LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092620\
Data File : VU040322.D
Acq On : 26 Sep 2020 00:02
Operator : SY/MD
Sample : L4139-11
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG4A3

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	1.604	72	82	89	rBV	54050	67824	2.85%	0.499%
2	1.713	90	116	124	rBV2	41818	194561	8.18%	1.433%
3	1.922	175	181	191	rVB	53526	71192	2.99%	0.524%
4	2.388	317	326	347	rVB	283314	438370	18.42%	3.228%
5	2.578	374	385	399	rBV	95689	158414	6.66%	1.166%
6	2.662	400	411	420	rBV	13617	26569	1.12%	0.196%
7	3.382	619	635	650	rBV2	24315	58143	2.44%	0.428%
8	4.012	810	831	859	rBV	487690	1269302	53.34%	9.346%
9	4.549	984	998	1013	rBV3	13885	33198	1.40%	0.244%
10	4.662	1014	1033	1077	rBV2	77300	300077	12.61%	2.209%
11	5.083	1145	1164	1198	rBV2	105877	254148	10.68%	1.871%
12	5.742	1347	1369	1373	rBV3	191077	443986	18.66%	3.269%
13	5.790	1374	1384	1412	rVB	1183671	2379722	100.00%	17.522%
14	6.263	1513	1531	1549	rVB	206344	389131	16.35%	2.865%
15	6.703	1654	1668	1682	rBV	123149	240448	10.10%	1.770%
16	7.575	1926	1939	1961	rBV	56683	102198	4.29%	0.752%
17	7.906	2022	2042	2055	rBV	215222	370724	15.58%	2.730%
18	7.973	2055	2063	2080	rVB2	33552	56761	2.39%	0.418%
19	8.186	2114	2129	2142	rBV3	36313	63842	2.68%	0.470%
20	8.639	2257	2270	2302	rBV	393682	730432	30.69%	5.378%
21	9.446	2500	2521	2547	rBV2	729329	1690558	71.04%	12.448%
22	9.571	2549	2560	2581	rVB	152603	256906	10.80%	1.892%
23	9.690	2581	2597	2612	rBV	795345	1262491	53.05%	9.296%
24	10.099	2708	2724	2752	rVB	450078	722859	30.38%	5.322%
25	10.481	2831	2843	2856	rBV	88669	138076	5.80%	1.017%
26	10.755	2918	2928	2937	rBV	98215	159928	6.72%	1.178%
27	10.796	2937	2941	2952	rVB3	18540	24169	1.02%	0.178%
28	10.893	2955	2971	2989	rBV5	48675	98983	4.16%	0.729%
29	10.989	2989	3001	3020	rVB3	36518	68097	2.86%	0.501%
30	11.083	3020	3030	3046	rVB4	20087	32720	1.37%	0.241%
31	11.285	3083	3093	3104	rBV	35770	54484	2.29%	0.401%
32	11.462	3138	3148	3164	rVB	79835	129865	5.46%	0.956%
33	11.806	3242	3255	3270	rBV	318013	547116	22.99%	4.028%
34	11.886	3270	3280	3292	rVB2	60232	99463	4.18%	0.732%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092620\
Data File : VU040322.D
Acq On : 26 Sep 2020 00:02
Operator : SY/MD
Sample : L4139-11
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG4A3

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

35	12.089	3326	3343	3361	rVV4	73076	139595	5.87%	1.028%
36	12.185	3361	3373	3389	rVB	246306	424342	17.83%	3.124%
37	12.562	3479	3490	3499	rBV	19689	27554	1.16%	0.203%
38	12.964	3599	3615	3623	rBV2	16123	24894	1.05%	0.183%
39	14.076	3951	3961	3969	rBV	17551	30350	1.28%	0.223%

