LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092820\
Data File : VX018628.D
Acq On : 28 Sep 2020 20:31
Operator : JC/SP
Sample : L4135-08
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG482

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 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_X\METHOD\SOMXTR092820WMA.M
Title : TRACE VOA SOM01.0

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.374	44	47	52	rBV2	139037	242920	1.91%	0.642%
2	1.697	95	100	106	rVB	97665	140018	1.10%	0.370%
3	2.166	172	177	187	rBV	1195199	1730809	13.63%	4.571%
4	2.343	201	206	217	rVB	204220	325180	2.56%	0.859%
5	3.154	331	339	349	rVB3	134375	315748	2.49%	0.834%
6	3.501	388	396	406	rBV	89768	194707	1.53%	0.514%
7	3.824	436	449	468	rBV	2422647	6381767	50.26%	16.854%
8	4.373	528	539	553	rVB	179358	527327	4.15%	1.393%
9	4.550	557	568	583	rBV	89095	309110	2.43%	0.816%
10	5.111	648	660	678	rBV4	225998	1038649	8.18%	2.743%
11	6.050	802	814	816	rBV3	295304	717800	5.65%	1.896%
12	6.117	816	825	841	rVB	4833768	12696290	100.00%	33.531%
13	6.830	932	942	955	rBV	293661	902115	7.11%	2.383%
14	7.366	1022	1030	1037	rBV	178701	392838	3.09%	1.037%
15	8.372	1190	1195	1202	rVB	118659	191993	1.51%	0.507%
16	8.695	1242	1248	1256	rBV	465880	724091	5.70%	1.912%
17	9.427	1363	1368	1375	rBV	552857	771294	6.07%	2.037%
18	10.098	1467	1478	1479	rBV	620657	792533	6.24%	2.093%
19	10.122	1479	1482	1494	rVB	1172188	1575447	12.41%	4.161%
20	10.342	1513	1518	1525	rVB	598880	793630	6.25%	2.096%
21	10.683	1570	1574	1583	rVB	86517	137978	1.09%	0.364%
22	11.000	1621	1626	1632	rBV	2509840	3154191	24.84%	8.330%
23	11.232	1655	1664	1668	rBV	187696	252313	1.99%	0.666%
24	11.341	1675	1682	1689	rVB2	178625	240637	1.90%	0.636%
25	11.445	1689	1699	1703	rBV3	71653	129208	1.02%	0.341%
26	11.652	1728	1733	1741	rVB	135856	176809	1.39%	0.467%
27	11.793	1752	1756	1762	rVB	170084	213680	1.68%	0.564%
28	12.061	1795	1800	1807	rBV2	674686	1054430	8.31%	2.785%
29	12.128	1807	1811	1816	rVB	139118	188686	1.49%	0.498%
30	12.286	1829	1837	1843	rVV2	166973	265048	2.09%	0.700%
31	12.359	1843	1849	1857	rVB2	571530	999608	7.87%	2.640%
32	12.872	1926	1933	1939	rBV2	106201	158397	1.25%	0.418%
33	16.151	2465	2471	2478	rVB2	71839	128924	1.02%	0.340%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX092820\
Data File : VX018628.D
Acq On : 28 Sep 2020 20:31
Operator : JC/SP
Sample : L4135-08
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG482

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 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_X\METHOD\SOMXTR092820WMA.M
Title : TRACE VOA SOM01.0

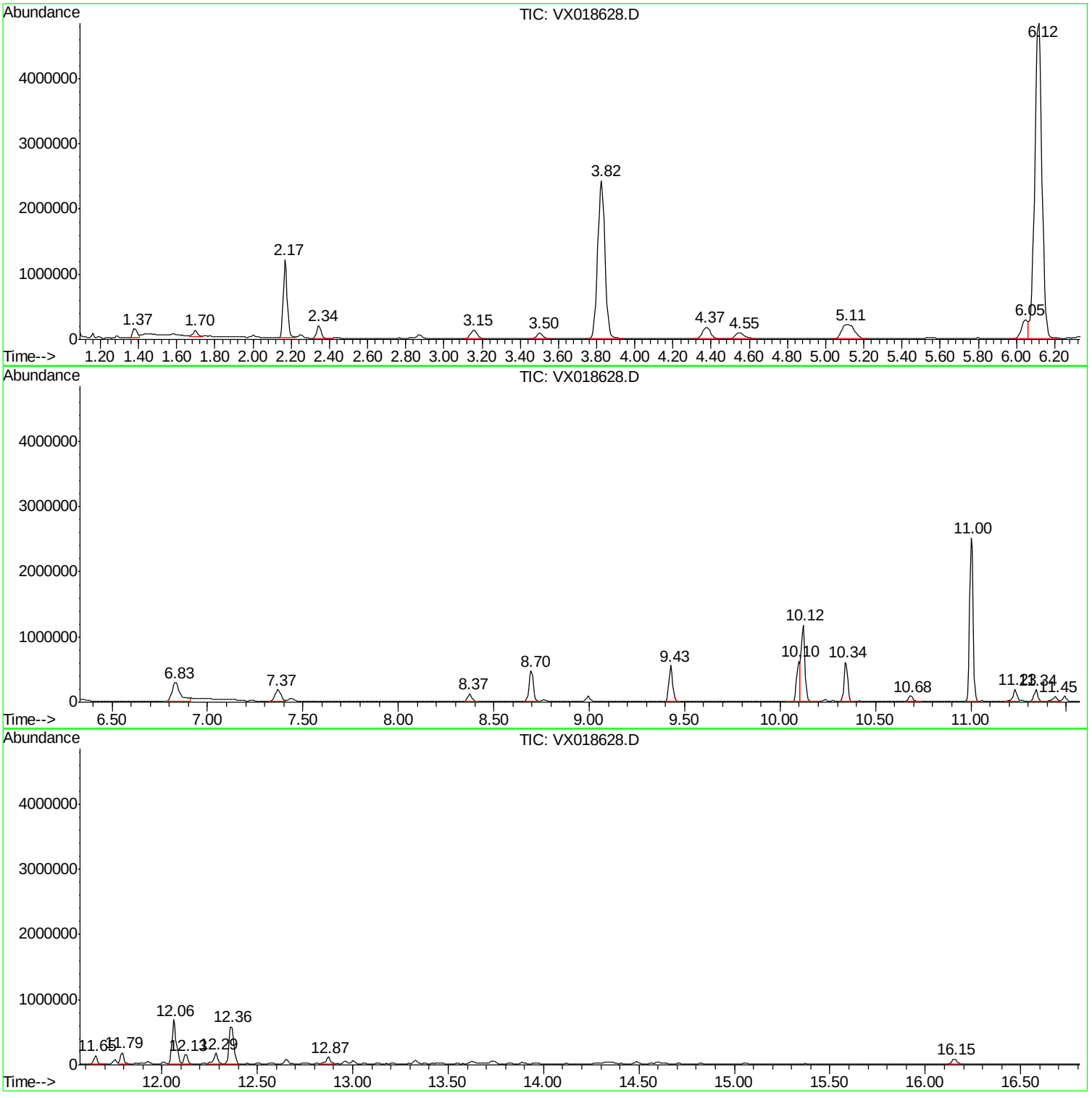
Sum of corrected areas: 37864175

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092820\
Data File : VX018628.D
Acq On : 28 Sep 2020 20:31
Operator : JC/SP
Sample : L4135-08
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG482

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
Quant Title : TRACE VOA SOM01.0

