LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY070620\
Data File : VY003110.D
Acq On : 06 Jul 2020 14:01
Operator : SY/MD
Sample : L3217-02
Misc : 5.15G/5ML/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : E3-41-NHS

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.511	769	783	805	rVB	2758163	7986820	5.89%	3.558%
2	8.894	1160	1174	1211	rBV	16626778	135587881	100.00%	60.402%
3	10.181	1379	1385	1390	rBV	824097	1389778	1.03%	0.619%
4	10.242	1390	1395	1409	rVB	1023905	1815835	1.34%	0.809%
5	11.248	1554	1560	1575	rVB	3056575	5559284	4.10%	2.477%
6	11.473	1588	1597	1609	rBV2	1158632	3210688	2.37%	1.430%
7	11.632	1617	1623	1628	rBV	4730693	7868319	5.80%	3.505%
8	12.619	1773	1785	1790	rBV	2031610	3344490	2.47%	1.490%
9	12.729	1798	1803	1807	rBV2	1345471	2365230	1.74%	1.054%
10	12.808	1812	1816	1822	rVB3	1810122	2882342	2.13%	1.284%
11	12.888	1825	1829	1836	rVB	2429469	3518412	2.59%	1.567%
12	13.052	1850	1856	1861	rBV	6621404	10376604	7.65%	4.623%
13	13.113	1861	1866	1872	rVB2	2757592	5011617	3.70%	2.233%
14	13.217	1878	1883	1890	rBV2	2407039	4413832	3.26%	1.966%
15	13.388	1903	1911	1914	rBV5	565074	1501665	1.11%	0.669%
16	13.485	1921	1927	1932	rBV4	621926	1416558	1.04%	0.631%
17	13.625	1946	1950	1954	rVV2	1711679	2618553	1.93%	1.167%
18	13.741	1964	1969	1975	rVB2	3746509	6273346	4.63%	2.795%
19	13.918	1993	1998	2003	rVB	6427984	8742565	6.45%	3.895%
20	15.253	2211	2217	2225	rVB	2298685	3752483	2.77%	1.672%
21	15.619	2270	2277	2286	rVB2	1892268	3437054	2.53%	1.531%
22	15.741	2291	2297	2301	rVV	802131	1403267	1.03%	0.625%

Sum of corrected areas: 224476623

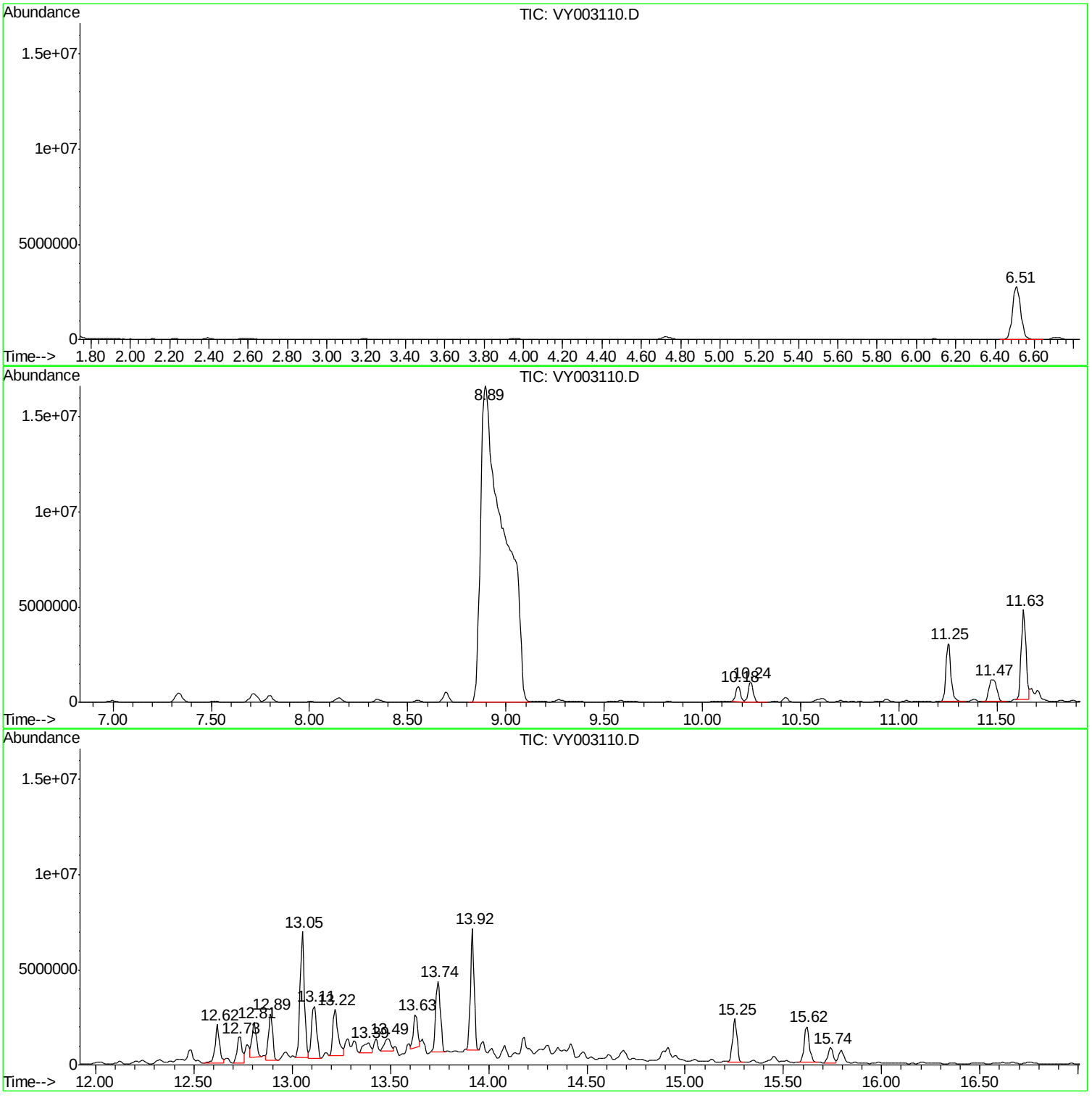
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY070620\
Data File : VY003110.D
Acq On : 06 Jul 2020 14:01
Operator : SY/MD
Sample : L3217-02
Misc : 5.15G/5ML/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
E3-41-NHS

