LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081420\
Data File : VX017899.D
Acq On : 14 Aug 2020 14:53
Operator : JC/SP
Sample : L3697-04
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG0N1

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\SOMXTR080720WMA.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	2.166	170	177	186	rBV	1300215	1856021	2.55%	0.793%
2	3.824	438	449	468	rBV	2086392	5615420	7.71%	2.398%
3	4.562	556	570	580	rBV2	590045	1909249	2.62%	0.815%
4	6.123	802	826	840	rBV	19103406	52445515	72.00%	22.395%
5	6.830	931	942	954	rBV	302542	750578	1.03%	0.321%
6	8.695	1242	1248	1253	rBV	557166	894567	1.23%	0.382%
7	8.775	1253	1261	1276	rVB2	42939254	72843892	100.00%	31.106%
8	9.427	1361	1368	1375	rBV	820520	1119240	1.54%	0.478%
9	10.122	1467	1482	1490	rBV	8949705	12766188	17.53%	5.451%
10	10.238	1495	1501	1506	rBV	9997495	13030560	17.89%	5.564%
11	10.341	1512	1518	1527	rBV	24338110	33772899	46.36%	14.422%
12	10.683	1568	1574	1585	rVB	8891036	11217475	15.40%	4.790%
13	11.000	1620	1626	1632	rBV	1919941	2530312	3.47%	1.080%
14	11.341	1676	1682	1689	rBV2	1094971	1477839	2.03%	0.631%
15	11.421	1689	1695	1697	rBV2	1117415	1682870	2.31%	0.719%
16	11.494	1703	1707	1713	rVB	813273	1018403	1.40%	0.435%
17	11.652	1729	1733	1738	rVB	1181303	1389007	1.91%	0.593%
18	11.792	1751	1756	1763	rVB	3513985	4358439	5.98%	1.861%
19	12.067	1795	1801	1807	rBV3	792300	1779531	2.44%	0.760%
20	12.128	1807	1811	1817	rVB	1761347	2176622	2.99%	0.929%
21	12.286	1830	1837	1844	rBV	2306827	2993059	4.11%	1.278%
22	12.365	1844	1850	1858	rVB3	1113241	2281207	3.13%	0.974%
23	12.579	1878	1885	1893	rBV3	318713	800599	1.10%	0.342%
24	12.871	1926	1933	1939	rVB3	781275	1269765	1.74%	0.542%
25	13.329	1998	2008	2013	rBV2	416975	752389	1.03%	0.321%
26	13.816	2083	2088	2096	rVB	1107372	1448977	1.99%	0.619%

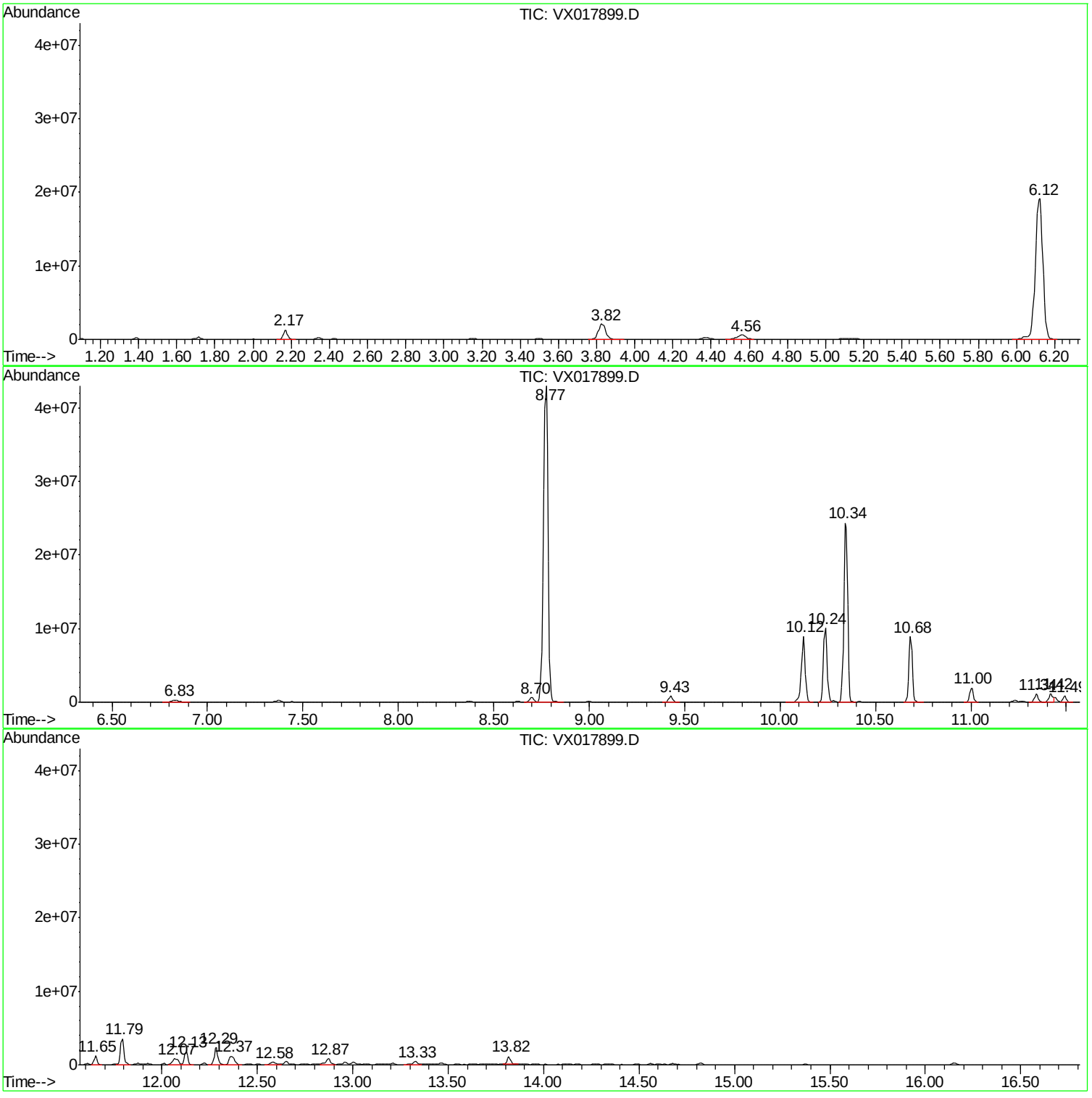
Sum of corrected areas: 234180623

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081420\
Data File : VX017899.D
Acq On : 14 Aug 2020 14:53
Operator : JC/SP
Sample : L3697-04
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BG0N1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR080720WMA.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\VX081420\
Data File : VX017899.D
Acq On : 14 Aug 2020 14:53
Operator : JC/SP
Sample : L3697-04
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG0N1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR080720WMA.M
Quant Title : TRACE VOA SOM01.0

