LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092120\
Data File : VU040231.D
Acq On : 21 Sep 2020 14:11
Operator : SY/MD
Sample : L4046-13 100X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG0Q1

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	1.607	75	83	91	rBV	47882	54133	1.16%	0.323%
2	1.922	173	181	195	rVB	44347	60258	1.29%	0.359%
3	2.392	315	327	343	rBV	36810	58711	1.26%	0.350%
4	2.581	374	386	399	rBV	90561	146283	3.14%	0.872%
5	4.012	813	831	855	rBV2	126083	327429	7.03%	1.952%
6	4.665	1014	1034	1092	rBV3	76783	324707	6.97%	1.936%
7	5.083	1148	1164	1198	rVB	99161	238707	5.12%	1.423%
8	5.742	1347	1369	1372	rBV2	177230	384010	8.24%	2.289%
9	5.790	1373	1384	1410	rVB	2310127	4660063	100.00%	27.778%
10	6.263	1515	1531	1548	rVB2	179607	336380	7.22%	2.005%
11	6.703	1655	1668	1684	rVB	117191	221170	4.75%	1.318%
12	7.575	1925	1939	1951	rBV	58923	103729	2.23%	0.618%
13	7.906	2027	2042	2052	rBV	189191	323412	6.94%	1.928%
14	7.976	2052	2064	2078	rVB	417189	700564	15.03%	4.176%
15	8.185	2115	2129	2142	rBV2	41738	70213	1.51%	0.419%
16	8.642	2258	2271	2307	rBV	348433	649470	13.94%	3.871%
17	9.420	2498	2513	2516	rBV	274335	414400	8.89%	2.470%
18	9.446	2517	2521	2547	rVV	421556	659405	14.15%	3.931%
19	9.571	2548	2560	2584	rVV2	348569	644848	13.84%	3.844%
20	9.690	2584	2597	2614	rVV	2140189	3378167	72.49%	20.137%
21	10.102	2711	2725	2747	rVB	472585	756780	16.24%	4.511%
22	10.755	2916	2928	2938	rBV	99198	159989	3.43%	0.954%
23	10.890	2955	2970	2989	rBV3	90917	179027	3.84%	1.067%
24	10.992	2989	3002	3018	rVB	87206	139179	2.99%	0.830%
25	11.082	3018	3030	3043	rBV2	54301	83920	1.80%	0.500%
26	11.288	3083	3094	3106	rVB	52461	83220	1.79%	0.496%
27	11.462	3134	3148	3164	rBV	205186	323741	6.95%	1.930%
28	11.806	3243	3255	3270	rBV	281037	483601	10.38%	2.883%
29	11.886	3270	3280	3295	rVB3	111464	190474	4.09%	1.135%
30	12.089	3332	3343	3361	rVB3	53182	89404	1.92%	0.533%
31	12.185	3361	3373	3394	rVB	250697	415563	8.92%	2.477%
32	12.475	3449	3463	3482	rBV2	62341	114897	2.47%	0.685%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092120\
Data File : VU040231.D
Acq On : 21 Sep 2020 14:11
Operator : SY/MD
Sample : L4046-13 100X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG0Q1

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

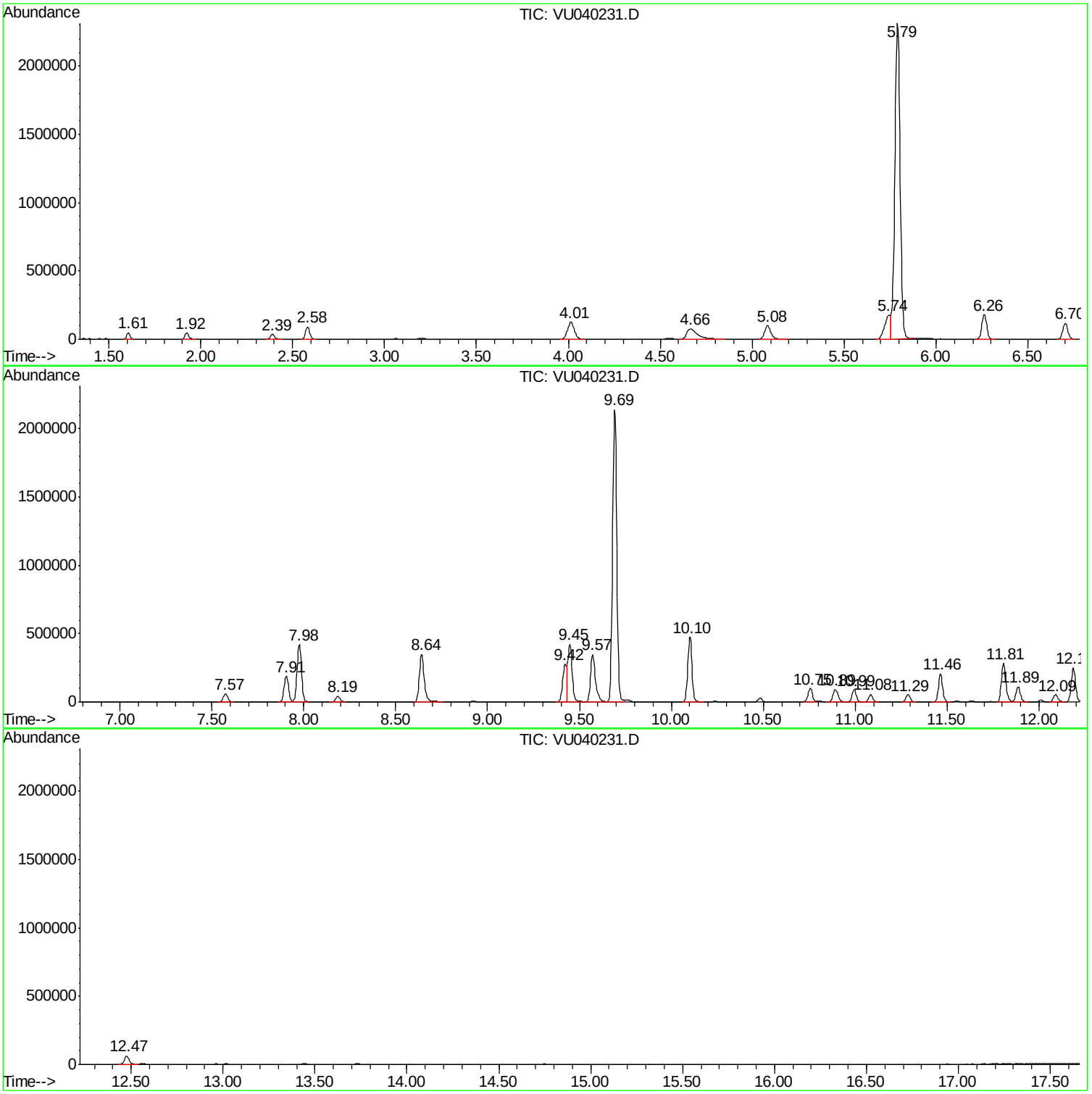
Sum of corrected areas: 16775854

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092120\
Data File : VU040231.D
Acq On : 21 Sep 2020 14:11
Operator : SY/MD
Sample : L4046-13 100X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BG0Q1

