LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052020\
Data File : VU038246.D
Acq On : 20 May 2020 14:36
Operator : JC/MD
Sample : L2724-05 40X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4T2

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_U\METHOD\SOMUTR050720WMA.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	1.613	76	85	98	rVB	204838	227945	1.80%	0.470%
2	1.932	175	184	202	rVB	172478	237036	1.88%	0.489%
3	2.401	320	330	349	rVB	110084	177007	1.40%	0.365%
4	2.591	375	389	404	rBV	282278	465150	3.68%	0.960%
5	4.035	819	838	860	rBV	293960	773460	6.12%	1.596%
6	4.571	985	1005	1019	rBV2	64625	156676	1.24%	0.323%
7	4.665	1019	1034	1065	rVV	294622	730746	5.79%	1.507%
8	5.102	1153	1170	1198	rVB	272782	605994	4.80%	1.250%
9	5.761	1353	1375	1378	rBV2	528119	1164042	9.22%	2.401%
10	5.809	1378	1390	1423	rVB	6202572	12630459	100.00%	26.055%
11	6.279	1523	1536	1562	rVB	447353	856546	6.78%	1.767%
12	6.719	1658	1673	1688	rBV	330046	637288	5.05%	1.315%
13	7.591	1930	1944	1957	rBV	176638	306148	2.42%	0.632%
14	7.922	2026	2047	2058	rBV	615354	1100049	8.71%	2.269%
15	7.993	2058	2069	2104	rVB	752442	1369726	10.84%	2.826%
16	8.202	2121	2134	2146	rBV2	111750	182666	1.45%	0.377%
17	8.655	2259	2275	2307	rBV	908309	1647124	13.04%	3.398%
18	9.436	2505	2518	2521	rBV	666542	986767	7.81%	2.036%
19	9.465	2522	2527	2552	rVV	1074874	1759051	13.93%	3.629%
20	9.587	2552	2565	2589	rVV	2279553	4026905	31.88%	8.307%
21	9.706	2589	2602	2637	rVB	5530505	9191805	72.77%	18.961%
22	10.115	2716	2729	2759	rVB	1836719	3027091	23.97%	6.244%
23	10.771	2910	2933	2943	rBV	246320	414188	3.28%	0.854%
24	10.906	2962	2975	2993	rBV2	297956	555920	4.40%	1.147%
25	11.009	2996	3007	3025	rVB	242905	390738	3.09%	0.806%
26	11.102	3025	3036	3048	rBV2	128527	200865	1.59%	0.414%
27	11.304	3088	3099	3121	rVB	165127	269334	2.13%	0.556%
28	11.478	3141	3153	3171	rVB	556015	870356	6.89%	1.795%
29	11.825	3246	3261	3275	rBV	697720	1225794	9.71%	2.529%
30	11.902	3275	3285	3303	rVB2	274294	465907	3.69%	0.961%
31	12.108	3334	3349	3366	rVV2	174493	286297	2.27%	0.591%
32	12.205	3366	3379	3399	rVB	682086	1149101	9.10%	2.370%
33	12.494	3451	3469	3480	rBV	211738	388076	3.07%	0.801%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052020\
Data File : VU038246.D
Acq On : 20 May 2020 14:36
Operator : JC/MD
Sample : L2724-05 40X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BE4T2

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_U\METHOD\SOMUTR050720WMA.M
Title : TRACE VOA SOM01.0

Sum of corrected areas: 48476257

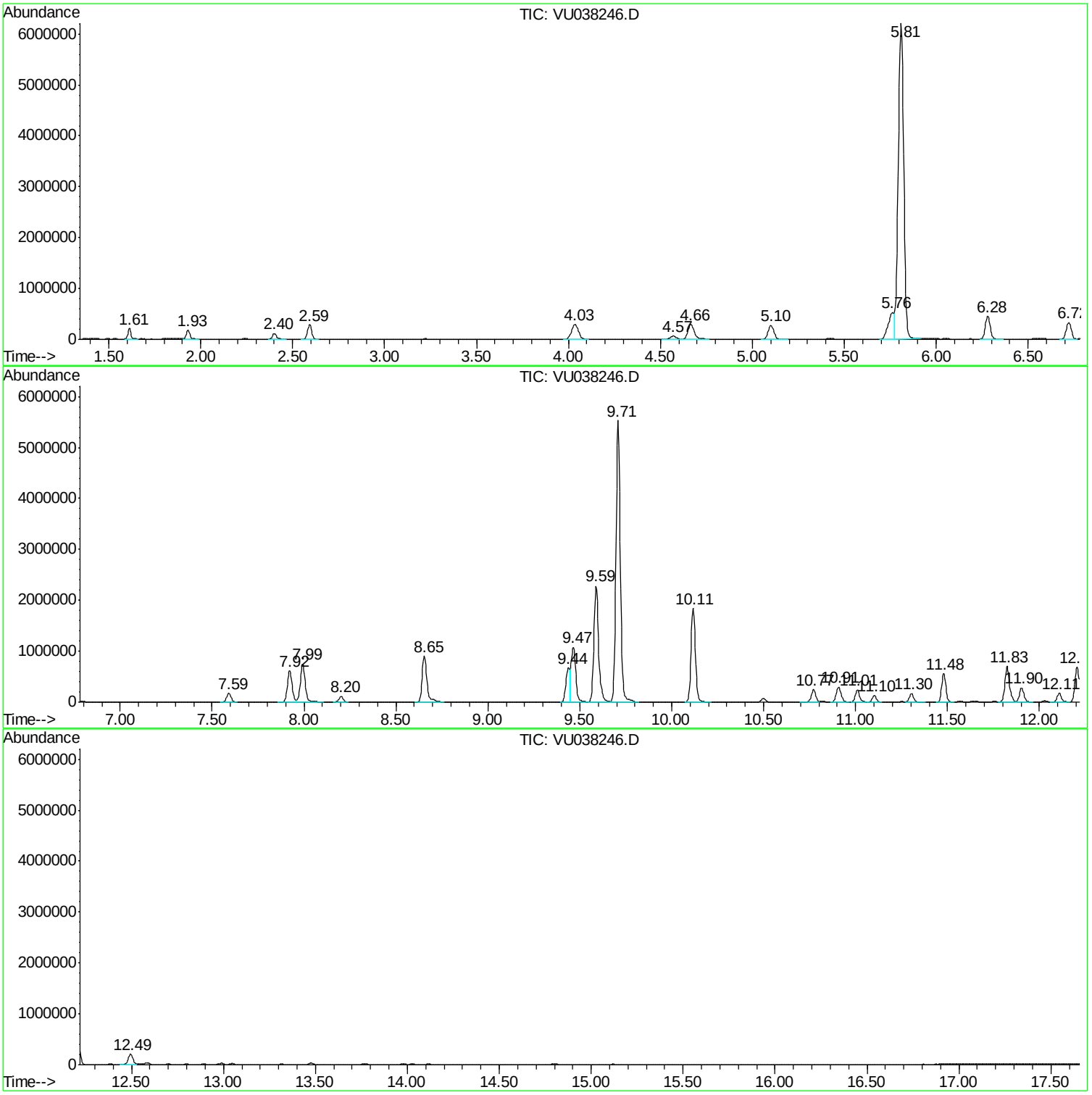
LSC Report - Integrated Chromatogram

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052020\
Data File : VU038246.D
Acq On : 20 May 2020 14:36
Operator : JC/MD
Sample : L2724-05 40X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BE4T2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052020\
Data File : VU038246.D
Acq On : 20 May 2020 14:36
Operator : JC/MD
Sample : L2724-05 40X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4T2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