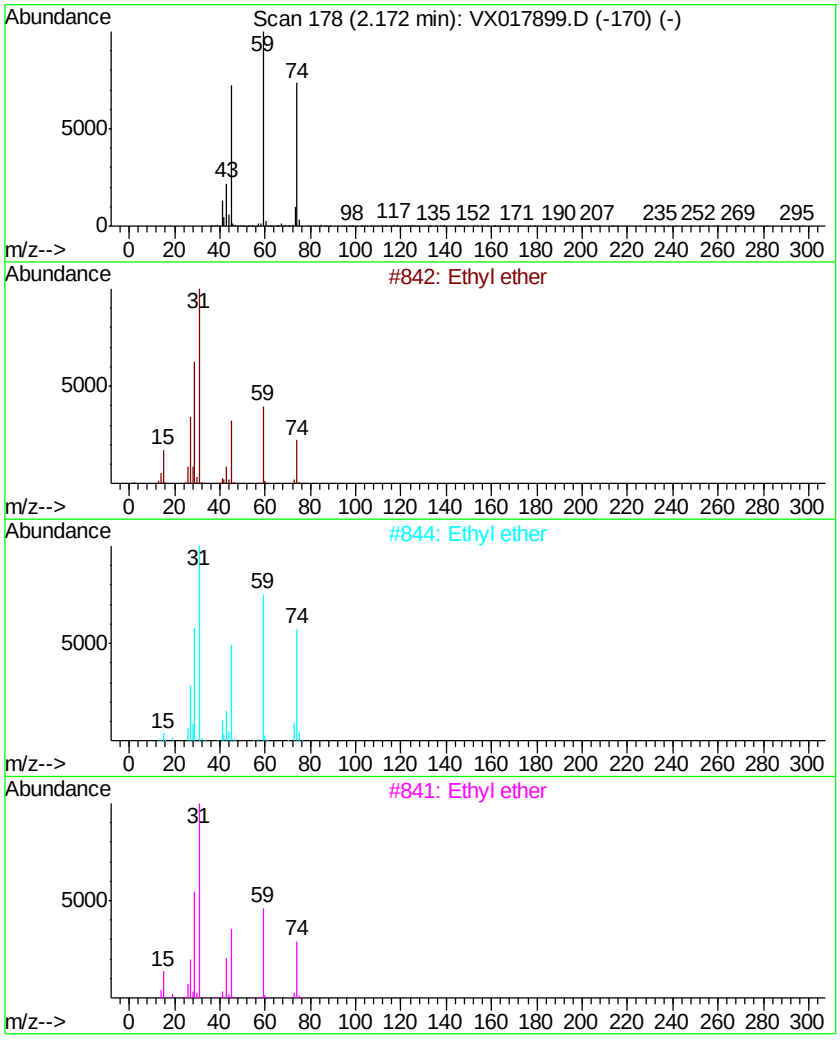
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

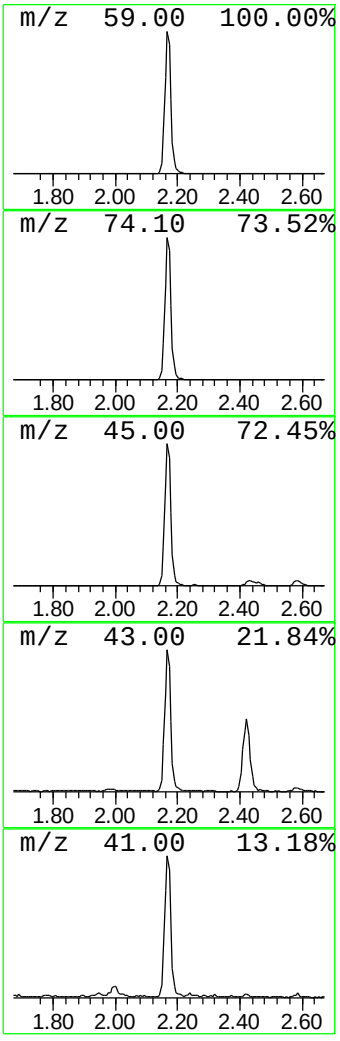
****

Peak Number 1 Ethyl ether Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.17	12.36 ug/L	1856020	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	90
4	Ethyl ether	74	C4H10O	000060-29-7	90
5	Boron trifluoride etherate	142	C4H10BF3O	000109-63-7	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081420\
Data File : VX017899.D
Acq On : 14 Aug 2020 14:53
Operator : JC/SP
Sample : L3697-04
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG0N1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR080720WMA.M
Quant Title : TRACE VOA SOM01.0

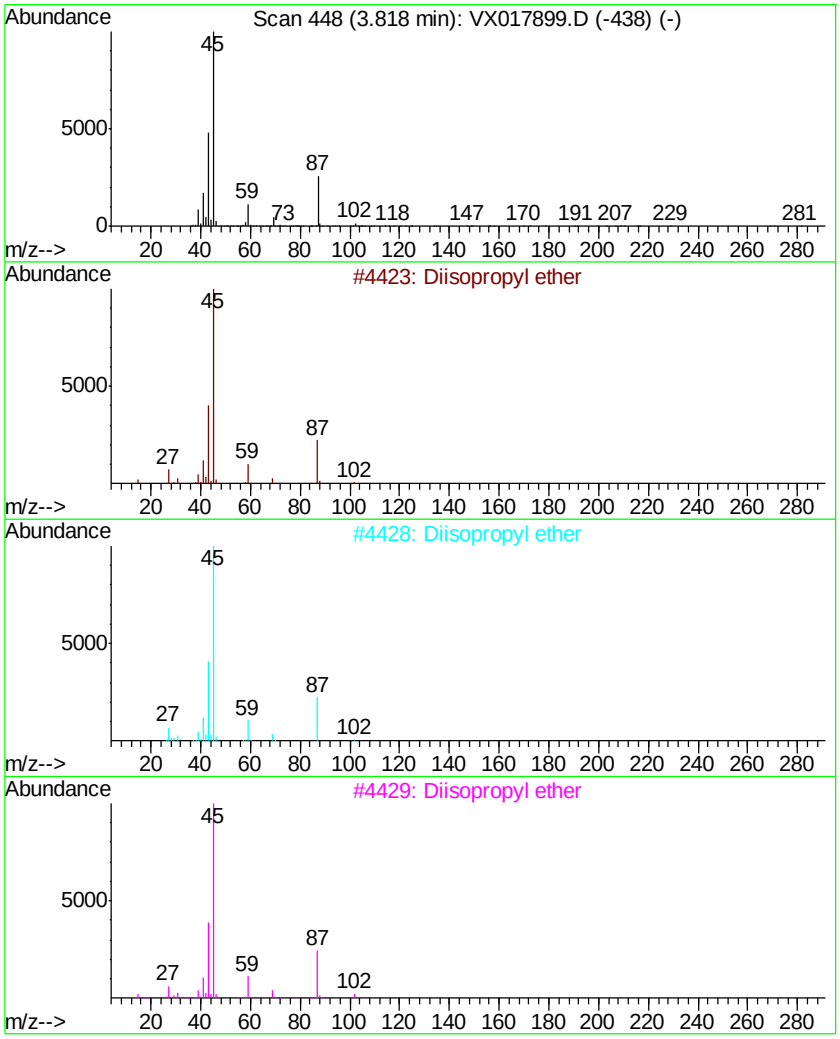
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

