LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092820\
Data File : VU040342.D
Acq On : 28 Sep 2020 19:29
Operator : SY/MD
Sample : L4139-07DL 50X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG493DL

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	75	82	96	rVB	54756	61688	3.10%	0.595%
2	1.922	172	181	193	rVB	49875	66982	3.37%	0.646%
3	2.388	314	326	344	rVB	53210	81107	4.08%	0.782%
4	2.581	372	386	403	rBV	95767	160167	8.05%	1.544%
5	4.015	814	832	853	rBV2	62412	164947	8.29%	1.590%
6	4.549	984	998	1011	rBV4	15694	37633	1.89%	0.363%
7	4.652	1015	1030	1069	rVV	101074	284208	14.29%	2.740%
8	5.083	1147	1164	1187	rVB	95739	216543	10.89%	2.087%
9	5.742	1344	1369	1374	rBV2	180952	445131	22.38%	4.291%
10	5.790	1374	1384	1406	rVB	824024	1672910	84.10%	16.126%
11	6.263	1515	1531	1547	rBV	168566	313285	15.75%	3.020%
12	6.703	1654	1668	1683	rBV2	116466	227206	11.42%	2.190%
13	7.575	1927	1939	1955	rBV2	52631	93330	4.69%	0.900%
14	7.906	2025	2042	2052	rBV	205360	349400	17.56%	3.368%
15	7.976	2052	2064	2088	rVB	1183204	1989304	100.00%	19.176%
16	8.185	2117	2129	2144	rVB2	35984	60010	3.02%	0.578%
17	8.639	2253	2270	2298	rBV	366288	649588	32.65%	6.262%
18	9.423	2500	2514	2516	rBV	257889	384368	19.32%	3.705%
19	9.449	2516	2522	2543	rVB	427020	714031	35.89%	6.883%
20	9.571	2549	2560	2581	rVB	132910	221396	11.13%	2.134%
21	9.693	2584	2598	2614	rBV	364197	593049	29.81%	5.717%
22	10.099	2712	2724	2740	rBV	150099	244197	12.28%	2.354%
23	10.481	2831	2843	2859	rBV2	66879	106978	5.38%	1.031%
24	10.755	2916	2928	2939	rBV2	95442	150239	7.55%	1.448%
25	10.899	2959	2973	2986	rBV	25792	46653	2.35%	0.450%
26	10.989	2990	3001	3008	rBV4	18152	32304	1.62%	0.311%
27	11.288	3084	3094	3105	rBV	22092	33910	1.70%	0.327%
28	11.462	3139	3148	3162	rVB2	41092	64972	3.27%	0.626%
29	11.806	3242	3255	3272	rBV	252997	425954	21.41%	4.106%
30	11.886	3272	3280	3292	rVB2	30996	47670	2.40%	0.460%
31	12.089	3333	3343	3354	rVB3	34127	52586	2.64%	0.507%
32	12.185	3361	3373	3390	rBV	228620	382344	19.22%	3.686%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092820\
Data File : VU040342.D
Acq On : 28 Sep 2020 19:29
Operator : SY/MD
Sample : L4139-07DL 50X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG493DL

