NYC 9/11 Public Portal Document

User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 06/12/2002 Time: 08:57:08

Sample: AE12763
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 6/12/02 08:53 Ended: 6/12/02 08:53 Analyst: DLV
Page: 1

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

NYC 9/11 Public Portal Document

Comments for Sample AE12763 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 06-12-2002 Time: 08:58:55

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.

NYC 9/11 Public Portal Document

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\060602\12763.D Vial: 9
Acq On : 6 Jun 2002 5:49 pm Operator: McLean
Sample : 6/3 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: Jun 07 08:20:17 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	9.90	152	5732011	40.00	ug/L	0.00
10) Napthalene-d8	13.39	136	22873412	40.00	ug/L	0.00
17) Acenapthalene-d10	18.53	164	12560330	40.00	ug/L	0.00
29) Phenanthranene-d10	22.91	188	19263488	40.00	ug/L	0.00
37) Chrysene-d12	30.76	240	13353964	40.00	ug/L	0.00
43) Perylene-d12	34.65	264	6764190	40.00	ug/L	0.00
System Monitoring Compounds						
27) TCMX	20.50	209	2687926	29.83	ug/L	0.00
Spiked Amount 40.000			Recovery =	74.57%		
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	20.10	149	20484	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	43635	N.D.		
30) Nnitrosodiphenylamine	20.50	169	49104	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	101288	Below Cal #		92

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

NYC-WTC_000015779

NYC 9/11 Public Portal Document

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\060602\12763.D Vial: 9
Acq On : 6 Jun 2002 5:49 pm Operator: McLean
Sample : 6/3 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: Jun 07 08:20:17 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

	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	29.47	149	22497	7.97 ug/L #	67
40)	Benzo(a)anthracene	30.76	228	32844	N.D.	
41)	Bis(2-ethylhexyl)phthalate	31.33	149	49030	9.37 ug/L	95
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

NYC-WTC_000015780

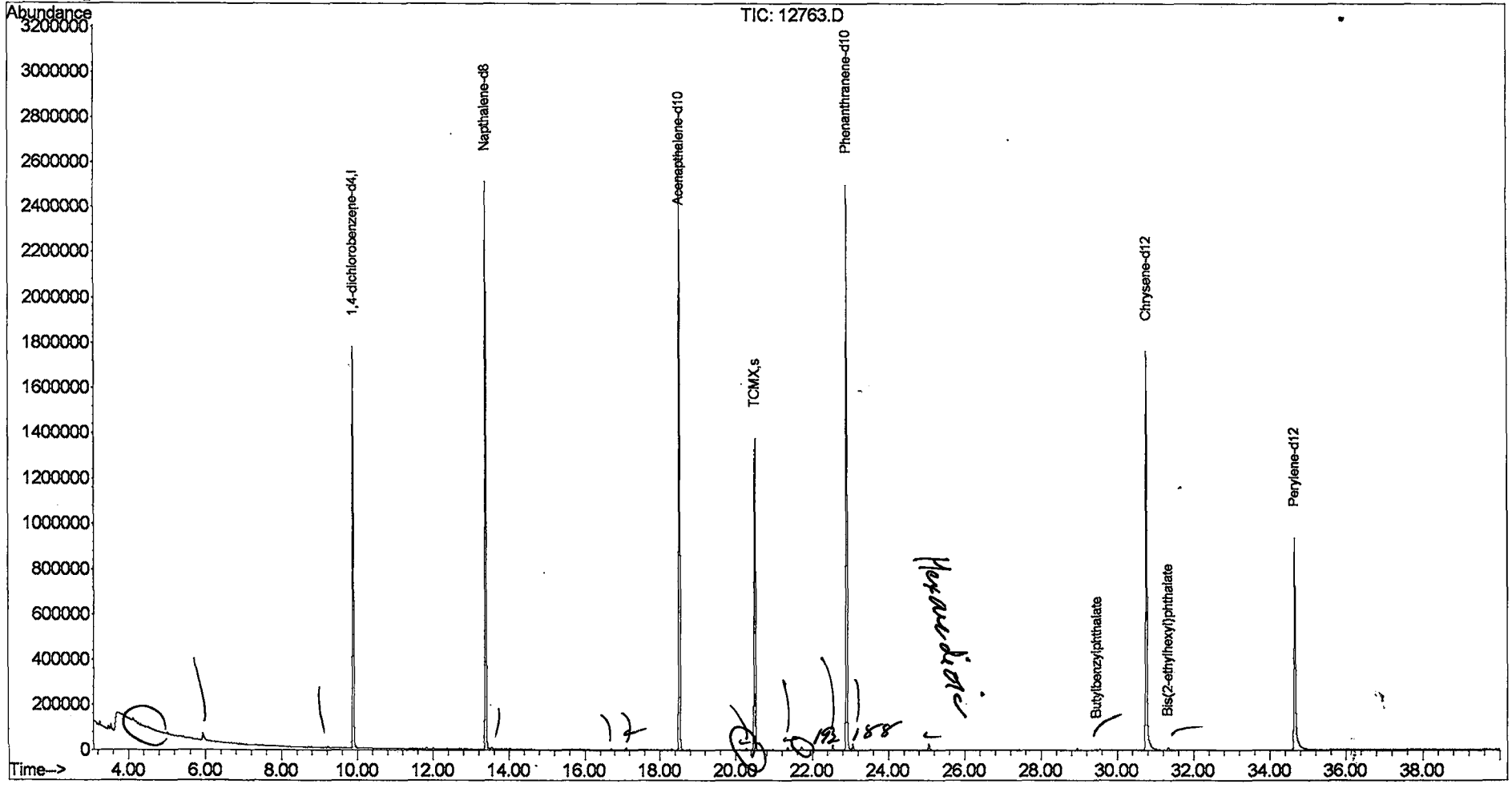
NYC-WTC_000015781

NYC 9/11 Public Portal Document

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\060602\12763.D Vial: 9
Acq On : 6 Jun 2002 5:49 pm Operator: McLean
Sample : 6/3 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: Jun 10 10:28 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



NYC 9/11 Public Portal Document

LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\060602\12763.D Vial: 9
Acq On : 6 Jun 2002 5:49 pm Operator: McLean
Sample : 6/3 eh 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	3.249	24	29	47	PV 4	15820	307639	0.59%	0.099%
2	3.479	65	68	75	PV 3	15526	285974	0.55%	0.092%
3	3.543	75	79	92	VV 3	24246	492155	0.95%	0.158%
4	3.714	92	108	112	PV 5	80647	3582305	6.89%	1.151%
5	3.749	112	114	126	VV 5	79011	3828892	7.36%	1.230%
6	3.831	126	128	141	VV 2	73133	3602616	6.93%	1.157%
7	3.919	141	143	145	VV 2	65493	963223	1.85%	0.309%
8	3.943	145	147	150	VV 4	64656	1025195	1.97%	0.329%
9	3.972	150	152	166	VV 4	62844	3228651	6.21%	1.037%
10	4.066	166	168	174	VV 5	55000	1621205	3.12%	0.521%
11	4.119	174	177	184	VV 5	61883	1893469	3.64%	0.608%
12	4.248	196	199	220	VV 6	45818	3499922	6.73%	1.124%
13	4.460	233	235	244	VV 2	35730	1209770	2.33%	0.389%
14	4.530	244	247	251	VV 5	36520	871546	1.68%	0.280%
15	4.965	318	321	326	VV 5	16799	429258	0.83%	0.138%
16	5.030	326	332	342	VV 9	19924	831538	1.60%	0.267%
17	5.171	355	356	375	VV 5	11009	650919	1.25%	0.209%
18	5.329	380	383	385	VV 3	8755	151574	0.29%	0.049%
19	5.353	385	387	390	VV 4	8875	137973	0.27%	0.044%
20	5.559	417	422	425	VV 7	6162	142836	0.27%	0.046%
21	5.600	425	429	435	VV 6	7652	196567	0.38%	0.063%
22	5.799	462	463	467	VV 3	4678	51912	0.10%	0.017%
23	5.864	472	474	477	VV 4	3064	31930	0.06%	0.010%
24	5.941	477	487	513	PV	36859	1218834	2.34%	0.392%
25	6.399	563	565	568	VV 2	2678	27912	0.05%	0.009%
26	6.522	584	586	590	PV 3	2169	22179	0.04%	0.007%
27	6.604	598	600	603	VV 3	2730	31171	0.06%	0.010%
28	6.904	644	651	654	PV 7	2430	53539	0.10%	0.017%
29	7.063	673	678	685	PV 6	2056	35804	0.07%	0.012%
30	7.791	800	802	803	PV 2	1815	10912	0.02%	0.004%
31	8.708	952	958	964	VV 6	2860	65417	0.13%	0.021%
32	8.784	964	971	977	PV 5	2854	68155	0.13%	0.022%
33	9.219	1039	1045	1055	PV 2	6097	97540	0.19%	0.031%
34	9.660	1116	1120	1124	VV 6	1634	27353	0.05%	0.009%
35	9.895	1149	1160	1176	PV	1749335	34187023	65.75%	10.982%
36	10.001	1176	1178	1181	VV 3	2290	29469	0.06%	0.009%
37	10.241	1212	1219	1227	VV 7	2128	58843	0.11%	0.019%

NYC-WTC_000015782

NYC 9/11 Public Portal Document

38	11.828	1484	1489	1498	PV	7	7613	129749	0.25%	0.042%
39	11.998	1510	1518	1523	PV	2	3889	76611	0.15%	0.025%
40	12.368	1576	1581	1587	VV	4	3330	55134	0.11%	0.018%
41	12.686	1630	1635	1650	VV	3	2803	62052	0.12%	0.020%
42	12.850	1657	1663	1664	VV	4	2293	34377	0.07%	0.011%
43	12.868	1664	1666	1674	VV	5	2737	45127	0.09%	0.014%
44	13.156	1709	1715	1722	PV	4	2381	53363	0.10%	0.017%
45	13.391	1738	1755	1774	VV		2490114	46250861	88.95%	14.858%
46	13.544	1774	1781	1787	VV		8898	172590	0.33%	0.055%
47	14.002	1851	1859	1870	VV	3	3319	81144	0.16%	0.026%
48	14.219	1892	1896	1901	PV	3	2255	41801	0.08%	0.013%
49	14.572	1951	1956	1970	PV	4	1711	29316	0.06%	0.009%
50	15.653	2136	2140	2146	PV	2	2426	41985	0.08%	0.013%
51	15.864	2171	2176	2183	VV	4	3046	53907	0.10%	0.017%
52	16.705	2313	2319	2323	PV	3	3503	49606	0.10%	0.016%
53	17.110	2383	2388	2394	VV	2	9701	142919	0.27%	0.046%
54	17.621	2470	2475	2481	VV	4	4117	61844	0.12%	0.020%
55	18.309	2587	2592	2603	VV	5	3832	78896	0.15%	0.025%
56	18.526	2619	2629	2640	VV		2634822	51453893	98.95%	16.529%
57	18.596	2640	2641	2657	VV	8	2540	71265	0.14%	0.023%
58	19.143	2730	2734	2737	PV	3	1878	26973	0.05%	0.009%
59	20.101	2883	2897	2907	PV	4	3913	96450	0.19%	0.031%
60	20.283	2921	2928	2942	VV	2	7442	139049	0.27%	0.045%
61	20.500	2952	2965	2979	PV		1353841	26181583	50.35%	8.411%
62	20.953	3035	3042	3049	VV	6	1921	55925	0.11%	0.018%
63	21.352	3103	3110	3120	VV	2	13214	219845	0.42%	0.071%
64	21.716	3162	3172	3177	VV	2	12052	238952	0.46%	0.077%
65	21.758	3177	3179	3186	VV	5	3243	53509	0.10%	0.017%
66	22.533	3305	3311	3321	VV	2	22443	417625	0.80%	0.134%
67	22.909	3351	3375	3395	PV	2	2469638	51997881	100.00%	16.704%
68	23.062	3395	3401	3411	VV		24204	503637	0.97%	0.162%
69	25.060	3732	3741	3749	PV	4	25876	534838	1.03%	0.172%
70	25.113	3749	3750	3755	VV	2	1650	18338	0.04%	0.006%
71	26.593	3994	4002	4009	PV	4	1944	39382	0.08%	0.013%
72	27.427	4139	4144	4157	PB	9	4186	95904	0.18%	0.031%
73	28.949	4393	4403	4410	PV	4	7105	134273	0.26%	0.043%
74	29.466	4485	4491	4504	PV	6	3625	87811	0.17%	0.028%
75	29.930	4565	4570	4582	VV	5	1891	56154	0.11%	0.018%
76	30.759	4700	4711	4759	VV	2	1744807	41227528	79.29%	13.244%
77	31.053	4759	4761	4767	VV	5	3936	73059	0.14%	0.023%
78	31.329	4797	4808	4820	PV	3	10771	287417	0.55%	0.092%
79	31.411	4820	4822	4829	VV	4	1682	27621	0.05%	0.009%
80	34.654	5362	5374	5430	BV	2	931260	24718605	47.54%	7.941%
81	34.989	5430	5431	5436	VV	3	2700	43517	0.08%	0.014%
82	35.030	5436	5438	5445	VV	5	2330	45220	0.09%	0.015%
83	35.083	5445	5447	5449	VV	3	1673	15109	0.03%	0.005%

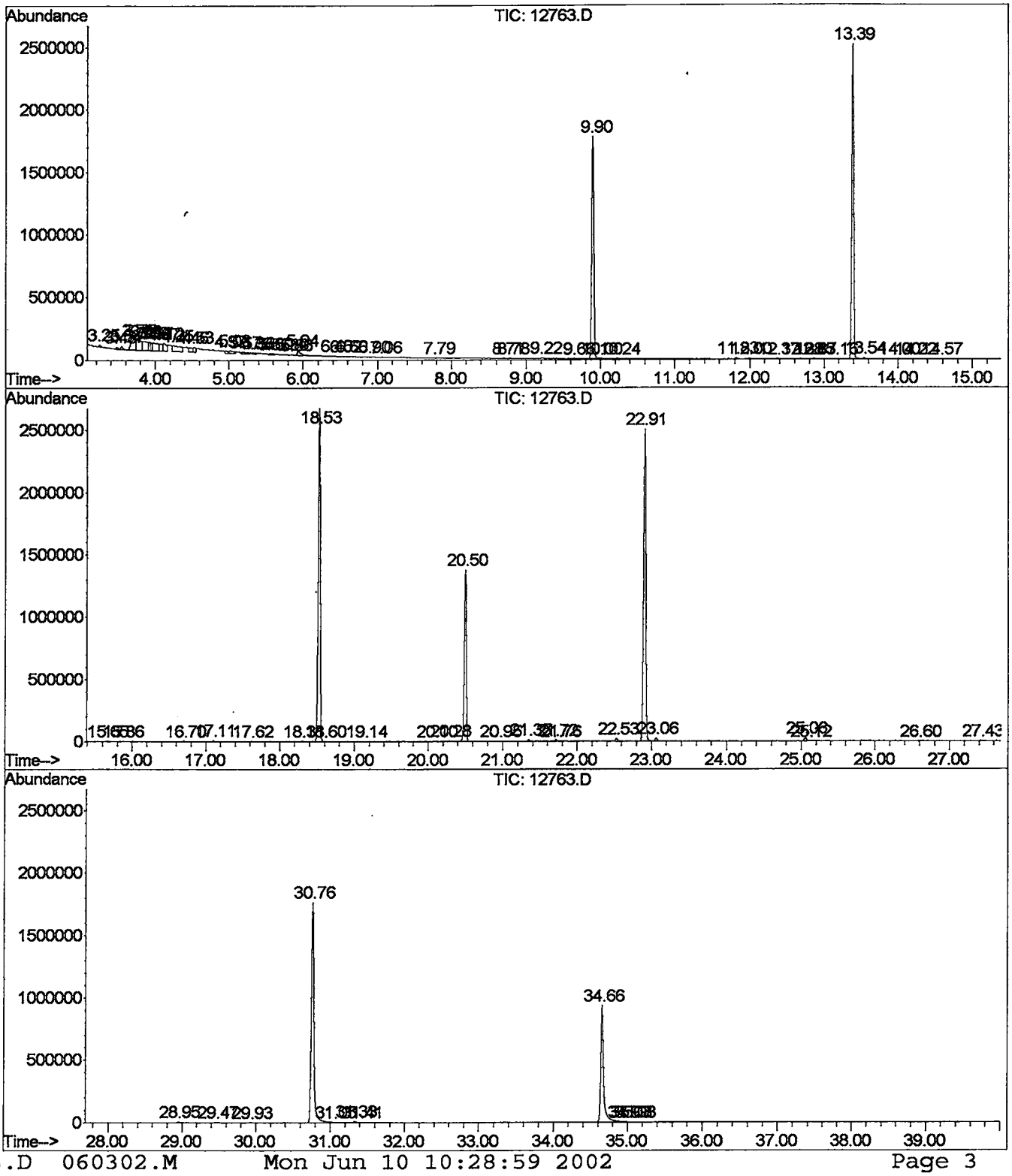
Sum of corrected areas: 311293866

NYC-WTC_000015783

NYC 9/11 Public Portal Document

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\060602\12763.D
Operator : McLean
Acquired : 6 Jun 2002 5:49 pm using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: 6/3 eh
Misc Info :
Vial Number: 9
Quant File :060302.RES (Chemstation Integrator)



