User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 06/05/2002 Time: 08:50:52

Sample: AE11932
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 6/5/02 08:50 Ended: 6/5/02 08:50 Analyst: DLV
Page: 1

	Component Name	Vial	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		100		10.0

79550/15061
Certish 5/16/02
Grinder 6/5/2

NYC 9/11 Public Portal Document

Comments for Sample AE11932 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 06-05-2002 Time: 08:53:44

The GCMS scan, from 35 to 550 amu, reveals the presence of n-Butyl-4,9-decadien-2-amine at an estimated level of 0.96 ug/l and with a fit of 72 out of 100. It is also being identified as 4-Octadecyl morpholine with a fit of 64 out of 100. The recoveries for 4 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\052302\11932.D Vial: 12
Acq On : 23 May 2002 6:56 pm Operator: Mclean
Sample : 5/22ad Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 29 09:45:26 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 09:44:24 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	4556644	40.00	ug/L	0.00
10) Napthalene-d8	13.39	136	18184647	40.00	ug/L	-0.01
17) Acenapthalene-d10	18.53	164	9969835	40.00	ug/L	0.00
29) Phenanthranene-d10	22.91	188	15261327	40.00	ug/L	0.00
37) Chrysene-d12	30.76	240	10156678	40.00	ug/L	-0.04
43) Perylene-d12	34.66	264	5675316	40.00	ug/L	-0.02
System Monitoring Compounds						
27) TCMX	20.51	209	1832131	39.82	ug/L	0.00
Spiked Amount 40.000			Recovery = 99.55%			
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	12.17	82	41905	N.D.		
13) bis(2-Chloroethoxy) methan	12.92	93	550	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	49408	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	30104	N.D.		
30) Nnitrosodiphenylamine	20.50	169	34243	N.D.		
31) 4-Bromophenyl-phenylether	0.00	248	0	N.D.		
32) Hexachlorobenzene	0.00	284	0	N.D.		
33) Phenanthrene	22.97	178	47561	N.D.		
34) Anthracene	22.97	178	42626	N.D.		
35) Di-n-butylphthalate	0.00	149	0	N.D.		

(#) = qualifier out of range (m) = manual integration
11932.D 052202.M Wed May 29 09:51:20 2002 Page 1

NYC-WTC_000013668

NYC 9/11 Public Portal Document

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\052302\11932.D Vial: 12
Acq On : 23 May 2002 6:56 pm Operator: Mclean
Sample : 5/22ad Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 29 09:45:26 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 09:44:24 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
36)	Fluoroanthene	26.49	202	35459	N.D.	
38)	Pyrene	27.13	202	34281	N.D.	
39)	Butylbenzylphthalate	0.00	149	0	N.D.	
40)	Benzo(a)anthracene	30.76	228	29183	N.D.	
41)	Bis(2-ethylhexyl)phthalate	0.00	149	0	N.D.	
42)	Chrysene	30.83	228	-16149	Below Cal #	92
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_000013669

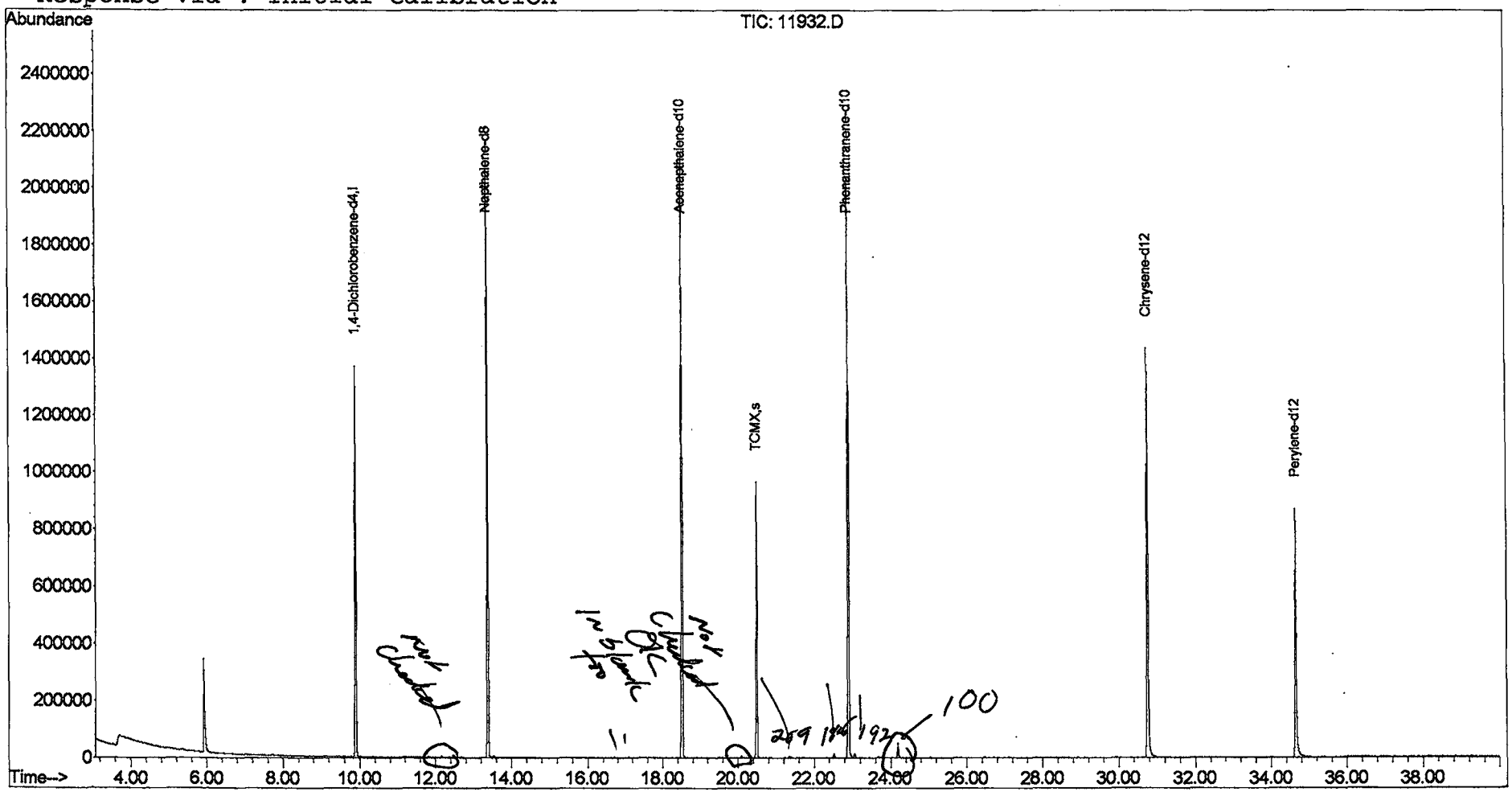
NYC-WTC_000013670

NYC 9/11 Public Portal Document

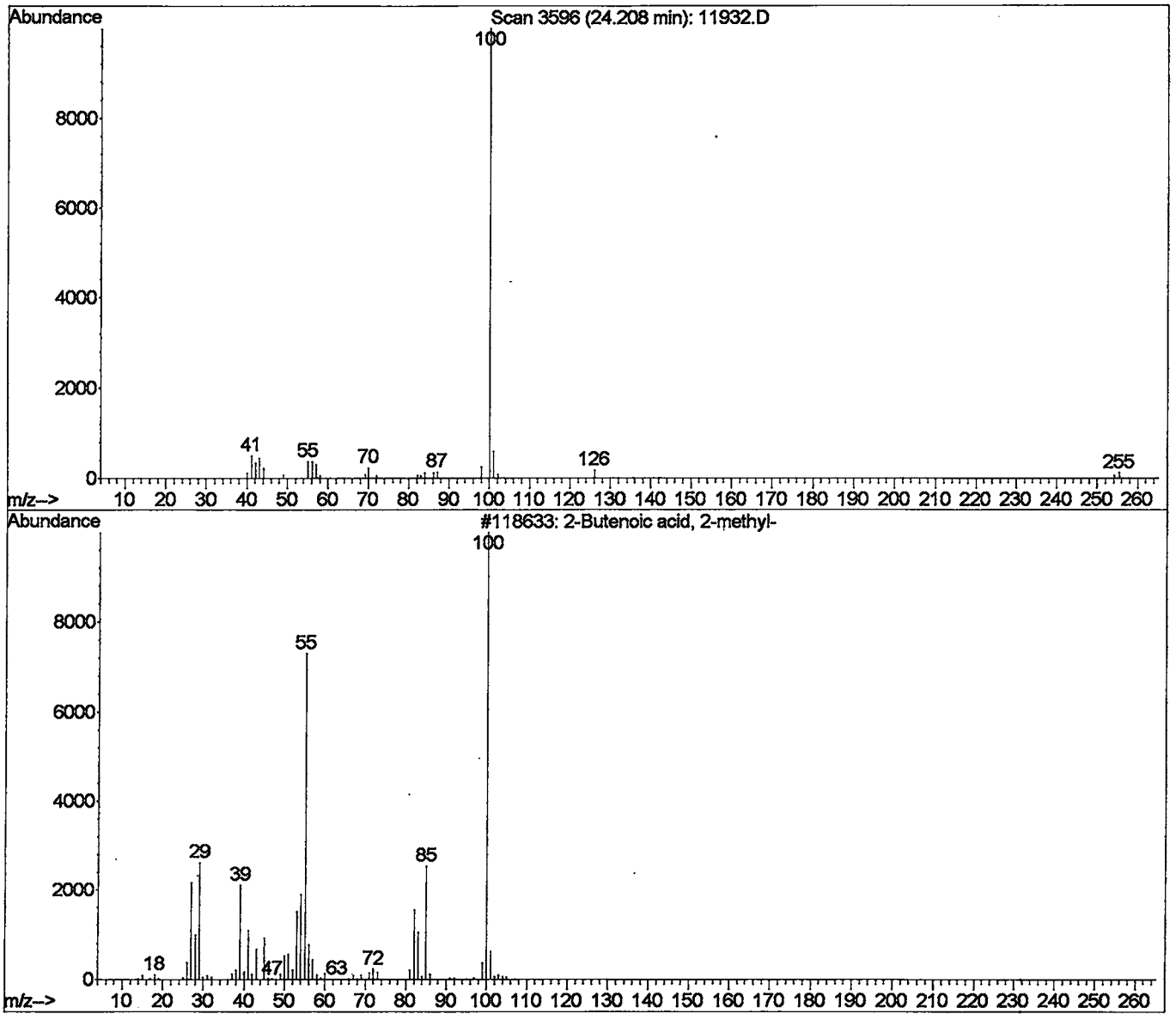
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\052302\11932.D Vial: 12
Acq On : 23 May 2002 6:56 pm Operator: Mclean
Sample : 5/22ad Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 29 9:51 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 09:44:24 2002
Response via : Initial Calibration



Library Searched : C:\Database\NIST98.L
Quality : 9
ID : 2-Butenoic acid, 2-methyl-



NYC 9/11 Public Portal Document

LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\052302\11932.D Vial: 12
Acq On : 23 May 2002 6:56 pm Operator: Mclean
Sample : 5/22ad 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	3.537	74	78	90	PV 5	4537	119164	0.29%	0.051%
2	3.720	94	109	112	PV 5	38207	1585340	3.81%	0.674%
3	3.749	112	114	115	VV 2	36998	466955	1.12%	0.199%
4	3.767	115	117	119	VV 3	35829	487108	1.17%	0.207%
5	3.790	119	121	126	VV 4	35495	765638	1.84%	0.326%
6	3.831	126	128	130	VV 2	33345	446472	1.07%	0.190%
7	3.849	130	131	134	VV 2	32293	518187	1.25%	0.220%
8	3.878	134	136	146	VV 5	31013	1225149	2.95%	0.521%
9	4.266	197	202	209	VV 6	21082	818365	1.97%	0.348%
10	4.431	228	230	236	VV 5	15302	367165	0.88%	0.156%
11	4.478	236	238	243	VV 5	14340	338402	0.81%	0.144%
12	4.519	243	245	250	VV 4	13971	329956	0.79%	0.140%
13	4.736	280	282	285	VV 3	9451	134117	0.32%	0.057%
14	4.789	289	291	297	VV 4	8268	215422	0.52%	0.092%
15	5.018	324	330	335	VV 6	6460	195483	0.47%	0.083%
16	5.053	335	336	342	VV 5	5785	129709	0.31%	0.055%
17	5.153	351	353	356	VV 3	4414	65197	0.16%	0.028%
18	5.365	384	389	407	VV 10	5362	241488	0.58%	0.103%
19	5.929	479	485	513	PV	323005	6880157	16.55%	2.927%
20	7.715	785	789	799	PV 8	3673	112642	0.27%	0.048%
21	9.278	1049	1055	1062	PV 5	1781	35223	0.08%	0.015%
22	9.901	1151	1161	1183	VV	1353363	27384783	65.89%	11.650%
23	12.175	1534	1548	1556	VV 2	4985	100328	0.24%	0.043%
24	12.374	1576	1582	1587	PV 4	2462	43242	0.10%	0.018%
25	13.391	1744	1755	1772	PV	2028841	36974488	88.96%	15.729%
26	13.549	1776	1782	1789	VV 2	5332	90026	0.22%	0.038%
27	16.705	2313	2319	2326	VV 5	3132	59607	0.14%	0.025%
28	17.110	2383	2388	2395	VV 4	5612	90959	0.22%	0.039%
29	17.621	2469	2475	2486	PV 6	1966	37148	0.09%	0.016%
30	18.532	2615	2630	2640	BV	2134672	40739331	98.01%	17.331%
31	20.101	2890	2897	2903	PV 2	7256	115424	0.28%	0.049%
32	20.506	2945	2966	2974	VV	963028	18181526	43.74%	7.735%
33	20.653	2986	2991	3000	VV 2	2287	44928	0.11%	0.019%
34	21.358	3099	3111	3115	VV 4	6654	109746	0.26%	0.047%
35	21.399	3115	3118	3129	VV 2	2840	49298	0.12%	0.021%
36	22.539	3299	3312	3320	VV 2	15218	281690	0.68%	0.120%
37	22.915	3364	3376	3396	PV 2	2022133	41564498	100.00%	17.682%

NYC-WTC_000013672

NYC 9/11 Public Portal Document

38	23.068	3396	3402	3408	VV		14033	245226	0.59%	0.104%
39	23.691	3499	3508	3514	PV		3276	66680	0.16%	0.028%
40	24.202	3587	3595	3612	PV		52901	998844	2.40%	0.425%
41	25.054	3730	3740	3745	PV	2	2280	45179	0.11%	0.019%
42	26.493	3976	3985	3992	VV		3717	75615	0.18%	0.032%
43	26.728	4019	4025	4034	PV	3	1725	38239	0.09%	0.016%
44	27.128	4086	4093	4100	VV	3	3338	62499	0.15%	0.027%
45	30.765	4686	4712	4764	PV	2	1441058	31432575	75.62%	13.372%
46	31.341	4804	4810	4826	PV	5	2299	49917	0.12%	0.021%
47	34.660	5361	5375	5421	PV	2	859548	20664698	49.72%	8.791%
48	34.942	5421	5423	5426	VV	2	2076	28202	0.07%	0.012%
49	36.288	5645	5652	5655	PV	5	729	13451	0.03%	0.006%

