LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092620\
Data File : VU040315.D
Acq On : 25 Sep 2020 21:20
Operator : SY/MD
Sample : L4139-03
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG4A4

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\SOMUTR083120WMA.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	2.388	315	326	346	rVB	176059	273073	3.54%	1.631%
2	2.578	371	385	400	rBV	84873	142768	1.85%	0.853%
3	3.099	538	547	561	rVB	64738	128987	1.67%	0.770%
4	3.379	615	634	656	rBV2	128633	282824	3.66%	1.689%
5	3.716	723	739	760	rVB	135352	302780	3.92%	1.808%
6	4.012	811	831	855	rBV	548710	1410177	18.27%	8.421%
7	4.552	981	999	1016	rBV2	182625	435034	5.64%	2.598%
8	4.658	1016	1032	1072	rVB	80254	282707	3.66%	1.688%
9	5.083	1147	1164	1194	rBV2	107680	272850	3.54%	1.629%
10	5.790	1348	1384	1412	rBV	3615992	7717595	100.00%	46.086%
11	6.263	1518	1531	1546	rVB	172957	325525	4.22%	1.944%
12	6.703	1652	1668	1680	rBV	111593	216638	2.81%	1.294%
13	7.575	1926	1939	1953	rBV2	51281	90234	1.17%	0.539%
14	7.906	2016	2042	2055	rBV	186055	325139	4.21%	1.942%
15	8.639	2257	2270	2306	rBV	344718	643923	8.34%	3.845%
16	9.449	2516	2522	2542	rVB	574893	924207	11.98%	5.519%
17	9.693	2583	2598	2612	rBV	332713	547052	7.09%	3.267%
18	10.481	2831	2843	2857	rBV	208612	325271	4.21%	1.942%
19	10.755	2910	2928	2952	rVB	96552	165969	2.15%	0.991%
20	10.899	2952	2973	2992	rBV2	69805	135762	1.76%	0.811%
21	11.288	3082	3094	3108	rBV	128235	200961	2.60%	1.200%
22	11.462	3139	3148	3163	rVB	60012	100681	1.30%	0.601%
23	11.806	3242	3255	3270	rBV2	265600	500882	6.49%	2.991%
24	11.886	3270	3280	3294	rVB	128408	207995	2.70%	1.242%
25	12.086	3327	3342	3360	rVB3	108609	177707	2.30%	1.061%
26	12.189	3360	3374	3393	rVB3	251001	525592	6.81%	3.139%
27	12.854	3571	3581	3593	rVB3	50970	83890	1.09%	0.501%

Sum of corrected areas: 16746223

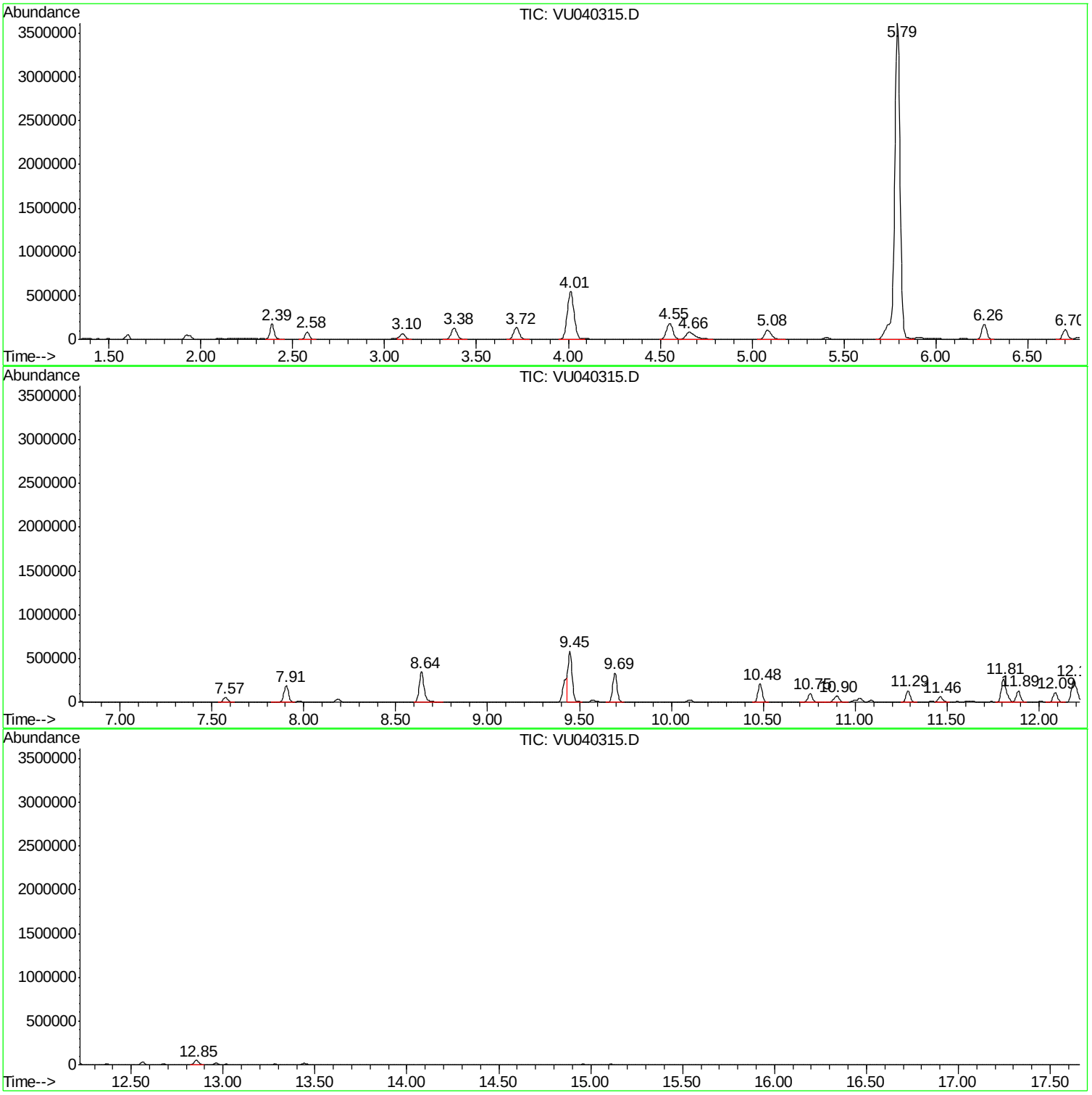
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092620\
Data File : VU040315.D
Acq On : 25 Sep 2020 21:20
Operator : SY/MD
Sample : L4139-03
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG4A4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.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_U\DATA\VU092620\
Data File : VU040315.D
Acq On : 25 Sep 2020 21:20
Operator : SY/MD
Sample : L4139-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG4A4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0