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY070620\
Data File : VY003110.D
Acq On : 06 Jul 2020 14:01
Operator : SY/MD
Sample : L3217-02
Misc : 5.15G/5ML/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : E3-41-NHS

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
Quant Title : SW846 8260

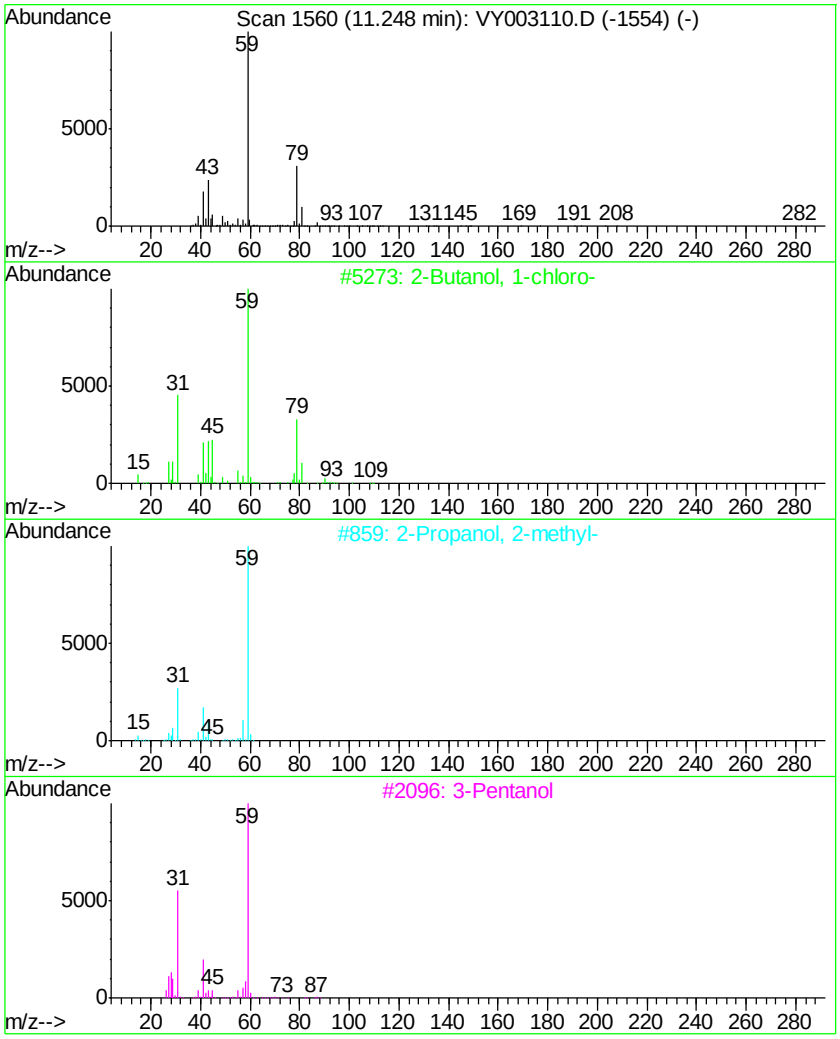
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