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: 10374090

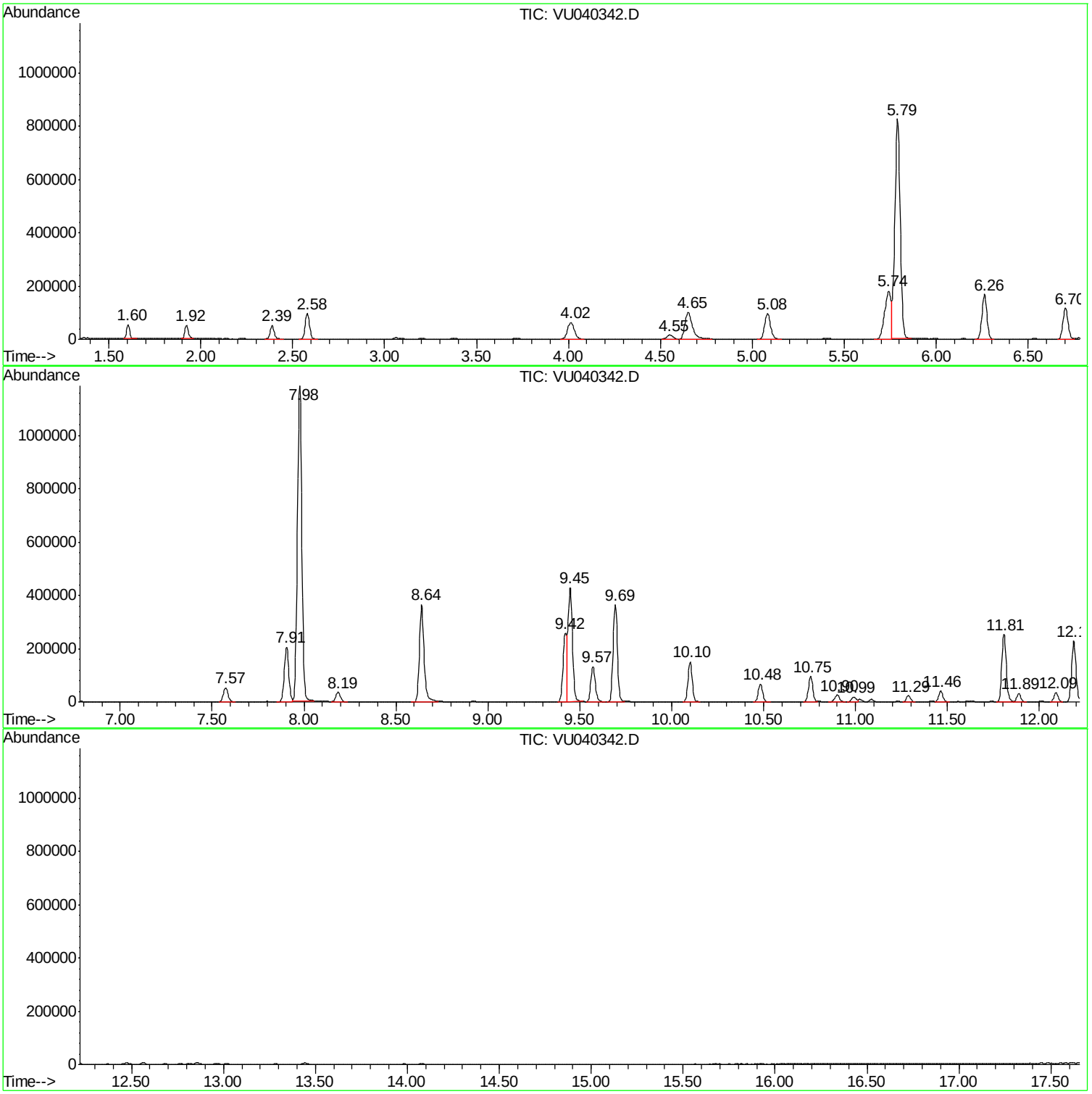
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092820\
Data File : VU040342.D
Acq On : 28 Sep 2020 19:29
Operator : SY/MD
Sample : L4139-07DL 50X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG493DL

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\VU092820\
Data File : VU040342.D
Acq On : 28 Sep 2020 19:29
Operator : SY/MD
Sample : L4139-07DL 50X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG493DL

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

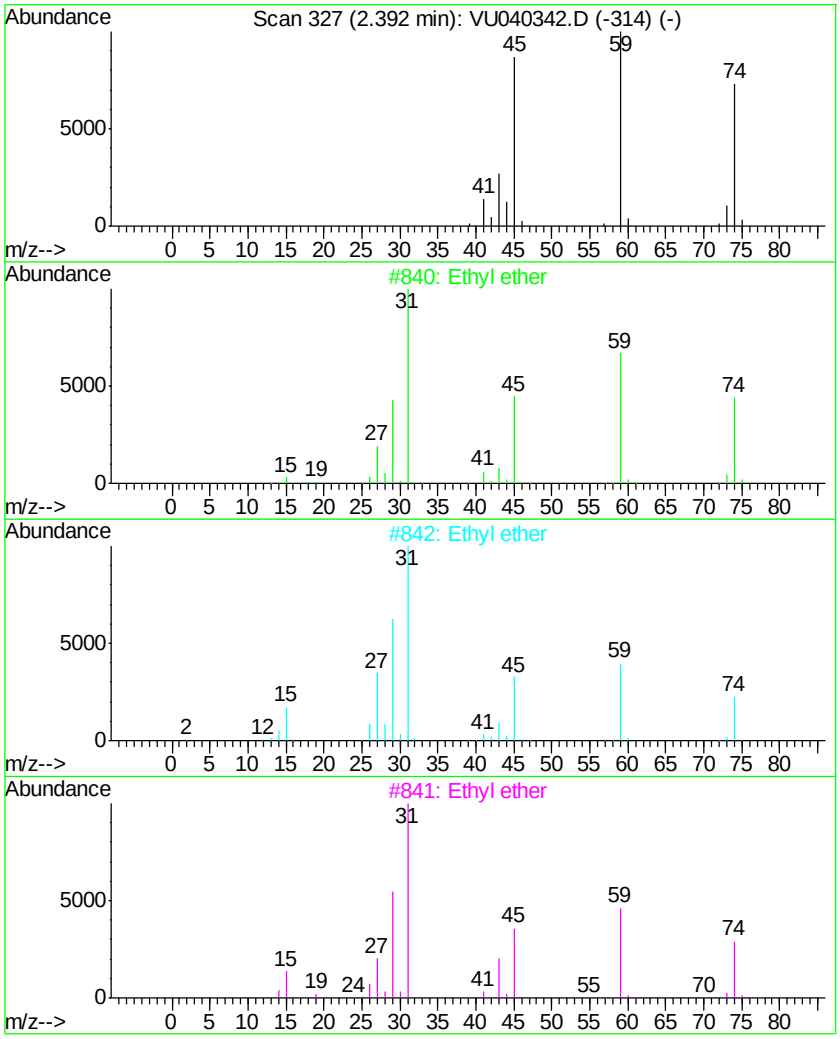
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