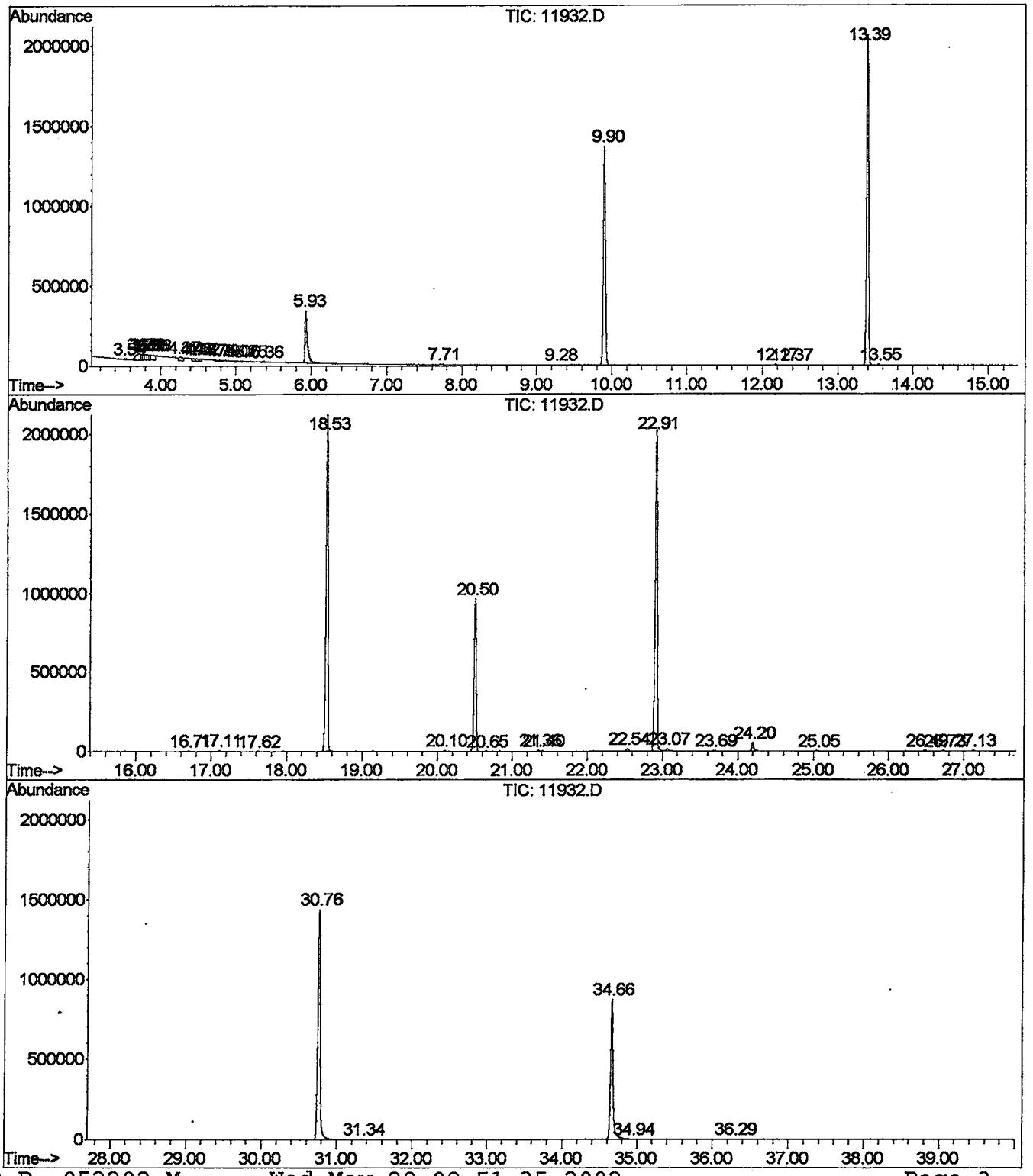
Sum of corrected areas: 235065486

NYC-WTC_000013673

NYC 9/11 Public Portal Document

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\052302\11932.D
Operator : Mclean
Acquired : 23 May 2002 6:56 pm using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: 5/22ad
Misc Info :
Vial Number: 12
Quant File :052202.RES (Chemstation Integrator)



NYC-WTC_000013674

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052302\11932.D
Acq On : 23 May 2002 6:56 pm
Sample : 5/22ad
Misc :
MS Integration Params: LSCINT.e

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

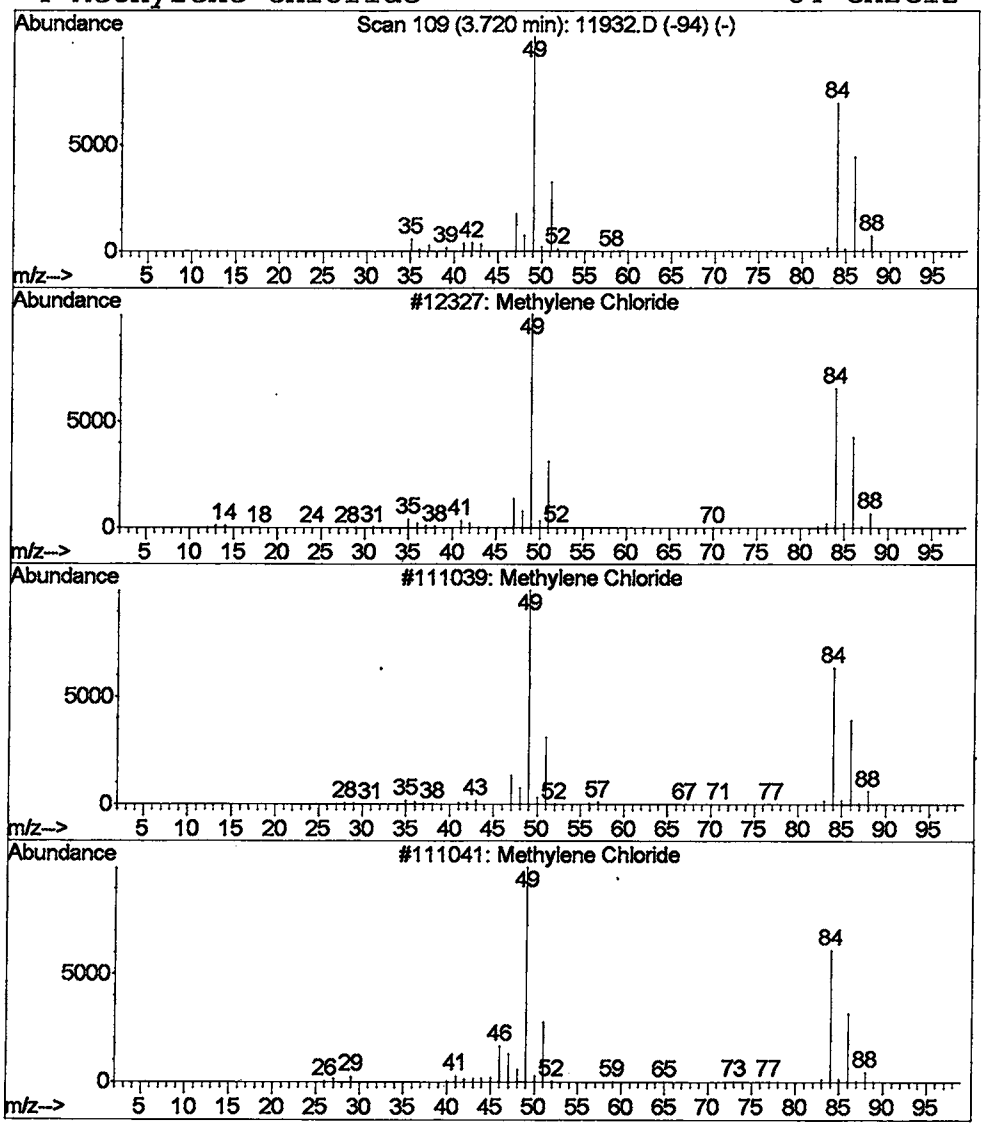
Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

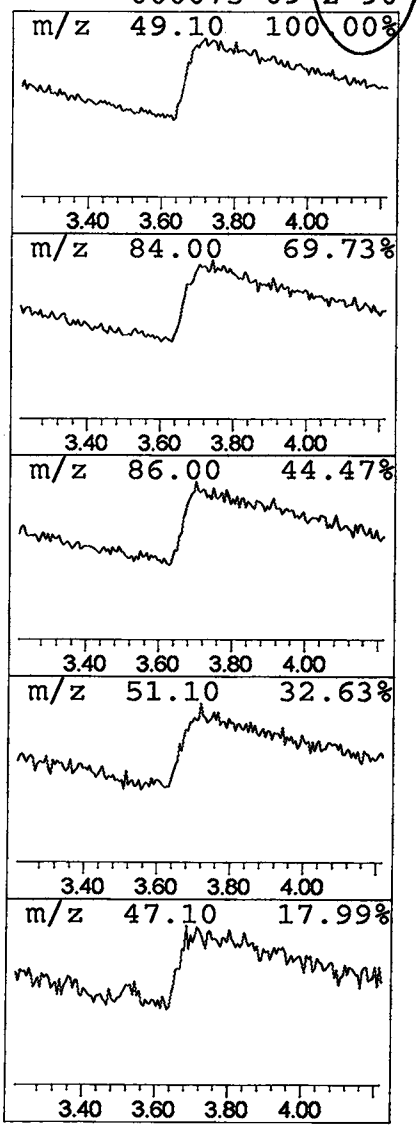
****

Peak Number 1 Methylene Chloride Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.72	2.32 ug/L	1585340	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methylene Chloride	84	CH2Cl2	000075-09-2	94
2	Methylene Chloride	84	CH2Cl2	000075-09-2	91
3	Methylene Chloride	84	CH2Cl2	000075-09-2	91
4	Methylene Chloride	84	CH2Cl2	000075-09-2	90





NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052302\11932.D
Acq On : 23 May 2002 6:56 pm
Sample : 5/22ad
Misc :
MS Integration Params: LSCINT.e

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

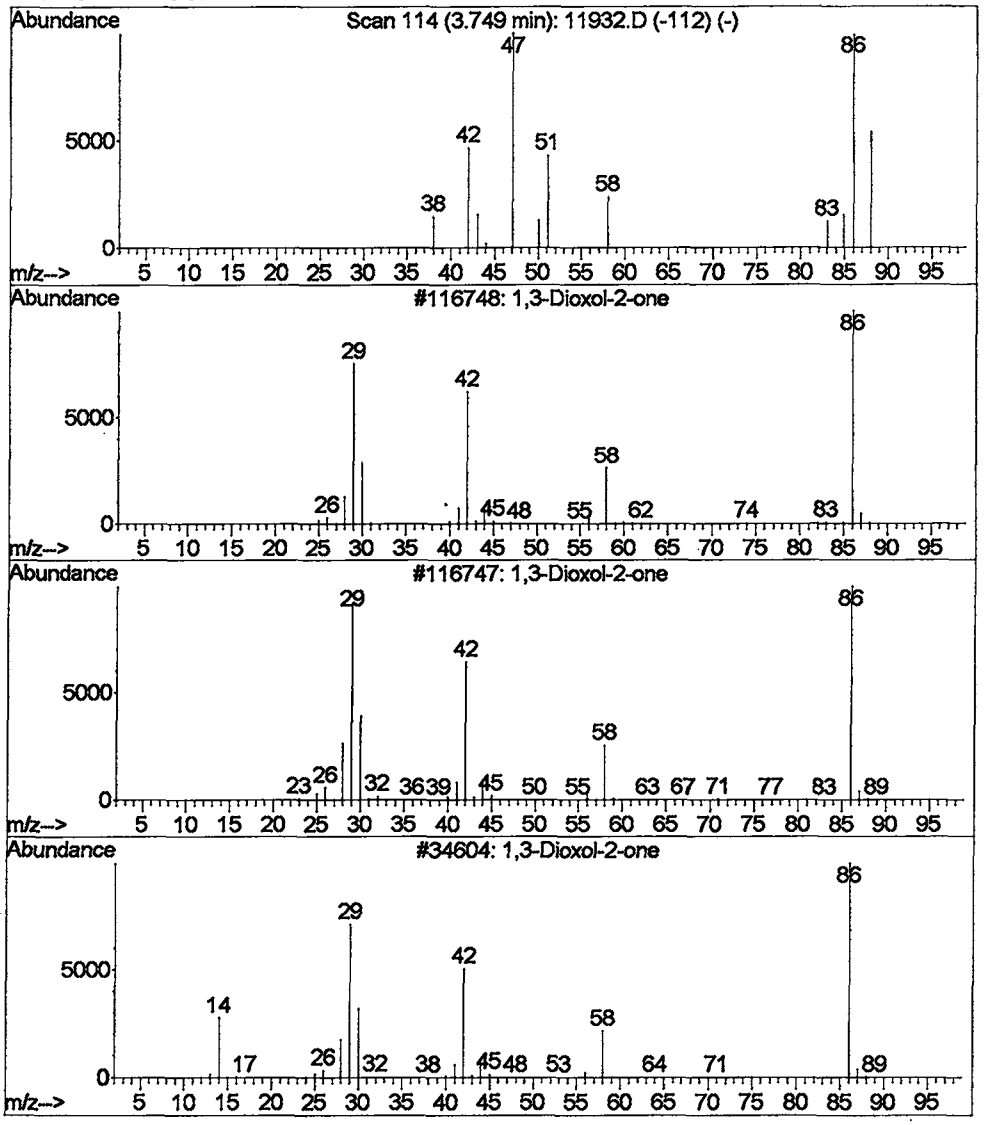
Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

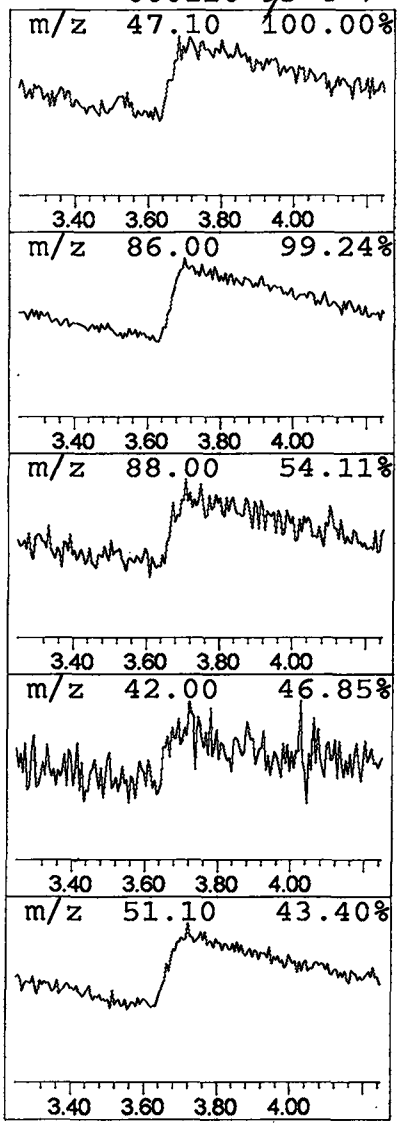
****

Peak Number 2 1,3-Dioxol-2-one Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.75	0.68 ug/L	466955	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Dioxol-2-one	86	C3H2O3	000872-36-6	9
2	1,3-Dioxol-2-one	86	C3H2O3	000872-36-6	9
3	1,3-Dioxol-2-one	86	C3H2O3	000872-36-6	9
4	2-Imidazolidinone	86	C3H6N2O	000120-93-4	7





NYC-WTC_000013676

NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052302\11932.D
Acq On : 23 May 2002 6:56 pm
Sample : 5/22ad
Misc :
MS Integration Params: LSCINT.e