NYC-WTC_000015784

NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\060602\12763.D Vial: 9
Acq On : 6 Jun 2002 5:49 pm Operator: McLean
Sample : 6/3 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

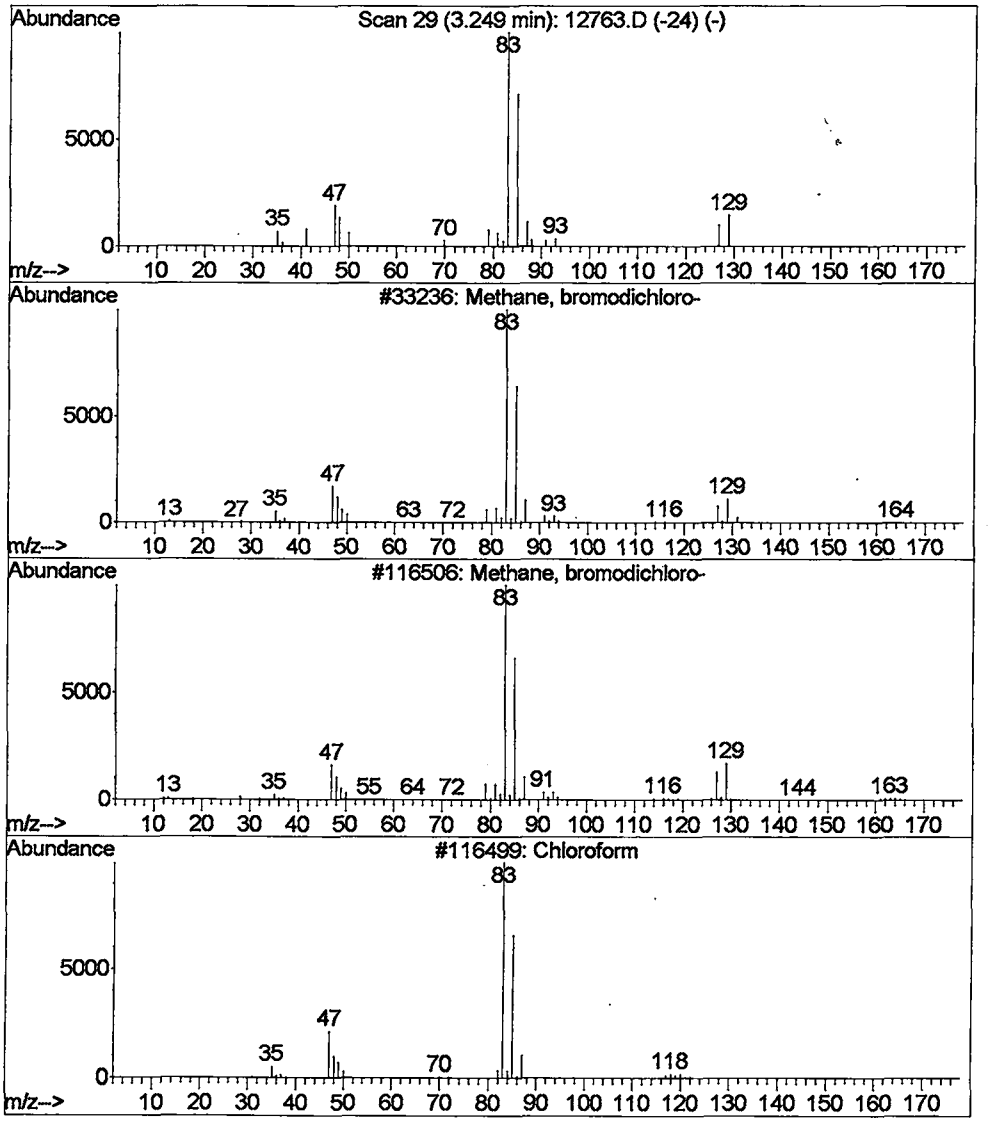
Quant Method : C:\MSDCHEM\1\METHODS\060302.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

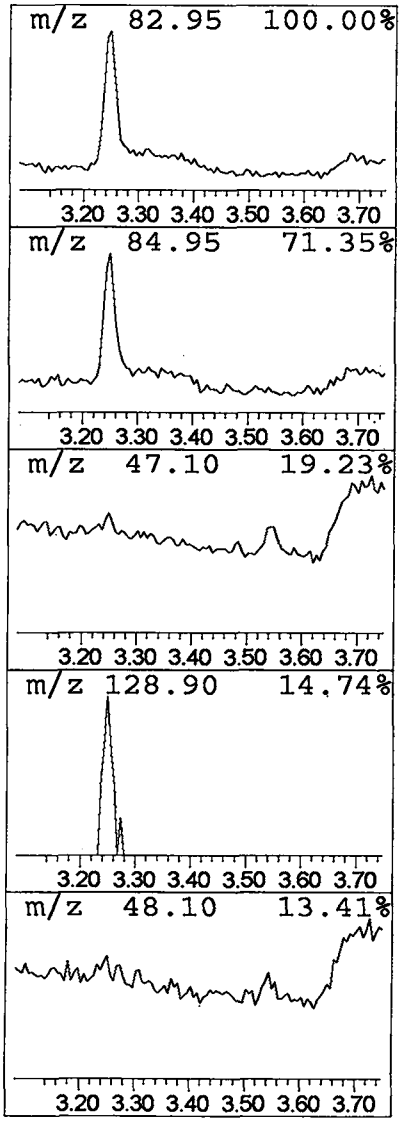
****

Peak Number 1 Methane, bromodichloro- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.25	0.36 ug/L	307639	1,4-dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methane, bromodichloro-	162	CHBrCl2	000075-27-4	83
2	Methane, bromodichloro-	162	CHBrCl2	000075-27-4	78
3	Chloroform	118	CHCl3	000067-66-3	72
4	Chloroform	118	CHCl3	000067-66-3	72





NYC-WTC_000015785

NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\060602\12763.D
Acq On : 6 Jun 2002 5:49 pm
Sample : 6/3 eh
Misc :
MS Integration Params: LSCINT.e

Vial: 9
Operator: McLean
Inst : Instrumen
Multiplr: 1.00

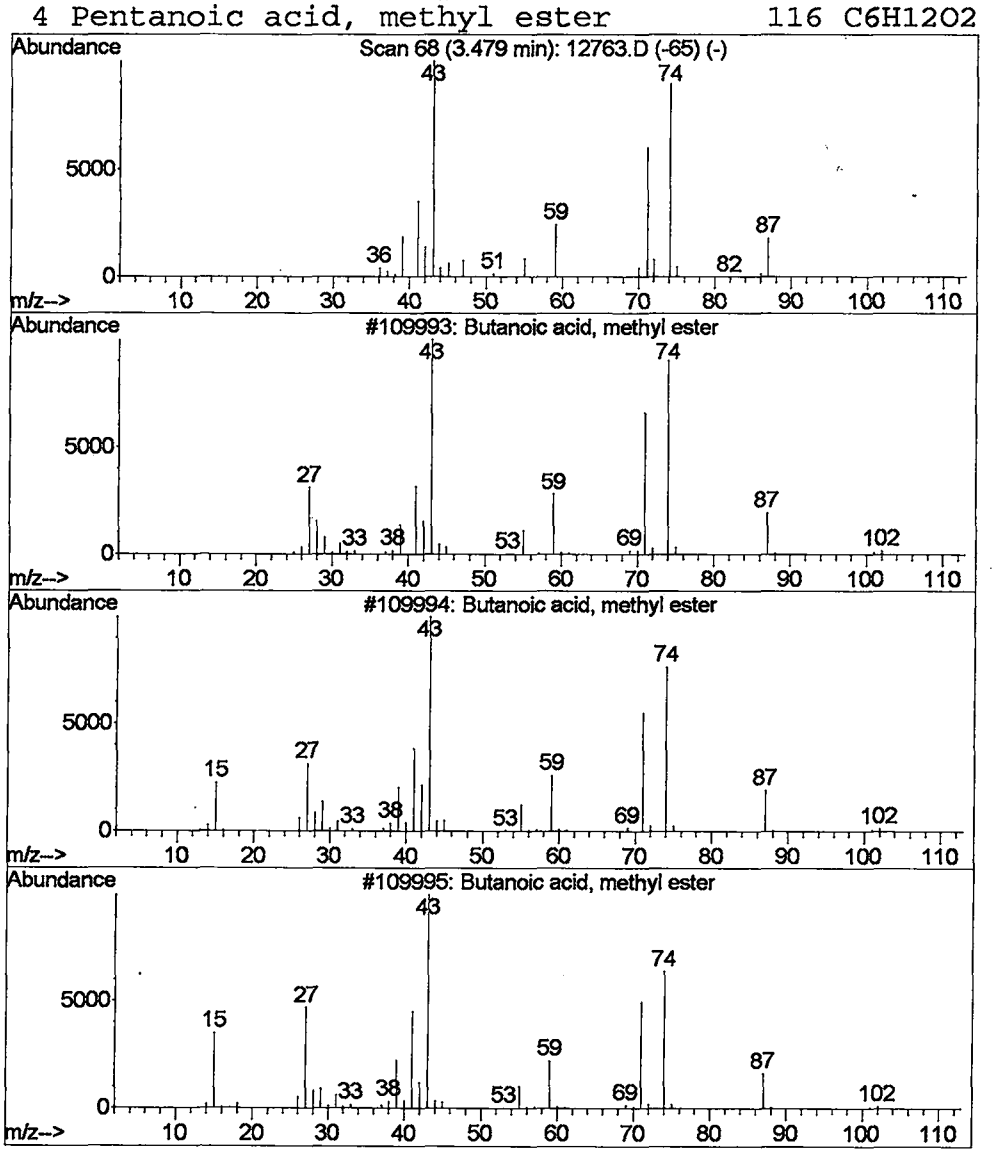
Quant Method : C:\MSDCHEM\1\METHODS\060302.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

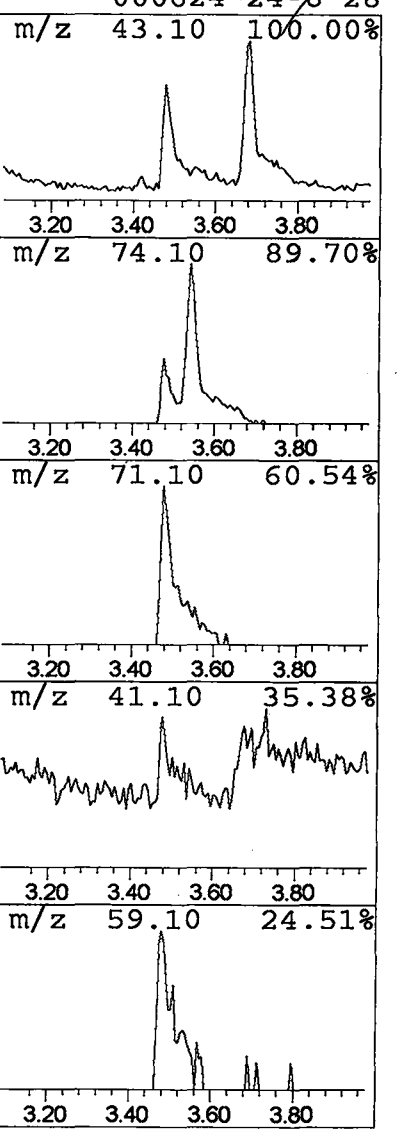
****

Peak Number 2 Butanoic acid, methyl ester Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.48	0.33 ug/L	285974	1,4-dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, methyl ester	102	C5H10O2	000623-42-7	78
2	Butanoic acid, methyl ester	102	C5H10O2	000623-42-7	72
3	Butanoic acid, methyl ester	102	C5H10O2	000623-42-7	53
4	Pentanoic acid, methyl ester	116	C6H12O2	000624-24-8	28





NYC-WTC_000015786

NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\060602\12763.D Vial: 9
Acq On : 6 Jun 2002 5:49 pm Operator: McLean
Sample : 6/3 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

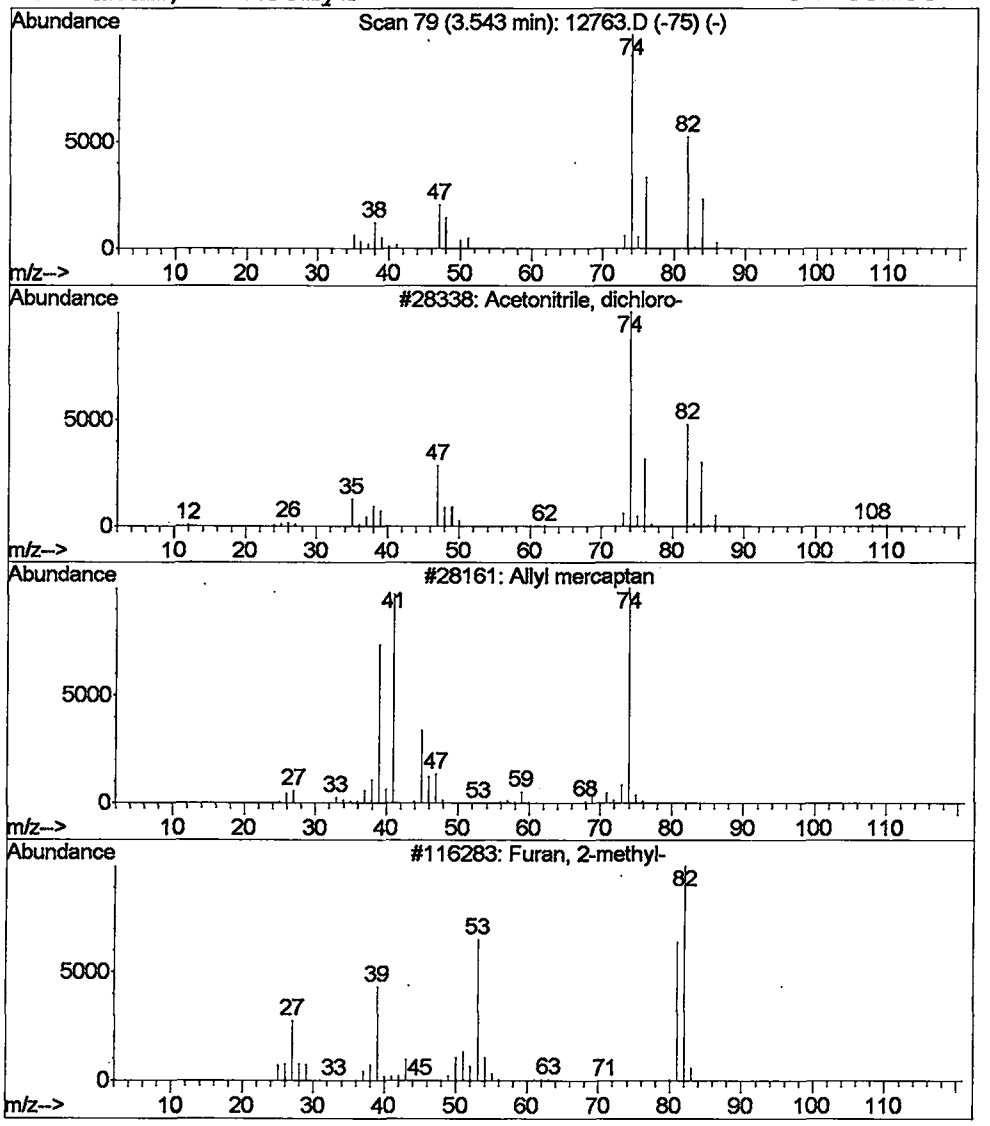
Quant Method : C:\MSDCHEM\1\METHODS\060302.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

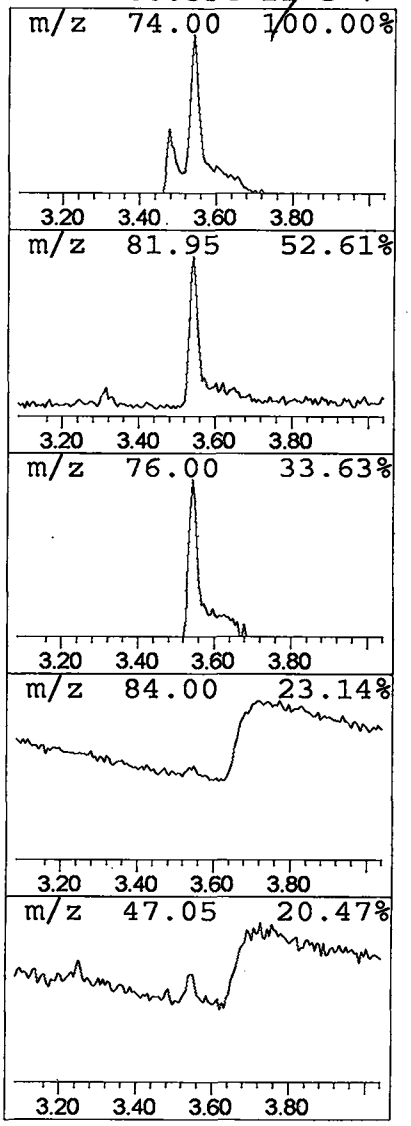
****

Peak Number 3 Acetonitrile, dichloro- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.54	0.58 ug/L	492155	1,4-dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	45
2	Allyl mercaptan	74	C3H6S	000870-23-5	9
3	Furan, 2-methyl-	82	C5H6O	000534-22-5	7
4	Furan, 2-methyl-	82	C5H6O	000534-22-5	7