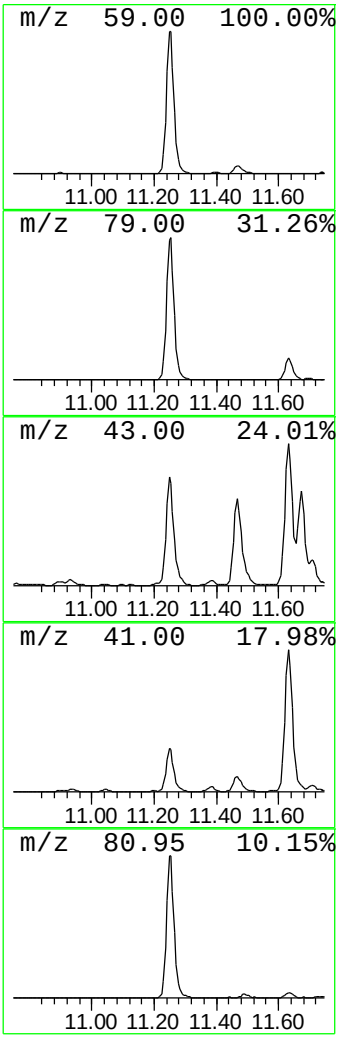
****

Peak Number 1 2-Butanol, 1-chloro- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.25	86.57 ug/l	5559280	Chlorobenzene-d5	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butanol, 1-chloro-	108	C4H9ClO	001873-25-2	64
2	2-Propanol, 2-methyl-	74	C4H10O	000075-65-0	38
3	3-Pentanol	88	C5H12O	000584-02-1	28
4	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	10
5	2-Pentanol, 2,4-dimethyl-	116	C7H16O	000625-06-9	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY070620\
Data File : VY003110.D
Acq On : 06 Jul 2020 14:01
Operator : SY/MD
Sample : L3217-02
Misc : 5.15G/5ML/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : E3-41-NHS

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
Quant Title : SW846 8260

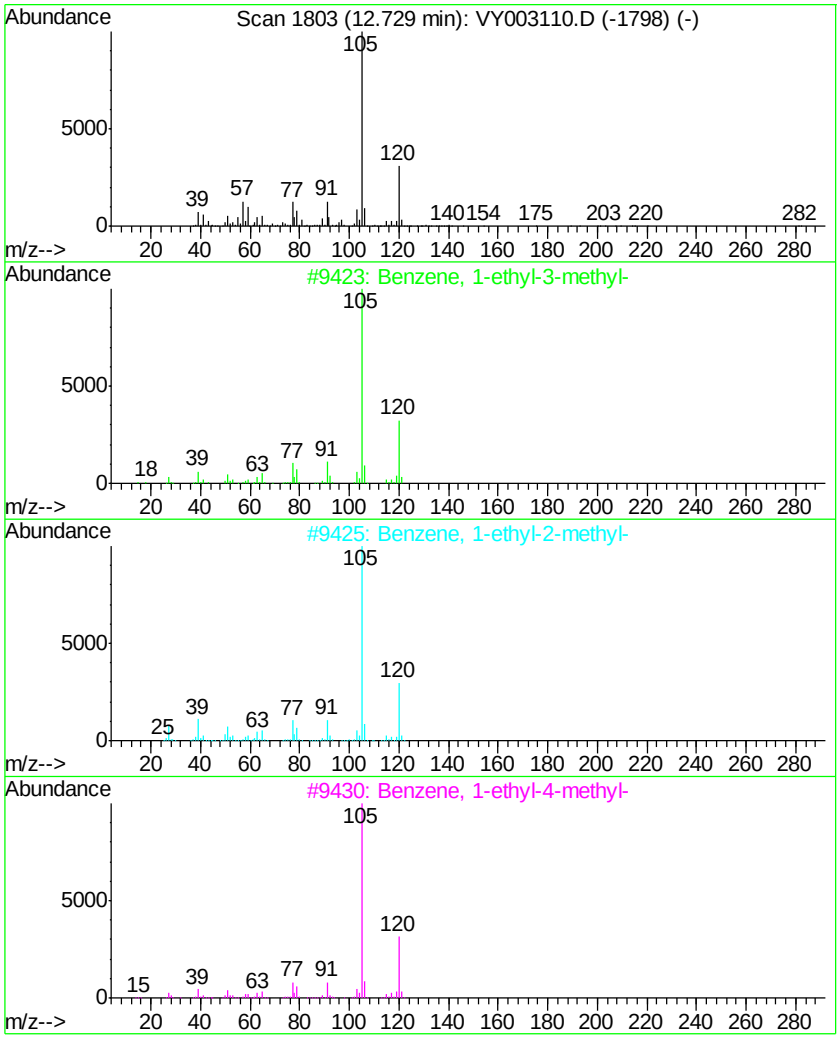
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

