User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 06/10/2002 Time: 15:44:04

Sample: AE12764
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 6/10/02 15:43 Ended: 6/10/02 15:43 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		72		10.0

Comments for Sample AE12764 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 06-10-2002 Time: 15:44:28

The GCMS scan, 35 to 550 amu, does not reveal the presence of unusual compounds.
The recoveries for 7 of the 43 compounds in the LCS Standard were low.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\060702\12764.D Vial: 4
Acq On : 7 Jun 2002 11:02 am Operator:
Sample : Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: Jun 10 09:19:06 2002 Quant Results File: 060302.RES

Quant Method : C:\MSDCHEM\1\METHODS\060302.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Thu Jun 06 15:03:45 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-dichlorobenzene-d4	9.89	152	4026936	40.00	ug/L	0.00
10) Napthalene-d8	13.39	136	16068322	40.00	ug/L	0.00
17) Acenapthalene-d10	18.52	164	8835174	40.00	ug/L	0.00
29) Phenanthranene-d10	22.90	188	13618354	40.00	ug/L	0.00
37) Chrysene-d12	30.75	240	8019555	40.00	ug/L	0.00
43) Perylene-d12	34.65	264	3648391	40.00	ug/L	0.00
System Monitoring Compounds						
27) TCMX	20.50	209	1824426	28.78	ug/L	0.00
Spiked Amount 40.000			Recovery = 71.95%			
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	20.50	77	28625	N.D.		
30) Nnitrosodiphenylamine	20.50	169	33542	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

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Acq On : 7 Jun 2002 11:02 am Operator:
Sample : Inst : Instrumen
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Quant Method : C:\MSDCHEM\1\METHODS\060302.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Thu Jun 06 15:03:45 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

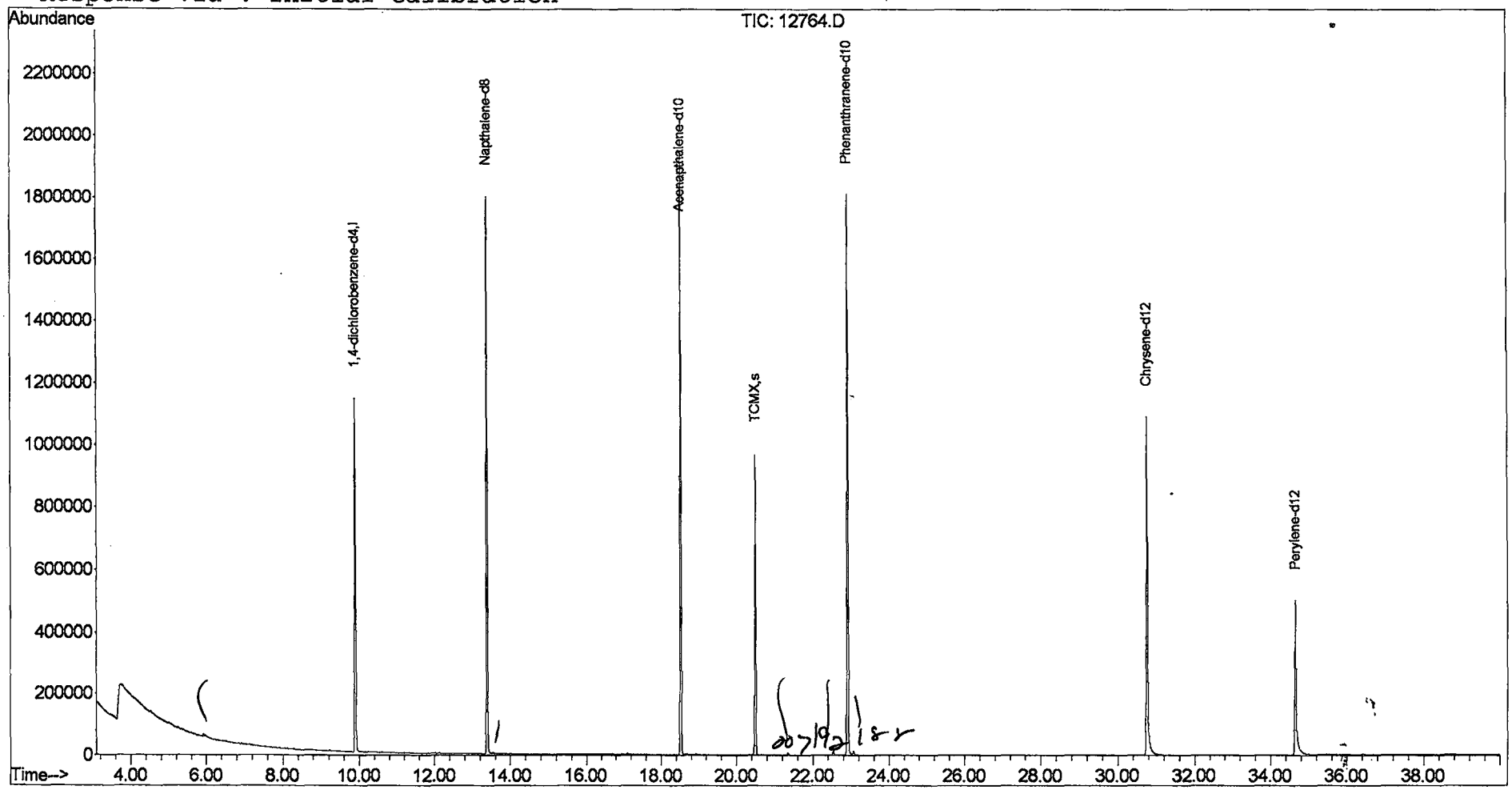
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
36) Fluoroanthene	0.00	202	0	N.D.	
38) Pyrene	0.00	202	0	N.D.	
39) Butylbenzylphthalate	0.00	149	0	N.D.	
40) Benzo(a)anthracene	0.00	228	0	N.D.	
41) Bis(2-ethylhexyl)phthalate	0.00	149	0	N.D.	
42) Chrysene	0.00	228	0	N.D.	
44) Di-n-octylphthalate	0.00	149	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\060702\12764.D Vial: 4
Acq On : 7 Jun 2002 11:02 am Operator:
Sample : Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: Jun 10 10:29 2002 Quant Results File: 060302.RES

Method : C:\MSDCHEM\1\METHODS\060302.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Thu Jun 06 15:03:45 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\060702\12764.D Vial: 4
Acq On : 7 Jun 2002 11:02 am Operator:
Sample : Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

Method : C:\MSDCHEM\1\METHODS\060302.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan

Signal : TIC

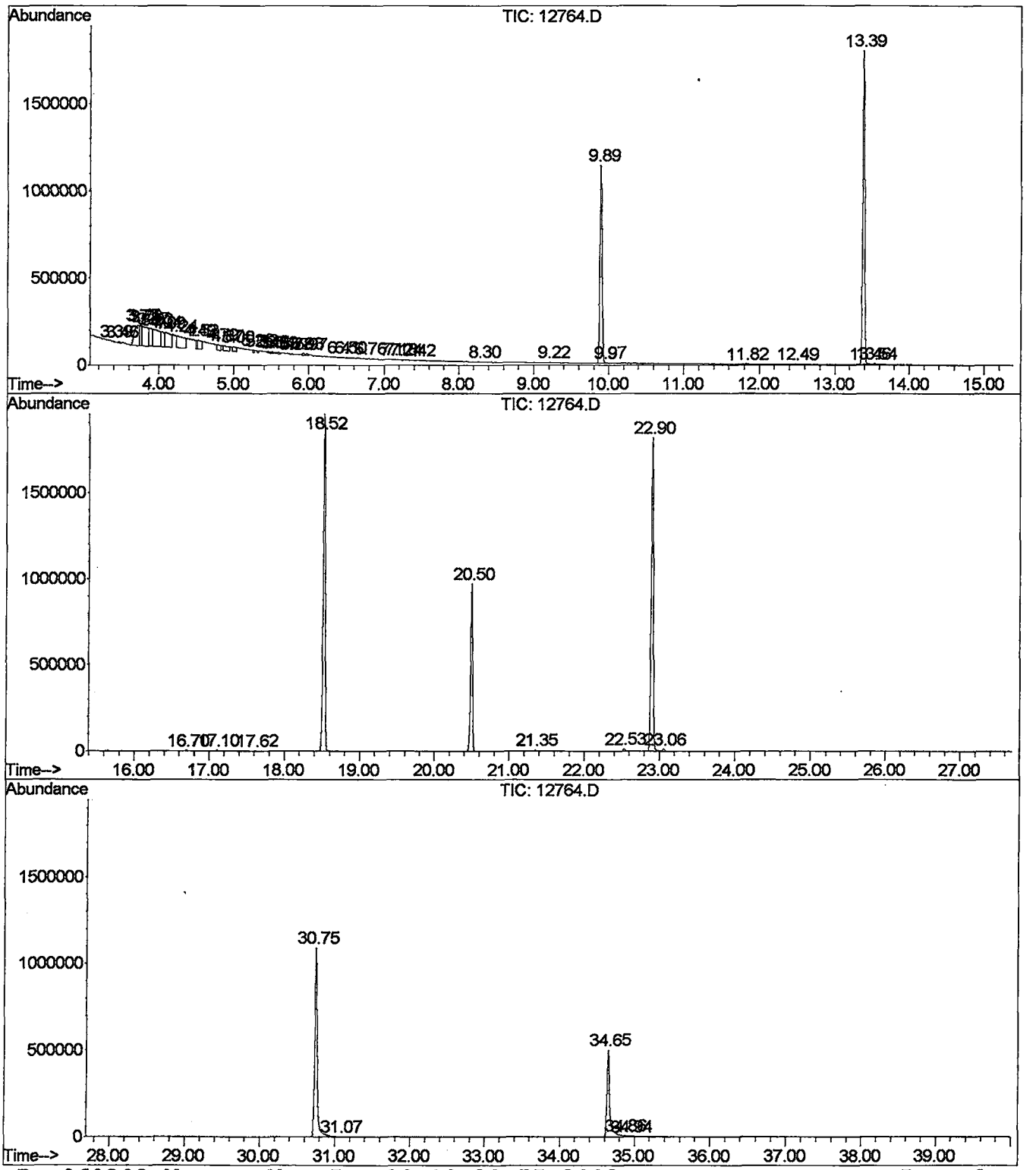
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.385	50	52	59	PV 4	2711	32506	0.09%	0.014%
2	3.461	63	65	72	VV 6	5913	122735	0.34%	0.054%
3	3.720	91	109	112	PV 2	116455	5172259	14.15%	2.275%
4	3.749	112	114	118	VV 4	116405	2260539	6.18%	0.994%
5	3.778	118	119	134	VV 6	114245	5985133	16.37%	2.633%
6	3.872	134	135	142	VV 4	101396	2904308	7.94%	1.278%
7	3.925	142	144	161	VV 4	97697	6170121	16.87%	2.714%
8	4.037	161	163	170	VV 6	86233	2409605	6.59%	1.060%
9	4.084	170	171	187	VV 7	82127	4732180	12.94%	2.082%
10	4.243	197	198	219	VV 4	68420	4736044	12.95%	2.083%
11	4.495	239	241	243	VV 3	49632	585816	1.60%	0.258%
12	4.519	243	245	254	VV 5	51192	1878960	5.14%	0.827%
13	4.789	287	291	298	VV 5	32974	1096390	3.00%	0.482%
14	4.865	303	304	318	VV 7	28137	1341474	3.67%	0.590%
15	5.006	324	328	334	VV 5	25966	835092	2.28%	0.367%
16	5.259	370	371	373	VV 2	13927	154273	0.42%	0.068%
17	5.318	380	381	383	VV 2	12291	132478	0.36%	0.058%
18	5.459	403	405	411	VV 3	9815	236789	0.65%	0.104%
19	5.506	411	413	417	VV 4	8700	149644	0.41%	0.066%
20	5.541	417	419	421	VV 2	7498	92578	0.25%	0.041%
21	5.588	421	427	434	VV 7	7461	278438	0.76%	0.122%
22	5.764	455	457	459	VV 3	4135	34466	0.09%	0.015%
23	5.782	459	460	463	VV 3	4231	51169	0.14%	0.023%
24	5.929	480	485	489	VV 3	12058	232376	0.64%	0.102%
25	5.970	489	492	496	VV 3	9375	179801	0.49%	0.079%
26	6.405	565	566	580	PV 8	2077	40831	0.11%	0.018%
27	6.499	580	582	590	VV 3	2373	35211	0.10%	0.015%
28	6.763	625	627	631	PV 5	2318	32015	0.09%	0.014%
29	7.116	684	687	696	VV 8	2847	87387	0.24%	0.038%
30	7.174	696	697	699	VV 2	3045	22016	0.06%	0.010%
31	7.239	704	708	711	PV 6	2166	27529	0.08%	0.012%
32	7.421	736	739	742	PV 5	1621	19084	0.05%	0.008%
33	8.297	886	888	892	PV 3	1725	17521	0.05%	0.008%
34	9.213	1040	1044	1063	PV 6	3818	78676	0.22%	0.035%
35	9.895	1151	1160	1171	PV	1136316	23874108	65.29%	10.502%
36	9.971	1171	1173	1179	VV 5	2525	30589	0.08%	0.013%
37	11.822	1484	1488	1492	PV 4	1912	29900	0.08%	0.013%