Sum of corrected areas: 13581492

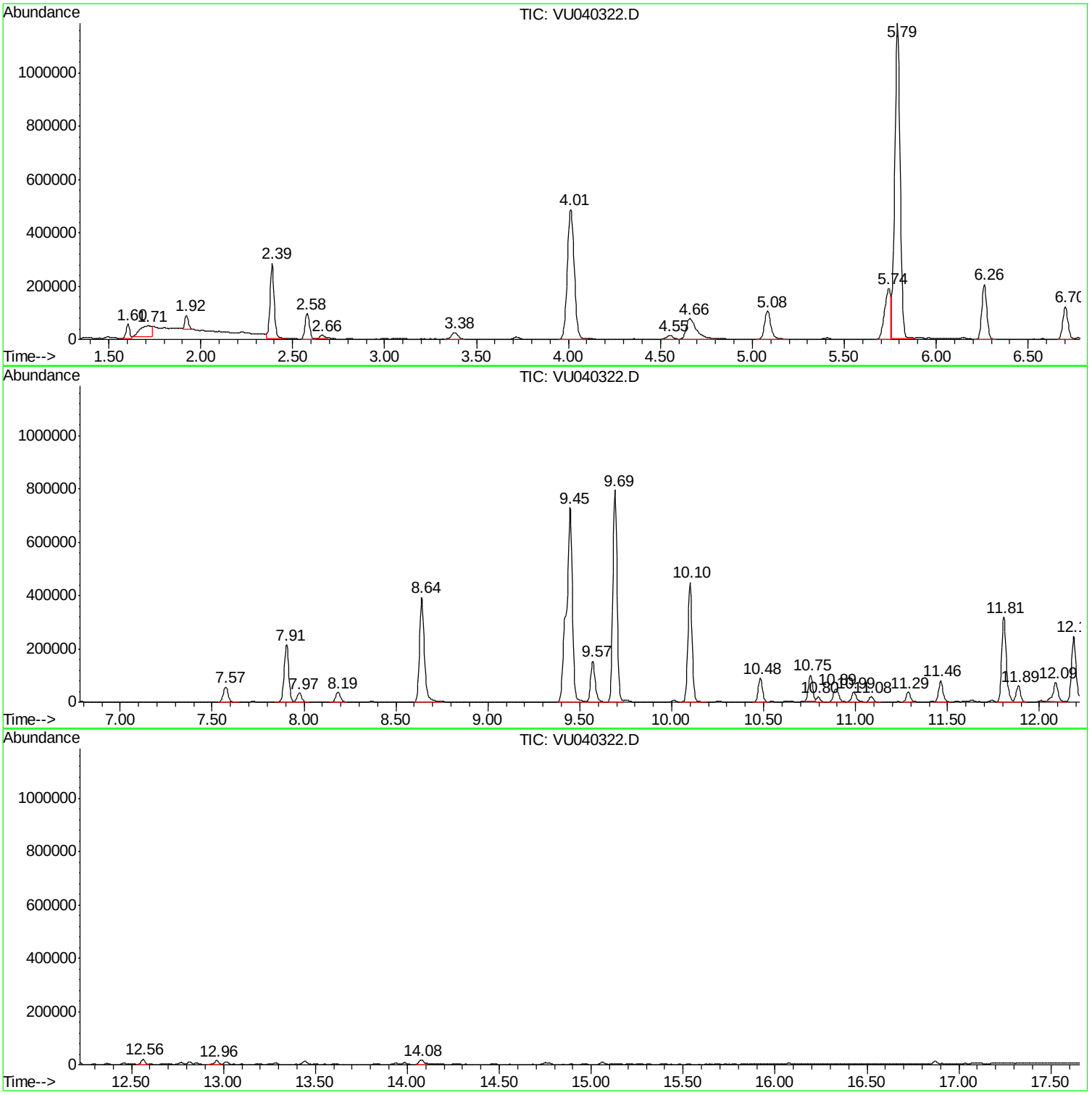
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092620\
Data File : VU040322.D
Acq On : 26 Sep 2020 00:02
Operator : SY/MD
Sample : L4139-11
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG4A3

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 : VU040322.D
Acq On : 26 Sep 2020 00:02
Operator : SY/MD
Sample : L4139-11
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG4A3

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

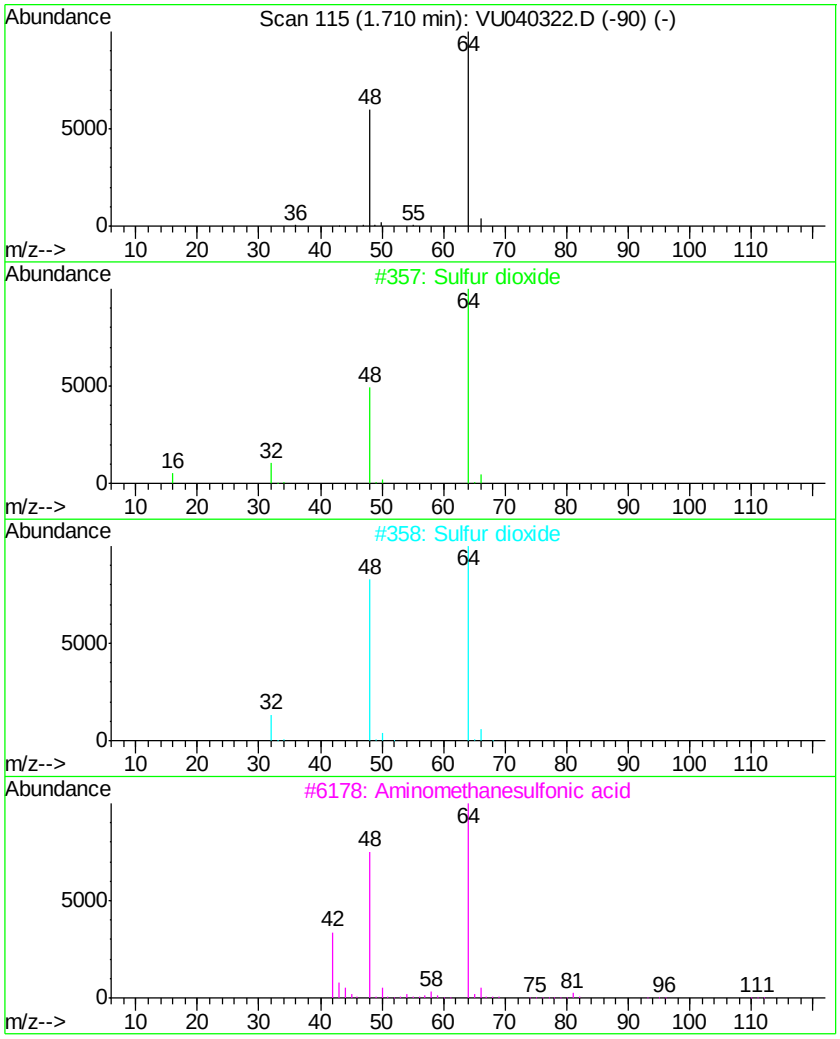
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