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX092820\
Data File : VX018628.D
Acq On : 28 Sep 2020 20:31
Operator : JC/SP
Sample : L4135-08
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG482

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
Quant Title : TRACE VOA SOM01.0

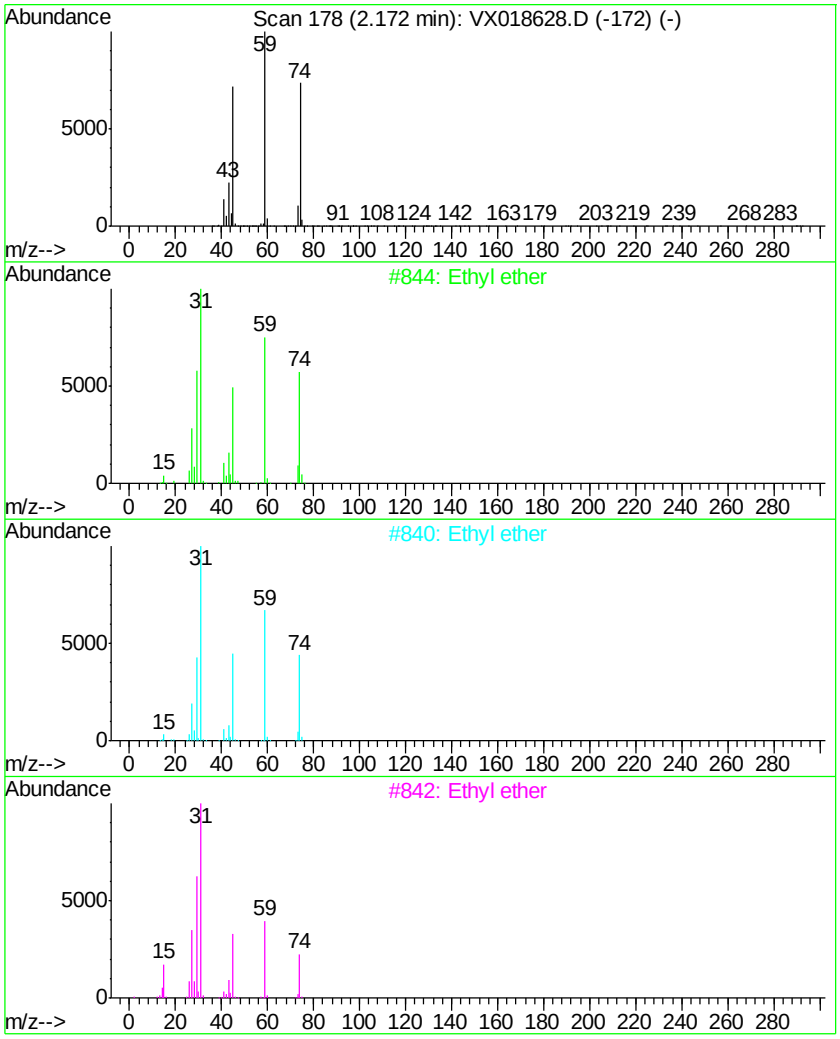
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

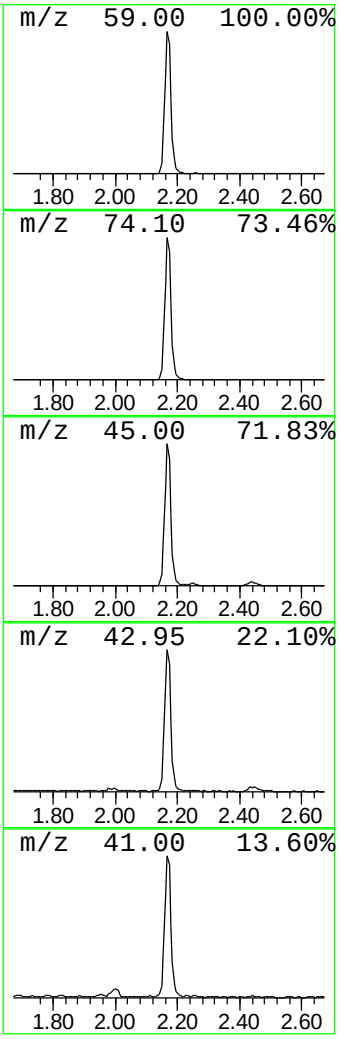
****

Peak Number 1 Ethyl ether Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.17	9.59 ug/L	1730810	1,4-Difluorobenzene	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl ether	74	C4H10O	000060-29-7	90
2	Ethyl ether	74	C4H10O	000060-29-7	90
3	Ethyl ether	74	C4H10O	000060-29-7	83
4	Ethyl ether	74	C4H10O	000060-29-7	83
5	Ethane, 1,2-diethoxy-	118	C6H14O2	000629-14-1	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092820\
Data File : VX018628.D
Acq On : 28 Sep 2020 20:31
Operator : JC/SP
Sample : L4135-08
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG482

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
Quant Title : TRACE VOA SOM01.0

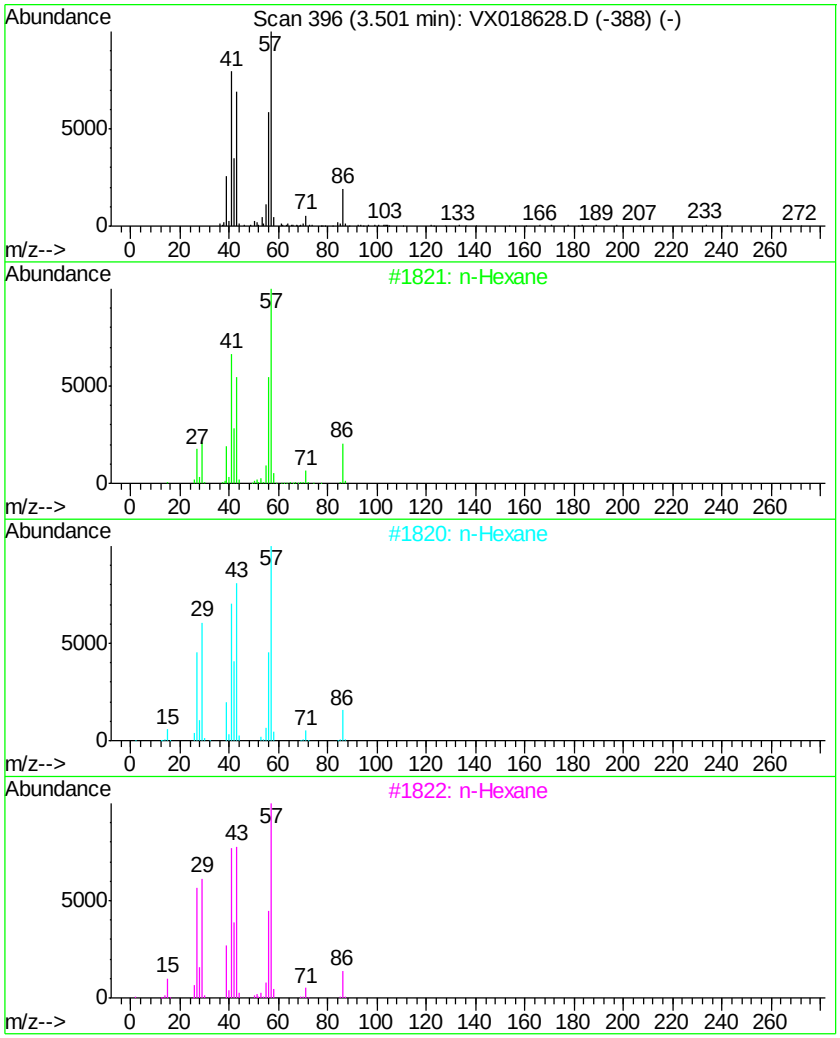
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