38	12.486	1597	1601	1607	VV	3	2321	41456	0.11%	0.018%
39	13.385	1743	1754	1765	PV		1770877	32197064	88.06%	14.163%
40	13.455	1765	1766	1774	VV	3	4721	97017	0.27%	0.043%
41	13.544	1774	1781	1790	VV	2	5573	114027	0.31%	0.050%
42	16.699	2314	2318	2324	VV	5	2599	47946	0.13%	0.021%
43	17.104	2375	2387	2394	PV	5	5178	94656	0.26%	0.042%
44	17.621	2469	2475	2483	VV	5	1985	30717	0.08%	0.014%
45	18.520	2612	2628	2643	PV		1910607	35832711	98.00%	15.762%
46	20.500	2952	2965	2976	PV		955449	17699335	48.41%	7.786%
47	21.352	3104	3110	3115	PV	4	6505	98741	0.27%	0.043%
48	22.533	3304	3311	3322	VV	2	12213	221360	0.61%	0.097%
49	22.903	3357	3374	3392	PV	2	1801653	36564306	100.00%	16.084%
50	23.062	3392	3401	3409	VV	3	11134	244987	0.67%	0.108%
51	30.753	4693	4710	4761	PV	2	1086987	24586493	67.24%	10.815%
52	31.070	4761	4764	4771	VV	4	1216	24329	0.07%	0.011%
53	34.649	5361	5373	5408	PV		494348	13178448	36.04%	5.797%
54	34.866	5408	5410	5422	VV	3	5035	138911	0.38%	0.061%
55	34.942	5422	5423	5430	VV	5	1529	23909	0.07%	0.011%

Sum of corrected areas: 227336456

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\060702\12764.D
Operator :
Acquired : 7 Jun 2002 11:02 am using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name:
Misc Info :
Vial Number: 4
Quant File :060302.RES (Chemstation Integrator)



Data File : C:\MSDCHEM\1\DATA\060702\12764.D Vial: 4
Acq On : 7 Jun 2002 11:02 am Operator:
Sample : Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

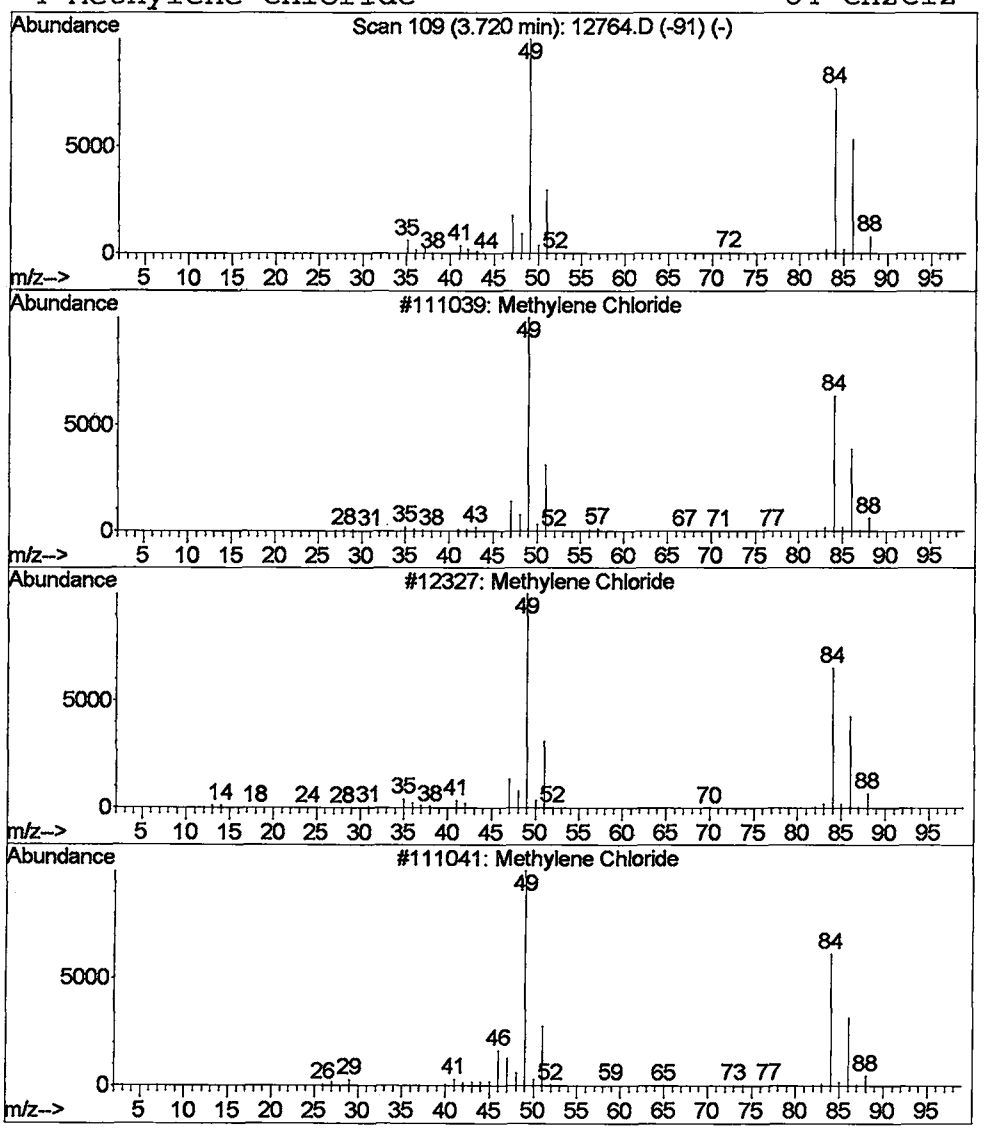
Quant Method : C:\MSDCHEM\1\METHODS\060302.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

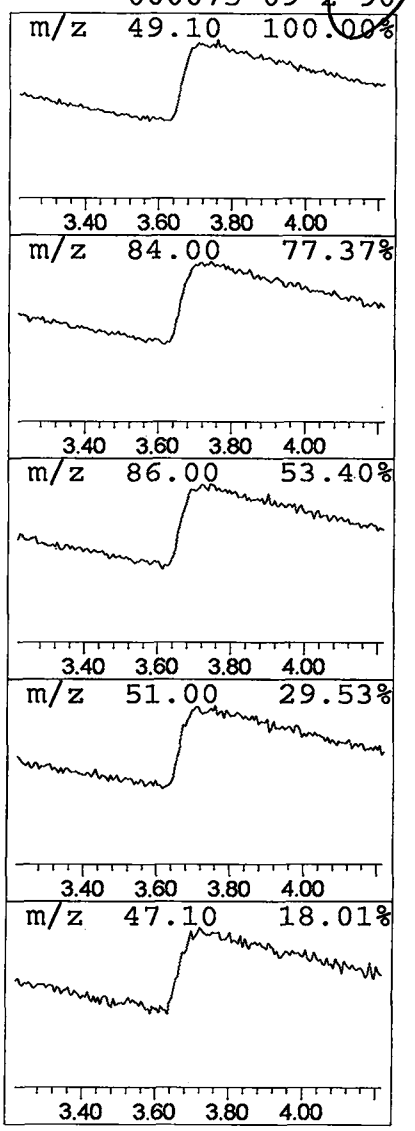
****

Peak Number 1 Methylene Chloride Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.72	8.67 ug/L	5172260	1,4-dichlorobenzene-d4	9.89

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	94
3	Methylene Chloride	84	CH2Cl2	000075-09-2	91
4	Methylene Chloride	84	CH2Cl2	000075-09-2	90





Data File : C:\MSDCHEM\1\DATA\060702\12764.D Vial: 4
Acq On : 7 Jun 2002 11:02 am Operator:
Sample : Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