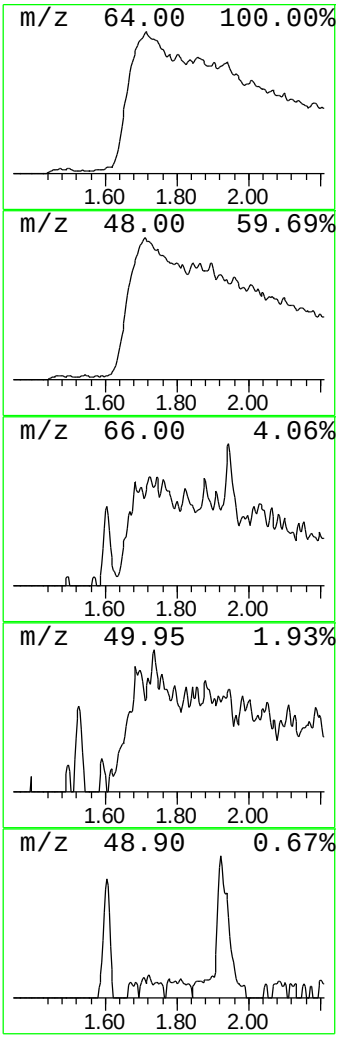
****

Peak Number 1 Sulfur dioxide Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.71	2.50 ug/L	194561	1,4-Difluorobenzene	6.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	90
2	Sulfur dioxide	64	O2S	007446-09-5	83
3	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	64
4	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	4
5	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	4





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092620\
Data File : VU040322.D
Acq On : 26 Sep 2020 00:02
Operator : SY/MD
Sample : L4139-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG4A3

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

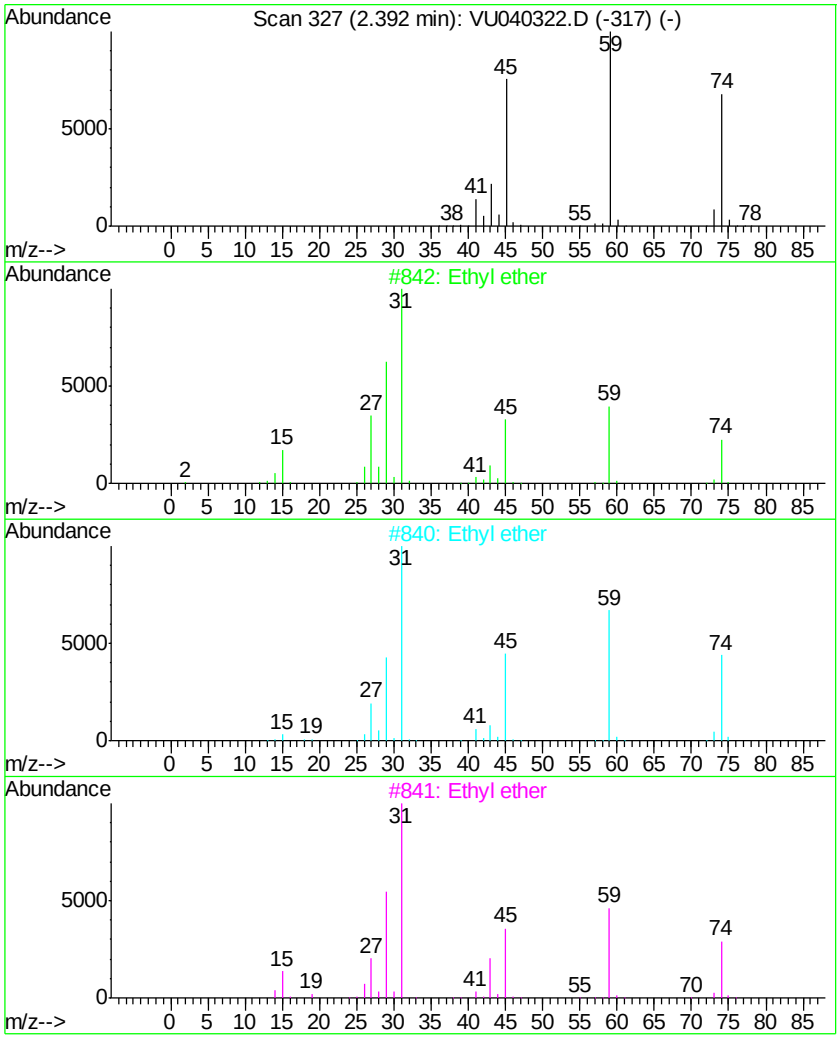
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

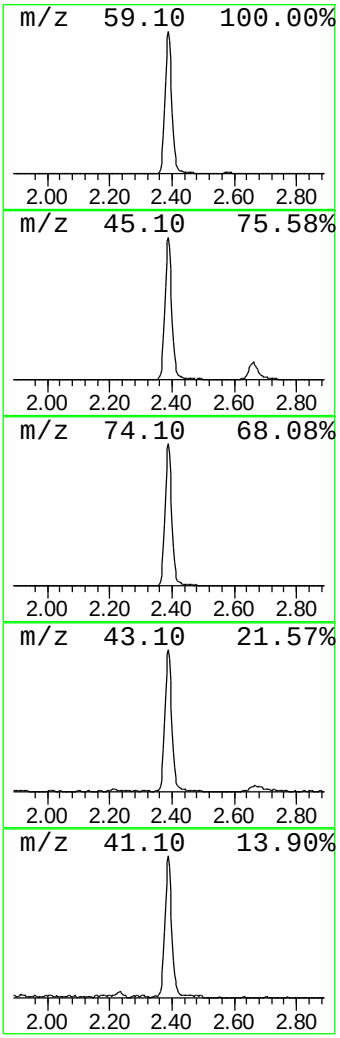
****

Peak Number 2 Ethyl ether Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.39	5.63 ug/L	438370	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	90
4	Ethane, 1,2-diethoxy-	118	C6H14O2	000629-14-1	78
5	Ethyl ether	74	C4H10O	000060-29-7	78





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092620\
Data File : VU040322.D
Acq On : 26 Sep 2020 00:02
Operator : SY/MD
Sample : L4139-11
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG4A3