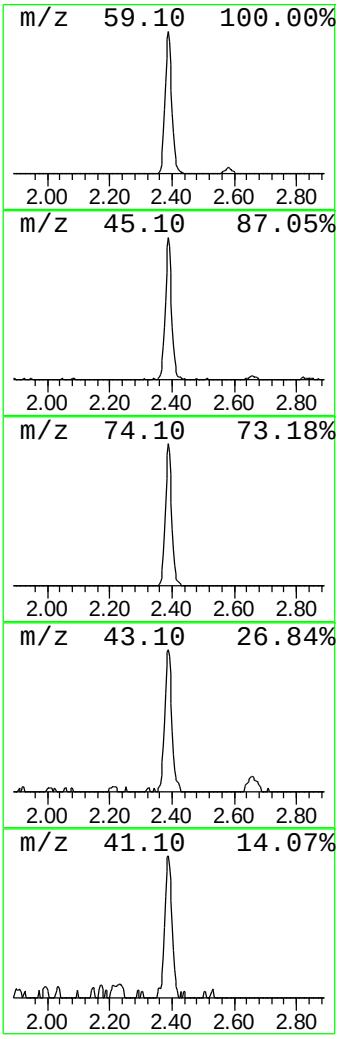
****

Peak Number 1 Ethyl ether Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.39	1.29 ug/L	81107	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	64
5	Ethyl ether	74	C4H10O	000060-29-7	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092820\
Data File : VU040342.D
Acq On : 28 Sep 2020 19:29
Operator : SY/MD
Sample : L4139-07DL 50X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG493DL

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

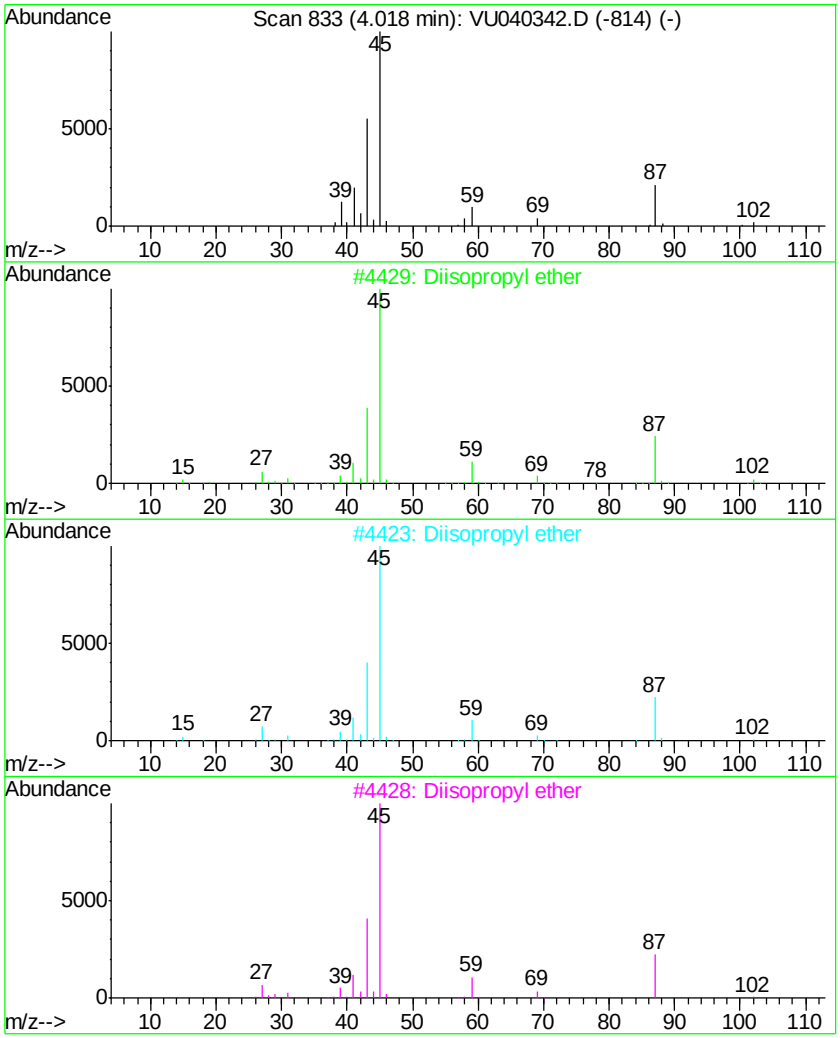
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