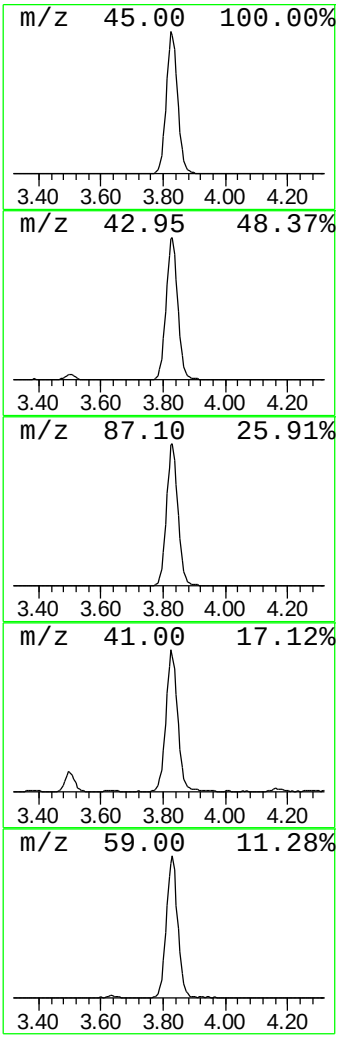
****

Peak Number 2 Diisopropyl ether Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.82	37.41 ug/L	5615420	1,4-Difluorobenzene	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diisopropyl ether	102	C6H14O	000108-20-3	83
2	Diisopropyl ether	102	C6H14O	000108-20-3	83
3	Diisopropyl ether	102	C6H14O	000108-20-3	78
4	Ether, 2-chloro-1-methylethyl is...	136	C6H13ClO	098277-76-0	64
5	Acetoin	88	C4H8O2	000513-86-0	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081420\
Data File : VX017899.D
Acq On : 14 Aug 2020 14:53
Operator : JC/SP
Sample : L3697-04
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG0N1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR080720WMA.M
Quant Title : TRACE VOA SOM01.0

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

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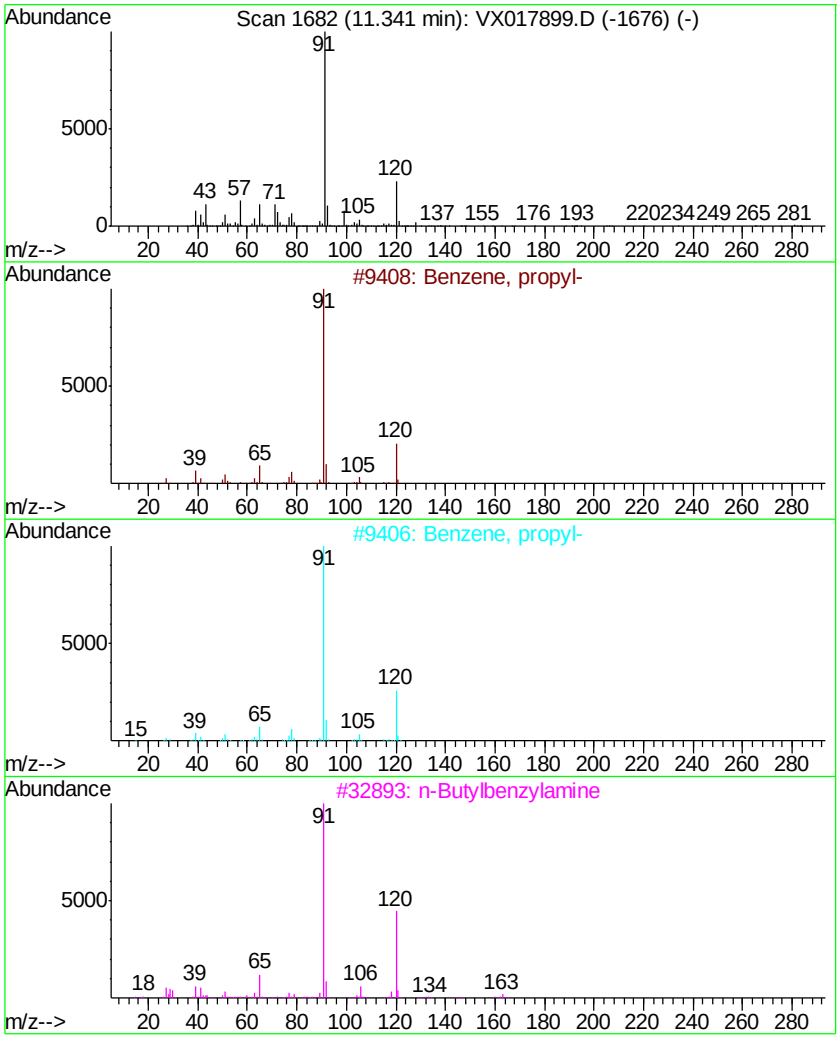
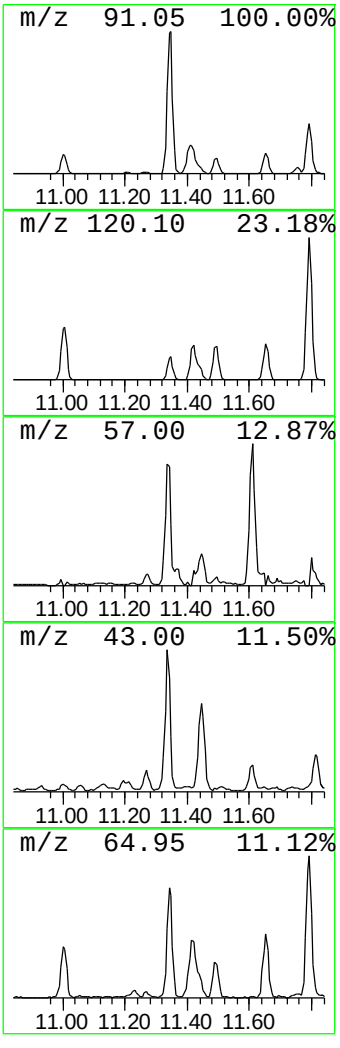
Peak Number 3 Benzene, propyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.34	4.15 ug/L	1477840	1,4-Dichlorobenzene-d4	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	60
2	Benzene, propyl-	120	C9H12	000103-65-1	53
3	n-Butylbenzylamine	163	C11H17N	002403-22-7	49
4	Propanenitrile, 3-[(phenylmethyl...	160	C10H12N2	000706-03-6	47
5	Benzene, (ethenyloxy)-	120	C8H8O	000766-94-9	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081420\
Data File : VX017899.D
Acq On : 14 Aug 2020 14:53
Operator : JC/SP
Sample : L3697-04
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG0N1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR080720WMA.M
Quant Title : TRACE VOA SOM01.0