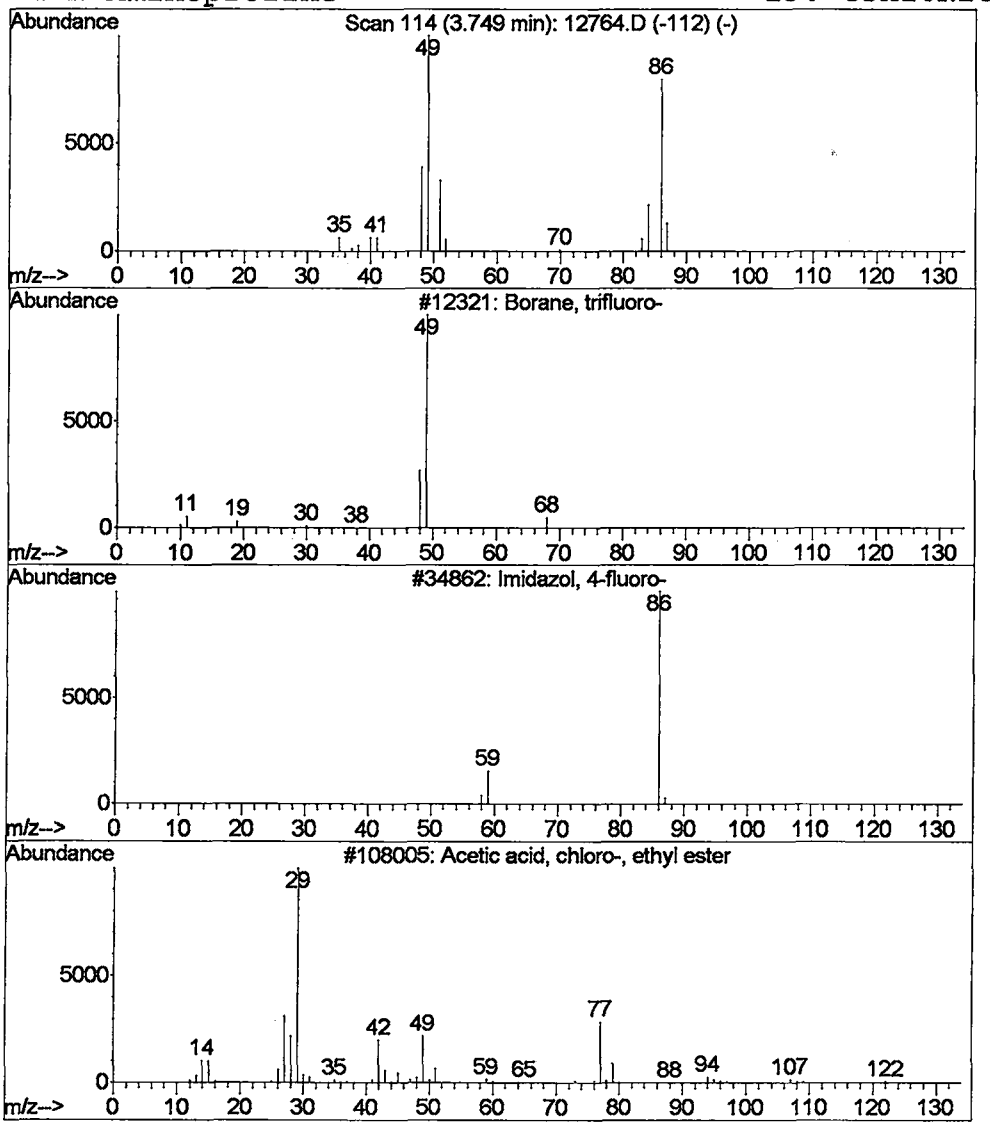
Quant Method : C:\MSDCHEM\1\METHODS\060302.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

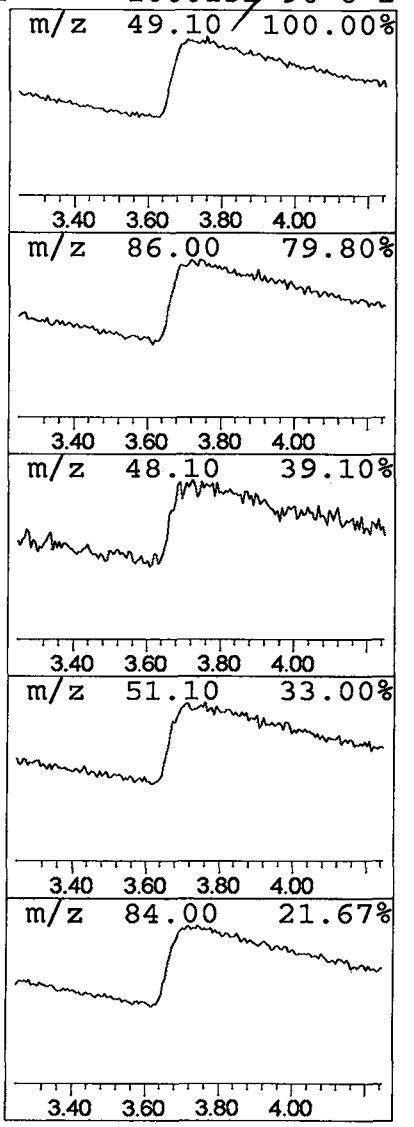
****

Peak Number 2 Borane, trifluoro- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.75	3.79 ug/L	2260540	1,4-dichlorobenzene-d4	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Borane, trifluoro-	68	BF3	007637-07-2	2
2	Imidazol, 4-fluoro-	86	C3H3FN2	030086-17-0	2
3	Acetic acid, chloro-, ethyl ester	122	C4H7ClO2	000105-39-5	2
4	N-Aminoproline	130	C5H10N2O2	1000132-90-6	2





Data File : C:\MSDCHEM\1\DATA\060702\12764.D Vial: 4
Acq On : 7 Jun 2002 11:02 am Operator:
Sample : Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

Quant Method : C:\MSDCHEM\1\METHODS\060302.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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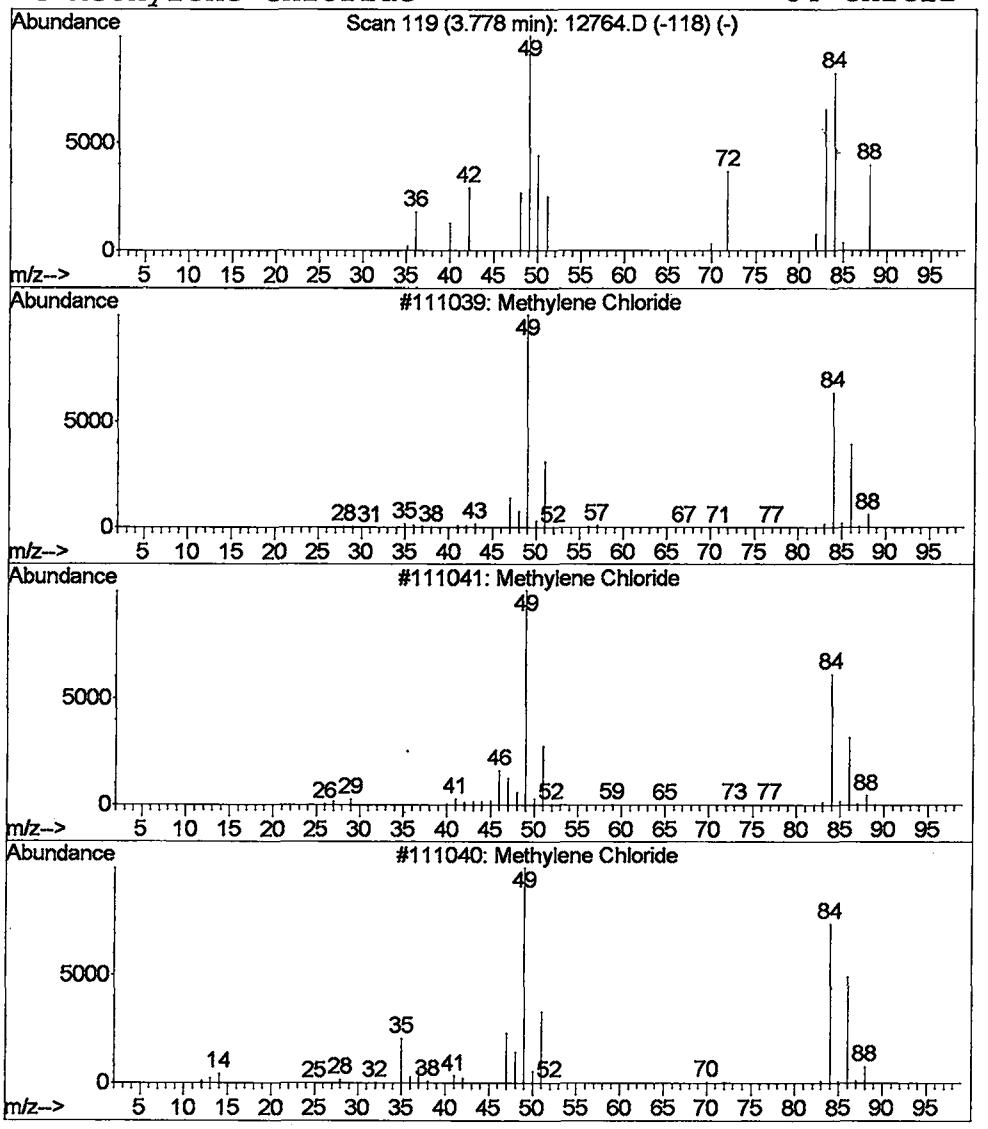
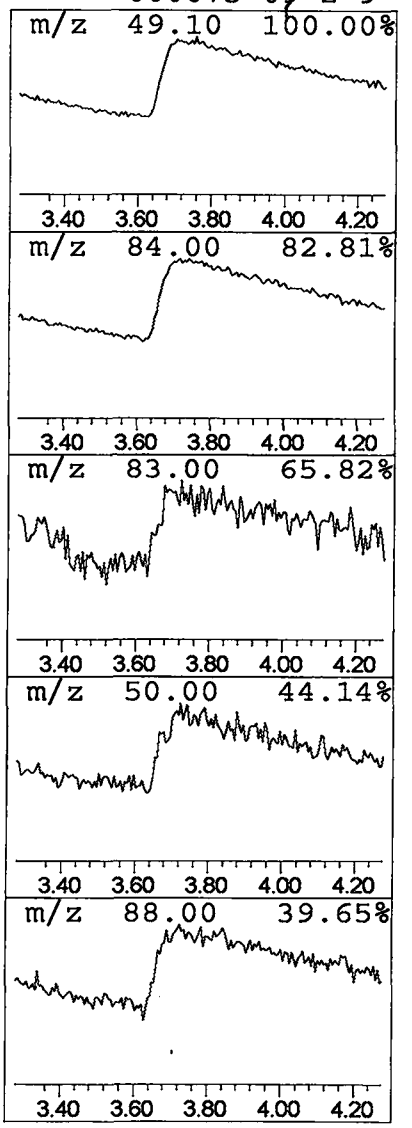
Peak Number 3 Methylene Chloride Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.78	10.03 ug/L	5985130	1,4-dichlorobenzene-d4	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methylene Chloride	84	CH2Cl2	000075-09-2	43
2	Methylene Chloride	84	CH2Cl2	000075-09-2	38
3	Methylene Chloride	84	CH2Cl2	000075-09-2	28
4	Methylene Chloride	84	CH2Cl2	000075-09-2	9





Data File : C:\MSDCHEM\1\DATA\060702\12764.D Vial: 4
Acq On : 7 Jun 2002 11:02 am Operator:
Sample : Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