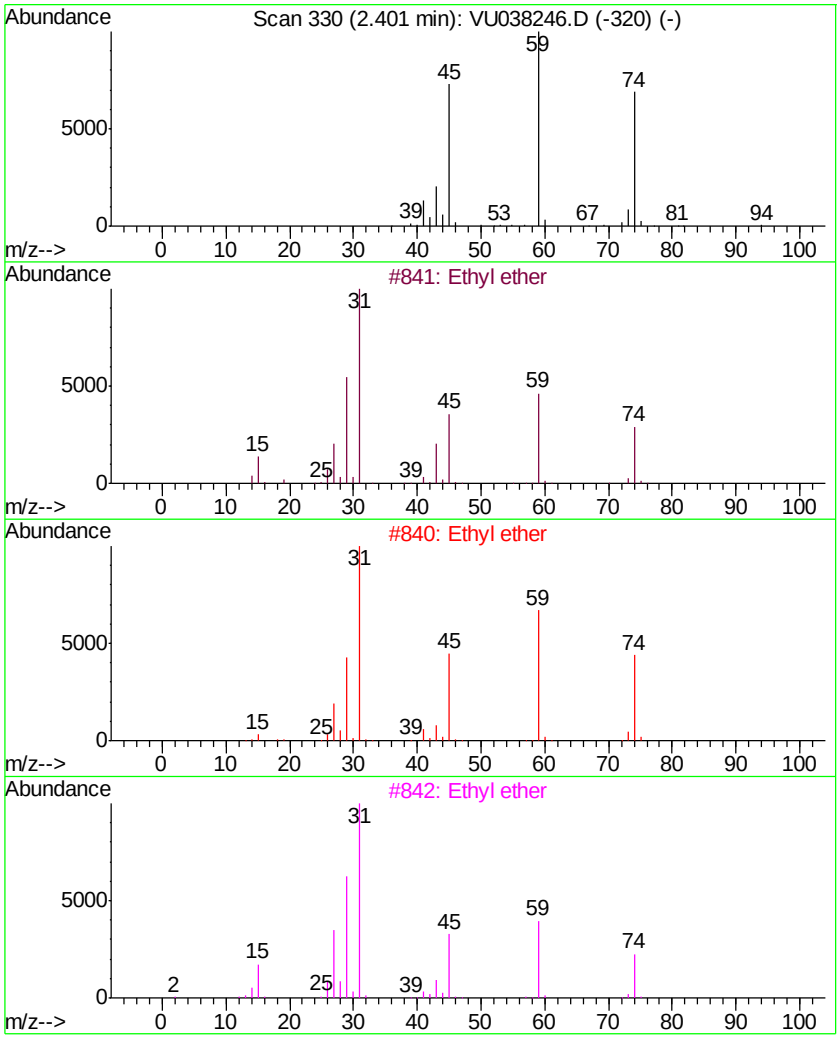
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

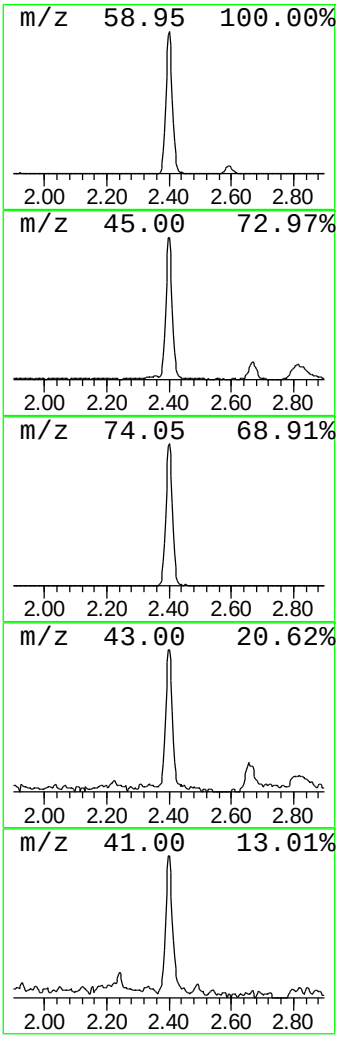
****

Peak Number 1 Ethyl ether Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.40	1.03 ug/L	177007	1,4-Difluorobenzene	6.28

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	83
5	Ethyl ether	74	C4H10O	000060-29-7	50





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052020\
Data File : VU038246.D
Acq On : 20 May 2020 14:36
Operator : JC/MD
Sample : L2724-05 40X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4T2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

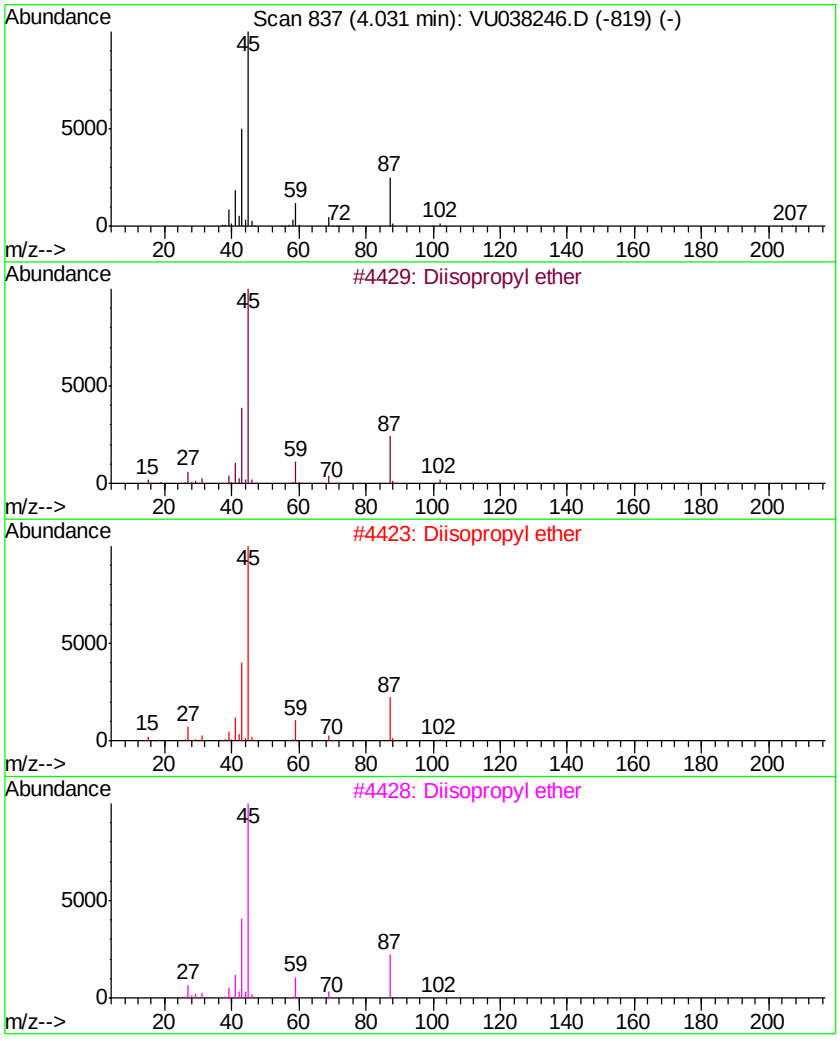
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