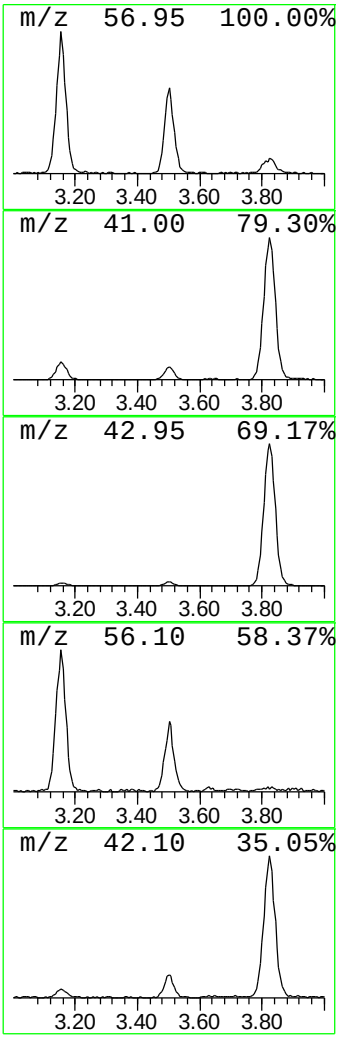
****

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.50	1.08 ug/L	194707	1,4-Difluorobenzene	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	90
2	n-Hexane	86	C6H14	000110-54-3	86
3	n-Hexane	86	C6H14	000110-54-3	64
4	Pentane, 2,2,3-trimethyl-	114	C8H18	000564-02-3	50
5	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092820\
Data File : VX018628.D
Acq On : 28 Sep 2020 20:31
Operator : JC/SP
Sample : L4135-08
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG482

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
Quant Title : TRACE VOA SOM01.0

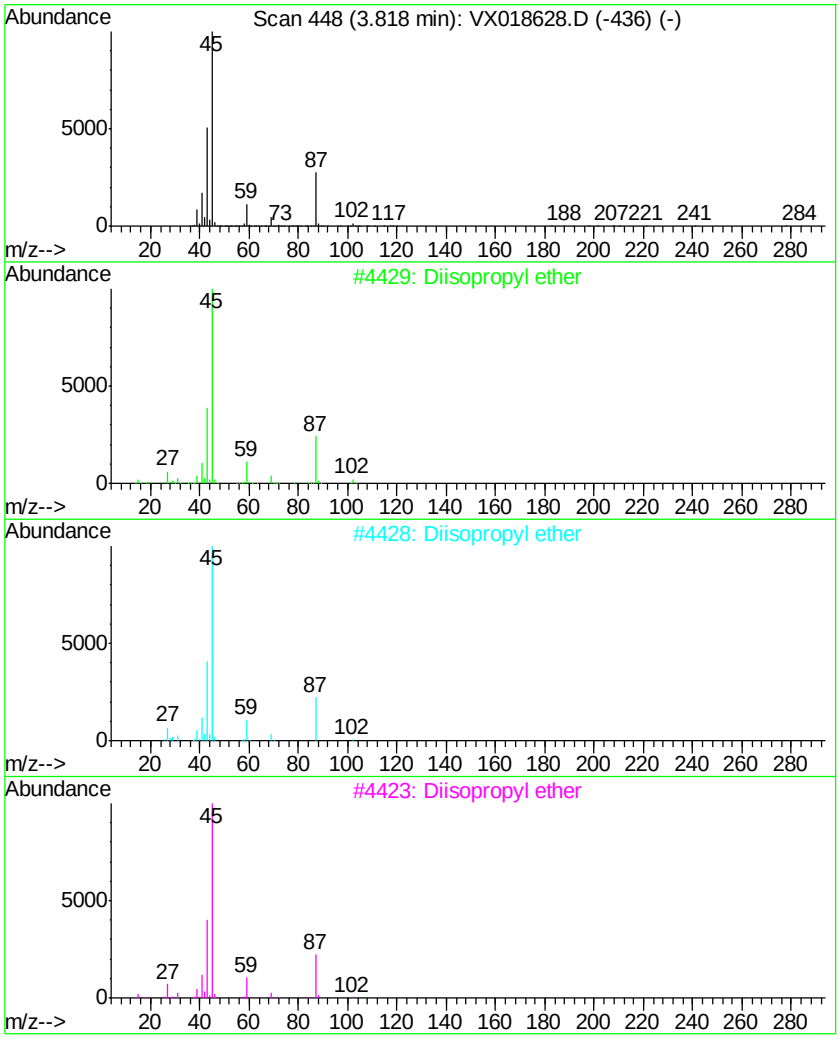
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

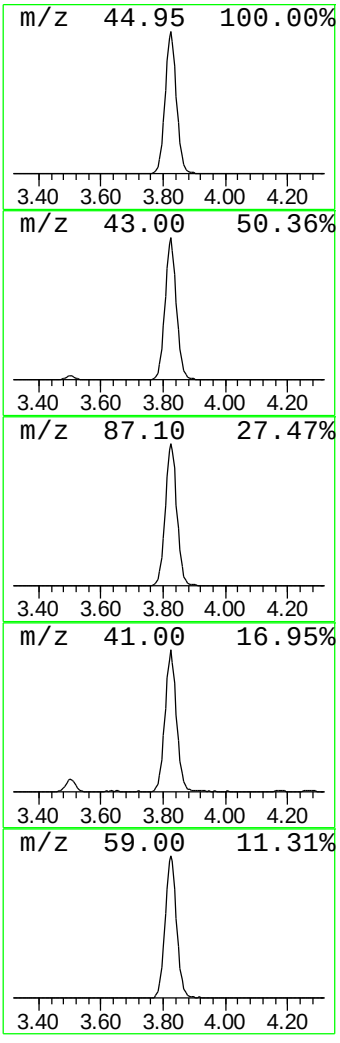
****

Peak Number 3 Diisopropyl ether Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.82	35.37 ug/L	6381770	1,4-Difluorobenzene	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diisopropyl ether	102	C6H14O	000108-20-3	86
2	Diisopropyl ether	102	C6H14O	000108-20-3	83
3	Diisopropyl ether	102	C6H14O	000108-20-3	83
4	1-Propanol, 2-(1-methylethoxy)-	118	C6H14O2	003944-37-4	83
5	Ether, sec-butyl isopropyl	116	C7H16O	018641-81-1	74





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092820\
Data File : VX018628.D
Acq On : 28 Sep 2020 20:31
Operator : JC/SP
Sample : L4135-08
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG482

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
Quant Title : TRACE VOA SOM01.0

