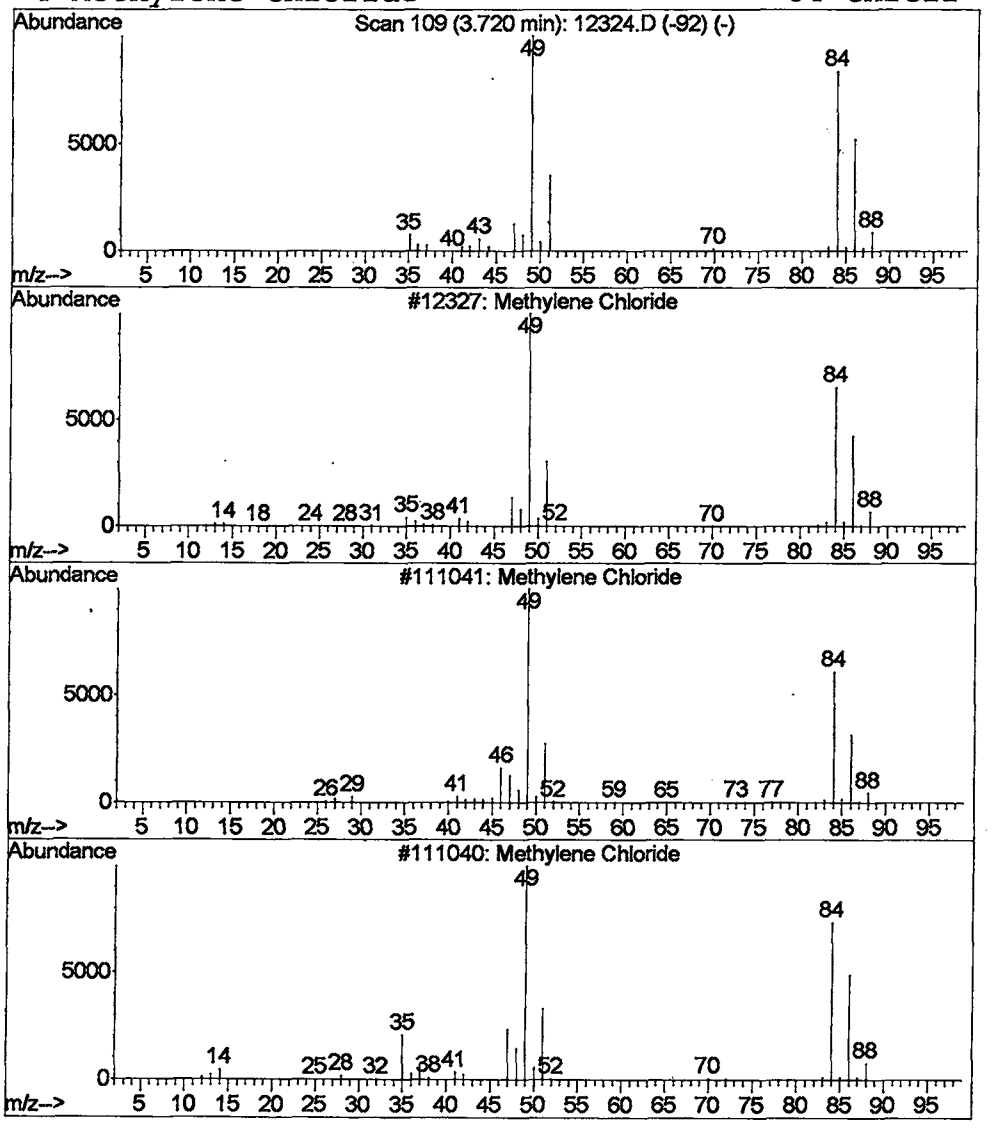
Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

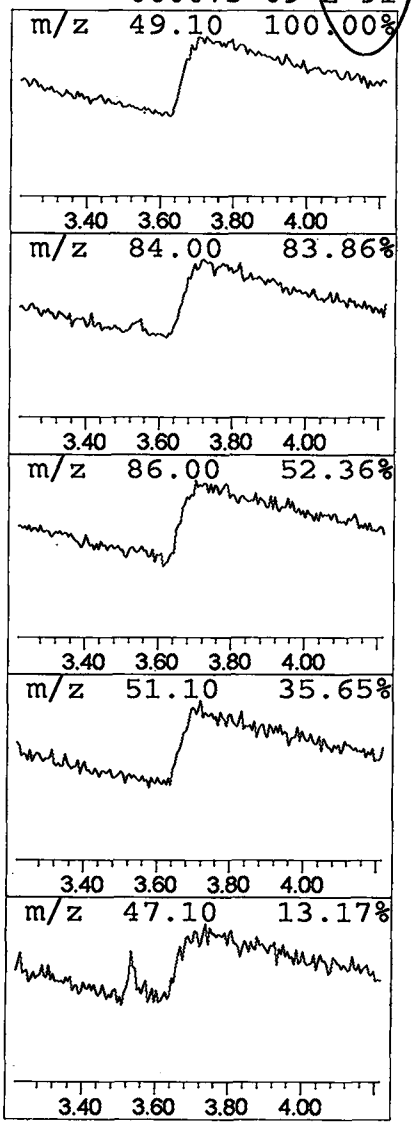
****

Peak Number 2 Methylene Chloride Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.72	2.97 ug/L	1999130	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methylene Chloride	84	CH2Cl2	000075-09-2	97
2	Methylene Chloride	84	CH2Cl2	000075-09-2	91
3	Methylene Chloride	84	CH2Cl2	000075-09-2	91
4	Methylene Chloride	84	CH2Cl2	000075-09-2	91





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052902\12324.D
Acq On : 29 May 2002 7:03 pm
Sample : gc/ms scan 5/24 fb
Misc :
MS Integration Params: LSCINT.e

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

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

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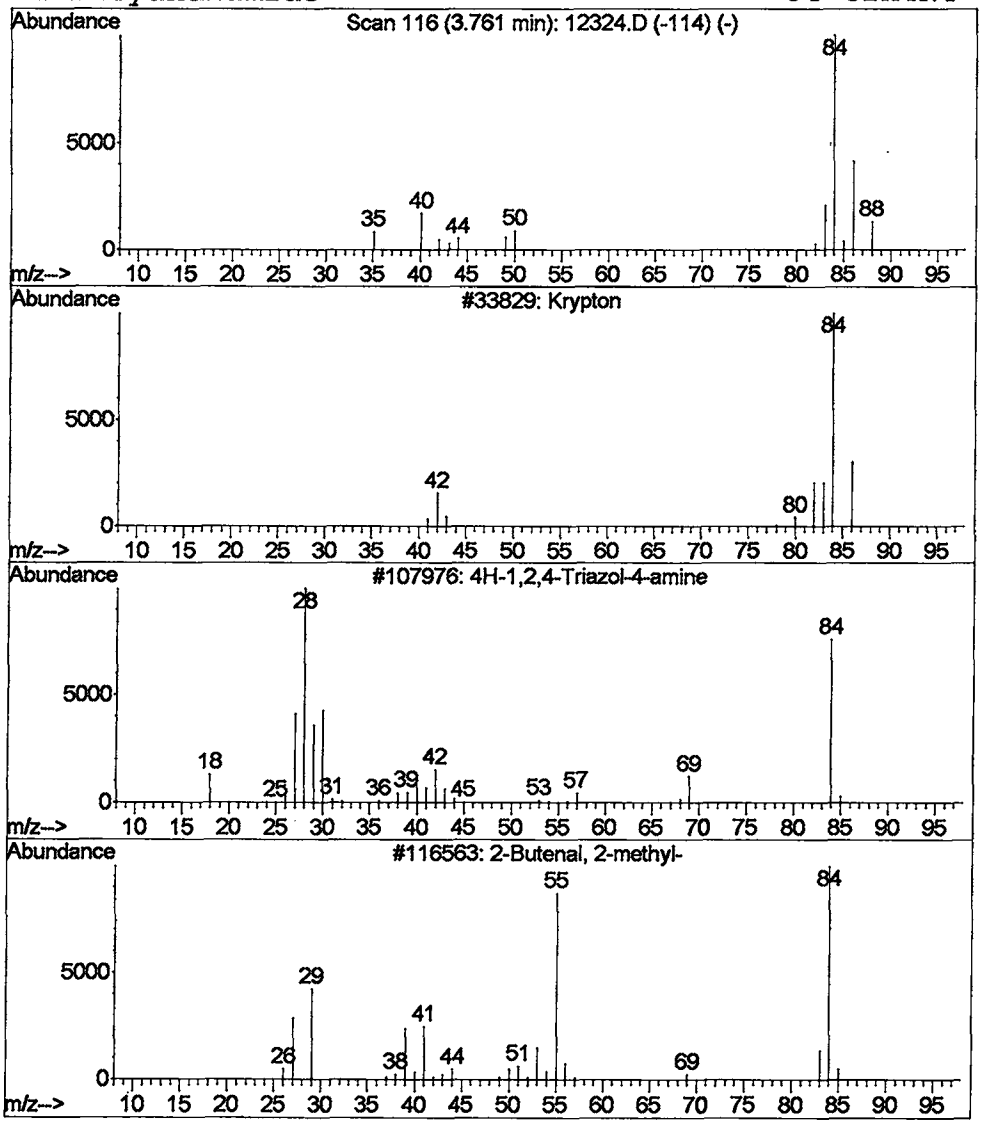
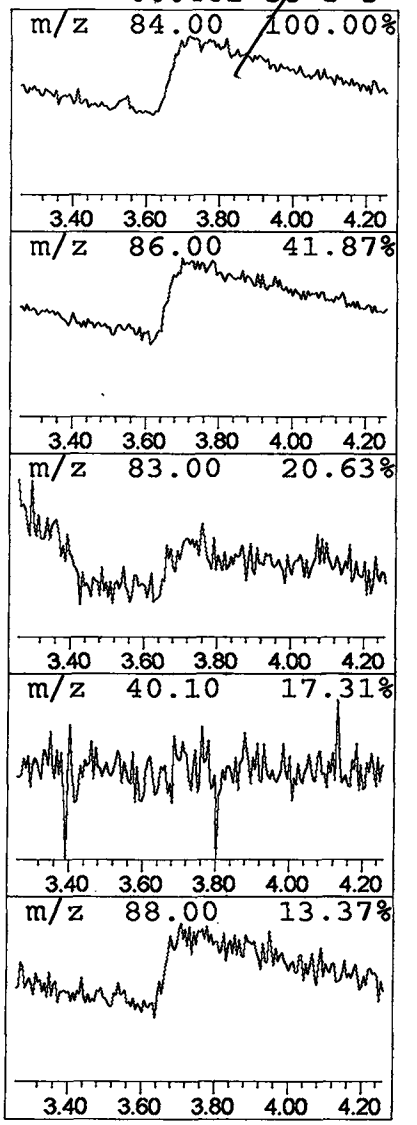
Peak Number 3 Krypton Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.76	2.74 ug/L	1843560	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Krypton	84	Kr	007439-90-9	9
2	4H-1,2,4-Triazol-4-amine	84	C2H4N4	000584-13-4	9
3	2-Butenal, 2-methyl-	84	C5H8O	001115-11-3	9
4	Dicyandiamide	84	C2H4N4	000461-58-5	5





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052902\12324.D
Acq On : 29 May 2002 7:03 pm
Sample : gc/ms scan 5/24 fb
Misc :
MS Integration Params: LSCINT.e