NYC-WTC_000015787

NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\060602\12763.D Vial: 9
Acq On : 6 Jun 2002 5:49 pm Operator: McLean
Sample : 6/3 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

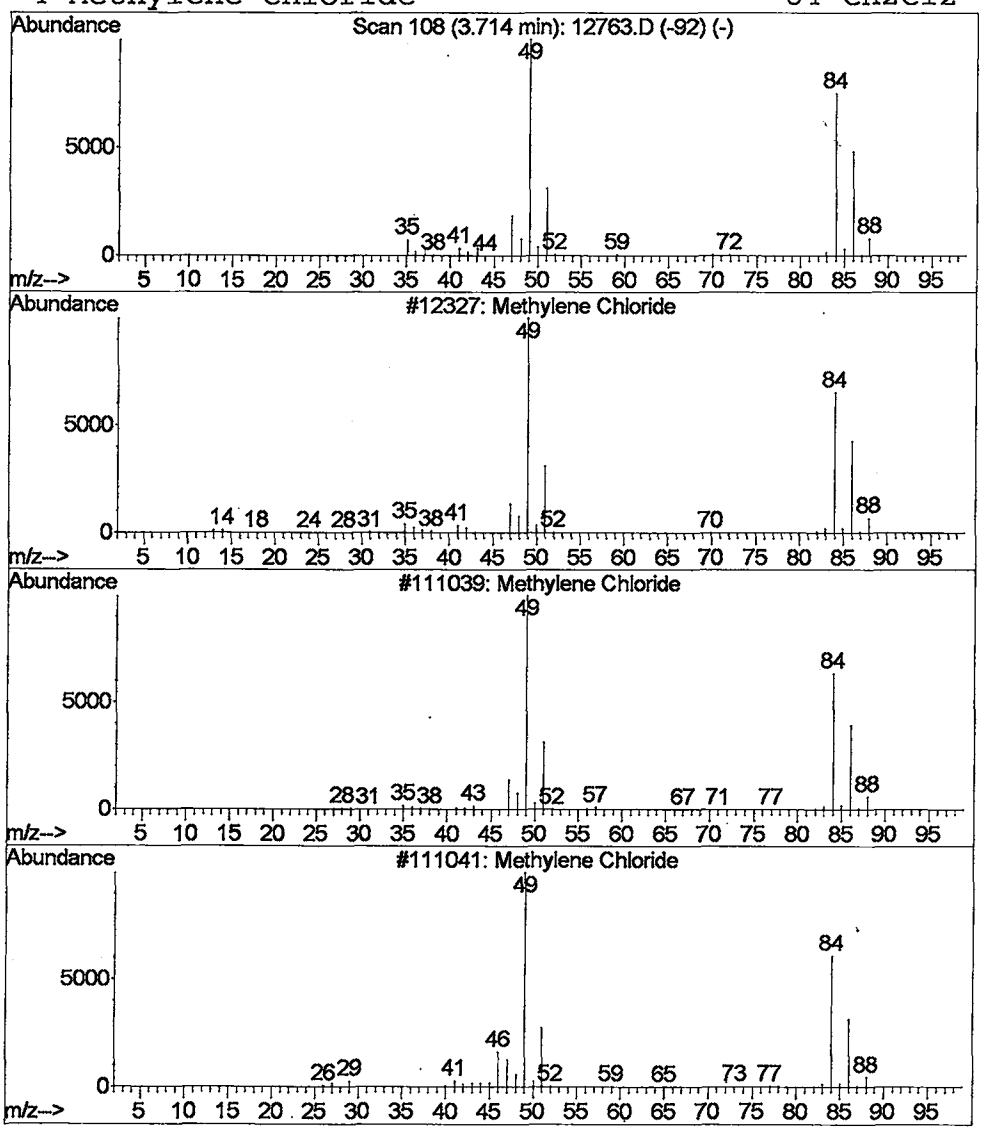
Quant Method : C:\MSDCHEM\1\METHODS\060302.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

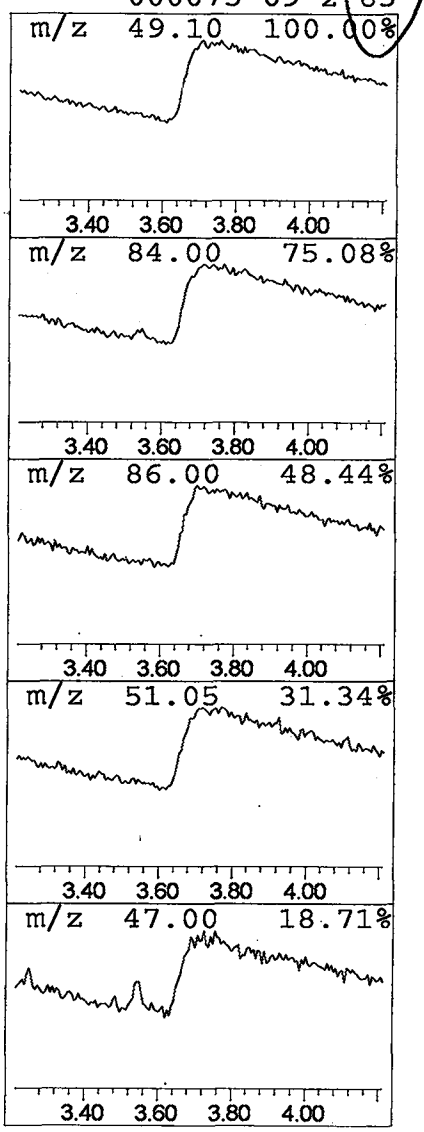
****

Peak Number 4 Methylene Chloride Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.71	4.19 ug/L	3582310	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	83





NYC-WTC_000015788

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\060602\12763.D Vial: 9
Acq On : 6 Jun 2002 5:49 pm Operator: McLean
Sample : 6/3 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

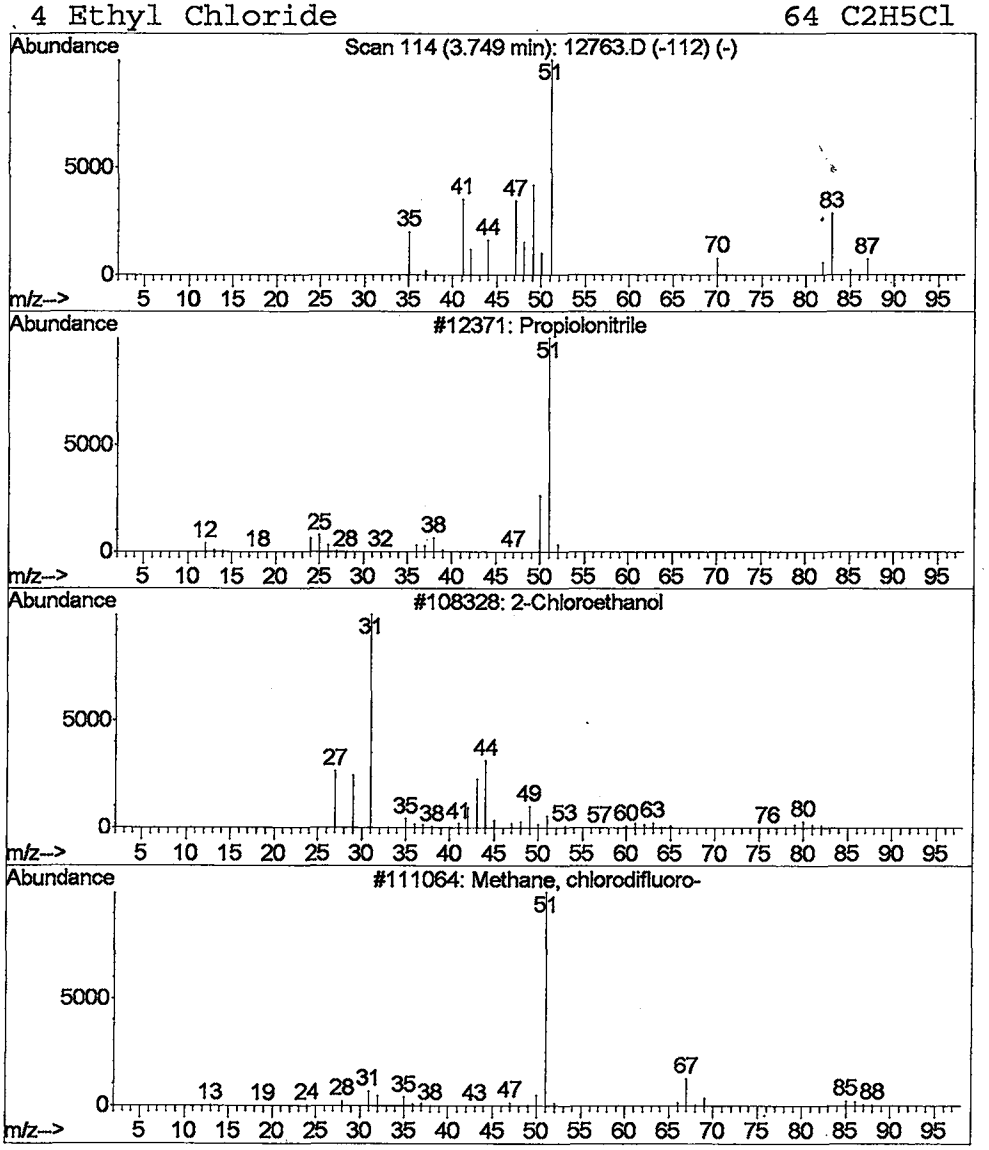
Quant Method : C:\MSDCHEM\1\METHODS\060302.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

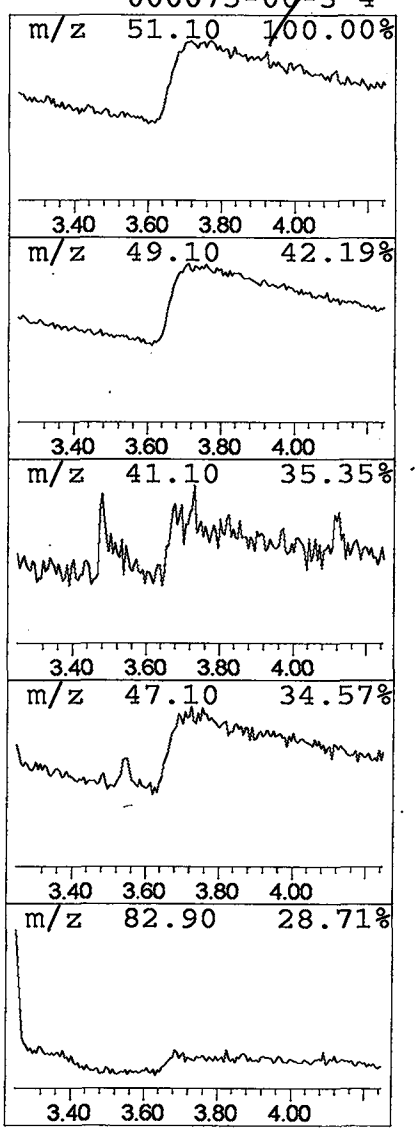
****

Peak Number 5 Propiolonitrile Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.75	4.48 ug/L	3828890	1,4-dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propiolonitrile	51	C3HN	001070-71-9	4
2	2-Chloroethanol	80	C2H5ClO	000107-07-3	4
3	Methane, chlorodifluoro-	86	CHClF2	000075-45-6	4
4	Ethyl Chloride	64	C2H5Cl	000075-00-3	4





NYC 9/11 Public Portal Document

Data File : C:\MSDCHEM\1\DATA\060602\12763.D Vial: 9
Acq On : 6 Jun 2002 5:49 pm Operator: McLean
Sample : 6/3 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

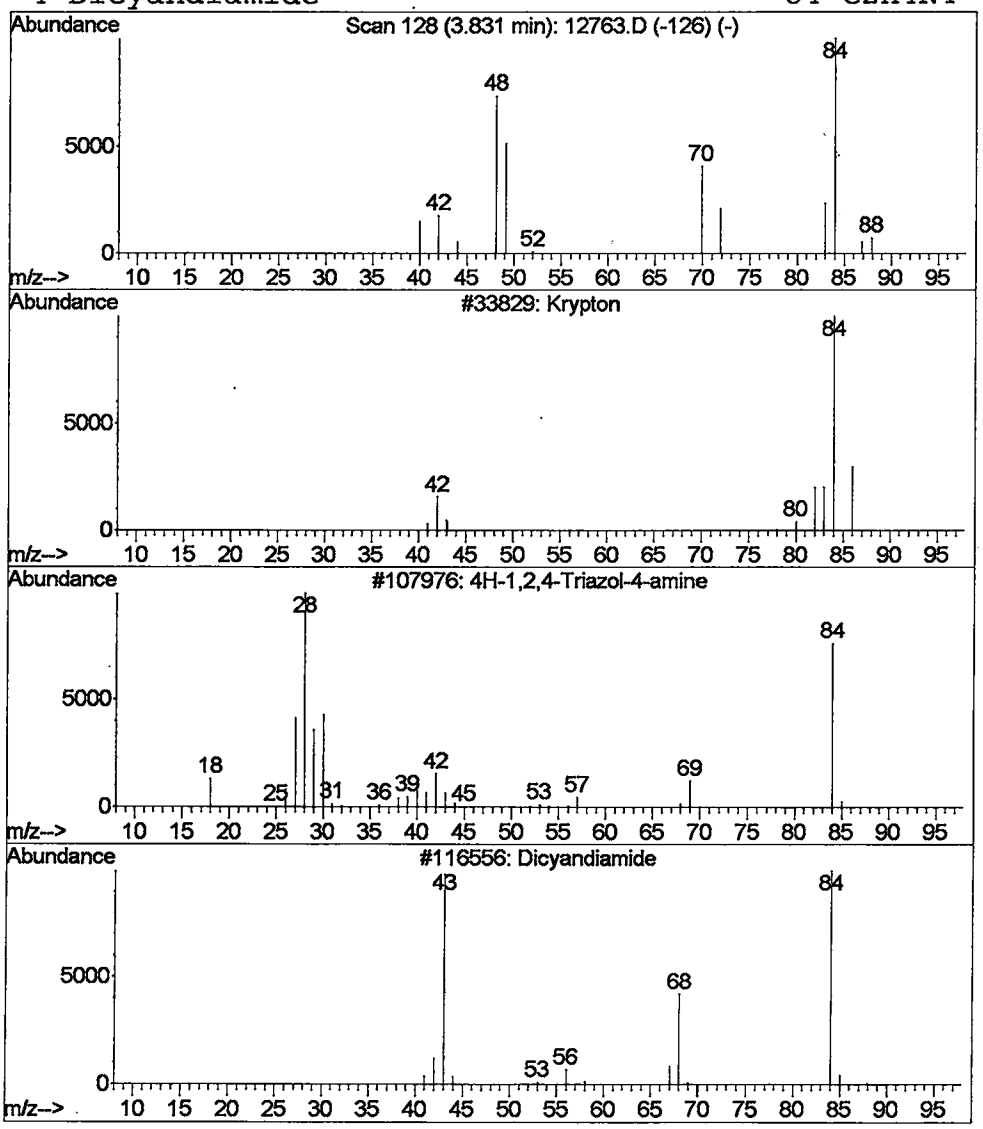
Quant Method : C:\MSDCHEM\1\METHODS\060302.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