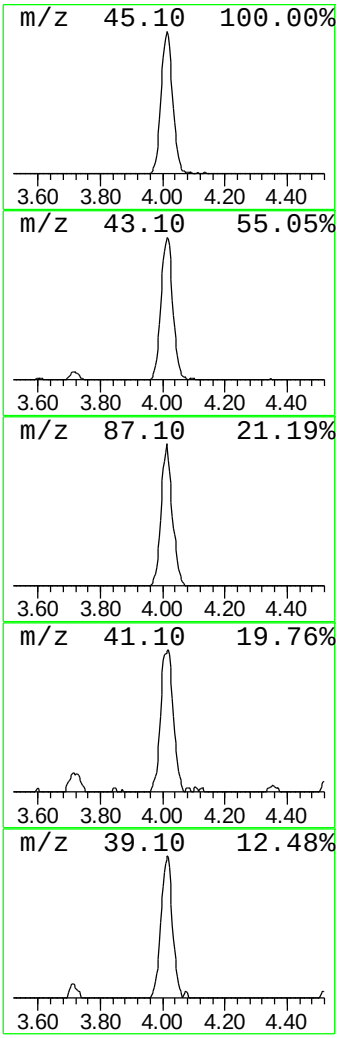
****

Peak Number 2 Diisopropyl ether Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.02	2.63 ug/L	164947	1,4-Difluorobenzene	6.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diisopropyl ether	102	C6H14O	000108-20-3	86
2	Diisopropyl ether	102	C6H14O	000108-20-3	78
3	Diisopropyl ether	102	C6H14O	000108-20-3	78
4	Ether, 2-chloro-1-methylethyl is...	136	C6H13ClO	098277-76-0	56
5	2-Propanone, 1-methoxy-	88	C4H8O2	005878-19-3	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092820\
Data File : VU040342.D
Acq On : 28 Sep 2020 19:29
Operator : SY/MD
Sample : L4139-07DL 50X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG493DL

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

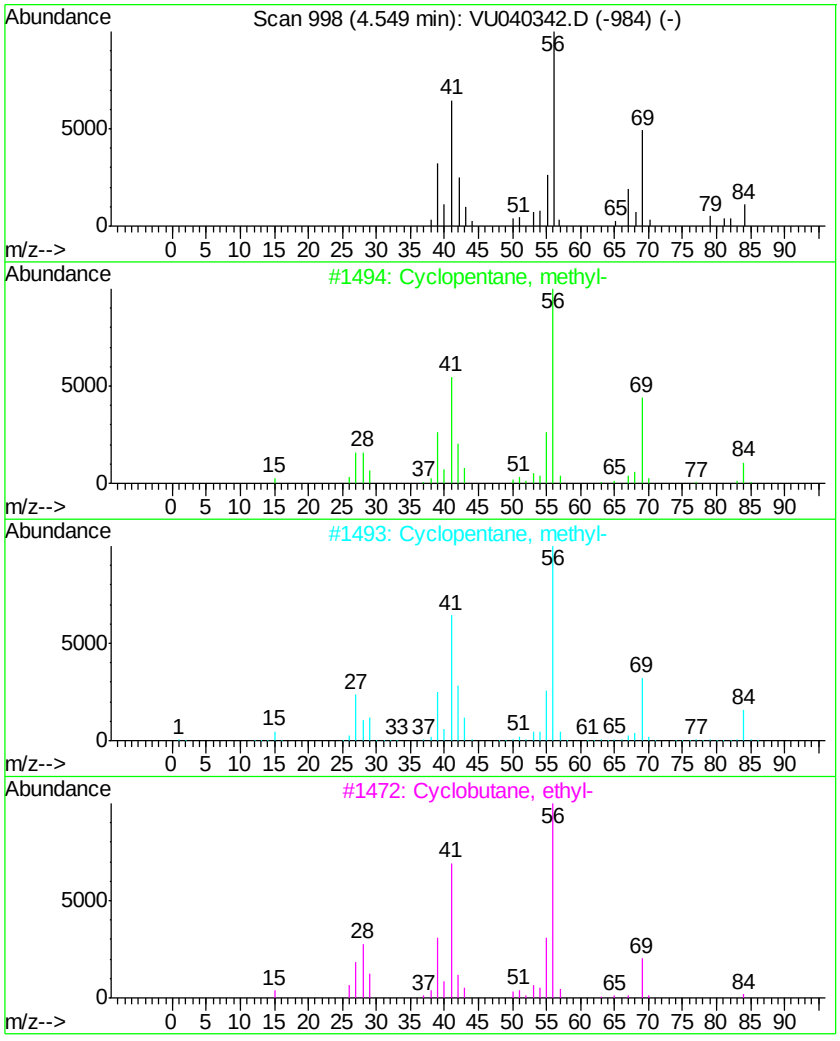
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