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092120\
Data File : VU040231.D
Acq On : 21 Sep 2020 14:11
Operator : SY/MD
Sample : L4046-13 100X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG0Q1

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

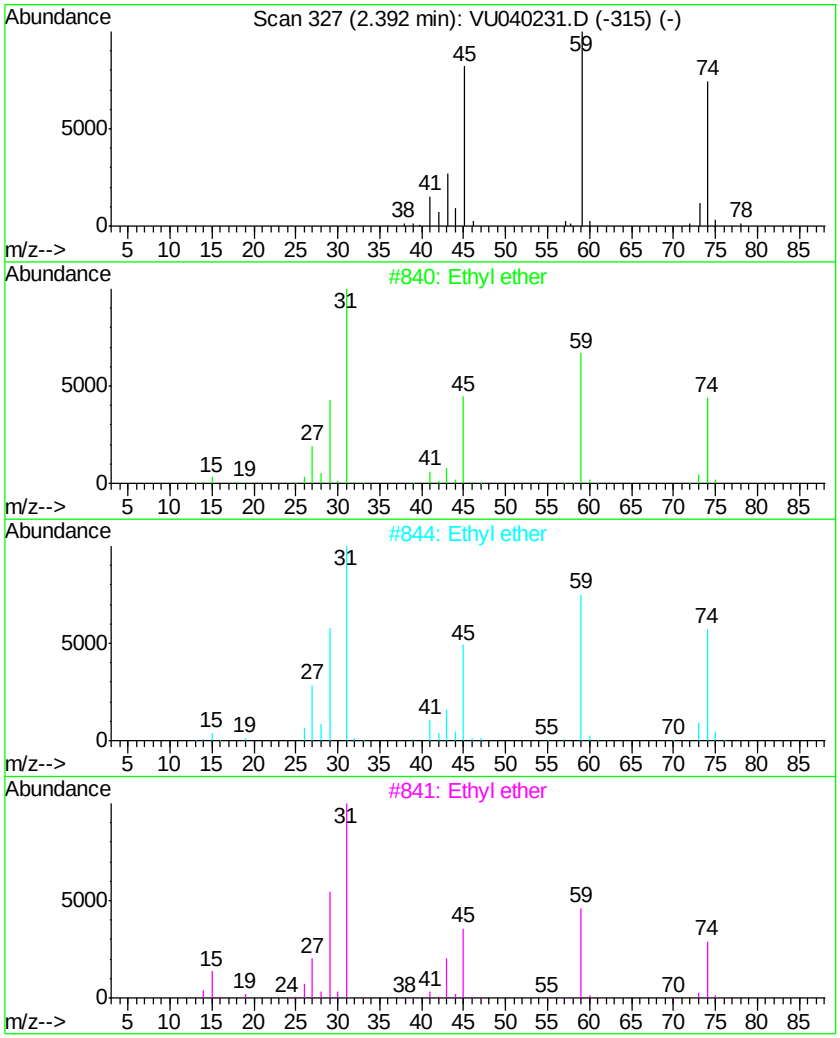
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

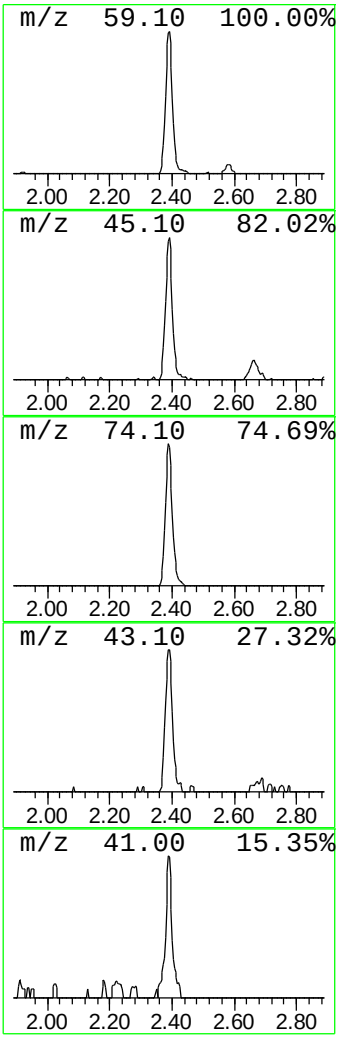
****

Peak Number 1 Ethyl ether Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.39	0.87 ug/L	58711	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	Ethyl ether	74	C4H10O	000060-29-7	78
5	Hydrazine, trimethyl-	74	C3H10N2	001741-01-1	47





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092120\
Data File : VU040231.D
Acq On : 21 Sep 2020 14:11
Operator : SY/MD
Sample : L4046-13 100X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG0Q1

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

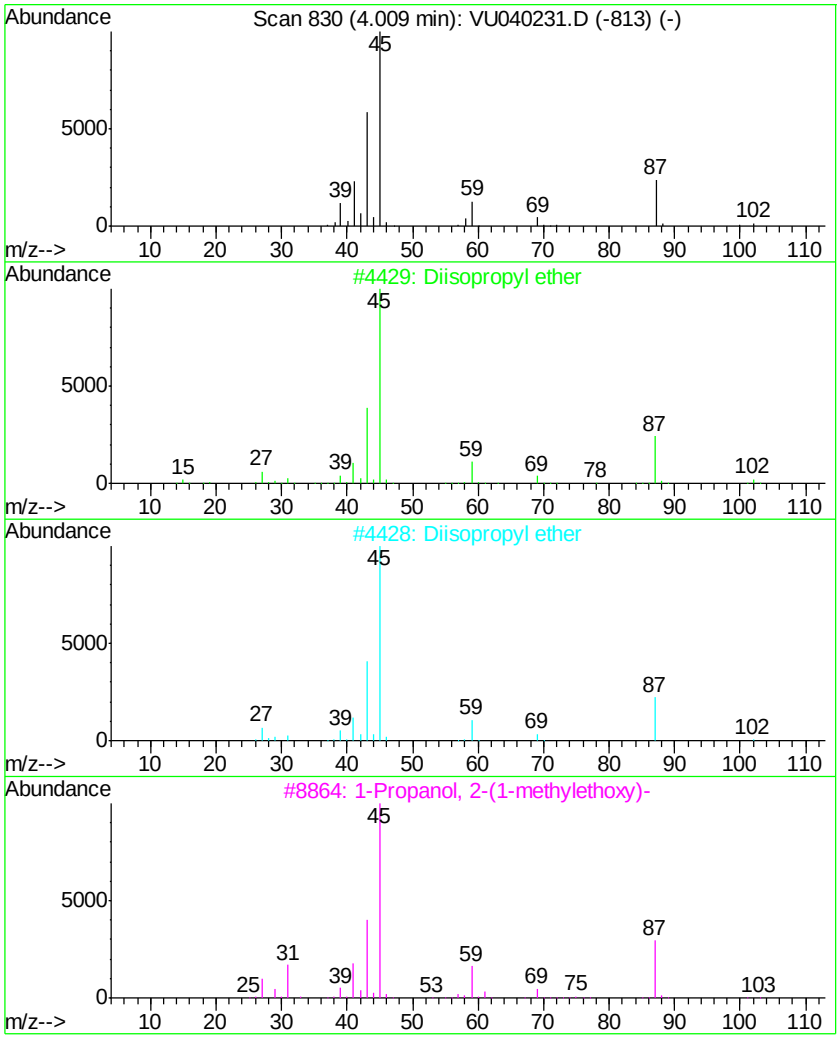
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

