LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052720\
Data File : VU038330.D
Acq On : 27 May 2020 18:52
Operator : JC/MD
Sample : L2749-15 50X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X9

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	1.610	76	84	99	rBV	132283	150333	2.17%	0.542%
2	1.928	175	183	196	rVB	113183	154459	2.23%	0.557%
3	2.398	318	329	349	rVB	116534	181278	2.62%	0.653%
4	2.591	375	389	401	rBV	227875	368621	5.32%	1.329%
5	3.218	570	584	601	rVB	40345	94992	1.37%	0.342%
6	4.034	815	838	860	rBV	132914	345447	4.99%	1.245%
7	4.571	986	1005	1019	rBV4	40193	107553	1.55%	0.388%
8	4.661	1019	1033	1076	rVB2	279061	698661	10.08%	2.518%
9	5.102	1154	1170	1187	rBV	226323	503624	7.27%	1.815%
10	5.761	1353	1375	1380	rBV2	449465	1110500	16.03%	4.003%
11	5.809	1380	1390	1420	rVB	2068831	4186740	60.43%	15.090%
12	6.279	1522	1536	1563	rVB	369266	713125	10.29%	2.570%
13	6.722	1656	1674	1688	rBV	284506	551867	7.97%	1.989%
14	7.591	1929	1944	1961	rBV	147364	258779	3.74%	0.933%
15	7.922	2026	2047	2057	rBV	547217	966264	13.95%	3.483%
16	7.992	2057	2069	2112	rVB	3854884	6928360	100.00%	24.972%
17	8.201	2124	2134	2149	rVB2	94306	155303	2.24%	0.560%
18	8.655	2260	2275	2313	rBV	776396	1416413	20.44%	5.105%
19	9.439	2504	2519	2521	rBV	552457	802803	11.59%	2.894%
20	9.465	2522	2527	2554	rVV	936418	1542077	22.26%	5.558%
21	9.587	2554	2565	2590	rVV	352843	612036	8.83%	2.206%
22	9.709	2590	2603	2635	rVB	952136	1626589	23.48%	5.863%
23	10.118	2716	2730	2757	rVB	412404	685050	9.89%	2.469%
24	10.500	2836	2849	2872	rVB	200162	323506	4.67%	1.166%
25	10.771	2914	2933	2945	rBV	225785	369549	5.33%	1.332%
26	10.915	2963	2978	2993	rBV2	72965	150478	2.17%	0.542%
27	11.008	2995	3007	3014	rBV4	53058	99729	1.44%	0.359%
28	11.304	3089	3099	3120	rVB2	64068	107235	1.55%	0.387%
29	11.478	3144	3153	3166	rVB	145806	222265	3.21%	0.801%
30	11.825	3248	3261	3277	rBV	596336	1003077	14.48%	3.615%
31	11.906	3277	3286	3298	rVB2	86136	138155	1.99%	0.498%
32	12.108	3335	3349	3366	rVB3	93206	148086	2.14%	0.534%
33	12.205	3366	3379	3399	rBV	613236	1021452	14.74%	3.682%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052720\
Data File : VU038330.D
Acq On : 27 May 2020 18:52
Operator : JC/MD
Sample : L2749-15 50X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X9

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: 27744406

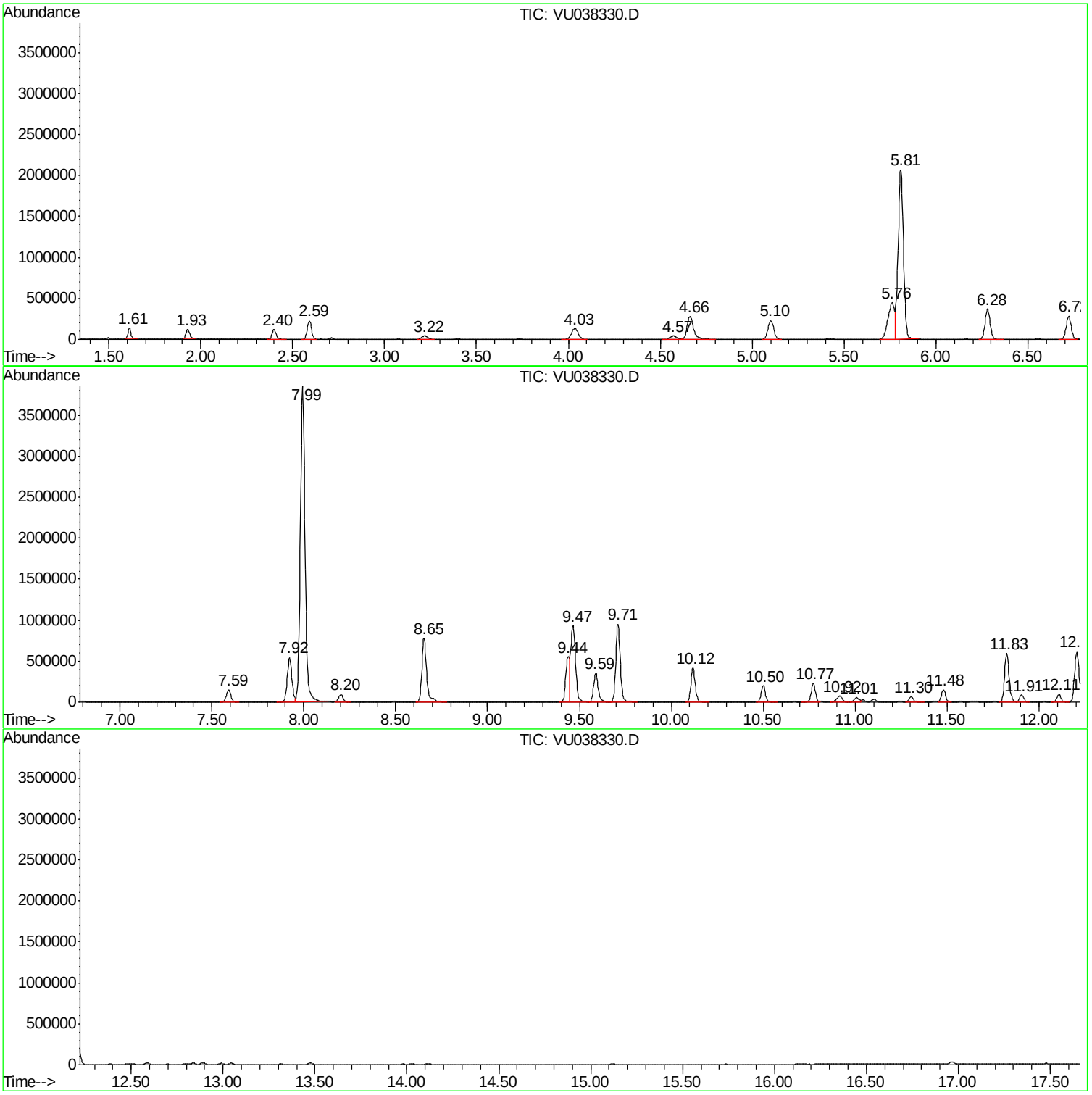
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052720\
Data File : VU038330.D
Acq On : 27 May 2020 18:52
Operator : JC/MD
Sample : L2749-15 50X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X9