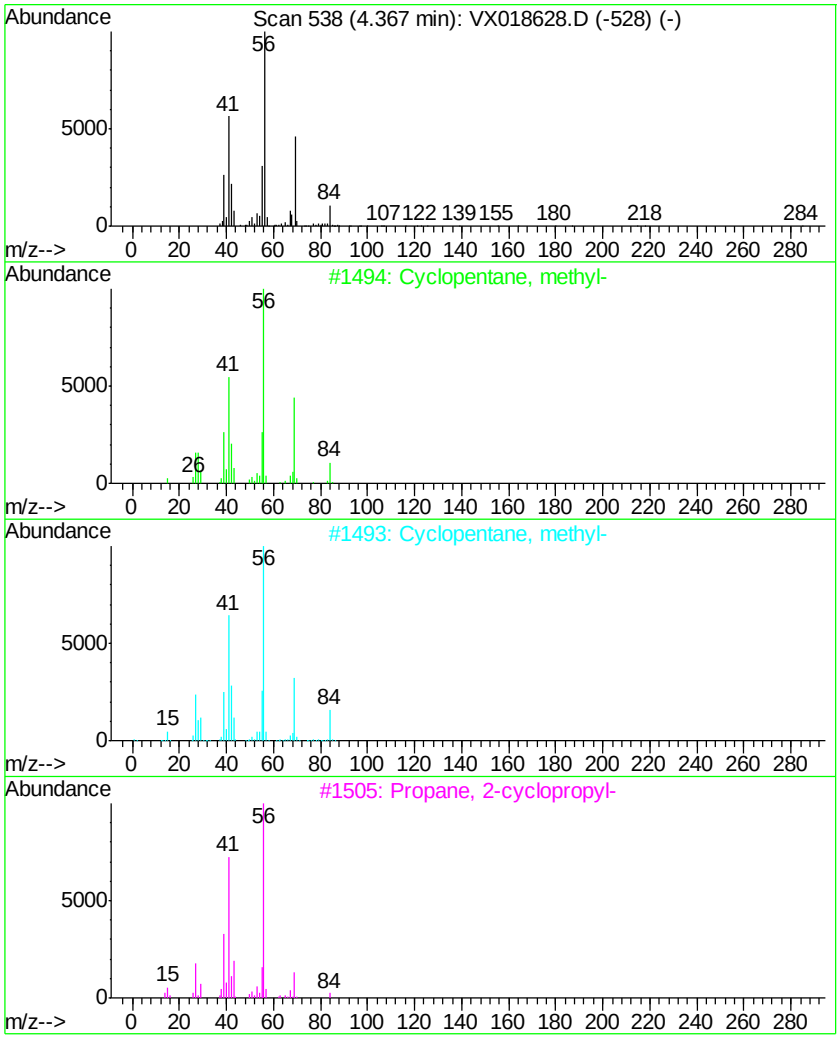
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

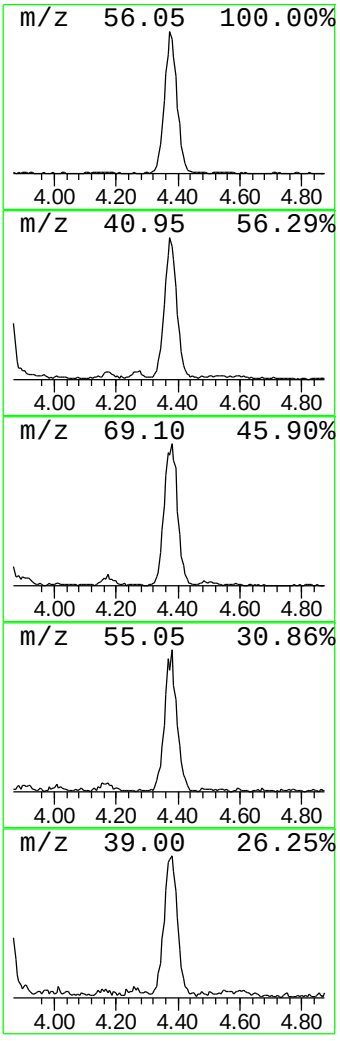
****

Peak Number 4 (DEL) Alkane: Cyclic4.37 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.37	2.92 ug/L	527327	1,4-Difluorobenzene	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	90
3	Propane, 2-cyclopropyl-	84	C6H12	003638-35-5	78
4	Cyclohexane	84	C6H12	000110-82-7	78
5	Cyclobutane, ethyl-	84	C6H12	004806-61-5	56





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX092820\
Data File : VX018628.D
Acq On : 28 Sep 2020 20:31
Operator : JC/SP
Sample : L4135-08
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG482

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
Quant Title : TRACE VOA SOM01.0

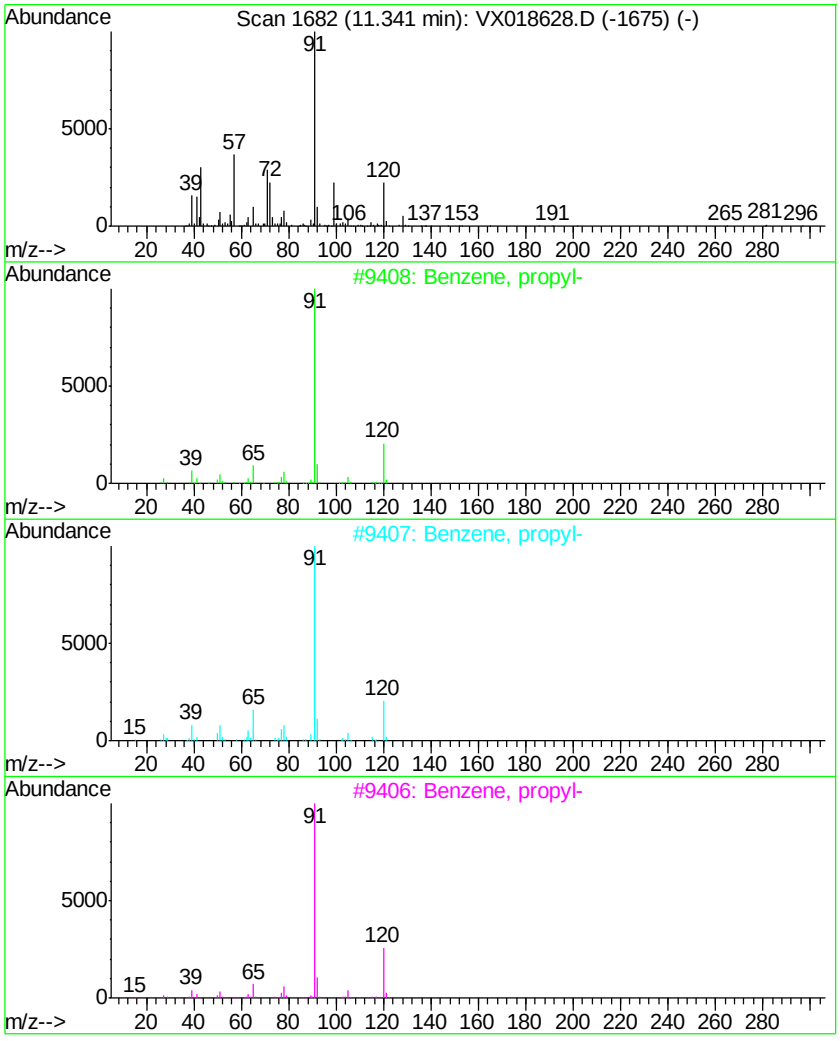
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