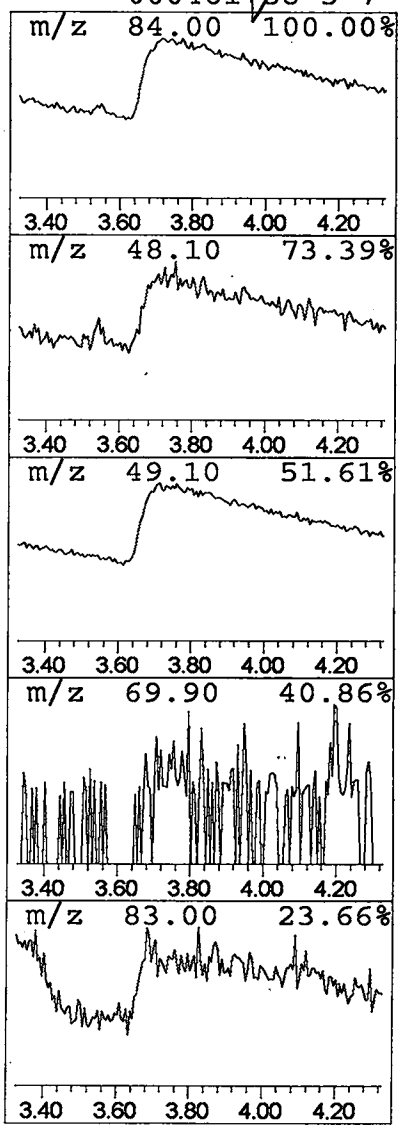
****

Peak Number 6 Krypton Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.83	4.22 ug/L	3602620	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	7
3	Dicyandiamide	84	C2H4N4	000461-58-5	7
4	Dicyandiamide	84	C2H4N4	000461-58-5	7





NYC-WTC_000015790

NYC 9/11 Public Portal Document

Data File : C:\MSDCHEM\1\DATA\060602\12763.D
Acq On : 6 Jun 2002 5:49 pm
Sample : 6/3 eh
Misc :
MS Integration Params: LSCINT.e

Vial: 9
Operator: McLean
Inst : Instrumen
Multiplr: 1.00

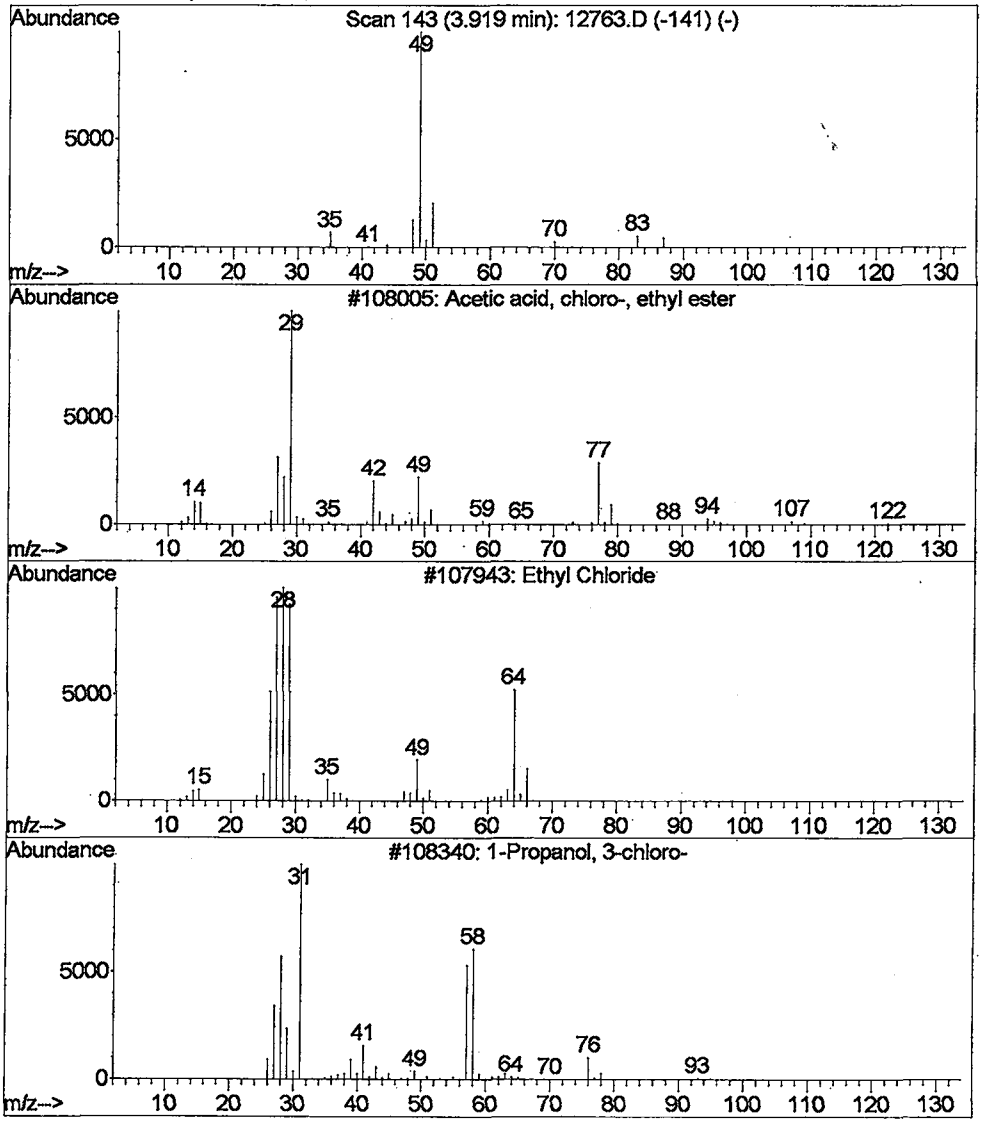
Quant Method : C:\MSDCHEM\1\METHODS\060302.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

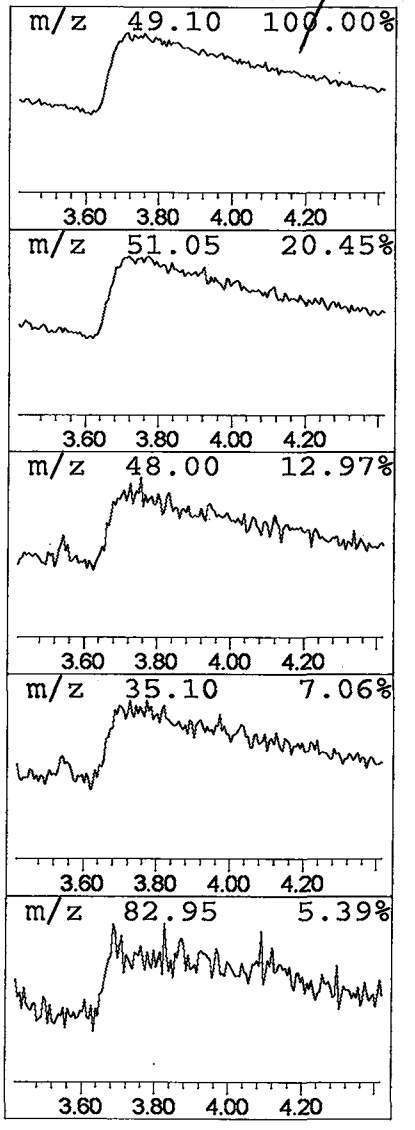
****

Peak Number 7 Acetic acid, chloro-, ethyl... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.92	1.13 ug/L	963223	1,4-dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, chloro-, ethyl ester	122	C4H7ClO2	000105-39-5	4
2	Ethyl Chloride	64	C2H5Cl	000075-00-3	1
3	1-Propanol, 3-chloro-	94	C3H7ClO	000627-30-5	1
4	Borane, trifluoro-	68	BF3	007637-07-2	1





NYC-WTC_000015791

NYC 9/11 Public Portal Document

Data File : C:\MSDCHEM\1\DATA\060602\12763.D Vial: 9
Acq On : 6 Jun 2002 5:49 pm Operator: McLean
Sample : 6/3 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

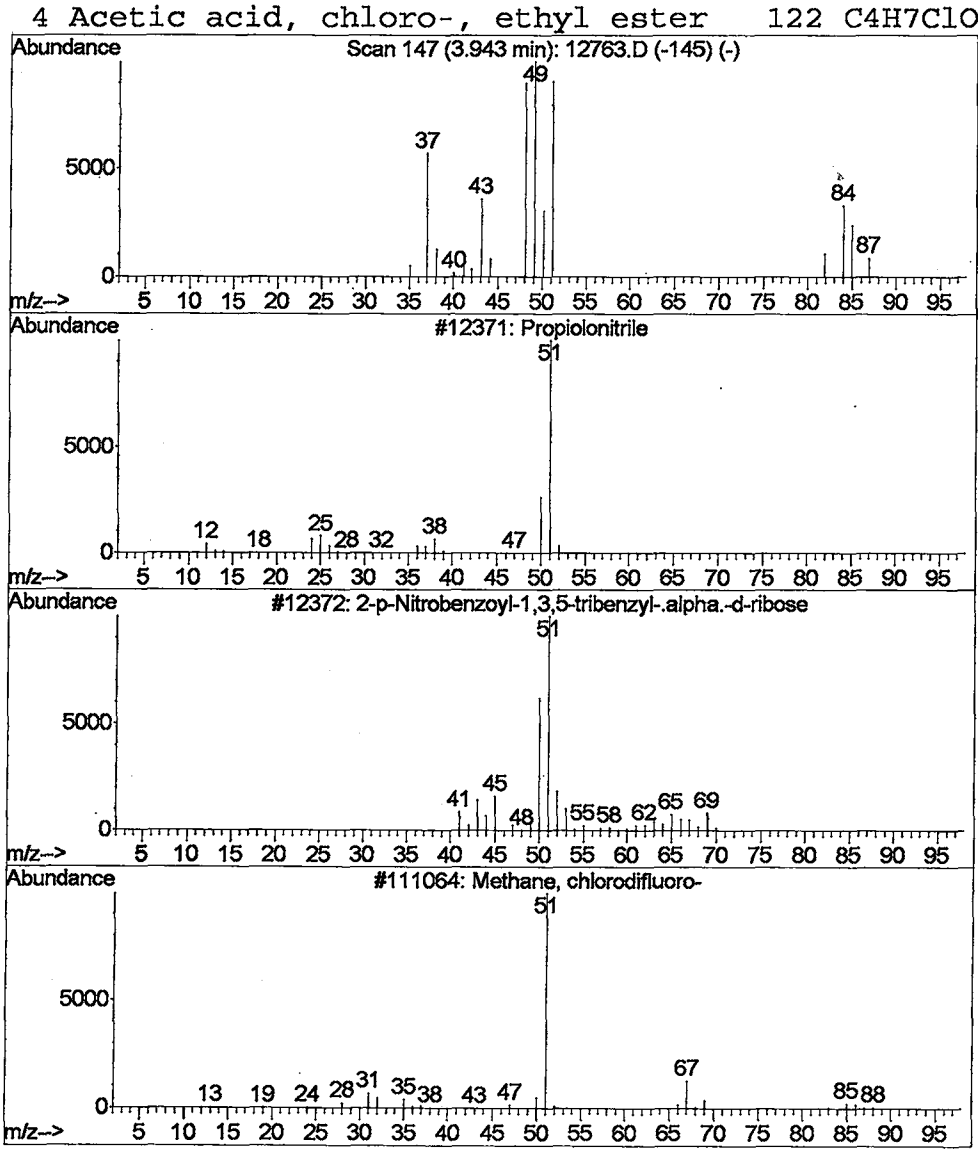
Quant Method : C:\MSDCHEM\1\METHODS\060302.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

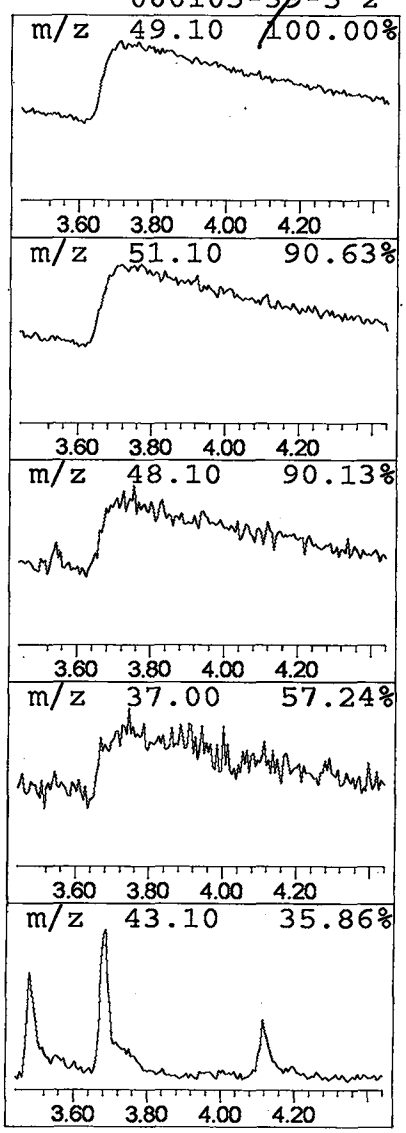
****

Peak Number 8 Propiolonitrile Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.94	1.20 ug/L	1025190	1,4-dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propiolonitrile	51	C3HN	001070-71-9	5
2	2-p-Nitrobenzoyl-1,3,5-tribenzyl...	569	C33H31NO8	1000129-85-6	2
3	Methane, chlorodifluoro-	86	CHClF2	000075-45-6	2
4	Acetic acid, chloro-, ethyl ester	122	C4H7ClO2	000105-39-5	2





NYC-WTC_000015792

NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\060602\12763.D
Acq On : 6 Jun 2002 5:49 pm
Sample : 6/3 eh
Misc :
MS Integration Params: LSCINT.e

Vial: 9
Operator: McLean
Inst : Instrumen
Multiplr: 1.00

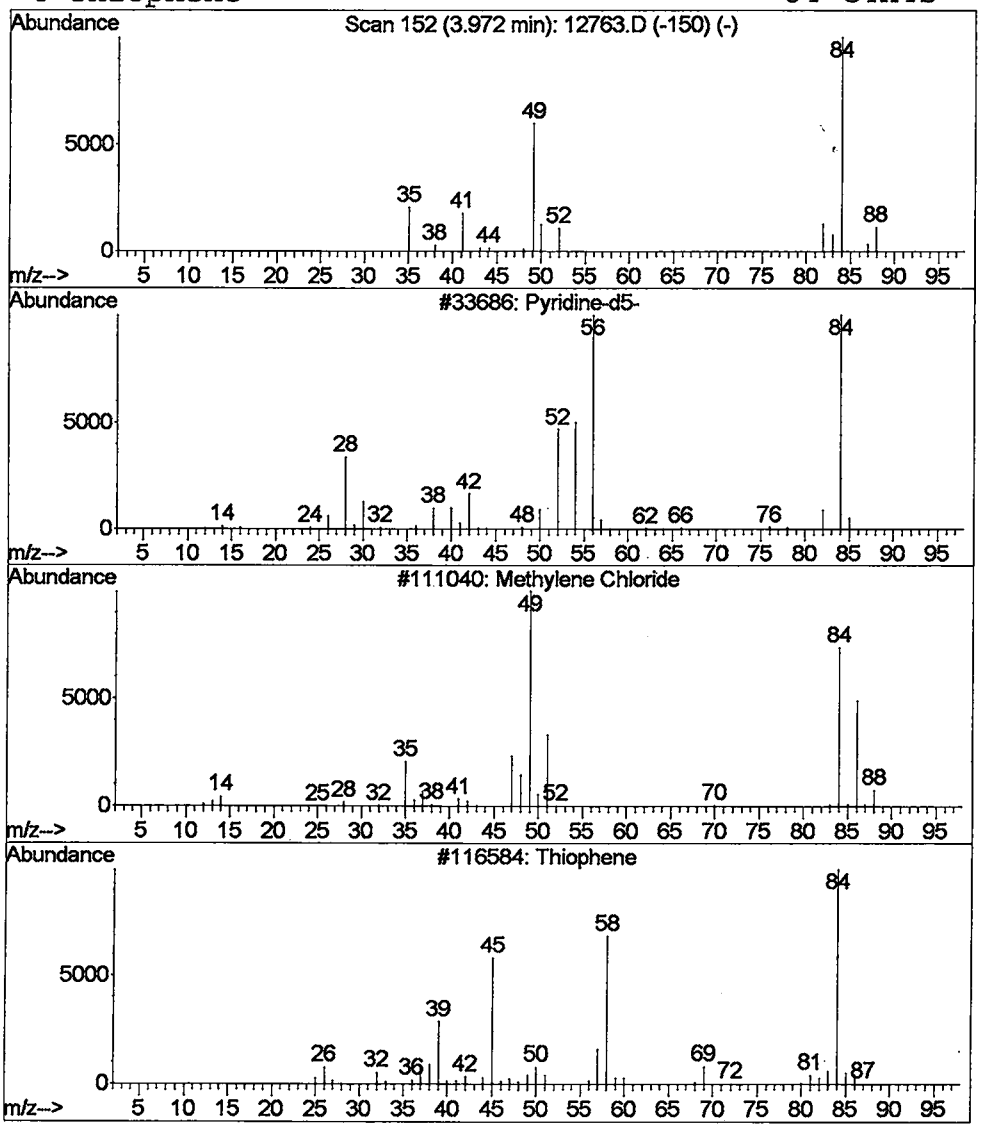
Quant Method : C:\MSDCHEM\1\METHODS\060302.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