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

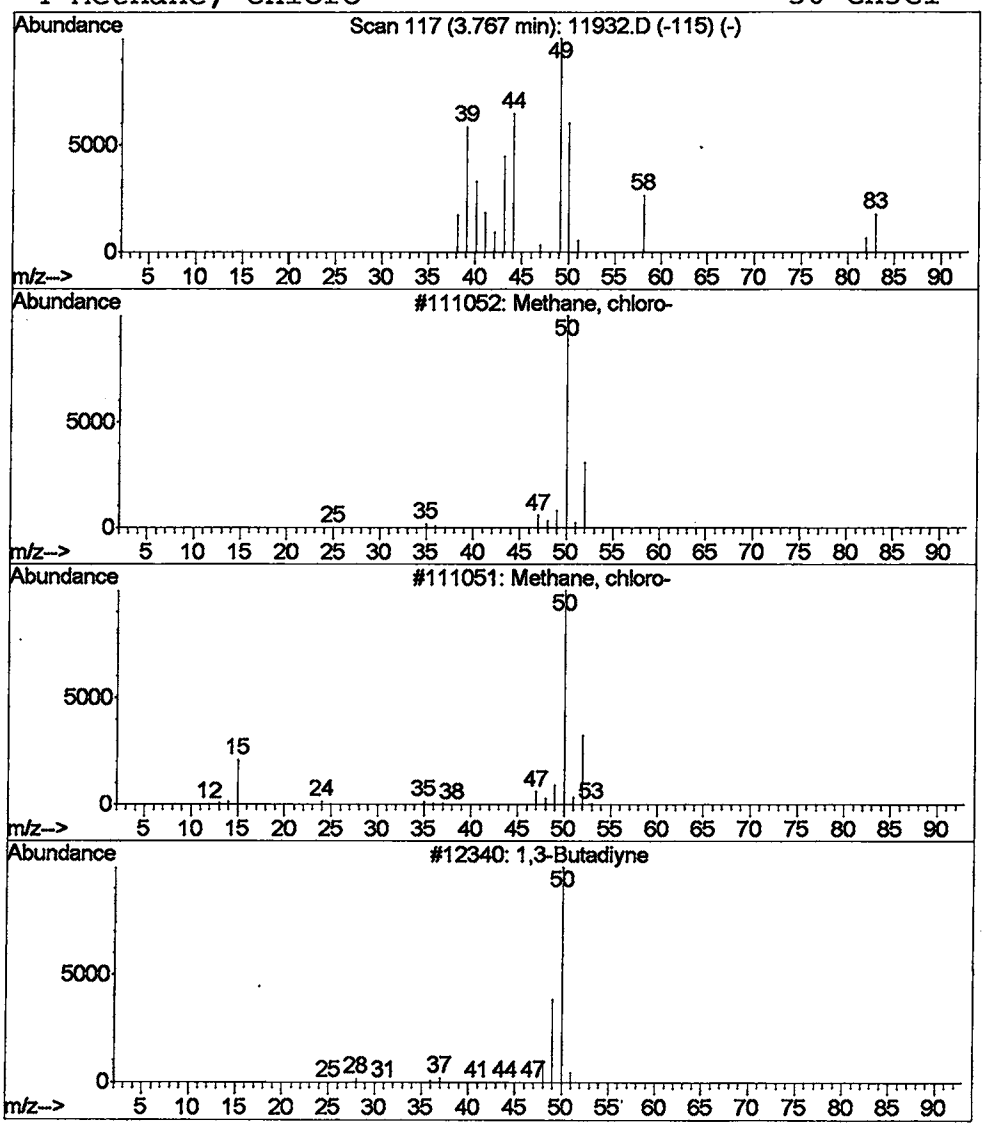
Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

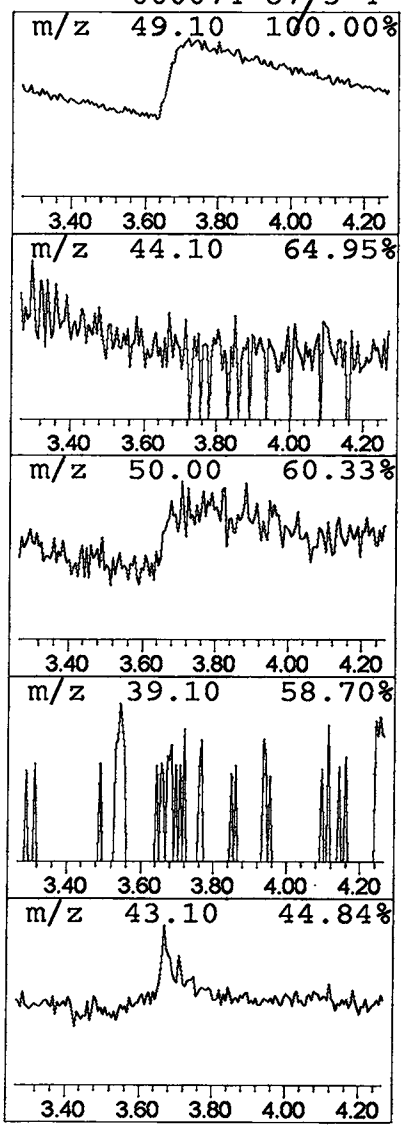
****

Peak Number 3 Methane, chloro- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.77	0.71 ug/L	487108	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methane, chloro-	50	CH3Cl	000074-87-3	4
2	Methane, chloro-	50	CH3Cl	000074-87-3	4
3	1,3-Butadiyne	50	C4H2	000460-12-8	4
4	Methane, chloro-	50	CH3Cl	000074-87-3	4





NYC-WTC_000013677

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052302\11932.D Vial: 12
Acq On : 23 May 2002 6:56 pm Operator: Mclean
Sample : 5/22ad Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

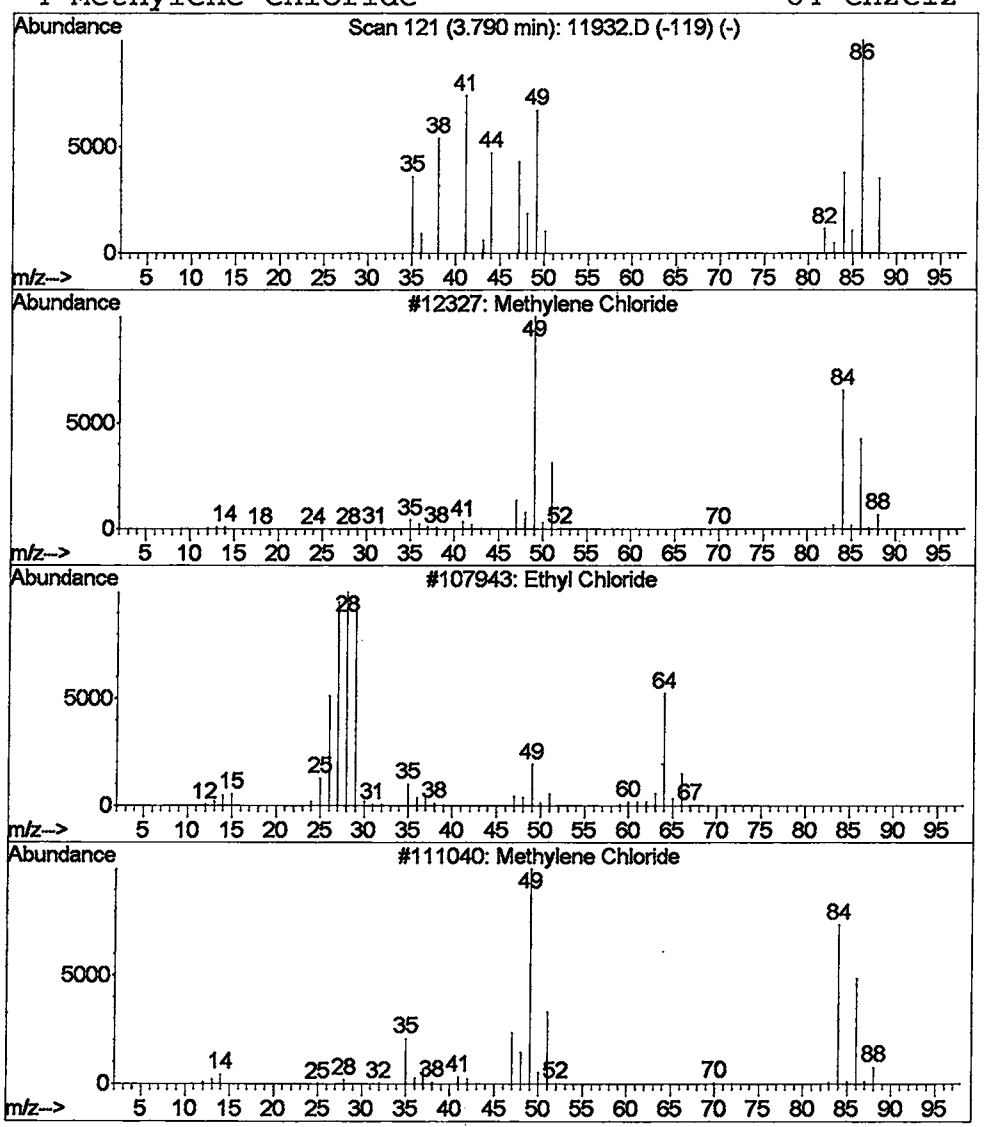
Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

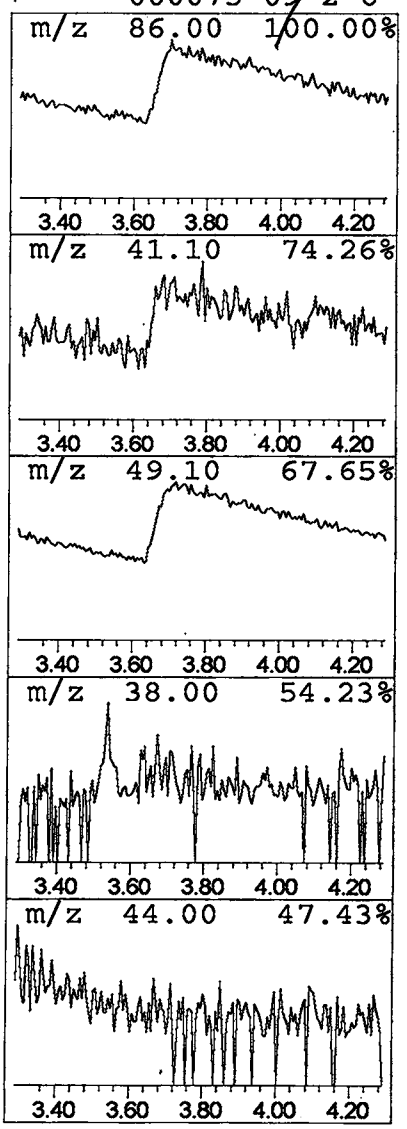
****

Peak Number 4 Methylene Chloride Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.79	1.12 ug/L	765638	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methylene Chloride	84	CH2Cl2	000075-09-2	32
2	Ethyl Chloride	64	C2H5Cl	000075-00-3	9
3	Methylene Chloride	84	CH2Cl2	000075-09-2	8
4	Methylene Chloride	84	CH2Cl2	000075-09-2	6





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052302\11932.D
Acq On : 23 May 2002 6:56 pm
Sample : 5/22ad
Misc :
MS Integration Params: LSCINT.e

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

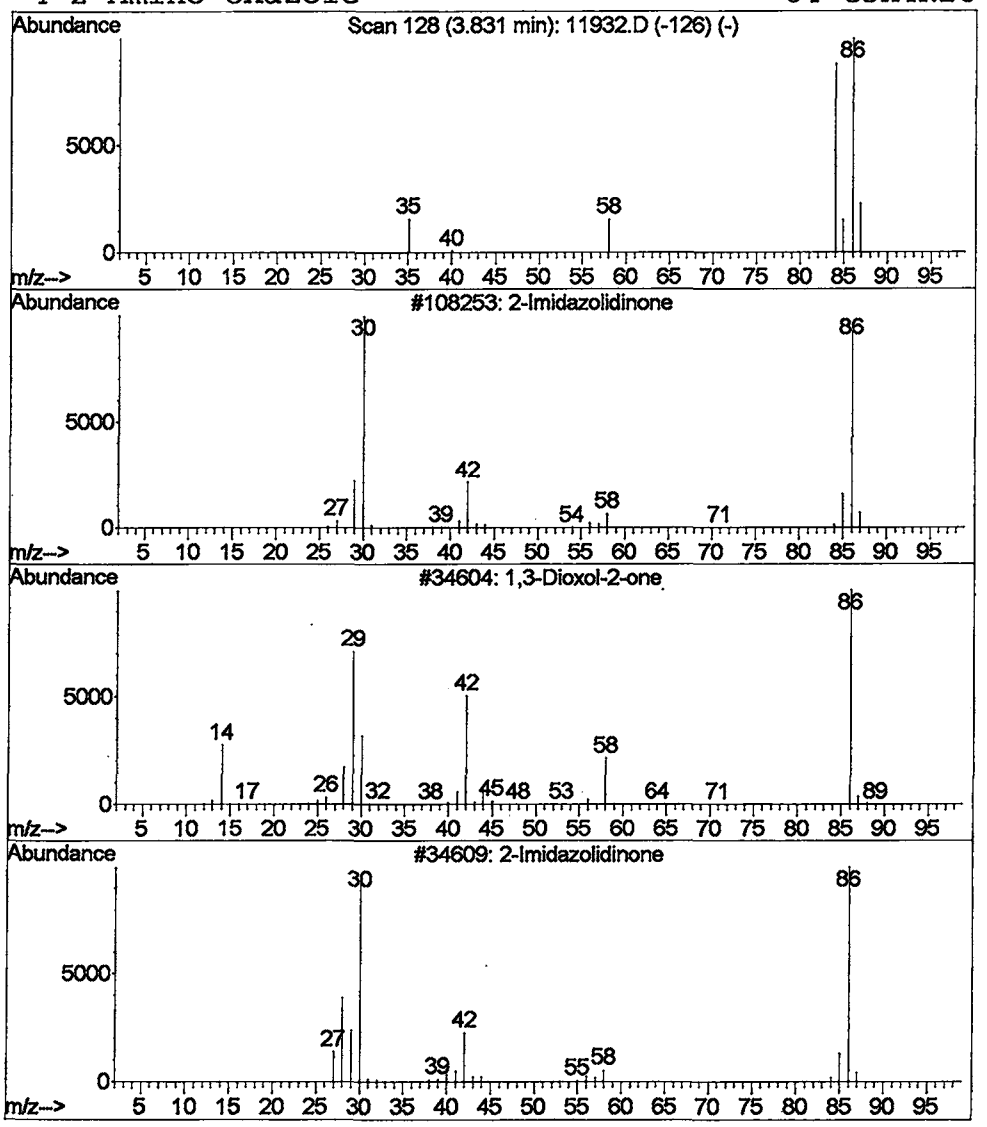
Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

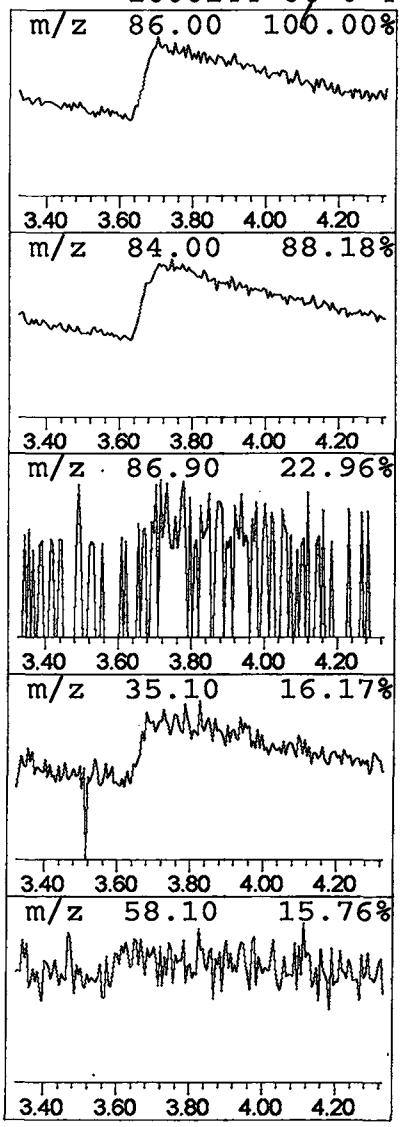
****

Peak Number 5 2-Imidazolidinone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.83	0.65 ug/L	446472	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Imidazolidinone	86	C3H6N2O	000120-93-4	4
2	1,3-Dioxol-2-one	86	C3H2O3	000872-36-6	4
3	2-Imidazolidinone	86	C3H6N2O	000120-93-4	4
4	2-Amino-oxazole	84	C3H4N2O	1000144-64-0	4