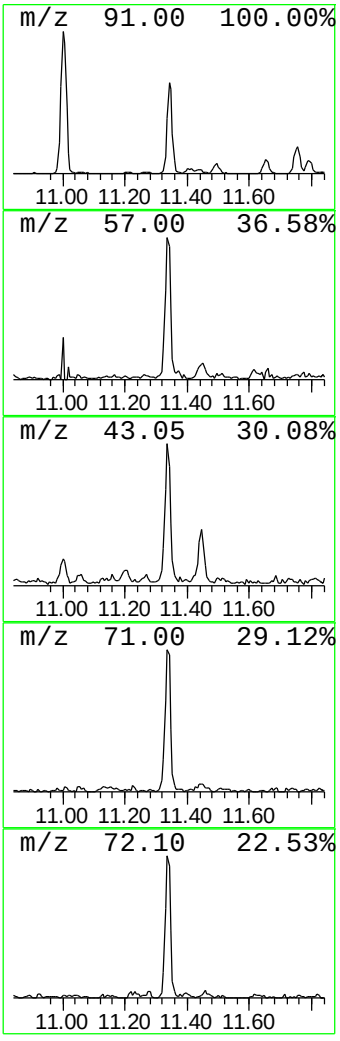
****

Peak Number 6 unknown-01 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.34	1.14 ug/L	240637	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	46
2	Benzene, propyl-	120	C9H12	000103-65-1	46
3	Benzene, propyl-	120	C9H12	000103-65-1	41
4	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	35
5	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	35





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX092820\
Data File : VX018628.D
Acq On : 28 Sep 2020 20:31
Operator : JC/SP
Sample : L4135-08
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG482

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
Quant Title : TRACE VOA SOM01.0

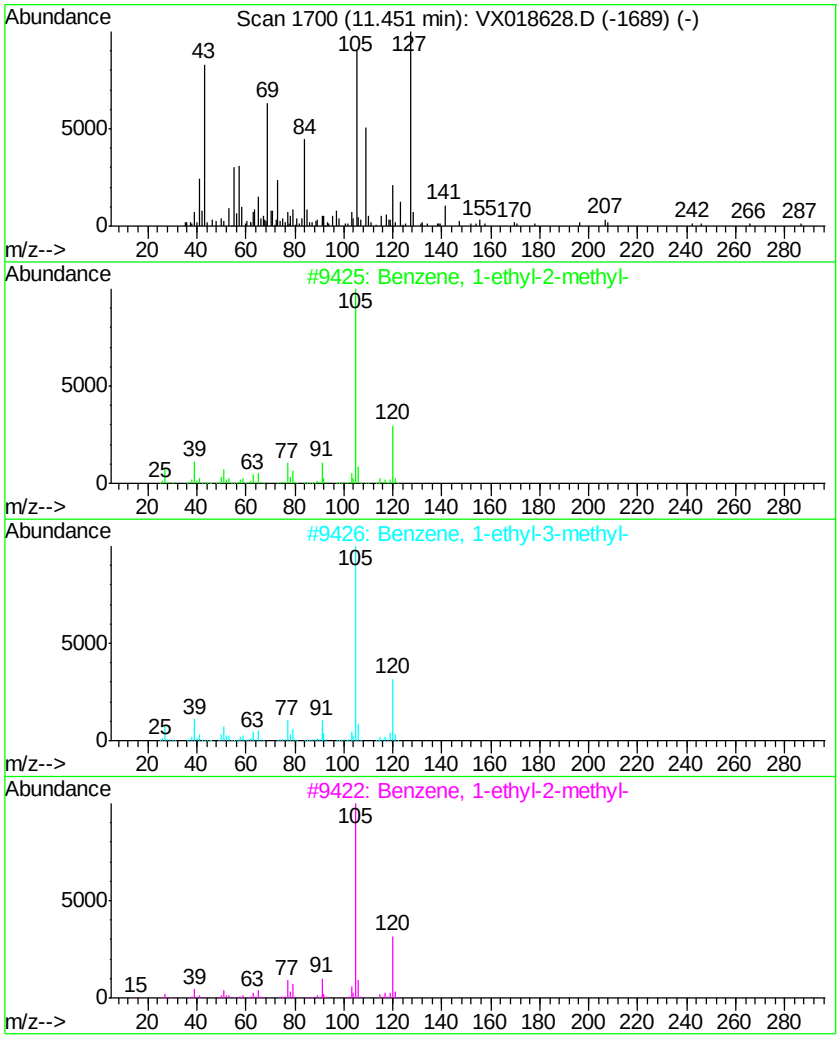
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

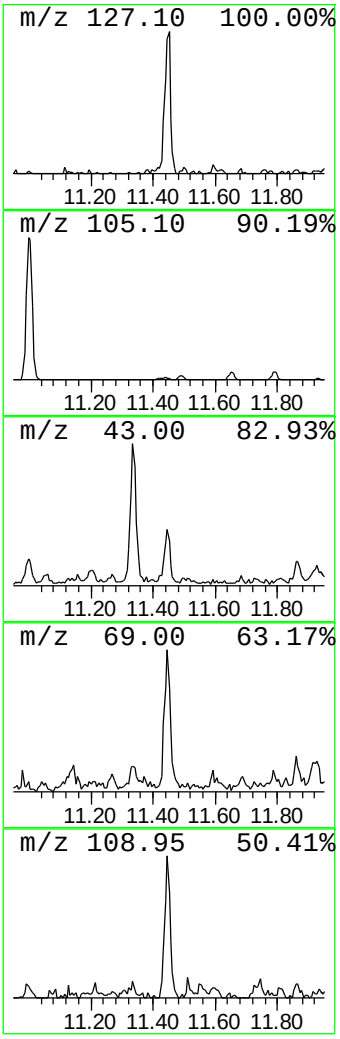
****

Peak Number 7 unknown-02 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.45	0.61 ug/L	129208	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	35
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	20
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	20
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	20
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	18





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX092820\
Data File : VX018628.D
Acq On : 28 Sep 2020 20:31
Operator : JC/SP
Sample : L4135-08
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG482

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
Quant Title : TRACE VOA SOM01.0

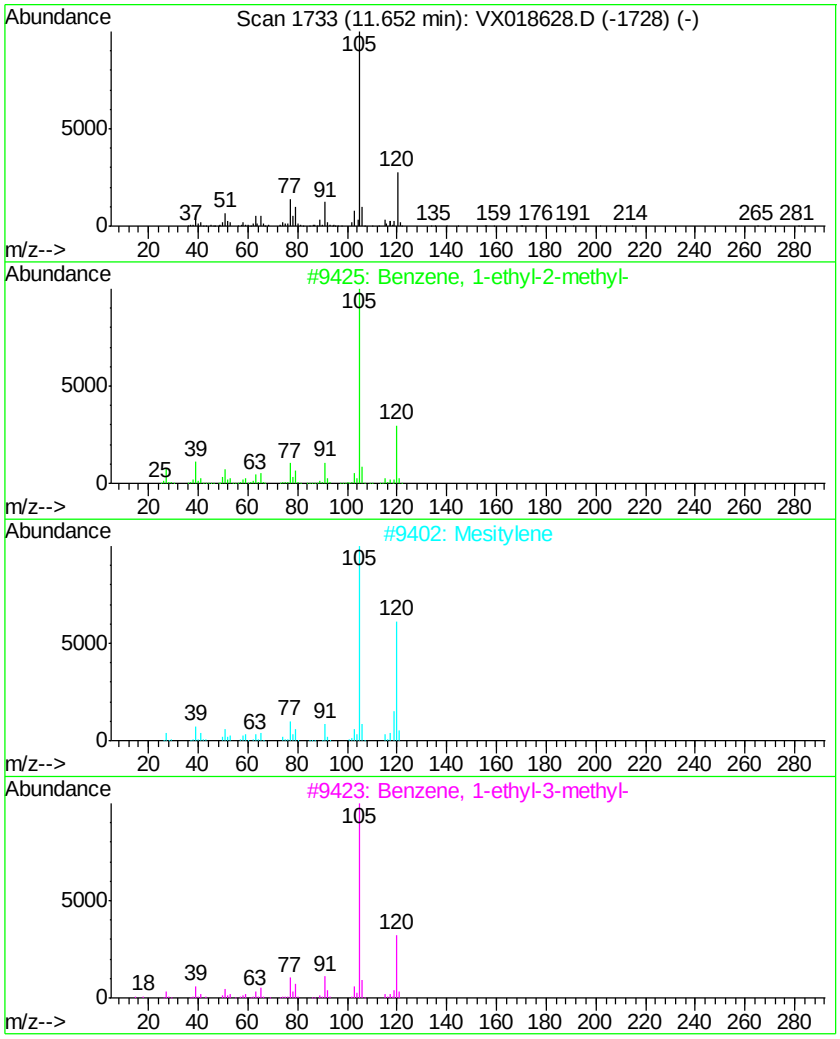
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