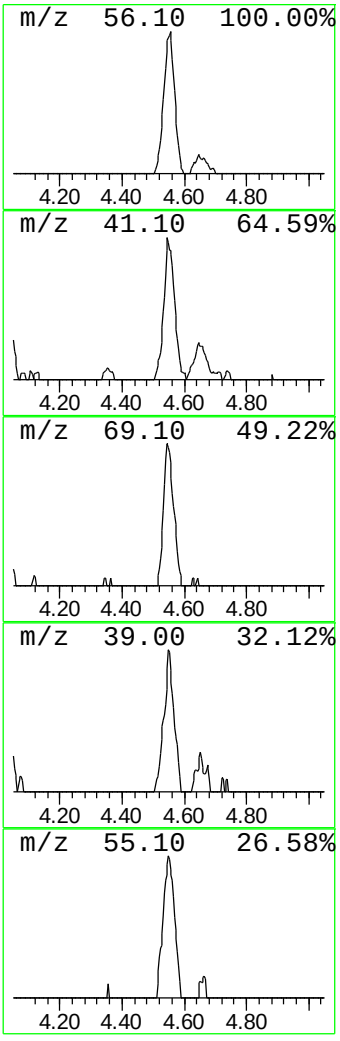
****

Peak Number 3 (DEL) Alkane: Cyclic4.55 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.55	0.60 ug/L	37633	1,4-Difluorobenzene	6.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	81
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	64
3	Cyclobutane, ethyl-	84	C6H12	004806-61-5	47
4	Cyclobutane	56	C4H8	000287-23-0	43
5	Cyclobutane	56	C4H8	000287-23-0	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092820\
Data File : VU040342.D
Acq On : 28 Sep 2020 19:29
Operator : SY/MD
Sample : L4139-07DL 50X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG493DL

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

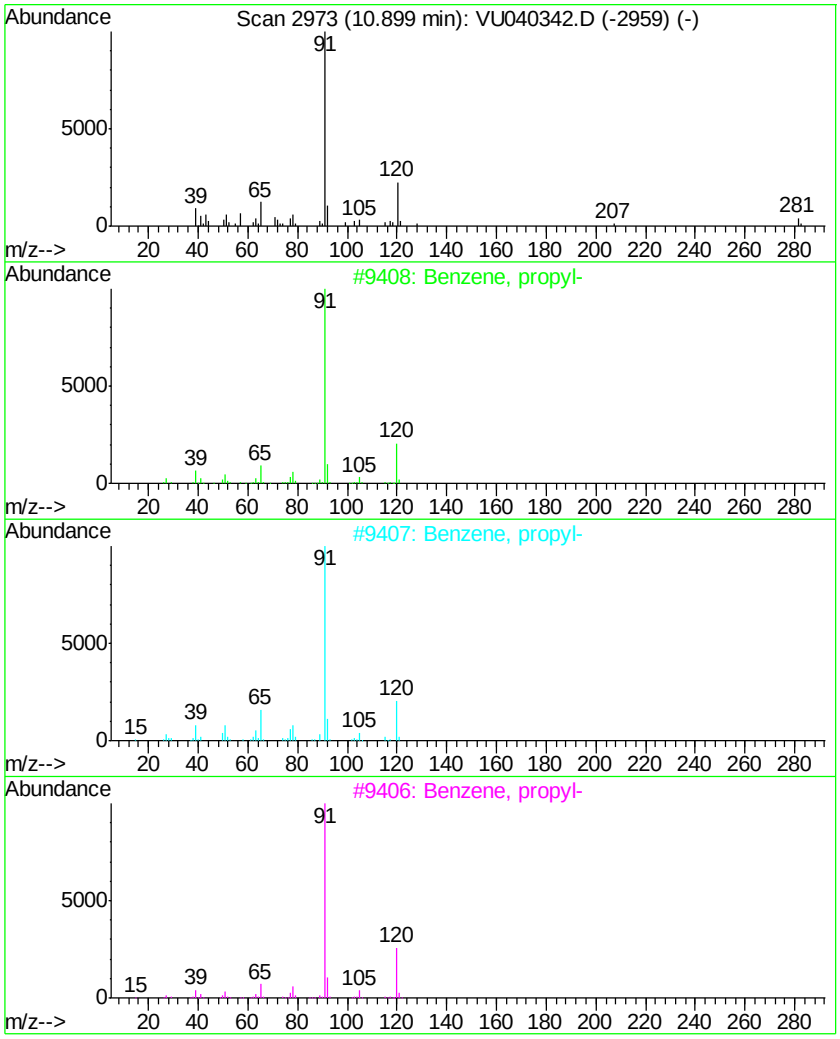
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