Quant Method : C:\MSDCHEM\1\METHODS\060302.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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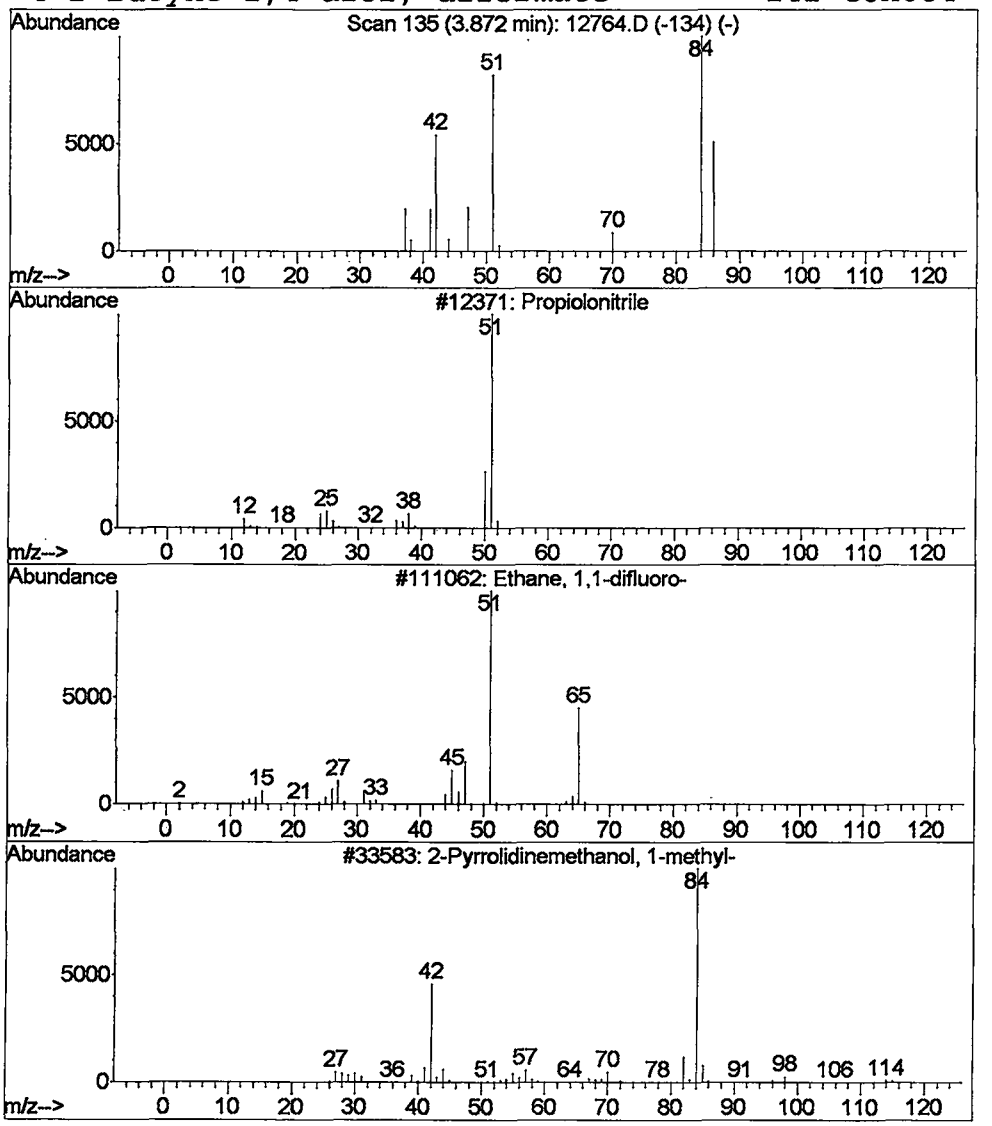
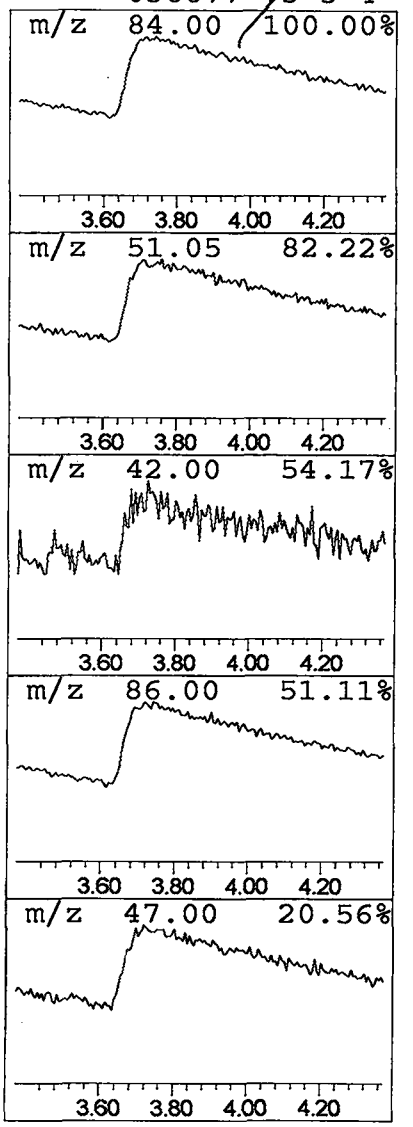
Peak Number 4 Propiolonitrile Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.87	4.87 ug/L	2904310	1,4-dichlorobenzene-d4	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propiolonitrile	51	C3HN	001070-71-9	4
2	Ethane, 1,1-difluoro-	66	C2H4F2	000075-37-6	4
3	2-Pyrrolidinemethanol, 1-methyl-	115	C6H13NO	003554-65-2	4
4	2-Butyne-1,4-diol, diformate	142	C6H6O4	036677-73-3	4





Data File : C:\MSDCHEM\1\DATA\060702\12764.D Vial: 4
Acq On : 7 Jun 2002 11:02 am Operator:
Sample : Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

Quant Method : C:\MSDCHEM\1\METHODS\060302.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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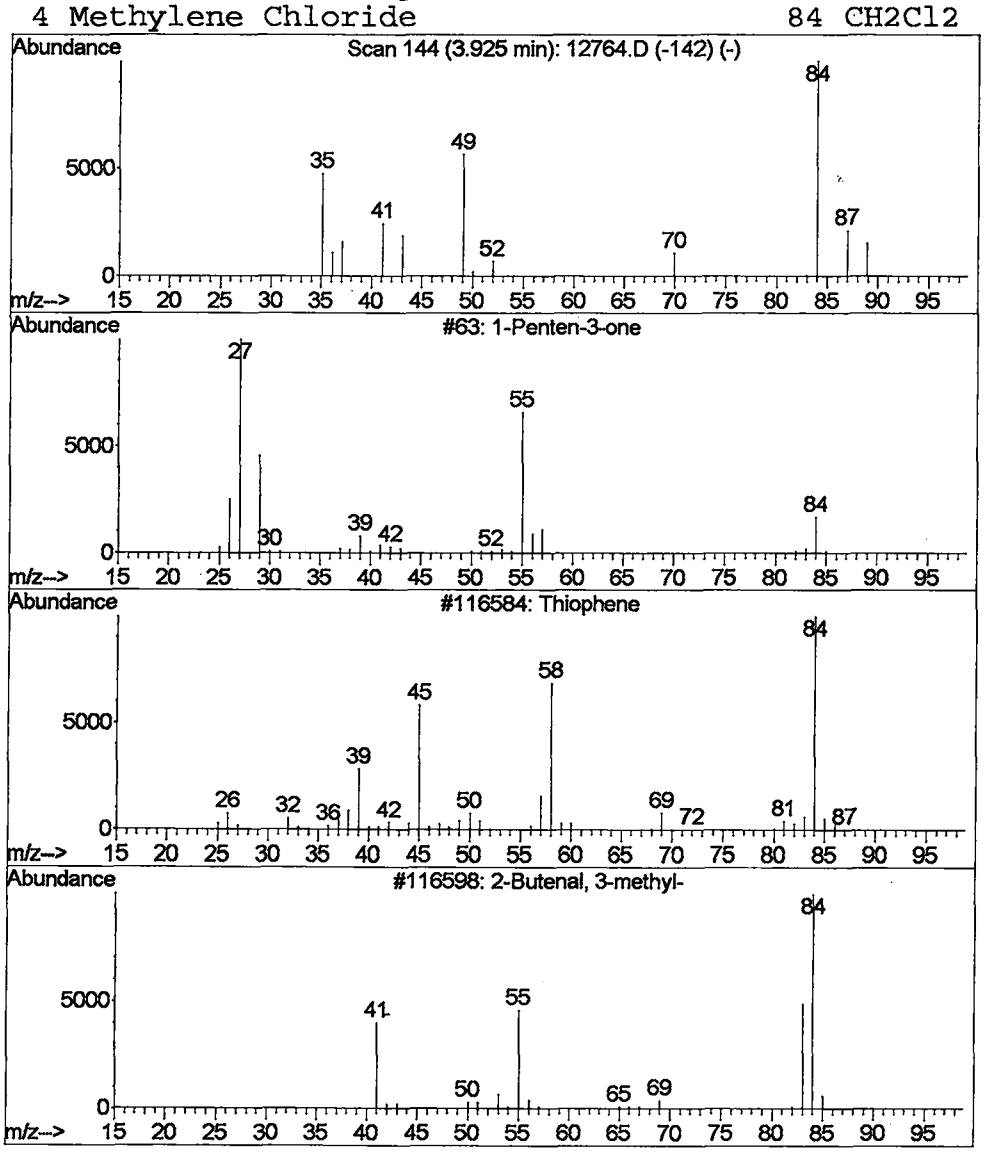
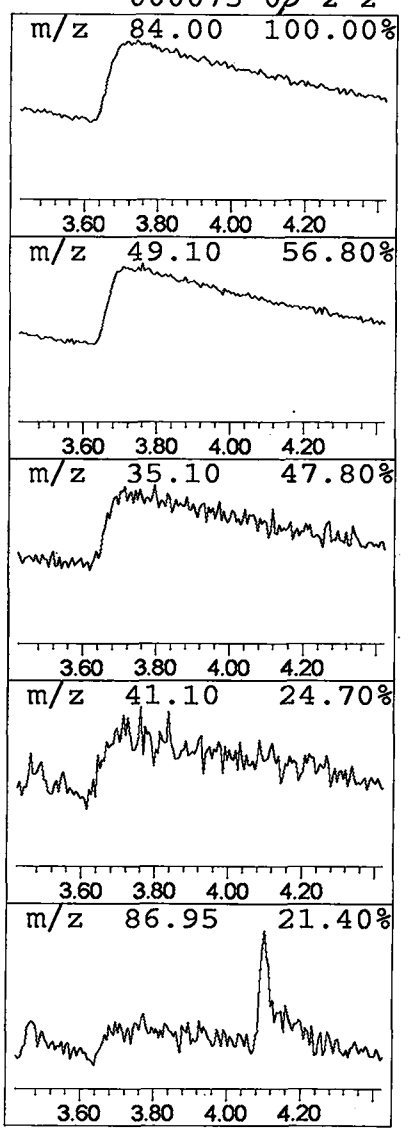
Peak Number 5 1-Penten-3-one Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.93	10.34 ug/L	6170120	1,4-dichlorobenzene-d4	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Penten-3-one	84	C5H8O	001629-58-9	4
2	Thiophene	84	C4H4S	000110-02-1	4
3	2-Butenal, 3-methyl-	84	C5H8O	000107-86-8	2
4	Methylene Chloride	84	CH2Cl2	000075-09-2	2





Data File : C:\MSDCHEM\1\DATA\060702\12764.D Vial: 4
Acq On : 7 Jun 2002 11:02 am Operator:
Sample : Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