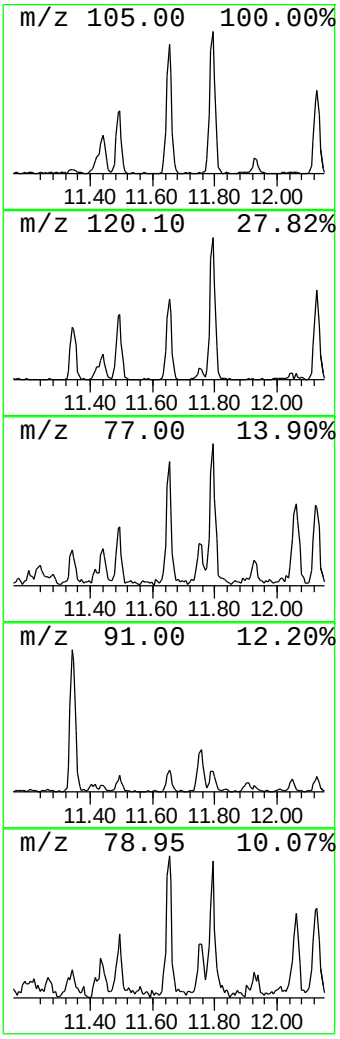
****

Peak Number 8 Benzene, 1-ethyl-2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.65	0.84 ug/L	176809	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
2	Mesitylene	120	C9H12	000108-67-8	91
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX092820\
Data File : VX018628.D
Acq On : 28 Sep 2020 20:31
Operator : JC/SP
Sample : L4135-08
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG482

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
Quant Title : TRACE VOA SOM01.0

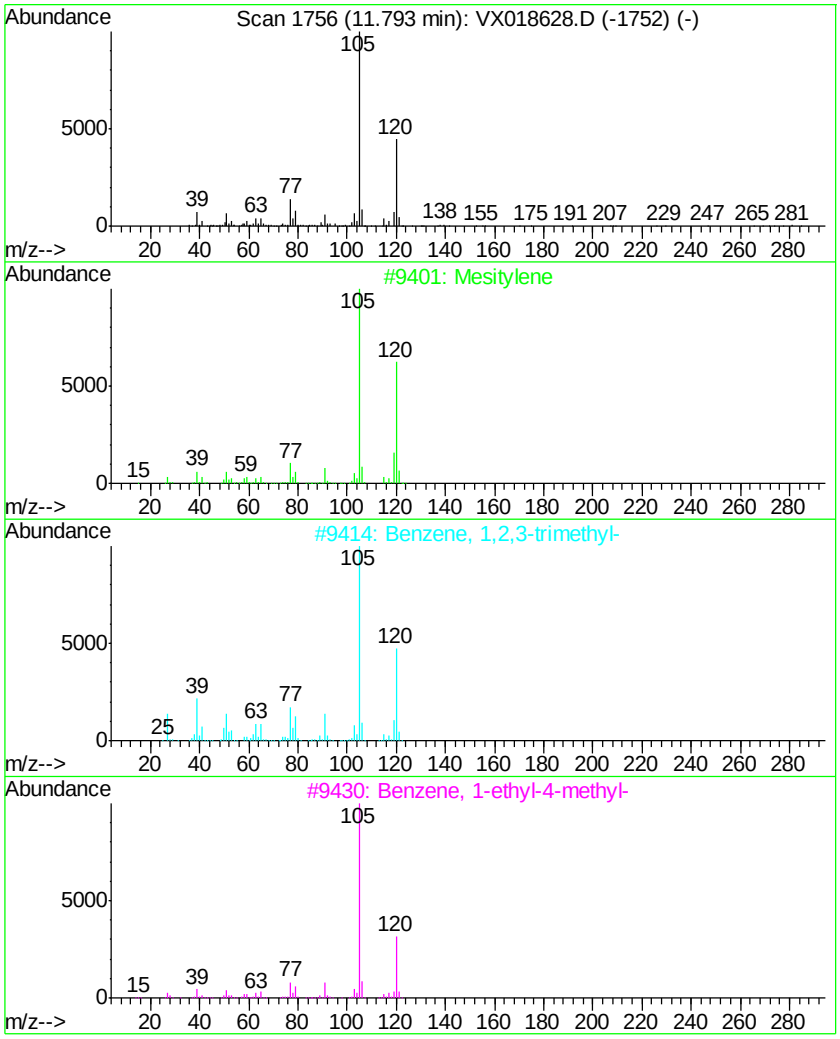
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

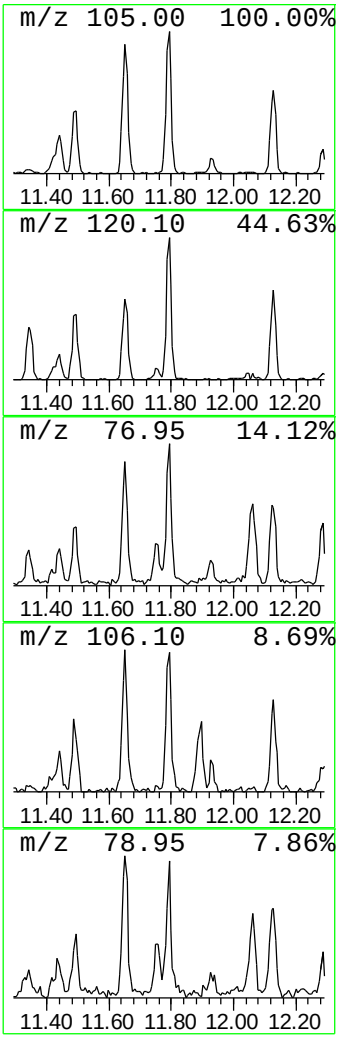
****

Peak Number 9 Mesitylene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	1.01 ug/L	213680	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Mesitylene	120	C9H12	000108-67-8	93
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092820\
Data File : VX018628.D
Acq On : 28 Sep 2020 20:31
Operator : JC/SP
Sample : L4135-08
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG482

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
Quant Title : TRACE VOA SOM01.0