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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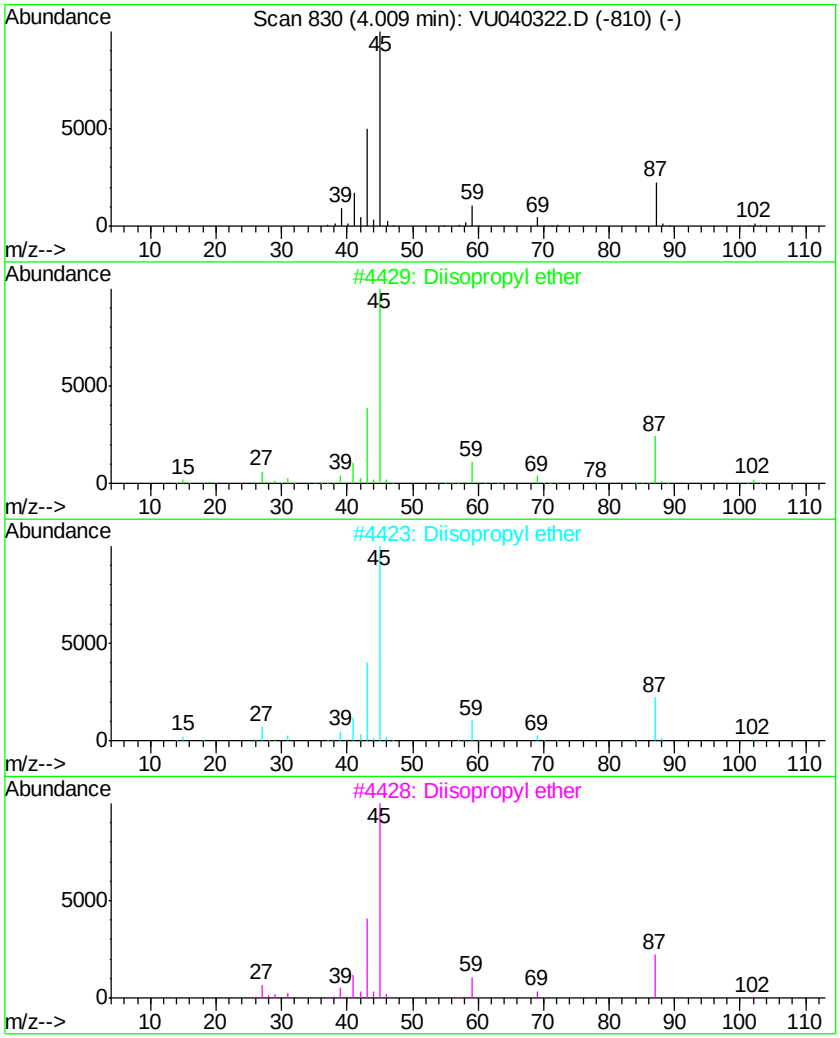
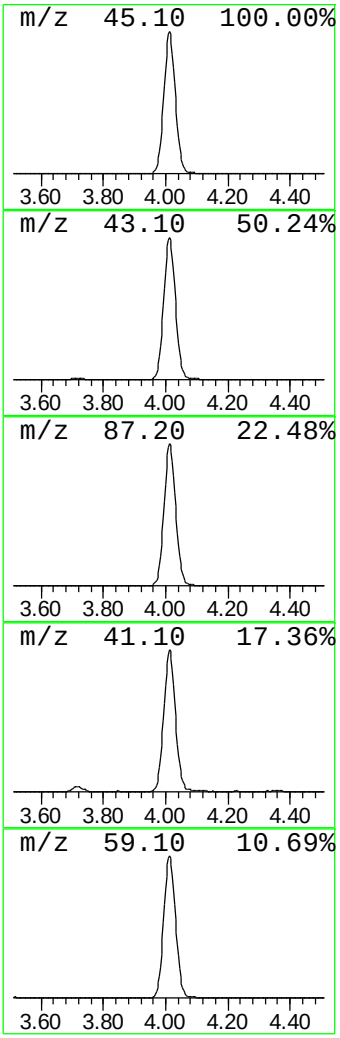
Peak Number 3 Diisopropyl ether Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.01	16.31 ug/L	1269300	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	Ether, 2-chloro-1-methylethyl is...	136	C6H13ClO	098277-76-0	64
5	Acetoin	88	C4H8O2	000513-86-0	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092620\
Data File : VU040322.D
Acq On : 26 Sep 2020 00:02
Operator : SY/MD
Sample : L4139-11
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG4A3