Quant Method : C:\MSDCHEM\1\METHODS\060302.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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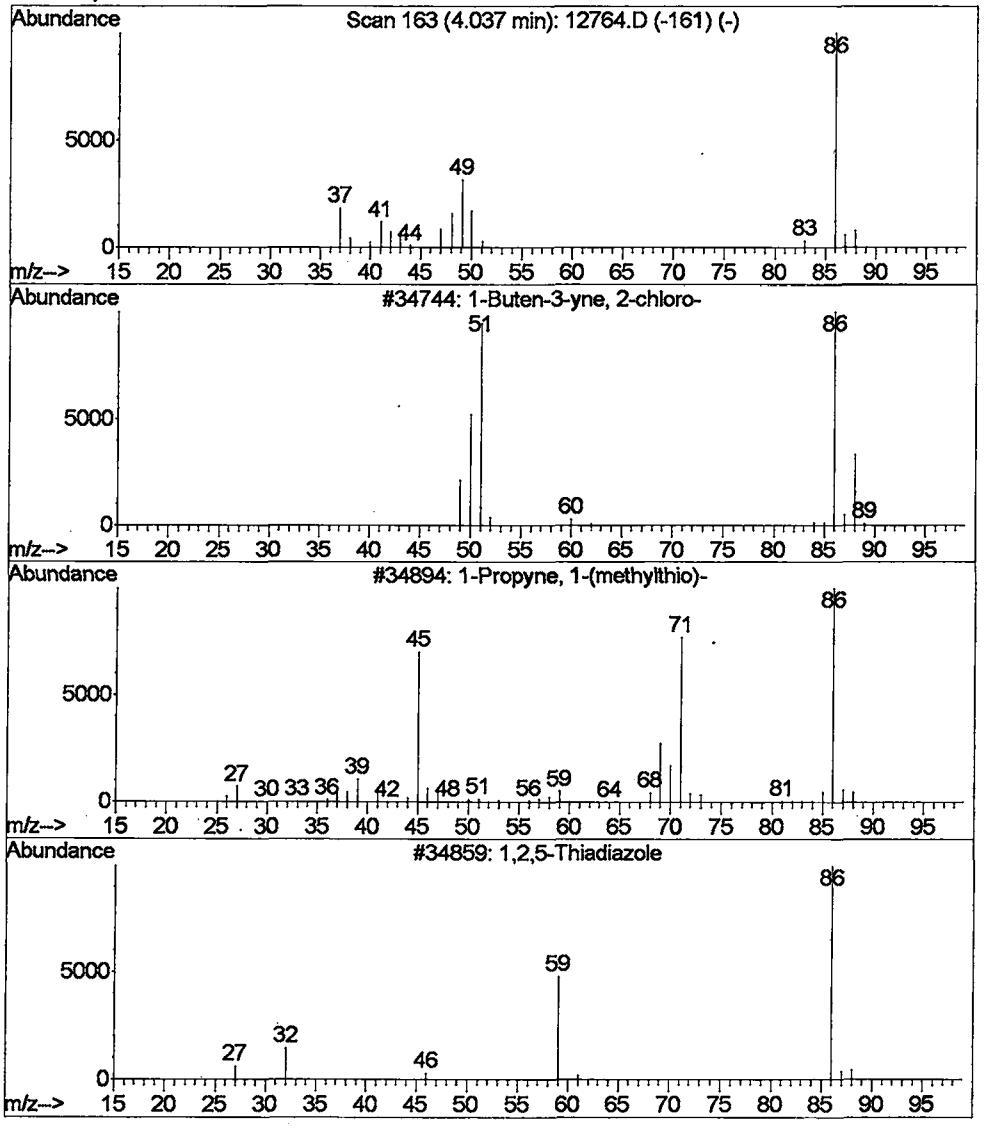
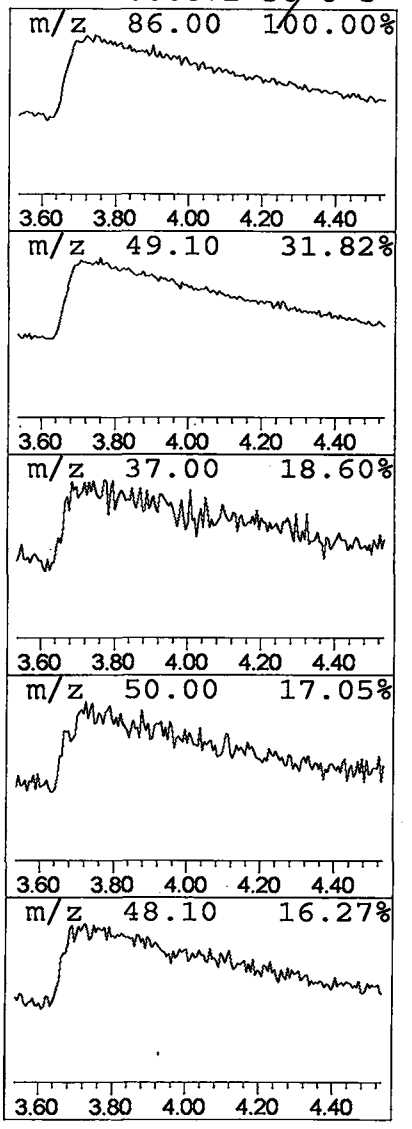
Peak Number 6 1-Buten-3-yne, 2-chloro- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.04	4.04 ug/L	2409610	1,4-dichlorobenzene-d4	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Buten-3-yne, 2-chloro-	86	C4H3Cl	017712-36-6	9
2	1-Propyne, 1-(methylthio)-	86	C4H6S	022174-51-2	9
3	1,2,5-Thiadiazole	86	C2H2N2S	000288-39-1	7
4	1,3-Dioxol-2-one	86	C3H2O3	000872-36-6	5





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Title : 508 Modified GC/MS scan
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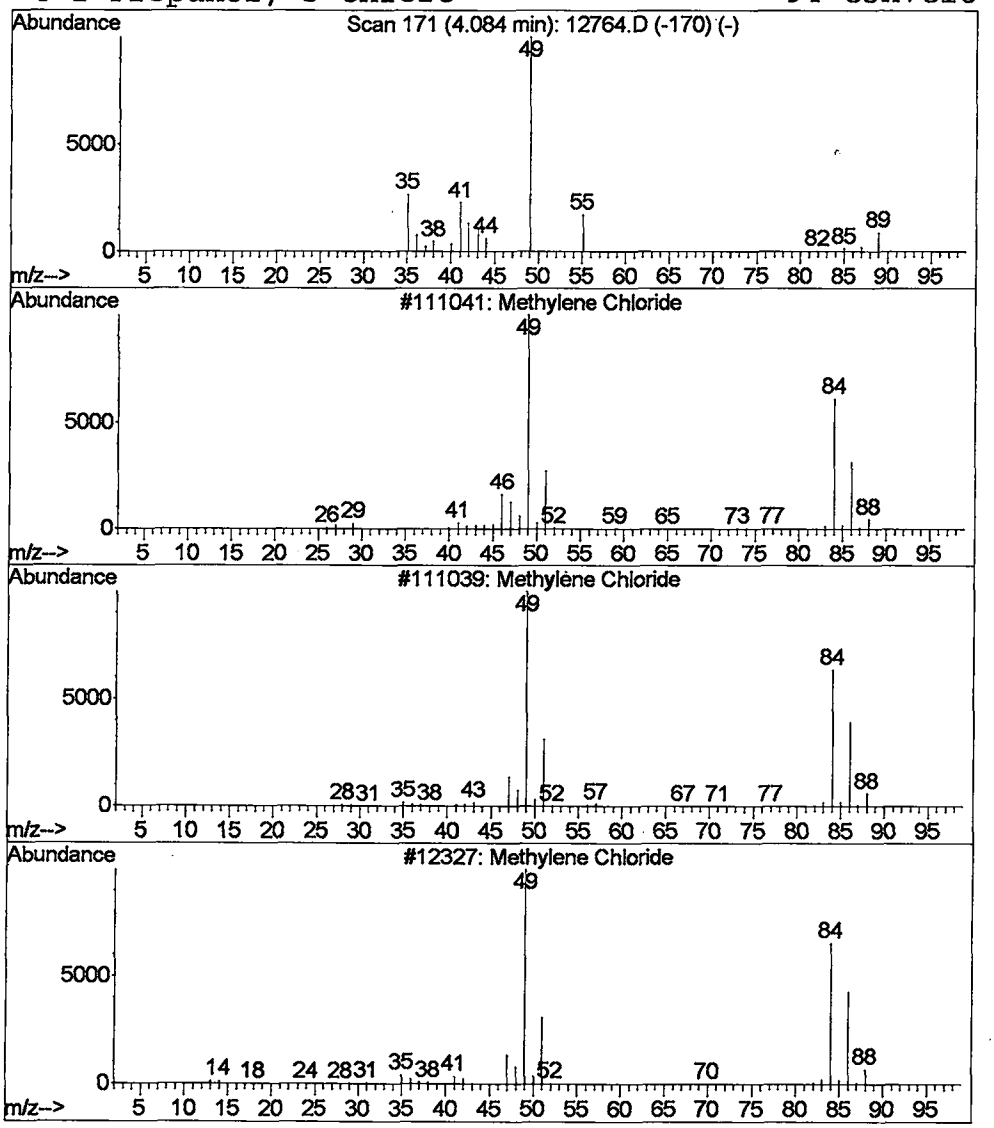
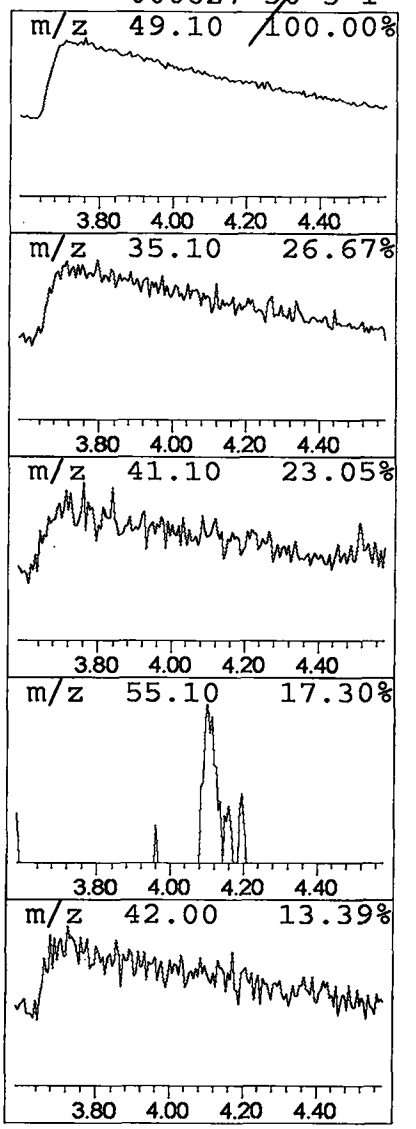
Peak Number 7 Methylene Chloride Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.09	7.93 ug/L	4732180	1,4-dichlorobenzene-d4	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methylene Chloride	84	CH2Cl2	000075-09-2	2
2	Methylene Chloride	84	CH2Cl2	000075-09-2	2
3	Methylene Chloride	84	CH2Cl2	000075-09-2	2
4	1-Propanol, 3-chloro-	94	C3H7ClO	000627-30-5	1