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

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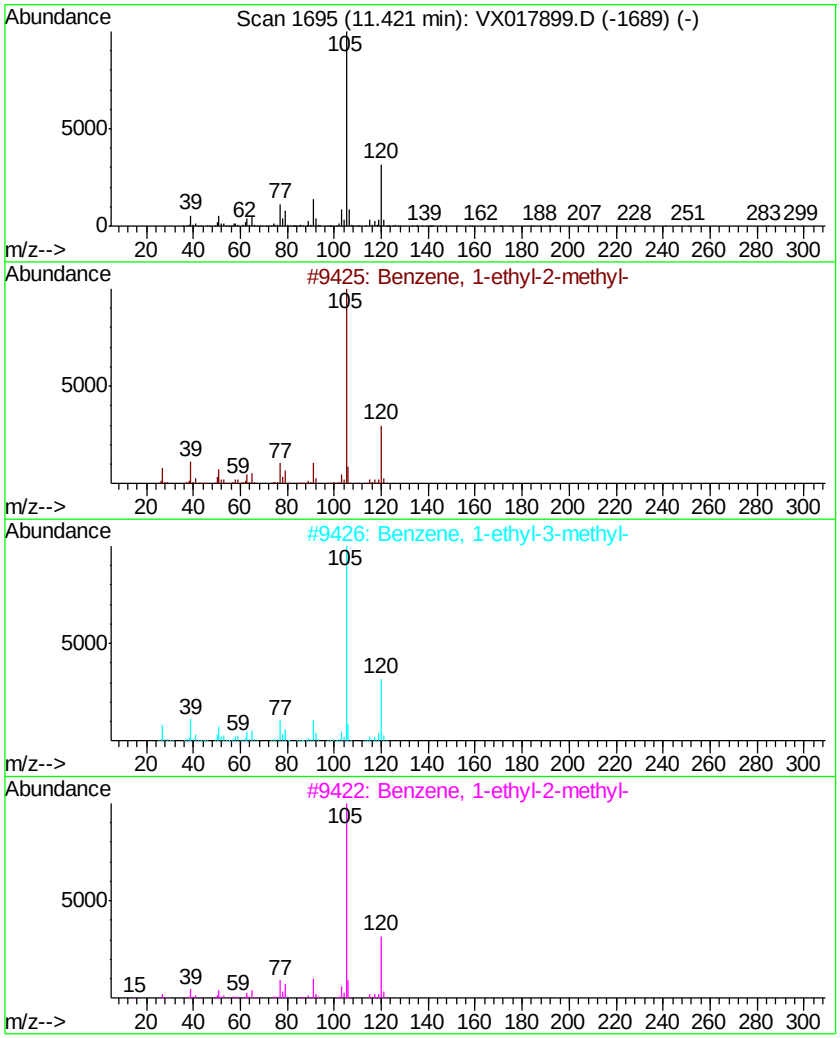
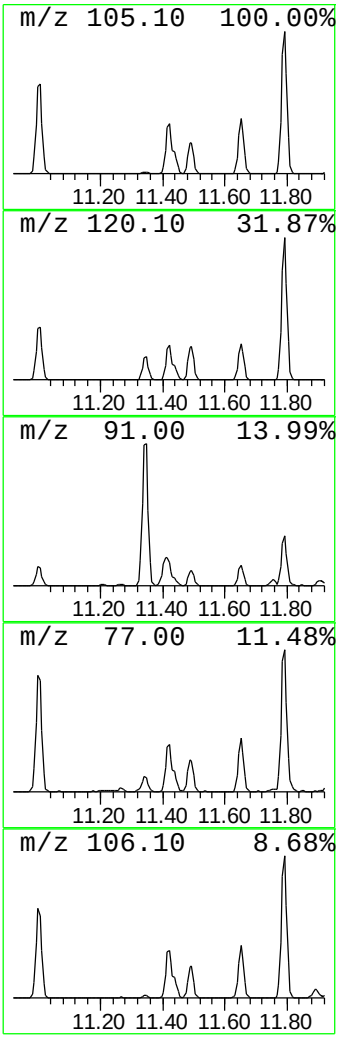
Peak Number 4 Benzene, 1-ethyl-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.42	4.73 ug/L	1682870	1,4-Dichlorobenzene-d4	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
5	Mesitylene	120	C9H12	000108-67-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081420\
Data File : VX017899.D
Acq On : 14 Aug 2020 14:53
Operator : JC/SP
Sample : L3697-04
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG0N1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR080720WMA.M
Quant Title : TRACE VOA SOM01.0

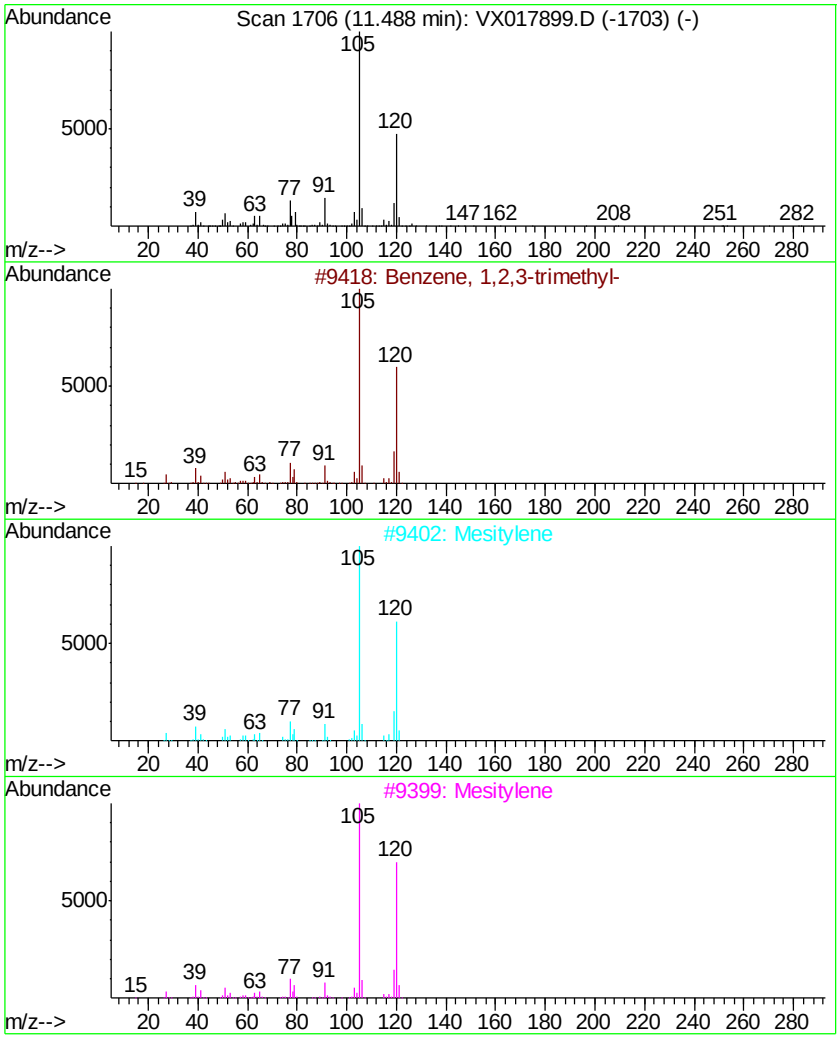
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

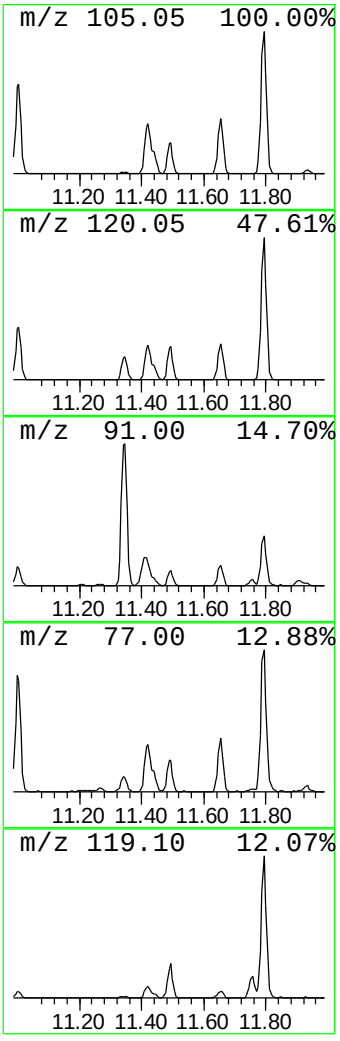
****

Peak Number 5 Benzene, 1,2,3-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.49	2.86 ug/L	1018400	1,4-Dichlorobenzene-d4	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Mesitylene	120	C9H12	000108-67-8	94
3	Mesitylene	120	C9H12	000108-67-8	94
4	Mesitylene	120	C9H12	000108-67-8	94
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	93