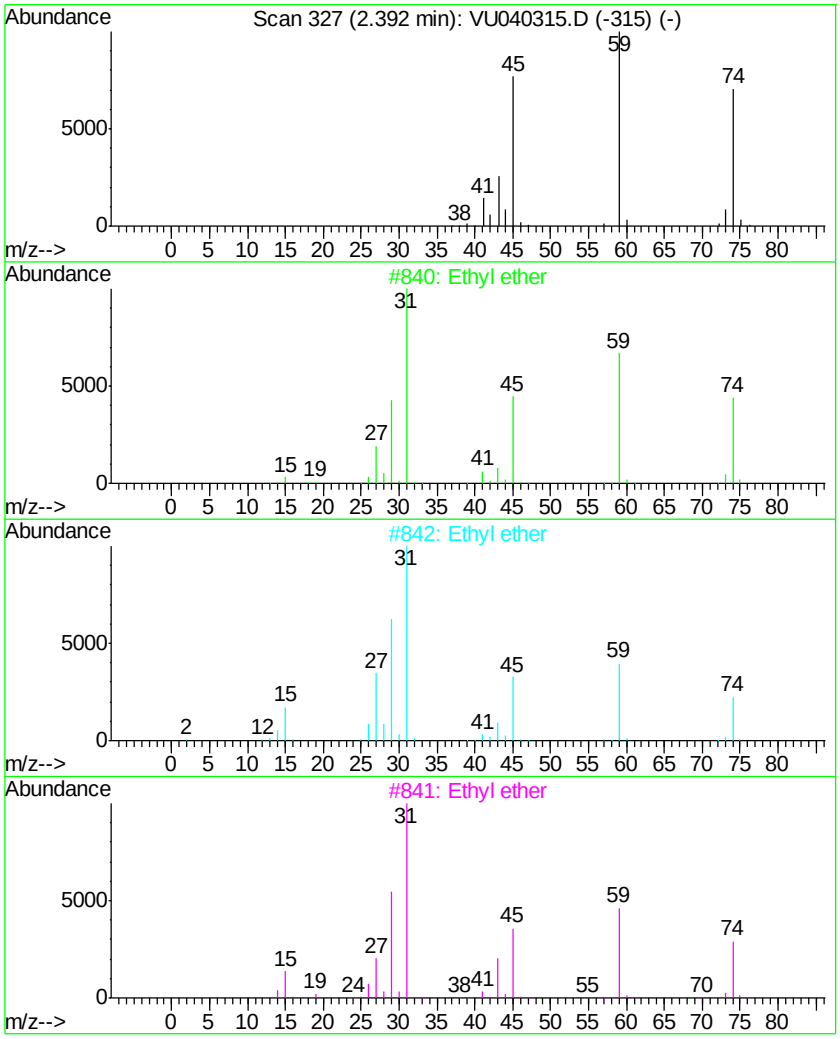
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

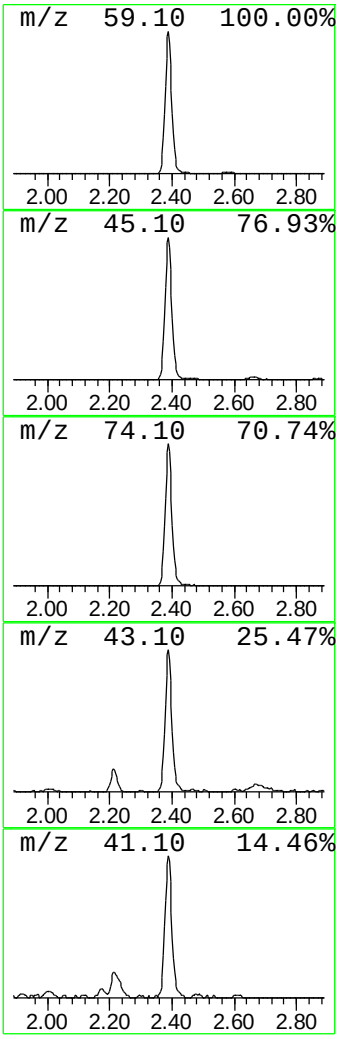
****

Peak Number 1 Ethyl ether Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.39	4.19 ug/L	273073	1,4-Difluorobenzene	6.26

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	Ethyl ether	74	C4H10O	000060-29-7	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092620\
Data File : VU040315.D
Acq On : 25 Sep 2020 21:20
Operator : SY/MD
Sample : L4139-03
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG4A4

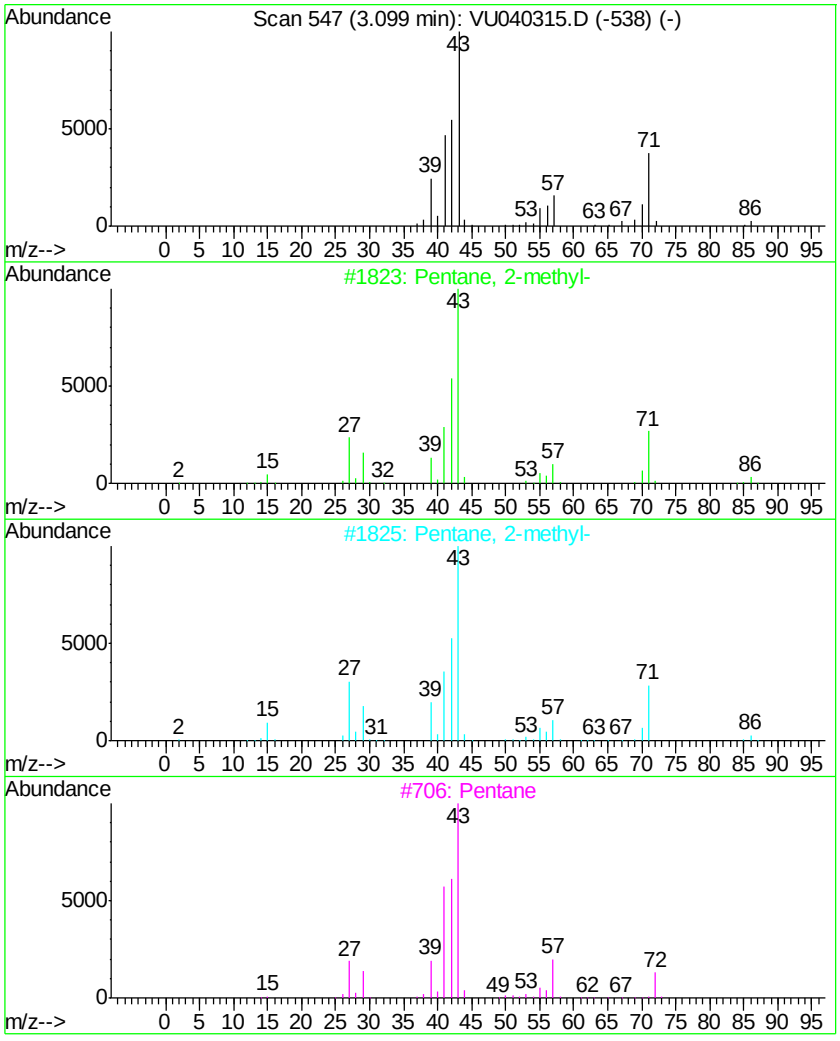
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0

