LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU093020\
Data File : VU040398.D
Acq On : 30 Sep 2020 14:53
Operator : SY/MD
Sample : L4139-11
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 12 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\SOMUTR092920WMA.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	71	83	88	rBV	55078	81531	4.13%	0.748%
2	1.922	175	181	193	rVB	41545	57306	2.90%	0.526%
3	2.388	316	326	347	rVB	243933	380395	19.26%	3.492%
4	2.578	374	385	398	rBV	73001	121342	6.14%	1.114%
5	2.658	401	410	430	rVB	13573	27544	1.39%	0.253%
6	3.382	622	635	654	rVB2	19708	45401	2.30%	0.417%
7	4.015	811	832	857	rBV	391379	1012510	51.27%	9.295%
8	4.549	985	998	1014	rVB2	11927	26656	1.35%	0.245%
9	4.655	1014	1031	1070	rBV	86020	267599	13.55%	2.457%
10	5.083	1148	1164	1188	rBV2	94804	217684	11.02%	1.998%
11	5.742	1345	1369	1373	rBV3	149957	353791	17.92%	3.248%
12	5.790	1374	1384	1405	rVB	982419	1974807	100.00%	18.129%
13	6.263	1516	1531	1548	rBV	181975	344023	17.42%	3.158%
14	6.703	1655	1668	1682	rBV2	106295	203690	10.31%	1.870%
15	7.575	1925	1939	1952	rBV2	48919	84223	4.26%	0.773%
16	7.906	2023	2042	2055	rBV	155873	271311	13.74%	2.491%
17	7.977	2055	2064	2075	rVB2	14418	23585	1.19%	0.217%
18	8.186	2117	2129	2144	rBV3	31337	52868	2.68%	0.485%
19	8.639	2254	2270	2304	rBV	345659	624879	31.64%	5.737%
20	9.423	2500	2514	2515	rBV	290956	378877	19.19%	3.478%
21	9.449	2516	2522	2548	rVV	621531	1023038	51.80%	9.392%
22	9.571	2549	2560	2578	rVB	117561	194400	9.84%	1.785%
23	9.690	2584	2597	2614	rBV	636308	1002794	50.78%	9.206%
24	10.099	2713	2724	2745	rVB	353079	562264	28.47%	5.162%
25	10.481	2832	2843	2857	rVB	69218	108924	5.52%	1.000%
26	10.755	2918	2928	2937	rBV	96035	152978	7.75%	1.404%
27	10.893	2960	2971	2983	rBV5	34653	67415	3.41%	0.619%
28	10.989	2989	3001	3021	rVB4	26766	49686	2.52%	0.456%
29	11.086	3021	3031	3043	rBV3	13446	21213	1.07%	0.195%
30	11.288	3084	3094	3103	rBV2	25530	39177	1.98%	0.360%
31	11.465	3139	3149	3162	rVB2	52000	83468	4.23%	0.766%
32	11.806	3242	3255	3271	rBV	286648	496634	25.15%	4.559%
33	11.886	3271	3280	3295	rVB2	41800	70013	3.55%	0.643%
34	12.089	3329	3343	3361	rVB2	54084	89021	4.51%	0.817%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU093020\
Data File : VU040398.D
Acq On : 30 Sep 2020 14:53
Operator : SY/MD
Sample : L4139-11
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 12 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\SOMUTR092920WMA.M
Title : TRACE VOA SOM01.0