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

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

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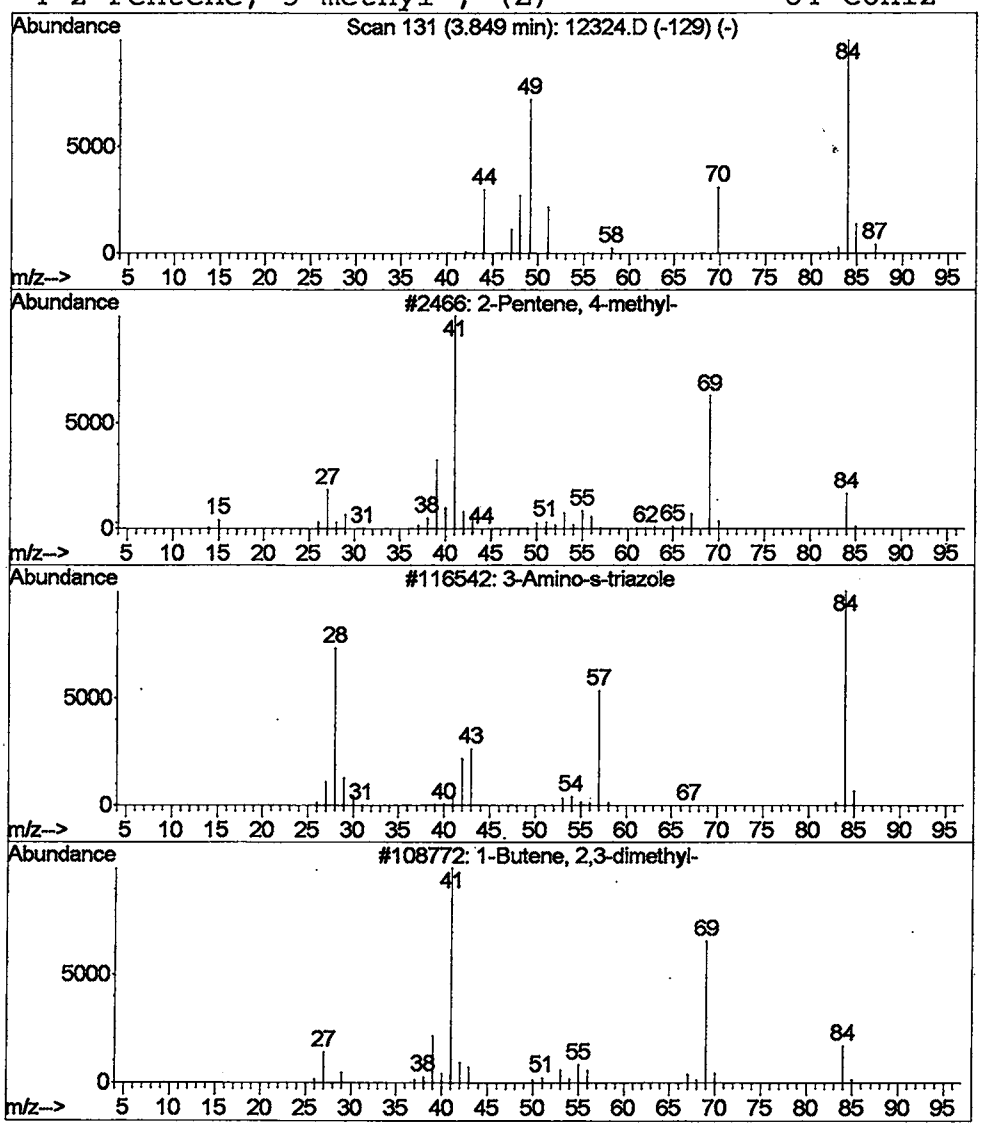
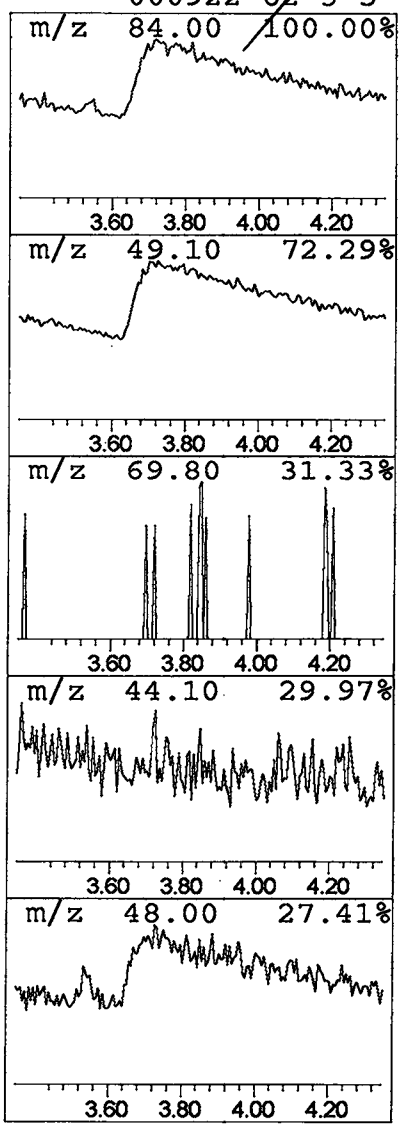
Peak Number 4 2-Pentene, 4-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.85	1.08 ug/L	725712	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 4-methyl-	84	C6H12	004461-48-7	7
2	3-Amino-s-triazole	84	C2H4N4	000061-82-5	7
3	1-Butene, 2,3-dimethyl-	84	C6H12	000563-78-0	7
4	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	5





Data File : C:\MSDCHEM\1\DATA\052902\12324.D Vial: 12
Acq On : 29 May 2002 7:03 pm Operator: McLean
Sample : gc/ms scan 5/24 fb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

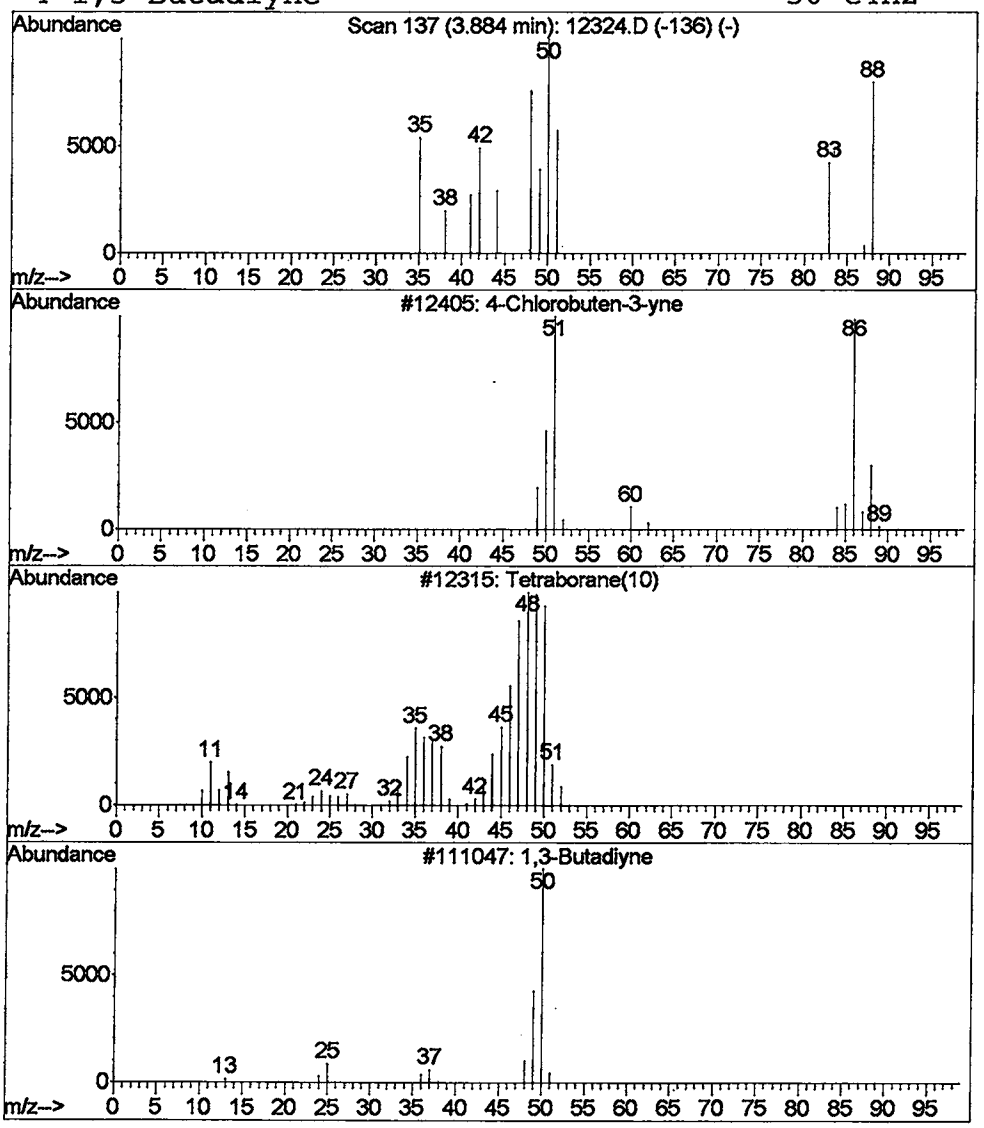
Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

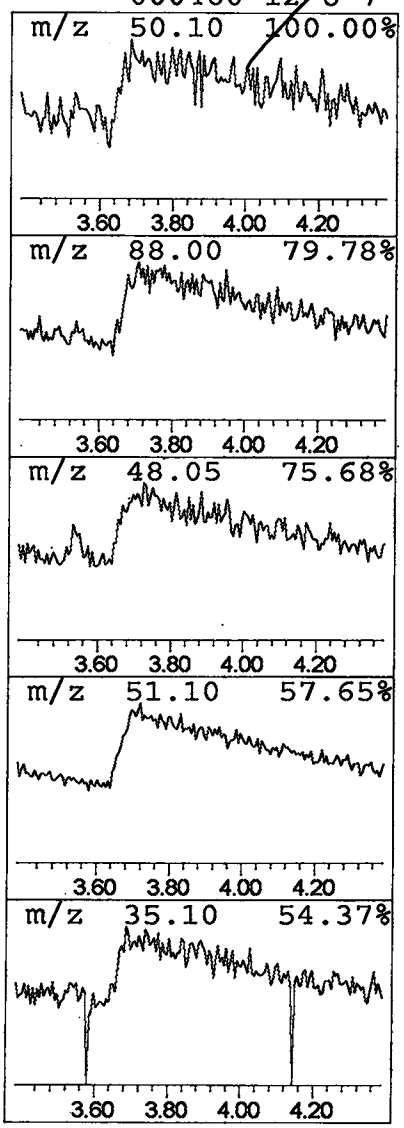
****

Peak Number 5 4-Chlorobuten-3-yne Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.89	1.56 ug/L	1052370	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Chlorobuten-3-yne	86	C4H3Cl	040589-38-6	9
2	Tetraborane(10)	54	B4H10	018283-93-7	9
3	1,3-Butadiyne	50	C4H2	000460-12-8	7
4	1,3-Butadiyne	50	C4H2	000460-12-8	7





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052902\12324.D
Acq On : 29 May 2002 7:03 pm
Sample : gc/ms scan 5/24 fb
Misc :
MS Integration Params: LSCINT.e