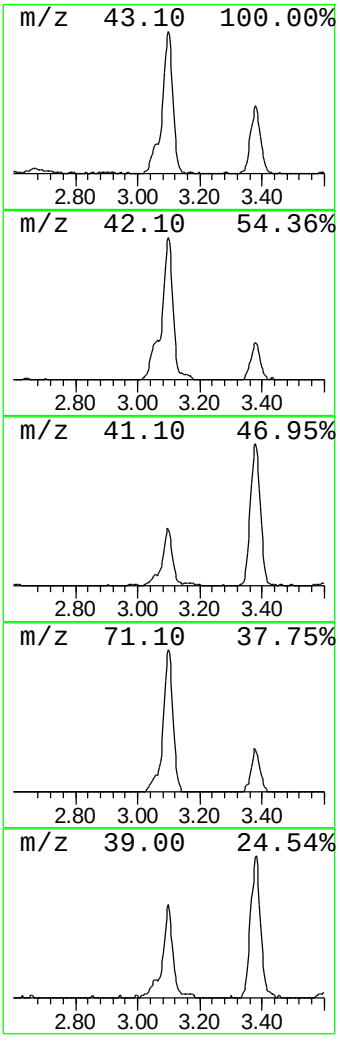
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.10	1.98 ug/L	128987	1,4-Difluorobenzene	6.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	91
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	90
3	Pentane	72	C5H12	000109-66-0	47
4	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	38
5	Pentane	72	C5H12	000109-66-0	28





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092620\
Data File : VU040315.D
Acq On : 25 Sep 2020 21:20
Operator : SY/MD
Sample : L4139-03
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG4A4

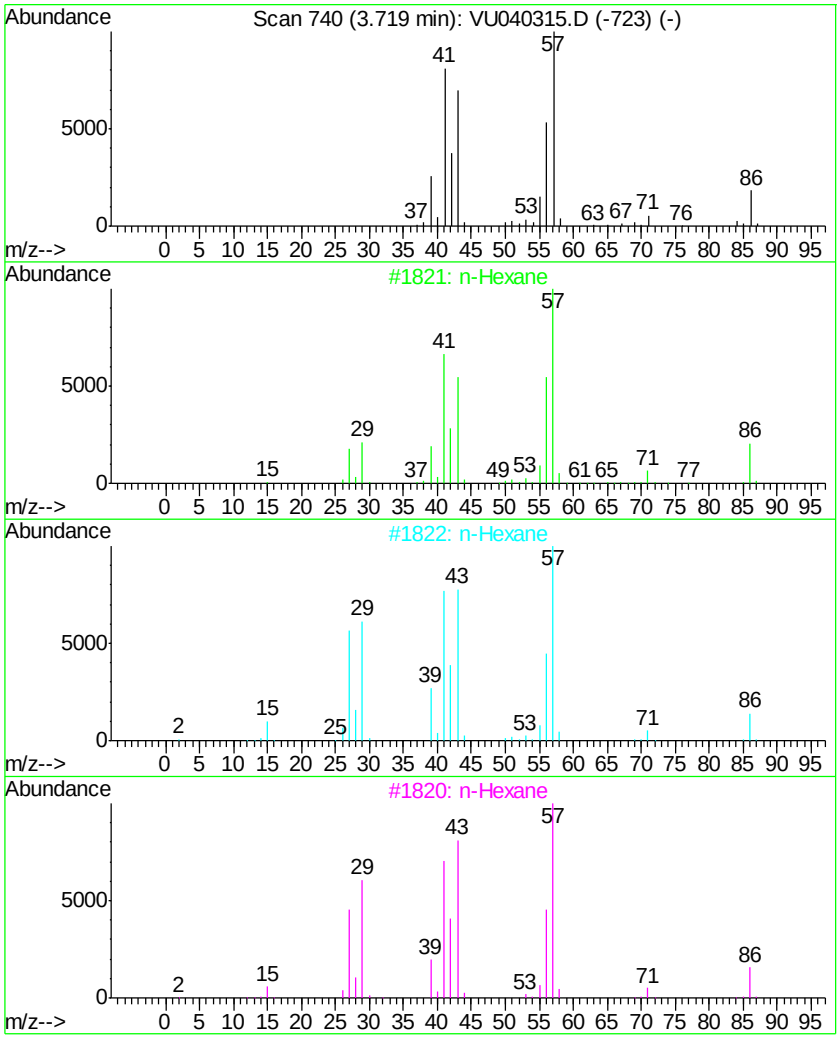
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0

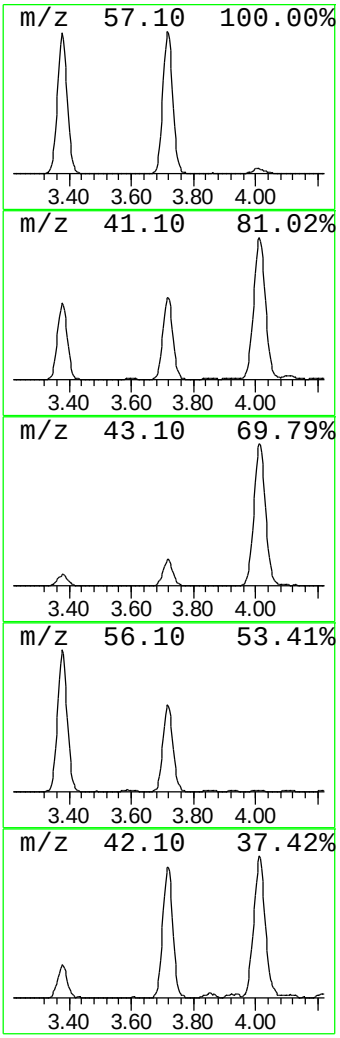
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.72	4.65 ug/L	302780	1,4-Difluorobenzene	6.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	91
2	n-Hexane	86	C6H14	000110-54-3	91
3	n-Hexane	86	C6H14	000110-54-3	90
4	2H-Pyran-2-one, tetrahydro-5,6-d...	128	C7H12O2	024405-16-1	43
5	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	42





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092620\
Data File : VU040315.D
Acq On : 25 Sep 2020 21:20
Operator : SY/MD
Sample : L4139-03
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG4A4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0