35	12.185	3361	3373	3390	rVB	222791	381955	19.34%	3.506%

Sum of corrected areas: 10893002

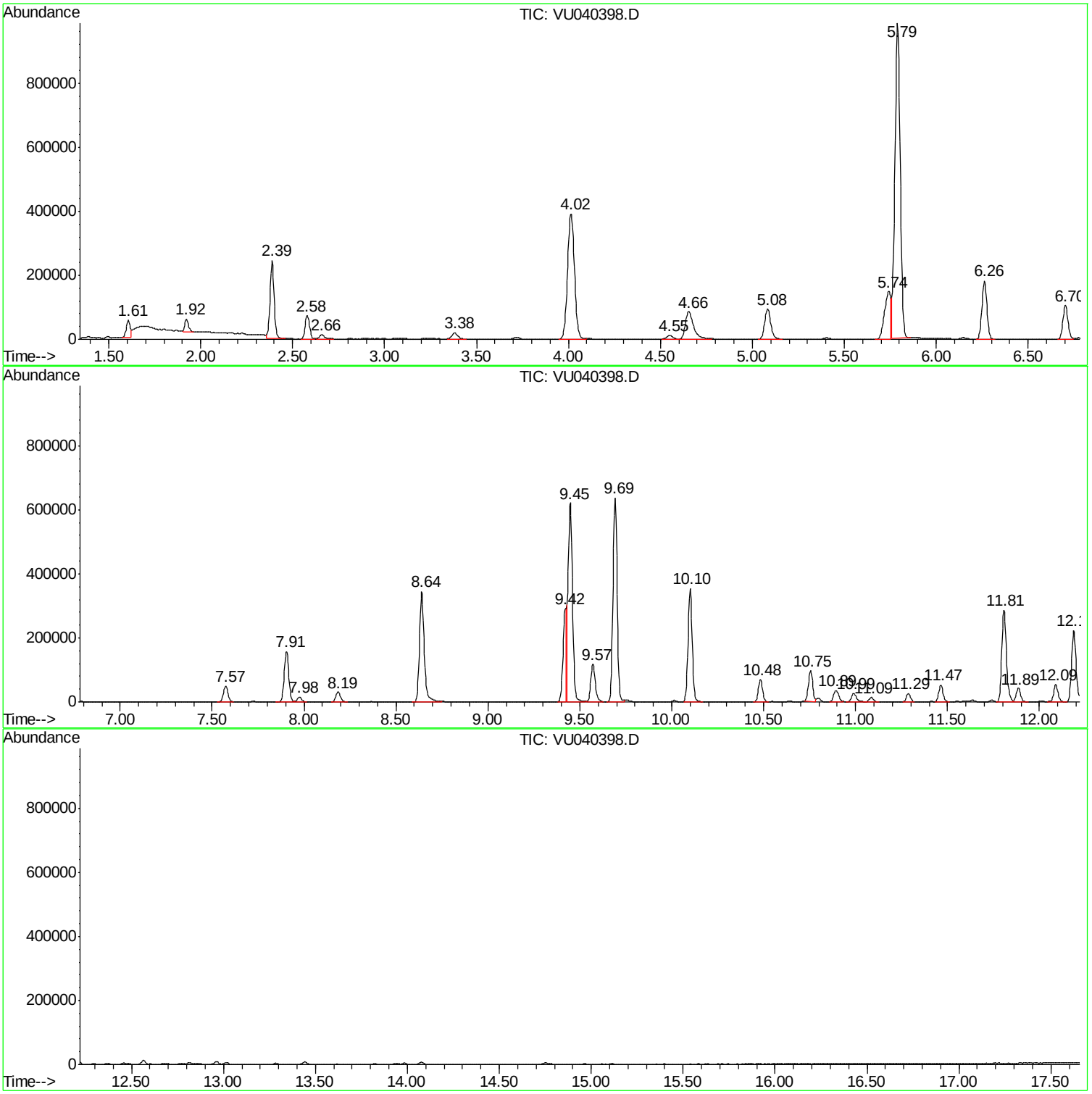
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU093020\
Data File : VU040398.D
Acq On : 30 Sep 2020 14:53
Operator : SY/MD
Sample : L4139-11
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG4A3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.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\VU093020\
Data File : VU040398.D
Acq On : 30 Sep 2020 14:53
Operator : SY/MD
Sample : L4139-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG4A3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
Quant Title : TRACE VOA SOM01.0