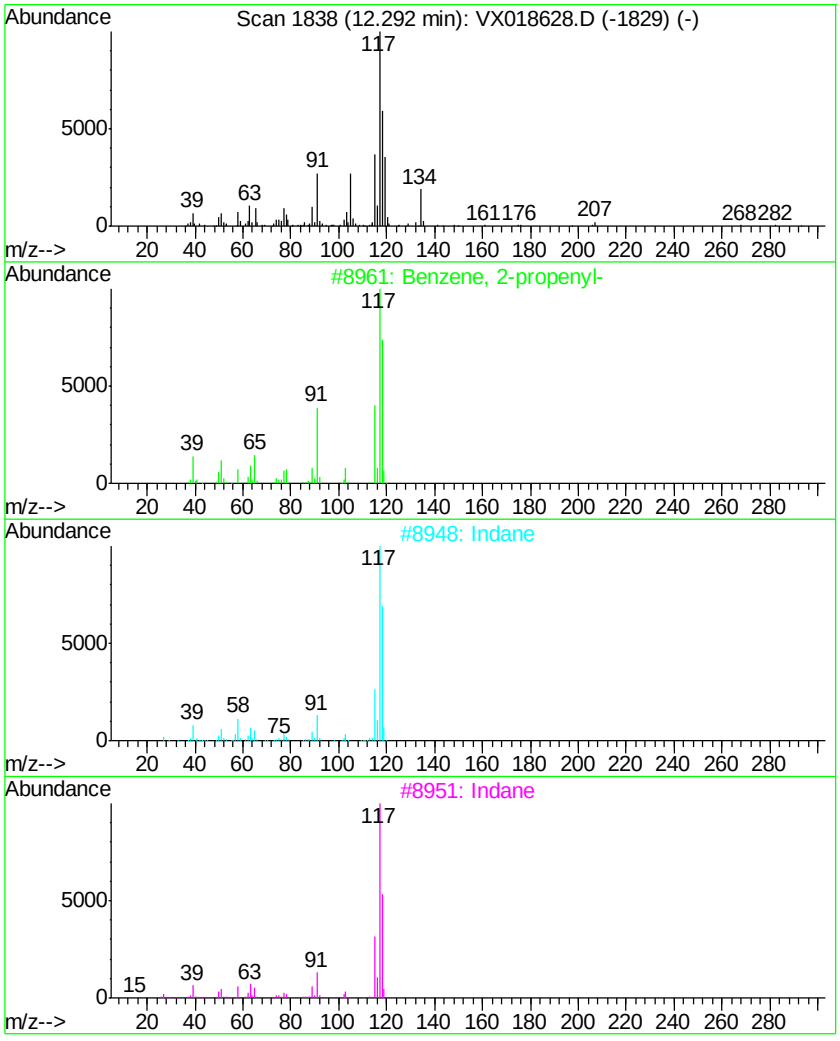
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

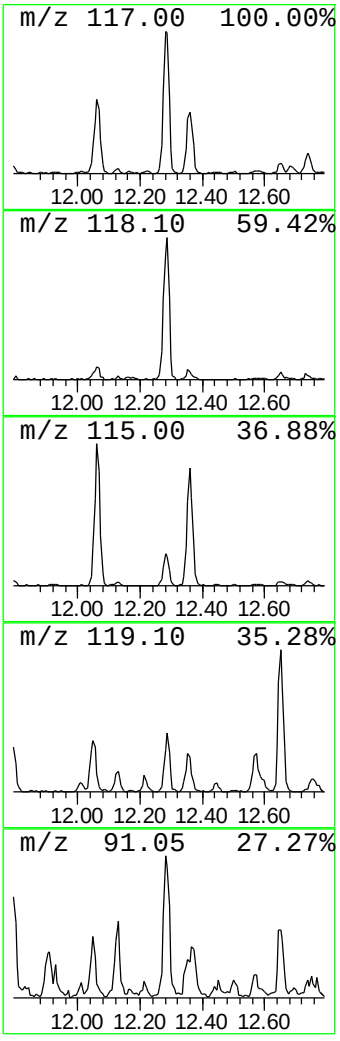
****

Peak Number 10 Benzene, 2-propenyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	1.26 ug/L	265048	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-propenyl-	118	C9H10	000300-57-2	64
2	Indane	118	C9H10	000496-11-7	64
3	Indane	118	C9H10	000496-11-7	64
4	Indane	118	C9H10	000496-11-7	64
5	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	64





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Data File : VX018628.D
Acq On : 28 Sep 2020 20:31
Operator : JC/SP
Sample : L4135-08
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG482

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
Quant Title : TRACE VOA SOM01.0

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

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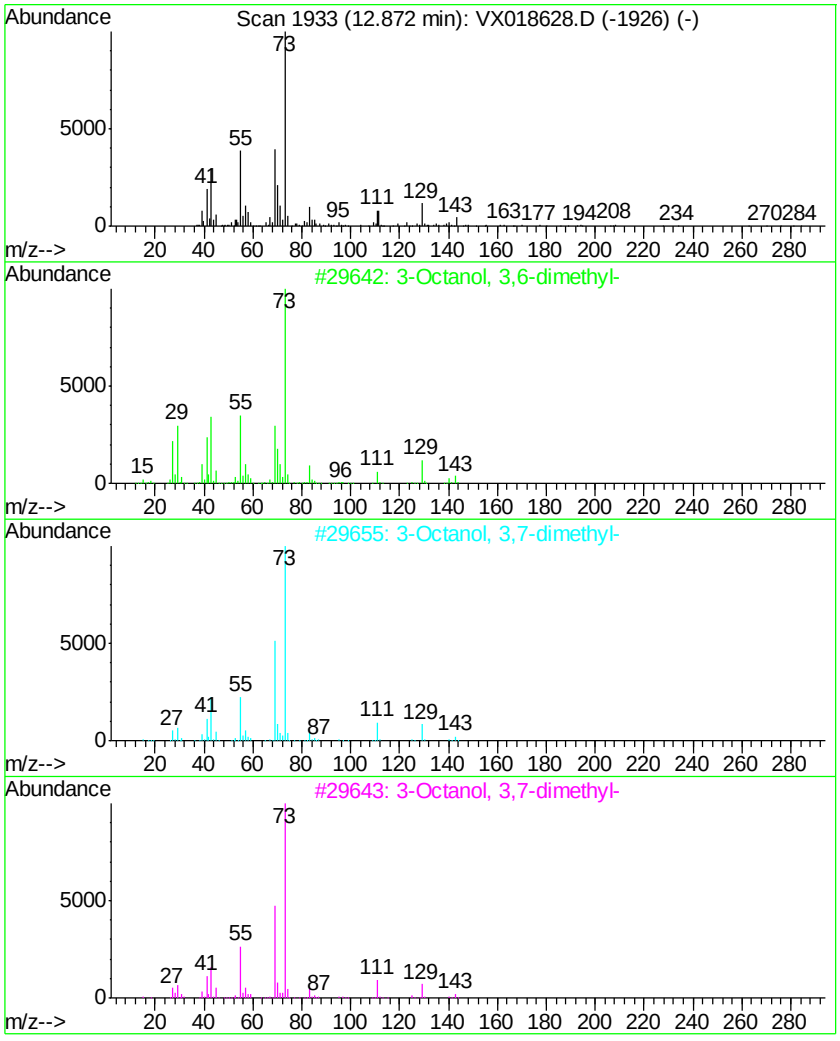
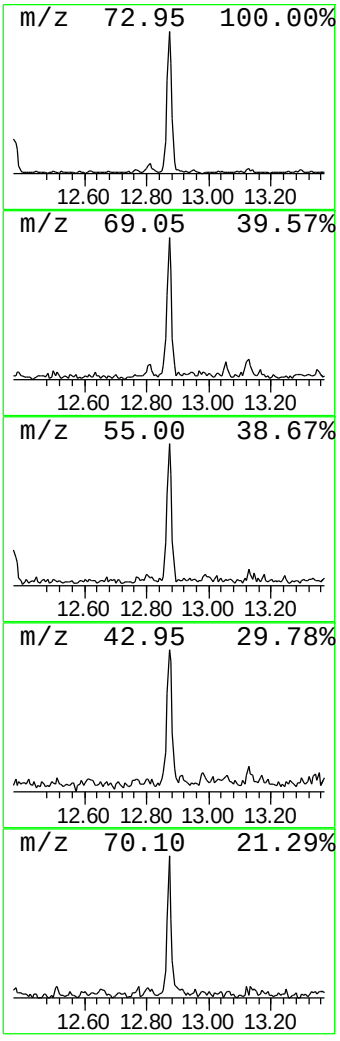
Peak Number 11 3-Octanol, 3,6-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	0.75 ug/L	158397	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Octanol, 3,6-dimethyl-	158	C10H22O	000151-19-9	72
2	3-Octanol, 3,7-dimethyl-	158	C10H22O	000078-69-3	53
3	3-Octanol, 3,7-dimethyl-	158	C10H22O	000078-69-3	47
4	3-Octanol, 3,7-dimethyl-	158	C10H22O	000078-69-3	43
5	3-Dodecanol, 3,7,11-trimethyl-	228	C15H32O	007278-65-1	40