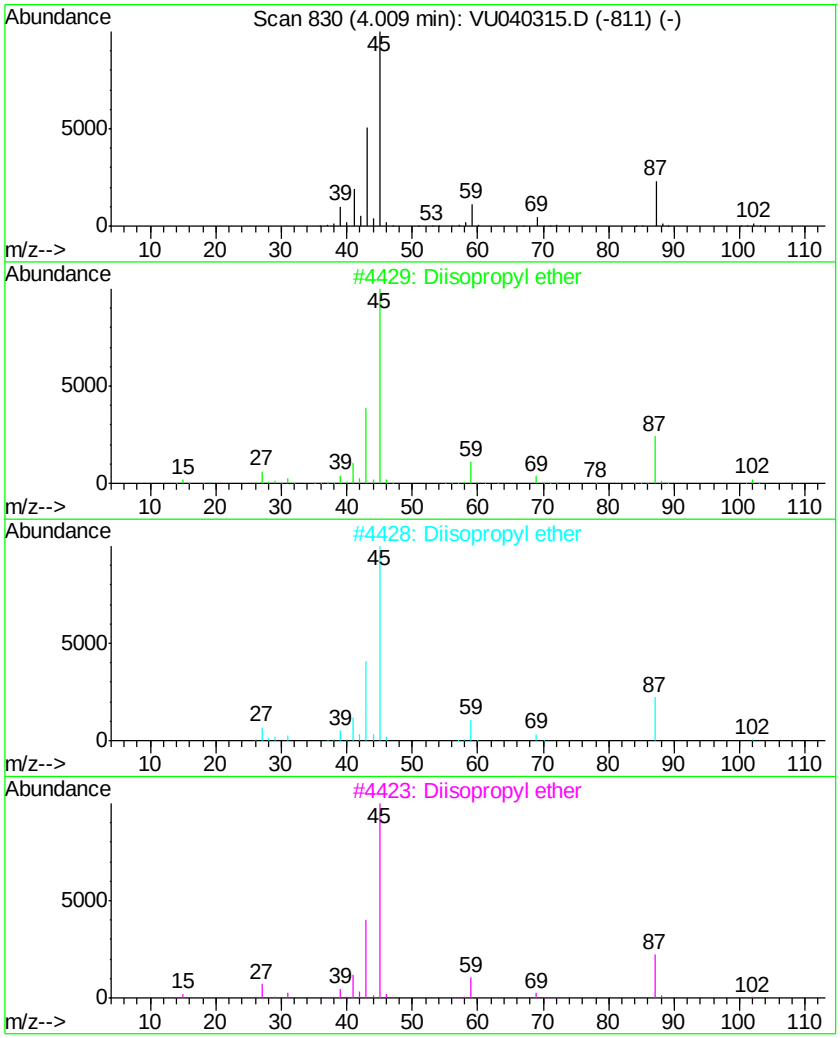
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

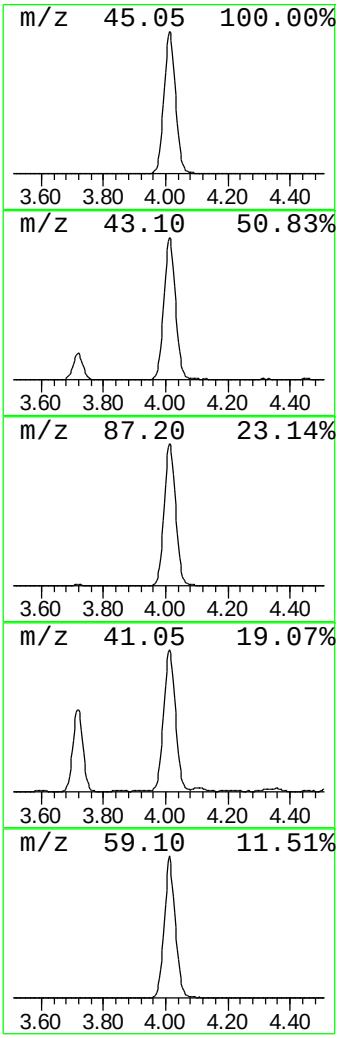
****

Peak Number 4 Diisopropyl ether Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.01	21.66 ug/L	1410180	1,4-Difluorobenzene	6.26

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	2-Propanone, 1-methoxy-	88	C4H8O2	005878-19-3	59
5	Acetoin	88	C4H8O2	000513-86-0	58





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092620\
Data File : VU040315.D
Acq On : 25 Sep 2020 21:20
Operator : SY/MD
Sample : L4139-03
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG4A4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0

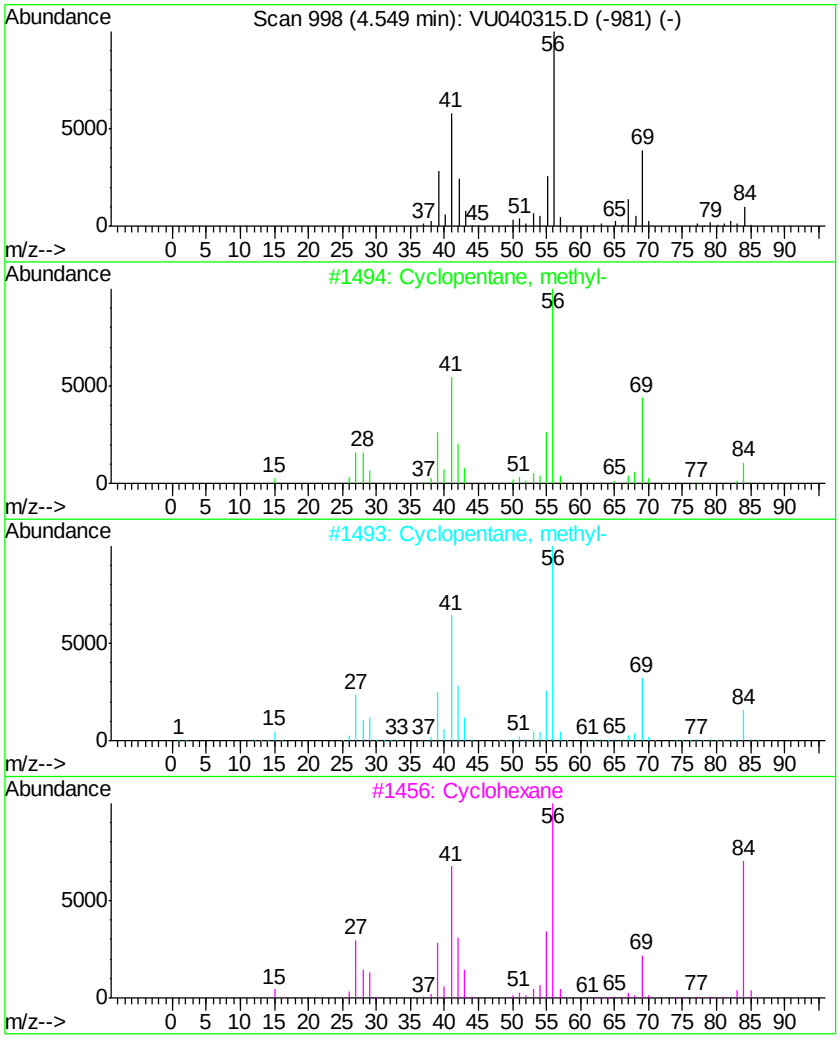
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

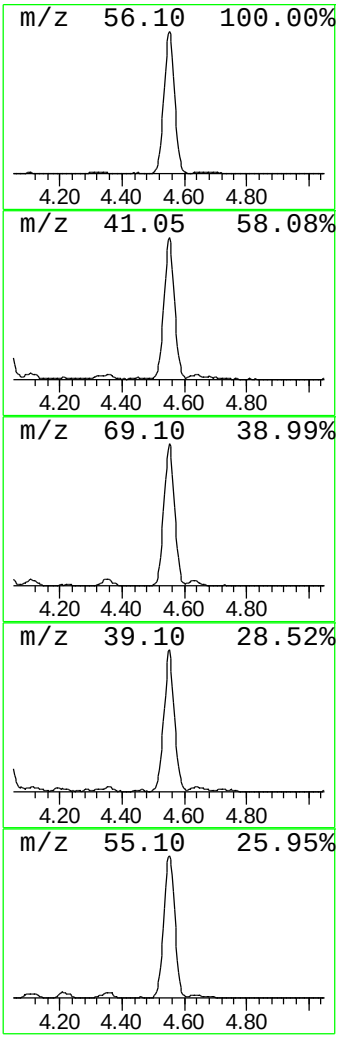
****

Peak Number 5 (DEL) Alkane: Cyclic4.55 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.55	6.68 ug/L	435034	1,4-Difluorobenzene	6.26