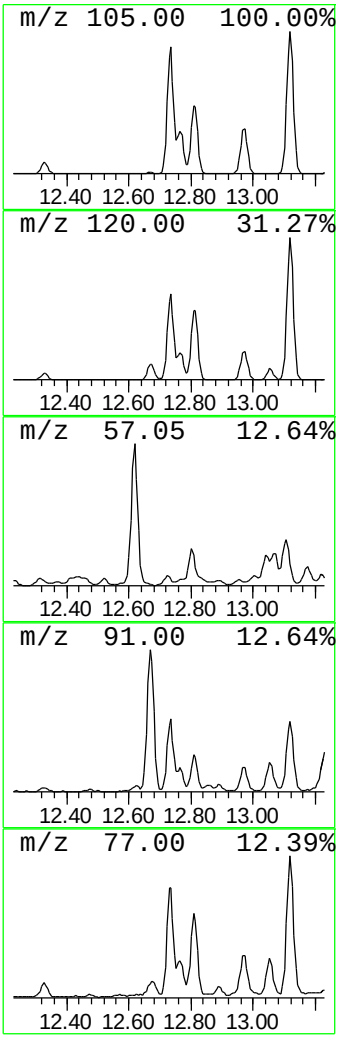
****

Peak Number 2 Benzene, 1-ethyl-3-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.73	78.75 ug/l	2365230	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	93
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	81
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	81
5	Mesitylene	120	C9H12	000108-67-8	81





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY070620\
Data File : VY003110.D
Acq On : 06 Jul 2020 14:01
Operator : SY/MD
Sample : L3217-02
Misc : 5.15G/5ML/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : E3-41-NHS

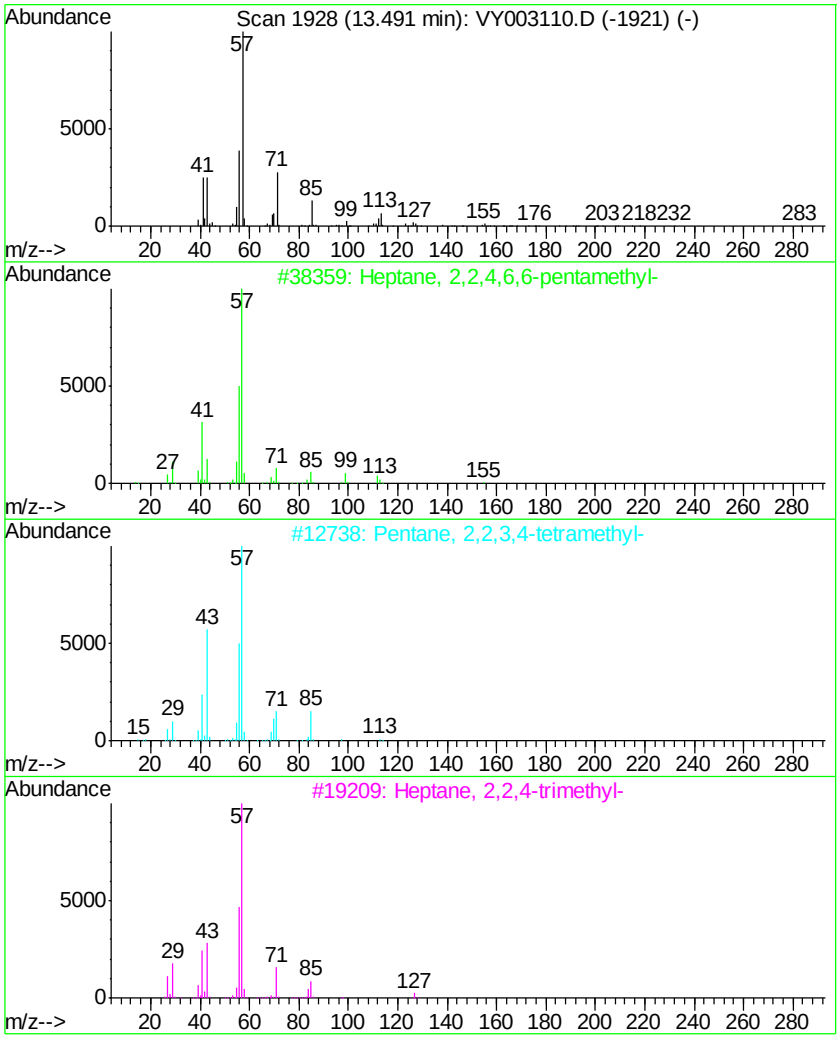
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
Quant Title : SW846 8260