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052302\11932.D Vial: 12
Acq On : 23 May 2002 6:56 pm Operator: Mclean
Sample : 5/22ad Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

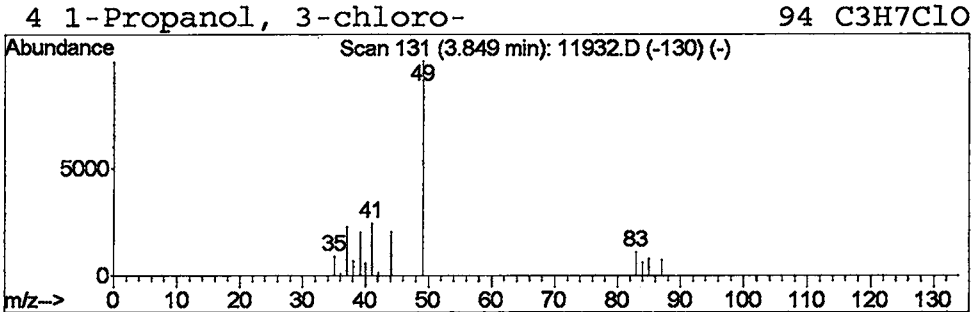
Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

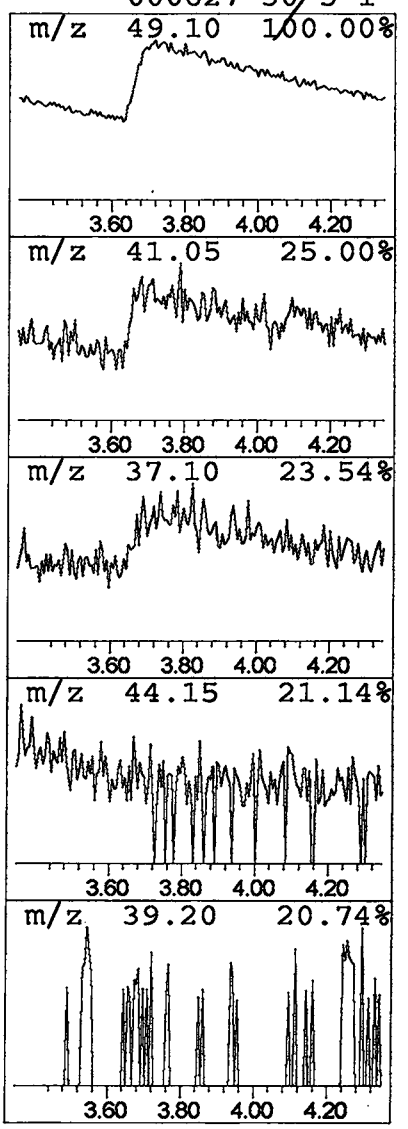
****

Peak Number 6 Acetic acid, chloro-, ethyl... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.85	0.76 ug/L	518187	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	2
2	Ethyl Chloride	64	C2H5Cl	000075-00-3	2
3	Borane, trifluoro-	68	BF3	007637-07-2	1
4	1-Propanol, 3-chloro-	94	C3H7ClO	000627-30-5	1





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052302\11932.D
Acq On : 23 May 2002 6:56 pm
Sample : 5/22ad
Misc :
MS Integration Params: LSCINT.e

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

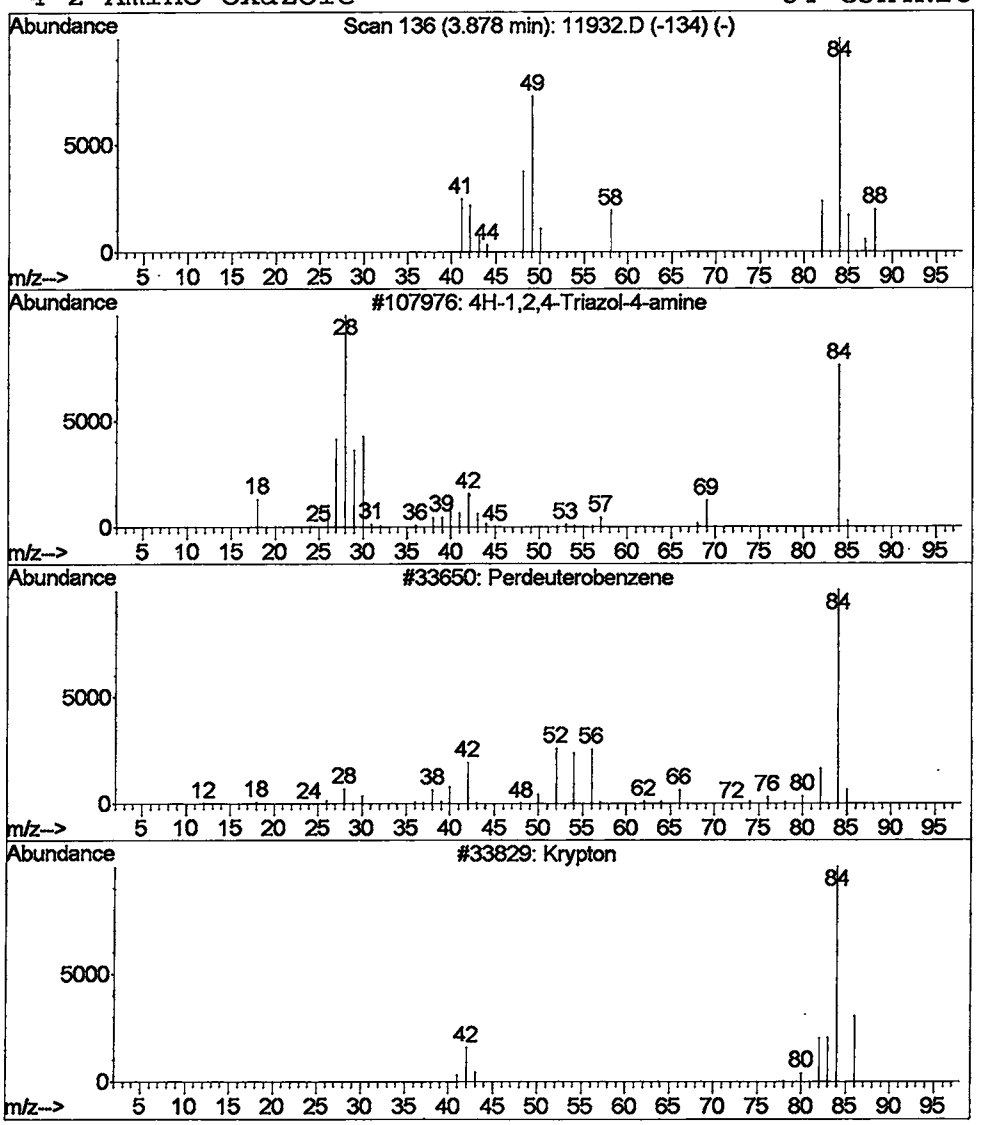
Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

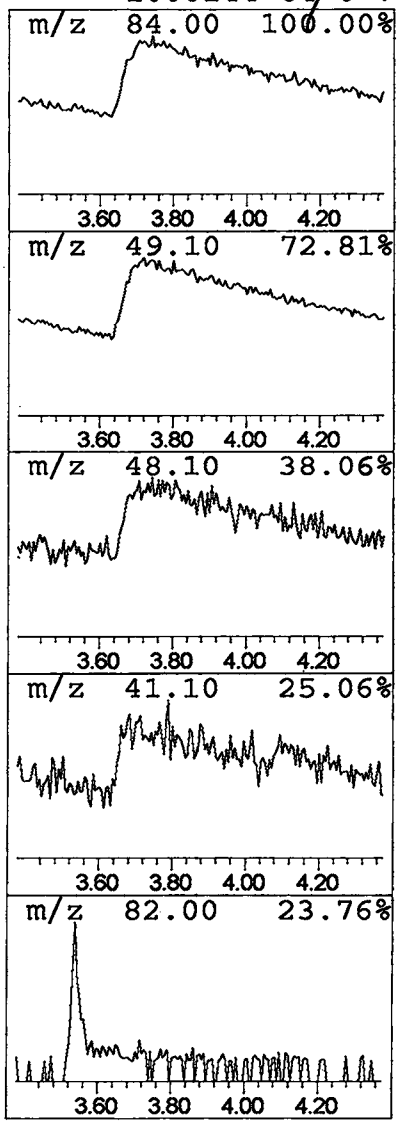
****

Peak Number 7 4H-1,2,4-Triazol-4-amine Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.88	1.79 ug/L	1225150	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-1,2,4-Triazol-4-amine	84	C2H4N4	000584-13-4	9
2	Perdeuterobenzene	84	C6D6	001076-43-3	9
3	Krypton	84	Kr	007439-90-9	9
4	2-Amino-oxazole	84	C3H4N2O	1000144-64-0	7





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052302\11932.D Vial: 12
Acq On : 23 May 2002 6:56 pm Operator: Mclean
Sample : 5/22ad Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

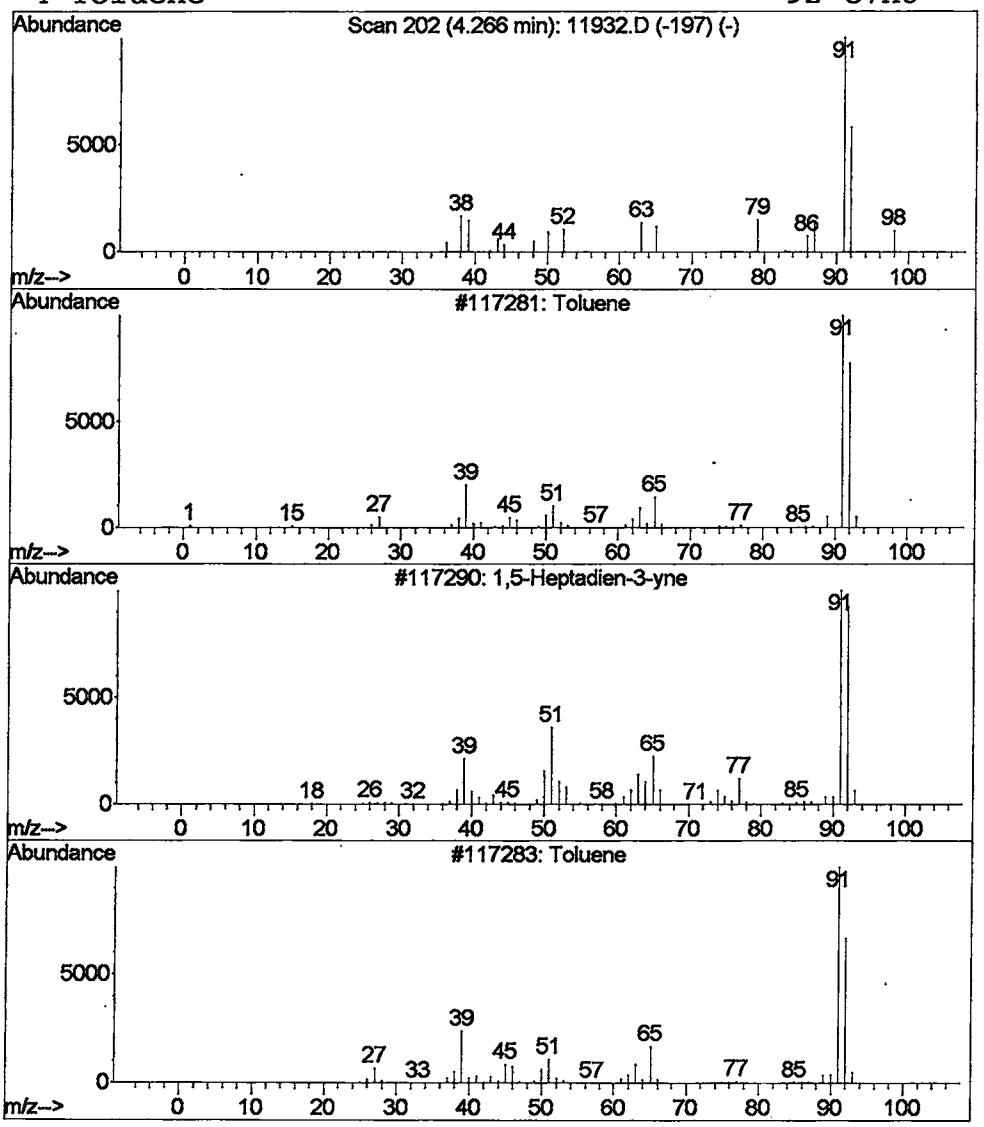
Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

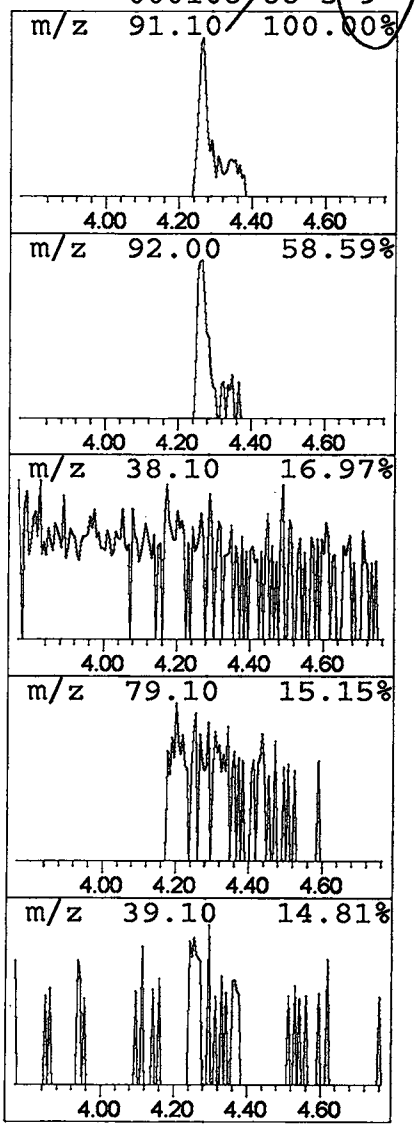
****

Peak Number 8 Toluene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.27	1.20 ug/L	818365	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Toluene	92	C7H8	000108-88-3	47
2	1,5-Heptadien-3-yne	92	C7H8	003511-27-1	47
3	Toluene	92	C7H8	000108-88-3	38
4	Toluene	92	C7H8	000108-88-3	9





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052302\11932.D Vial: 12
Acq On : 23 May 2002 6:56 pm Operator: Mclean
Sample : 5/22ad Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

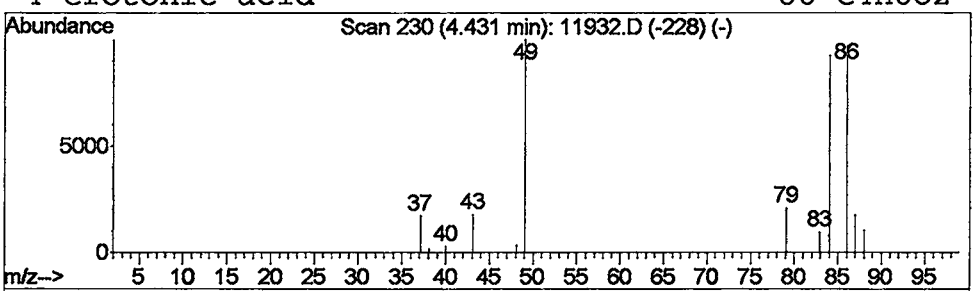
Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