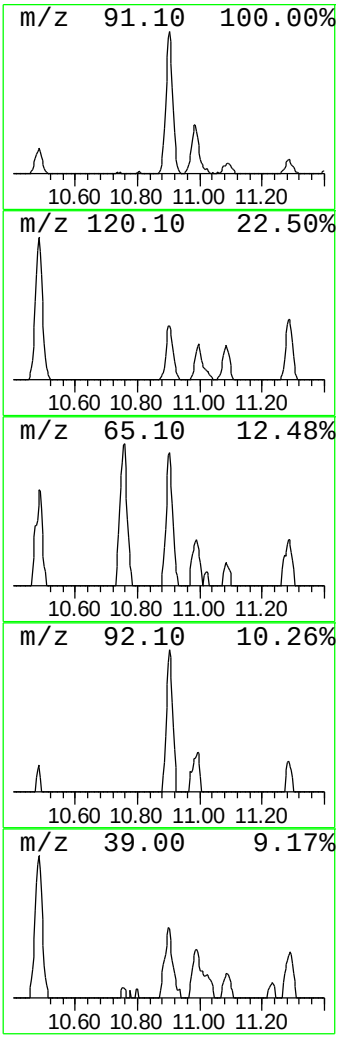
****

Peak Number 5 Benzene, propyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.90	0.55 ug/L	46653	1,4-Dichlorobenzene-d4	11.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	81
2	Benzene, propyl-	120	C9H12	000103-65-1	81
3	Benzene, propyl-	120	C9H12	000103-65-1	72
4	1,2-Ethanediamine, N,N'-bis(phen...	240	C16H20N2	000140-28-3	64
5	Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092820\
Data File : VU040342.D
Acq On : 28 Sep 2020 19:29
Operator : SY/MD
Sample : L4139-07DL 50X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG493DL

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

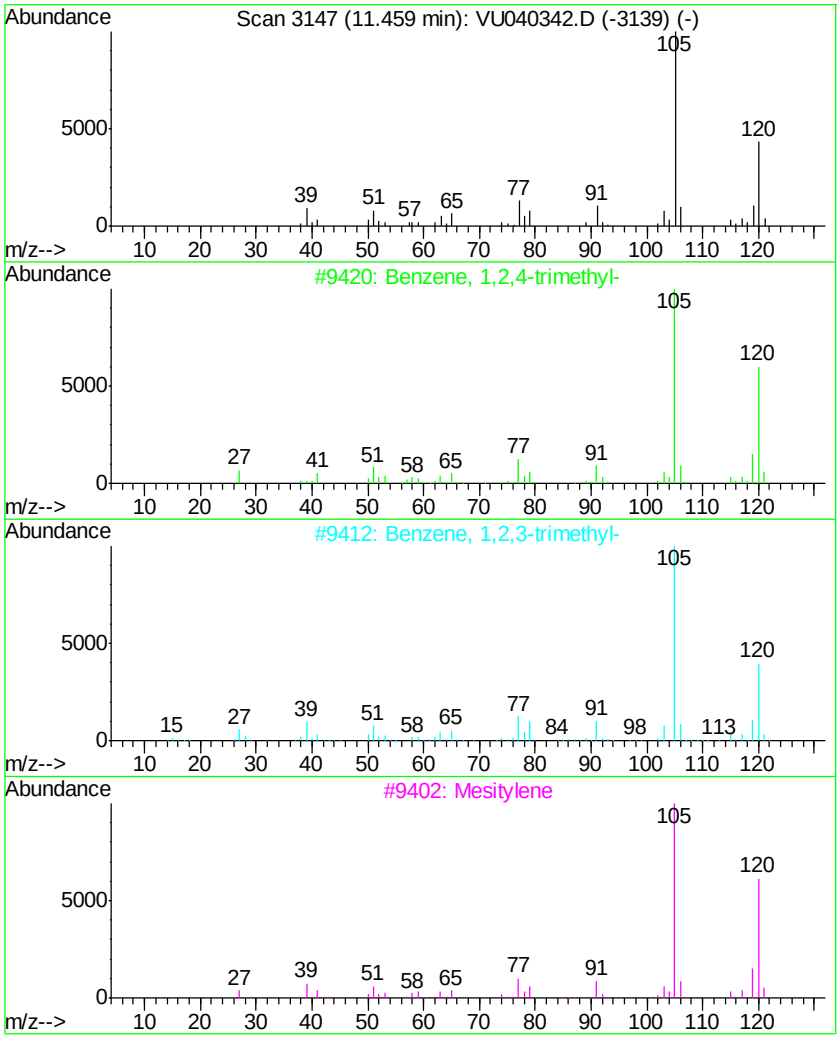
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

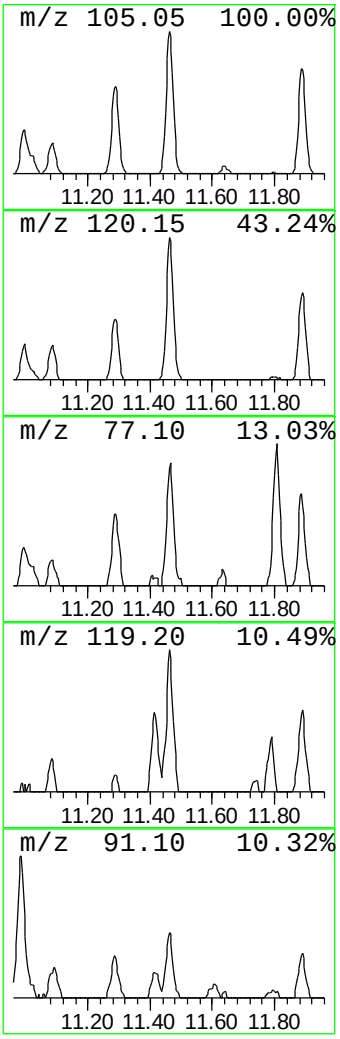
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.46	0.76 ug/L	64972	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	97
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
3	Mesitylene	120	C9H12	000108-67-8	95
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94