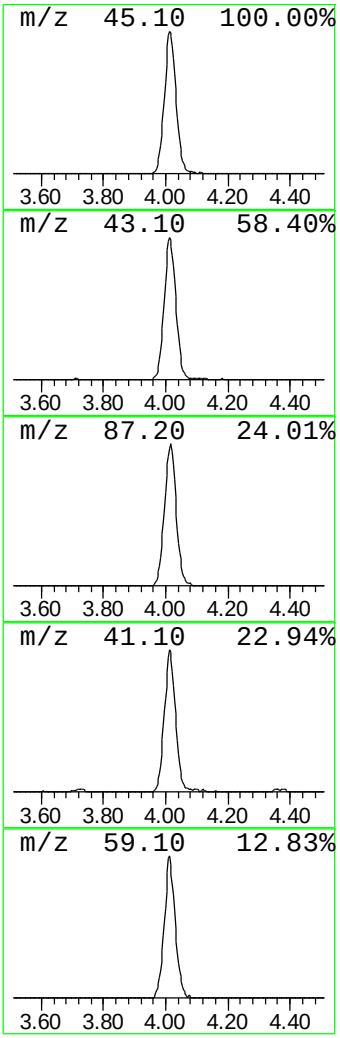
****

Peak Number 2 Diisopropyl ether Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.01	4.87 ug/L	327429	1,4-Difluorobenzene	6.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diisopropyl ether	102	C6H14O	000108-20-3	72
2	Diisopropyl ether	102	C6H14O	000108-20-3	64
3	1-Propanol, 2-(1-methylethoxy)-	118	C6H14O2	003944-37-4	64
4	Diisopropyl ether	102	C6H14O	000108-20-3	64
5	Propane, 1-(1-methylethoxy)-	102	C6H14O	000627-08-7	56





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092120\
Data File : VU040231.D
Acq On : 21 Sep 2020 14:11
Operator : SY/MD
Sample : L4046-13 100X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG0Q1

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

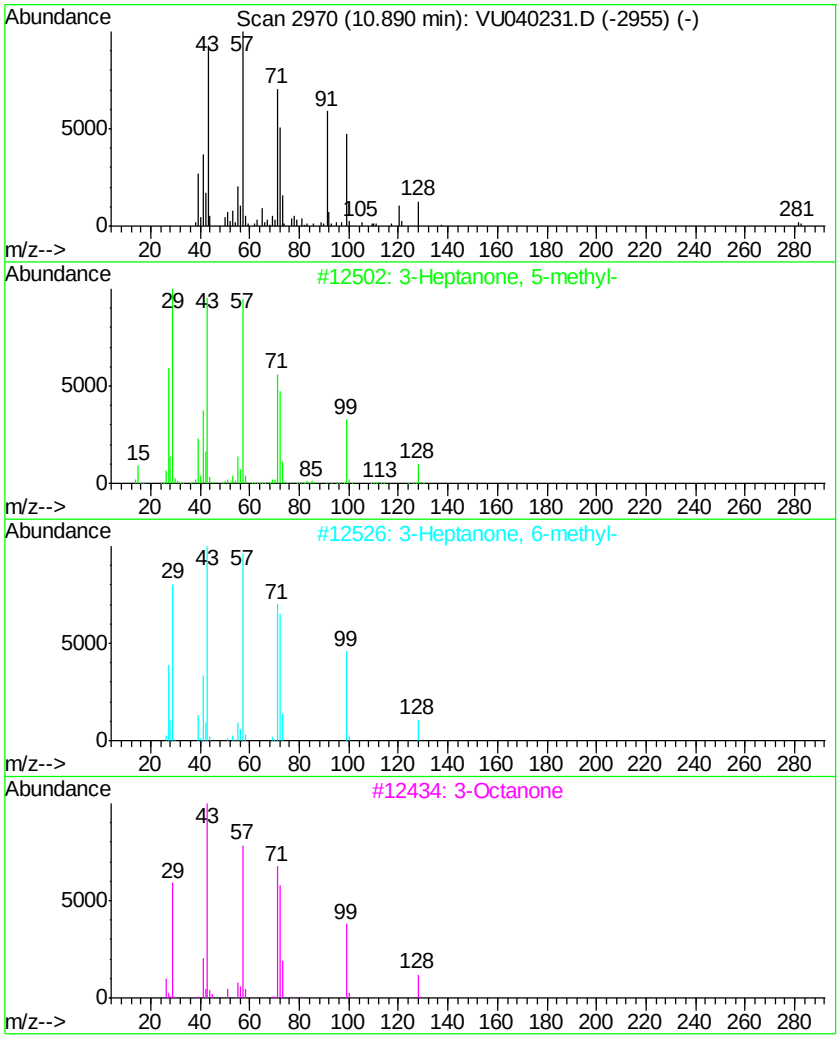
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