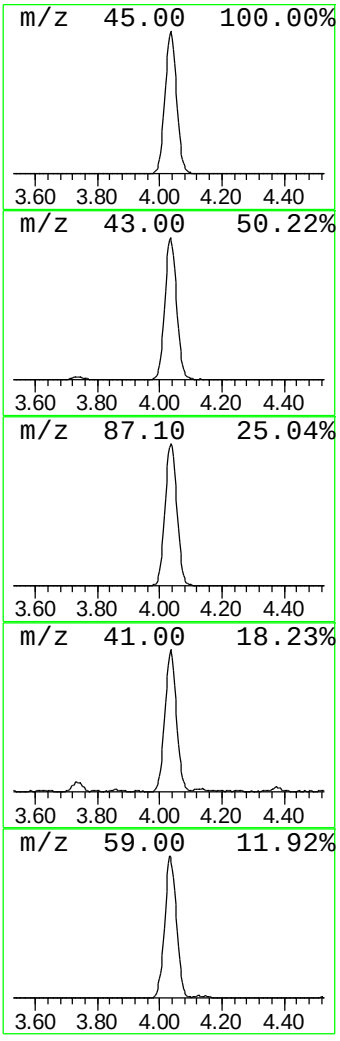
****

Peak Number 2 Diisopropyl ether Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.03	4.51 ug/L	773460	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diisopropyl ether	102	C6H14O	000108-20-3	90
2	Diisopropyl ether	102	C6H14O	000108-20-3	83
3	Diisopropyl ether	102	C6H14O	000108-20-3	83
4	Ether, 2-chloro-1-methylethyl is...	136	C6H13ClO	098277-76-0	78
5	Ether, sec-butyl isopropyl	116	C7H16O	018641-81-1	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052020\
Data File : VU038246.D
Acq On : 20 May 2020 14:36
Operator : JC/MD
Sample : L2724-05 40X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4T2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

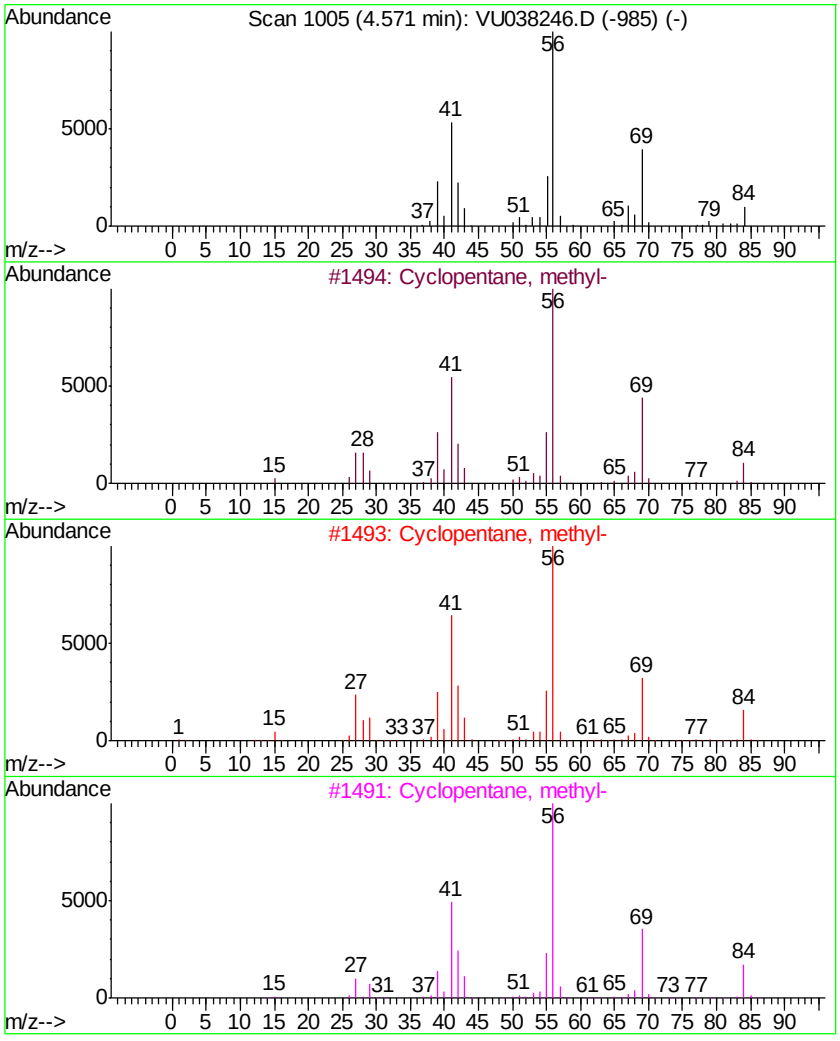
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

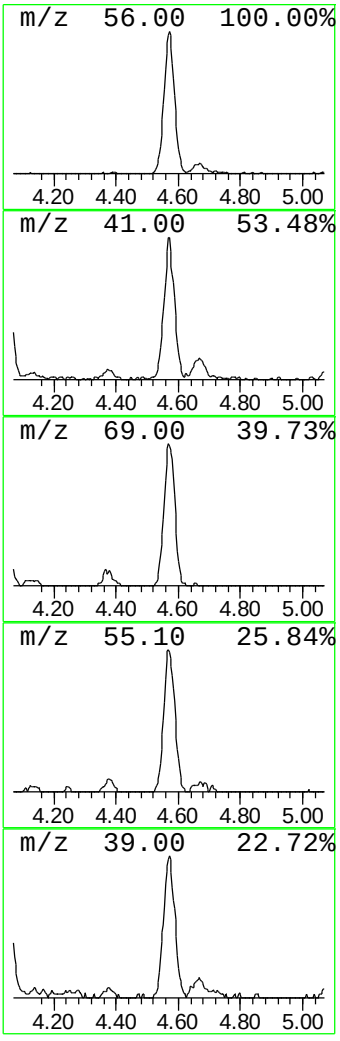
****

Peak Number 3 (DEL) Alkane: Cyclic4.57 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.57	0.91 ug/L	156676	1,4-Difluorobenzene	6.28

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	91
3	Cyclopentane, methyl-	84	C6H12	000096-37-7	90
4	Propane, 2-cyclopropyl-	84	C6H12	003638-35-5	72
5	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052020\
Data File : VU038246.D
Acq On : 20 May 2020 14:36
Operator : JC/MD
Sample : L2724-05 40X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4T2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