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

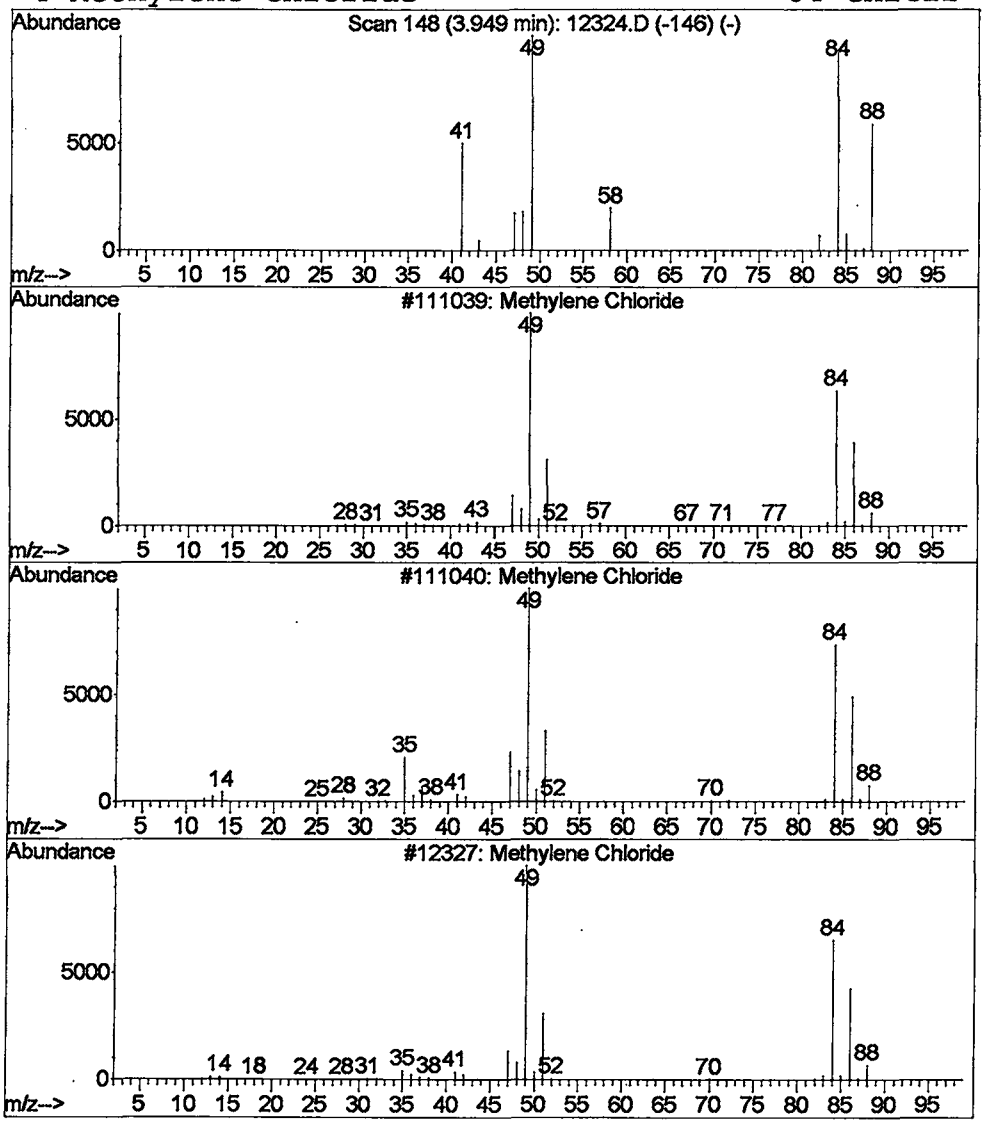
Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

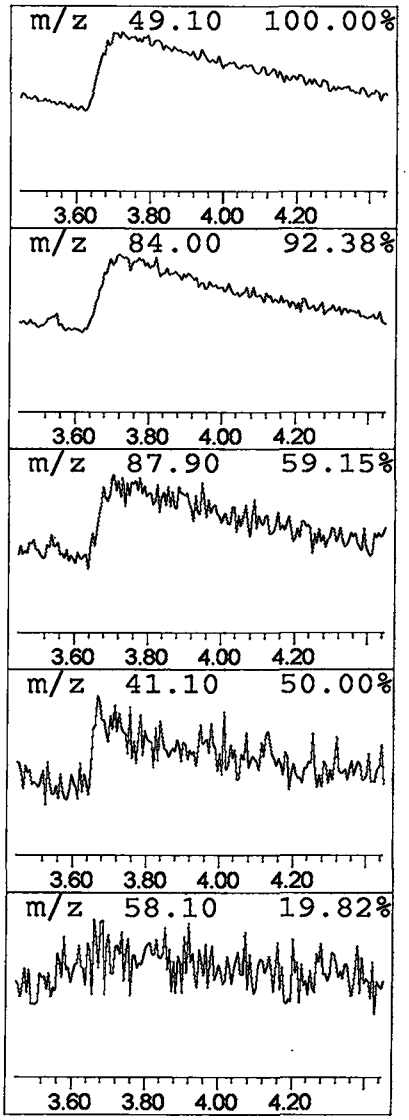
****

Peak Number 6 Methylene Chloride Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.95	1.00 ug/L	673490	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methylene Chloride	84	CH2Cl2	000075-09-2	80
2	Methylene Chloride	84	CH2Cl2	000075-09-2	72
3	Methylene Chloride	84	CH2Cl2	000075-09-2	56
4	Methylene Chloride	84	CH2Cl2	000075-09-2	4





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MS Integration Params: LSCINT.e

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

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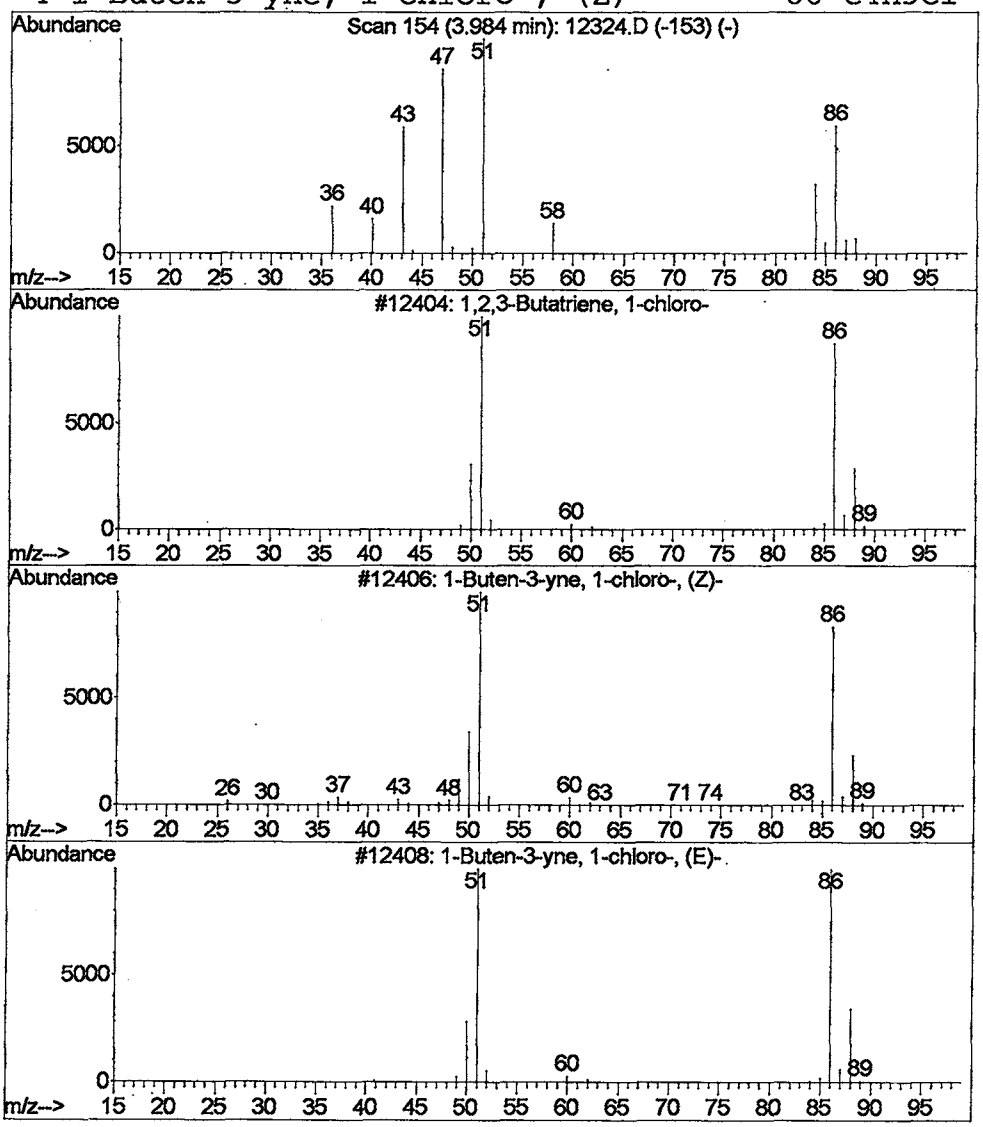
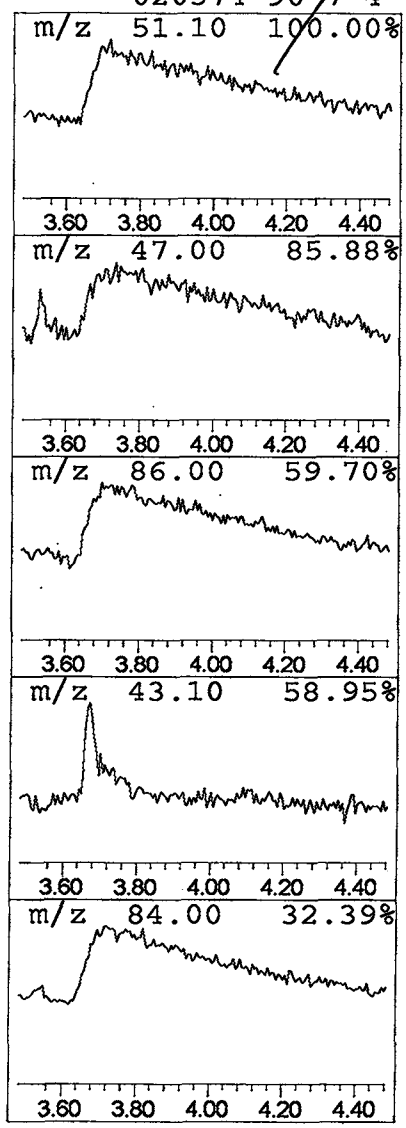
Peak Number 7 1,2,3-Butatriene, 1-chloro- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.99	0.70 ug/L	472097	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,3-Butatriene, 1-chloro-	86	C4H3Cl	020658-21-3	9
2	1-Buten-3-yne, 1-chloro-, (Z)-	86	C4H3Cl	020374-90-7	9
3	1-Buten-3-yne, 1-chloro-, (E)-	86	C4H3Cl	020374-91-8	4
4	1-Buten-3-yne, 1-chloro-, (Z)-	86	C4H3Cl	020374-90-7	4