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052720\
Data File : VU038330.D
Acq On : 27 May 2020 18:52
Operator : JC/MD
Sample : L2749-15 50X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X9

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

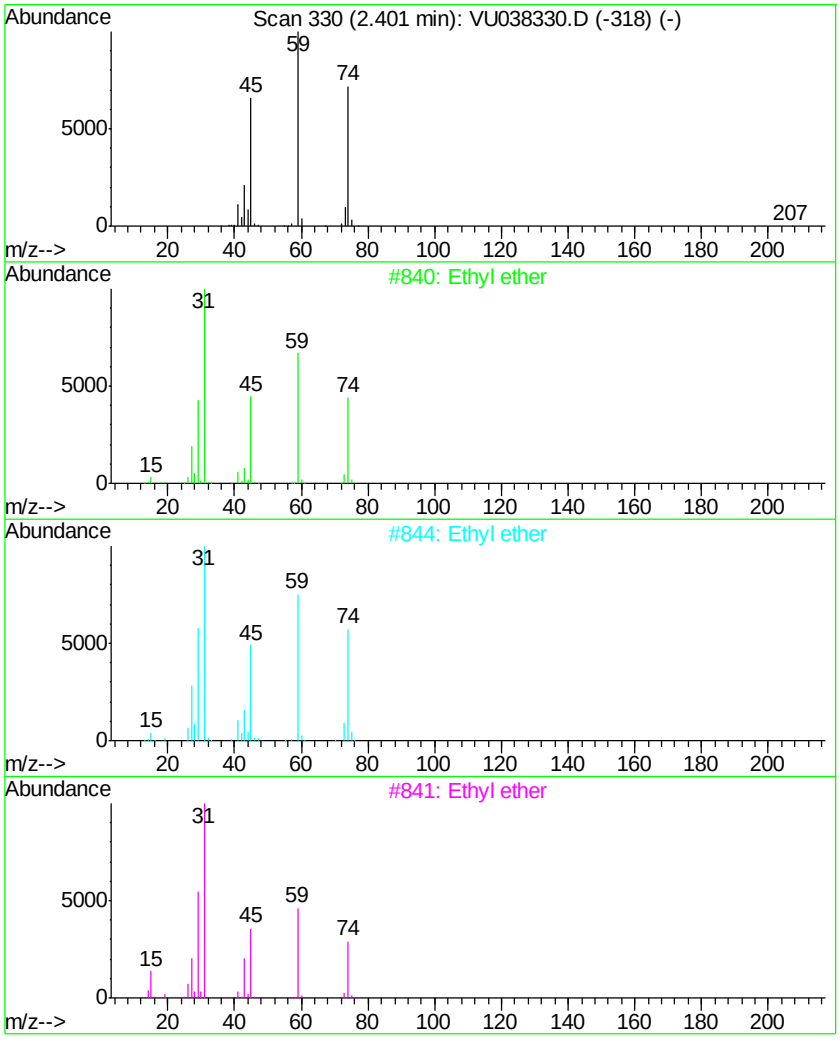
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