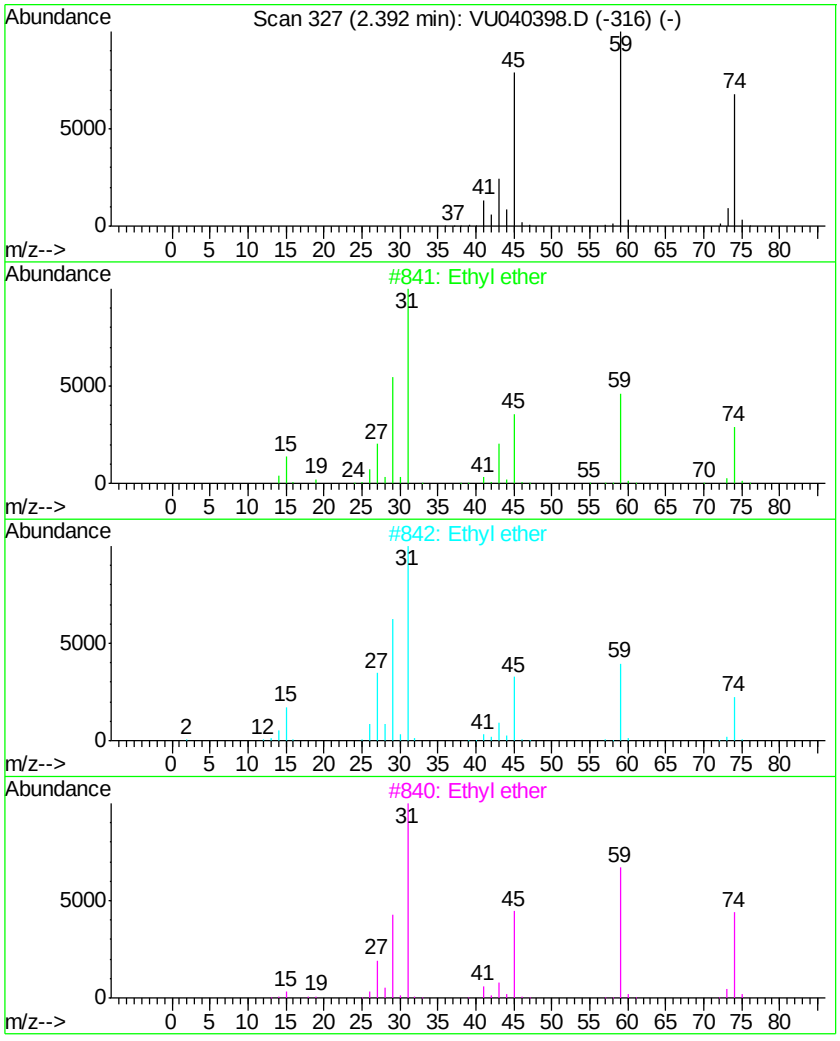
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

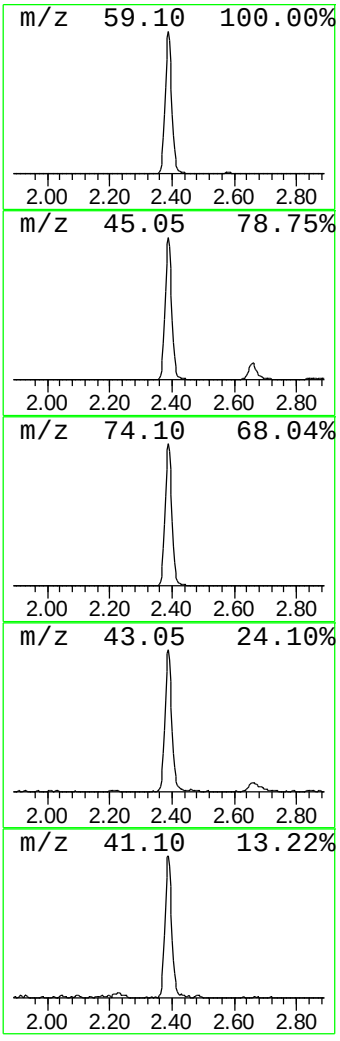
****

Peak Number 1 Ethyl ether Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.39	5.53 ug/L	380395	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	Ethyl ether	74	C4H10O	000060-29-7	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU093020\
Data File : VU040398.D
Acq On : 30 Sep 2020 14:53
Operator : SY/MD
Sample : L4139-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG4A3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
Quant Title : TRACE VOA SOM01.0