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	Cyclohexane	84	C6H12	000110-82-7	86
4	Cyclohexane	84	C6H12	000110-82-7	86
5	Cyclopentane, methyl-	84	C6H12	000096-37-7	80





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092620\
Data File : VU040315.D
Acq On : 25 Sep 2020 21:20
Operator : SY/MD
Sample : L4139-03
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG4A4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0

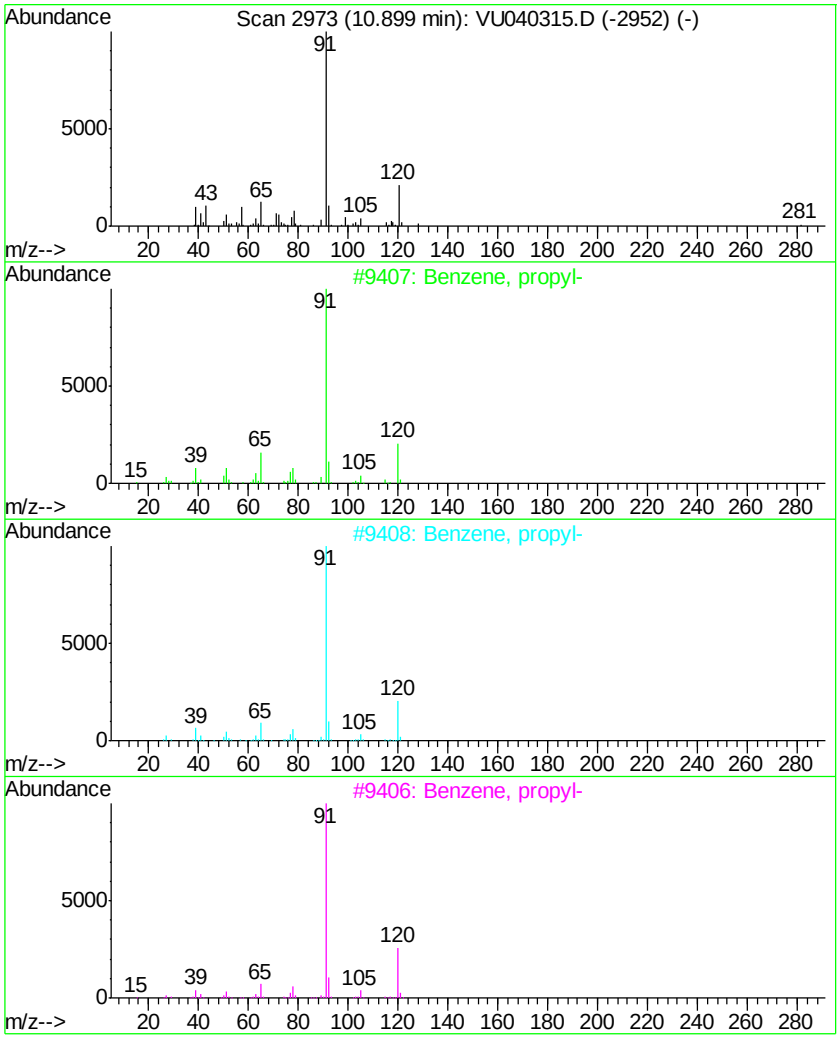
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

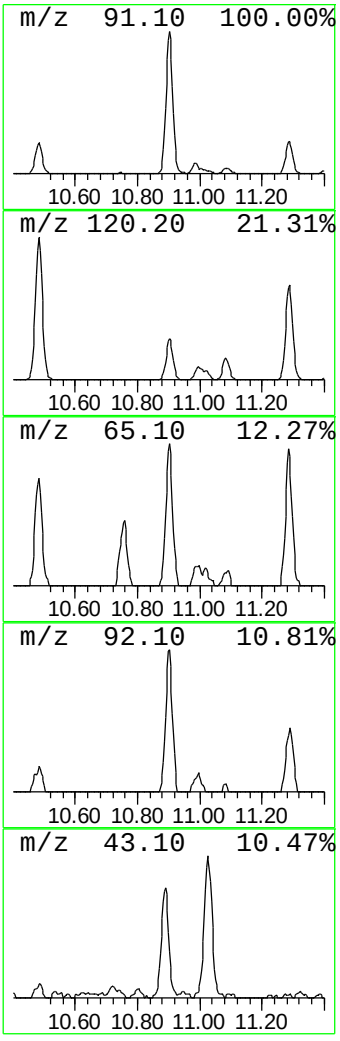
****

Peak Number 7 Benzene, propyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.90	1.36 ug/L	135762	1,4-Dichlorobenzene-d4	11.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	92
2	Benzene, propyl-	120	C9H12	000103-65-1	70
3	Benzene, propyl-	120	C9H12	000103-65-1	62
4	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	53
5	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092620\
Data File : VU040315.D
Acq On : 25 Sep 2020 21:20
Operator : SY/MD
Sample : L4139-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG4A4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0

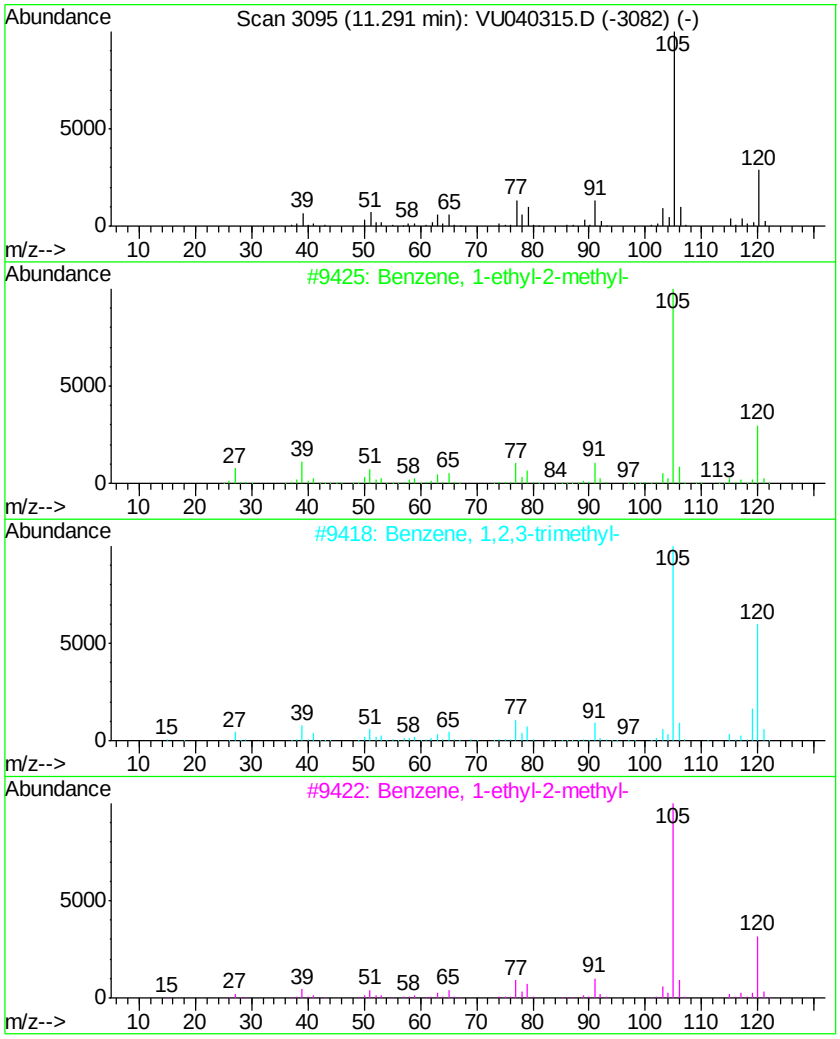
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