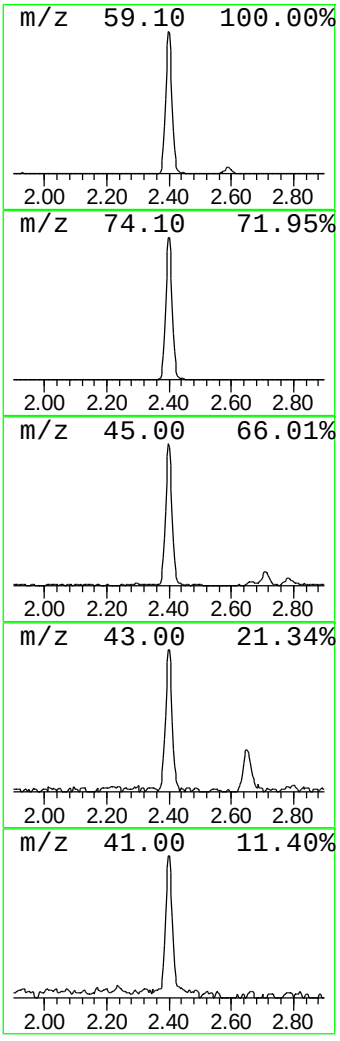
****

Peak Number 1 Ethyl ether Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.40	1.27 ug/L	181278	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	Ethane, 1,2-diethoxy-	118	C6H14O2	000629-14-1	74
5	Ethane, 1,2-diethoxy-	118	C6H14O2	000629-14-1	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052720\
Data File : VU038330.D
Acq On : 27 May 2020 18:52
Operator : JC/MD
Sample : L2749-15 50X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X9

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

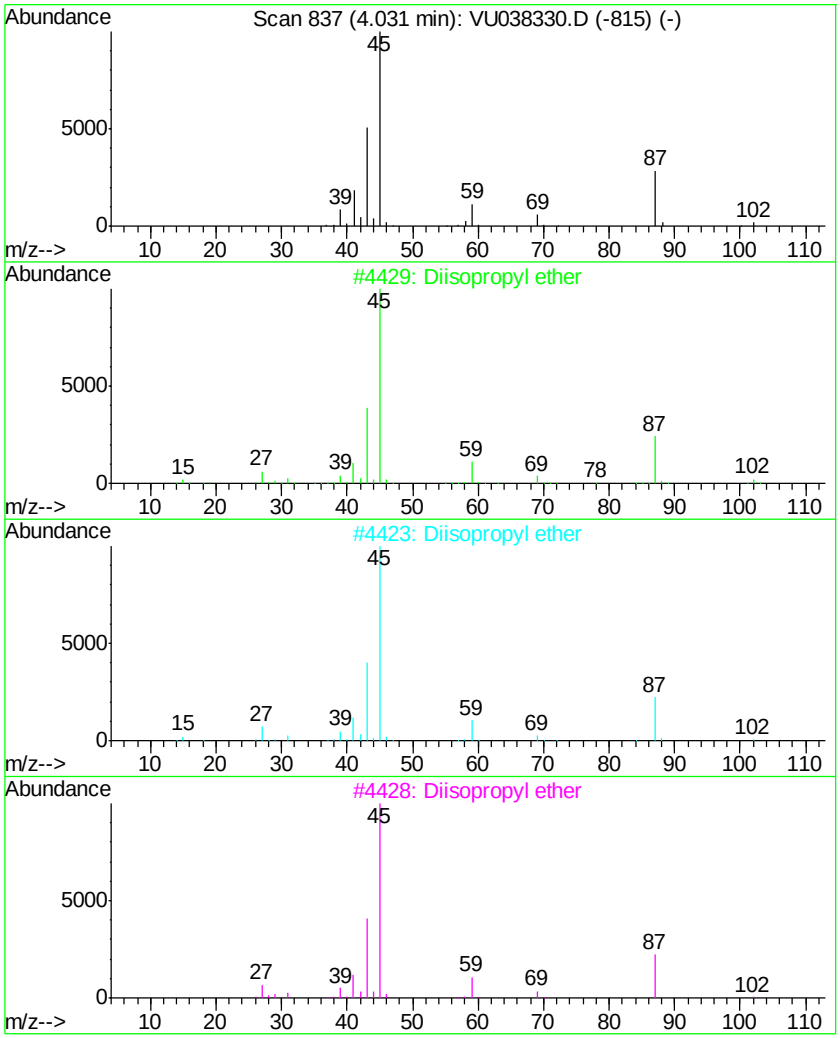
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

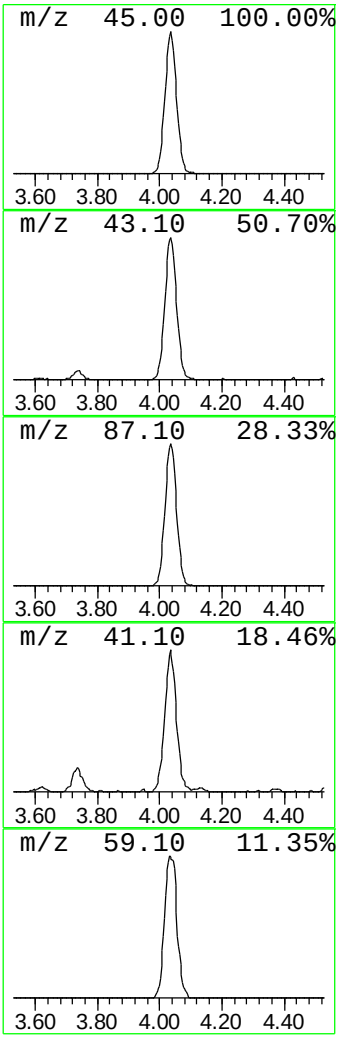
****

Peak Number 3 Diisopropyl ether Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.03	2.42 ug/L	345447	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diisopropyl ether	102	C6H14O	000108-20-3	91
2	Diisopropyl ether	102	C6H14O	000108-20-3	83
3	Diisopropyl ether	102	C6H14O	000108-20-3	83
4	1-Propanol, 2-(1-methylethoxy)-	118	C6H14O2	003944-37-4	78
5	Ether, sec-butyl isopropyl	116	C7H16O	018641-81-1	74