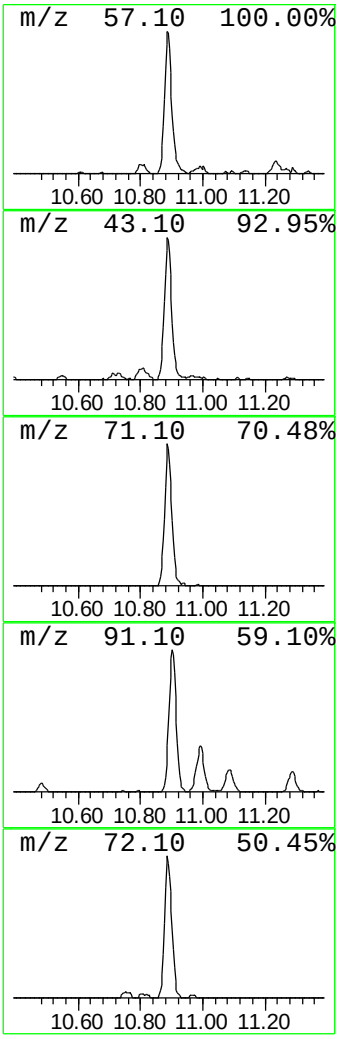
****

Peak Number 4 3-Heptanone, 5-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.89	1.85 ug/L	179027	1,4-Dichlorobenzene-d4	11.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Heptanone, 5-methyl-	128	C8H16O	000541-85-5	93
2	3-Heptanone, 6-methyl-	128	C8H16O	000624-42-0	87
3	3-Octanone	128	C8H16O	000106-68-3	81
4	3-Octanone	128	C8H16O	000106-68-3	80
5	3-Heptanone, 5-methyl-	128	C8H16O	000541-85-5	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092120\
Data File : VU040231.D
Acq On : 21 Sep 2020 14:11
Operator : SY/MD
Sample : L4046-13 100X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG0Q1

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

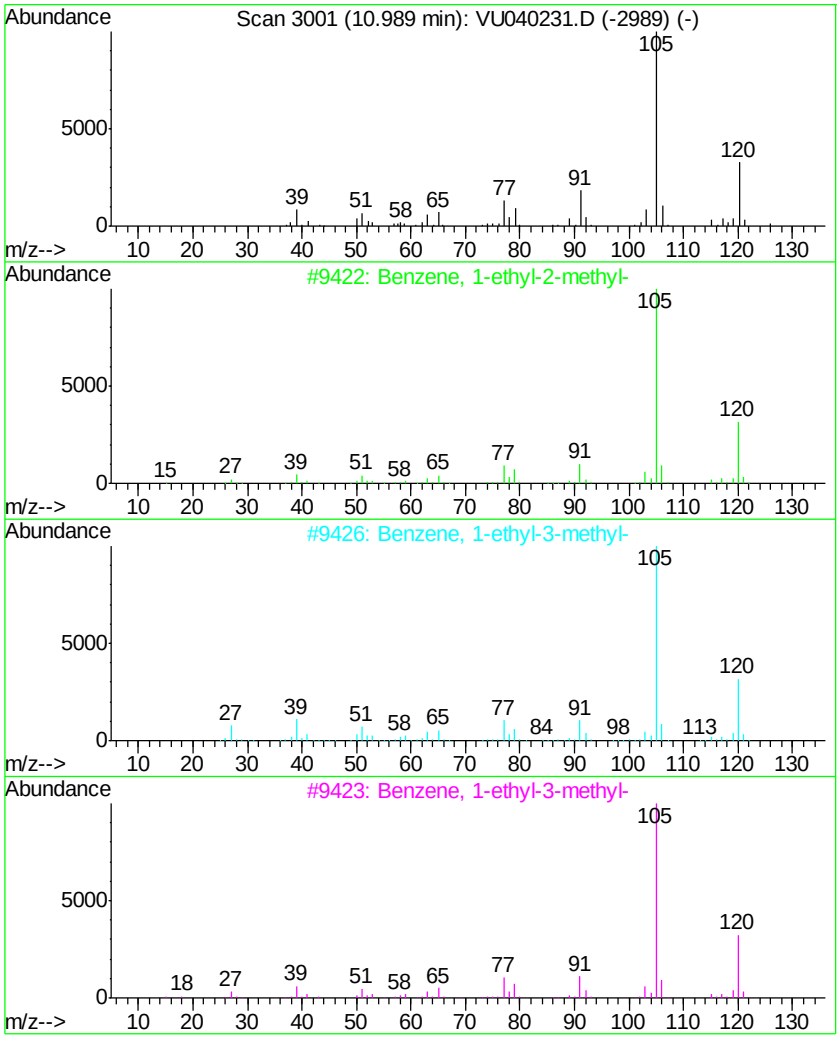
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

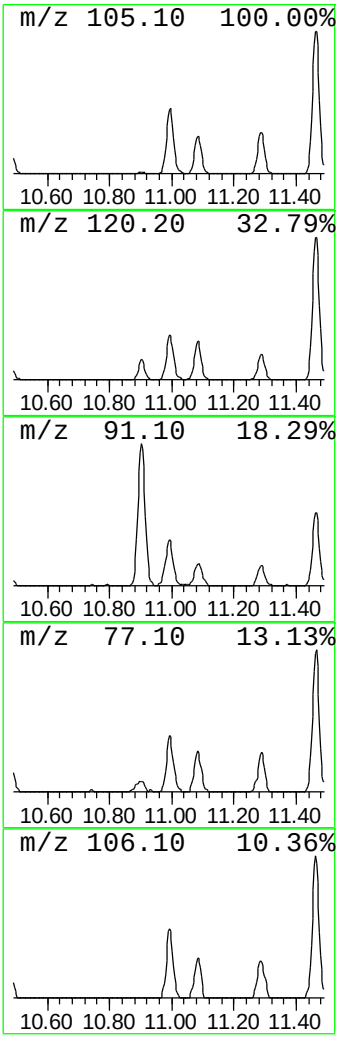
****

Peak Number 5 Benzene, 1-ethyl-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.99	1.44 ug/L	139179	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	91
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092120\
Data File : VU040231.D
Acq On : 21 Sep 2020 14:11
Operator : SY/MD
Sample : L4046-13 100X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG0Q1