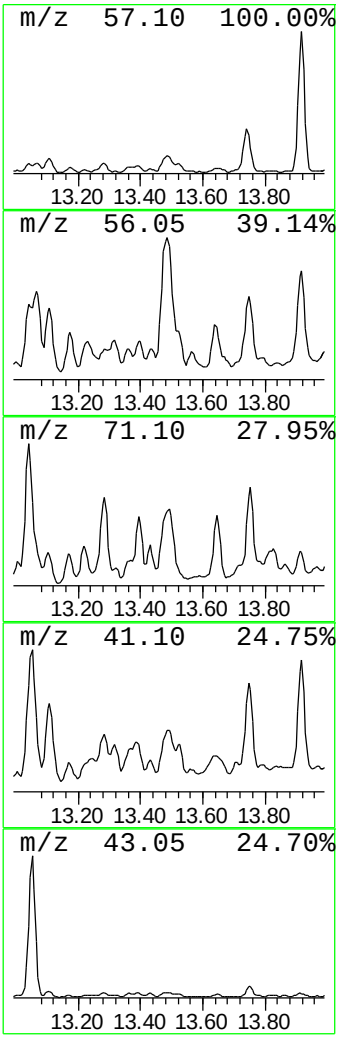
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Heptane, 2,2,4,6,6-pentamet... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	47.17 ug/l	1416560	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	59
2	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	53
3	Heptane, 2,2,4-trimethyl-	142	C10H22	014720-74-2	53
4	Decane, 2,6,6-trimethyl-	184	C13H28	062108-24-1	47
5	Octane, 2,2-dimethyl-	142	C10H22	015869-87-1	47





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY070620\
Data File : VY003110.D
Acq On : 06 Jul 2020 14:01
Operator : SY/MD
Sample : L3217-02
Misc : 5.15G/5ML/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : E3-41-NHS

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
Quant Title : SW846 8260

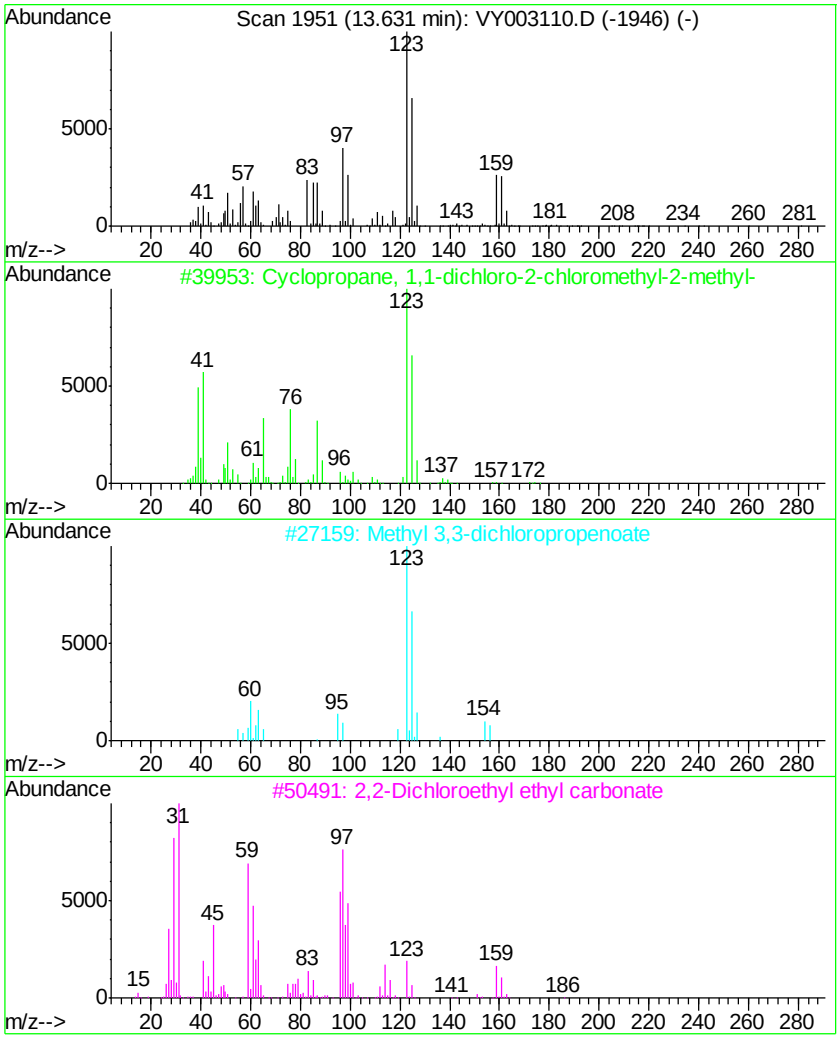
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