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

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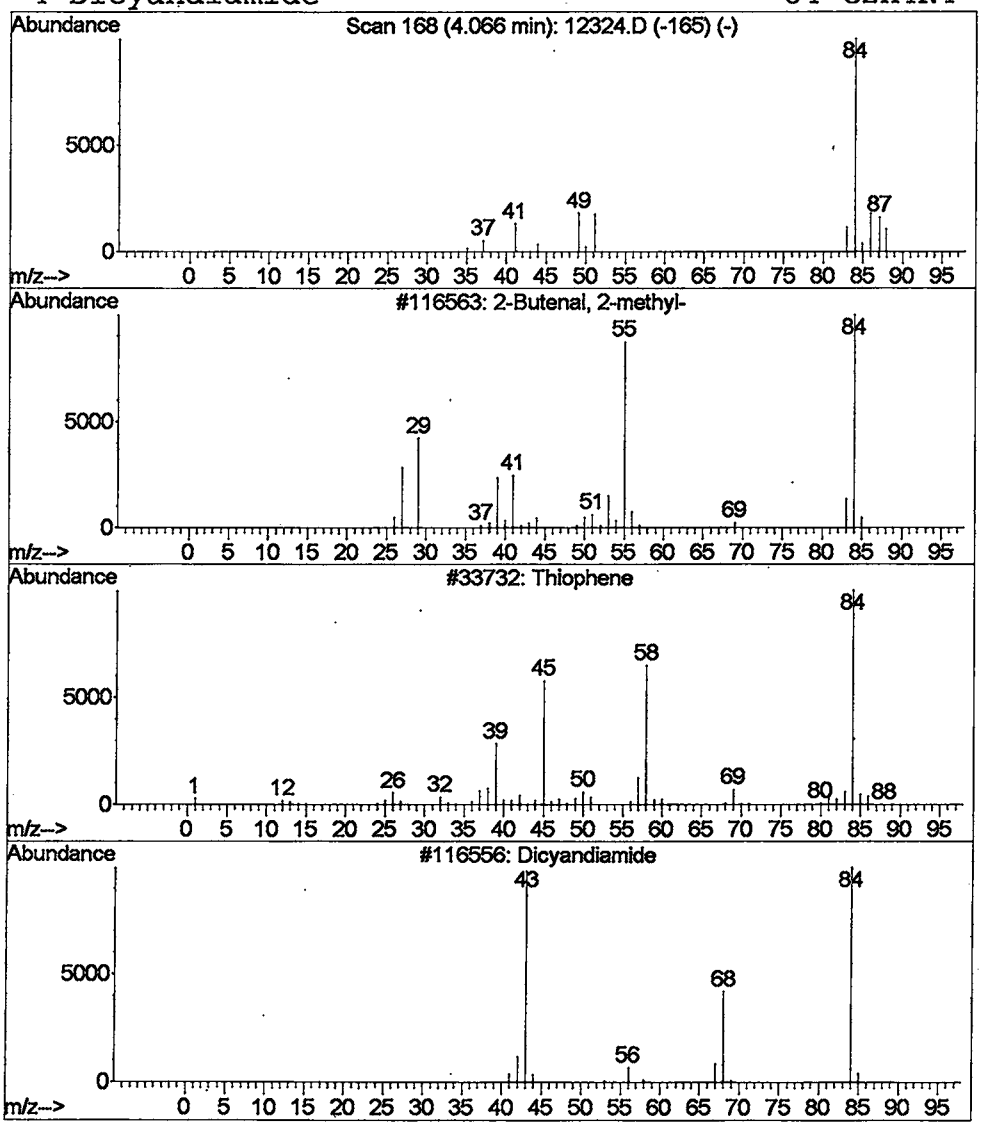
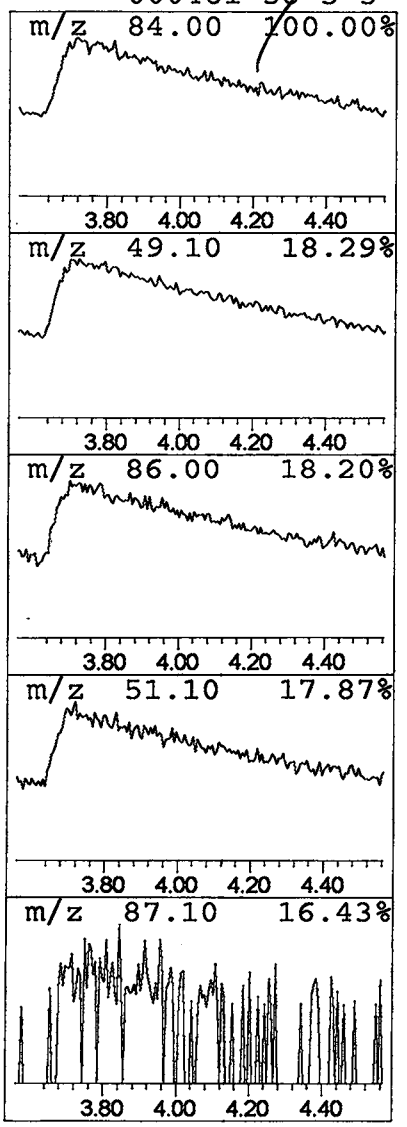
Peak Number 8 2-Butenal, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.06	2.01 ug/L	1356550	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butenal, 2-methyl-	84	C5H8O	001115-11-3	7
2	Thiophene	84	C4H4S	000110-02-1	7
3	Dicyandiamide	84	C2H4N4	000461-58-5	5
4	Dicyandiamide	84	C2H4N4	000461-58-5	5





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

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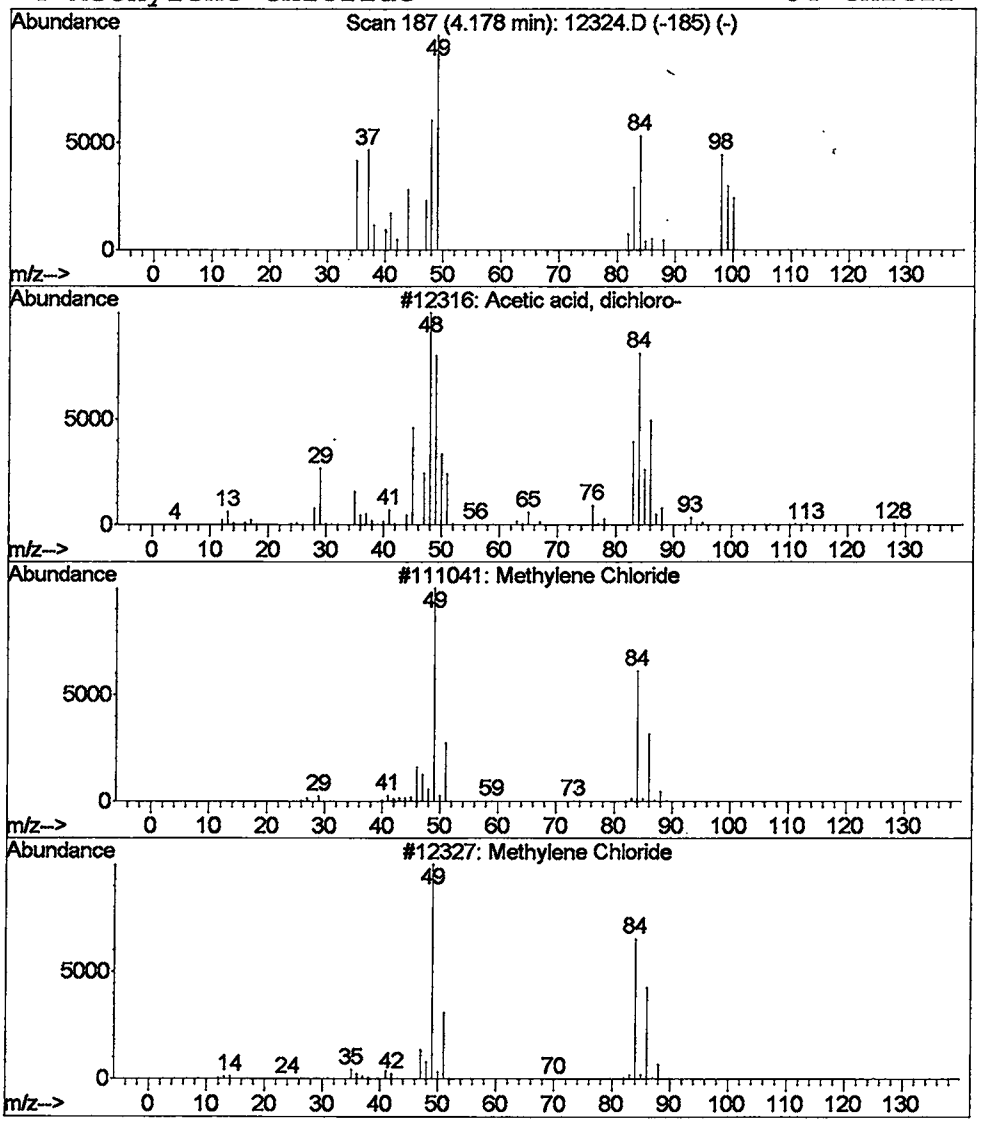
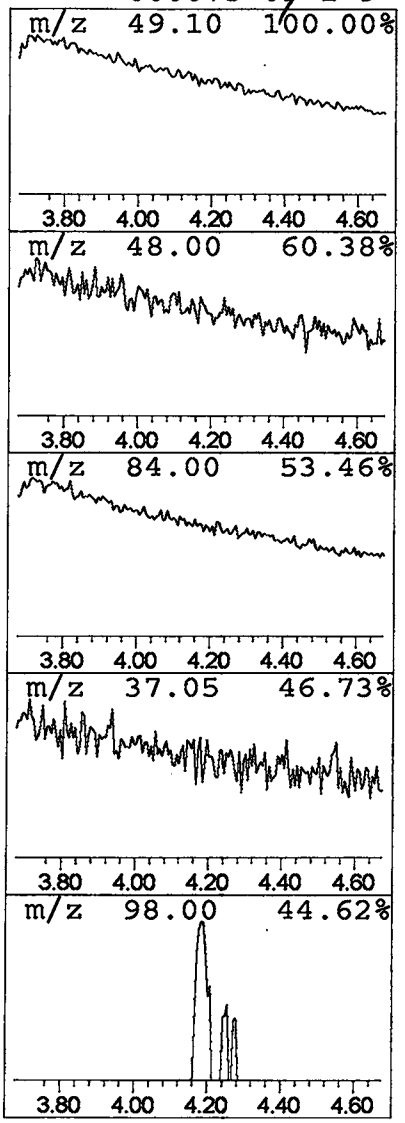
Peak Number 9 Acetic acid, dichloro- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.18	1.33 ug/L	897797	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, dichloro-	128	C2H2Cl2O2	000079-43-6	17
2	Methylene Chloride	84	CH2Cl2	000075-09-2	9
3	Methylene Chloride	84	CH2Cl2	000075-09-2	9
4	Methylene Chloride	84	CH2Cl2	000075-09-2	9