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

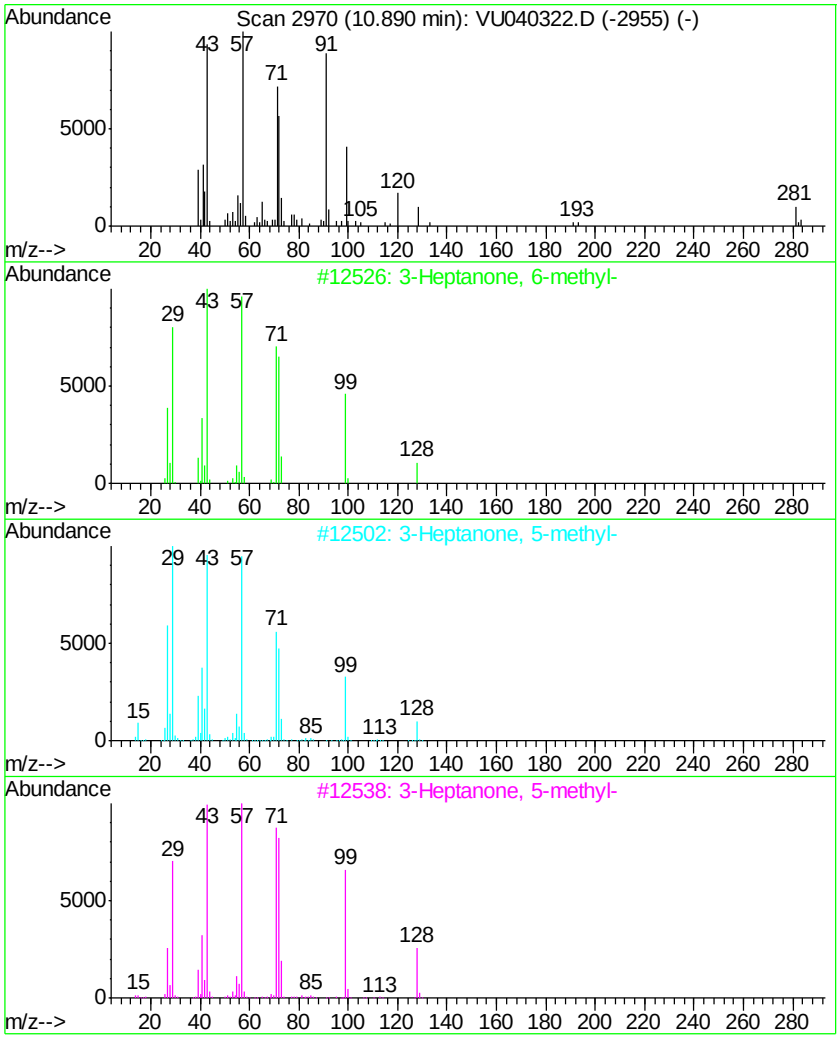
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

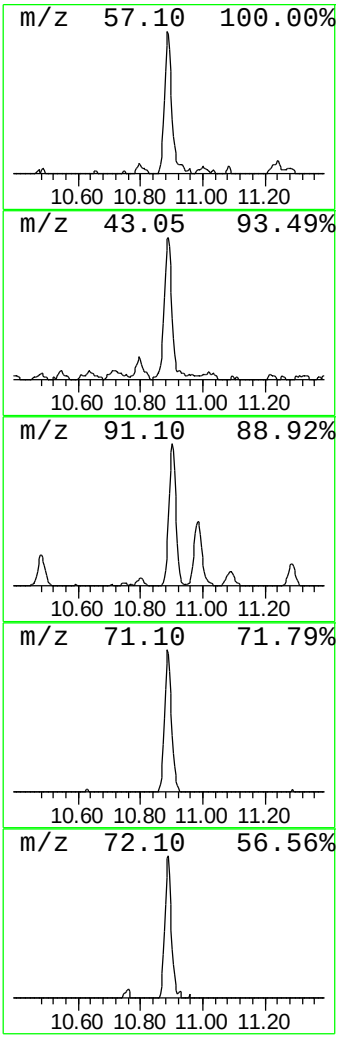
****

Peak Number 5 3-Heptanone, 6-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.89	0.90 ug/L	98983	1,4-Dichlorobenzene-d4	11.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Heptanone, 6-methyl-	128	C8H16O	000624-42-0	64
2	3-Heptanone, 5-methyl-	128	C8H16O	000541-85-5	64
3	3-Heptanone, 5-methyl-	128	C8H16O	000541-85-5	58
4	3-Octanone	128	C8H16O	000106-68-3	58
5	3-Octanone	128	C8H16O	000106-68-3	58





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092620\
Data File : VU040322.D
Acq On : 26 Sep 2020 00:02
Operator : SY/MD
Sample : L4139-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG4A3

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

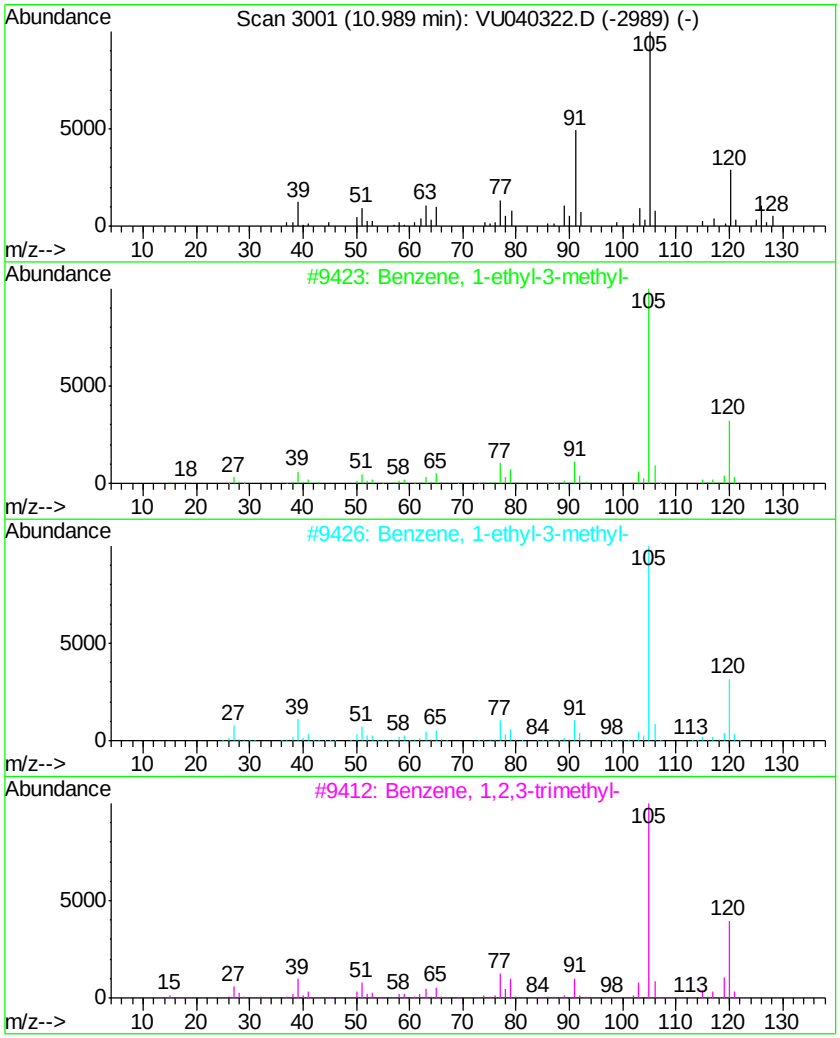
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