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081420\
Data File : VX017899.D
Acq On : 14 Aug 2020 14:53
Operator : JC/SP
Sample : L3697-04
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG0N1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR080720WMA.M
Quant Title : TRACE VOA SOM01.0

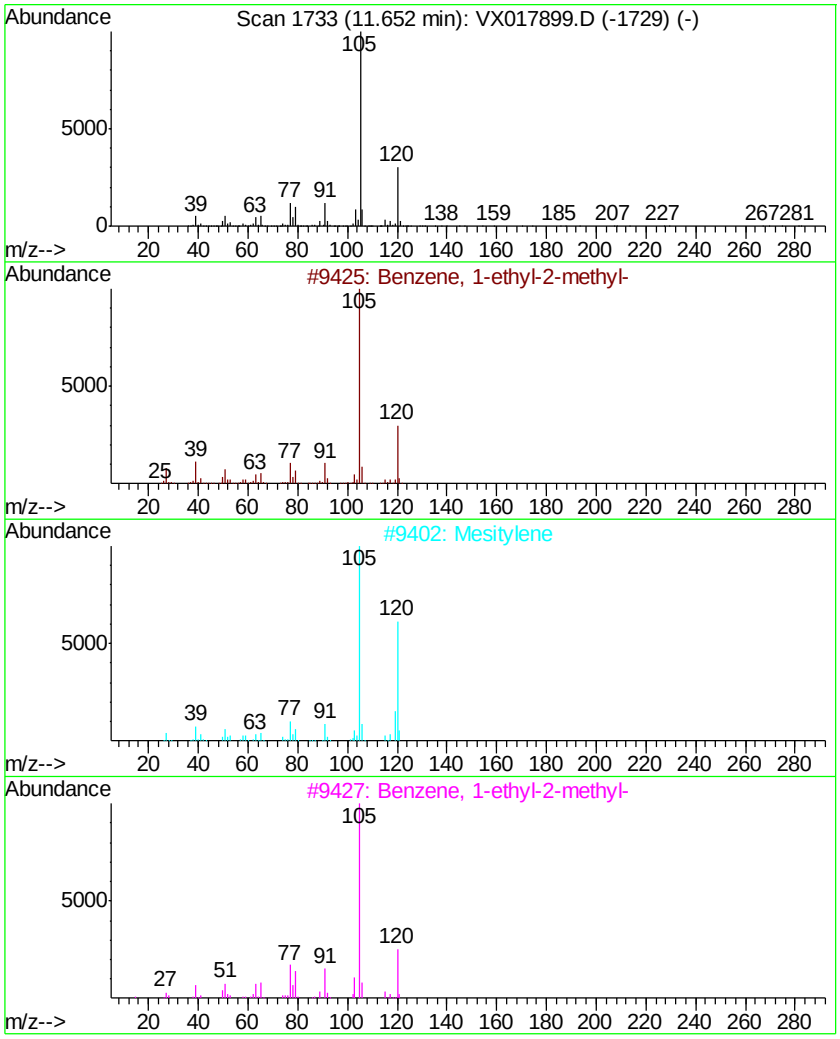
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

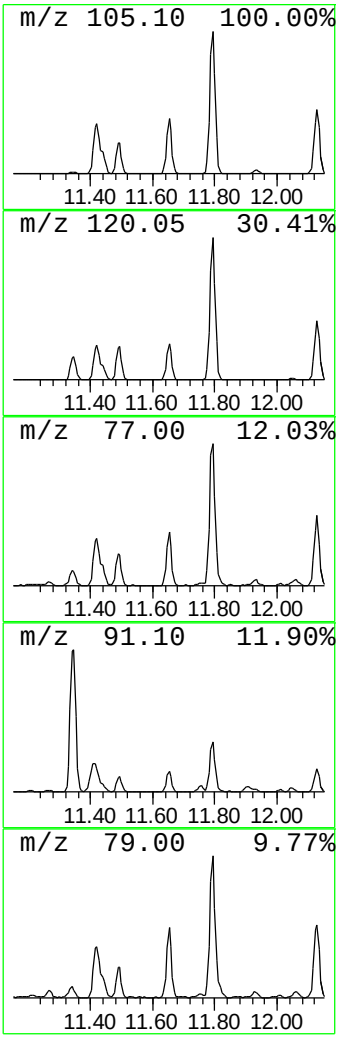
****

Peak Number 6 Mesitylene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.65	3.90 ug/L	1389010	1,4-Dichlorobenzene-d4	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Mesitylene	120	C9H12	000108-67-8	91
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081420\
Data File : VX017899.D
Acq On : 14 Aug 2020 14:53
Operator : JC/SP
Sample : L3697-04
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG0N1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR080720WMA.M
Quant Title : TRACE VOA SOM01.0

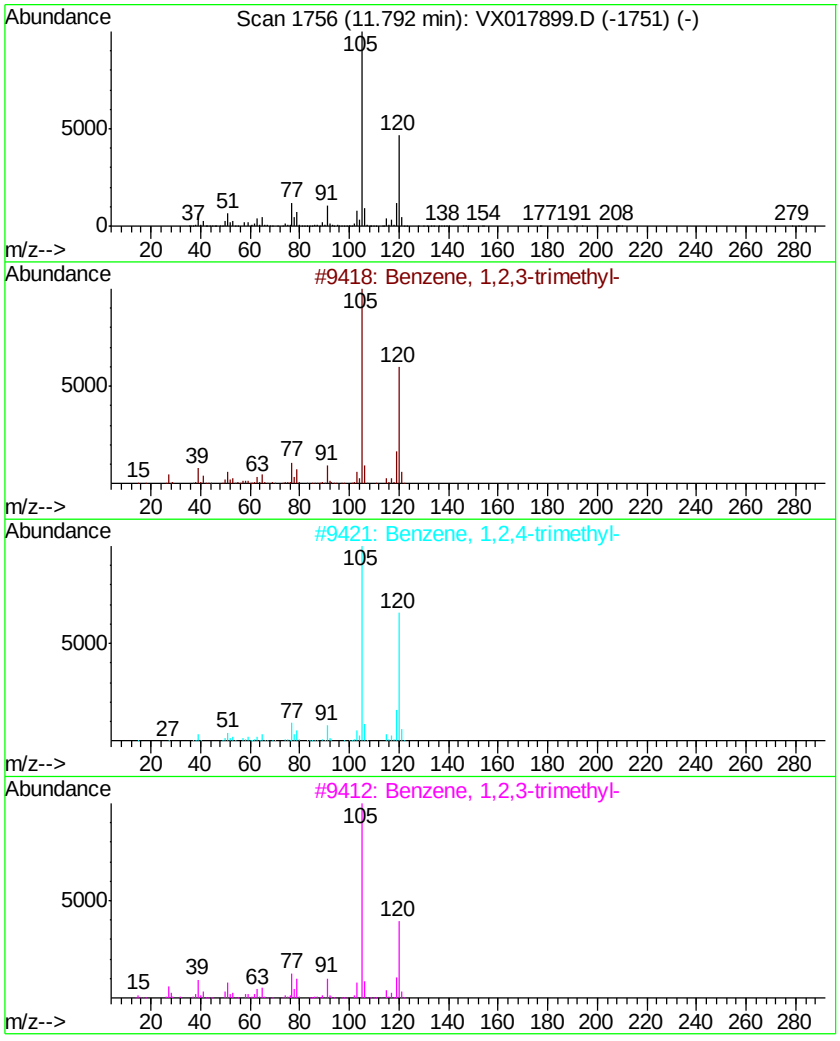
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