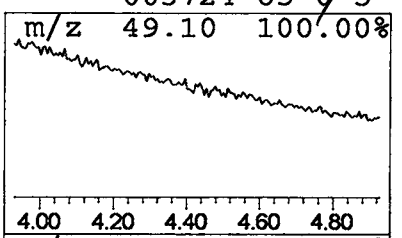
****

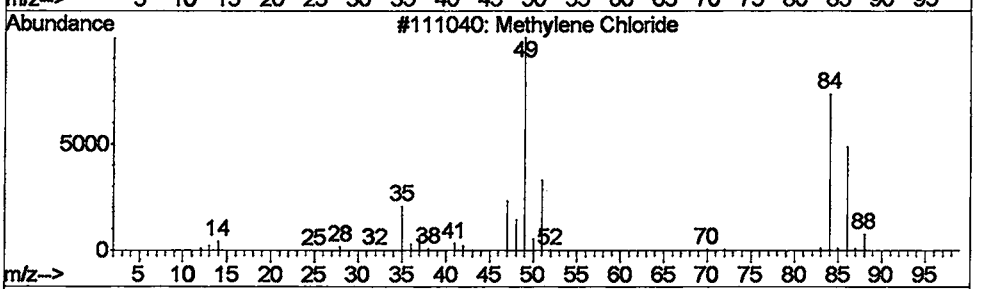
Peak Number 9 Methylene Chloride Concentration Rank 11

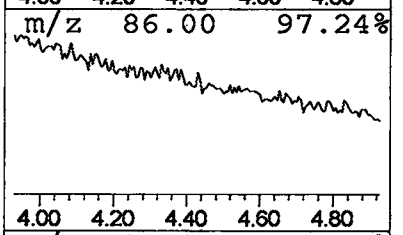
R.T.	EstConc	Area	Relative to ISTD	R.T.
4.43	0.54 ug/L	367165	1,4-Dichlorobenzene-d4	9.90

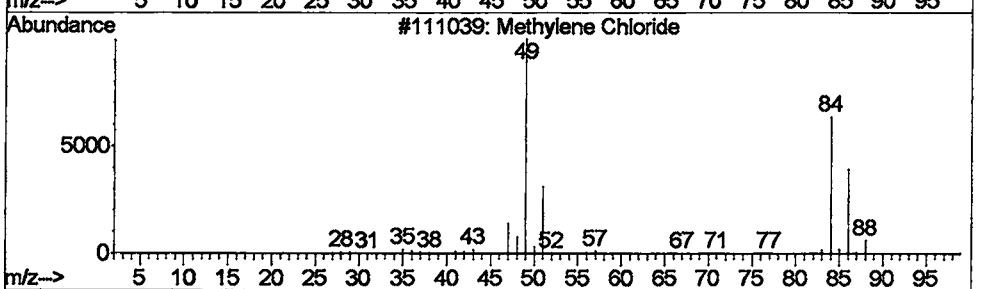
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methylene Chloride	84	CH2Cl2	000075-09-2	39
2	Methylene Chloride	84	CH2Cl2	000075-09-2	9
3	Methylene Chloride	84	CH2Cl2	000075-09-2	9
4	Crotonic acid	86	C4H6O2	003724-65-0	5

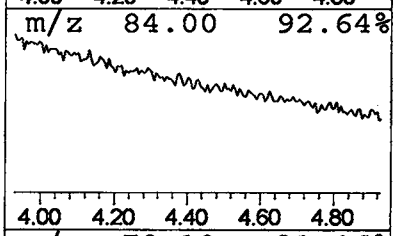


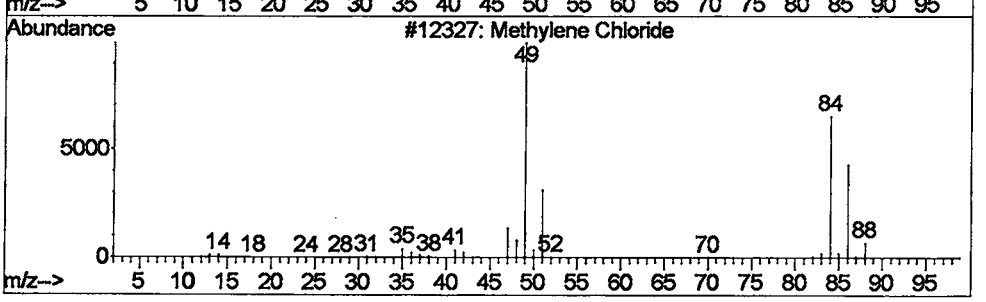


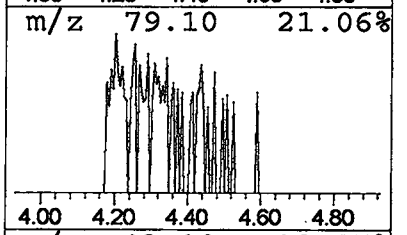


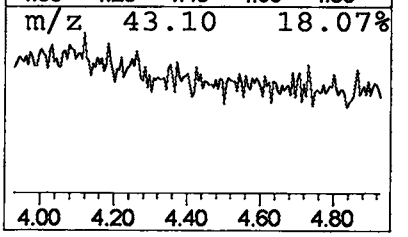












Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052302\11932.D Vial: 12
Acq On : 23 May 2002 6:56 pm Operator: Mclean
Sample : 5/22ad Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

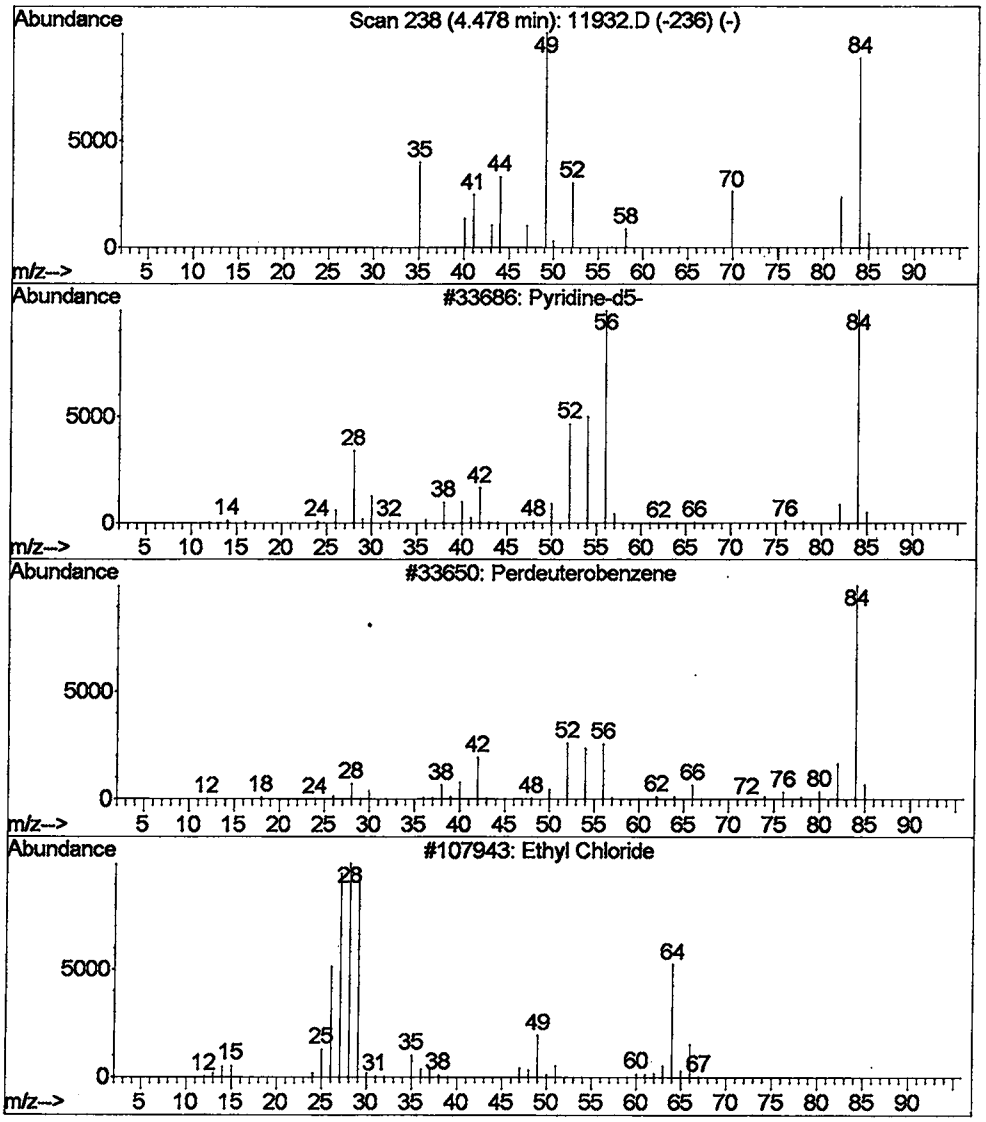
Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

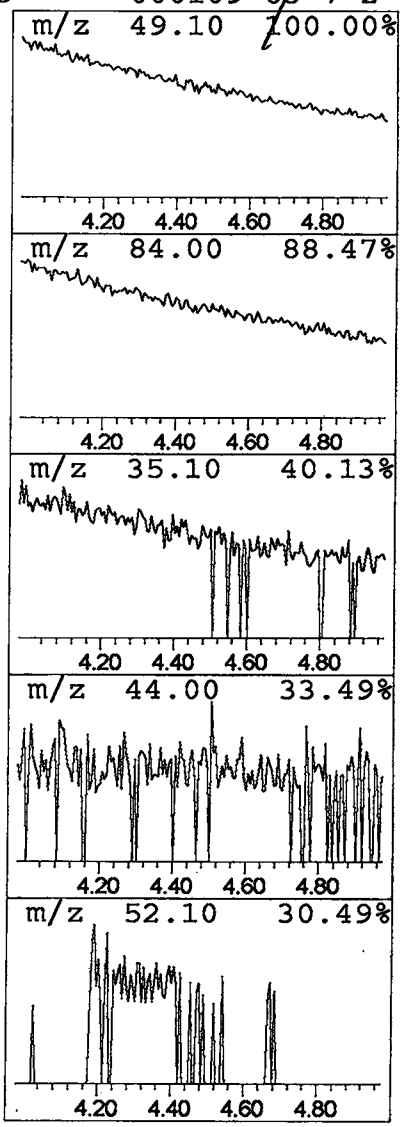
****

Peak Number 10 Pyridine-d5- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.48	0.49 ug/L	338402	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyridine-d5-	84	C5D5N	007291-22-7	7
2	Perdeuterobenzene	84	C6D6	001076-43-3	5
3	Ethyl Chloride	64	C2H5Cl	000075-00-3	2
4	Boron trifluoride etherate	142	C4H10BF3O	000109-63-7	2





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052302\11932.D Vial: 12
Acq On : 23 May 2002 6:56 pm Operator: Mclean
Sample : 5/22ad Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

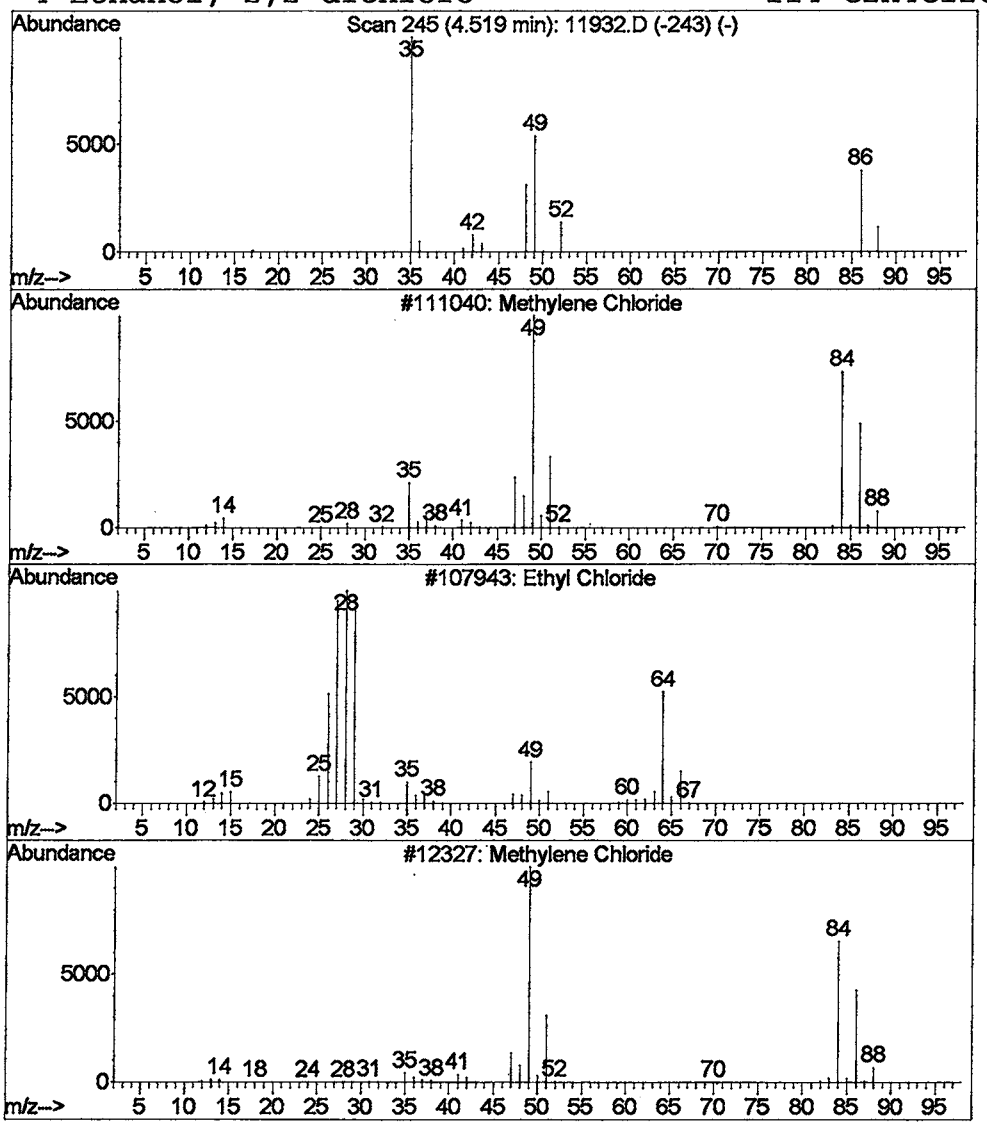
Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

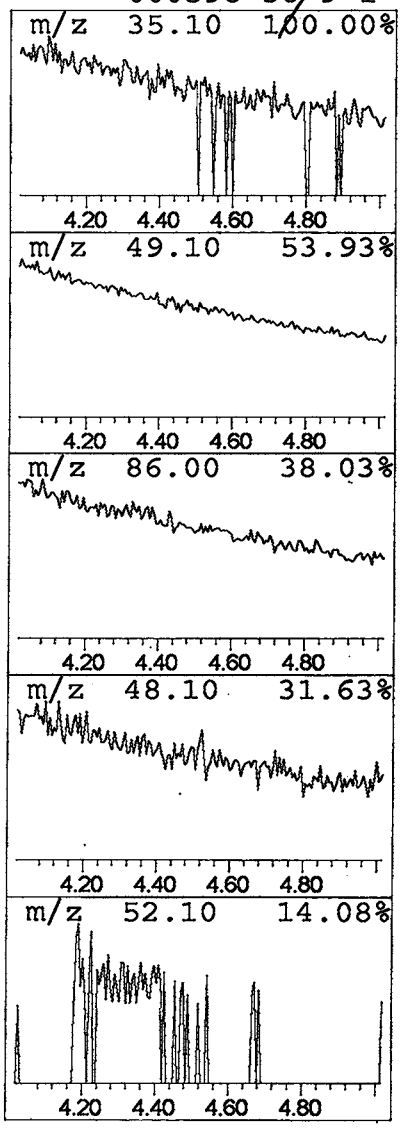
****

Peak Number 11 Methylene Chloride Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.52	0.48 ug/L	329956	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	Ethyl Chloride	64	C2H5Cl	000075-00-3	2
3	Methylene Chloride	84	CH2Cl2	000075-09-2	1
4	Ethanol, 2,2-dichloro-	114	C2H4Cl2O	000598-38-9	1