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

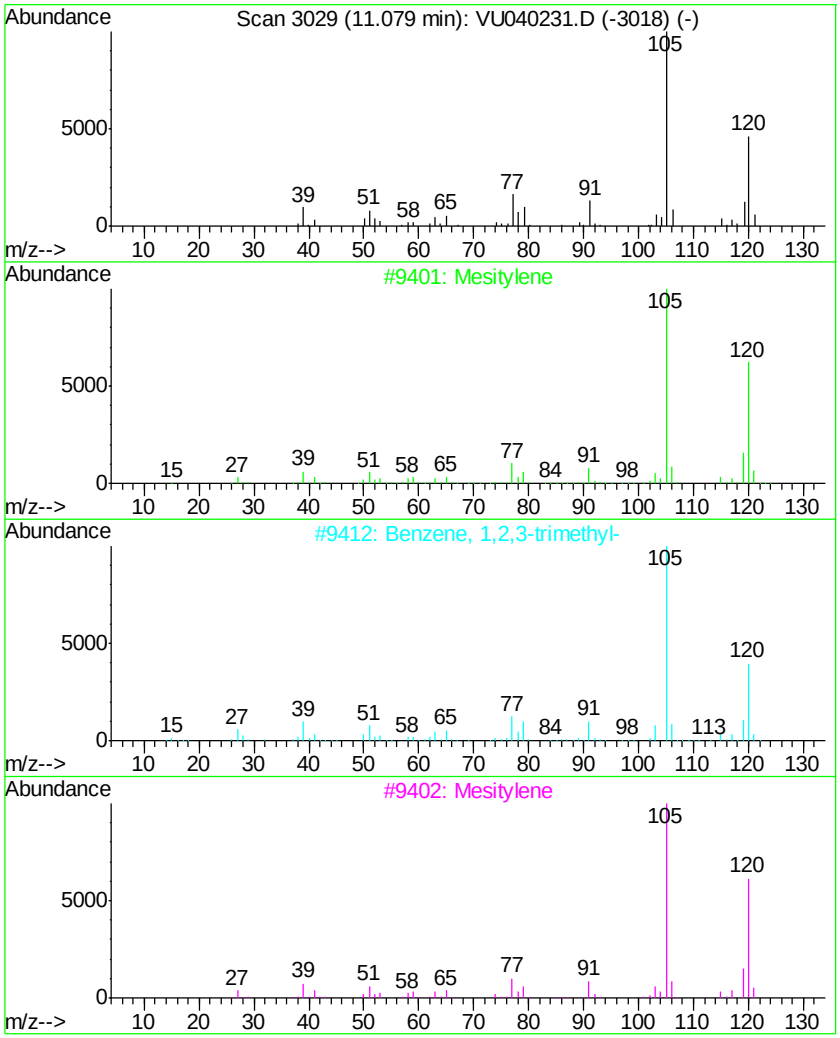
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

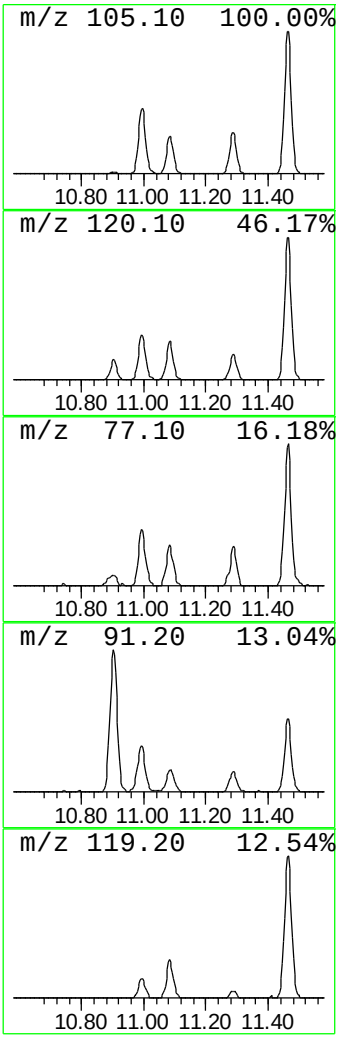
****

Peak Number 6 Mesitylene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.08	0.87 ug/L	83920	1,4-Dichlorobenzene-d4	11.81

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092120\
Data File : VU040231.D
Acq On : 21 Sep 2020 14:11
Operator : SY/MD
Sample : L4046-13 100X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG0Q1

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

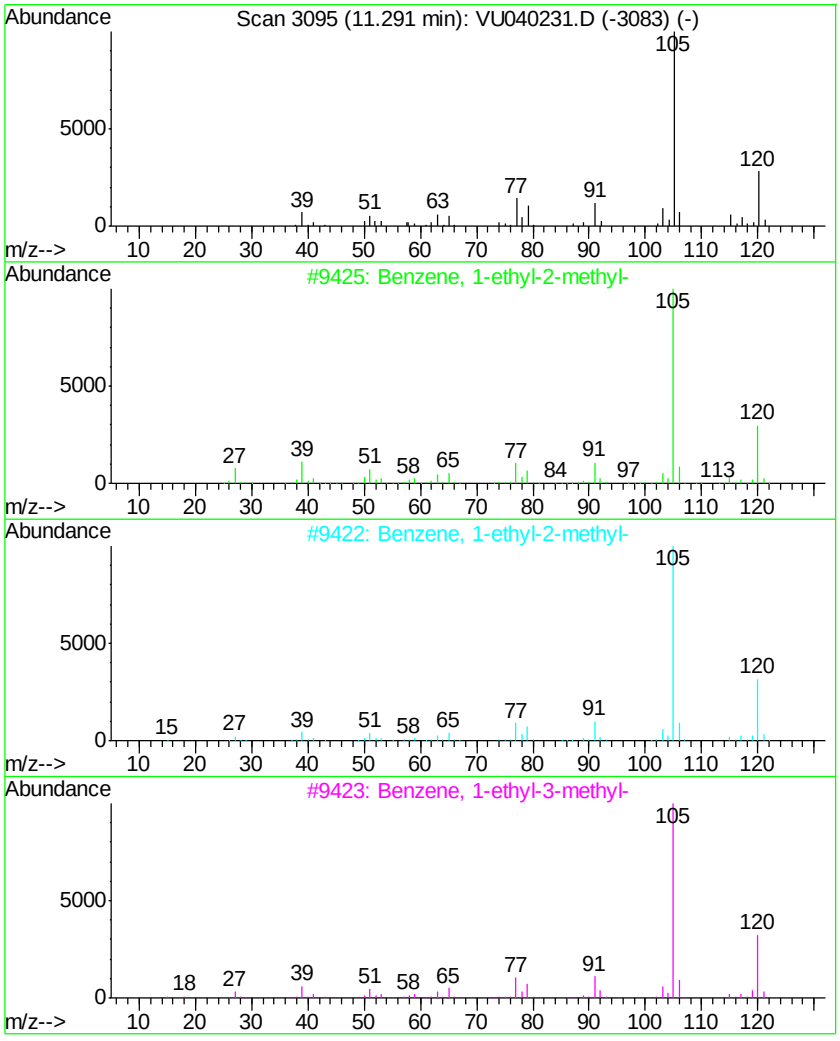
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