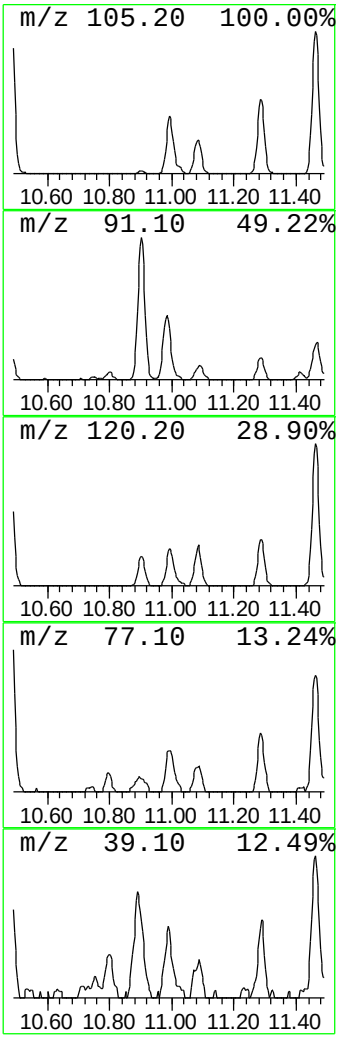
****

Peak Number 6 Benzene, 1-ethyl-3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.99	0.62 ug/L	68097	1,4-Dichlorobenzene-d4	11.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	76
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	76
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	70
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	64
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	62





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092620\
Data File : VU040322.D
Acq On : 26 Sep 2020 00:02
Operator : SY/MD
Sample : L4139-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG4A3

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

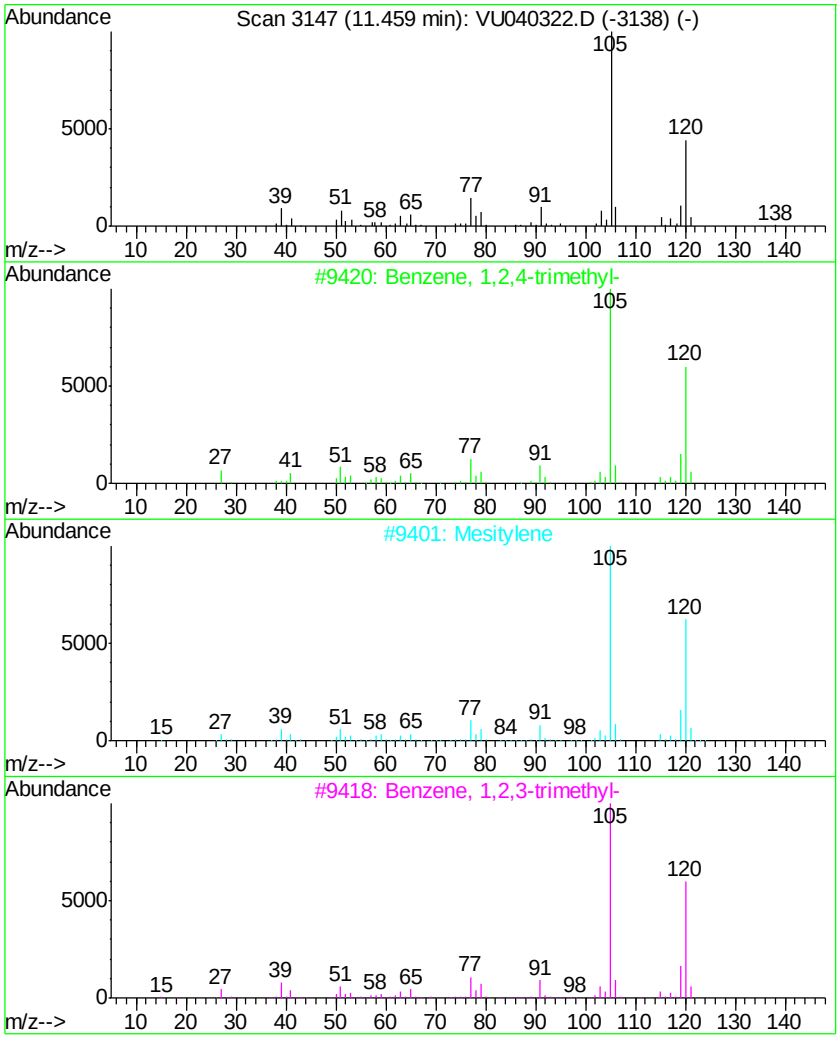
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