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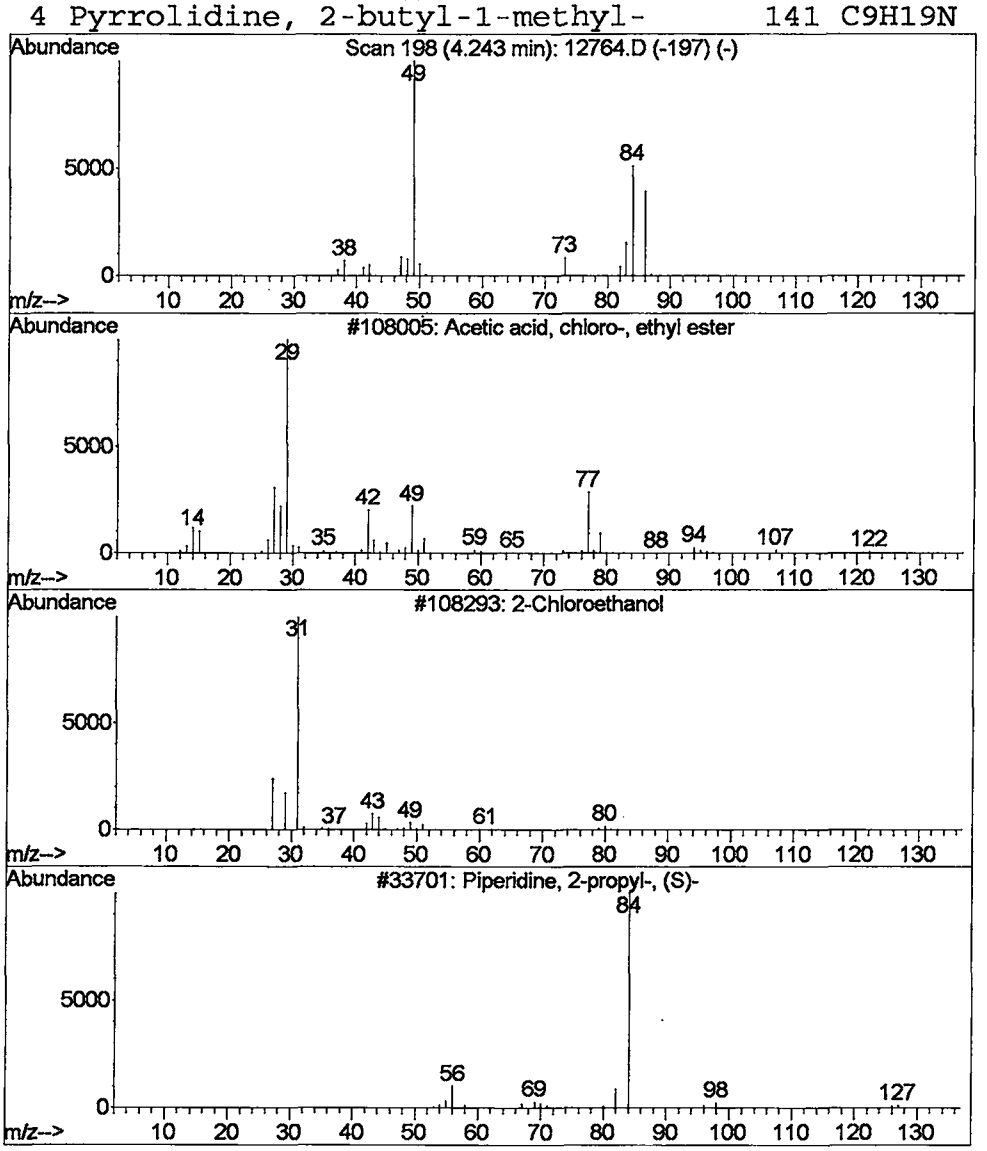
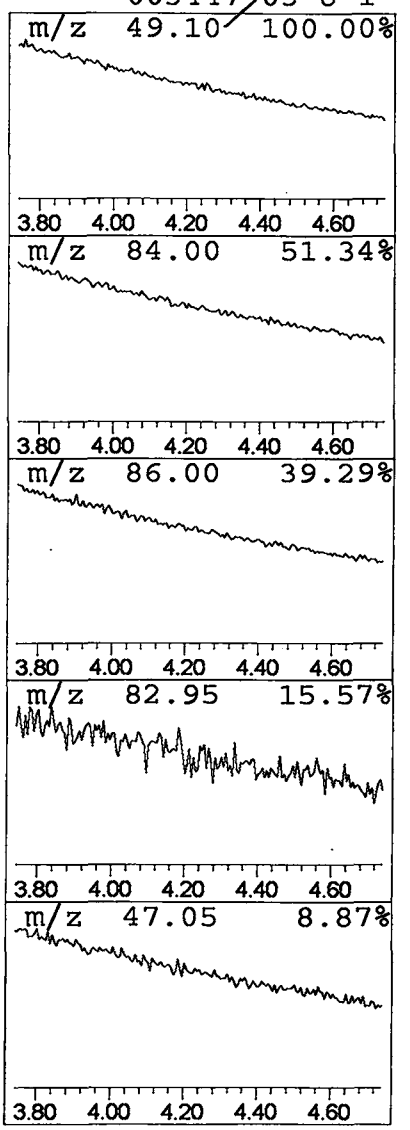
Peak Number 8 Acetic acid, chloro-, ethyl... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.24	7.94 ug/L	4736040	1,4-dichlorobenzene-d4	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, chloro-, ethyl ester	122	C4H7ClO2	000105-39-5	2
2	2-Chloroethanol	80	C2H5ClO	000107-07-3	1
3	Piperidine, 2-propyl-, (S)-	127	C8H17N	000458-88-8	1
4	Pyrrolidine, 2-butyl-1-methyl-	141	C9H19N	003447-03-8	1





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Library : C:\DATABASE\NIST98.L

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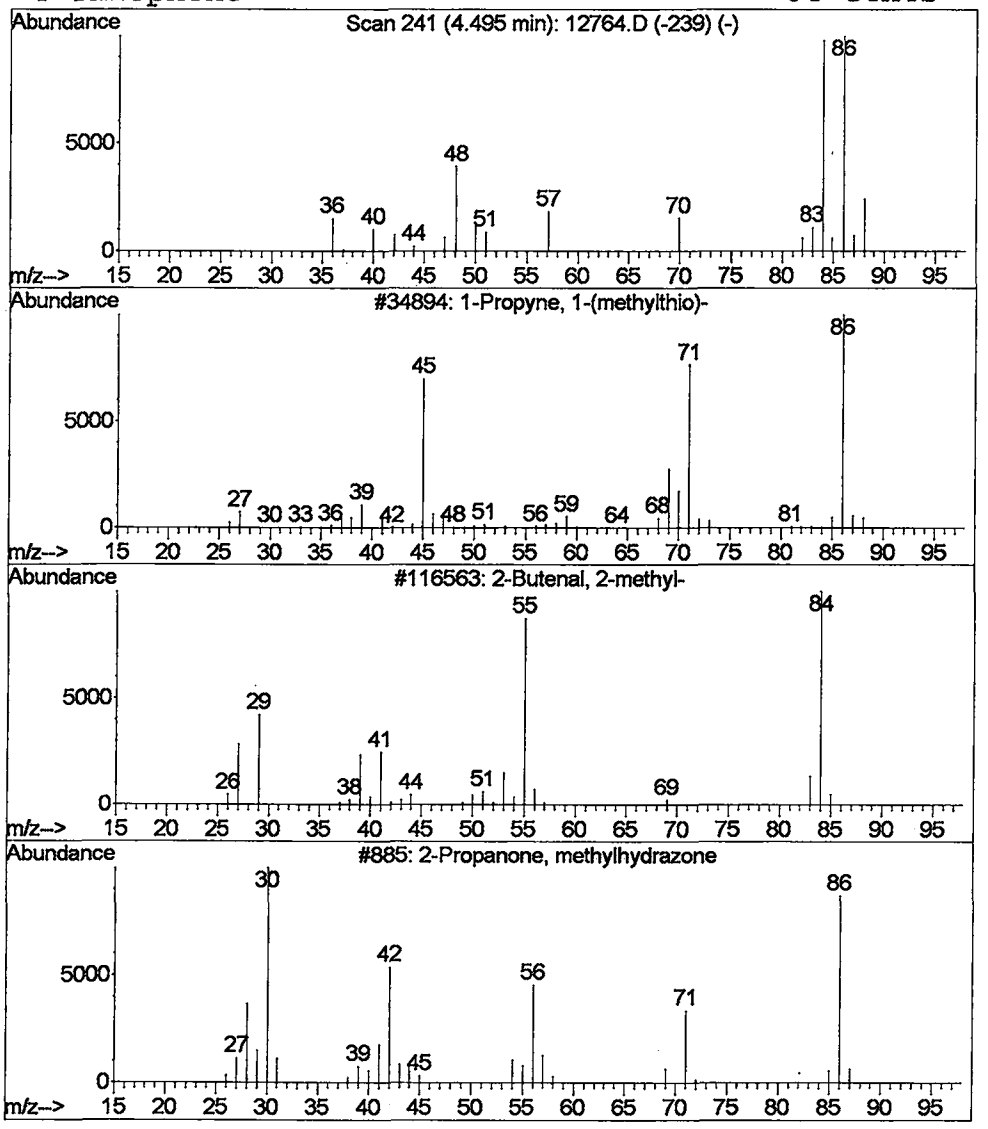
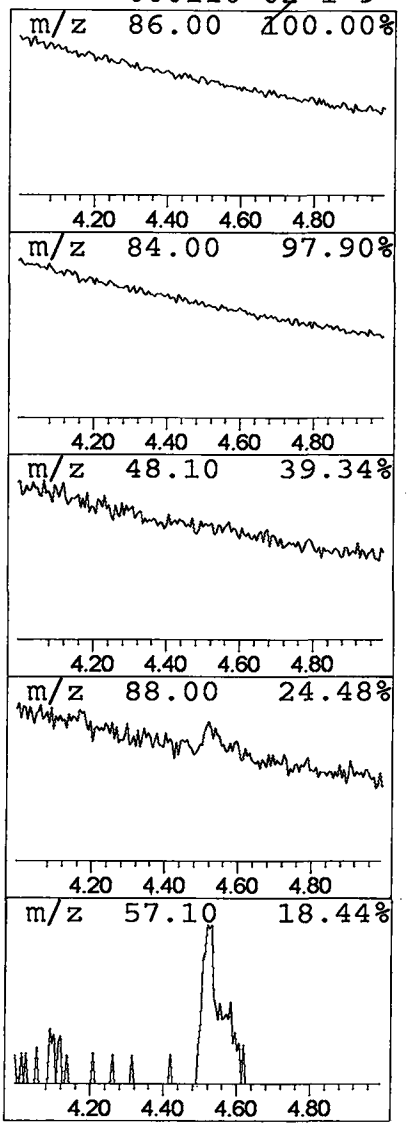
Peak Number 9 1-Propyne, 1-(methylthio)- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.49	0.98 ug/L	585816	1,4-dichlorobenzene-d4	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propyne, 1-(methylthio)-	86	C4H6S	022174-51-2	27
2	2-Butenal, 2-methyl-	84	C5H8O	001115-11-3	9
3	2-Propanone, methylhydrazone	86	C4H10N2	005771-02-8	9
4	Thiophene	84	C4H4S	000110-02-1	9