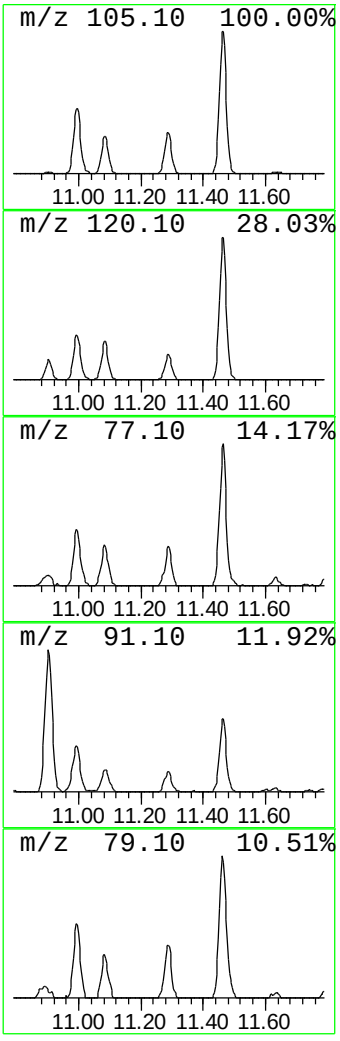
****

Peak Number 7 Benzene, 1-ethyl-3-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.29	0.86 ug/L	83220	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-ethyl-2-methyl-	120	C9H12	000611-14-3	94
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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092120\
Data File : VU040231.D
Acq On : 21 Sep 2020 14:11
Operator : SY/MD
Sample : L4046-13 100X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG0Q1

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

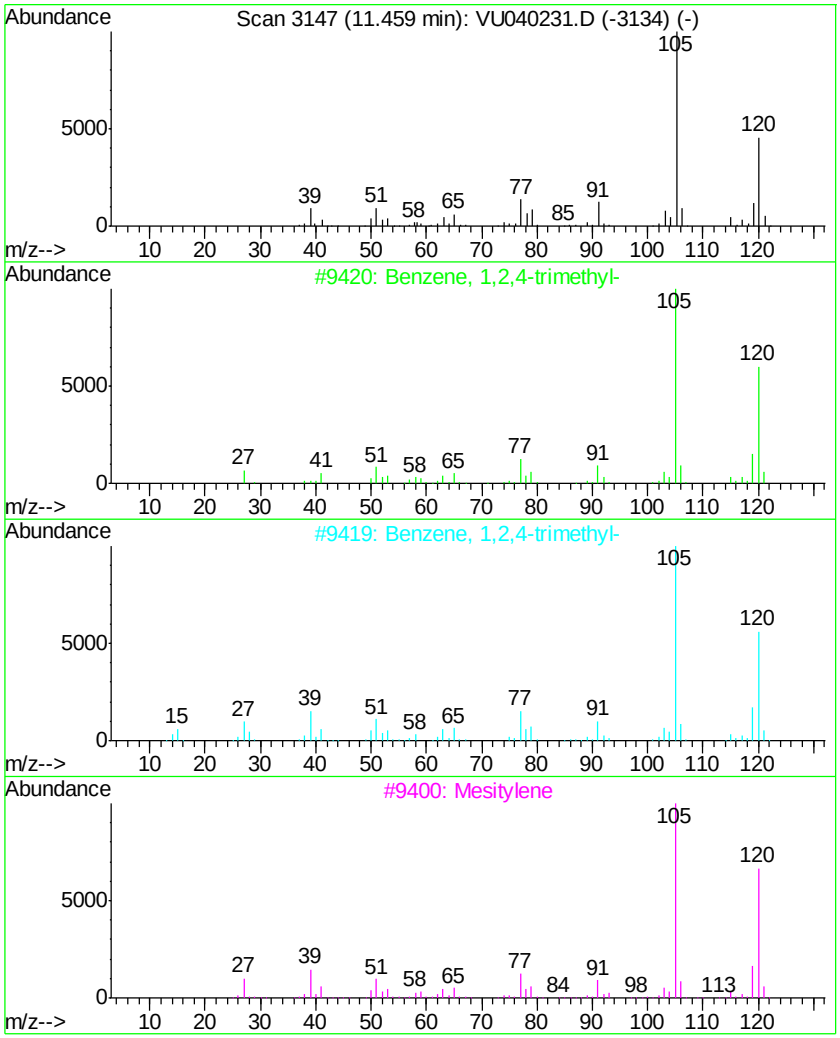
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

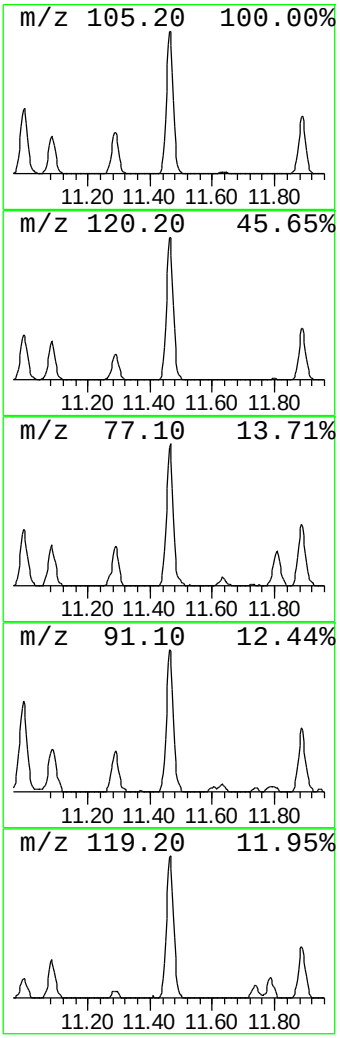
****

Peak Number 8 Benzene, 1,2,4-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.46	3.35 ug/L	323741	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	95
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
3	Mesitylene	120	C9H12	000108-67-8	95
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092120\
Data File : VU040231.D
Acq On : 21 Sep 2020 14:11
Operator : SY/MD
Sample : L4046-13 100X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG0Q1