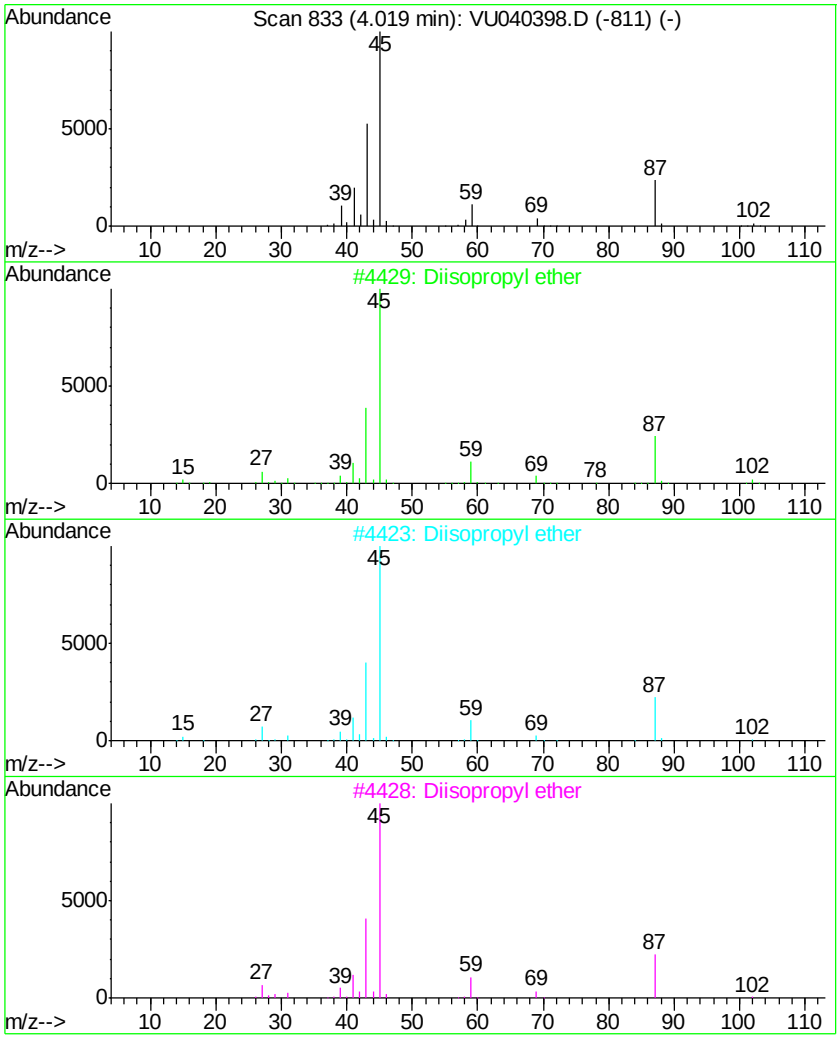
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

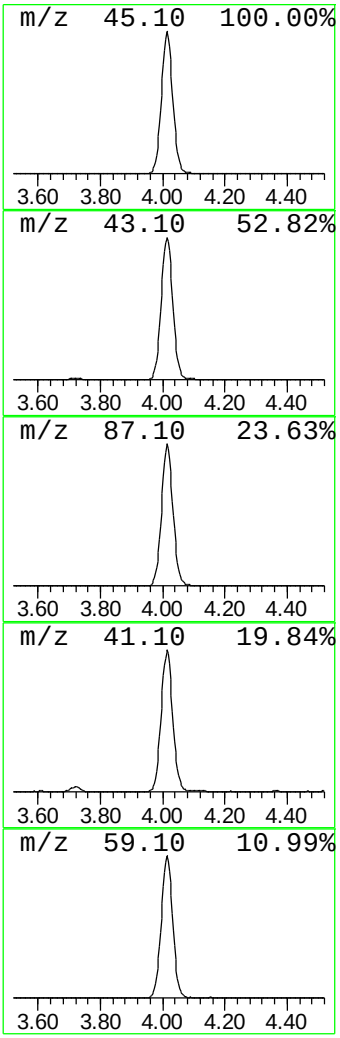
****

Peak Number 2 Diisopropyl ether Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.02	14.72 ug/L	1012510	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	83
3	Diisopropyl ether	102	C6H14O	000108-20-3	83
4	Ether, 2-chloro-1-methylethyl is...	136	C6H13ClO	098277-76-0	78
5	1-Propanol, 2-(1-methylethoxy)-	118	C6H14O2	003944-37-4	78





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU093020\
Data File : VU040398.D
Acq On : 30 Sep 2020 14:53
Operator : SY/MD
Sample : L4139-11
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG4A3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
Quant Title : TRACE VOA SOM01.0