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052302\11932.D
Acq On : 23 May 2002 6:56 pm
Sample : 5/22ad
Misc :
MS Integration Params: LSCINT.e

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

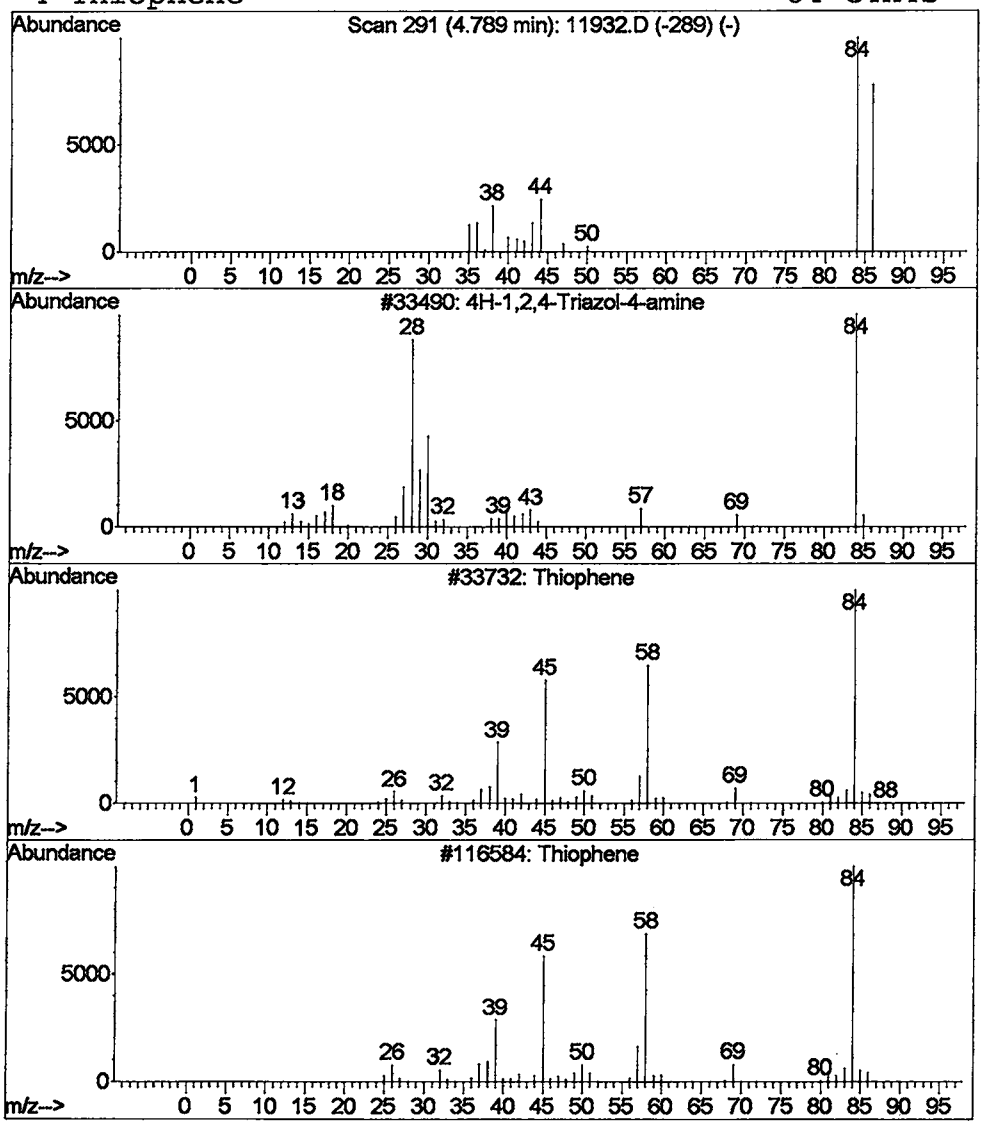
Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

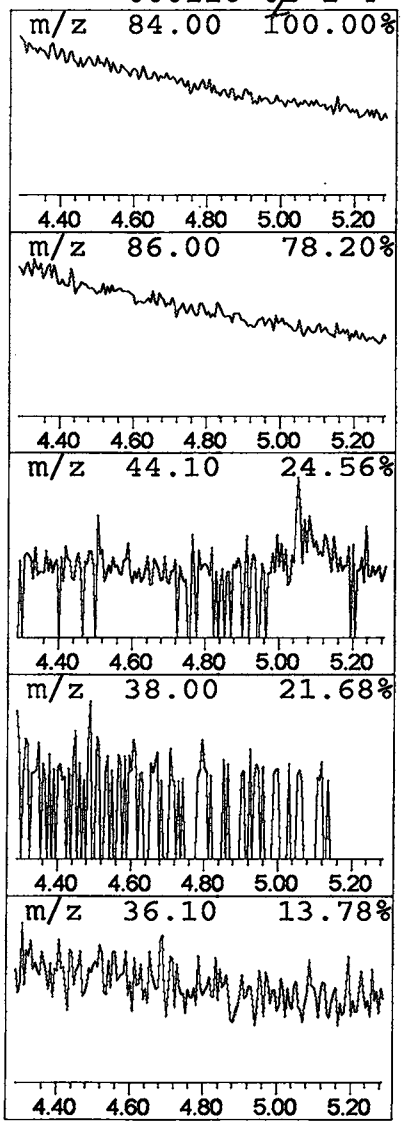
****

Peak Number 12 4H-1,2,4-Triazol-4-amine Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.79	0.31 ug/L	215422	1,4-Dichlorobenzene-d4	9.90

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





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052302\11932.D
Acq On : 23 May 2002 6:56 pm
Sample : 5/22ad
Misc :
MS Integration Params: LSCINT.e

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

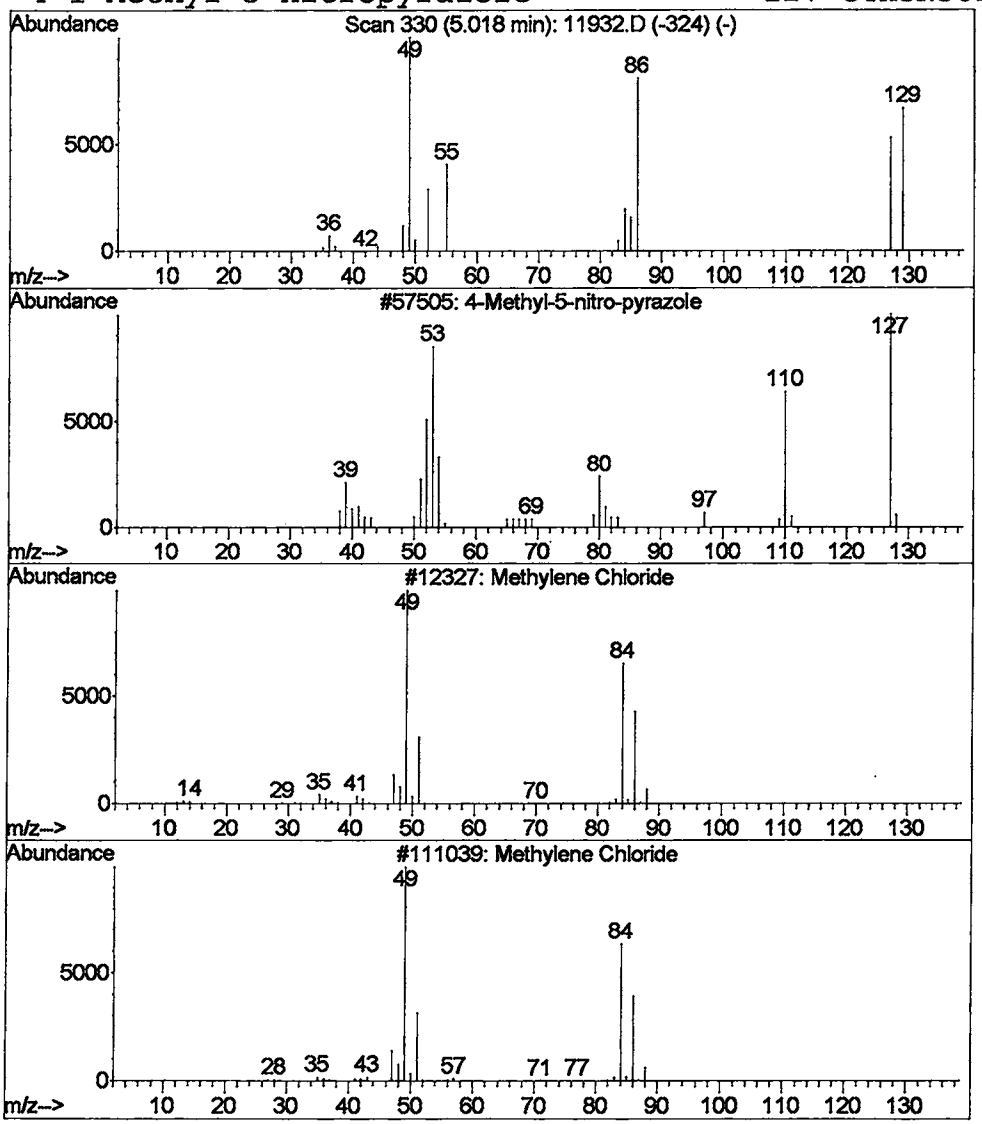
Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

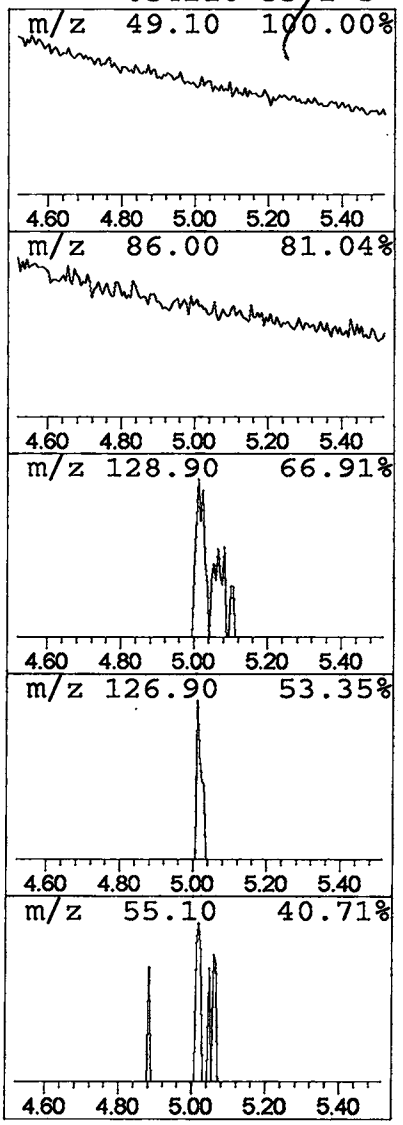
****

Peak Number 13 4-Methyl-5-nitro-pyrazole Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.02	0.29 ug/L	195483	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methyl-5-nitro-pyrazole	127	C4H5N3O2	1000146-00-9	9
2	Methylene Chloride	84	CH2Cl2	000075-09-2	9
3	Methylene Chloride	84	CH2Cl2	000075-09-2	9
4	1-Methyl-5-nitropyrazole	127	C4H5N3O2	054210-33-2	5





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052302\11932.D
Acq On : 23 May 2002 6:56 pm
Sample : 5/22ad
Misc :
MS Integration Params: LSCINT.e

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

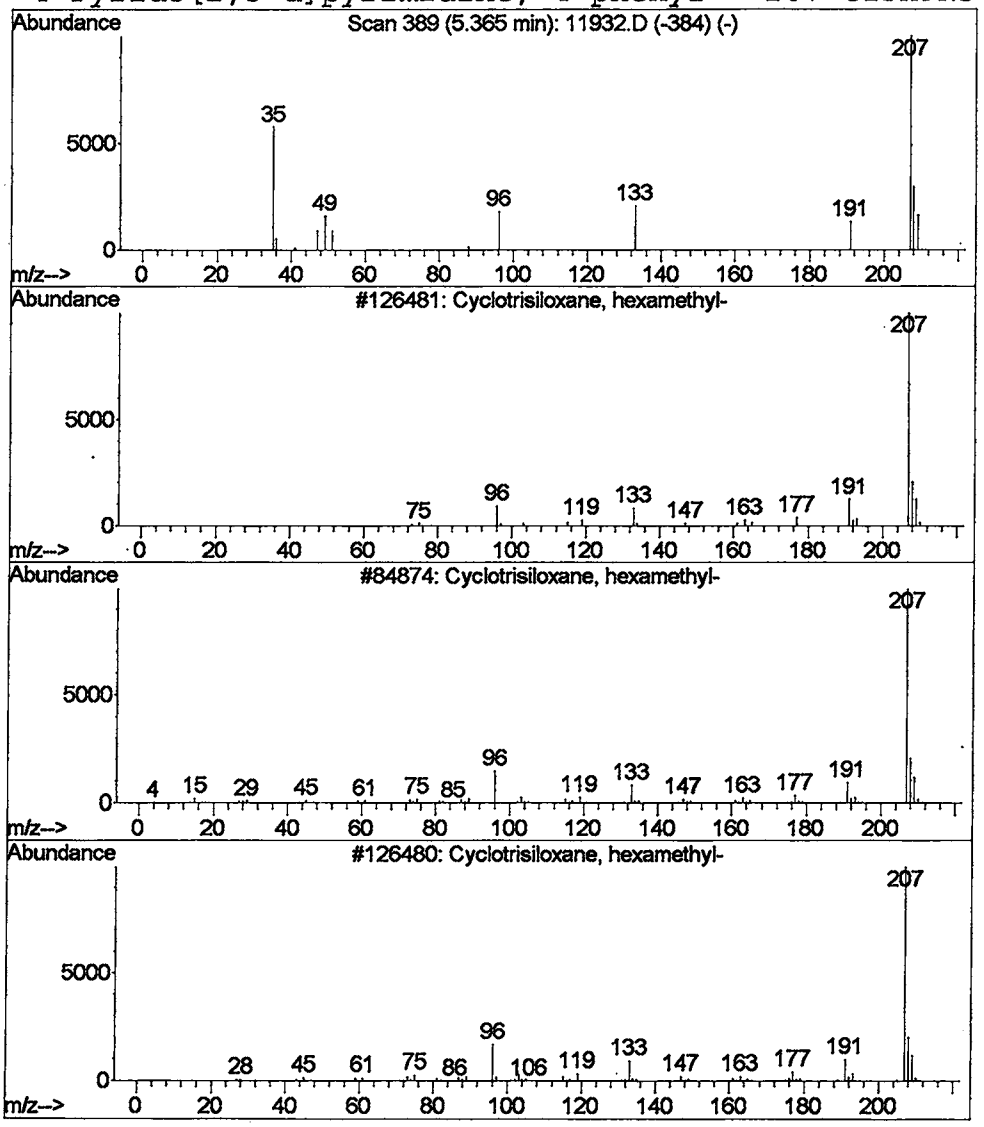
Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