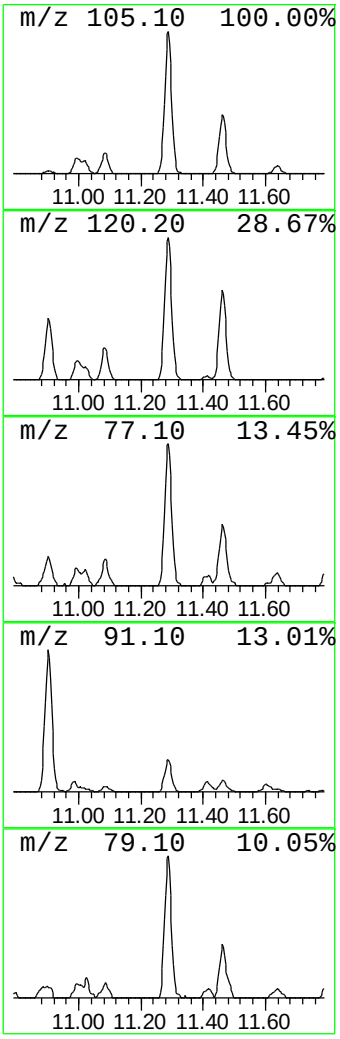
****

Peak Number 8 Benzene, 1-ethyl-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.29	2.01 ug/L	200961	1,4-Dichlorobenzene-d4	11.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	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, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092620\
Data File : VU040315.D
Acq On : 25 Sep 2020 21:20
Operator : SY/MD
Sample : L4139-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG4A4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0

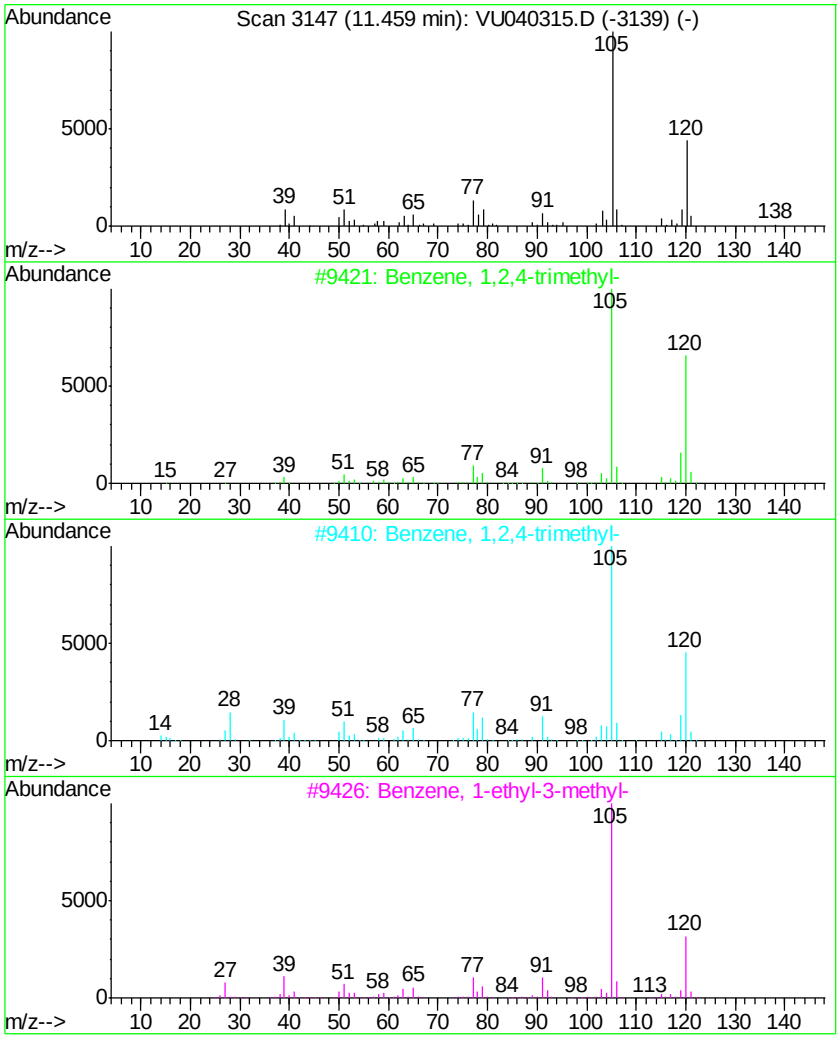
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

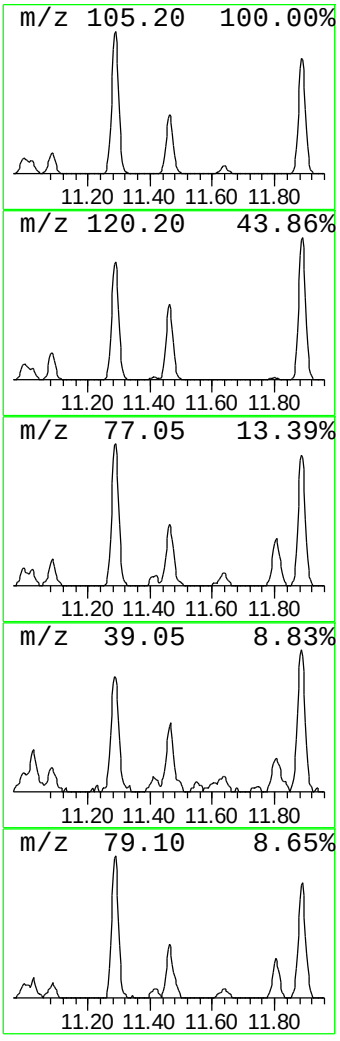
****

Peak Number 9 Benzene, 1,2,4-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.46	1.01 ug/L	100681	1,4-Dichlorobenzene-d4	11.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092620\
Data File : VU040315.D
Acq On : 25 Sep 2020 21:20
Operator : SY/MD
Sample : L4139-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG4A4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0