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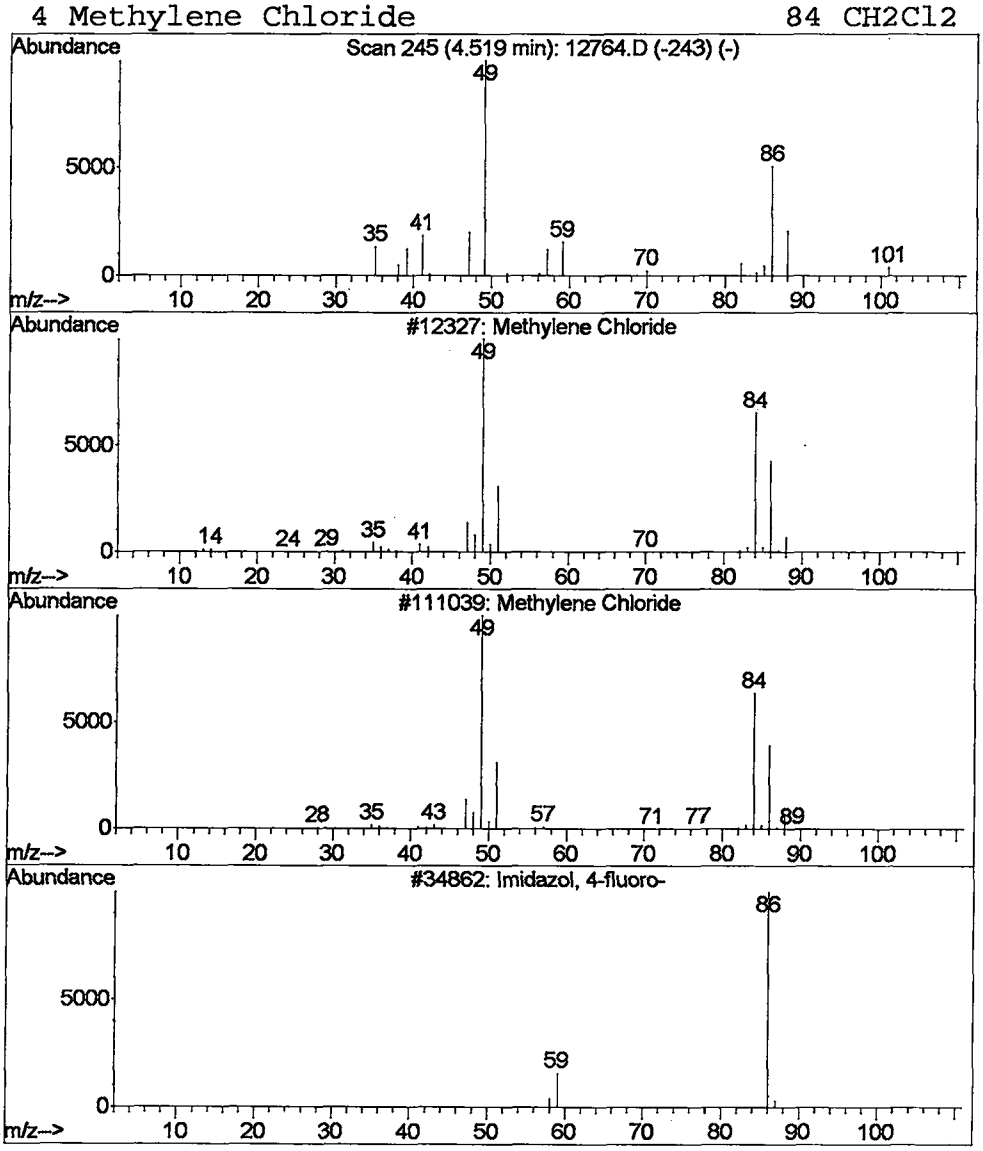
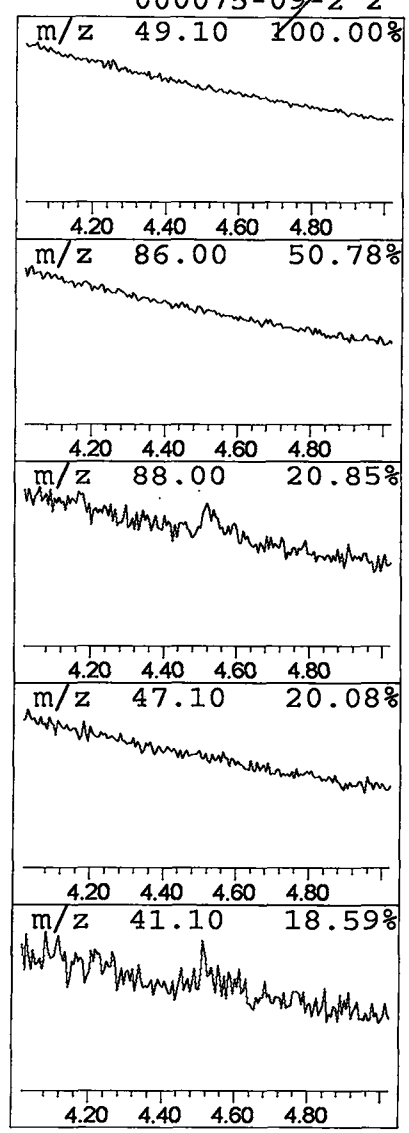
Peak Number 10 Methylene Chloride Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.52	3.15 ug/L	1878960	1,4-dichlorobenzene-d4	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methylene Chloride	84	CH2Cl2	000075-09-2	9
2	Methylene Chloride	84	CH2Cl2	000075-09-2	9
3	Imidazol, 4-fluoro-	86	C3H3FN2	030086-17-0	4
4	Methylene Chloride	84	CH2Cl2	000075-09-2	2





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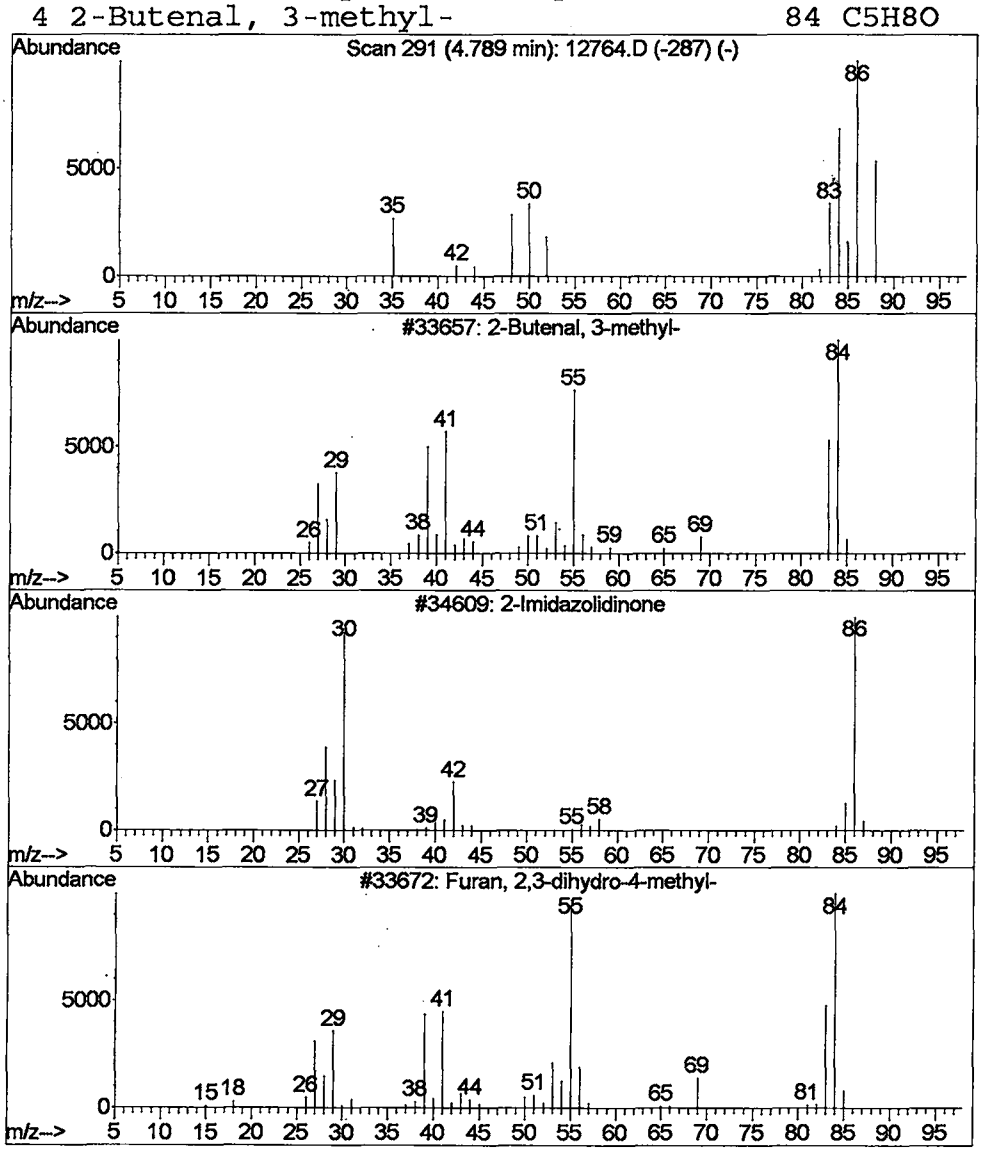
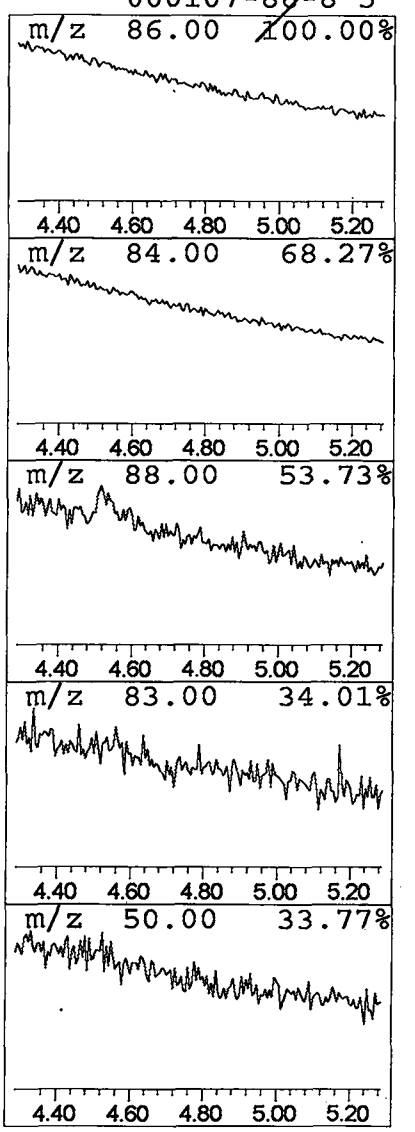
Peak Number 11 2-Butenal, 3-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.79	1.84 ug/L	1096390	1,4-dichlorobenzene-d4	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butenal, 3-methyl-	84	C5H8O	000107-86-8	9
2	2-Imidazolidinone	86	C3H6N2O	000120-93-4	7
3	Furan, 2,3-dihydro-4-methyl-	84	C5H8O	034314-83-5	7
4	2-Butenal, 3-methyl-	84	C5H8O	000107-86-8	5