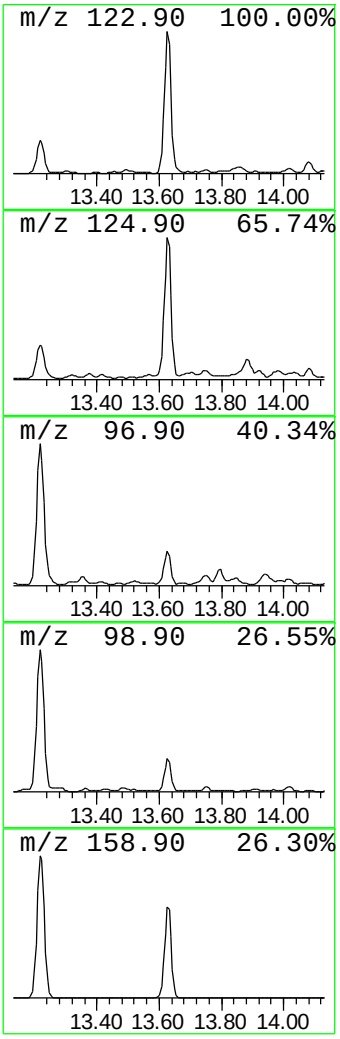
****

Peak Number 6 unknown13.63 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.63	87.19 ug/l	2618550	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,1-dichloro-2-chl...	172	C5H7Cl3	015997-19-0	35
2	Methyl 3,3-dichloropropenoate	154	C4H4Cl2O2	002257-46-7	32
3	2,2-Dichloroethyl ethyl carbonate	186	C5H8Cl2O3	1000373-78-3	16
4	1-Propene, 3,3,3-trichloro-2-met...	158	C4H5Cl3	004749-27-3	16
5	5-(4-Chlorobenzylidene)-3-(4-flu...	377	C17H9ClFNO2S2	1000223-15-4	10





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY070620\
Data File : VY003110.D
Acq On : 06 Jul 2020 14:01
Operator : SY/MD
Sample : L3217-02
Misc : 5.15G/5ML/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : E3-41-NHS

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
Quant Title : SW846 8260

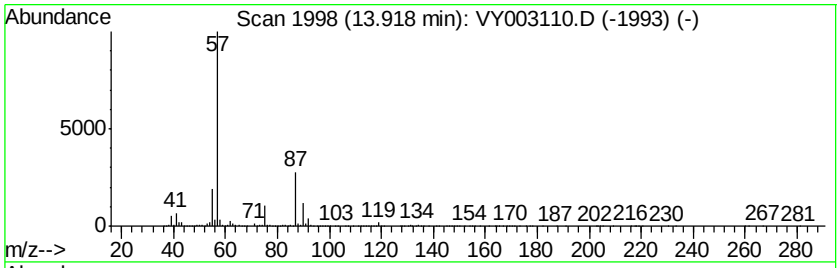
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

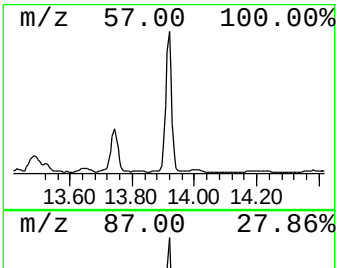
****

Peak Number 7 unknown13.92 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.92	291.10 ug/l	8742570	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetaldehyde, O-ethyloxime-	87	C4H9NO	1000288-34-6	22
2	Butane, 1-chloro-2-methyl-	106	C5H11Cl	000616-13-7	9
3	Sulfurous acid, butyl isobutyl e...	194	C8H18O3S	1000309-17-0	9
4	Formic acid, 3,3-dimethylbut-2-y...	130	C7H14O2	1000368-20-5	9
5	Morpholine	87	C4H9NO	000110-91-8	5





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY070620\
Data File : VY003110.D
Acq On : 06 Jul 2020 14:01
Operator : SY/MD
Sample : L3217-02
Misc : 5.15G/5ML/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : E3-41-NHS