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052720\
Data File : VU038330.D
Acq On : 27 May 2020 18:52
Operator : JC/MD
Sample : L2749-15 50X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X9

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

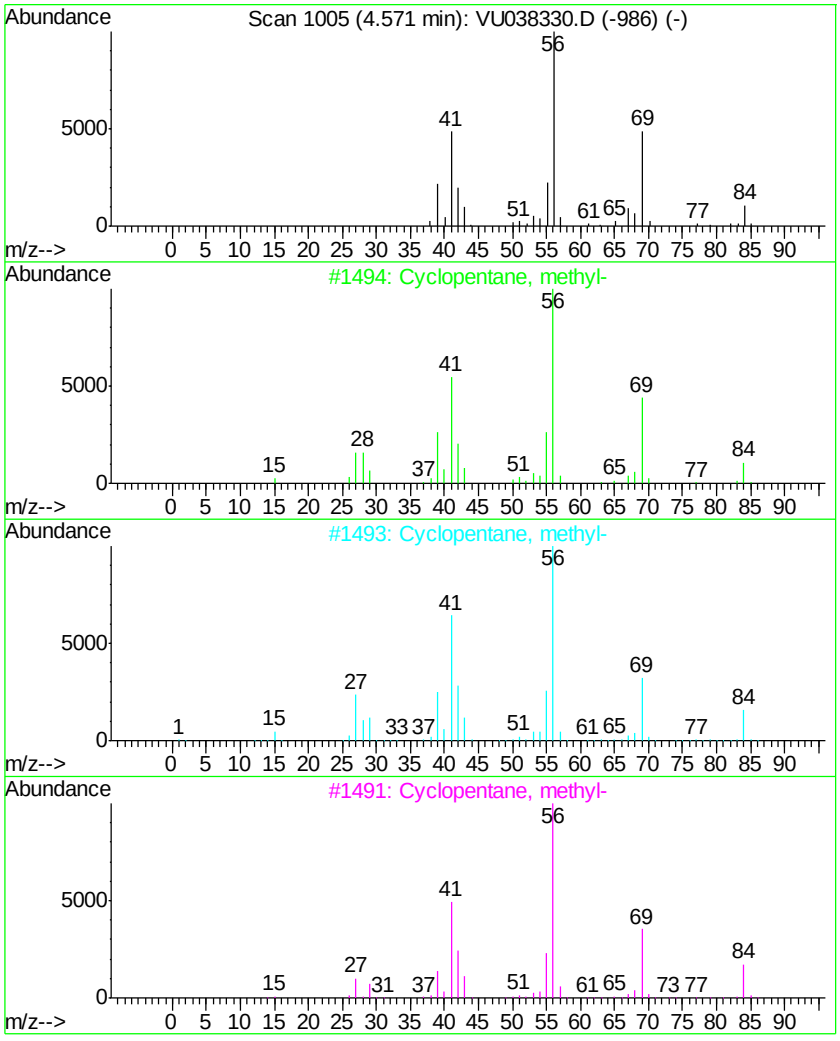
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

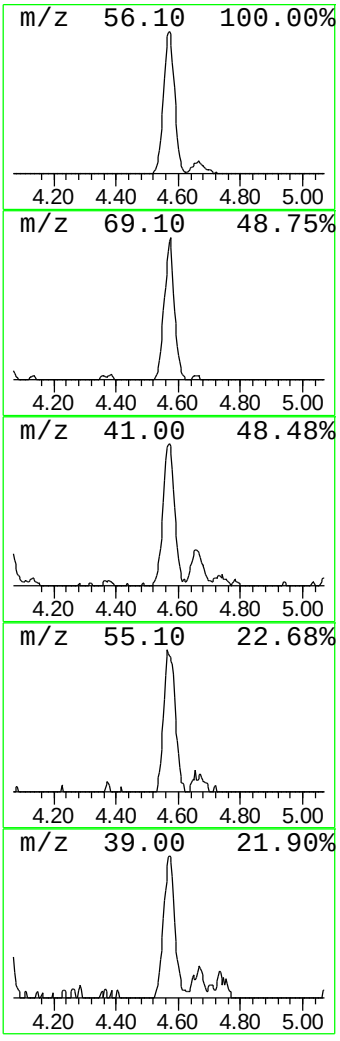
****

Peak Number 4 (DEL) Alkane: Cyclic4.57 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.57	0.75 ug/L	107553	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	90
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	80
3	Cyclopentane, methyl-	84	C6H12	000096-37-7	72
4	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72
5	Cyclobutane, ethyl-	84	C6H12	004806-61-5	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052720\
Data File : VU038330.D
Acq On : 27 May 2020 18:52
Operator : JC/MD
Sample : L2749-15 50X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X9