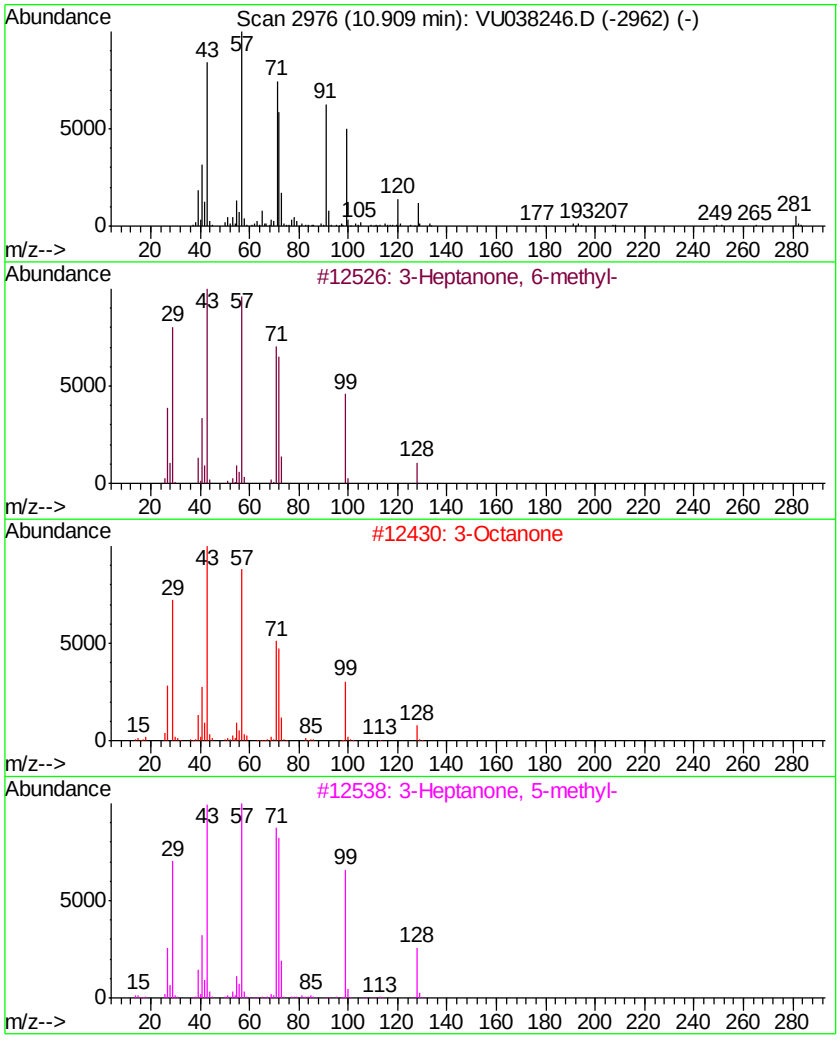
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

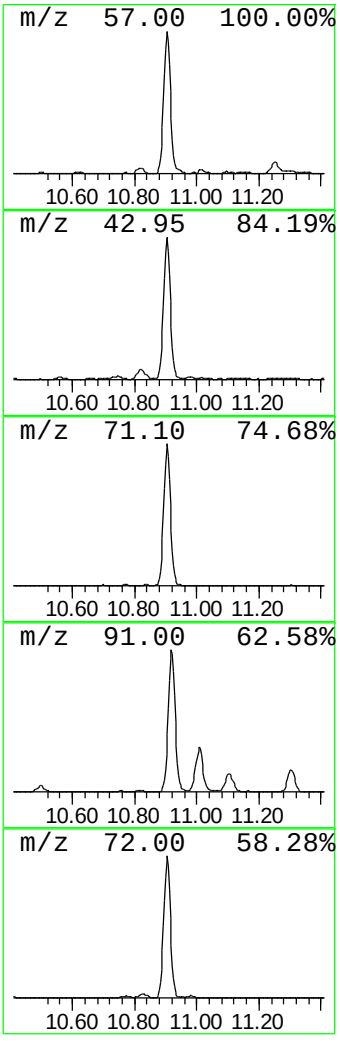
****

Peak Number 5 3-Heptanone, 6-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.91	2.27 ug/L	555920	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Heptanone, 6-methyl-	128	C8H16O	000624-42-0	94
2	3-Octanone	128	C8H16O	000106-68-3	90
3	3-Heptanone, 5-methyl-	128	C8H16O	000541-85-5	90
4	3-Heptanone, 5-methyl-	128	C8H16O	000541-85-5	90
5	3-Octanone	128	C8H16O	000106-68-3	76





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052020\
Data File : VU038246.D
Acq On : 20 May 2020 14:36
Operator : JC/MD
Sample : L2724-05 40X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4T2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

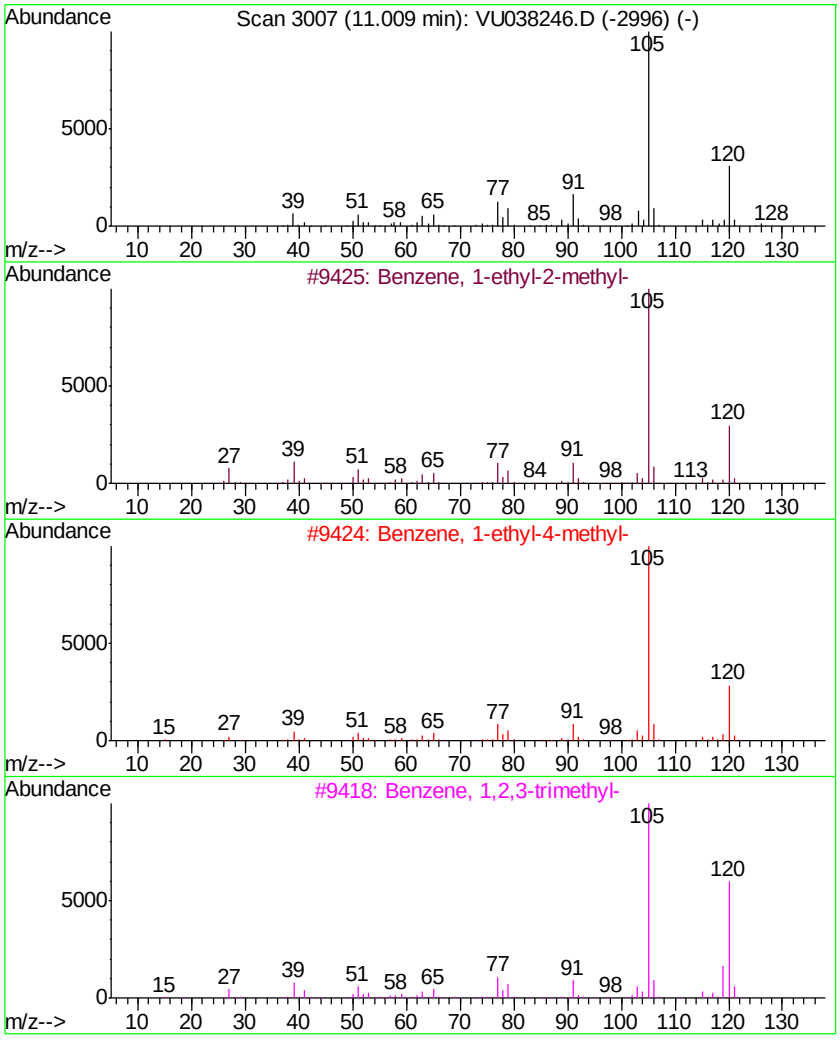
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