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

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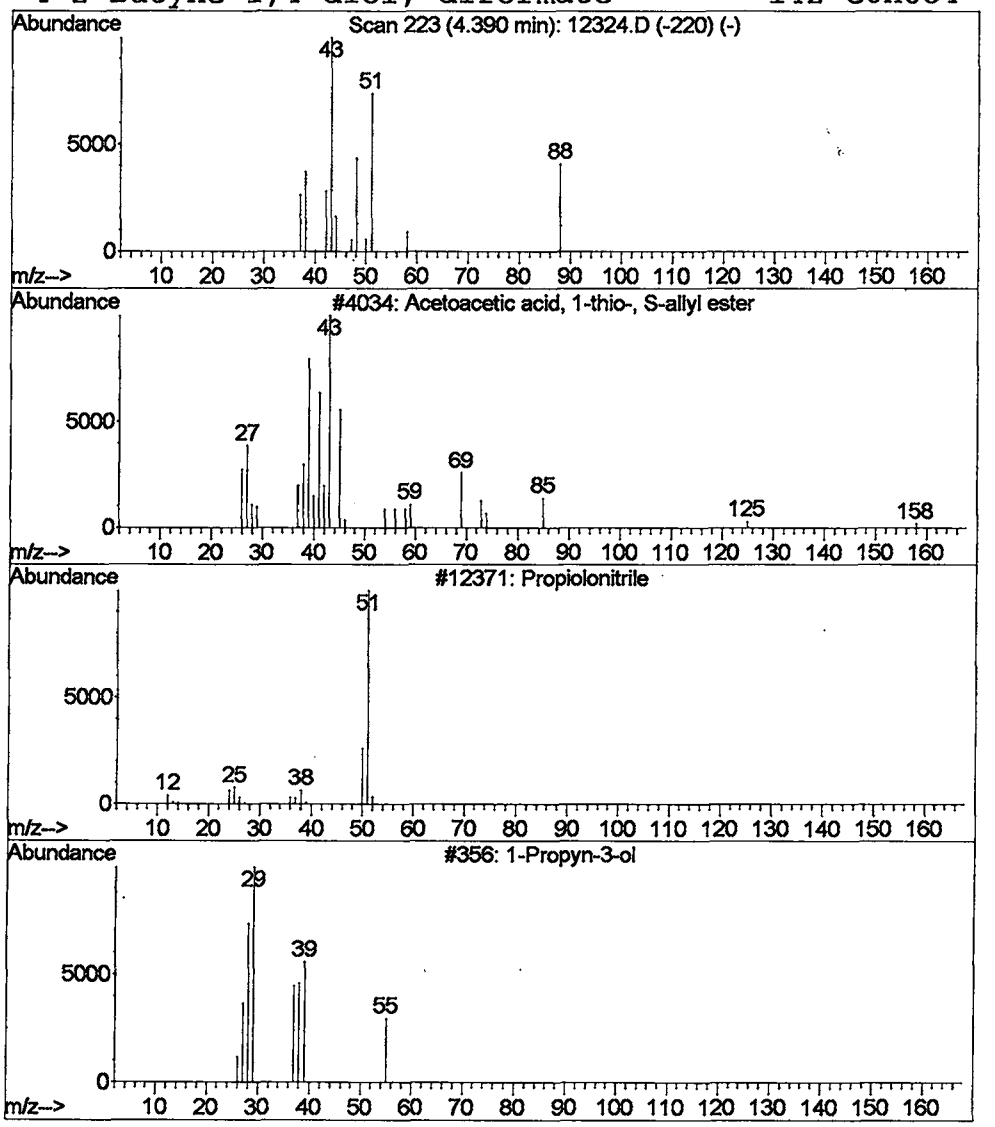
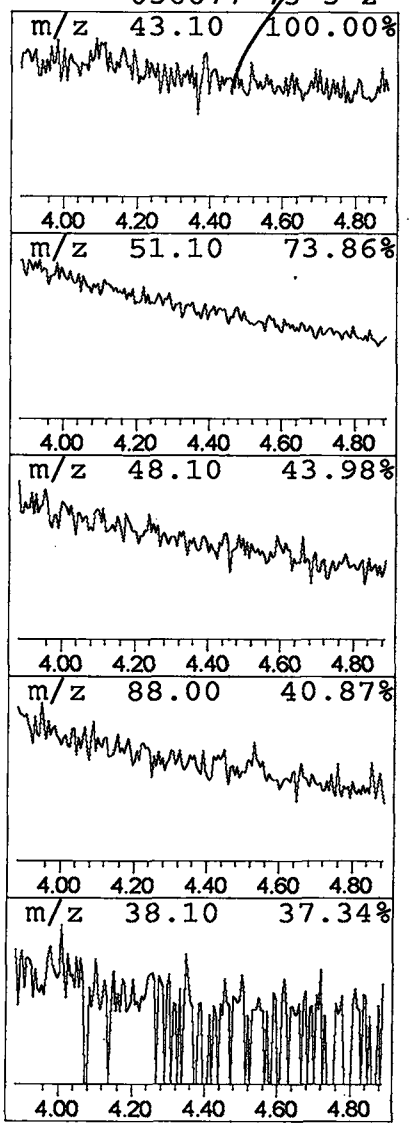
Peak Number 10 Acetoacetic acid, 1-thio-, ... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.39	0.40 ug/L	266868	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetoacetic acid, 1-thio-, S-all...	158	C7H10O2S	015780-65-1	8
2	Propiolonitrile	51	C3HN	001070-71-9	3
3	1-Propyn-3-ol	56	C3H4O	1000222-14-3	2
4	2-Butyne-1,4-diol, diformate	142	C6H6O4	036677-73-3	2





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

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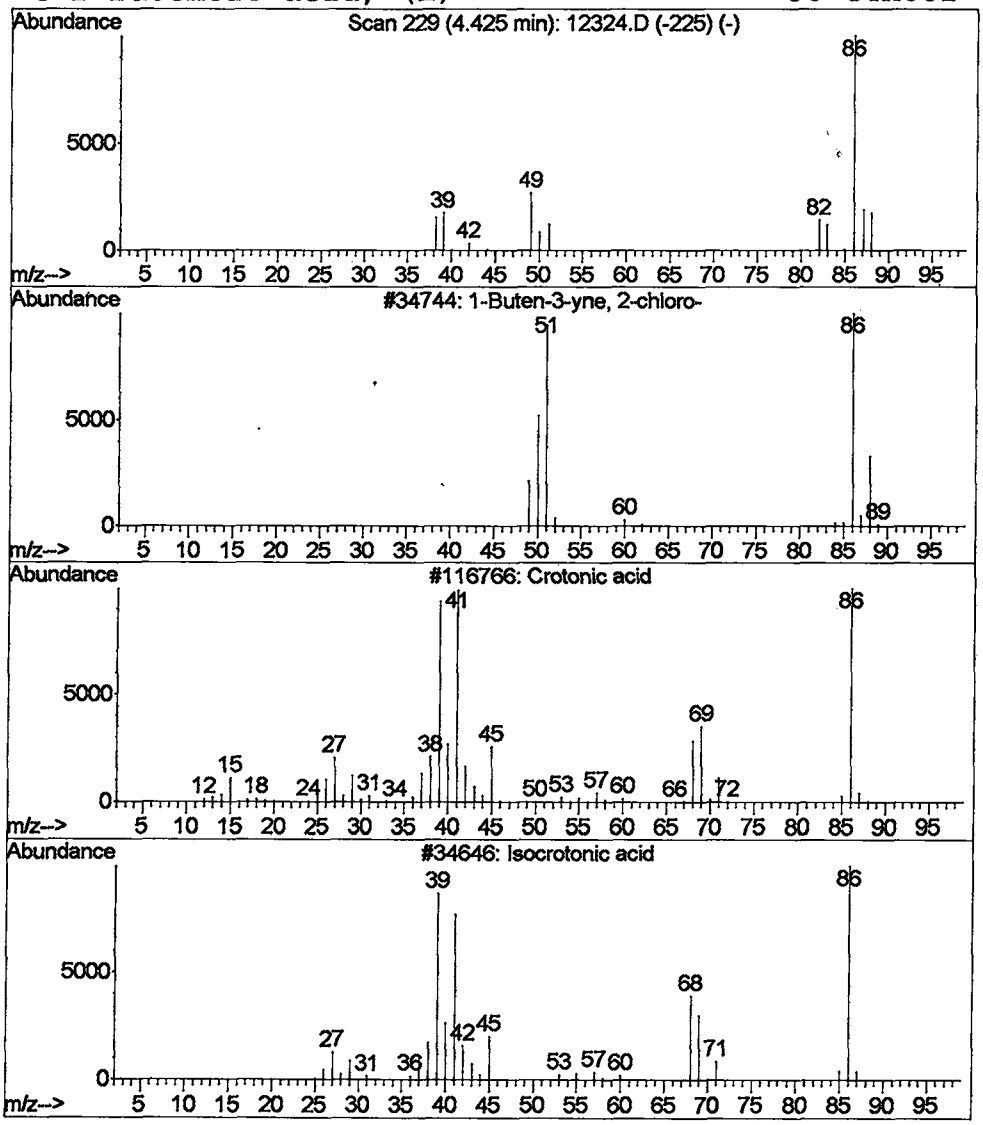
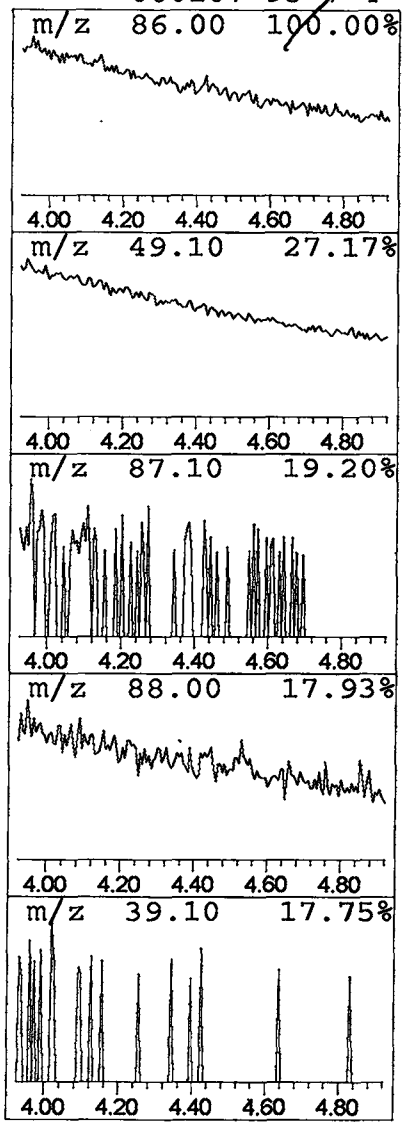
Peak Number 11 1-Buten-3-yne, 2-chloro- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.43	0.78 ug/L	522603	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Buten-3-yne, 2-chloro-	86	C4H3Cl	017712-36-6	7
2	Crotonic acid	86	C4H6O2	003724-65-0	5
3	Isocrotonic acid	86	C4H6O2	000503-64-0	4
4	2-Butenoic acid, (E)-	86	C4H6O2	000107-93-7	4





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Multiplr: 1.00

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

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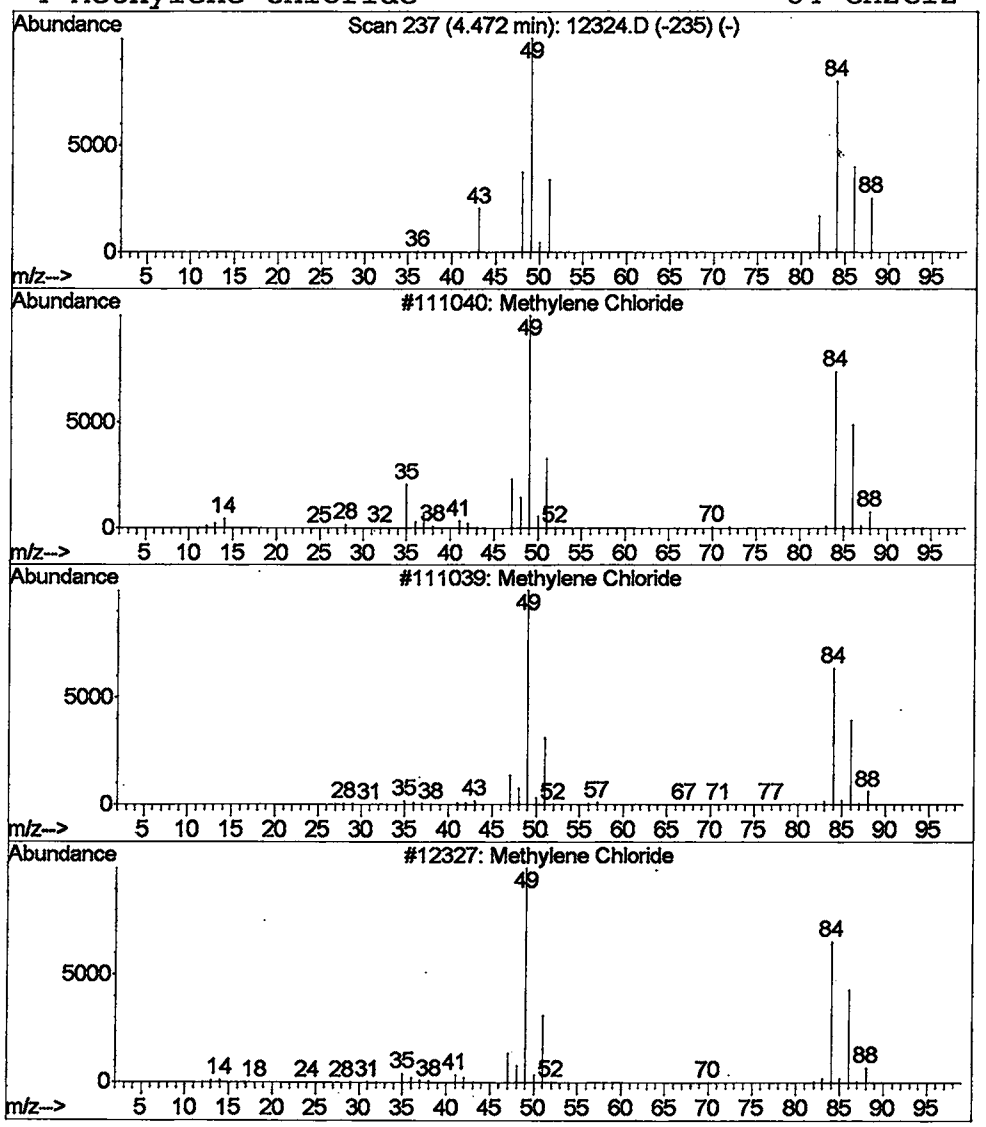
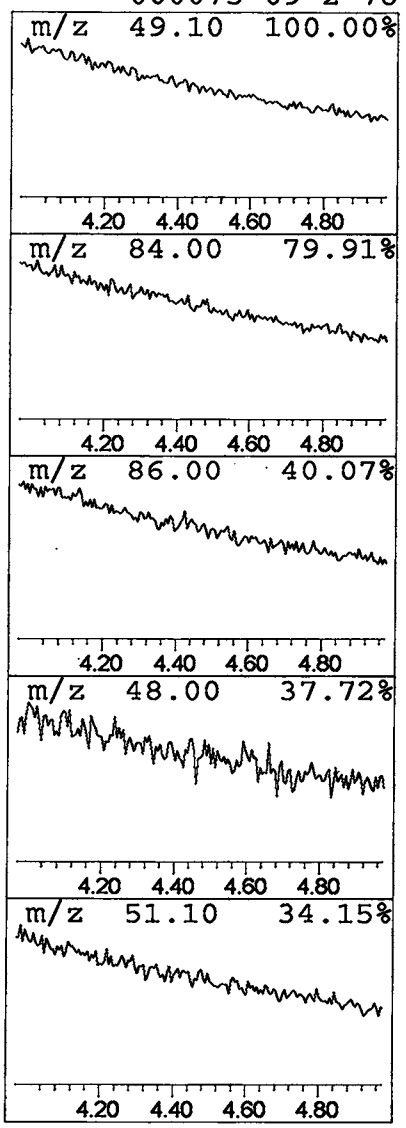
Peak Number 12 Methylene Chloride Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.47	0.75 ug/L	507199	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methylene Chloride	84	CH2Cl2	000075-09-2	90
2	Methylene Chloride	84	CH2Cl2	000075-09-2	86
3	Methylene Chloride	84	CH2Cl2	000075-09-2	86
4	Methylene Chloride	84	CH2Cl2	000075-09-2	78