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

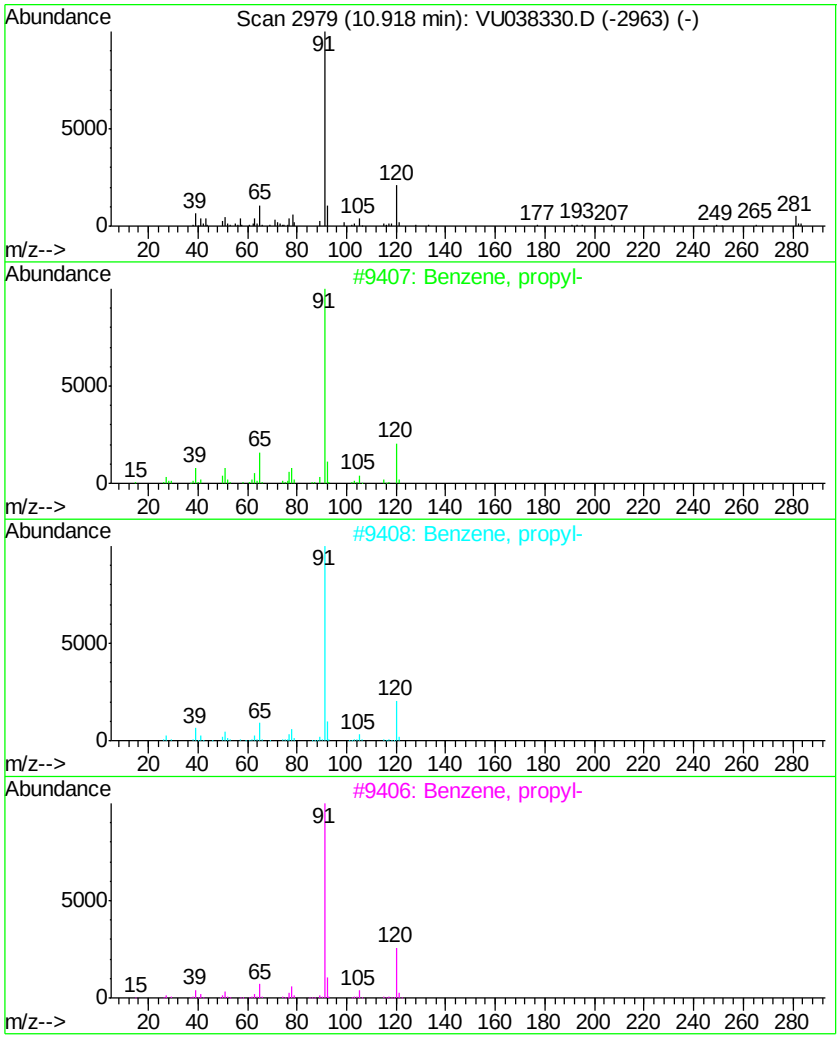
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

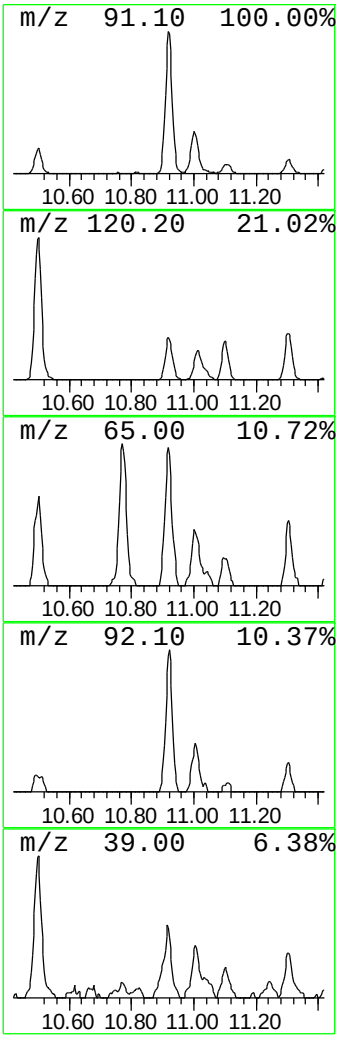
****

Peak Number 6 Benzene, propyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.92	0.75 ug/L	150478	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	76
2	Benzene, propyl-	120	C9H12	000103-65-1	76
3	Benzene, propyl-	120	C9H12	000103-65-1	68
4	n-Butylbenzylamine	163	C11H17N	002403-22-7	59
5	Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052720\
Data File : VU038330.D
Acq On : 27 May 2020 18:52
Operator : JC/MD
Sample : L2749-15 50X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X9

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

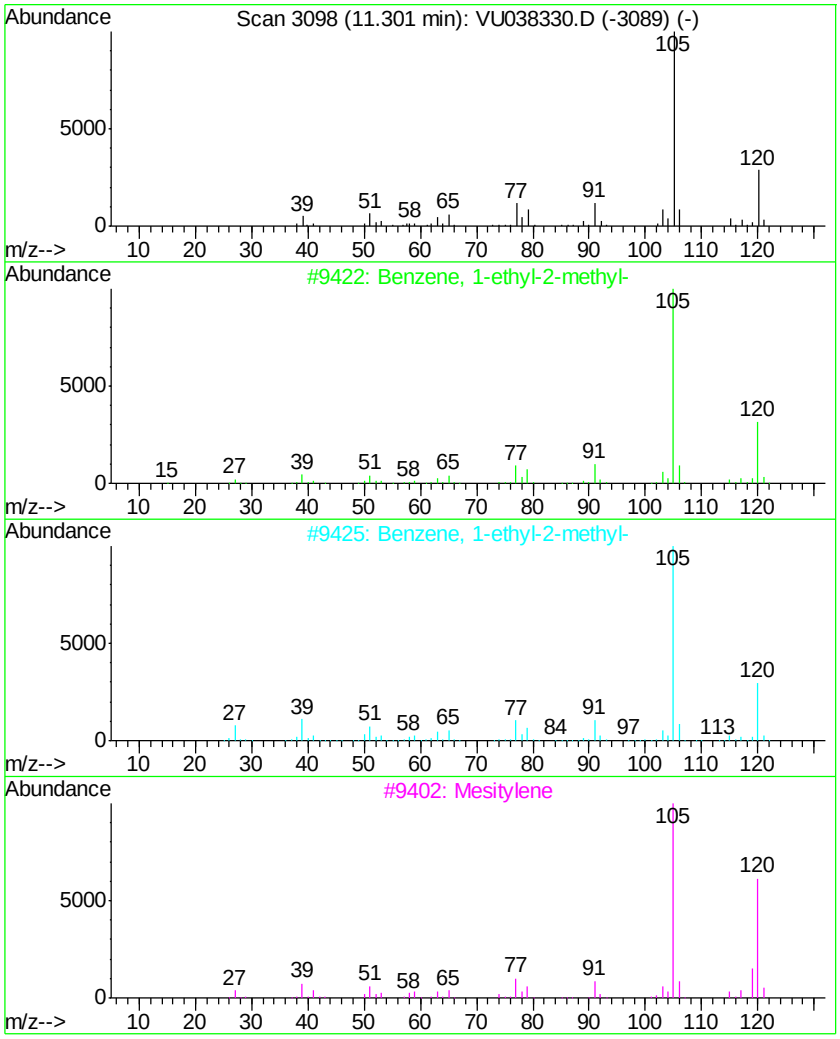
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