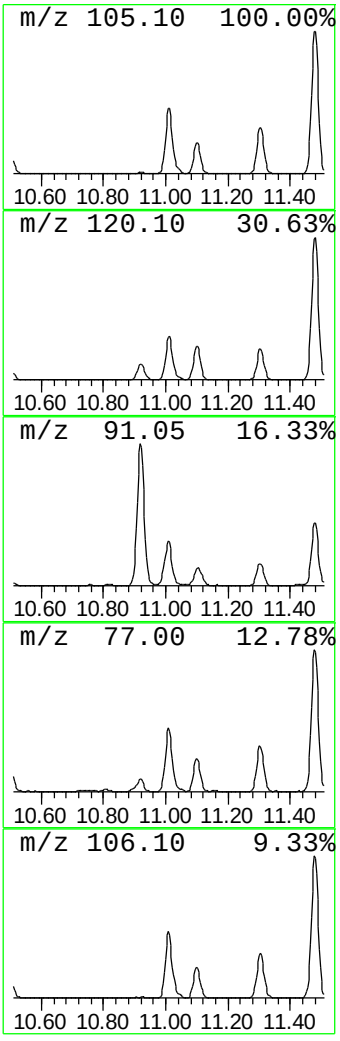
****

Peak Number 6 Benzene, 1-ethyl-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.01	1.59 ug/L	390738	1,4-Dichlorobenzene-d4	11.82

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-4-methyl-	120	C9H12	000622-96-8	91
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052020\
Data File : VU038246.D
Acq On : 20 May 2020 14:36
Operator : JC/MD
Sample : L2724-05 40X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4T2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

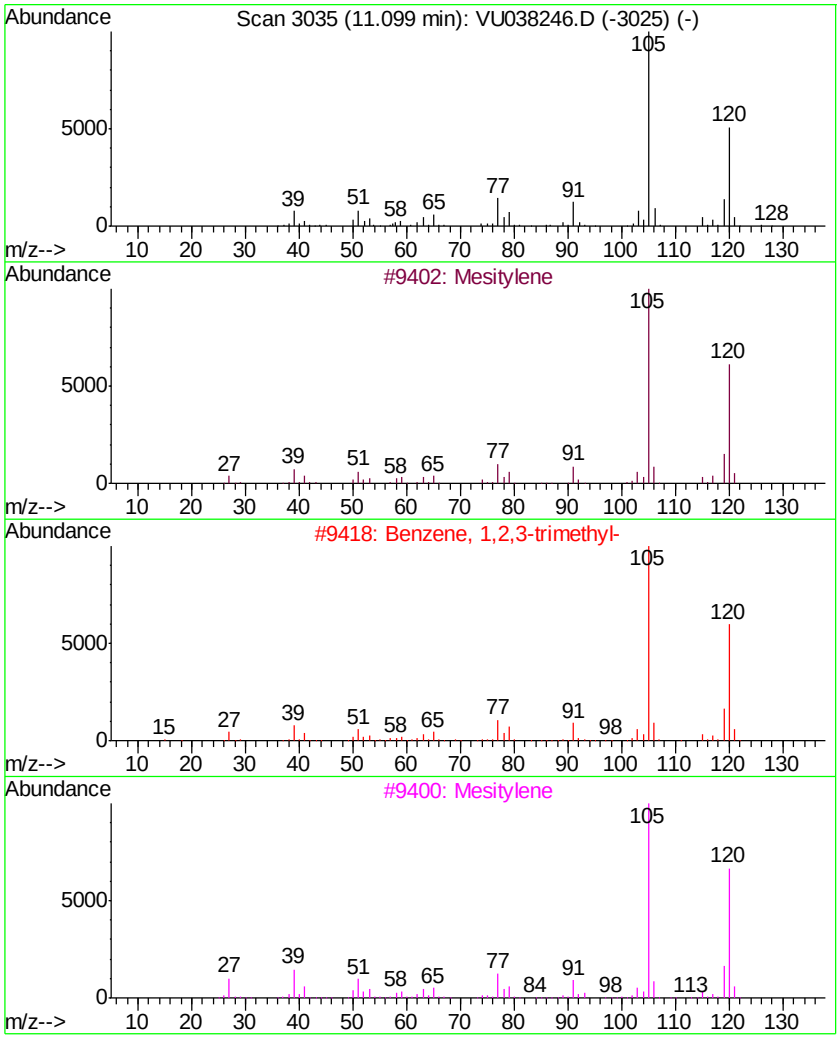
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

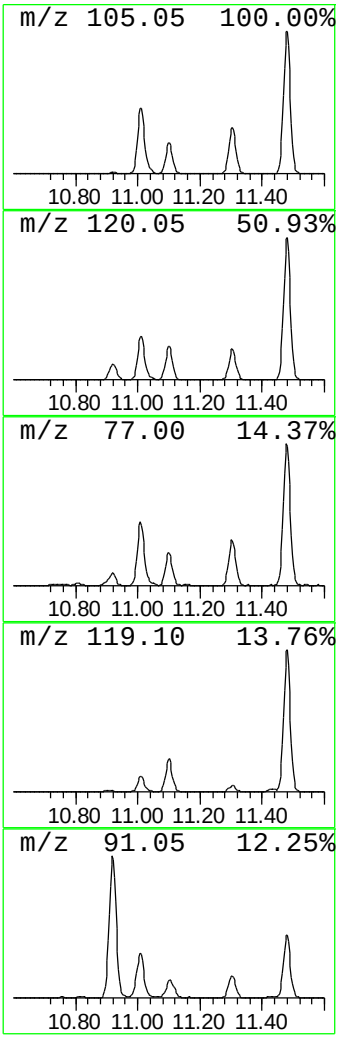
****

Peak Number 7 Mesitylene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.10	0.82 ug/L	200865	1,4-Dichlorobenzene-d4	11.82

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





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052020\
Data File : VU038246.D
Acq On : 20 May 2020 14:36
Operator : JC/MD
Sample : L2724-05 40X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4T2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

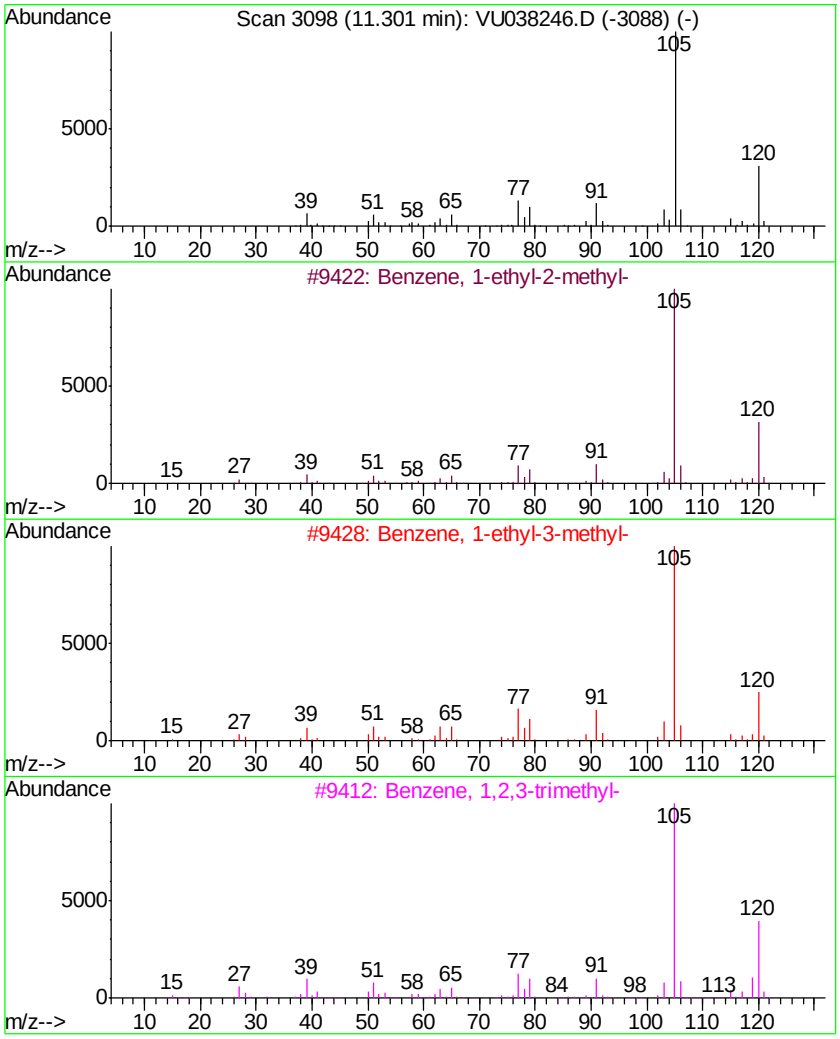
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