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

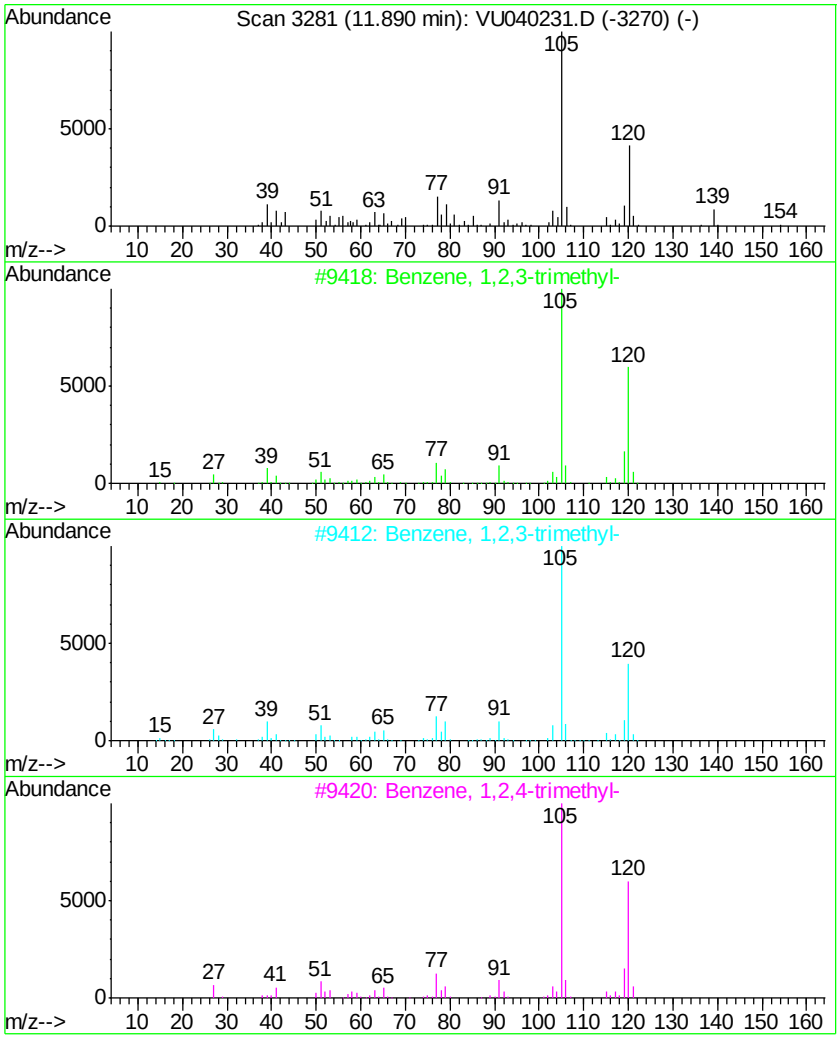
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

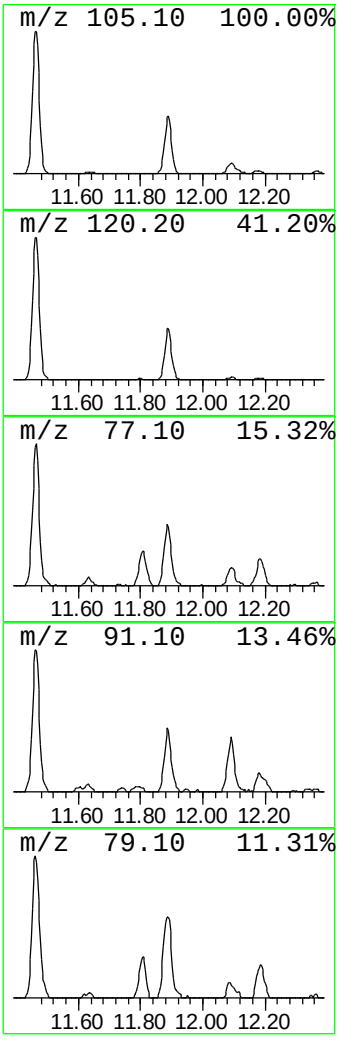
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	1.97 ug/L	190474	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	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	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\VU092120\
Data File : VU040231.D
Acq On : 21 Sep 2020 14:11
Operator : SY/MD
Sample : L4046-13 100X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG0Q1

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

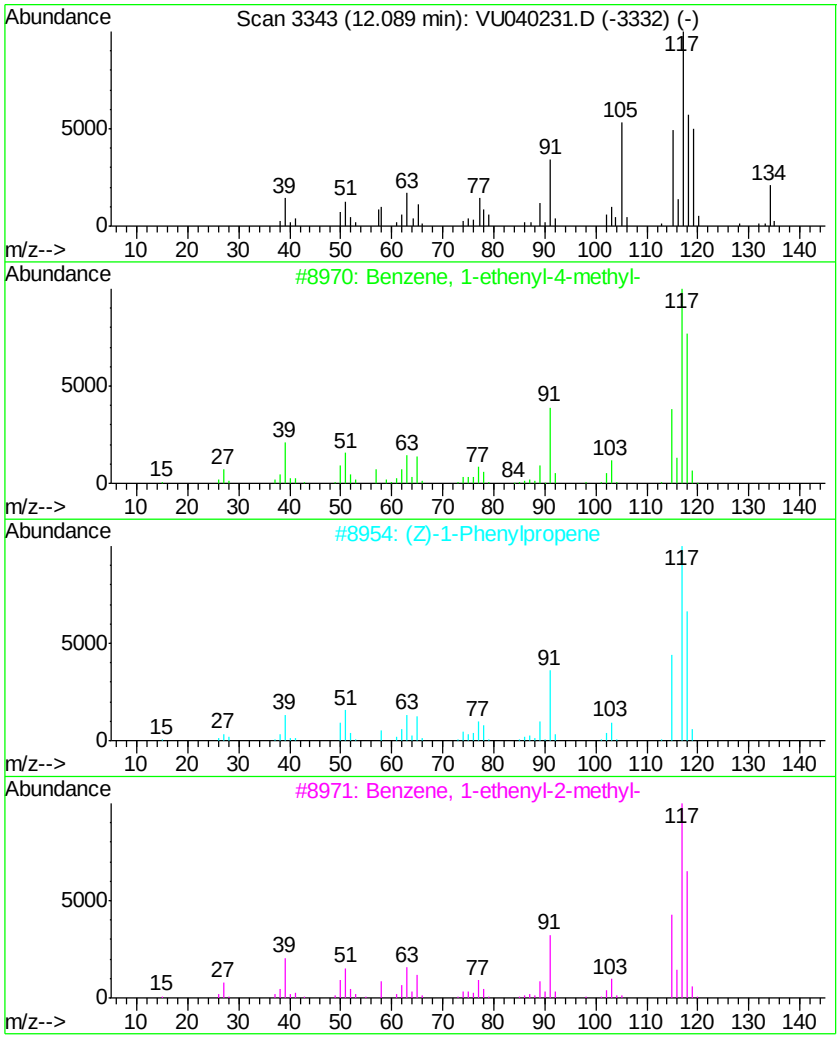
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