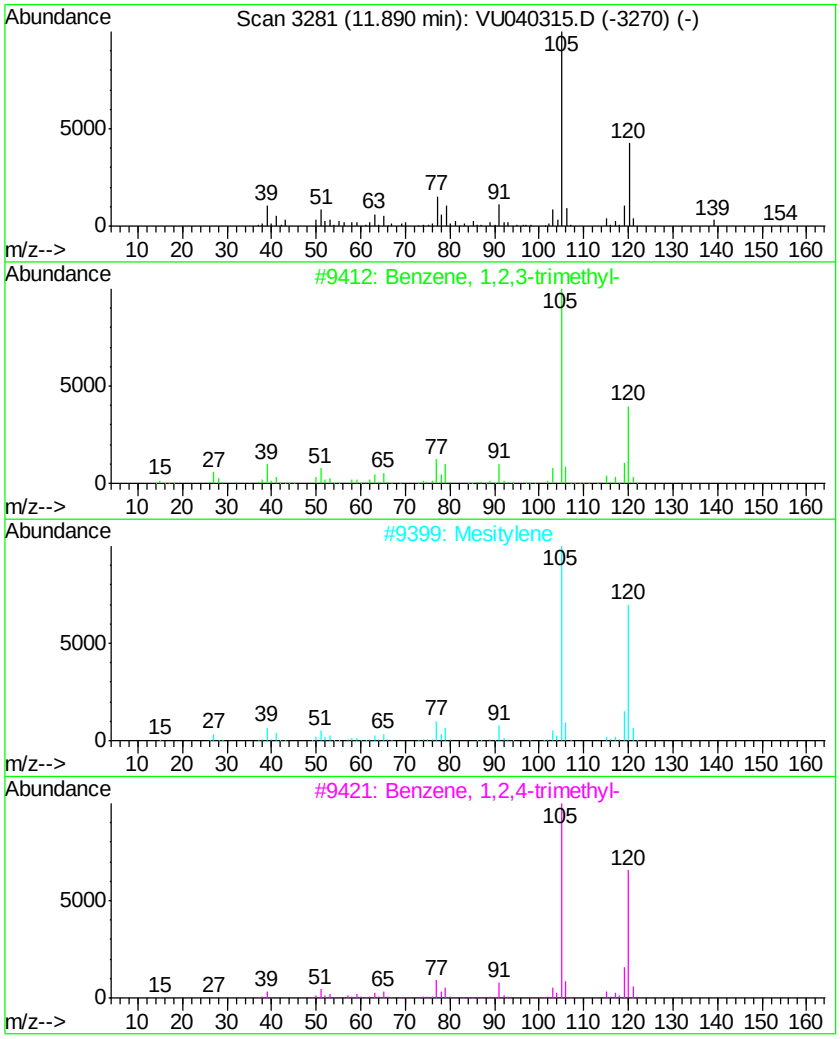
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

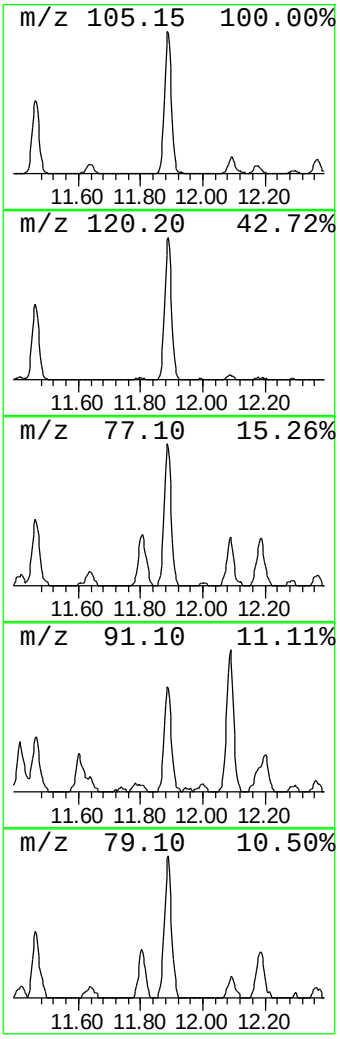
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	2.08 ug/L	207995	1,4-Dichlorobenzene-d4	11.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2	Mesitylene	120	C9H12	000108-67-8	94
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092620\
Data File : VU040315.D
Acq On : 25 Sep 2020 21:20
Operator : SY/MD
Sample : L4139-03
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG4A4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0

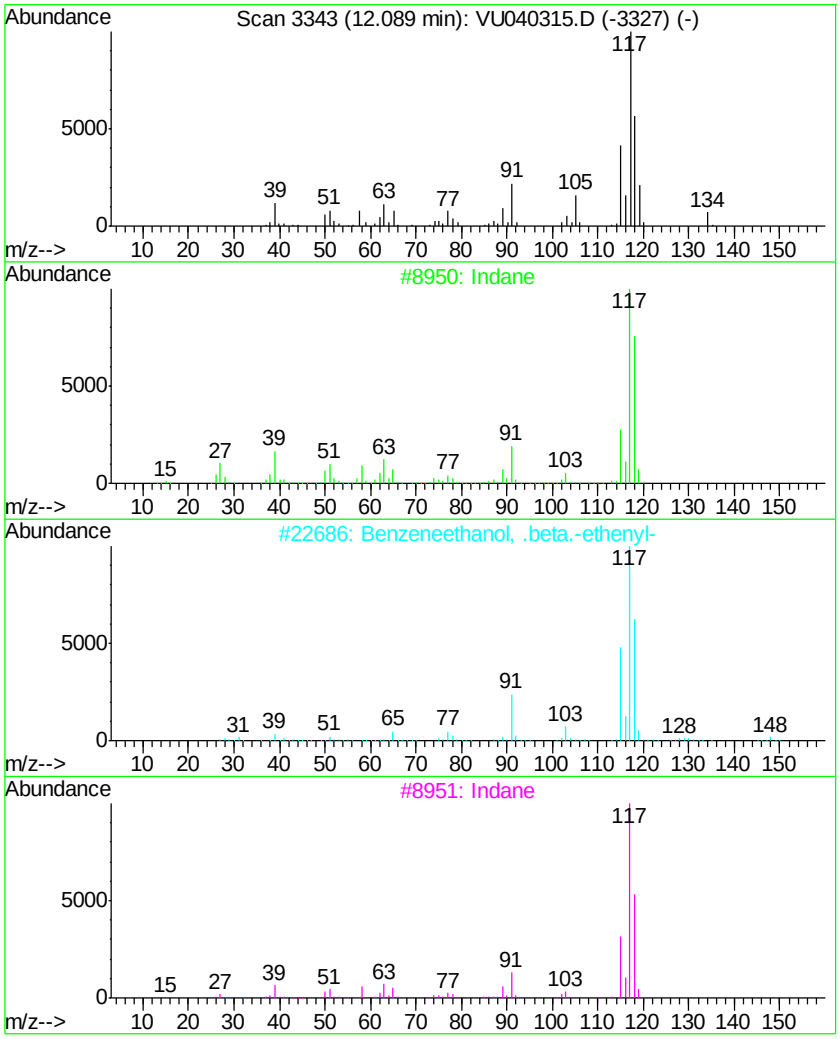
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