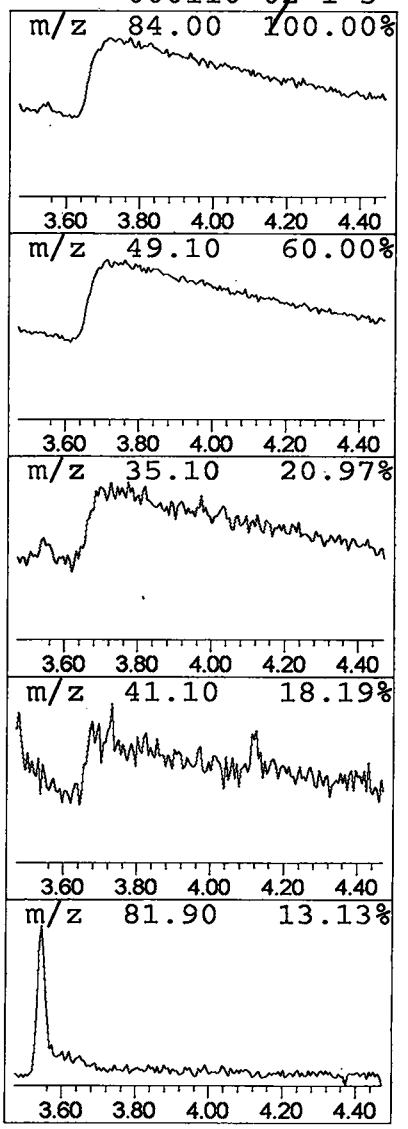
****

Peak Number 9 Pyridine-d5- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.97	3.78 ug/L	3228650	1,4-dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyridine-d5-	84	C5D5N	007291-22-7	9
2	Methylene Chloride	84	CH2Cl2	000075-09-2	9
3	Thiophene	84	C4H4S	000110-02-1	7
4	Thiophene	84	C4H4S	000110-02-1	5





NYC-WTC_000015793

NYC 9/11 Public Portal Document

Data File : C:\MSDCHEM\1\DATA\060602\12763.D Vial: 9
Acq On : 6 Jun 2002 5:49 pm Operator: McLean
Sample : 6/3 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

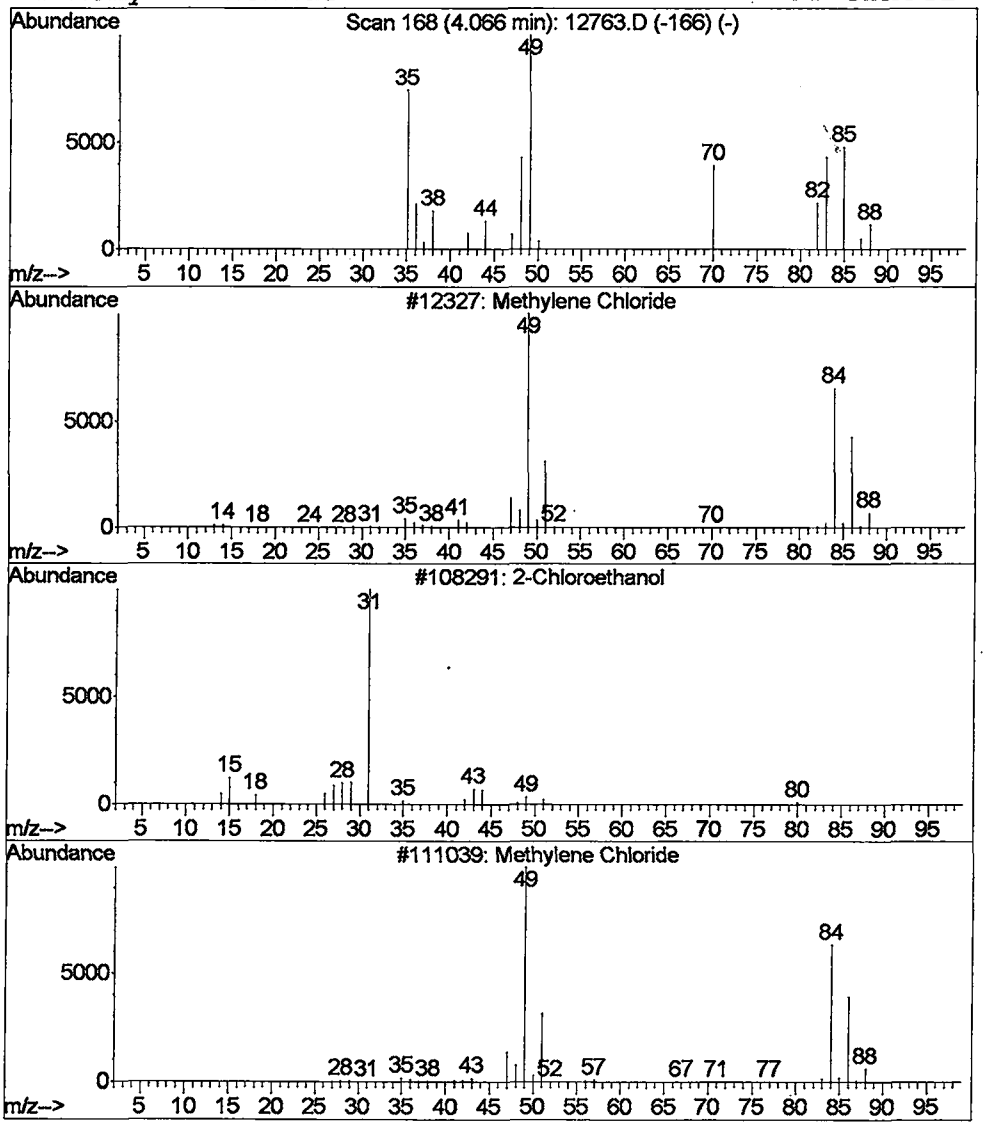
Quant Method : C:\MSDCHEM\1\METHODS\060302.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

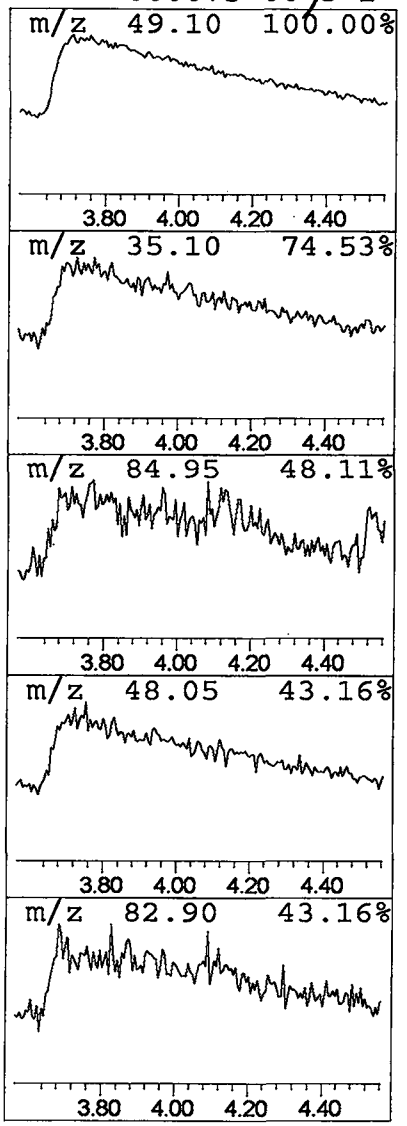
****

Peak Number 10 Methylene Chloride Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.07	1.90 ug/L	1621200	1,4-dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methylene Chloride	84	CH2Cl2	000075-09-2	2
2	2-Chloroethanol	80	C2H5ClO	000107-07-3	2
3	Methylene Chloride	84	CH2Cl2	000075-09-2	2
4	Ethyl Chloride	64	C2H5Cl	000075-00-3	2





NYC-WTC_000015794

NYC 9/11 Public Portal Document

Data File : C:\MSDCHEM\1\DATA\060602\12763.D
Acq On : 6 Jun 2002 5:49 pm
Sample : 6/3 eh
Misc :
MS Integration Params: LSCINT.e

Vial: 9
Operator: McLean
Inst : Instrumen
Multiplr: 1.00

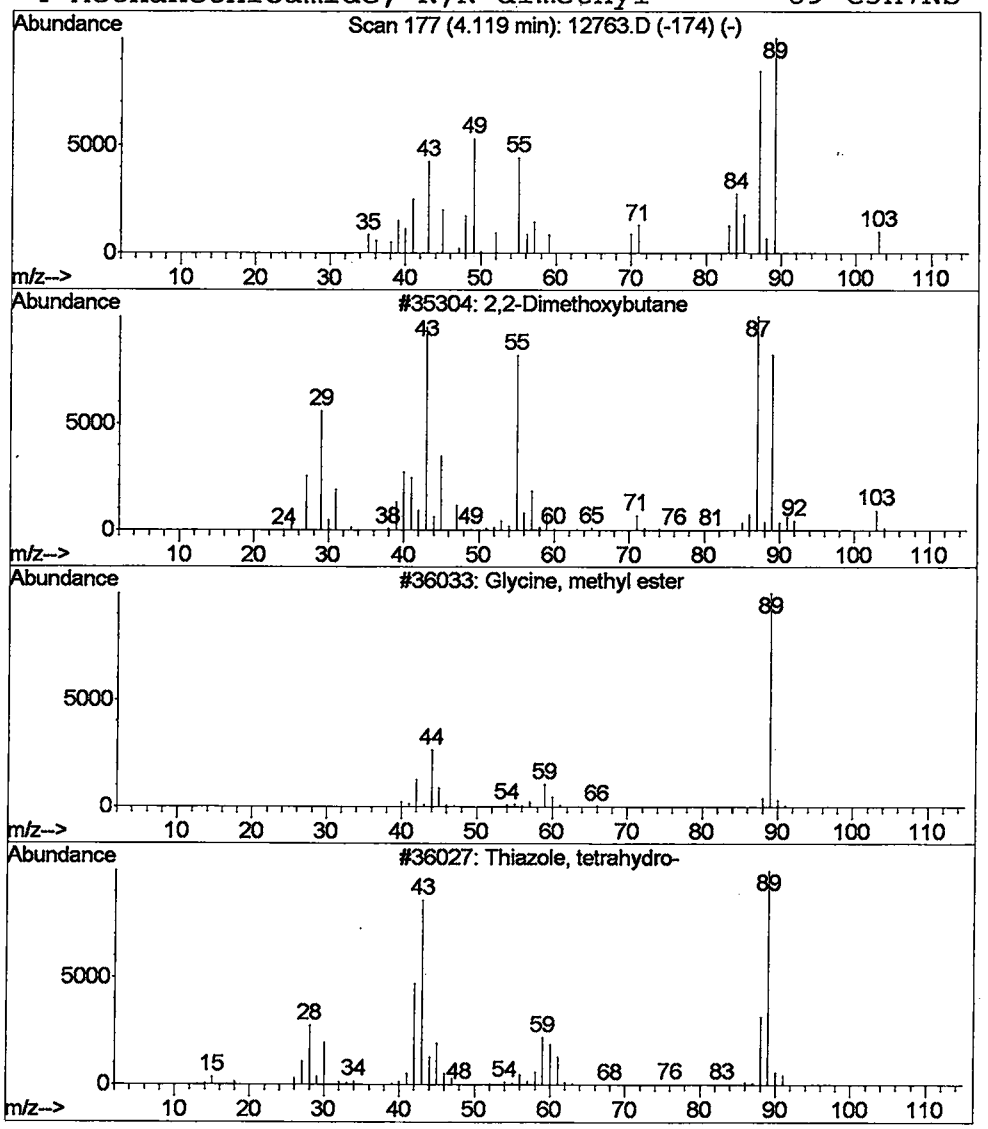
Quant Method : C:\MSDCHEM\1\METHODS\060302.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

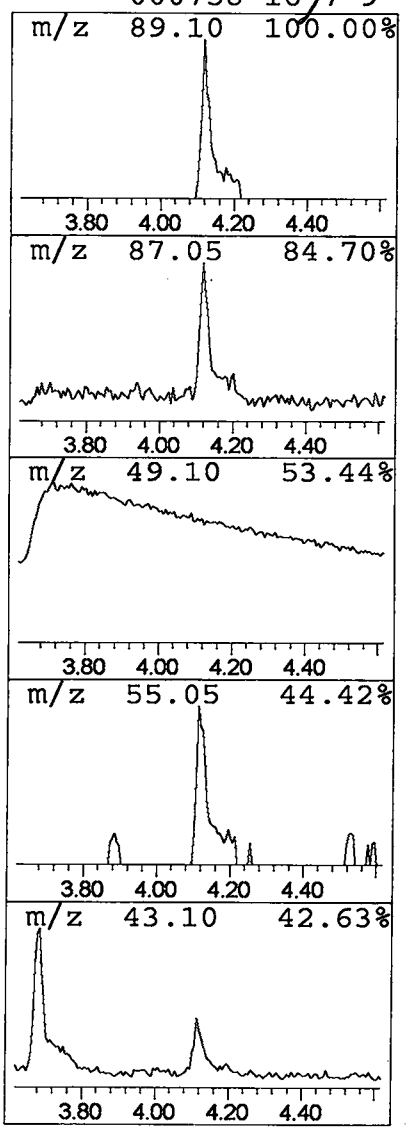
****

Peak Number 11 2,2-Dimethoxybutane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.12	2.22 ug/L	1893470	1,4-dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-Dimethoxybutane	118	C6H14O2	003453-99-4	33
2	Glycine, methyl ester	89	C3H7NO2	000616-34-2	9
3	Thiazole, tetrahydro-	89	C3H7NS	000504-78-9	9
4	Methanethioamide, N,N-dimethyl-	89	C3H7NS	000758-16-7	9





NYC-WTC_000015795

NYC 9/11 Public Portal Document

Data File : C:\MSDCHEM\1\DATA\060602\12763.D
Acq On : 6 Jun 2002 5:49 pm
Sample : 6/3 eh
Misc :
MS Integration Params: LSCINT.e

Vial: 9
Operator: McLean
Inst : Instrumen
Multiplr: 1.00

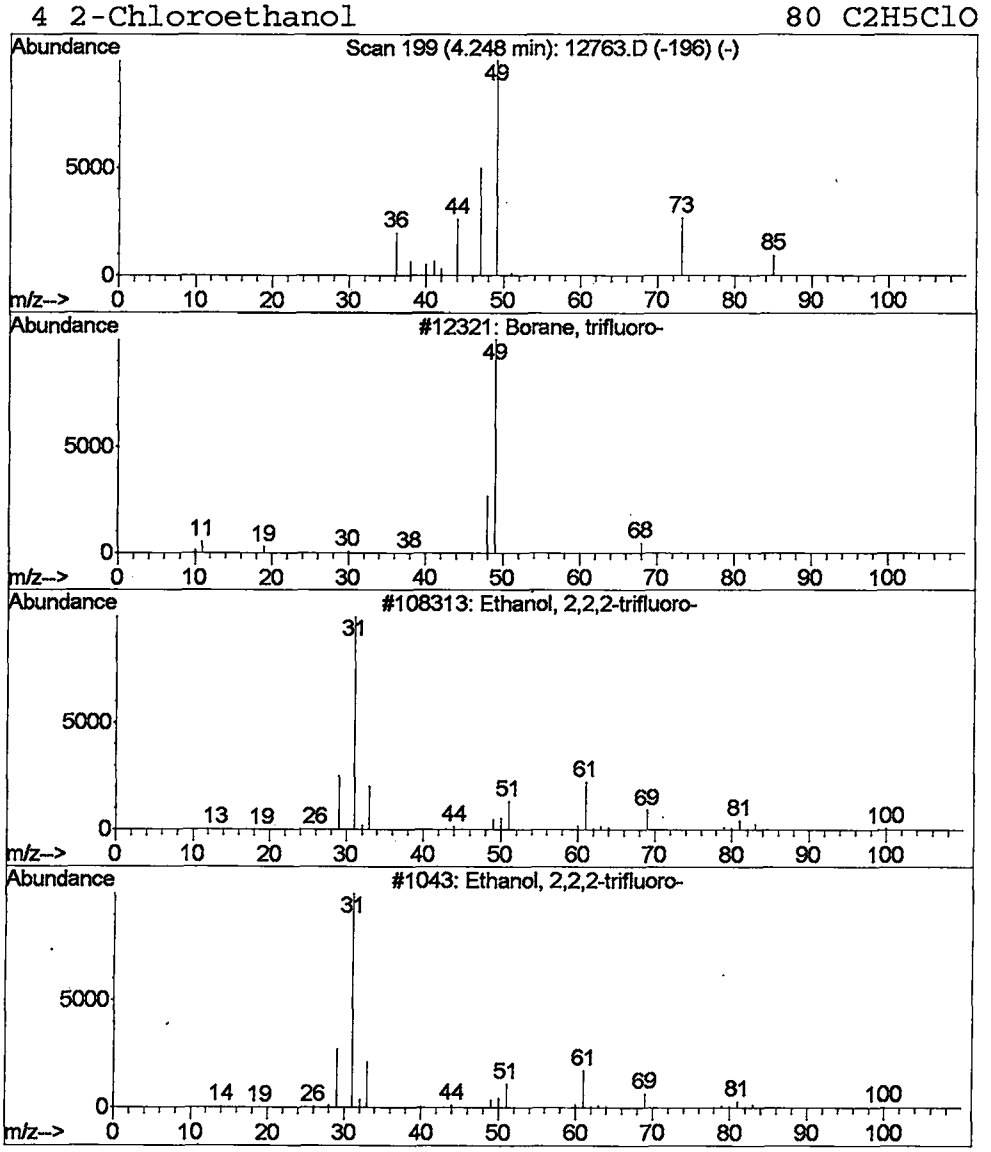
Quant Method : C:\MSDCHEM\1\METHODS\060302.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