Library Search Compound Report

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

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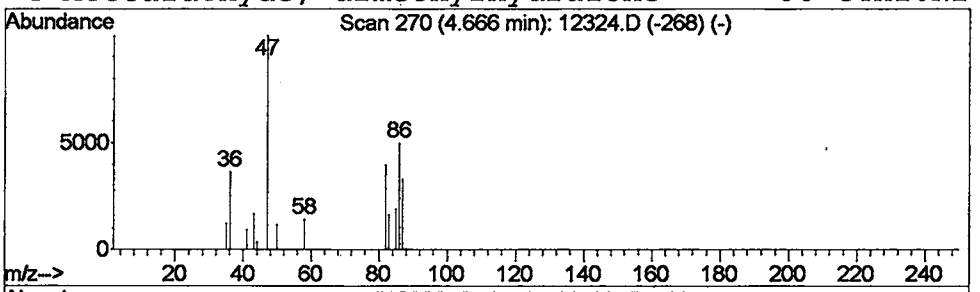
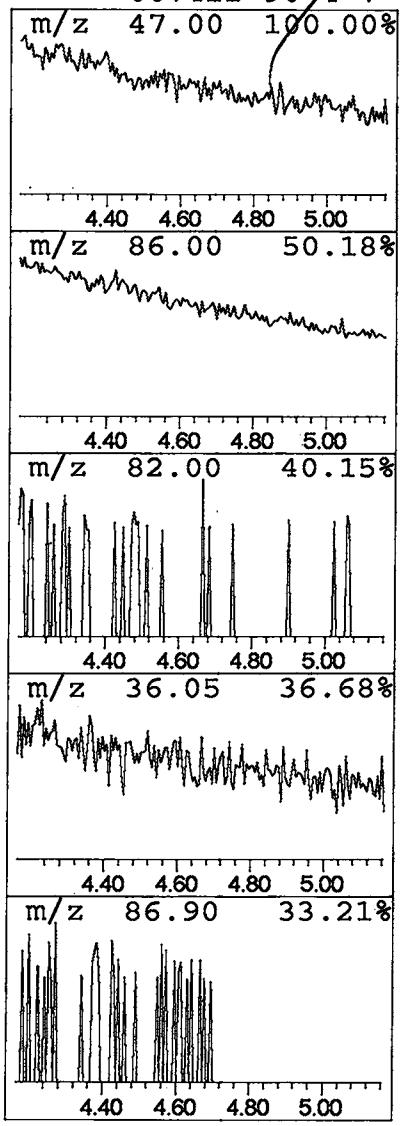
Peak Number 13 Carbonic chloride fluoride Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.66	0.37 ug/L	250269	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbonic chloride fluoride	82	CClFO	000353-49-1	23
2	1,3-Dioxol-2-one	86	C3H2O3	000872-36-6	9
3	Z,Z-7,11-Hexadecadien-1-ol	238	C16H30O	1000131-01-4	9
4	Acetaldehyde, dimethylhydrazone	86	C4H10N2	007422-90-4	7





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Multiplr: 1.00

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

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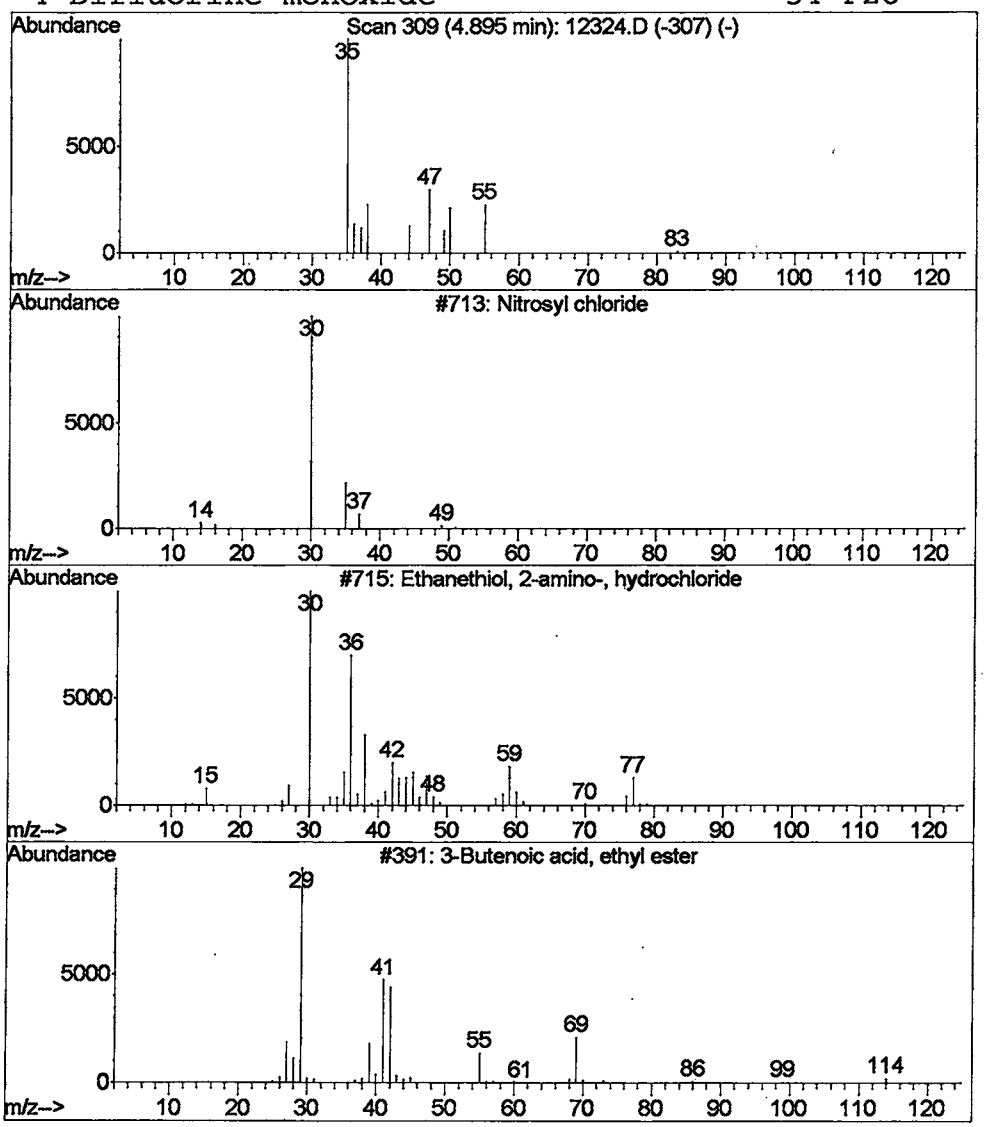
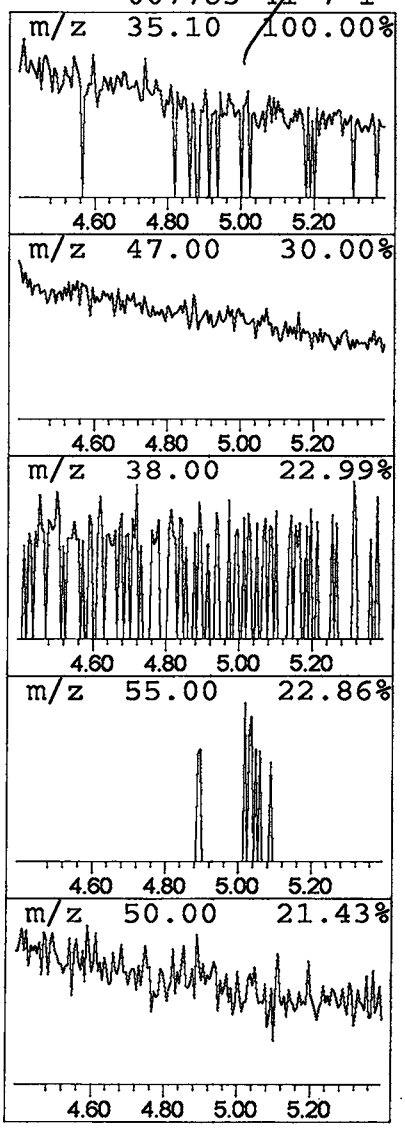
Peak Number 14 Nitrosyl chloride Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.89	0.25 ug/L	168502	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nitrosyl chloride	65	ClNO	002696-92-6	2
2	Ethanethiol, 2-amino-, hydrochlo...	113	C2H8ClNS	000156-57-0	1
3	3-Butenoic acid, ethyl ester	114	C6H10O2	001617-18-1	1
4	Difluorine monoxide	54	F2O	007783-41-7	1