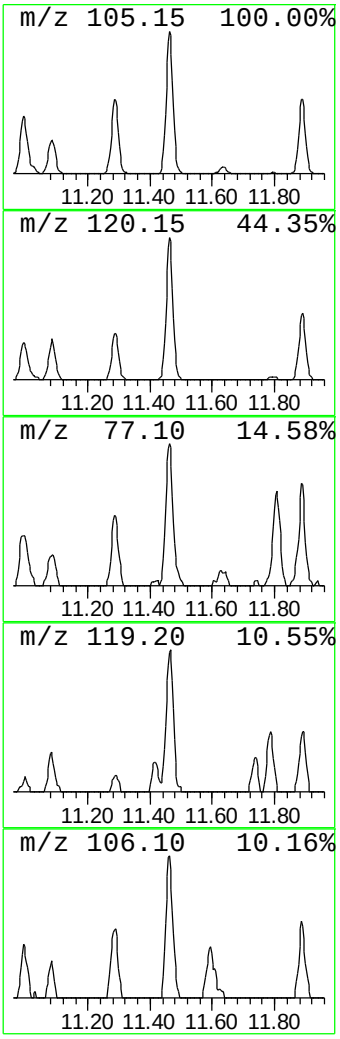
****

Peak Number 7 Benzene, 1,2,4-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.46	1.19 ug/L	129865	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	94
2	Mesitylene	120	C9H12	000108-67-8	94
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	93
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Mesitylene	120	C9H12	000108-67-8	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092620\
Data File : VU040322.D
Acq On : 26 Sep 2020 00:02
Operator : SY/MD
Sample : L4139-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG4A3

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

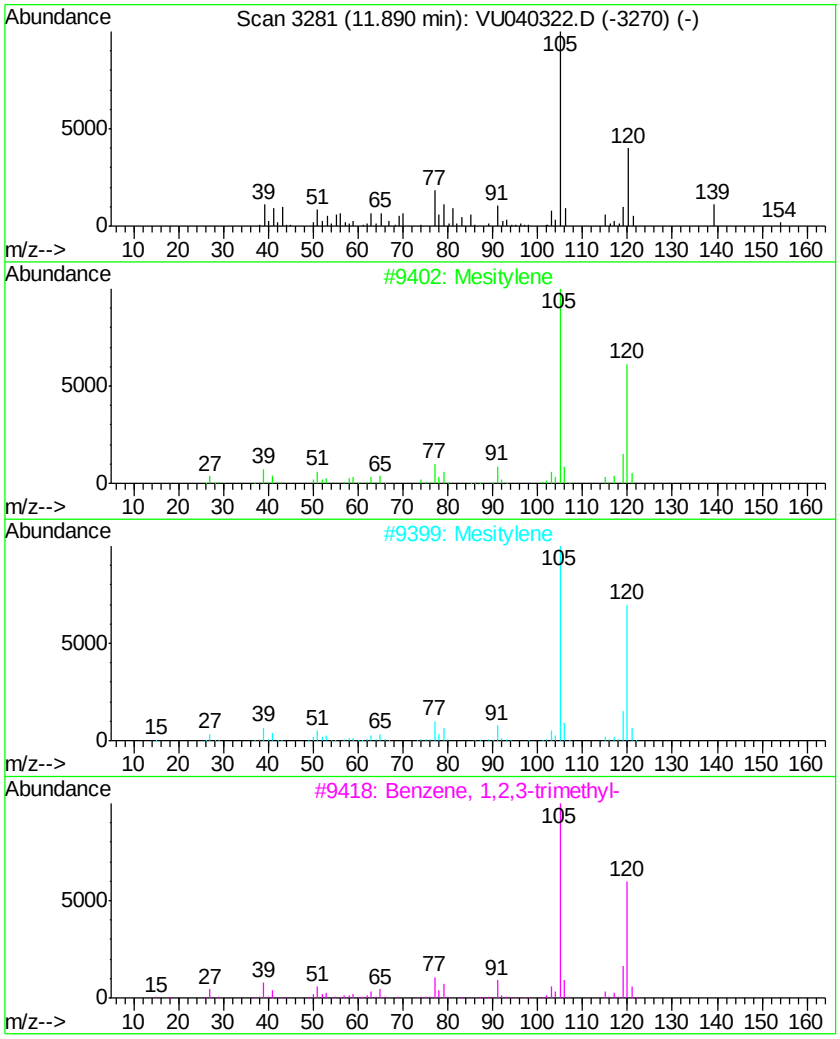
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

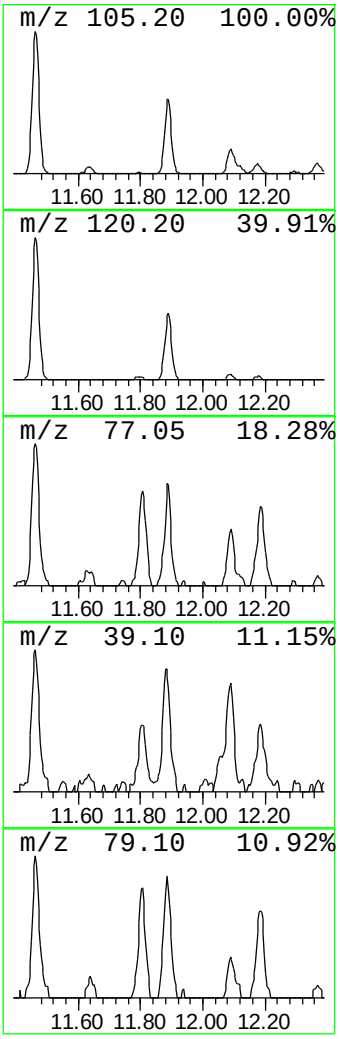
****

Peak Number 8 Mesitylene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	0.91 ug/L	99463	1,4-Dichlorobenzene-d4	11.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Mesitylene	120	C9H12	000108-67-8	93
2	Mesitylene	120	C9H12	000108-67-8	93
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	93
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	87
5	Mesitylene	120	C9H12	000108-67-8	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092620\
Data File : VU040322.D
Acq On : 26 Sep 2020 00:02
Operator : SY/MD
Sample : L4139-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG4A3