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX092820\
Data File : VX018628.D
Acq On : 28 Sep 2020 20:31
Operator : JC/SP
Sample : L4135-08
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG482

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
Quant Title : TRACE VOA SOM01.0

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

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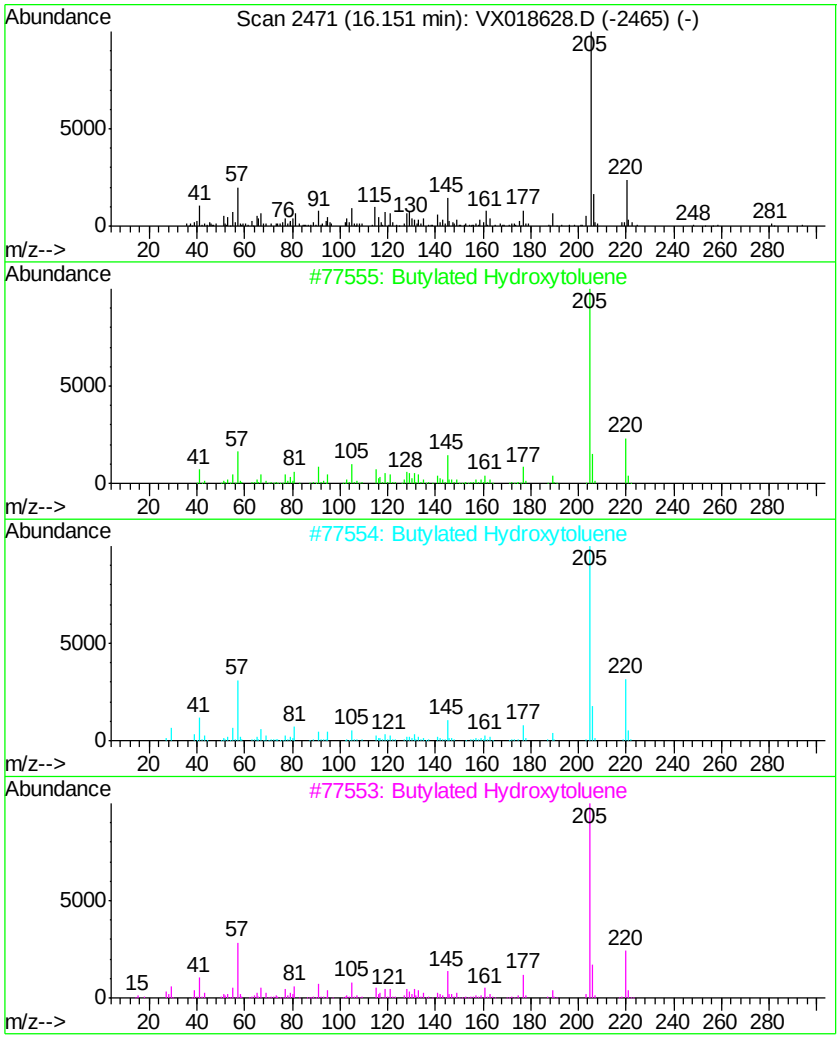
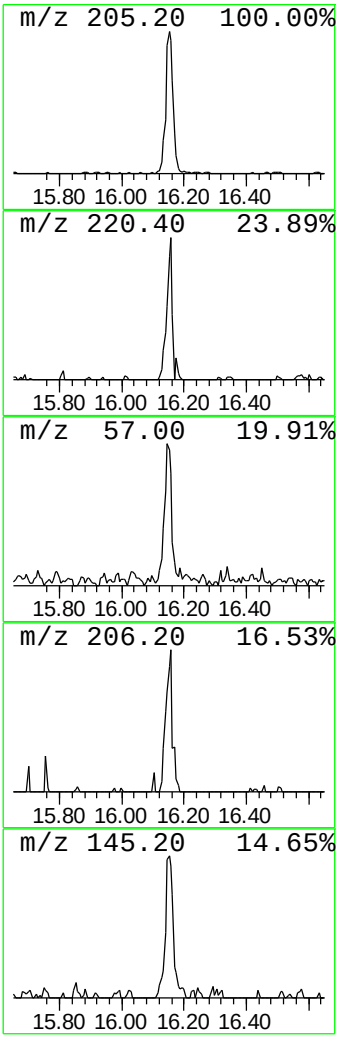
Peak Number 12 Butylated Hydroxytoluene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.15	0.61 ug/L	128924	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butylated Hydroxytoluene	220	C15H24O	000128-37-0	94
2	Butylated Hydroxytoluene	220	C15H24O	000128-37-0	93
3	Butylated Hydroxytoluene	220	C15H24O	000128-37-0	90
4	Phenol, 2,6-bis(1,1-dimethylethy...	277	C17H27NO2	001918-11-2	87
5	Phenol, 2,4,6-tris(1-methylethyl)-	220	C15H24O	002934-07-8	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX092820\
Data File : VX018628.D
Acq On : 28 Sep 2020 20:31
Operator : JC/SP
Sample : L4135-08
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG482

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
Quant Title : TRACE VOA SOM01.0

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Ethyl ether	2.17	9.6	ug/L	1730810	1	6.83	902115	5.0
(DEL) Alkane: Str...	3.50	1.1	ug/L	194707	1	6.83	902115	5.0
Diisopropyl ether	3.82	35.4	ug/L	6381770	1	6.83	902115	5.0
(DEL) Alkane: Cyc...	4.37	2.9	ug/L	527327	1	6.83	902115	5.0
unknown-01	11.34	1.1	ug/L	240637	3	12.06	1054430	5.0
unknown-02	11.45	0.6	ug/L	129208	3	12.06	1054430	5.0
Benzene, 1-ethyl-...	11.65	0.8	ug/L	176809	3	12.06	1054430	5.0
Mesitylene	11.79	1.0	ug/L	213680	3	12.06	1054430	5.0
Benzene, 2-propenyl-	12.29	1.3	ug/L	265048	3	12.06	1054430	5.0
3-Octanol, 3,6-di...	12.87	0.8	ug/L	158397	3	12.06	1054430	5.0
Butylated Hydroxy...	16.15	0.6	ug/L	128924	3	12.06	1054430	5.0