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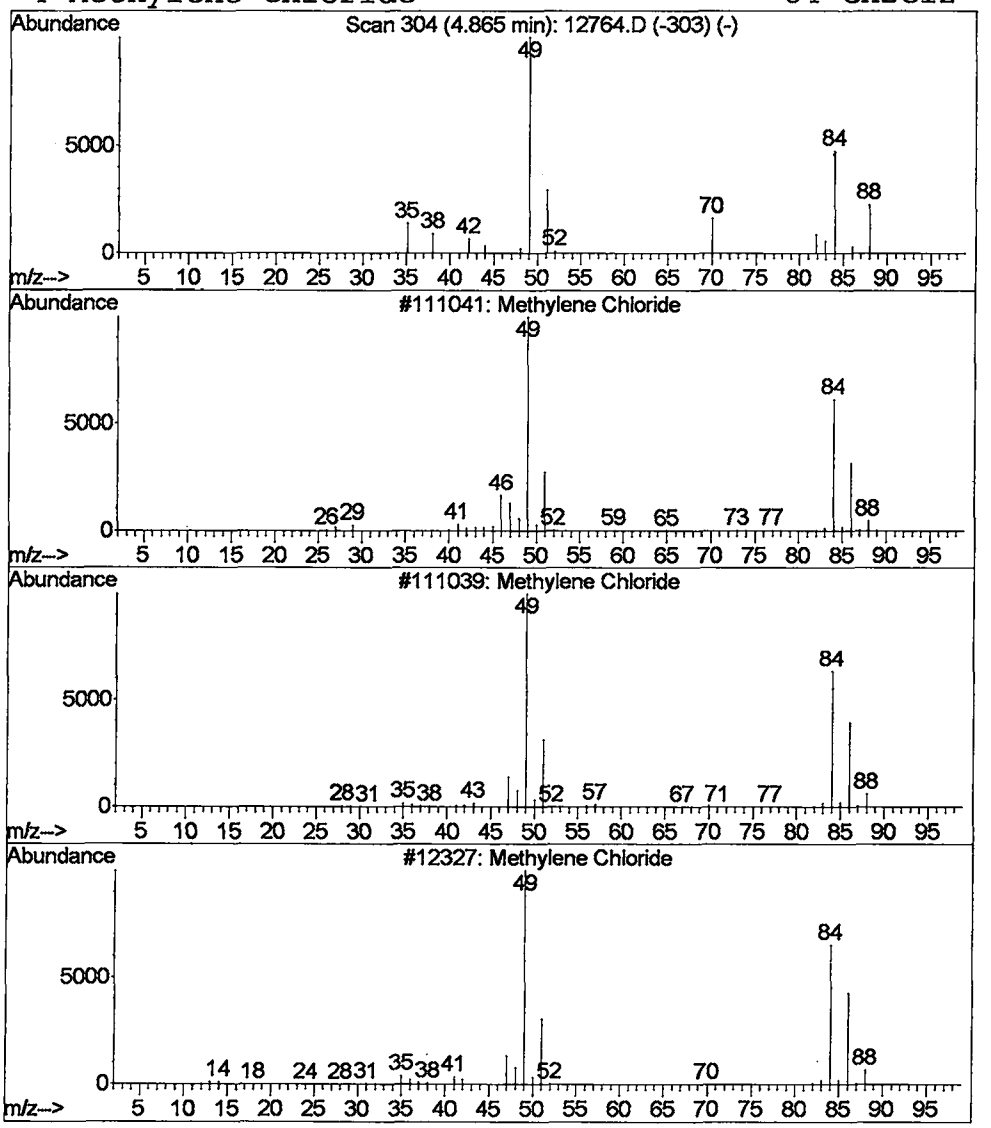
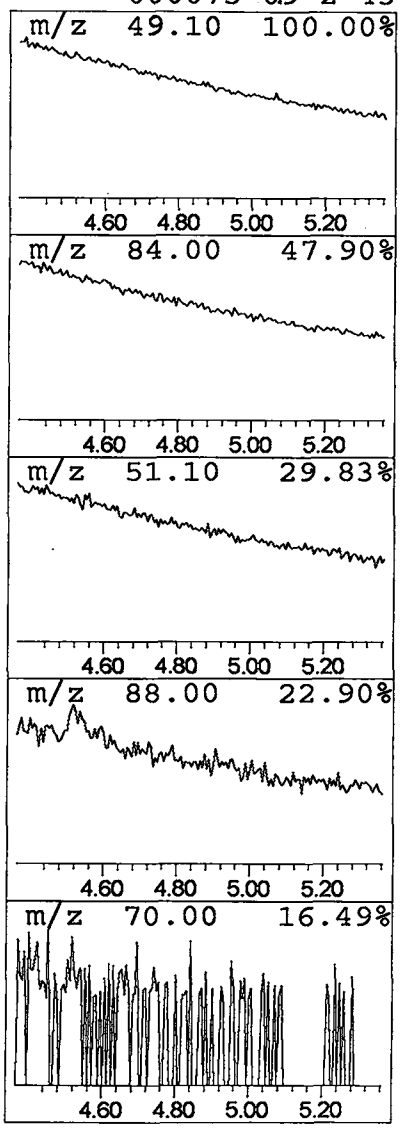
Peak Number 12 Methylene Chloride Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.87	2.25 ug/L	1341470	1,4-dichlorobenzene-d4	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methylene Chloride	84	CH2Cl2	000075-09-2	56
2	Methylene Chloride	84	CH2Cl2	000075-09-2	43
3	Methylene Chloride	84	CH2Cl2	000075-09-2	43
4	Methylene Chloride	84	CH2Cl2	000075-09-2	43





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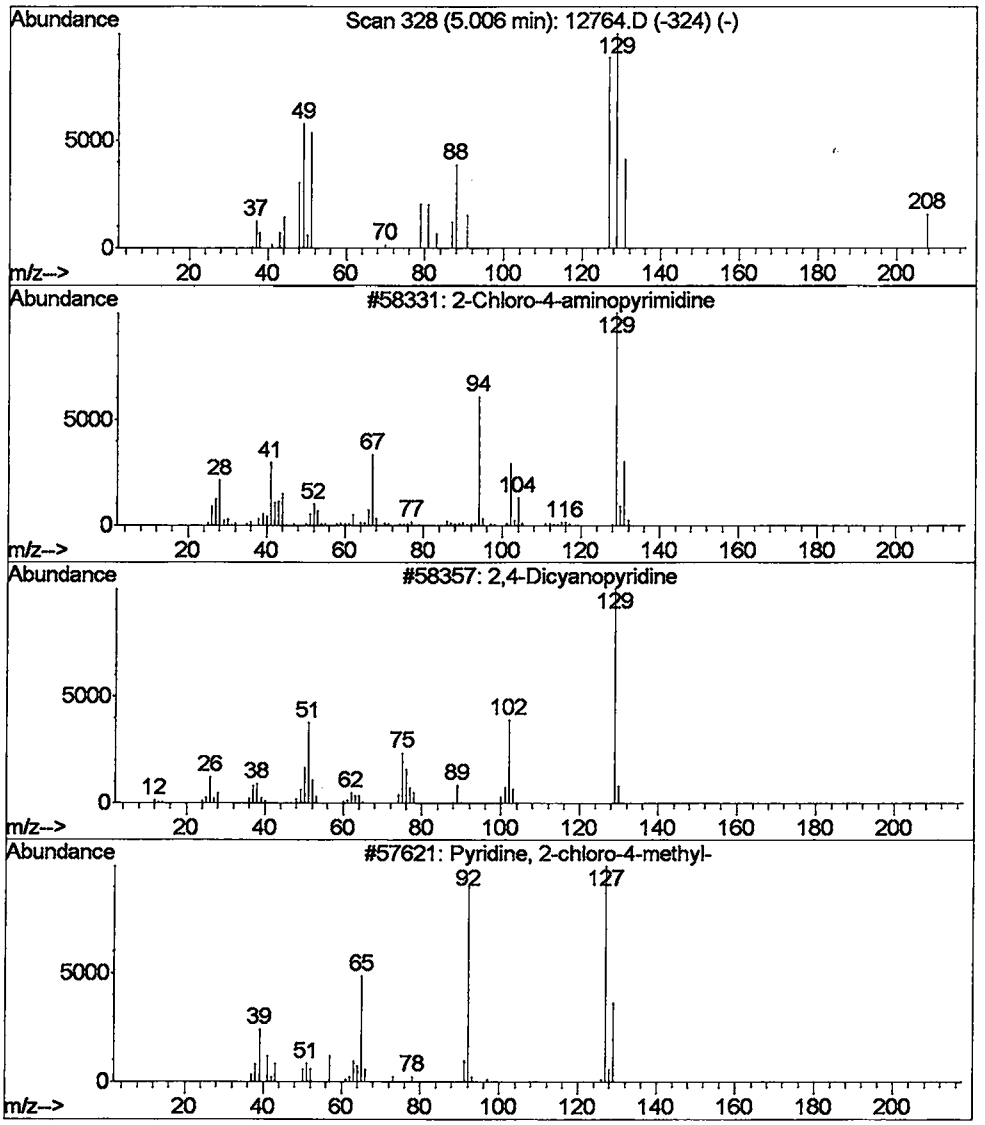
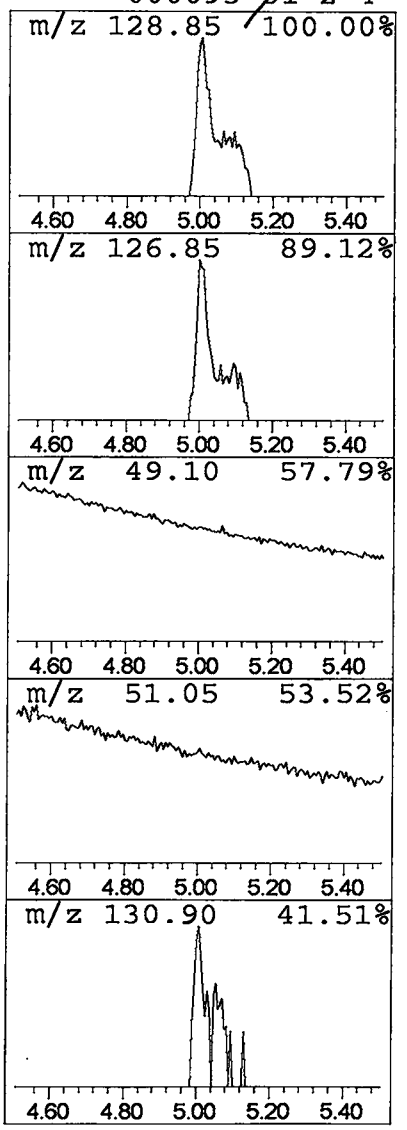
Peak Number 13 2-Chloro-4-aminopyrimidine Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.00	1.40 ug/L	835092	1,4-dichlorobenzene-d4	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Chloro-4-aminopyrimidine	129	C4H4ClN3	007461-50-9	9
2	2,4-Dicyanopyridine	129	C7H3N3	029181-50-8	4
3	Pyridine, 2-chloro-4-methyl-	127	C6H6ClN	003678-62-4	4
4	o-Chloroaniline	127	C6H6ClN	000095-51-2	4





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Peak Number 14 4H-1,2,4-Triazol-4-amine Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.26	0.26 ug/L	154273	1,4-dichlorobenzene-d4	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-1,2,4-Triazol-4-amine	84	C2H4N4	000584-13-4	10
2	4H-1,2,4-Triazol-4-amine	84	C2H4N4	000584-13-4	9
3	Thiophene	84	C4H4S	000110-02-1	5
4	Dicyandiamide	84	C2H4N4	000461-58-5	5