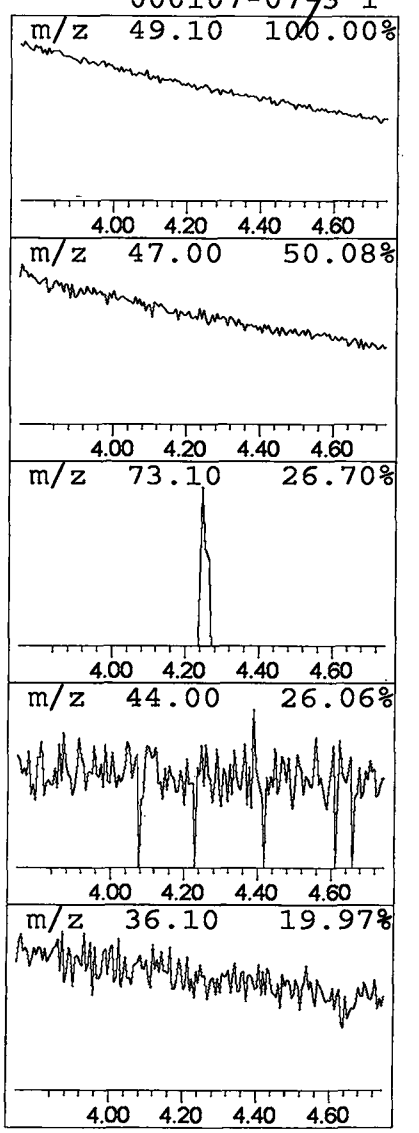
****

Peak Number 12 Borane, trifluoro- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.25	4.10 ug/L	3499920	1,4-dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Borane, trifluoro-	68	BF3	007637-07-2	1
2	Ethanol, 2,2,2-trifluoro-	100	C2H3F3O	000075-89-8	1
3	Ethanol, 2,2,2-trifluoro-	100	C2H3F3O	000075-89-8	1
4	2-Chloroethanol	80	C2H5ClO	000107-07-3	1





NYC-WTC_000015796

NYC 9/11 Public Portal Document

Data File : C:\MSDCHEM\1\DATA\060602\12763.D
Acq On : 6 Jun 2002 5:49 pm
Sample : 6/3 eh
Misc :
MS Integration Params: LSCINT.e

Vial: 9
Operator: McLean
Inst : Instrumen
Multiplr: 1.00

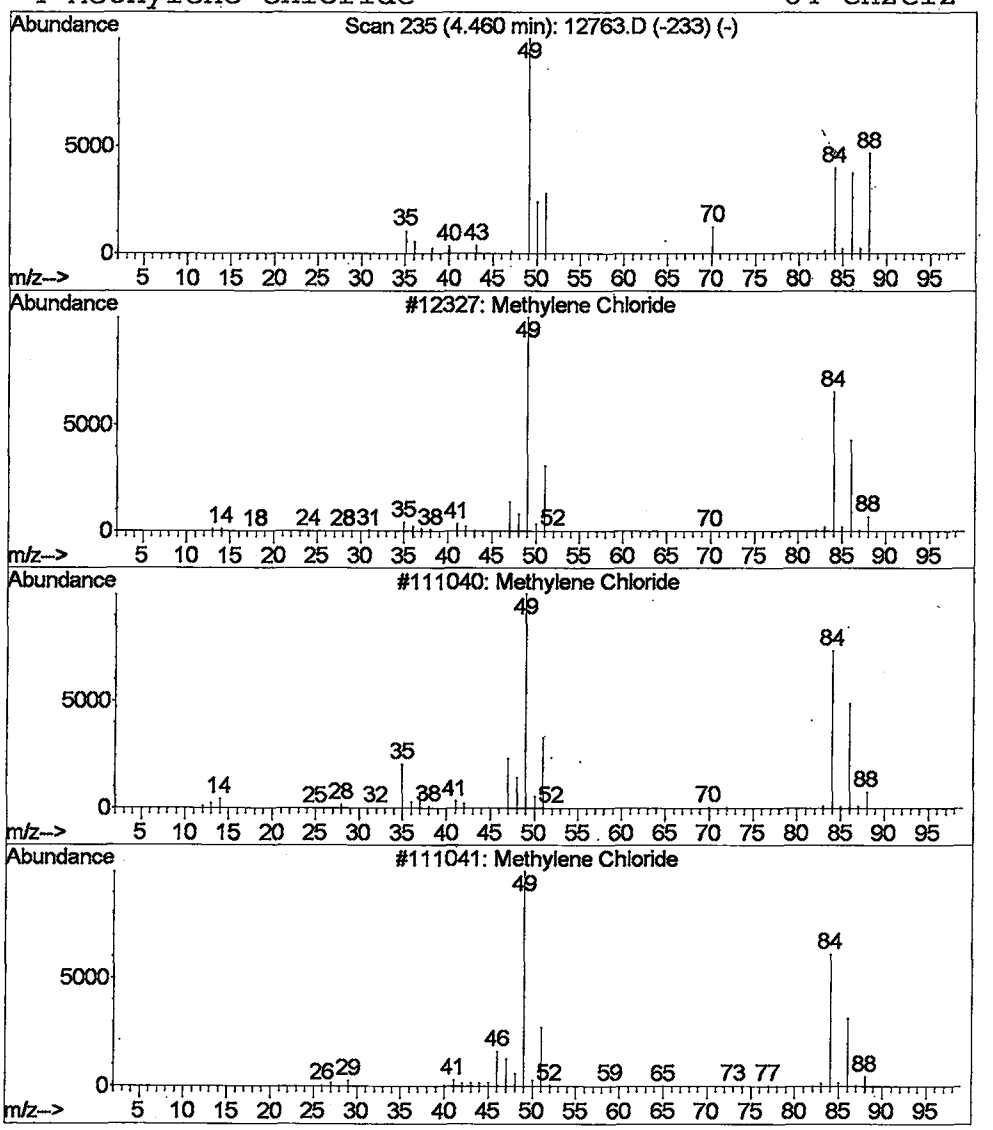
Quant Method : C:\MSDCHEM\1\METHODS\060302.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

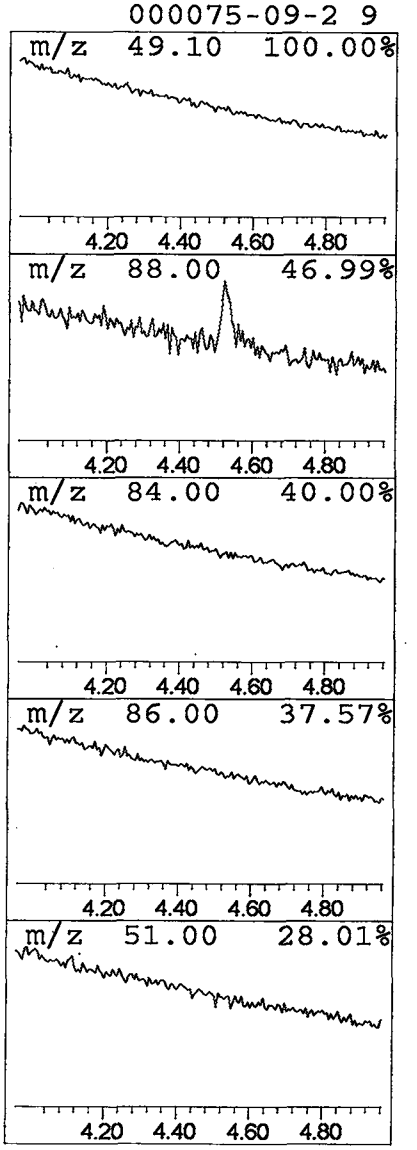
****

Peak Number 13 Methylene Chloride Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.46	1.42 ug/L	1209770	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	64
4	Methylene Chloride	84	CH2Cl2	000075-09-2	9





NYC-WTC_000015797

NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\060602\12763.D Vial: 9
Acq On : 6 Jun 2002 5:49 pm Operator: McLean
Sample : 6/3 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

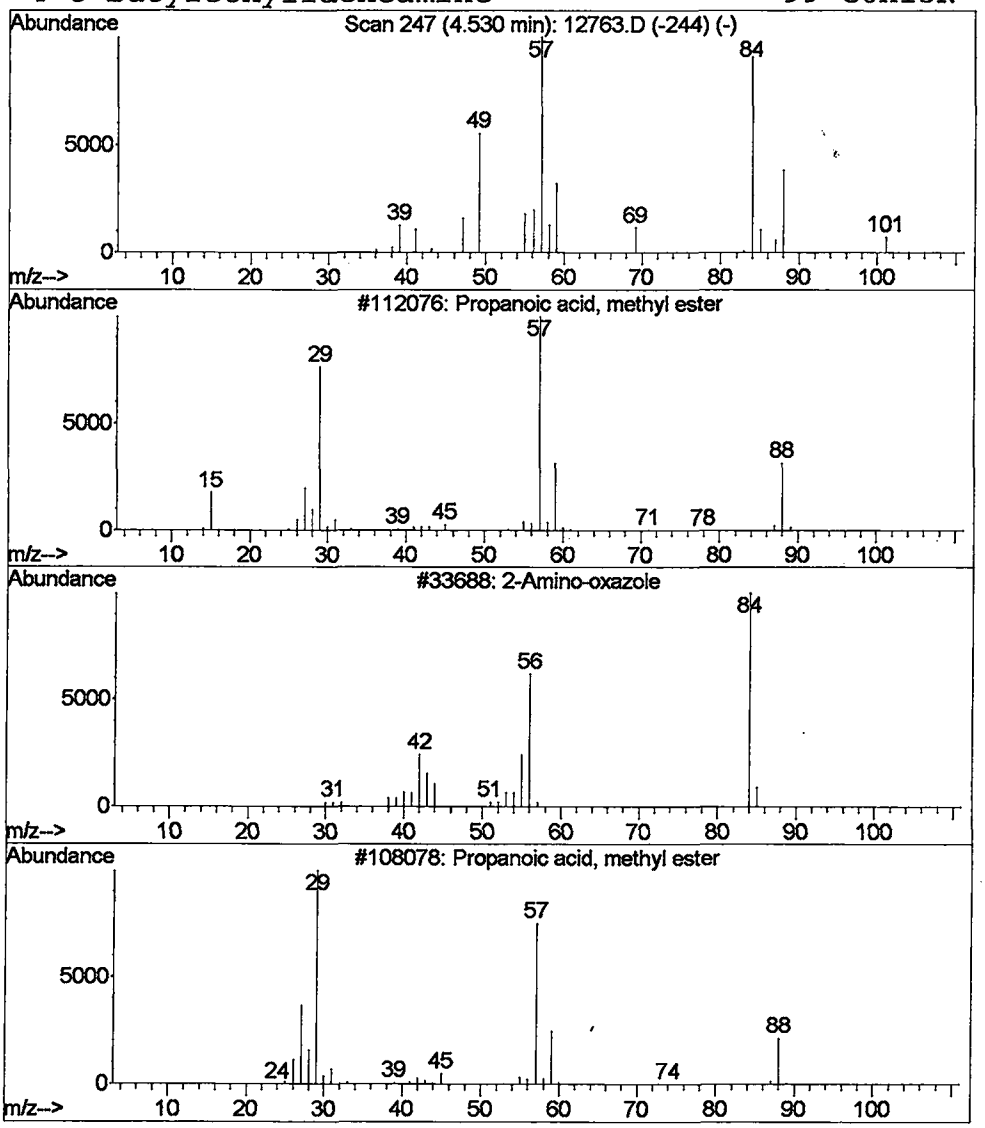
Quant Method : C:\MSDCHEM\1\METHODS\060302.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

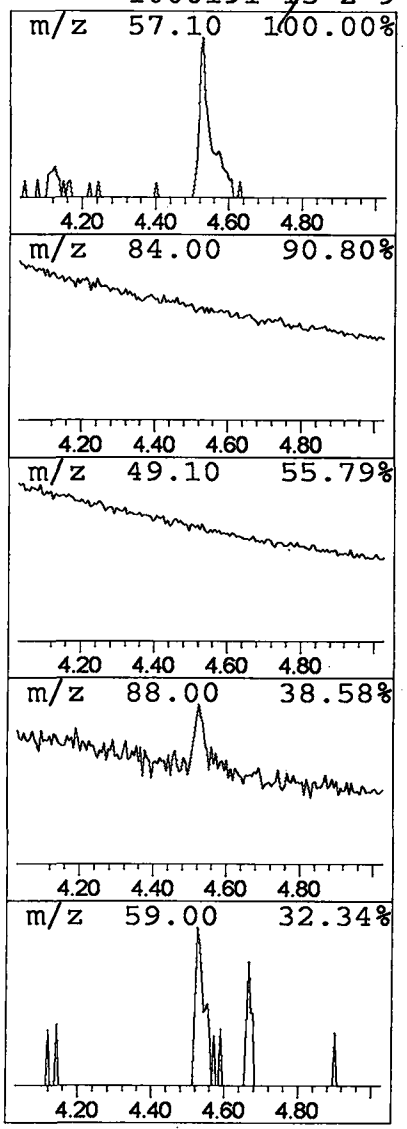
****

Peak Number 14 Propanoic acid, methyl ester Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.53	1.02 ug/L	871546	1,4-dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, methyl ester	88	C4H8O2	000554-12-1	9
2	2-Amino-oxazole	84	C3H4N2O	1000144-64-0	9
3	Propanoic acid, methyl ester	88	C4H8O2	000554-12-1	9
4	t-Butylethylideneamine	99	C6H13N	1000191-15-2	9





NYC-WTC_000015798

NYC 9/11 Public Portal Document

Data File : C:\MSDCHEM\1\DATA\060602\12763.D Vial: 9
Acq On : 6 Jun 2002 5:49 pm Operator: McLean
Sample : 6/3 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

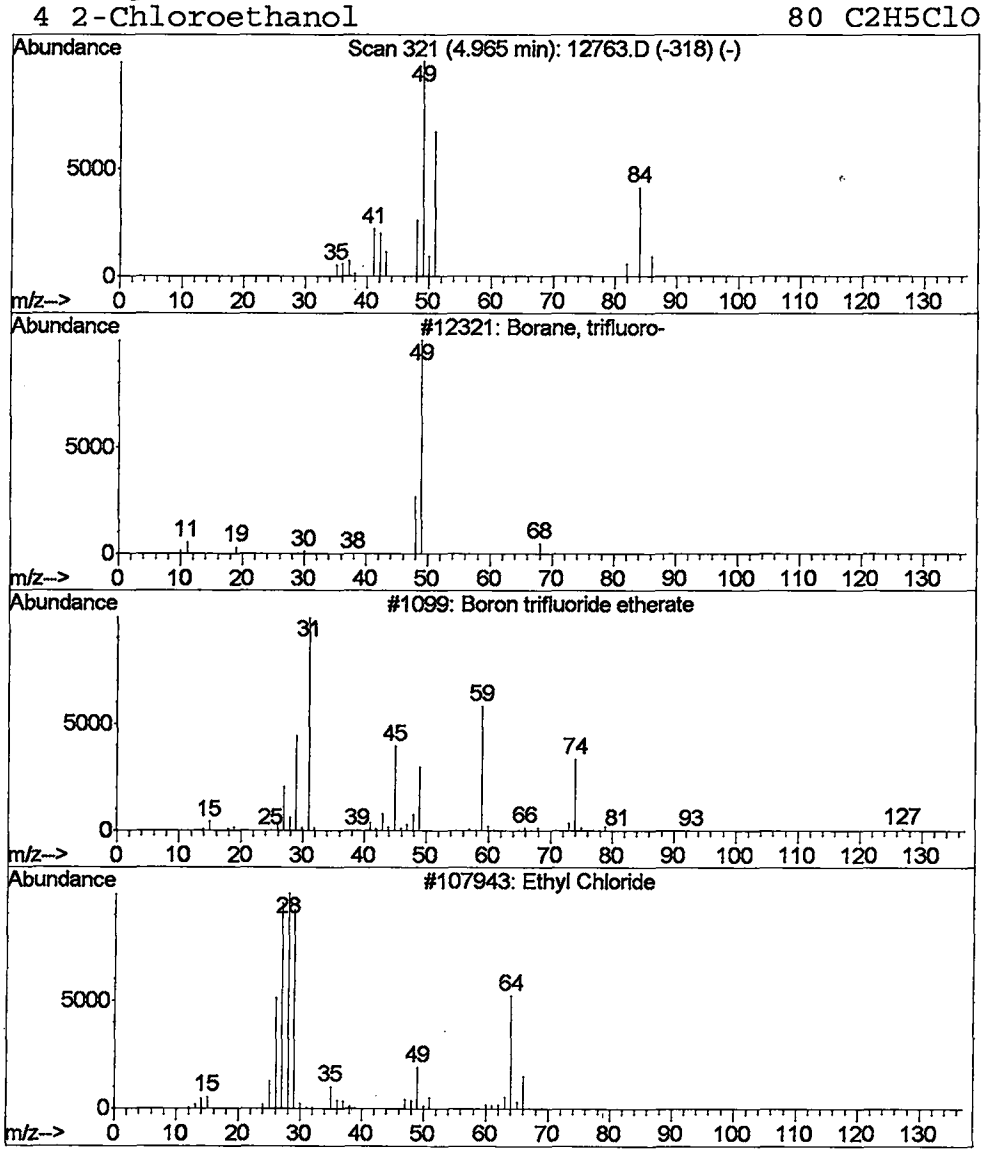
Quant Method : C:\MSDCHEM\1\METHODS\060302.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