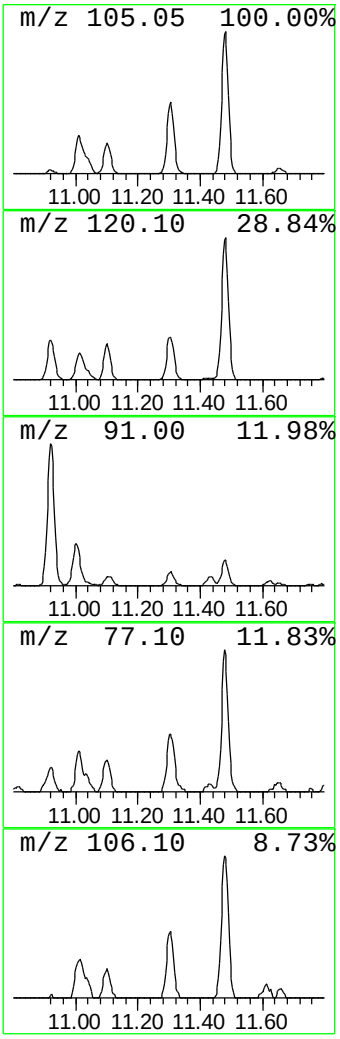
****

Peak Number 7 Benzene, 1-ethyl-2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.30	0.53 ug/L	107235	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Mesitylene	120	C9H12	000108-67-8	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052720\
Data File : VU038330.D
Acq On : 27 May 2020 18:52
Operator : JC/MD
Sample : L2749-15 50X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X9

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

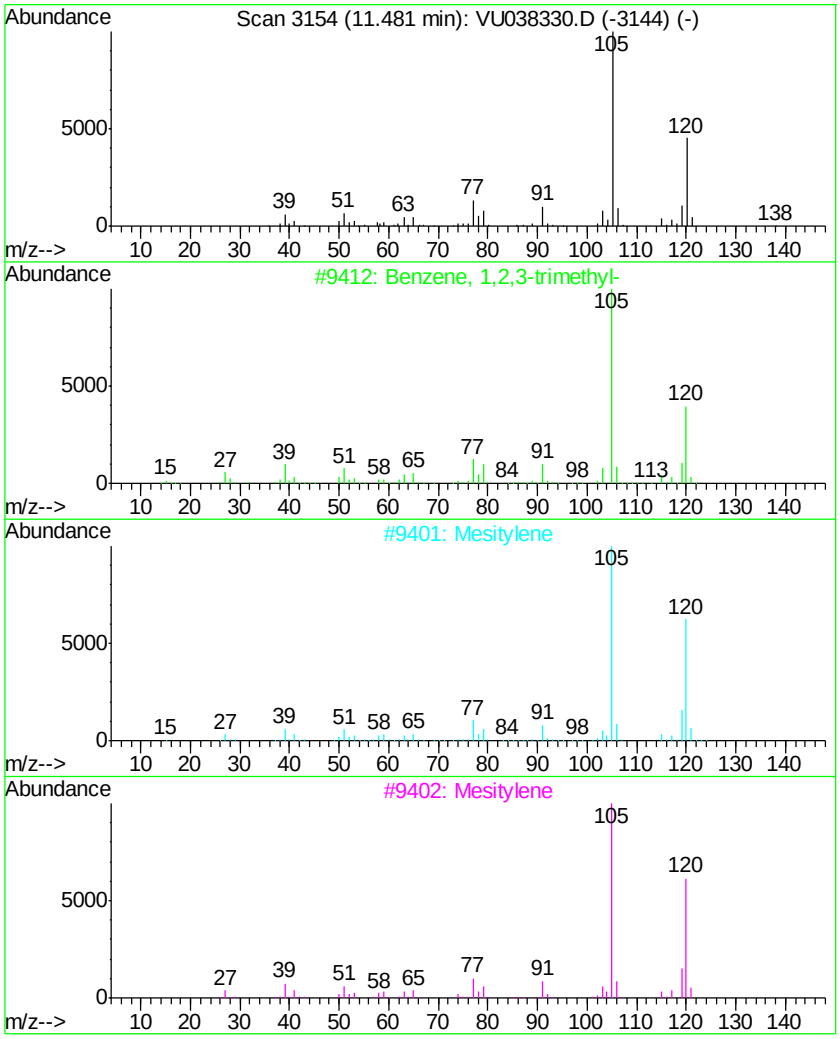
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