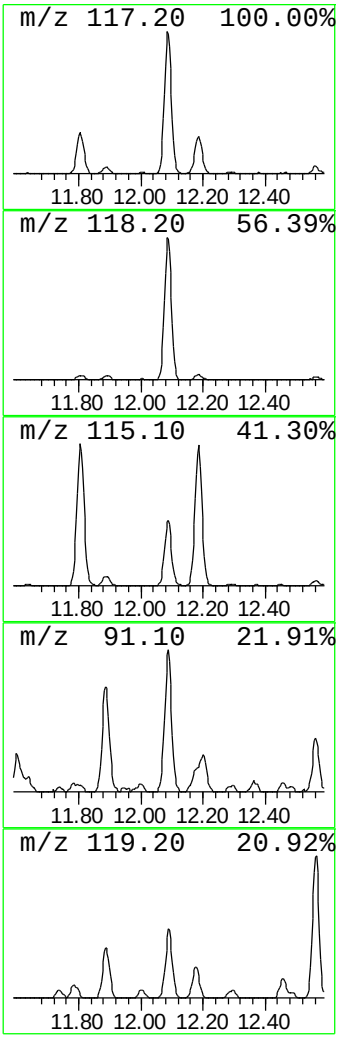
****

Peak Number 11 Indane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	1.77 ug/L	177707	1,4-Dichlorobenzene-d4	11.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Benzeneethanol, .beta.-ethenyl-	148	C10H12O	006052-63-7	72
3	Indane	118	C9H10	000496-11-7	70
4	Indane	118	C9H10	000496-11-7	70
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092620\
Data File : VU040315.D
Acq On : 25 Sep 2020 21:20
Operator : SY/MD
Sample : L4139-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG4A4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0

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

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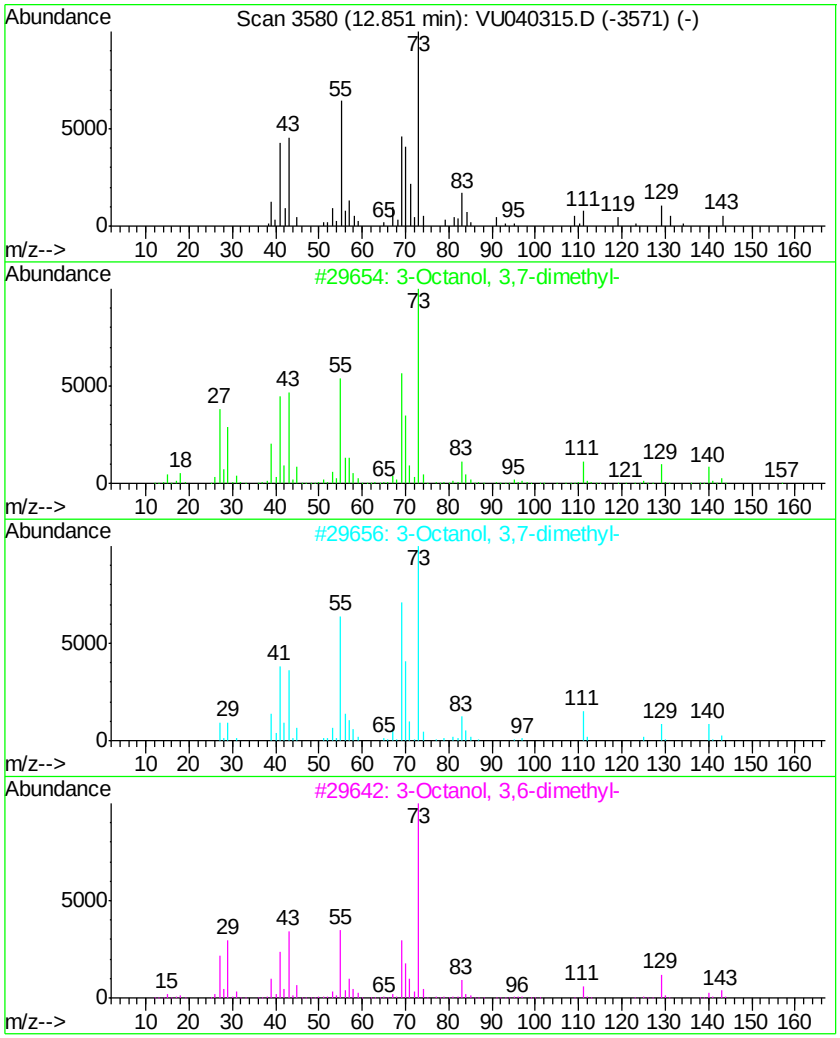
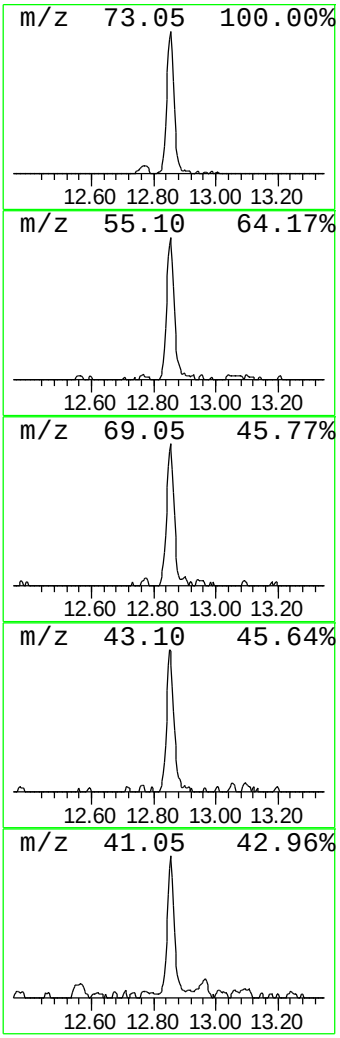
Peak Number 12 unknown-01 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.85	0.84 ug/L	83890	1,4-Dichlorobenzene-d4	11.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Octanol, 3,7-dimethyl-	158	C10H22O	000078-69-3	43
2	3-Octanol, 3,7-dimethyl-	158	C10H22O	000078-69-3	38
3	3-Octanol, 3,6-dimethyl-	158	C10H22O	000151-19-9	38
4	1-Octanol, 3,7-dimethyl-	158	C10H22O	000106-21-8	37
5	4-Nonene, 3-methyl-, (Z)-	140	C10H20	063830-69-3	32





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092620\
Data File : VU040315.D
Acq On : 25 Sep 2020 21:20
Operator : SY/MD
Sample : L4139-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG4A4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.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	2.39	4.2	ug/L	273073	1	6.26	325525	5.0
(DEL) Alkane: Str...	3.10	2.0	ug/L	128987	1	6.26	325525	5.0
(DEL) Alkane: Str...	3.72	4.7	ug/L	302780	1	6.26	325525	5.0
Diisopropyl ether	4.01	21.7	ug/L	1410180	1	6.26	325525	5.0
(DEL) Alkane: Cyc...	4.55	6.7	ug/L	435034	1	6.26	325525	5.0
Benzene, propyl-	10.90	1.4	ug/L	135762	3	11.81	500882	5.0
Benzene, 1-ethyl-...	11.29	2.0	ug/L	200961	3	11.81	500882	5.0
Benzene, 1,2,4-tr...	11.46	1.0	ug/L	100681	3	11.81	500882	5.0
Benzene, 1,2,3-tr...	11.89	2.1	ug/L	207995	3	11.81	500882	5.0
Indane	12.09	1.8	ug/L	177707	3	11.81	500882	5.0
unknown-01	12.85	0.8	ug/L	83890	3	11.81	500882	5.0