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

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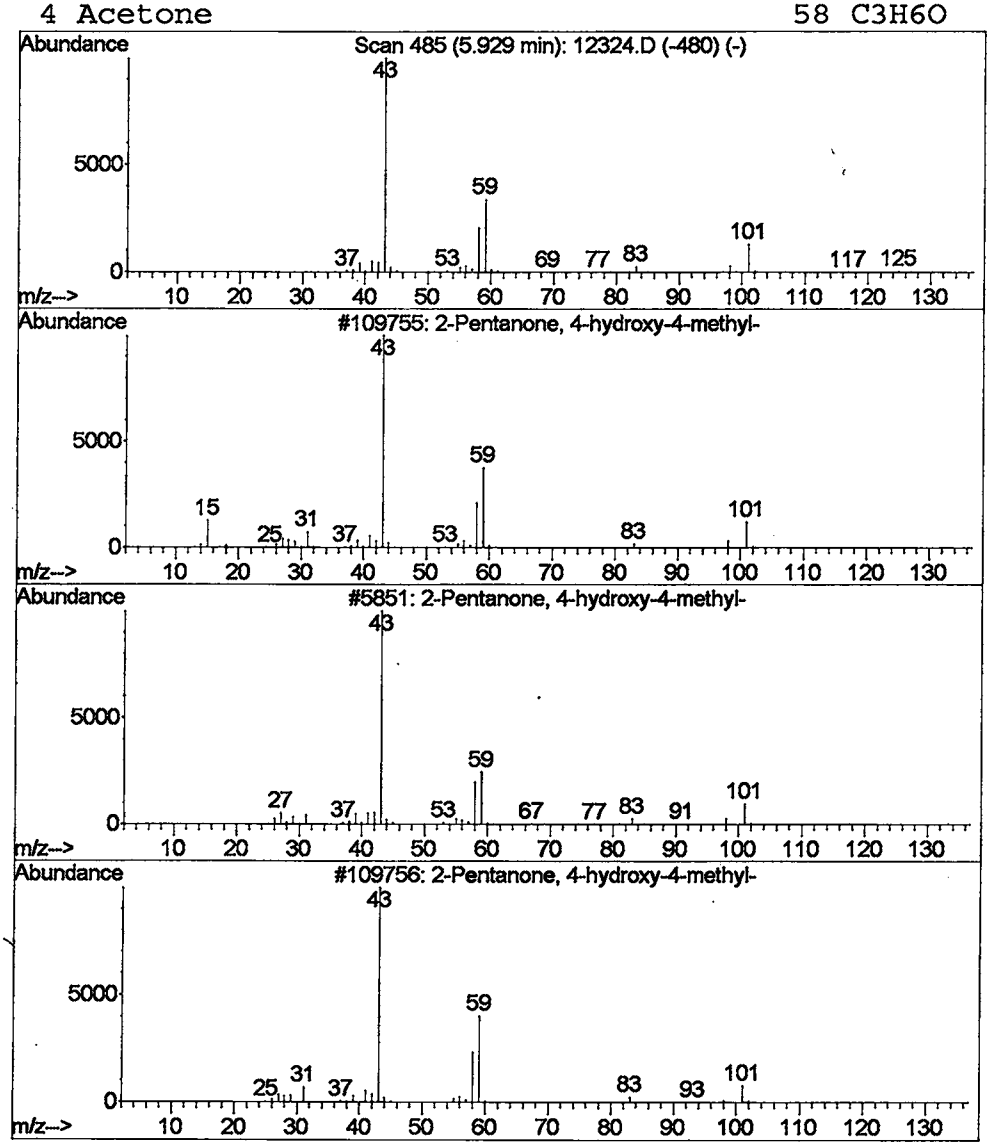
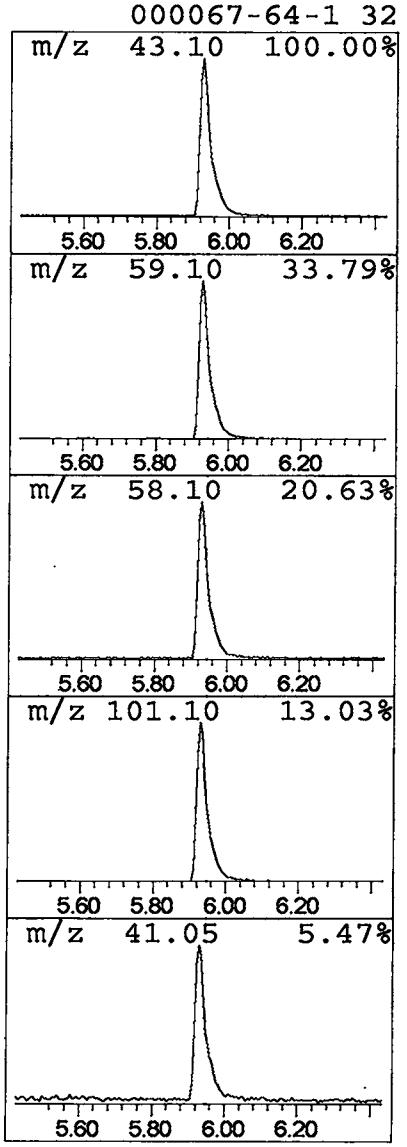
Peak Number 15 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.93	12.32 ug/L	8293360	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	78
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
4	Acetone	58	C3H6O	000067-64-1	32





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Library : C:\DATABASE\NIST98.L

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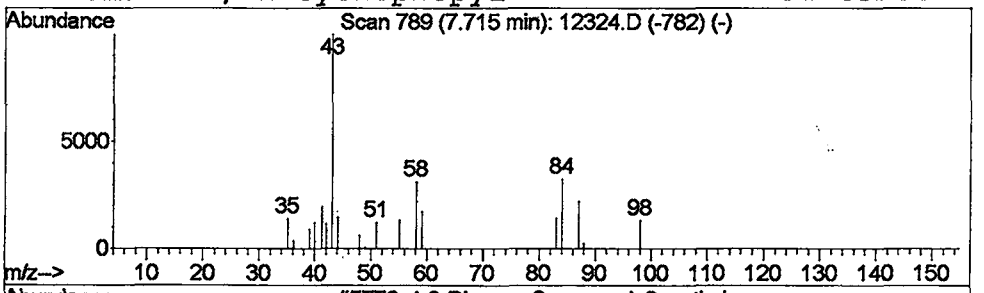
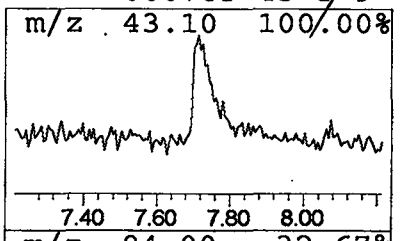
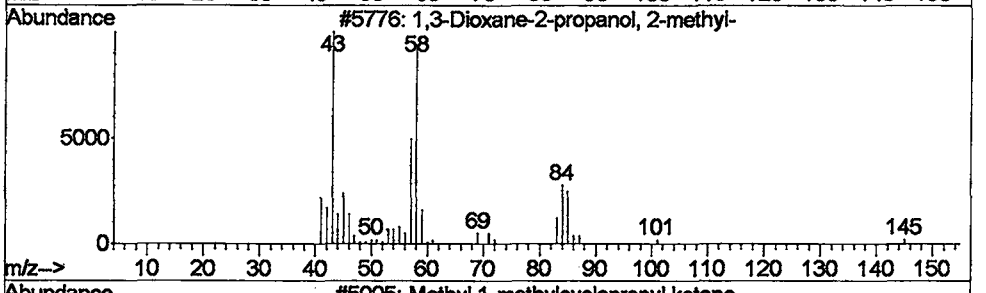
Peak Number 16 1,3-Dioxane-2-propanol, 2-m... Concentration Rank 18

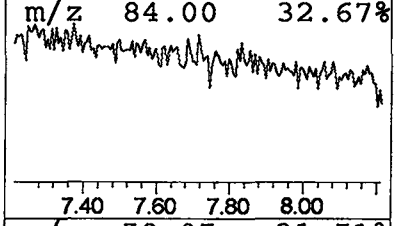
R.T.	EstConc	Area	Relative to ISTD	R.T.
7.72	0.21 ug/L	141056	1,4-Dichlorobenzene-d4	9.90

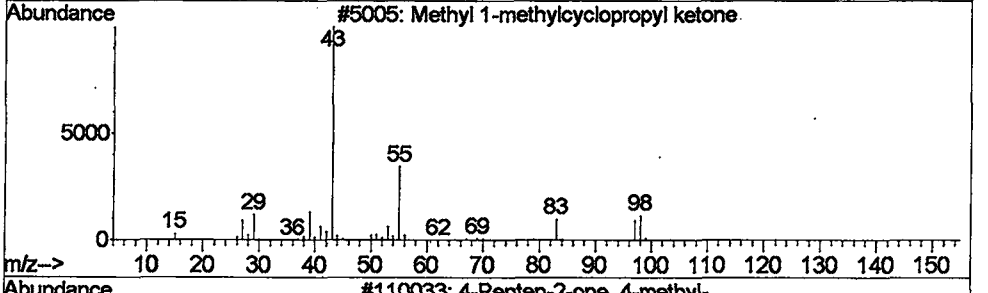
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Dioxane-2-propanol, 2-methyl-	160	C8H16O3	036651-31-7	17
2	Methyl 1-methylcyclopropyl ketone	98	C6H10O	001567-75-5	9
3	4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	9
4	Ethanone, 1-cyclopropyl-	84	C5H8O	000765-43-5	9

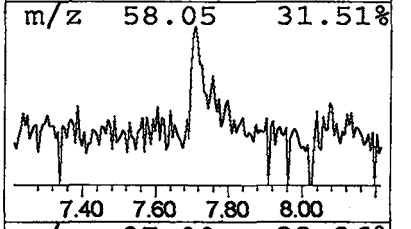


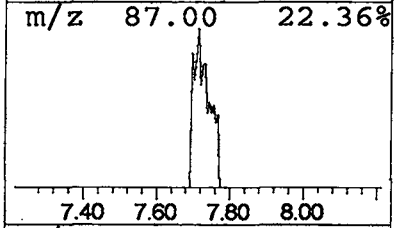


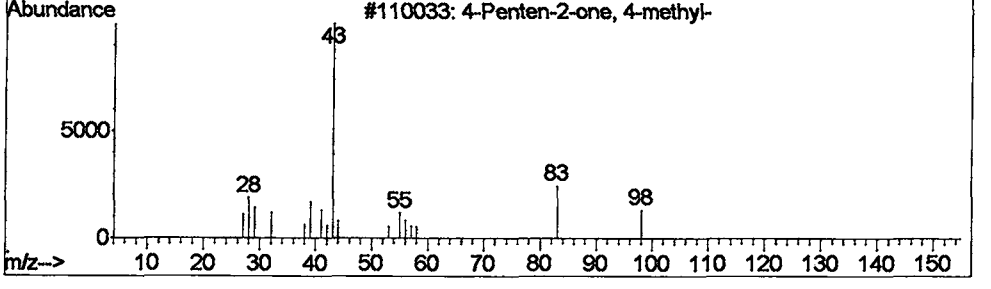


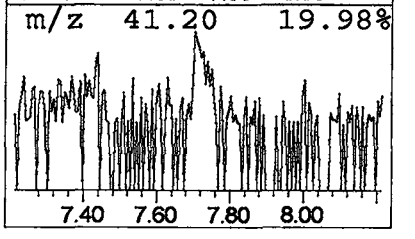












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MS Integration Params: LSCINT.e