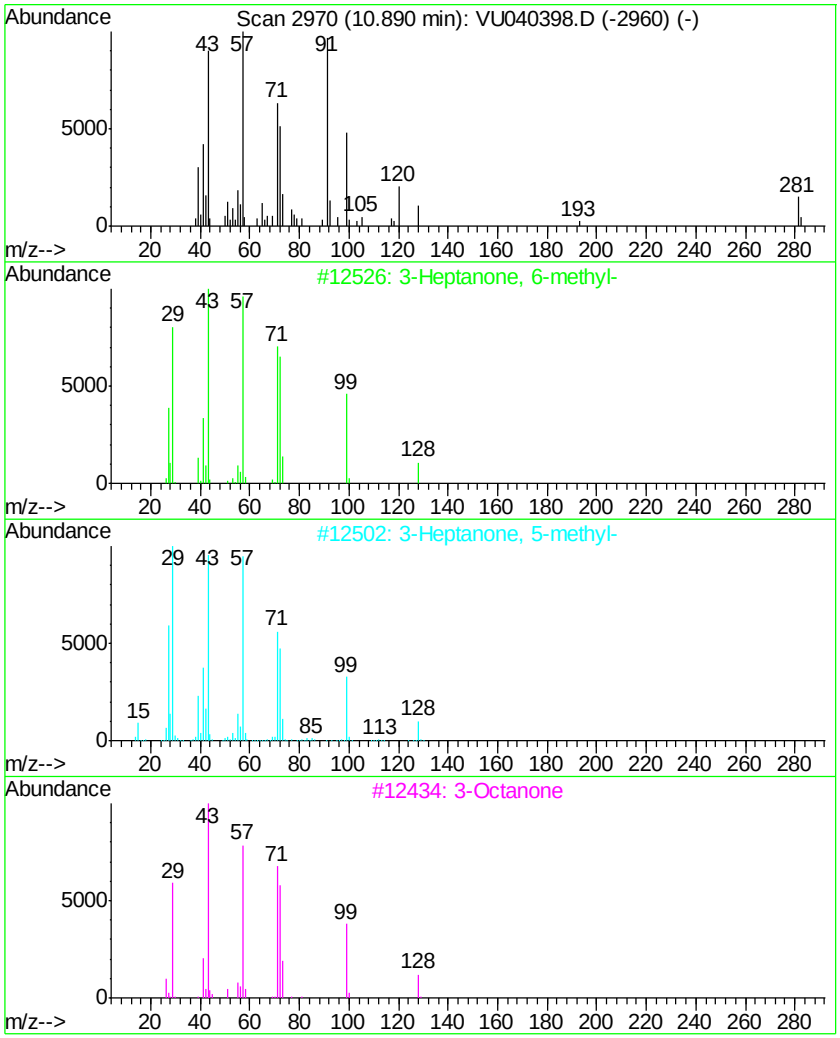
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

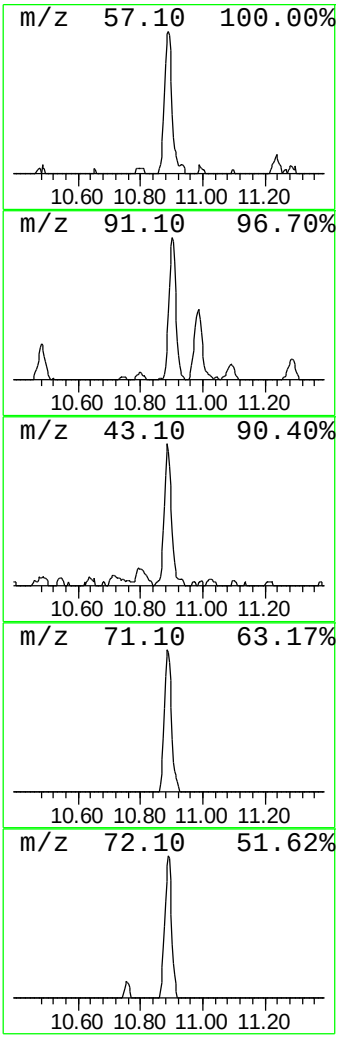
****

Peak Number 4 3-Heptanone, 6-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.89	0.68 ug/L	67415	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-Octanone	128	C8H16O	000106-68-3	53
4	3-Octanone	128	C8H16O	000106-68-3	49
5	3-Heptanone, 5-methyl-	128	C8H16O	000541-85-5	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU093020\
Data File : VU040398.D
Acq On : 30 Sep 2020 14:53
Operator : SY/MD
Sample : L4139-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG4A3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
Quant Title : TRACE VOA SOM01.0