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
Quant Title : SW846 8260

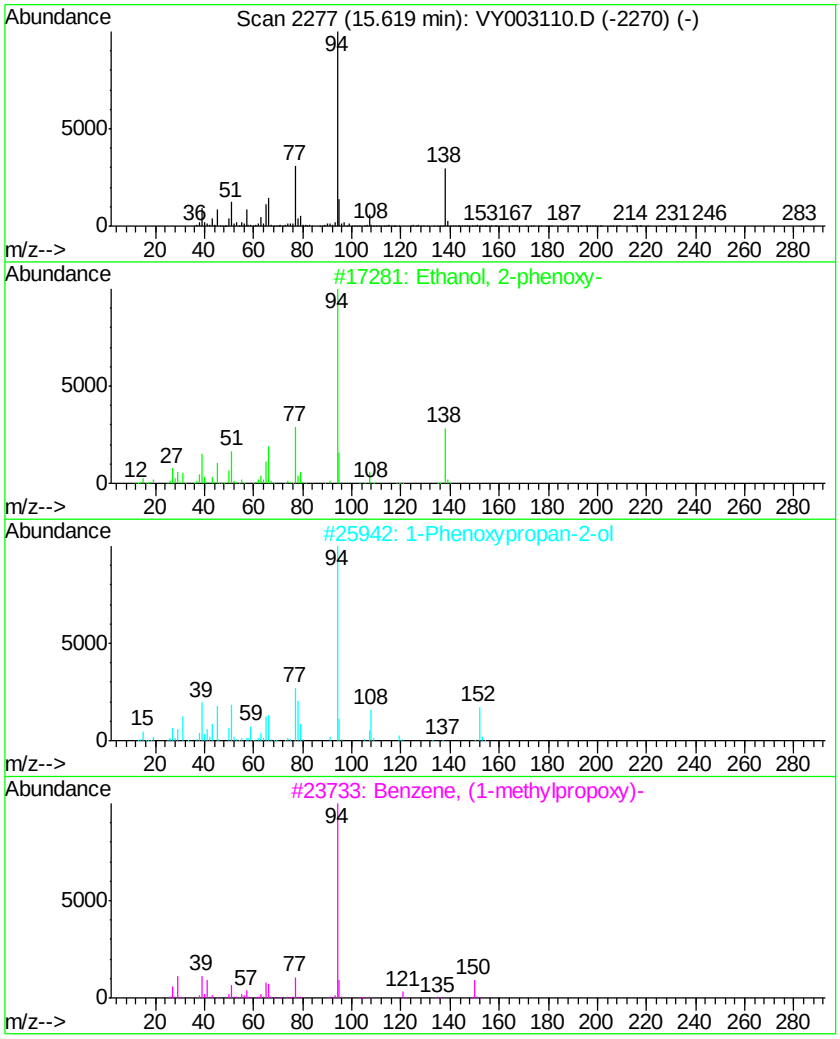
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

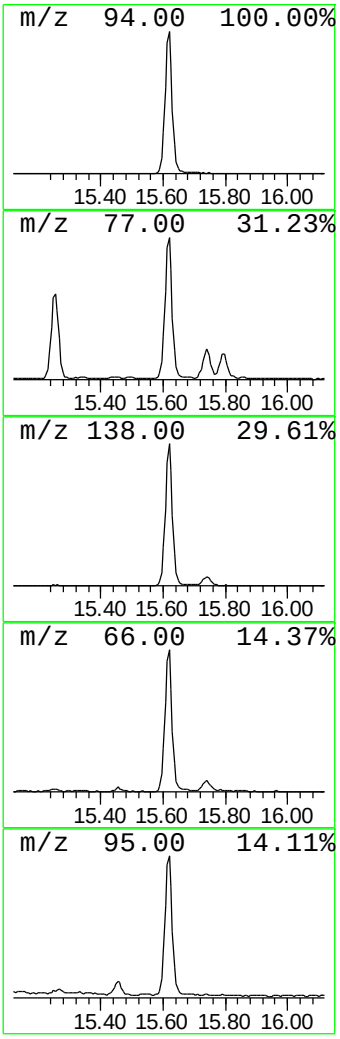
****

Peak Number 8 Ethanol, 2-phenoxy- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.62	114.44 ug/l	3437050	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-phenoxy-	138	C8H10O2	000122-99-6	95
2	1-Phenoxypropan-2-ol	152	C9H12O2	000770-35-4	72
3	Benzene, (1-methylpropoxy)-	150	C10H14O	010574-17-1	59
4	Benzene, (1,1-dimethylethoxy)-	150	C10H14O	006669-13-2	53
5	1-Propanol, 3-phenoxy-	152	C9H12O2	006180-61-6	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY070620\
Data File : VY003110.D
Acq On : 06 Jul 2020 14:01
Operator : SY/MD
Sample : L3217-02
Misc : 5.15G/5ML/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : E3-41-NHS