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

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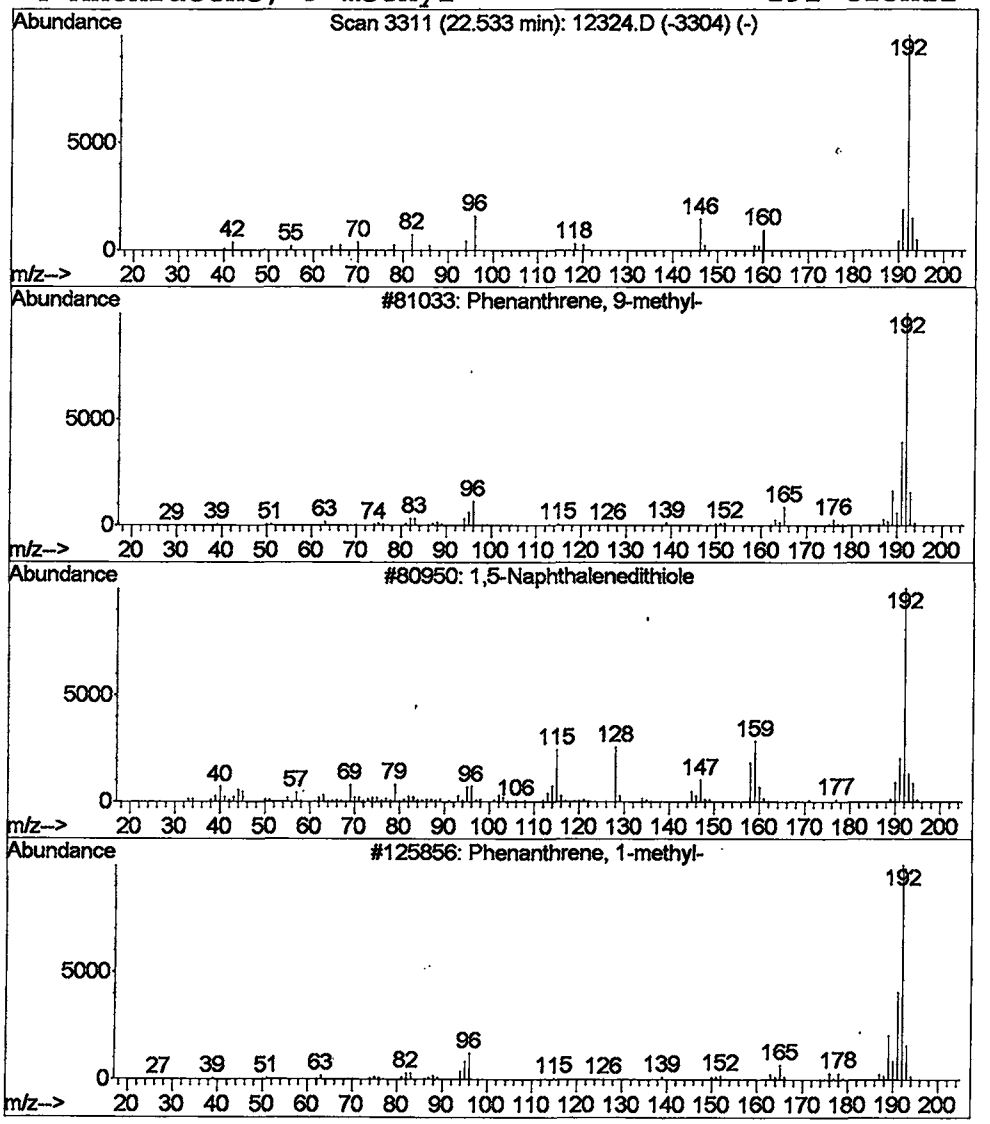
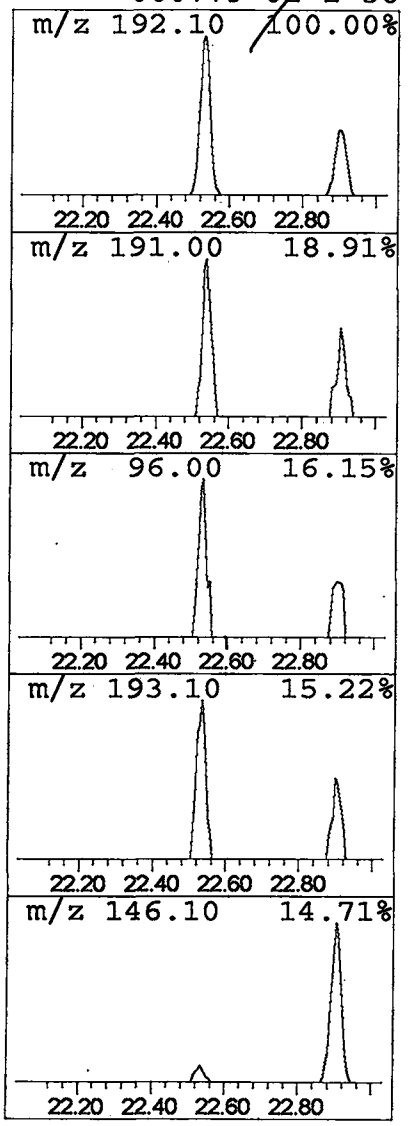
Peak Number 17 Phenanthrene, 9-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.54	0.28 ug/L	287114	Phenanthranene-d10	22.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	59
2	1,5-Naphthalenedithiole	192	C10H8S2	1000223-69-5	38
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	36
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	36





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Acq On : 29 May 2002 7:03 pm Operator: McLean
Sample : gc/ms scan 5/24 fb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

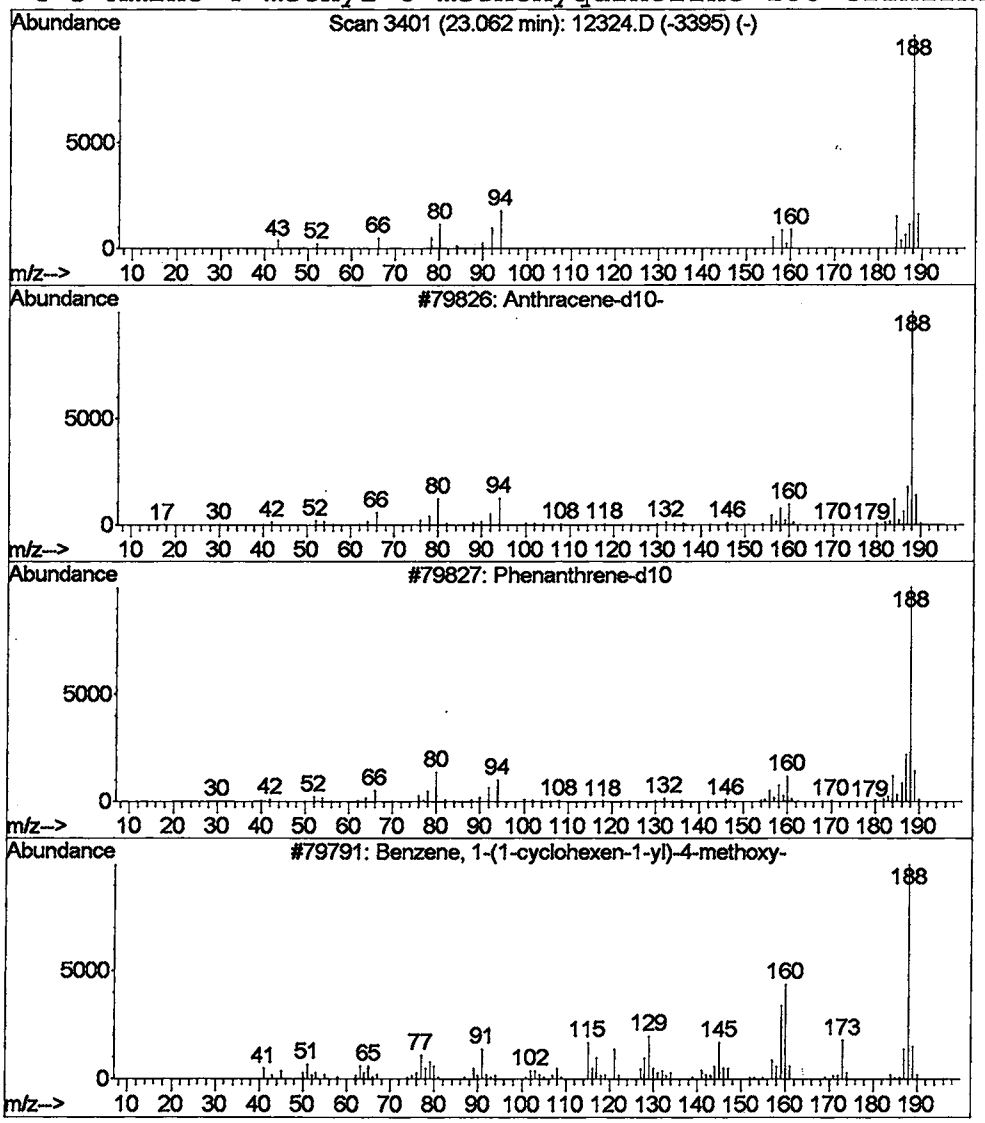
Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

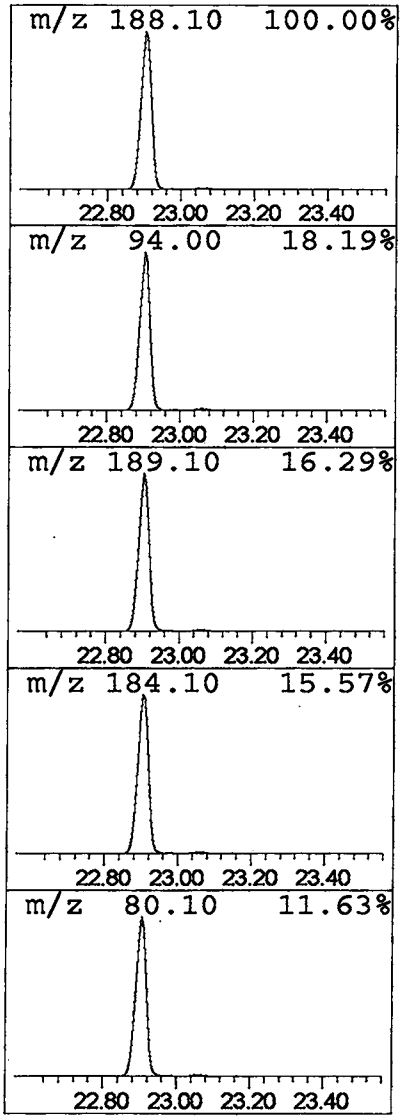
****

Peak Number 18 Anthracene-d10- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.06	0.32 ug/L	328987	Phenanthranene-d10	22.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene-d10-	188	C14D10	001719-06-8	72
2	Phenanthrene-d10	188	C14D10	001517-22-2	64
3	Benzene, 1-(1-cyclohexen-1-yl)-4...	188	C13H16O	020758-60-5	42
4	3-Amino-4-methyl-6-methoxyquinoline	188	C11H12N2O	1000213-71-3	40





Operator ID: McLean Date Acquired: 29 May 2002 7:03 pm
Data File: C:\MSDCHEM\1\DATA\052902\12324.D
Name: gc/ms scan 5/24 fb
Misc:
Method: C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title: 508 Modified GC/MS scan
Library Searched: C:\DATABASE\NIST98.L

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc
Acetonitrile, dic...	3.54	0.3	ug/L	230337	1	9.90	26930800	40.0
Methylene Chloride	3.72	3.0	ug/L	1999130	1	9.90	26930800	40.0
Krypton	3.76	2.7	ug/L	1843560	1	9.90	26930800	40.0
2-Pentene, 4-methyl-	3.85	1.1	ug/L	725712	1	9.90	26930800	40.0
4-Chlorobuten-3-yne	3.89	1.6	ug/L	1052370	1	9.90	26930800	40.0
Methylene Chloride	3.95	1.0	ug/L	673490	1	9.90	26930800	40.0
1,2,3-Butatriene,...	3.99	0.7	ug/L	472097	1	9.90	26930800	40.0
2-Butenal, 2-methyl-	4.06	2.0	ug/L	1356550	1	9.90	26930800	40.0
Acetic acid, dich...	4.18	1.3	ug/L	897797	1	9.90	26930800	40.0
Acetoacetic acid,...	4.39	0.4	ug/L	266868	1	9.90	26930800	40.0
1-Buten-3-yne, 2-...	4.43	0.8	ug/L	522603	1	9.90	26930800	40.0
Methylene Chloride	4.47	0.8	ug/L	507199	1	9.90	26930800	40.0
Carbonic chloride...	4.66	0.4	ug/L	250269	1	9.90	26930800	40.0
Nitrosyl chloride	4.89	0.3	ug/L	168502	1	9.90	26930800	40.0
2-Pentanone, 4-hy...	5.93	12.3	ug/L	8293360	1	9.90	26930800	40.0
1,3-Dioxane-2-pro...	7.72	0.2	ug/L	141056	1	9.90	26930800	40.0
Phenanthrene, 9-m...	22.54	0.3	ug/L	287114	4	22.91	40667700	40.0
Anthracene-d10-	23.06	0.3	ug/L	328987	4	22.91	40667700	40.0