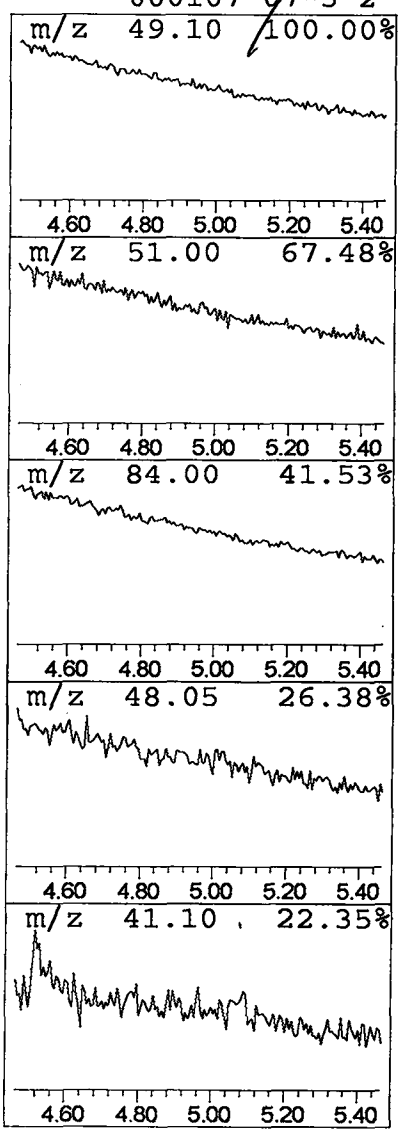
****

Peak Number 15 Borane, trifluoro- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.97	0.50 ug/L	429258	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	Boron trifluoride etherate	142	C4H10BF3O	000109-63-7	2
3	Ethyl Chloride	64	C2H5Cl	000075-00-3	2
4	2-Chloroethanol	80	C2H5ClO	000107-07-3	2





NYC-WTC_000015799

NYC 9/11 Public Portal Document

Data File : C:\MSDCHEM\1\DATA\060602\12763.D Vial: 9
Acq On : 6 Jun 2002 5:49 pm Operator: McLean
Sample : 6/3 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

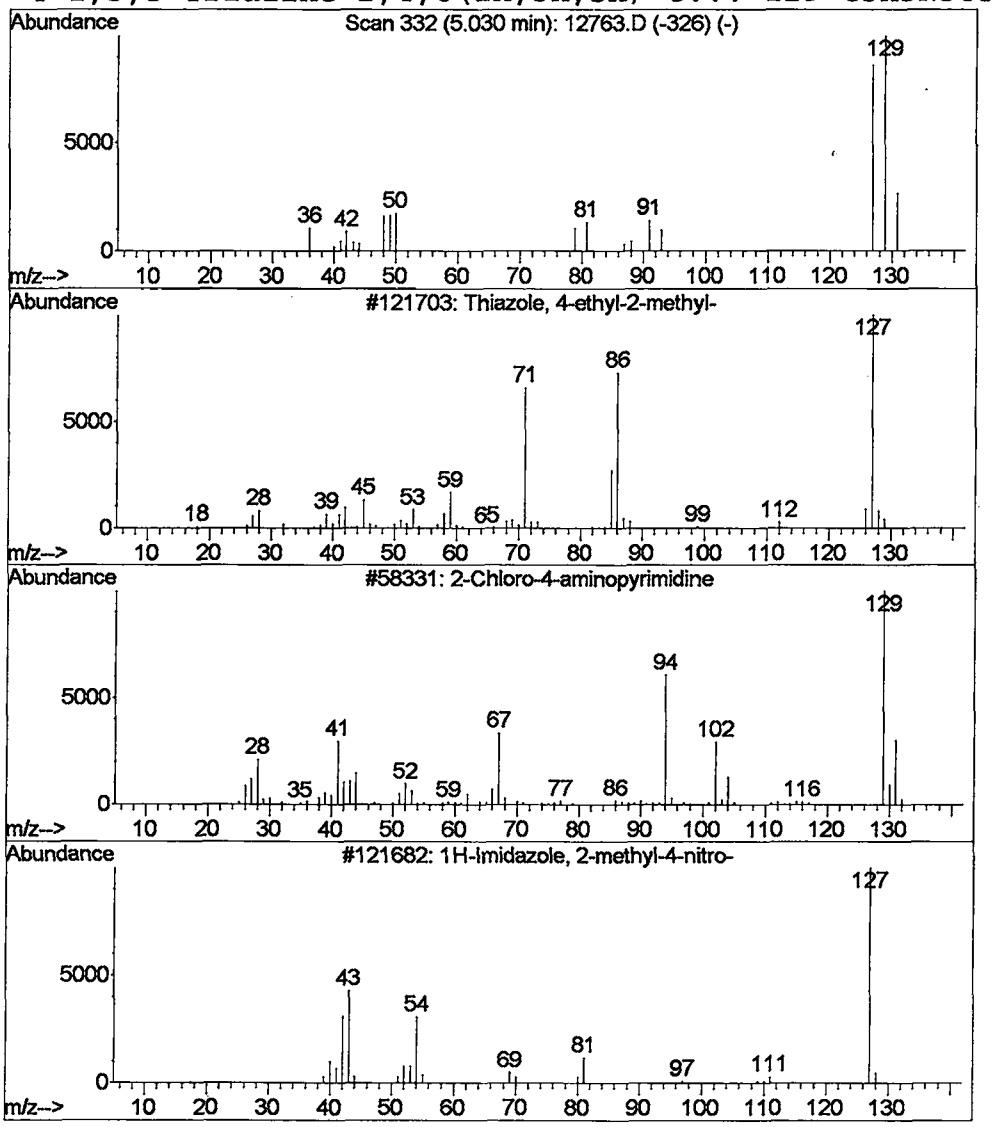
Quant Method : C:\MSDCHEM\1\METHODS\060302.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

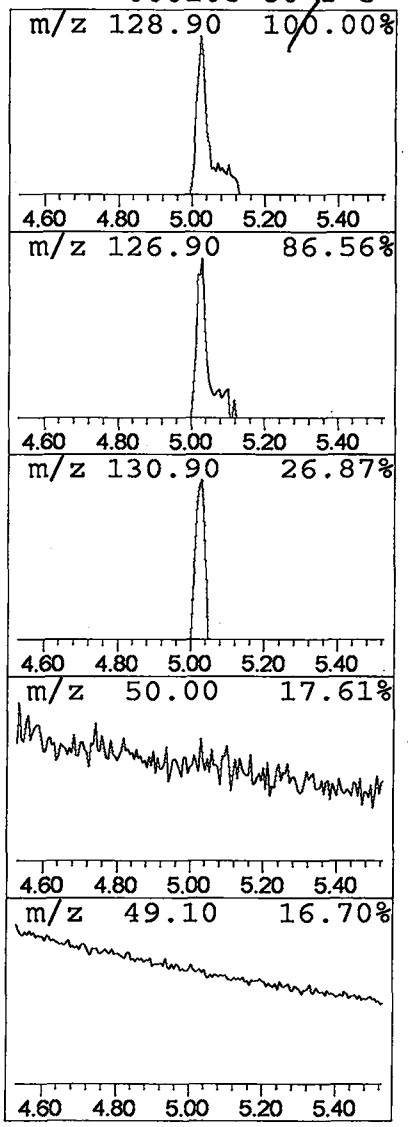
****

Peak Number 16 Thiazole, 4-ethyl-2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.03	0.97 ug/L	831538	1,4-dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiazole, 4-ethyl-2-methyl-	127	C6H9NS	032272-48-3	9
2	2-Chloro-4-aminopyrimidine	129	C4H4ClN3	007461-50-9	9
3	1H-Imidazole, 2-methyl-4-nitro-	127	C4H5N3O2	000696-23-1	5
4	1,3,5-Triazine-2,4,6(1H,3H,5H)-t...	129	C3H3N3O3	000108-80-5	5





NYC-WTC_000015800

NYC 9/11 Public Portal Document

Data File : C:\MSDCHEM\1\DATA\060602\12763.D Vial: 9
Acq On : 6 Jun 2002 5:49 pm Operator: McLean
Sample : 6/3 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

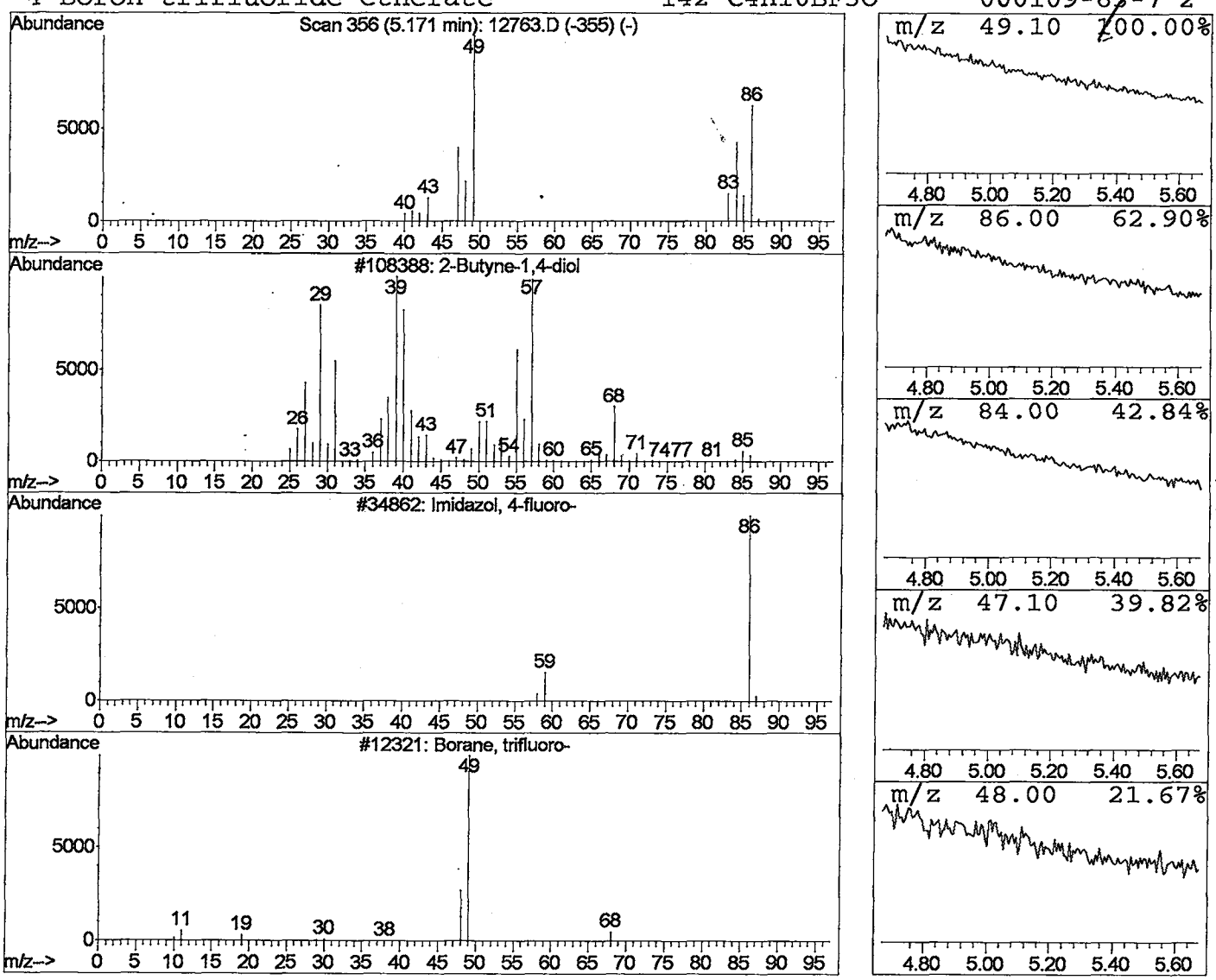
Quant Method : C:\MSDCHEM\1\METHODS\060302.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

****

Peak Number 17 2-Butyne-1,4-diol Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.17	0.76 ug/L	650919	1,4-dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butyne-1,4-diol	86	C4H6O2	000110-65-6	5
2	Imidazol, 4-fluoro-	86	C3H3FN2	030086-17-0	3
3	Borane, trifluoro-	68	BF3	007637-07-2	2
4	Boron trifluoride etherate	142	C4H10BF3O	000109-63-7	2



NYC-WTC_000015801

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\060602\12763.D
Acq On : 6 Jun 2002 5:49 pm
Sample : 6/3 eh
Misc :
MS Integration Params: LSCINT.e

Vial: 9
Operator: McLean
Inst : Instrumen
Multiplr: 1.00

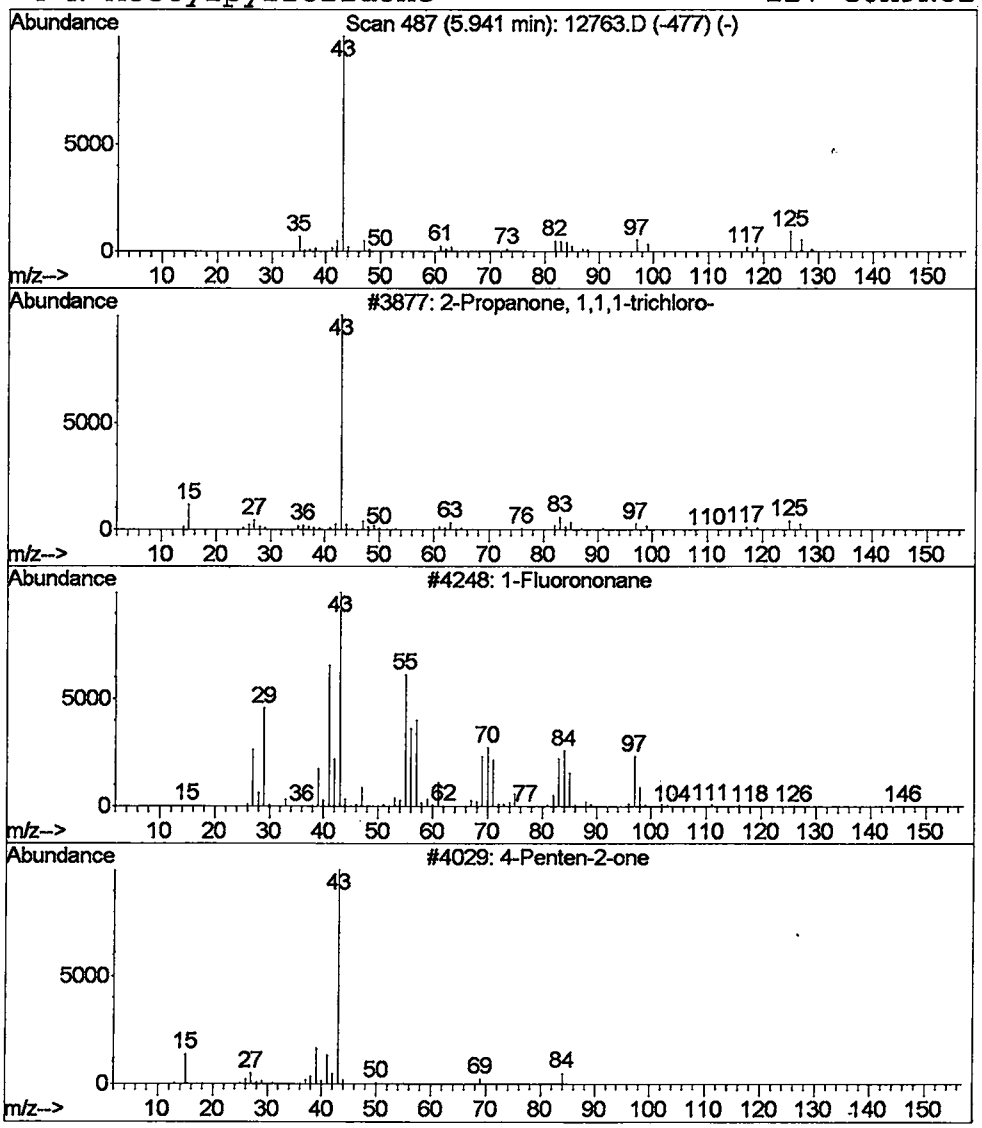
Quant Method : C:\MSDCHEM\1\METHODS\060302.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