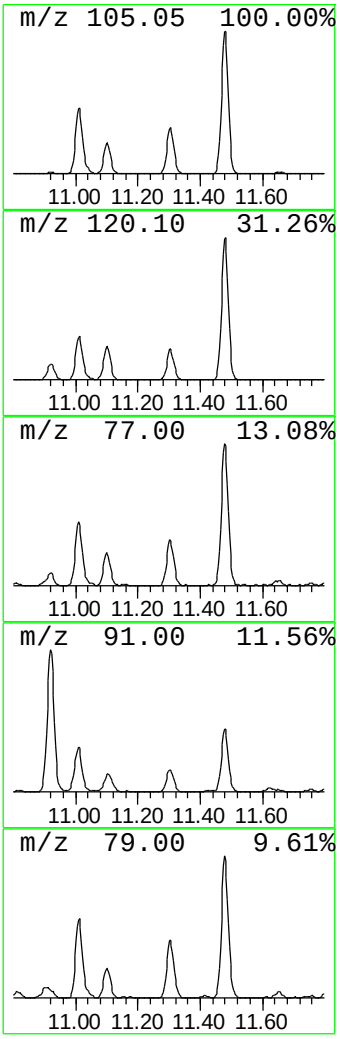
****

Peak Number 8 Benzene, 1-ethyl-3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.30	1.10 ug/L	269334	1,4-Dichlorobenzene-d4	11.82

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	91
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052020\
Data File : VU038246.D
Acq On : 20 May 2020 14:36
Operator : JC/MD
Sample : L2724-05 40X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4T2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

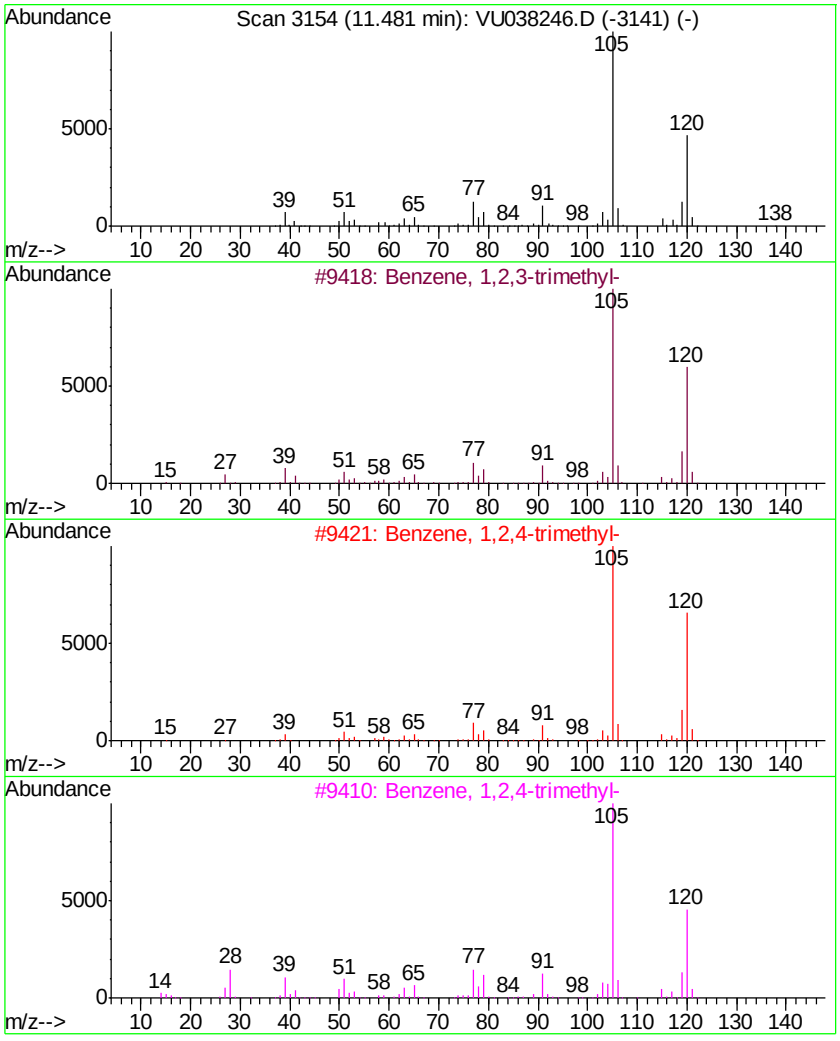
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

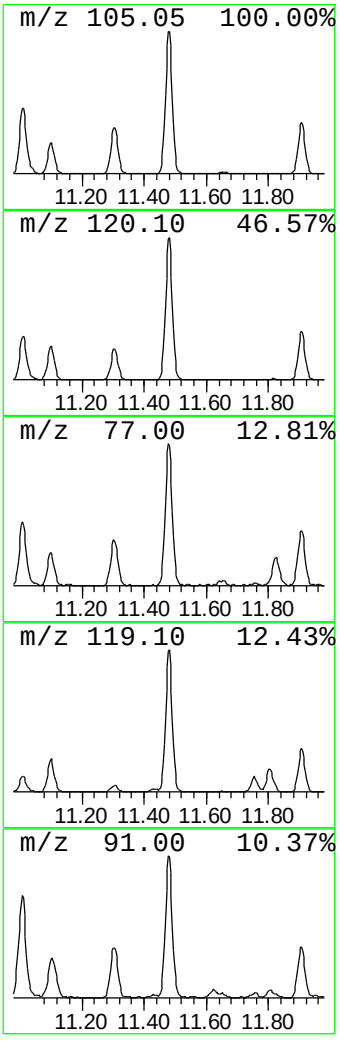
****

Peak Number 9 Benzene, 1,2,3-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.48	3.55 ug/L	870356	1,4-Dichlorobenzene-d4	11.82

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	94
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
5	Mesitylene	120	C9H12	000108-67-8	93





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052020\
Data File : VU038246.D
Acq On : 20 May 2020 14:36
Operator : JC/MD
Sample : L2724-05 40X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4T2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