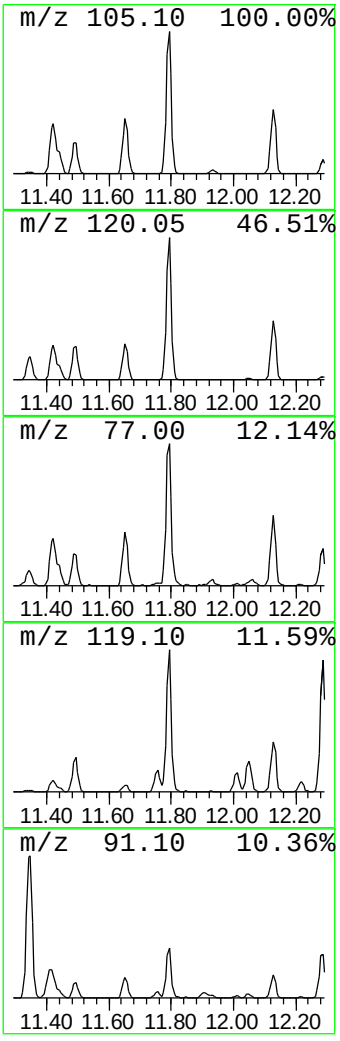
****

Peak Number 7 Benzene, 1,2,4-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	12.25 ug/L	4358440	1,4-Dichlorobenzene-d4	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081420\
Data File : VX017899.D
Acq On : 14 Aug 2020 14:53
Operator : JC/SP
Sample : L3697-04
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG0N1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR080720WMA.M
Quant Title : TRACE VOA SOM01.0

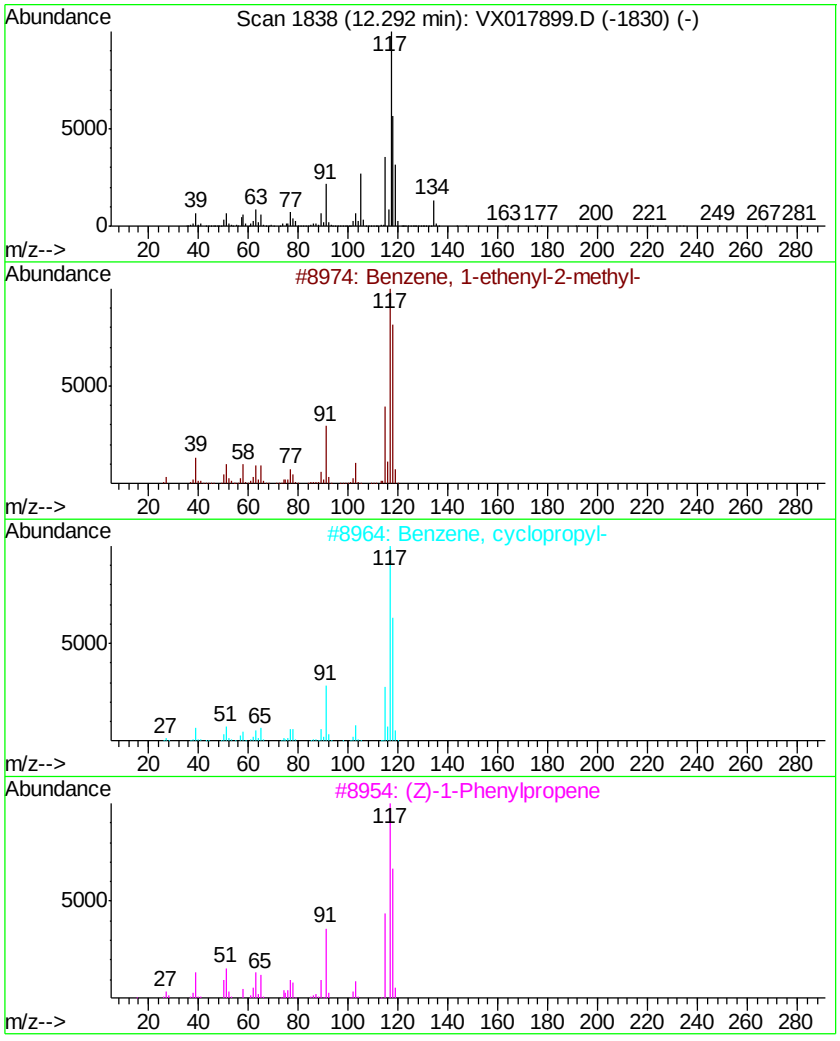
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

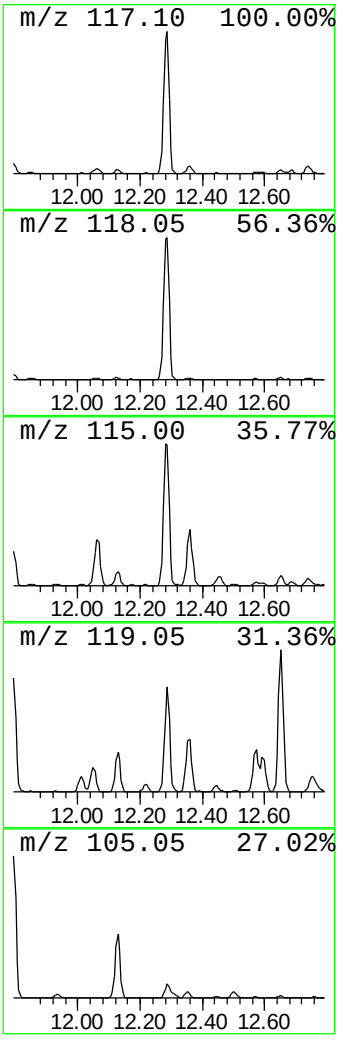
****

Peak Number 8 Benzene, 1-ethenyl-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	8.41 ug/L	2993060	1,4-Dichlorobenzene-d4	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	83
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
3	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	64
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081420\
Data File : VX017899.D
Acq On : 14 Aug 2020 14:53
Operator : JC/SP
Sample : L3697-04
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG0N1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR080720WMA.M
Quant Title : TRACE VOA SOM01.0