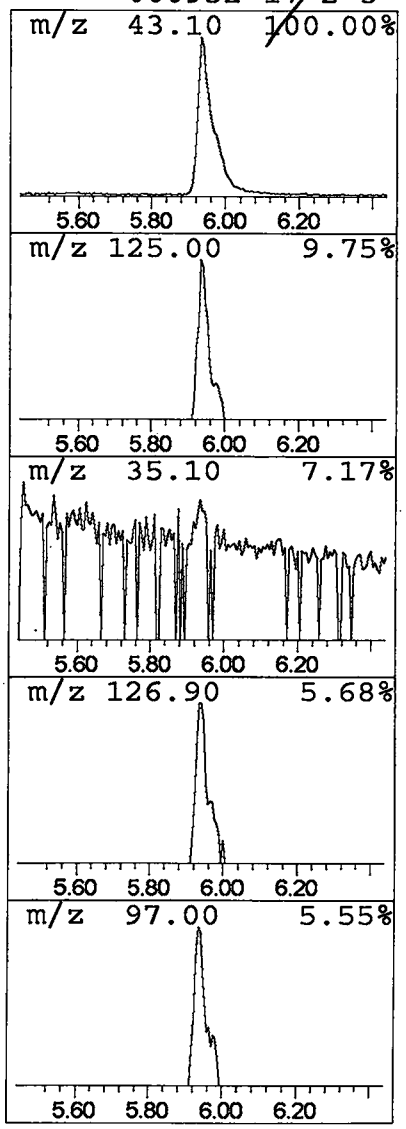
****

Peak Number 18 2-Propanone, 1,1,1-trichloro- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.94	1.43 ug/L	1218830	1,4-dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanone, 1,1,1-trichloro-	160	C3H3Cl3O	000918-00-3	56
2	1-Fluorononane	146	C9H19F	000463-18-3	9
3	4-Penten-2-one	84	C5H8O	013891-87-7	5
4	N-Acetylpyrrolidone	127	C6H9NO2	000932-17-2	5





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\060602\12763.D
Acq On : 6 Jun 2002 5:49 pm
Sample : 6/3 eh
Misc :
MS Integration Params: LSCINT.e

Vial: 9
Operator: McLean
Inst : Instrumen
Multiplr: 1.00

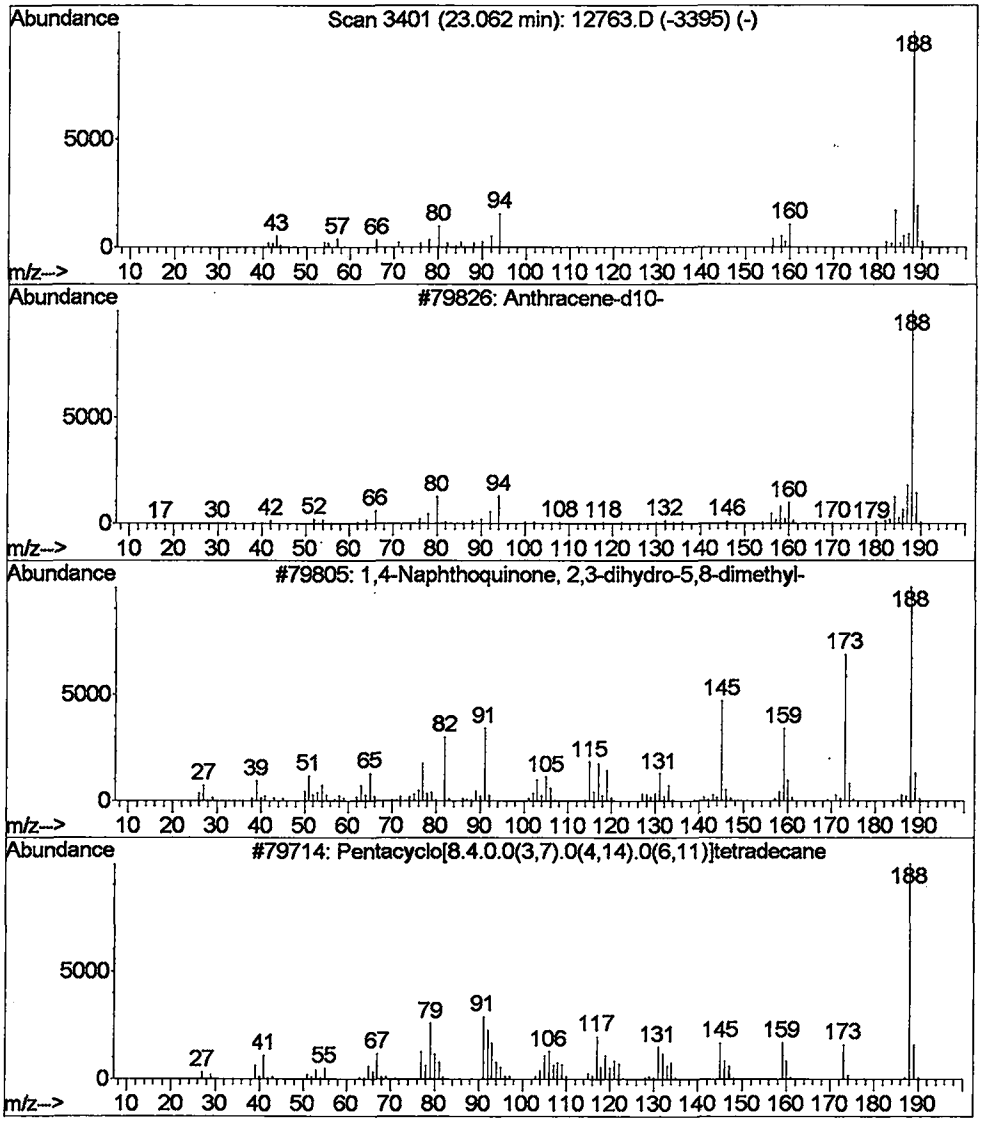
Quant Method : C:\MSDCHEM\1\METHODS\060302.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

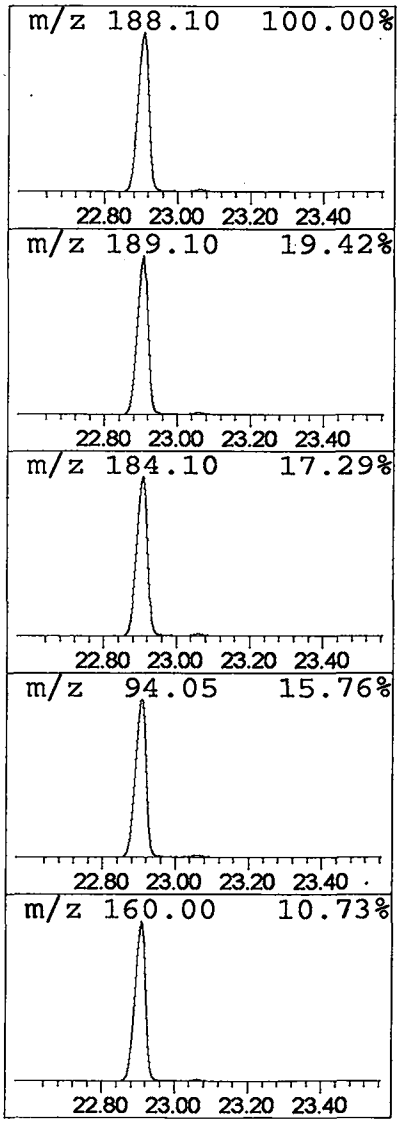
****

Peak Number 19 Anthracene-d10- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.06	0.39 ug/L	503637	Phenanthranene-d10	22.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene-d10-	188	C14D10	001719-06-8	47
2	1,4-Naphthoquinone, 2,3-dihydro-...	188	C12H12O2	1000157-22-3	42
3	Pentacyclo[8.4.0.0(3,7).0(4,14)....	188	C14H20	1000099-27-2	38
4	Phenanthrene-d10	188	C14D10	001517-22-2	37





NYC 9/11 Public Portal Document

Data File : C:\MSDCHEM\1\DATA\060602\12763.D Vial: 9
Acq On : 6 Jun 2002 5:49 pm Operator: McLean
Sample : 6/3 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

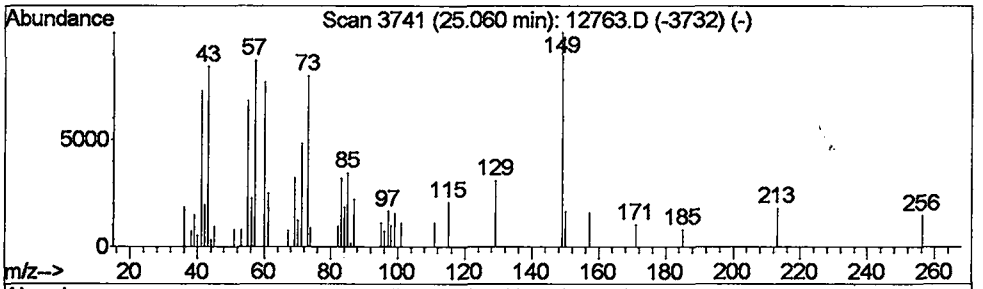
Quant Method : C:\MSDCHEM\1\METHODS\060302.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

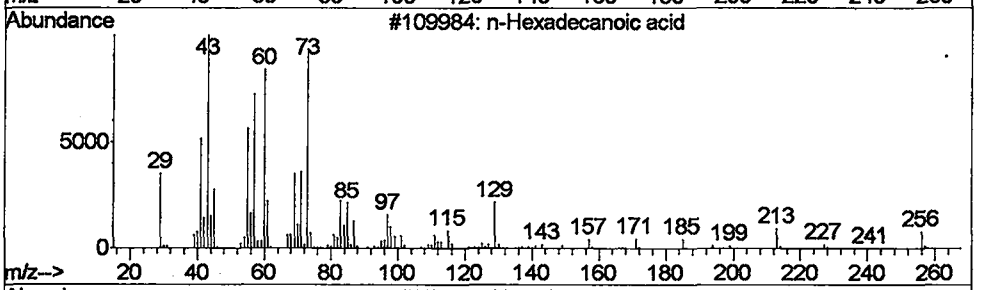
****

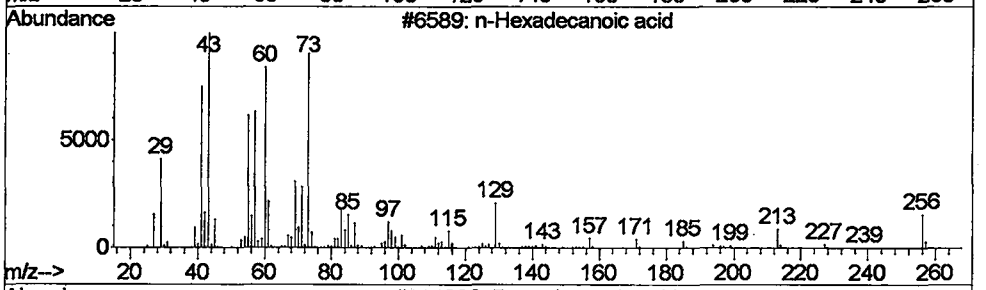
Peak Number 20 n-Hexadecanoic acid Concentration Rank 17

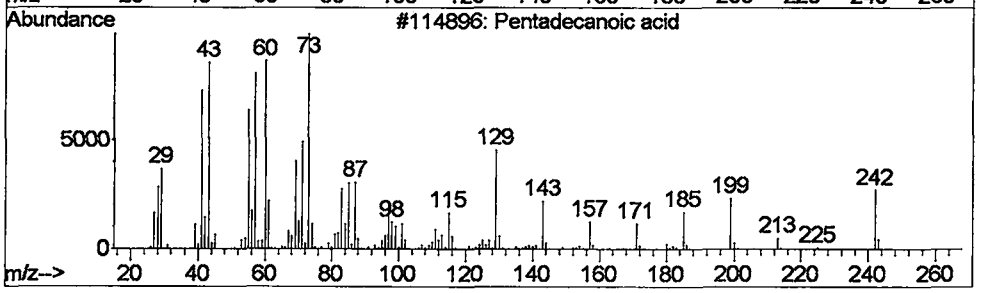
R.T.	EstConc	Area	Relative to ISTD	R.T.
25.06	0.41 ug/L	534838	Phenanthranene-d10	22.91

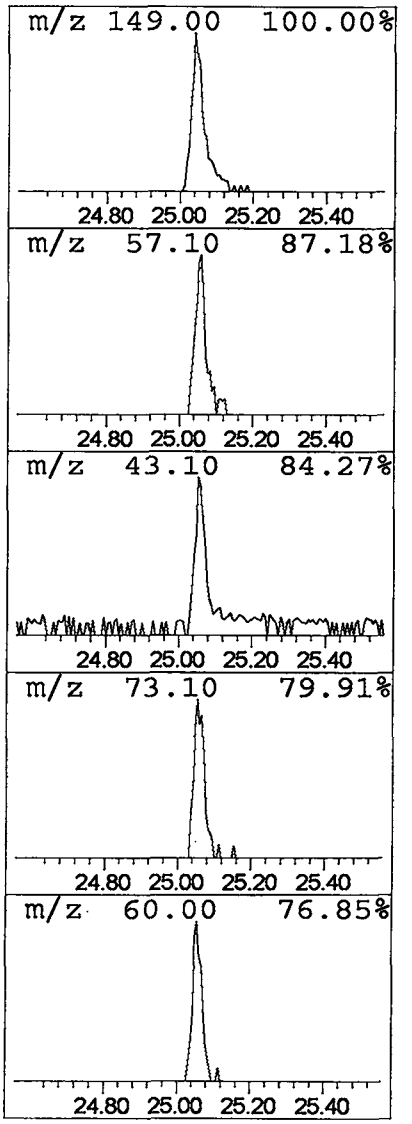
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	83
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	60
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	52
4	n-Decanoic acid	172	C10H20O2	000334-48-5	47











NYC-WTC_000015804

NYC 9/11 Public Portal Document

Tentatively Identified Compound (LSC) summary

Operator ID: McLean Date Acquired: 6 Jun 2002 5:49 pm
Data File: C:\MSDCHEM\1\DATA\060602\12763.D
Name: 6/3 eh
Misc:
Method: C:\MSDCHEM\1\METHODS\060302.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
Methane, bromodic...	3.25	0.4	ug/L	307639	1	9.90	34187000	40.0
Butanoic acid, me...	3.48	0.3	ug/L	285974	1	9.90	34187000	40.0
Acetonitrile, dic...	3.54	0.6	ug/L	492155	1	9.90	34187000	40.0
Methylene Chloride	3.71	4.2	ug/L	3582310	1	9.90	34187000	40.0
Propiolonitrile	3.75	4.5	ug/L	3828890	1	9.90	34187000	40.0
Krypton	3.83	4.2	ug/L	3602620	1	9.90	34187000	40.0
Acetic acid, chlo...	3.92	1.1	ug/L	963223	1	9.90	34187000	40.0
Propiolonitrile	3.94	1.2	ug/L	1025190	1	9.90	34187000	40.0
Pyridine-d5-	3.97	3.8	ug/L	3228650	1	9.90	34187000	40.0
Methylene Chloride	4.07	1.9	ug/L	1621200	1	9.90	34187000	40.0
2,2-Dimethoxybutane	4.12	2.2	ug/L	1893470	1	9.90	34187000	40.0
Borane, trifluoro-	4.25	4.1	ug/L	3499920	1	9.90	34187000	40.0
Methylene Chloride	4.46	1.4	ug/L	1209770	1	9.90	34187000	40.0
Propanoic acid, m...	4.53	1.0	ug/L	871546	1	9.90	34187000	40.0
Borane, trifluoro-	4.97	0.5	ug/L	429258	1	9.90	34187000	40.0
Thiazole, 4-ethyl...	5.03	1.0	ug/L	831538	1	9.90	34187000	40.0
2-Butyne-1,4-diol	5.17	0.8	ug/L	650919	1	9.90	34187000	40.0
2-Propanone, 1,1,...	5.94	1.4	ug/L	1218830	1	9.90	34187000	40.0
Anthracene-d10-	23.06	0.4	ug/L	503637	4	22.91	51997900	40.0
n-Hexadecanoic acid	25.06	0.4	ug/L	534838	4	22.91	51997900	40.0

NYC-WTC_000015805