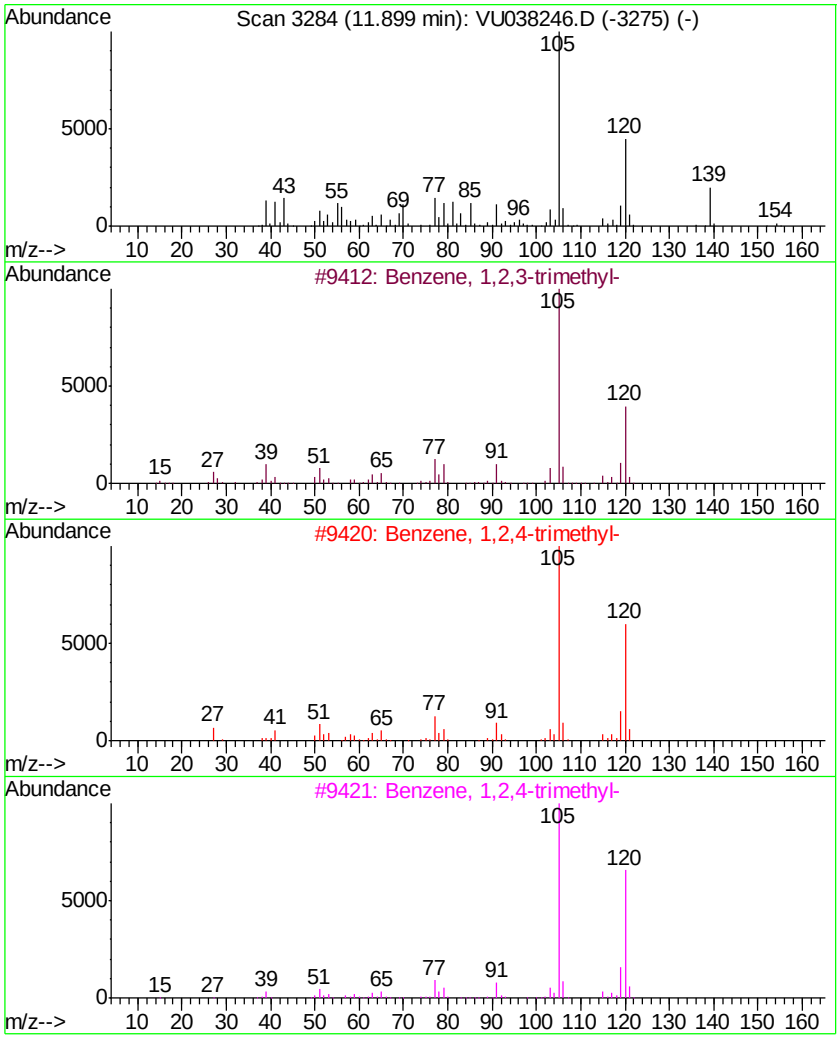
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

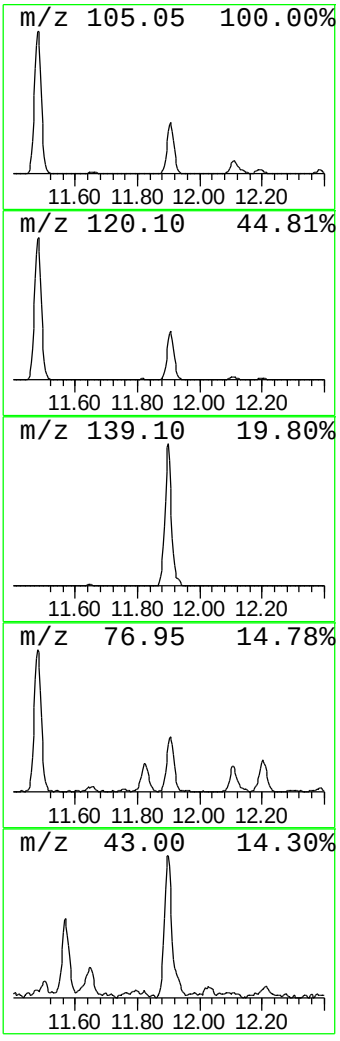
****

Peak Number 10 Benzene, 1,2,4-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	1.90 ug/L	465907	1,4-Dichlorobenzene-d4	11.82

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052020\
Data File : VU038246.D
Acq On : 20 May 2020 14:36
Operator : JC/MD
Sample : L2724-05 40X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4T2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

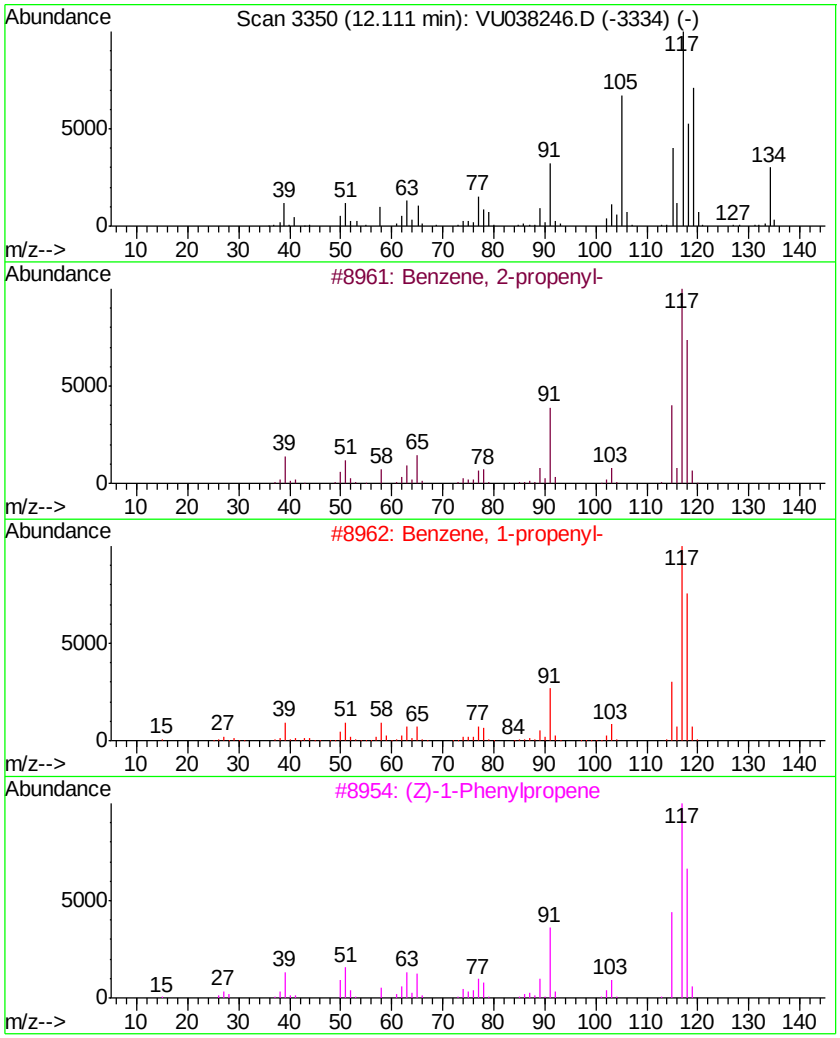
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