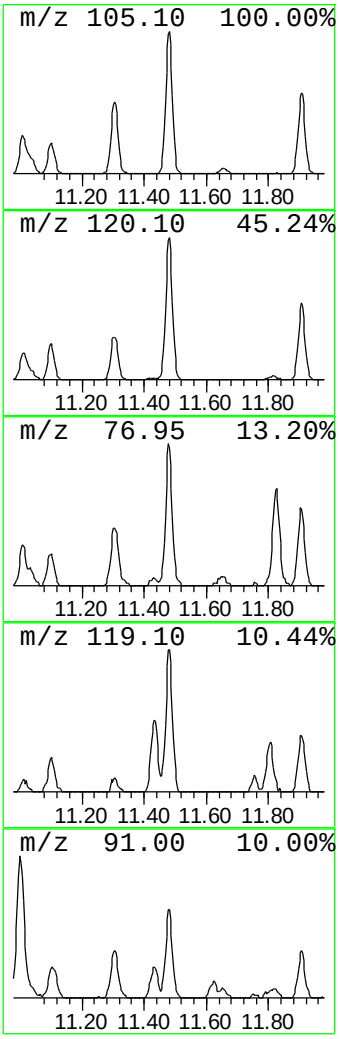
****

Peak Number 8 Mesitylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.48	1.11 ug/L	222265	1,4-Dichlorobenzene-d4	11.83

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	95
3	Mesitylene	120	C9H12	000108-67-8	95
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052720\
Data File : VU038330.D
Acq On : 27 May 2020 18:52
Operator : JC/MD
Sample : L2749-15 50X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X9

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

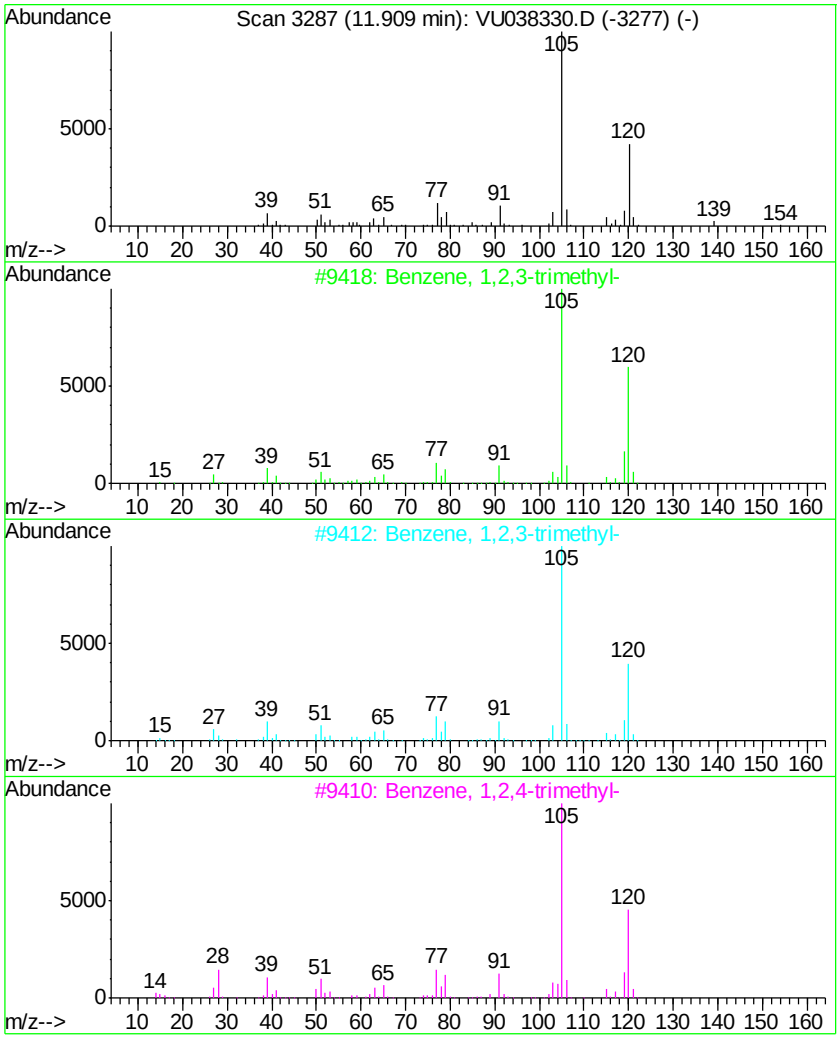
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

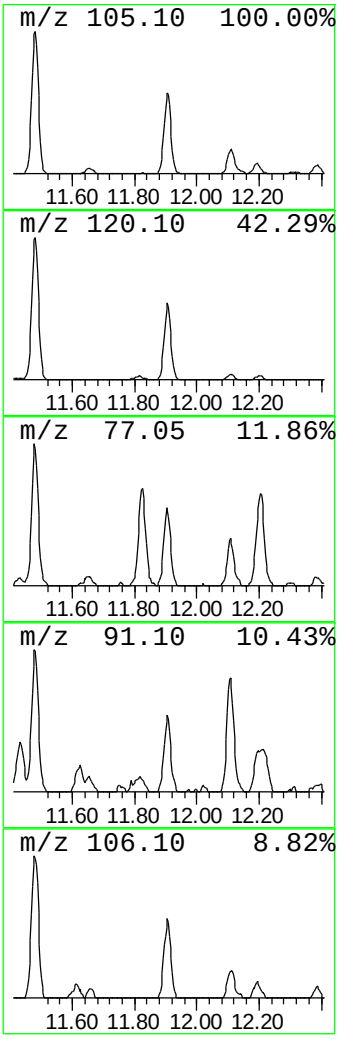
****

Peak Number 9 Benzene, 1,2,3-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	0.69 ug/L	138155	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	93
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052720\
Data File : VU038330.D
Acq On : 27 May 2020 18:52
Operator : JC/MD
Sample : L2749-15 50X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X9