Library Search Compound Report

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Data File : VU040342.D
Acq On : 28 Sep 2020 19:29
Operator : SY/MD
Sample : L4139-07DL 50X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG493DL

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

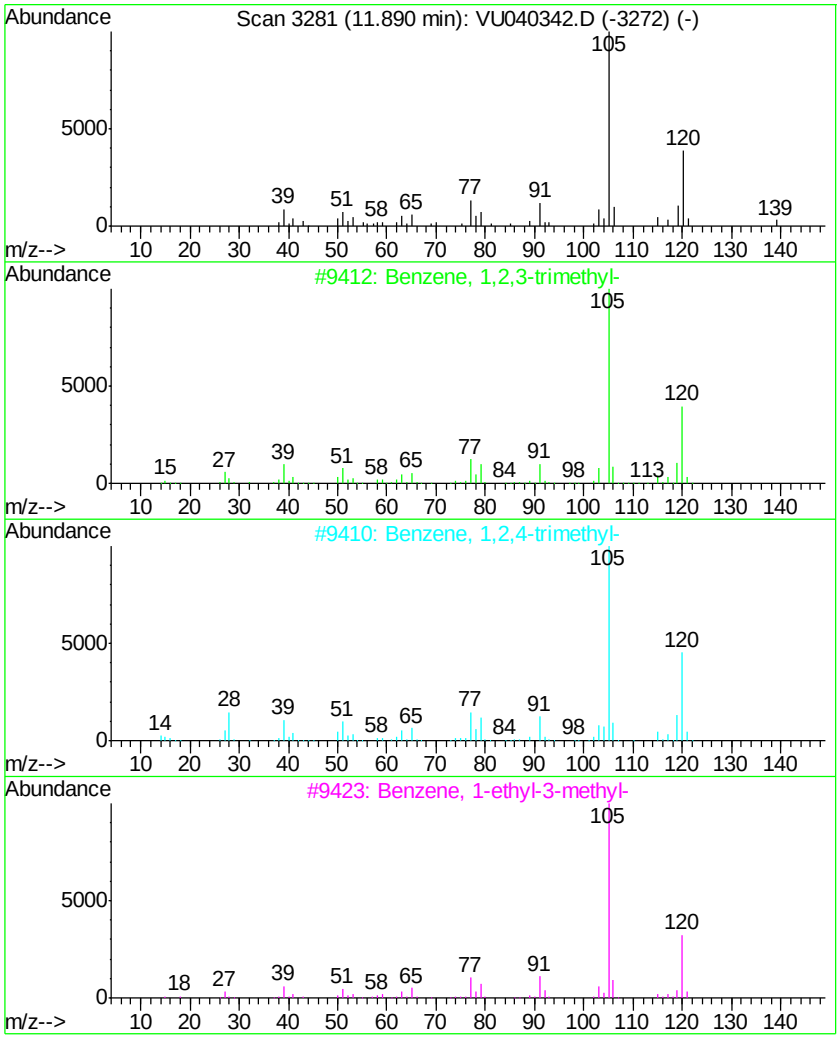
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

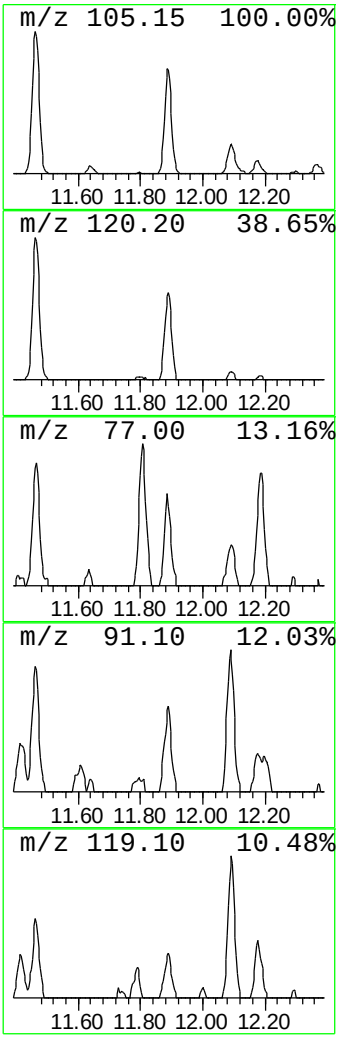
****

Peak Number 7 Benzene, 1,2,3-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	0.56 ug/L	47670	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	97
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	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\VU092820\
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Acq On : 28 Sep 2020 19:29
Operator : SY/MD
Sample : L4139-07DL 50X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG493DL