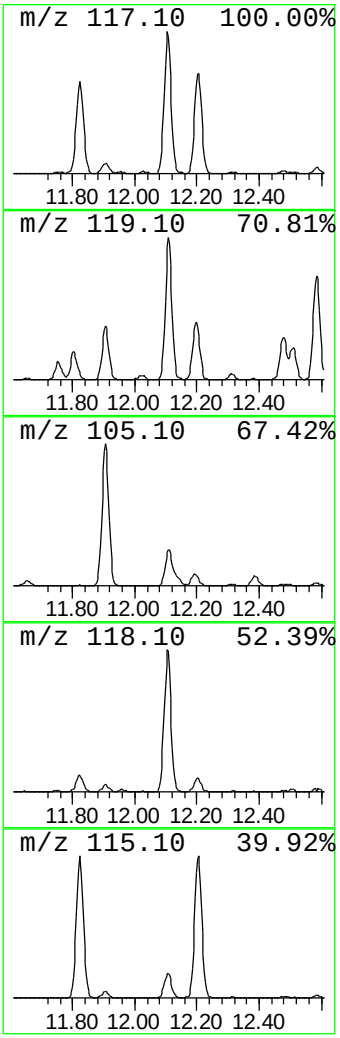
****

Peak Number 11 Benzene, 2-propenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	1.17 ug/L	286297	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-propenyl-	118	C9H10	000300-57-2	92
2	Benzene, 1-propenyl-	118	C9H10	000637-50-3	78
3	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	70
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	70
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	60





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052020\
Data File : VU038246.D
Acq On : 20 May 2020 14:36
Operator : JC/MD
Sample : L2724-05 40X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4T2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

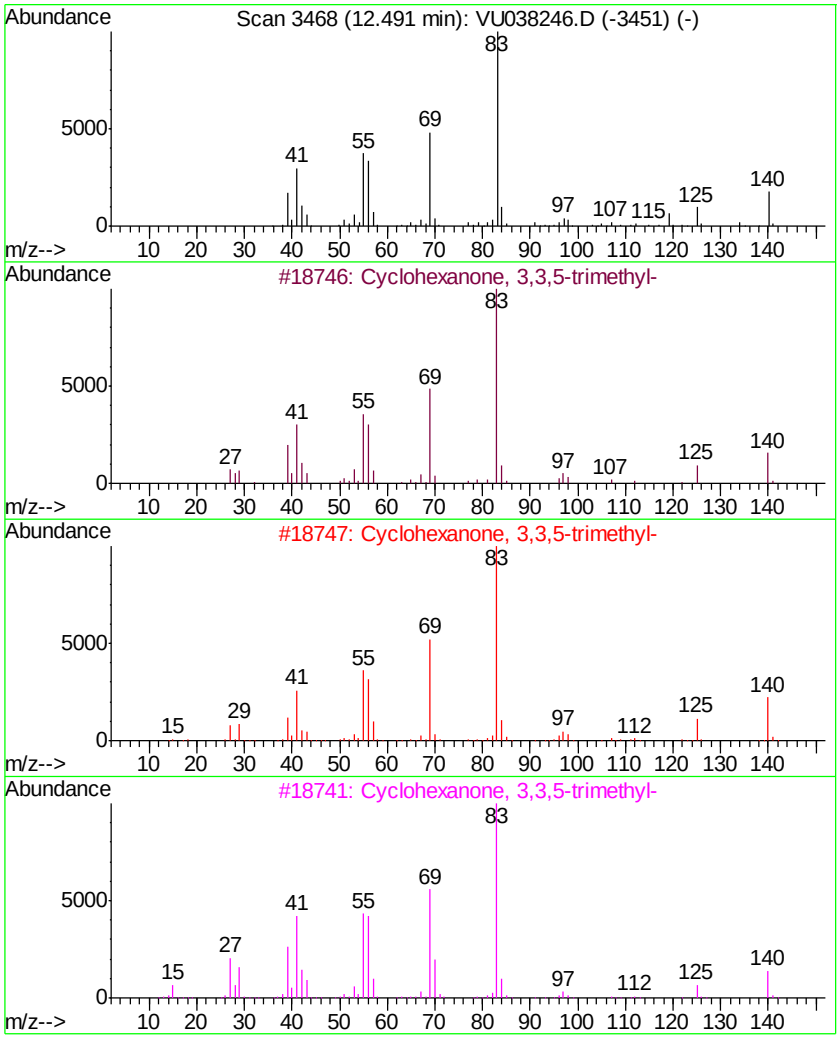
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

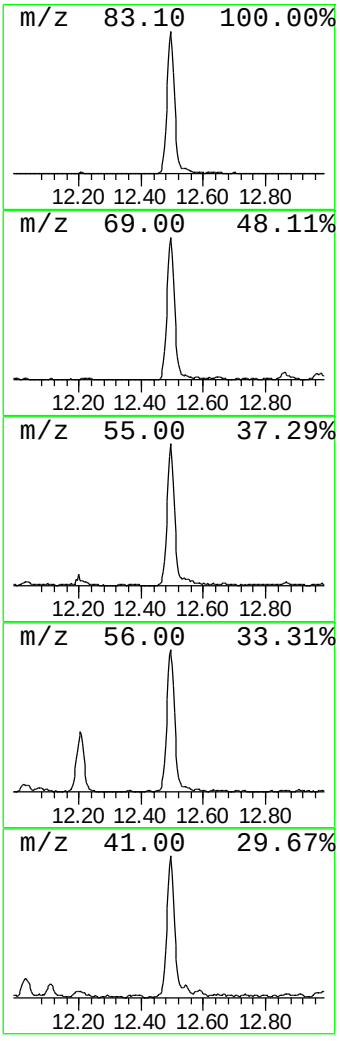
****

Peak Number 12 Cyclohexanone, 3,3,5-trimet... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	1.58 ug/L	388076	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	97
2	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	96
3	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	91
4	1,3-Cyclohexanedione, 5,5-dimethyl-	140	C8H12O2	000126-81-8	53
5	1H-1,2,4-Triazole, 3-(2-methylpr...	125	C6H11N3	040515-29-5	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052020\
Data File : VU038246.D
Acq On : 20 May 2020 14:36
Operator : JC/MD
Sample : L2724-05 40X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4T2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.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	2.40	1.0	ug/L	177007	1	6.28	856546	5.0
Diisopropyl ether	4.03	4.5	ug/L	773460	1	6.28	856546	5.0
(DEL) Alkane: Cyc...	4.57	0.9	ug/L	156676	1	6.28	856546	5.0
3-Heptanone, 6-me...	10.91	2.3	ug/L	555920	3	11.82	1225790	5.0
Benzene, 1-ethyl-...	11.01	1.6	ug/L	390738	3	11.82	1225790	5.0
Mesitylene	11.10	0.8	ug/L	200865	3	11.82	1225790	5.0
Benzene, 1-ethyl-...	11.30	1.1	ug/L	269334	3	11.82	1225790	5.0
Benzene, 1,2,3-tr...	11.48	3.5	ug/L	870356	3	11.82	1225790	5.0
Benzene, 1,2,4-tr...	11.90	1.9	ug/L	465907	3	11.82	1225790	5.0
Benzene, 2-propenyl-	12.11	1.2	ug/L	286297	3	11.82	1225790	5.0
Cyclohexanone, 3,...	12.49	1.6	ug/L	388076	3	11.82	1225790	5.0