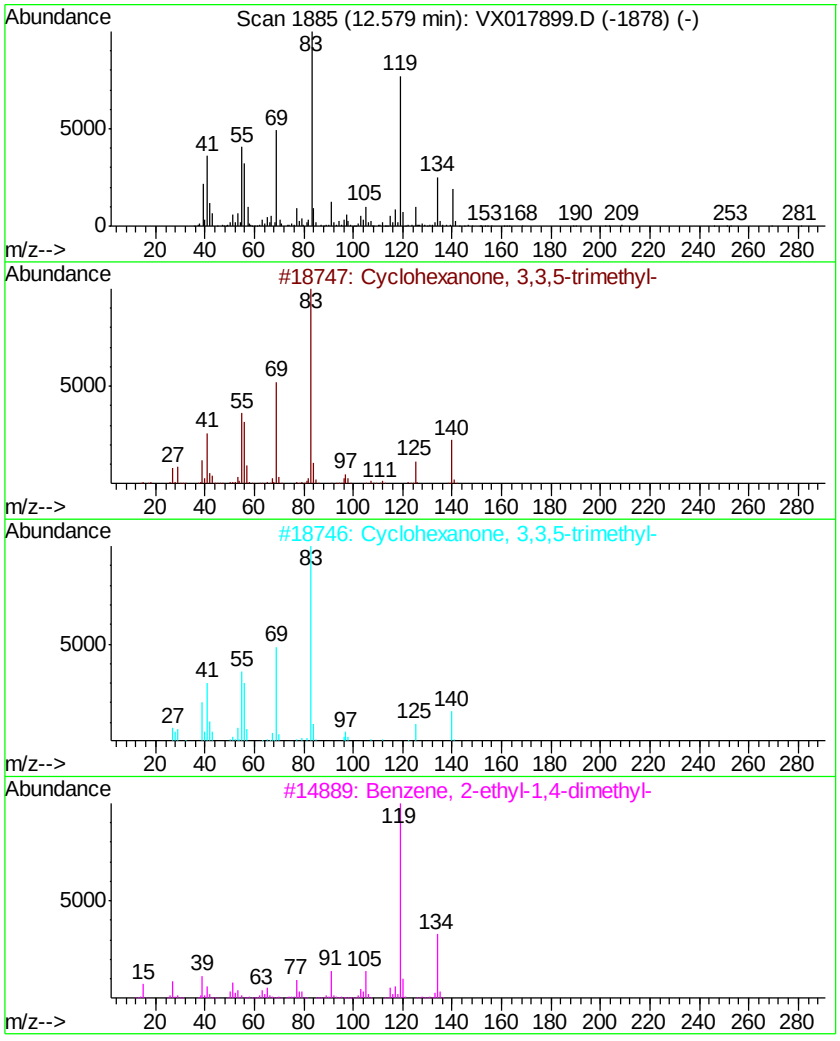
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

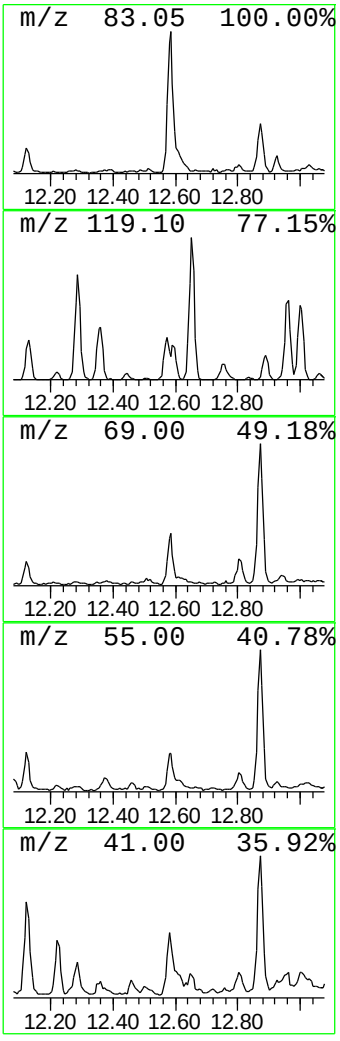
****

Peak Number 9 Cyclohexanone, 3,3,5-trimet... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.58	2.25 ug/L	800599	1,4-Dichlorobenzene-d4	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	90
2	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	90
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	89
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	86
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	86





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081420\
Data File : VX017899.D
Acq On : 14 Aug 2020 14:53
Operator : JC/SP
Sample : L3697-04
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG0N1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR080720WMA.M
Quant Title : TRACE VOA SOM01.0

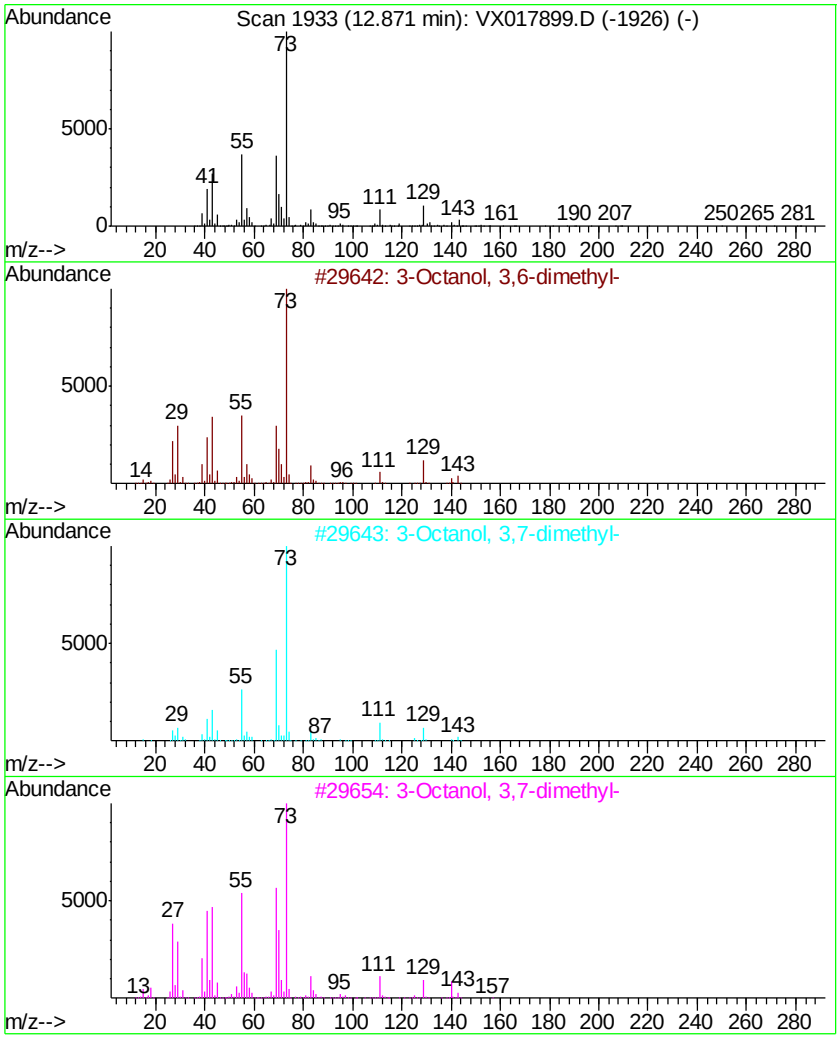
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