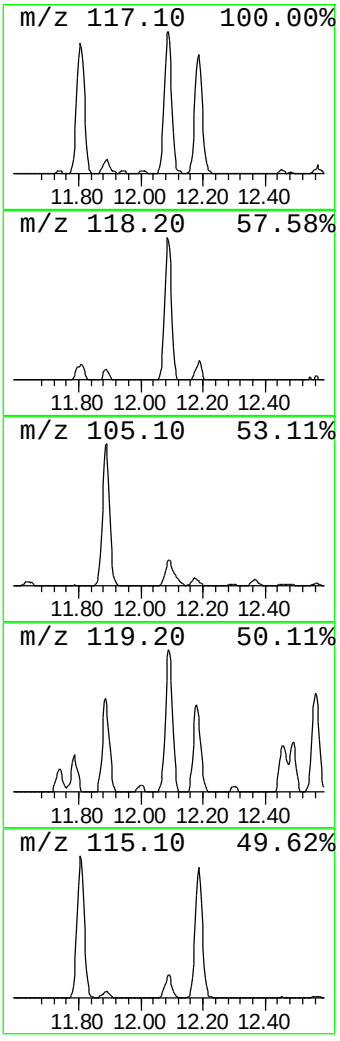
****

Peak Number 10 Benzene, 1-ethenyl-4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	0.92 ug/L	89404	1,4-Dichlorobenzene-d4	11.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	91
2	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	90
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	78
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	70
5	Indane	118	C9H10	000496-11-7	70





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092120\
Data File : VU040231.D
Acq On : 21 Sep 2020 14:11
Operator : SY/MD
Sample : L4046-13 100X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG0Q1

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

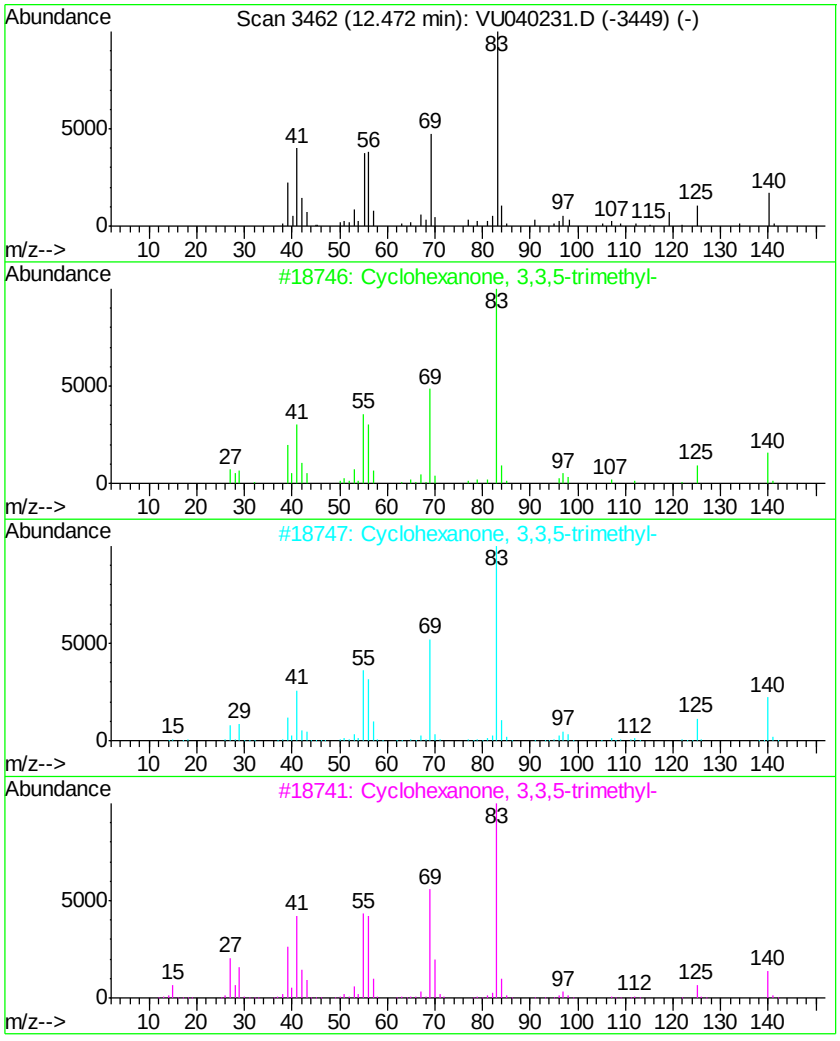
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

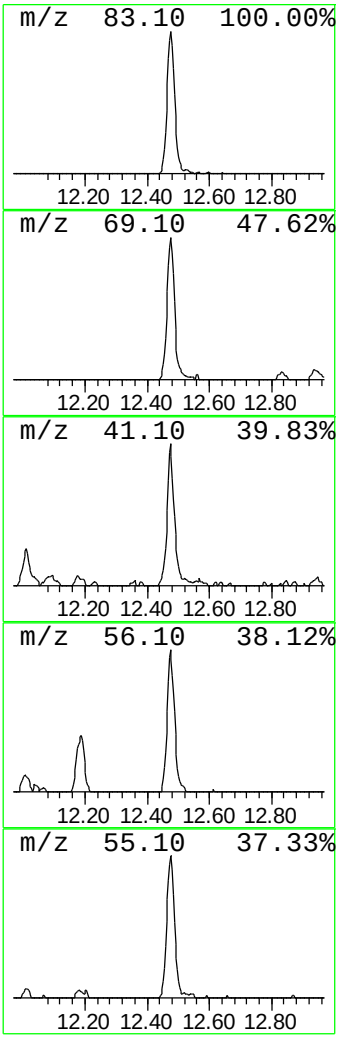
****

Peak Number 11 Cyclohexanone, 3,3,5-trimet... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	1.19 ug/L	114897	1,4-Dichlorobenzene-d4	11.81

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	93
3	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	91
4	1,3-Cyclohexanedione, 5,5-dimethyl-	140	C8H12O2	000126-81-8	47
5	2,4-Azetidinedione, 3,3-diethyl-	141	C7H11NO2	042282-85-9	47





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092120\
Data File : VU040231.D
Acq On : 21 Sep 2020 14:11
Operator : SY/MD
Sample : L4046-13 100X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG0Q1

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	0.9	ug/L	58711	1	6.26	336380	5.0
Diisopropyl ether	4.01	4.9	ug/L	327429	1	6.26	336380	5.0
3-Heptanone, 5-me...	10.89	1.9	ug/L	179027	3	11.81	483601	5.0
Benzene, 1-ethyl-...	10.99	1.4	ug/L	139179	3	11.81	483601	5.0
Mesitylene	11.08	0.9	ug/L	83920	3	11.81	483601	5.0
Benzene, 1-ethyl-...	11.29	0.9	ug/L	83220	3	11.81	483601	5.0
Benzene, 1,2,4-tr...	11.46	3.4	ug/L	323741	3	11.81	483601	5.0
Benzene, 1,2,3-tr...	11.89	2.0	ug/L	190474	3	11.81	483601	5.0
Benzene, 1-etheny...	12.09	0.9	ug/L	89404	3	11.81	483601	5.0
Cyclohexanone, 3,...	12.47	1.2	ug/L	114897	3	11.81	483601	5.0