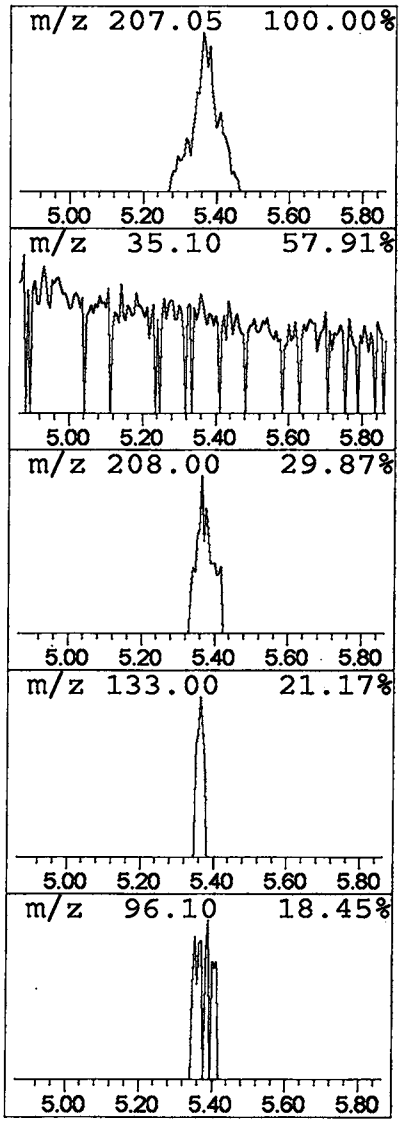
****

Peak Number 14 Cyclotrisiloxane, hexamethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.36	0.35 ug/L	241488	1,4-Dichlorobenzene-d4	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotrisiloxane, hexamethyl-	222	C6H18O3Si3	000541-05-9	64
2	Cyclotrisiloxane, hexamethyl-	222	C6H18O3Si3	000541-05-9	16
3	Cyclotrisiloxane, hexamethyl-	222	C6H18O3Si3	000541-05-9	16
4	Pyrido[2,3-d]pyrimidine, 4-phenyl-	207	C13H9N3	028732-75-4	5





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052302\11932.D
Acq On : 23 May 2002 6:56 pm
Sample : 5/22ad
Misc :
MS Integration Params: LSCINT.e

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

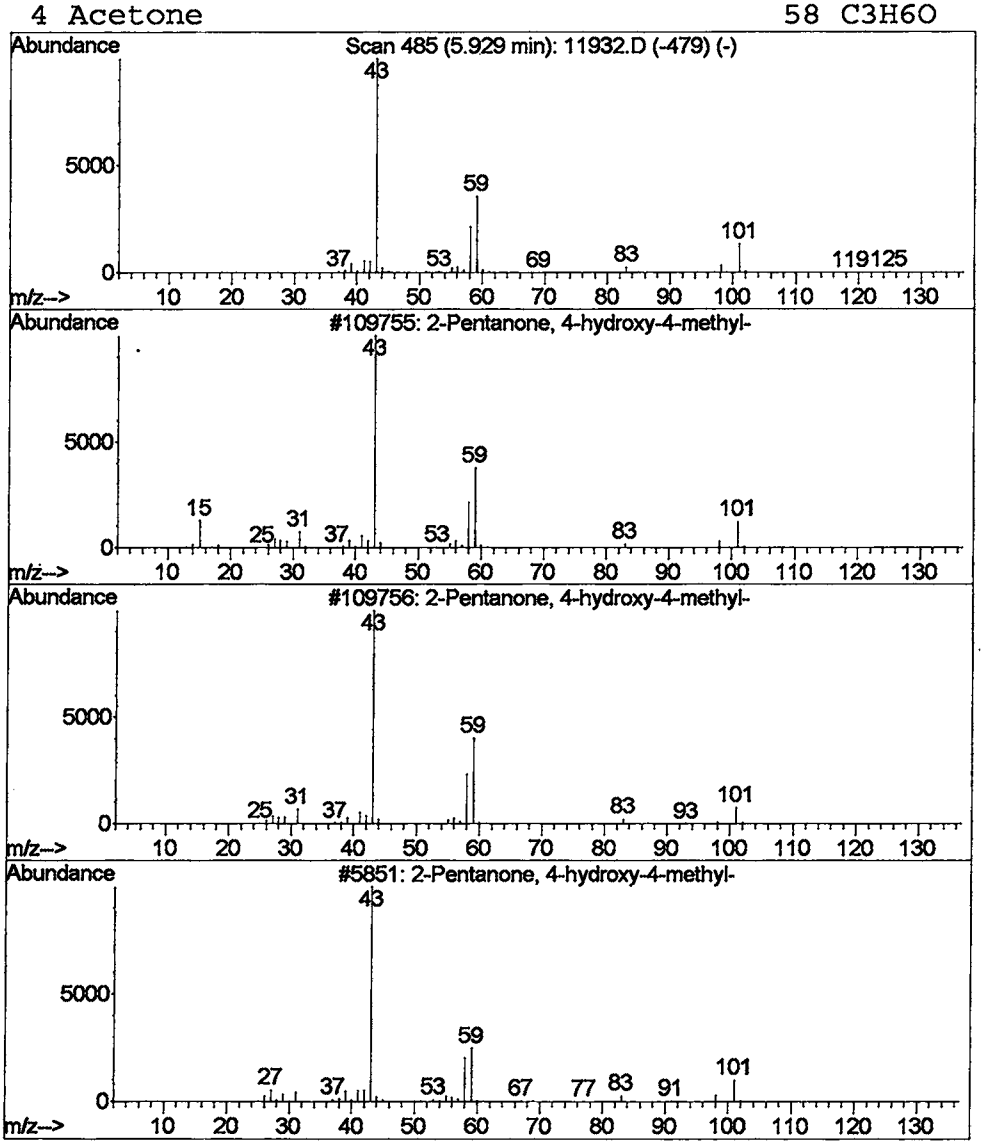
Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

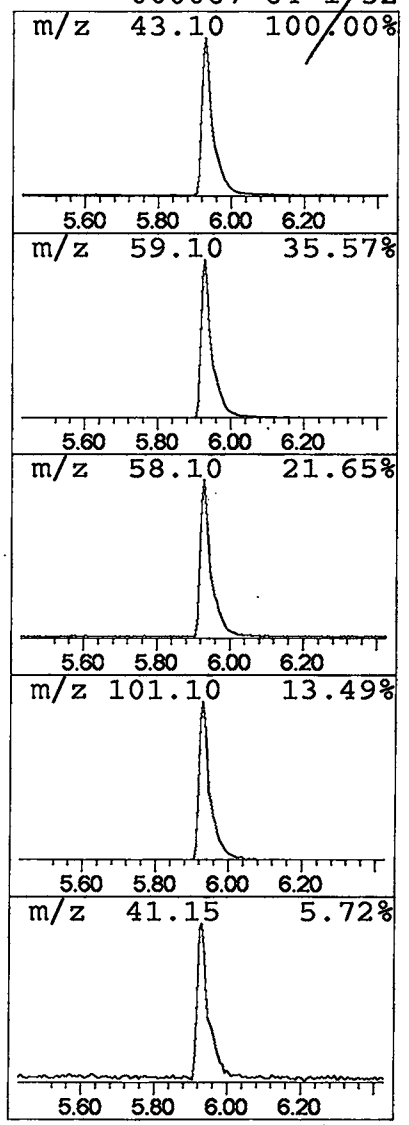
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.93	10.05 ug/L	6880160	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	64
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
4	Acetone	58	C3H6O	000067-64-1	32





NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052302\11932.D
Acq On : 23 May 2002 6:56 pm
Sample : 5/22ad
Misc :
MS Integration Params: LSCINT.e

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

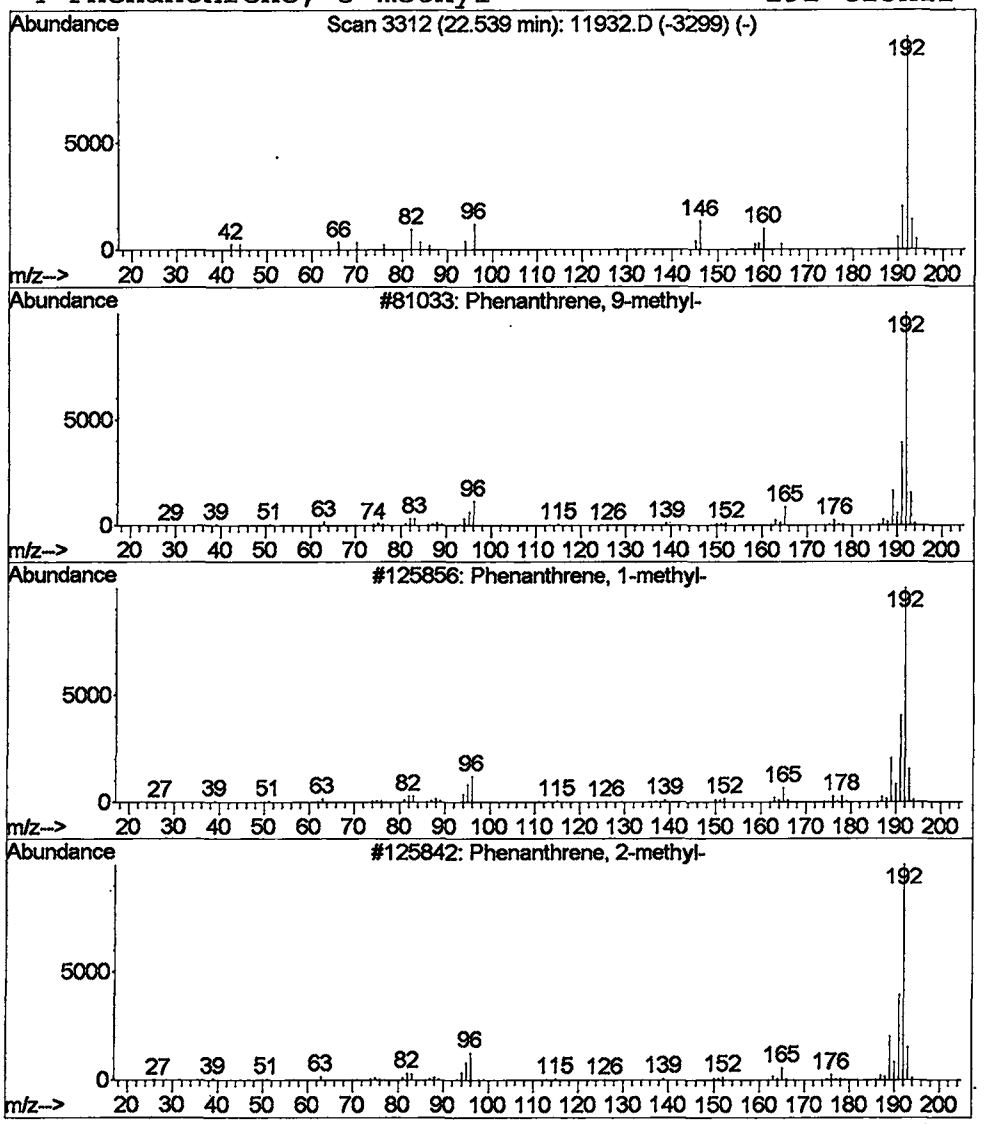
Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

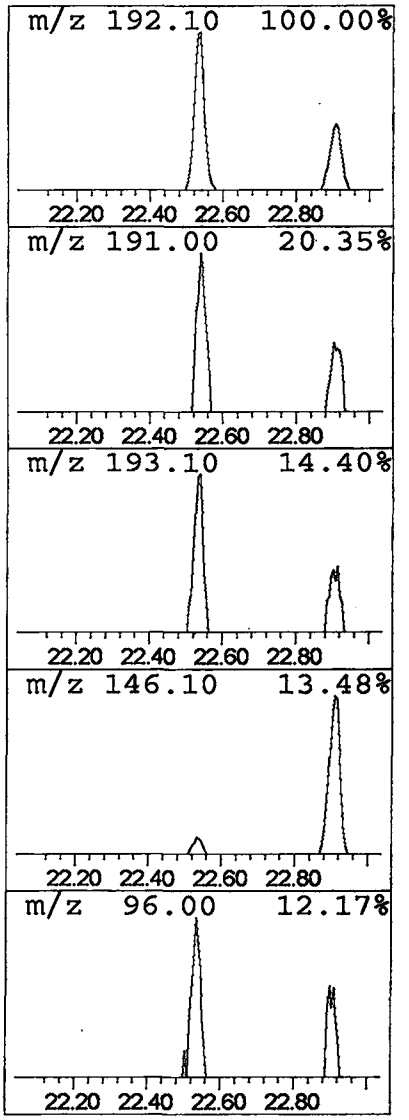
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.54	0.27 ug/L	281690	Phenanthranene-d10	22.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	53
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	53
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	53
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	42





NYC-WTC_000013690

NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052302\11932.D Vial: 12
Acq On : 23 May 2002 6:56 pm Operator: Mclean
Sample : 5/22ad Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

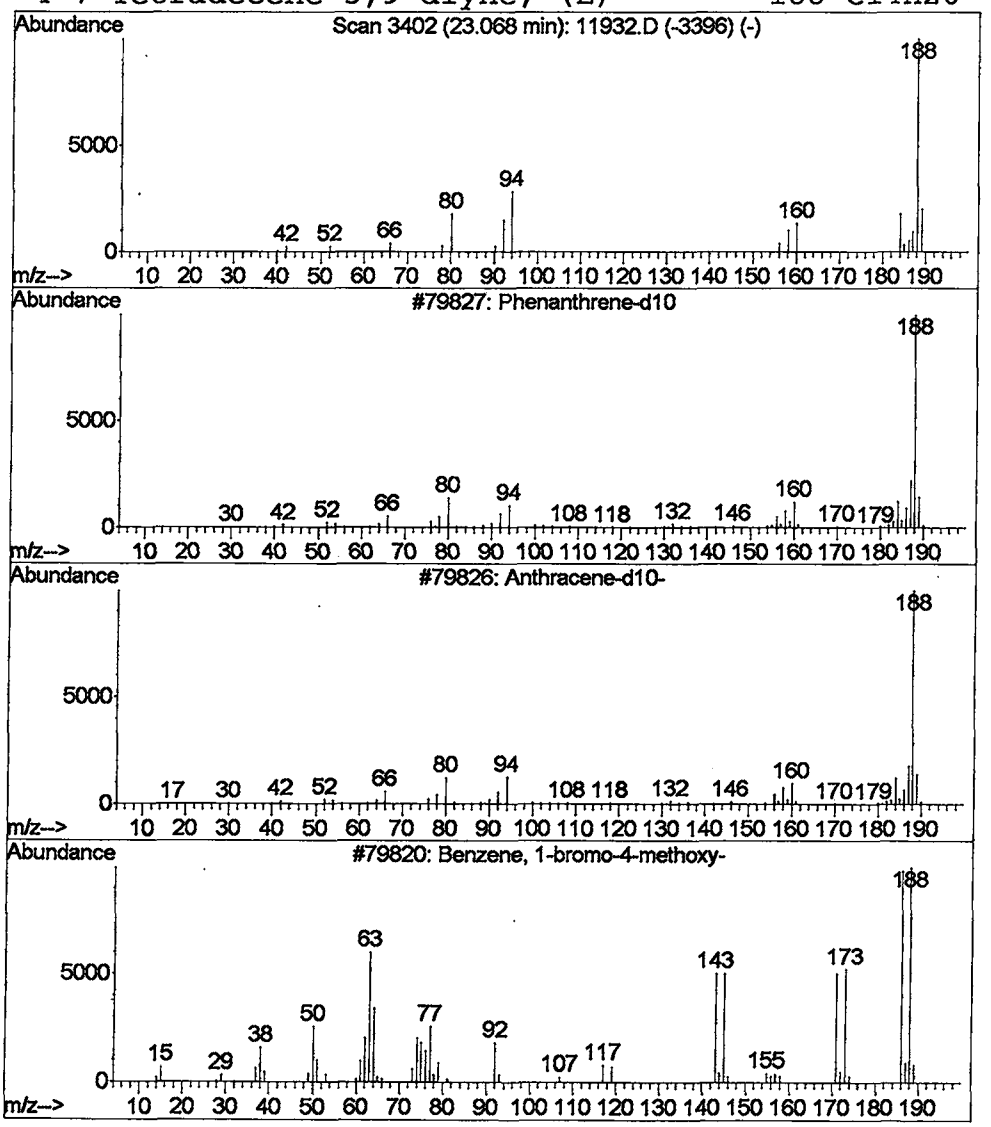
Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