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

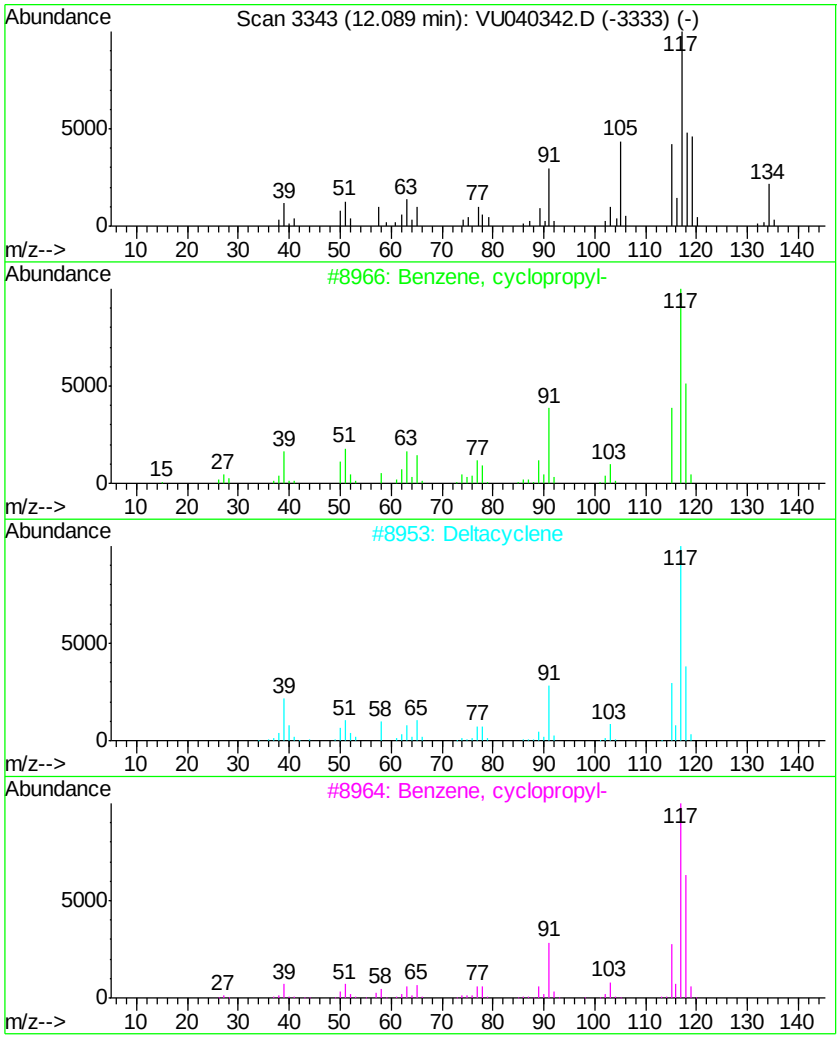
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

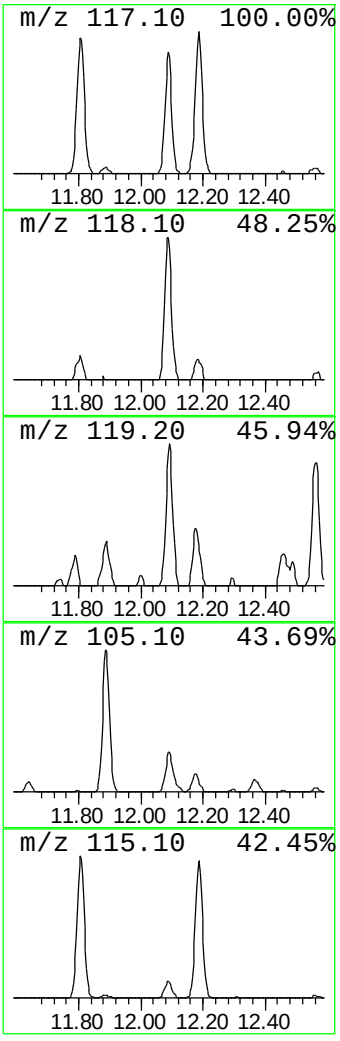
****

Peak Number 8 Benzene, cyclopropyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	0.62 ug/L	52586	1,4-Dichlorobenzene-d4	11.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, cyclopropyl-	118	C9H10	000873-49-4	55
2	Deltacyclene	118	C9H10	007785-10-6	55
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	55
4	Deltacyclene	118	C9H10	007785-10-6	55
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	49





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092820\
Data File : VU040342.D
Acq On : 28 Sep 2020 19:29
Operator : SY/MD
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ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG493DL

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	1.3	ug/L	81107	1	6.26	313285	5.0
Diisopropyl ether	4.02	2.6	ug/L	164947	1	6.26	313285	5.0
(DEL) Alkane: Cyc...	4.55	0.6	ug/L	37633	1	6.26	313285	5.0
Benzene, propyl-	10.90	0.6	ug/L	46653	3	11.81	425954	5.0
Benzene, 1,2,4-tr...	11.46	0.8	ug/L	64972	3	11.81	425954	5.0
Benzene, 1,2,3-tr...	11.89	0.6	ug/L	47670	3	11.81	425954	5.0
Benzene, cyclopro...	12.09	0.6	ug/L	52586	3	11.81	425954	5.0