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

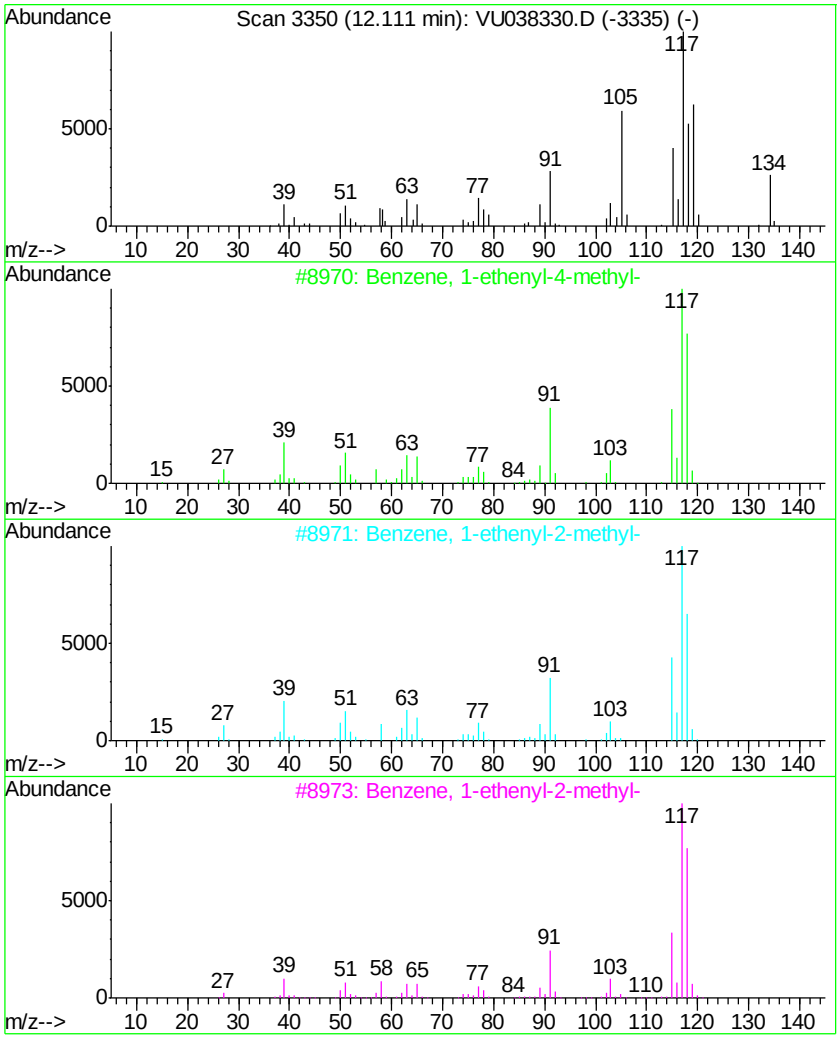
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

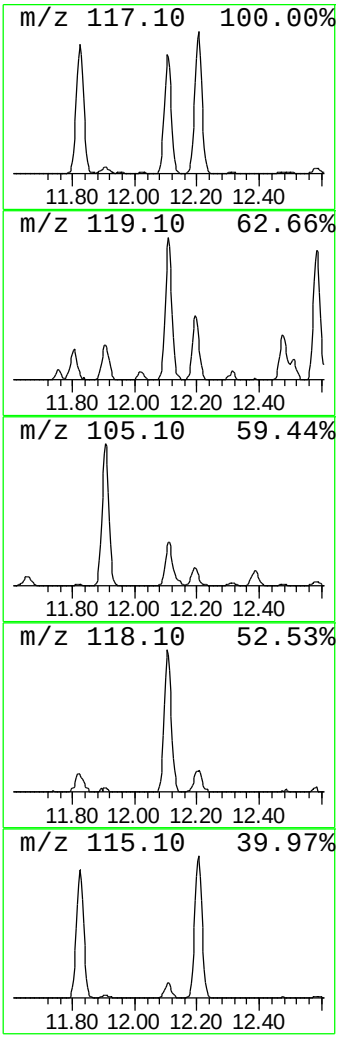
****

Peak Number 10 Benzene, 1-ethenyl-4-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	0.74 ug/L	148086	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	78
2	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	78
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	60
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	60
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	60





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052720\
Data File : VU038330.D
Acq On : 27 May 2020 18:52
Operator : JC/MD
Sample : L2749-15 50X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X9

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	1.3	ug/L	181278	1	6.28	713125	5.0
Diisopropyl ether	4.03	2.4	ug/L	345447	1	6.28	713125	5.0
(DEL) Alkane: Cyc...	4.57	0.8	ug/L	107553	1	6.28	713125	5.0
Benzene, propyl-	10.92	0.8	ug/L	150478	3	11.83	1003080	5.0
Benzene, 1-ethyl-...	11.30	0.5	ug/L	107235	3	11.83	1003080	5.0
Mesitylene	11.48	1.1	ug/L	222265	3	11.83	1003080	5.0
Benzene, 1,2,3-tr...	11.91	0.7	ug/L	138155	3	11.83	1003080	5.0
Benzene, 1-etheny...	12.11	0.7	ug/L	148086	3	11.83	1003080	5.0