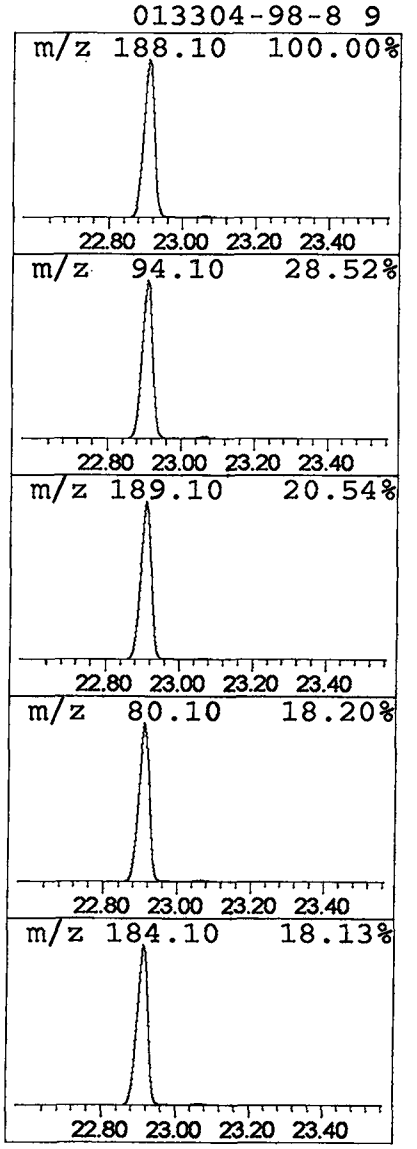
****

Peak Number 17 Phenanthrene-d10 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.07	0.24 ug/L	245226	Phenanthranene-d10	22.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene-d10	188	C14D10	001517-22-2	64
2	Anthracene-d10-	188	C14D10	001719-06-8	45
3	Benzene, 1-bromo-4-methoxy-	186	C7H7BrO	000104-92-7	43
4	7-Tetradecene-5,9-diyne, (E)-	188	C14H20	013304-98-8	9





NYC-WTC_000013691

NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052302\11932.D
Acq On : 23 May 2002 6:56 pm
Sample : 5/22ad
Misc :
MS Integration Params: LSCINT.e

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

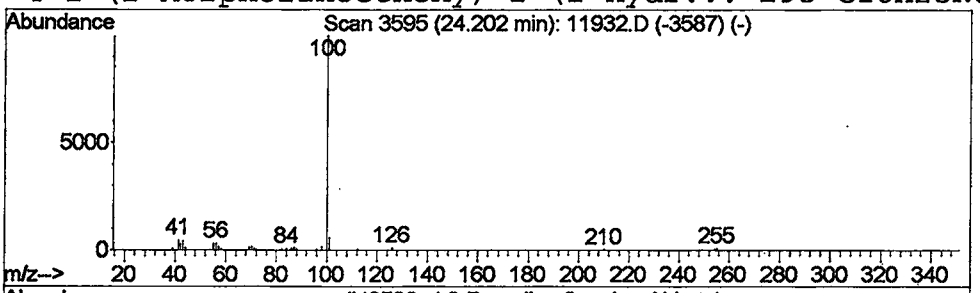
Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

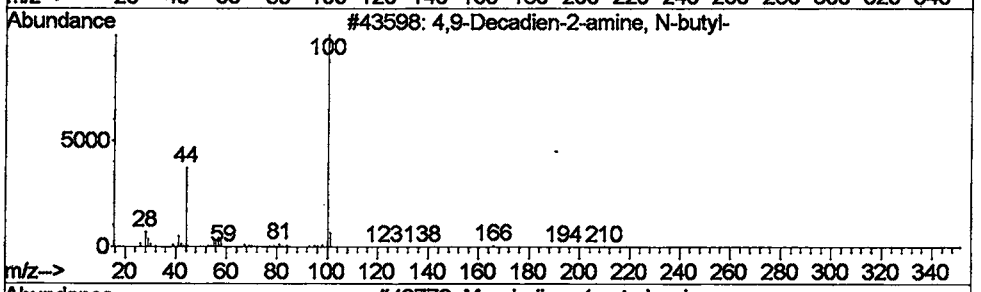
****

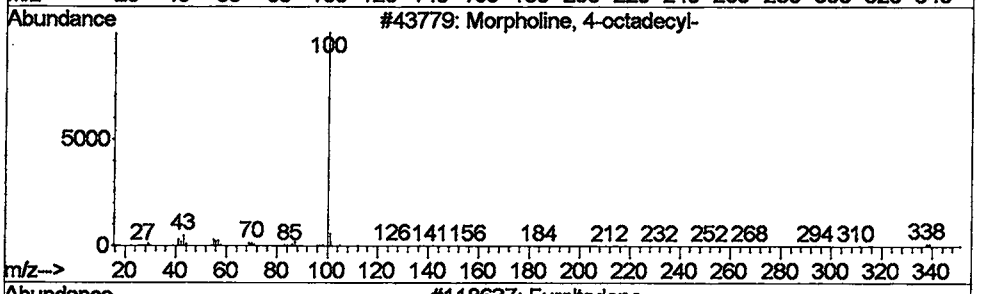
Peak Number 18 4,9-Decadien-2-amine, N-butyl- Concentration Rank 6

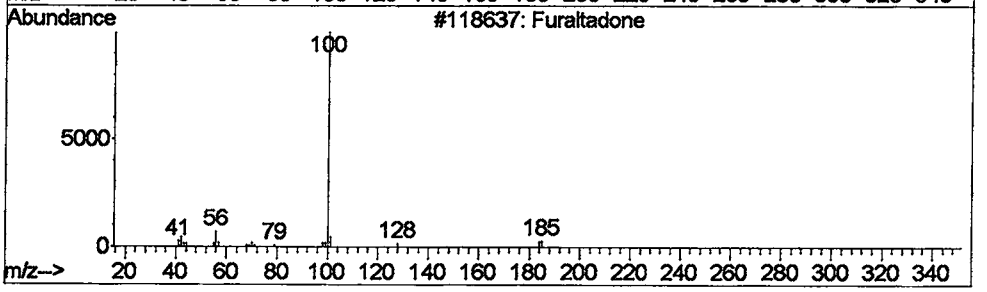
R.T.	EstConc	Area	Relative to ISTD	R.T.
24.20	0.96 ug/L	998844	Phenanthranene-d10	22.91

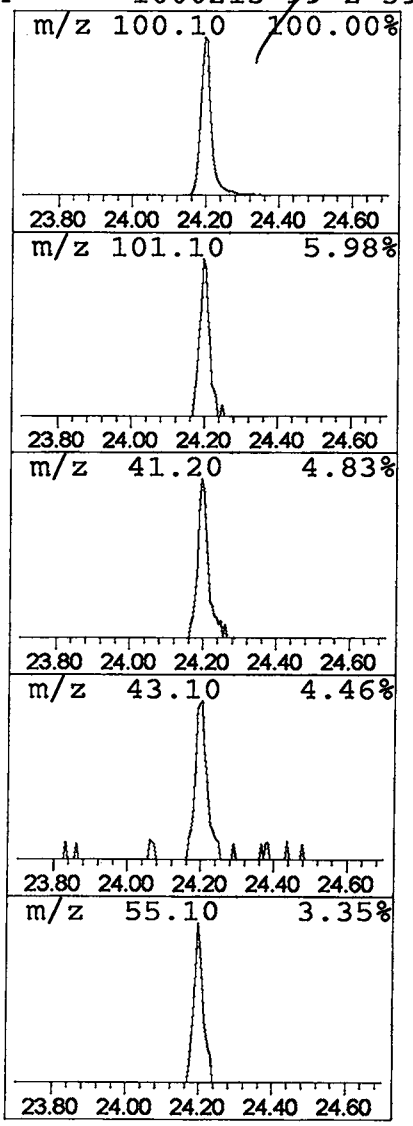
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,9-Decadien-2-amine, N-butyl-	209	C14H27N	062238-25-9	72
2	Morpholine, 4-octadecyl-	339	C22H45NO	016528-77-1	64
3	Furaltadone	324	C13H16N4O6	000139-91-3	50
4	1-(2-Morpholinoethoxy)-2-(2-hydr...	295	C16H25NO4	1000215-99-2	39











NYC-WTC_000013692

NYC 9/11 Public Portal Document

Tentatively Identified Compound (LSC) summary

Operator ID: Mclean Date Acquired: 23 May 2002 6:56 pm
Data File: C:\MSDCHEM\1\DATA\052302\11932.D
Name: 5/22ad
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
Methylene Chloride	3.72	2.3	ug/L	1585340	1	9.90	27384800	40.0
1,3-Dioxol-2-one	3.75	0.7	ug/L	466955	1	9.90	27384800	40.0
Methane, chloro-	3.77	0.7	ug/L	487108	1	9.90	27384800	40.0
Methylene Chloride	3.79	1.1	ug/L	765638	1	9.90	27384800	40.0
2-Imidazolidinone	3.83	0.7	ug/L	446472	1	9.90	27384800	40.0
Acetic acid, chlo...	3.85	0.8	ug/L	518187	1	9.90	27384800	40.0
4H-1,2,4-Triazol-...	3.88	1.8	ug/L	1225150	1	9.90	27384800	40.0
Toluene	4.27	1.2	ug/L	818365	1	9.90	27384800	40.0
Methylene Chloride	4.43	0.5	ug/L	367165	1	9.90	27384800	40.0
Pyridine-d5-	4.48	0.5	ug/L	338402	1	9.90	27384800	40.0
Methylene Chloride	4.52	0.5	ug/L	329956	1	9.90	27384800	40.0
4H-1,2,4-Triazol-...	4.79	0.3	ug/L	215422	1	9.90	27384800	40.0
4-Methyl-5-nitro-...	5.02	0.3	ug/L	195483	1	9.90	27384800	40.0
Cyclotrisiloxane,...	5.36	0.4	ug/L	241488	1	9.90	27384800	40.0
2-Pentanone, 4-hy...	5.93	10.0	ug/L	6880160	1	9.90	27384800	40.0
Phenanthrene, 9-m...	22.54	0.3	ug/L	281690	4	22.91	41564500	40.0
Phenanthrene-d10	23.07	0.2	ug/L	245226	4	22.91	41564500	40.0
4,9-Decadien-2-am...	24.20	1.0	ug/L	998844	4	22.91	41564500	40.0

NYC-WTC_000013693

NYC 9/11 Public Portal Document

Westchester gov.com

ENVIRONMENTAL SERVICES SAMPLE SUBMISSION FORM
WESTCHESTER COUNTY LABORATORIES AND RESEARCH

2 Dana Road, Valhalla, New York 10595
(914) 231-1620 Fax (914) 231-1772

ACCREDITED IN ACCORDANCE WITH nelac
NYS-ELAP No. 10108
Form A-70 (rev.10/01)

Time/Date Set:

Sample Type (circle one):
1. Potable 3. Non Potable *Treated*
2. Non Potable 4. Other _____

Time/Date Collected: 9:55am 5/15/02
Collected By: B. Gertsik Agency Code: _____

Collected From:
Location's/Individual's Name 15061
Street _____
City/St/Zip _____
Identification of Source _____
Collection Point 79550

Bottle #'s: C 2027, P 368, P 773, Q 435, Q 1364
Chain of Custody? ___ Yes ___ No
Comments: _____
PWS #: _____ Source ID: _____ Type Descriptor: _____

Bill to:
Name/Company _____
Street _____
City/St/Zip _____
Phone#: _____ Fax#: _____

CA,CH, BI? _____ Check#: _____ Amount$_____

BACTERIOLOGICAL ANALYSIS
Lab#: _____
___ Heterotrophic Plate Count (hemodialysis & all others)
___ Coliform P/A (Public supplies)
___ Coliform MPN (priv well, raw, stp)
___ Fecal Coliform (all samples)
___ Microscopic
___ Macroscopic
___ API
___ Other: _____

Refrigerated? ___ yes ___ no
Chlorinated:? ___ yes ___ no
Free Chlorine Res:_____ mg/L
Total Chlorine Res: _____ mg/L
pH _____

RADIOCHEMICAL ANALYSIS
___ Radon
___ Other _____

Lab#: _____

ORGANIC POTABLE ANALYSIS
___ Trihalomethanes (524)
___ Volatile Halocarbons (524)
___ Volatile Aromatics (524)
___ Total Trihalomethane Potential (510)
___ Microextractables (504)
___ Pesticides/PCB screen (508)
___ PCB as Decachlorobiphenyl (508A)
___ Herbicides (515)
___ Pesticides (525)
___ Carbamate Pesticides (531)
___ Glyphosate (547)
___ Diquat (549)
___ Chlorination Disinfection Byproducts (551)
___ Haloacetic Acids (552)
___ Other Pesticides (SM18/6630)
___ UCMR List 1
___ MtBE Only (524)

ORGANIC NONPOTABLE/ SOLID ANALYSIS
___ Purgeable Halocarbons (624/8260)
___ Purgeable Aromatics (624/8260)
___ Acrolein & Acrylonitrile (8260)
___ Organochlorine Pesticides (608/8081)
___ PCB's (Arochlors) (608/8081)
___ Herbicides (SM18/6630,8151)
___ Other Pesticides (SM18/6630)
___ Petroleum Hydrocarbon Scan (310-13)
___ Glycols in Water
___ Acid Extractables (625/8270)
___ Base Neutral Extractables (625/8270)
✓ GC/MS Unknown Scan
___ Phthalates (606MS)
___ Other: _____

INORGANIC ANALYSIS REQUESTED - Lab#: 11932

___ Color
___ Turbidity
___ pH
___ Conductivity
___ Corrosivity (temp:_____°C)
___ BOD (5 day)
___ Carbonaceous BOD (5 day)
___ Soluble BOD (5 day)
___ Chemical Oxygen Demand
___ Dissolved Oxygen
___ Total Organic Carbon
___ Total Organic Halides
___ Solids, Percent (%)
___ Solids, Settleable
___ Solids, Suspended
___ Solids, Total
___ Solids, Total Dissolved
___ Solids, Total Volatile
✓ Other: 27

___ Acidity
___ Alkalinity
___ Bromide
___ Bromate/Chlorate/Chlorite
___ Chloride
___ Cyanide
___ Fluoride
___ Hardness, Total as $CaCO_3$
___ Nitrogen, Ammonia as N
___ Nitrogen, Nitrate as N
___ Nitrogen, Nitrite as N
___ Nitrogen, Total Kjeldahl as N
___ Oil and Grease
___ Phenol
___ Phosphorus Total as P
___ Phosphorus, Ortho as P
___ Sulfates
___ Surfactants
___ UV254

✓ Aluminum
✓ Antimony
✓ Arsenic
✓ Barium
✓ Beryllium
___ Boron
___ Cadmium
___ Calcium, as $CaCO_3$
___ Calcium, Ca^{+2}
✓ Chromium, Total
___ Chromium, Hexavalent
✓ Cobalt
✓ Copper
✓ Iron
✓ Lead
___ Magnesium
✓ Manganese
✓ Mercury
✓ Molybdenum
✓ Nickel

___ Potassium
✓ Selenium
✓ Silver
___ Sodium
✓ Thallium
___ Vanadium
✓ Zinc

CLP
___ Metals/CN
___ Volatiles
___ Semi-violatiles
___ Pesticides/PCB's

TCLP
___ TCLP-Metals
___ TCLP-Pesticides
___ TCLP-Herbicides
___ TCLP-Volatiles
___ TCLP-BNA's