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

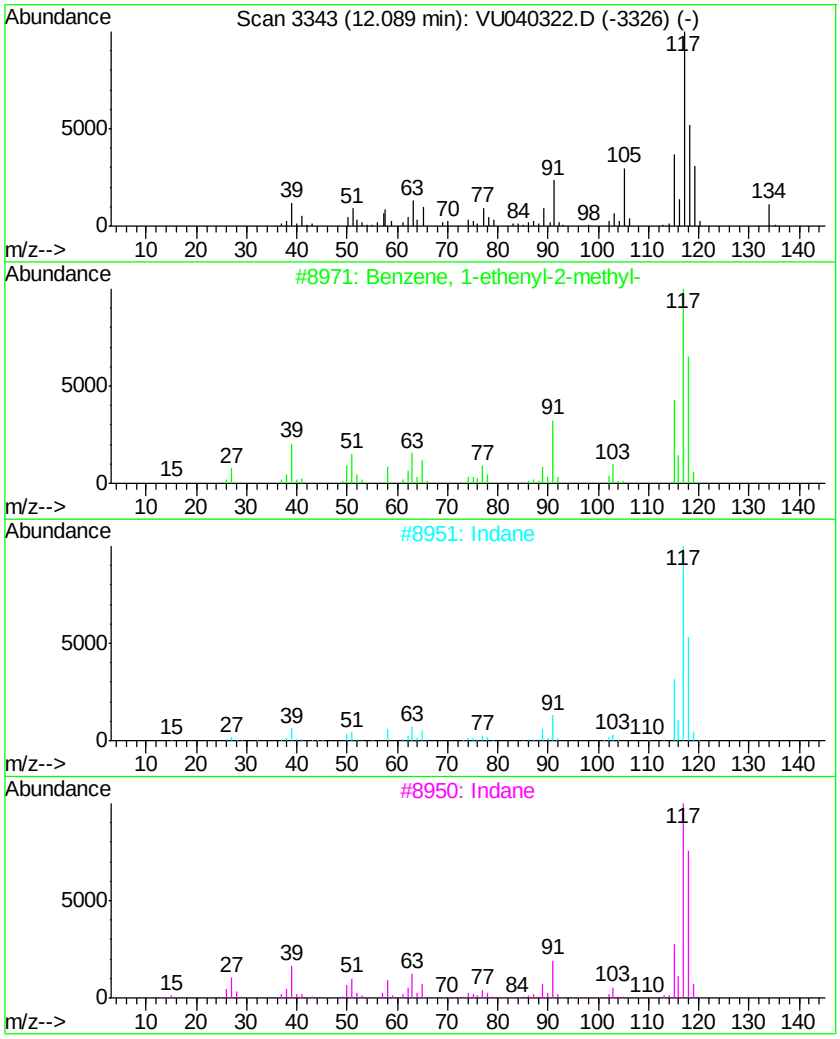
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

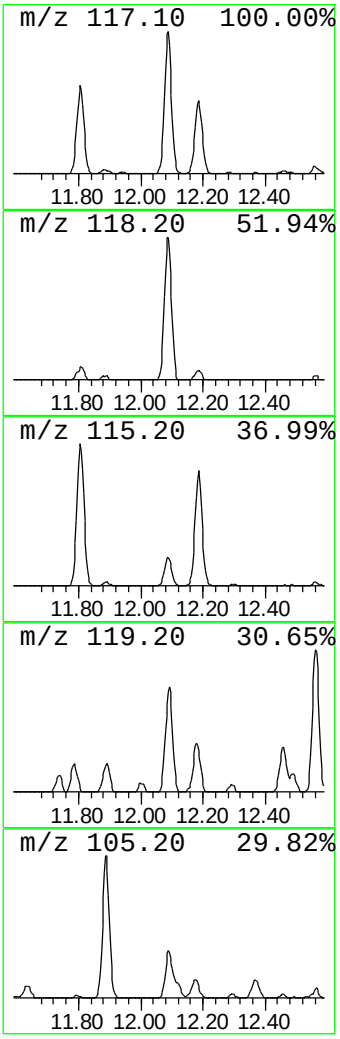
****

Peak Number 9 Benzene, 1-ethenyl-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	1.28 ug/L	139595	1,4-Dichlorobenzene-d4	11.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	83
2	Indane	118	C9H10	000496-11-7	64
3	Indane	118	C9H10	000496-11-7	64
4	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	60
5	Indane	118	C9H10	000496-11-7	58





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092620\
Data File : VU040322.D
Acq On : 26 Sep 2020 00:02
Operator : SY/MD
Sample : L4139-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG4A3

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
Sulfur dioxide	1.71	2.5	ug/L	194561	1	6.26	389131	5.0
Ethyl ether	2.39	5.6	ug/L	438370	1	6.26	389131	5.0
Diisopropyl ether	4.01	16.3	ug/L	1269300	1	6.26	389131	5.0
3-Heptanone, 6-me...	10.89	0.9	ug/L	98983	3	11.81	547116	5.0
Benzene, 1-ethyl-...	10.99	0.6	ug/L	68097	3	11.81	547116	5.0
Benzene, 1,2,4-tr...	11.46	1.2	ug/L	129865	3	11.81	547116	5.0
Mesitylene	11.89	0.9	ug/L	99463	3	11.81	547116	5.0
Benzene, 1-etheny...	12.09	1.3	ug/L	139595	3	11.81	547116	5.0