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
Quant Title : SW846 8260

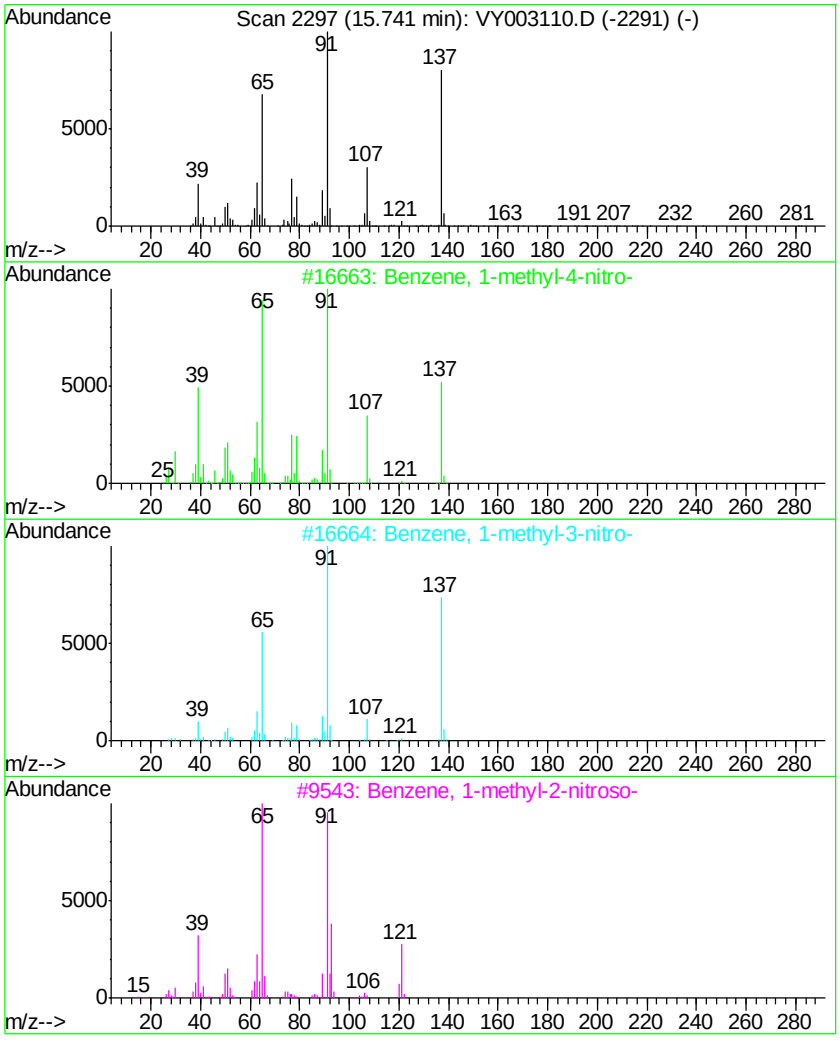
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

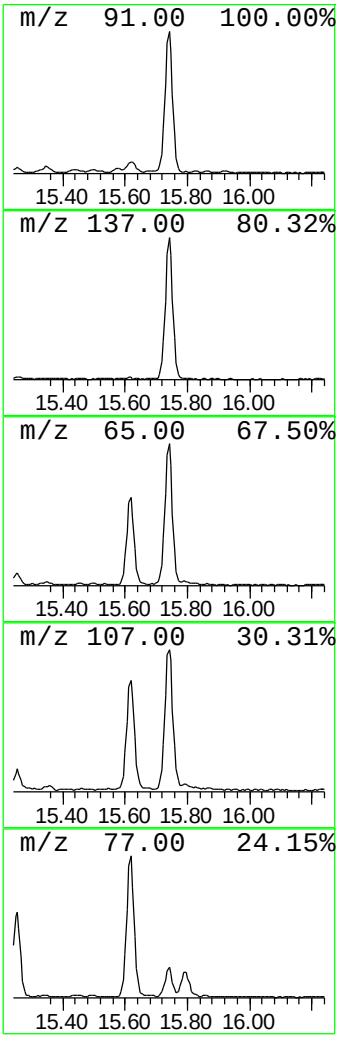
****

Peak Number 9 Benzene, 1-methyl-4-nitro- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.74	46.72 ug/l	1403270	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-nitro-	137	C7H7NO2	000099-99-0	94
2	Benzene, 1-methyl-3-nitro-	137	C7H7NO2	000099-08-1	93
3	Benzene, 1-methyl-2-nitroso-	121	C7H7NO	000611-23-4	47
4	Benzene, 1-methyl-4-nitroso-	121	C7H7NO	000623-11-0	47
5	Cycloheptatrienylium, iodide	218	C7H7I	001316-80-9	47





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY070620\
Data File : VY003110.D
Acq On : 06 Jul 2020 14:01
Operator : SY/MD
Sample : L3217-02
Misc : 5.15G/5ML/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : E3-41-NHS

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Butanol, 1-chloro-	11.25	86.6	ug/l	5559280	3	11.49	3210690	50.0
Benzene, 1-ethyl-...	12.73	78.8	ug/l	2365230	4	13.42	1501670	50.0
Heptane, 2,2,4,6,...	13.49	47.2	ug/l	1416560	4	13.42	1501670	50.0
unknown13.63	13.63	87.2	ug/l	2618550	4	13.42	1501670	50.0
unknown13.92	13.92	291.1	ug/l	8742570	4	13.42	1501670	50.0
Ethanol, 2-phenoxy-	15.62	114.4	ug/l	3437050	4	13.42	1501670	50.0
Benzene, 1-methyl...	15.74	46.7	ug/l	1403270	4	13.42	1501670	50.0