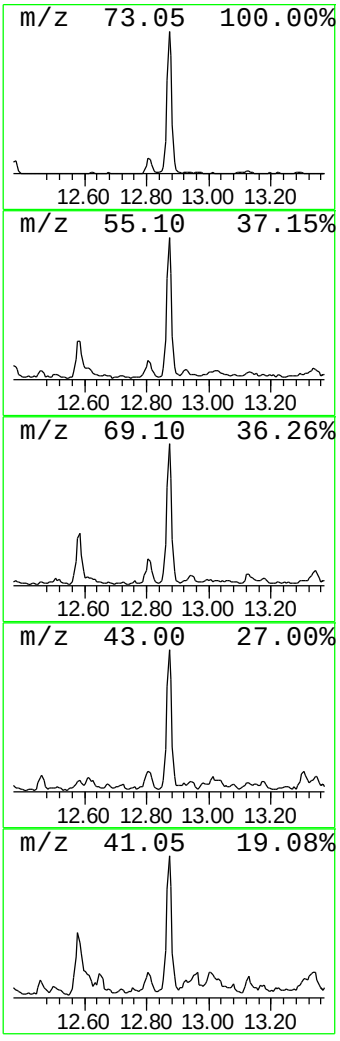
****

Peak Number 10 3-Octanol, 3,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	3.57 ug/L	1269770	1,4-Dichlorobenzene-d4	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Octanol, 3,6-dimethyl-	158	C10H22O	000151-19-9	90
2	3-Octanol, 3,7-dimethyl-	158	C10H22O	000078-69-3	50
3	3-Octanol, 3,7-dimethyl-	158	C10H22O	000078-69-3	37
4	3-Octanol, 3,7-dimethyl-	158	C10H22O	000078-69-3	32
5	3-Octanol, 3,7-dimethyl-	158	C10H22O	000078-69-3	28





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081420\
Data File : VX017899.D
Acq On : 14 Aug 2020 14:53
Operator : JC/SP
Sample : L3697-04
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG0N1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR080720WMA.M
Quant Title : TRACE VOA SOM01.0

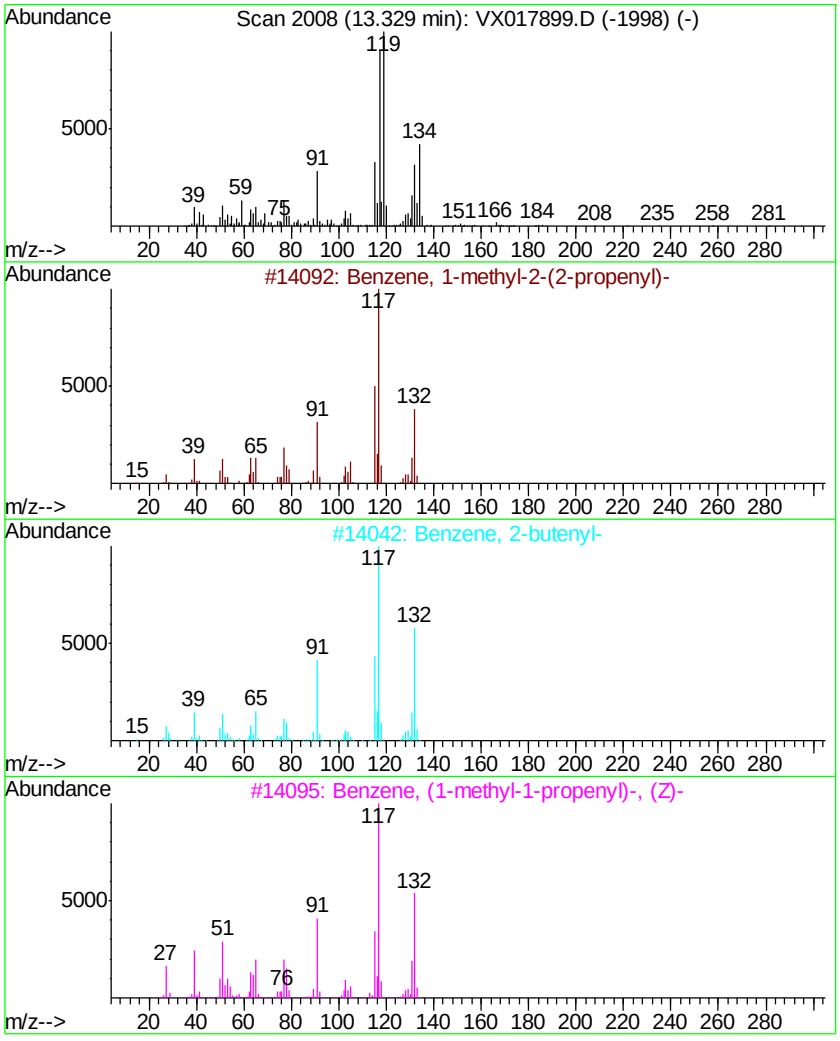
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

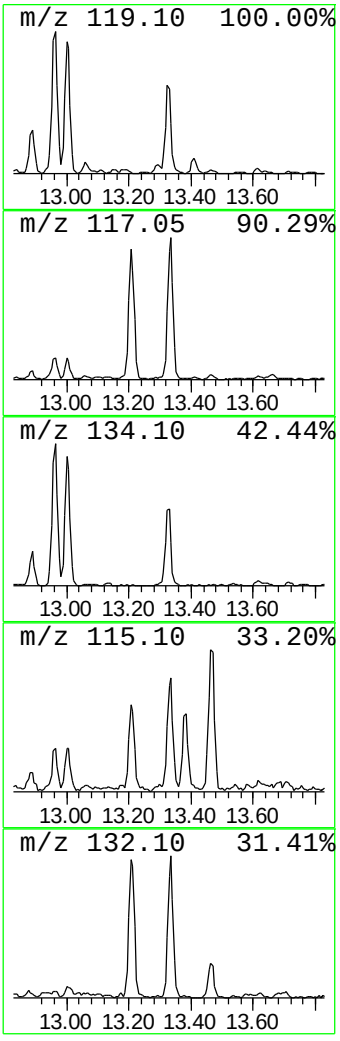
****

Peak Number 11 Benzene, 1-methyl-2-(2-prop... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.33	2.11 ug/L	752389	1,4-Dichlorobenzene-d4	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	64
2	Benzene, 2-butenyl-	132	C10H12	001560-06-1	64
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	64
4	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	64
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081420\
Data File : VX017899.D
Acq On : 14 Aug 2020 14:53
Operator : JC/SP
Sample : L3697-04
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG0N1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR080720WMA.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	12.4	ug/L	1856020	1	6.83	750578	5.0
Diisopropyl ether	3.82	37.4	ug/L	5615420	1	6.83	750578	5.0
Benzene, propyl-	11.34	4.2	ug/L	1477840	3	12.07	1779530	5.0
Benzene, 1-ethyl-...	11.42	4.7	ug/L	1682870	3	12.07	1779530	5.0
Benzene, 1,2,3-tr...	11.49	2.9	ug/L	1018400	3	12.07	1779530	5.0
Mesitylene	11.65	3.9	ug/L	1389010	3	12.07	1779530	5.0
Benzene, 1,2,4-tr...	11.79	12.3	ug/L	4358440	3	12.07	1779530	5.0
Benzene, 1-etheny...	12.29	8.4	ug/L	2993060	3	12.07	1779530	5.0
Cyclohexanone, 3,...	12.58	2.3	ug/L	800599	3	12.07	1779530	5.0
3-Octanol, 3,6-di...	12.87	3.6	ug/L	1269770	3	12.07	1779530	5.0
Benzene, 1-methyl...	13.33	2.1	ug/L	752389	3	12.07	1779530	5.0