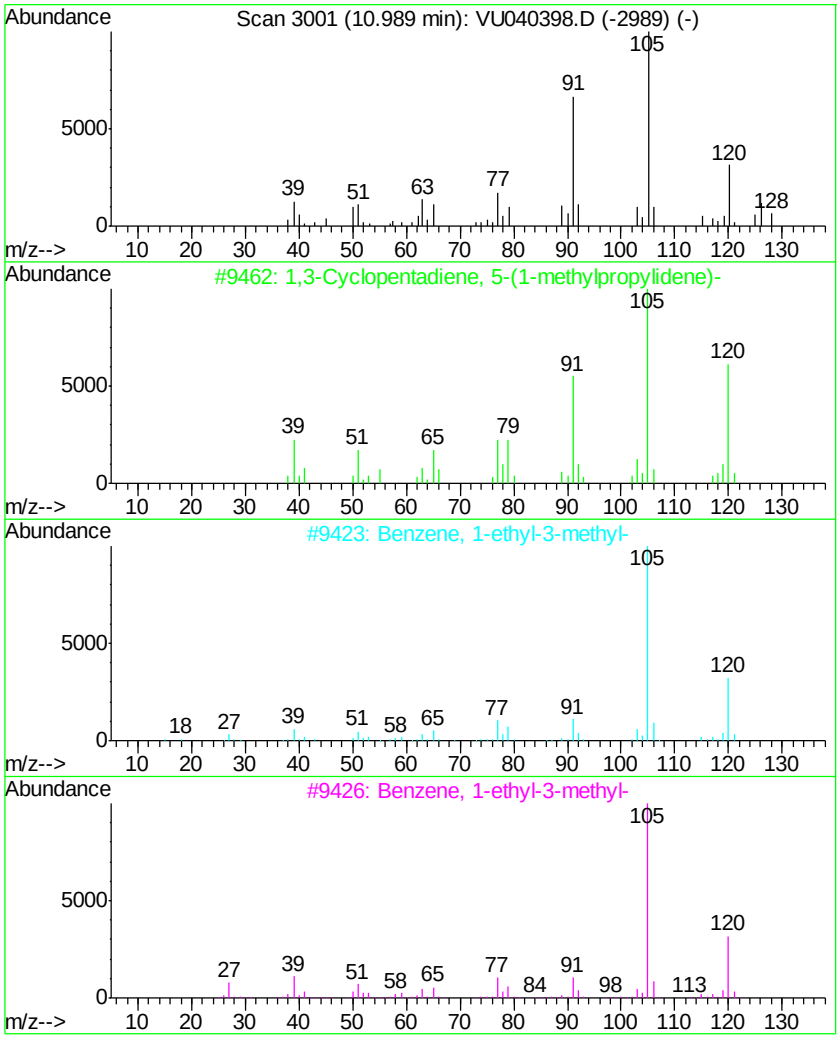
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

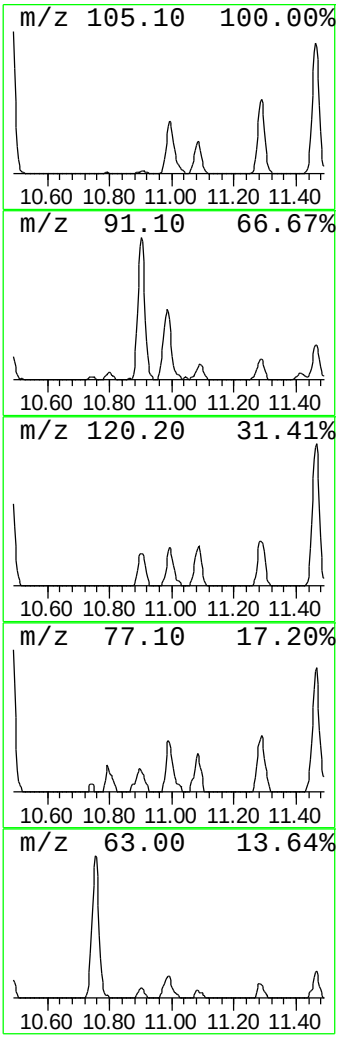
****

Peak Number 5 1,3-Cyclopentadiene, 5-(1-m... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.99	0.50 ug/L	49686	1,4-Dichlorobenzene-d4	11.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentadiene, 5-(1-methyl...	120	C9H12	003141-02-4	60
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	58
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	58
4	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	55
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	52





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU093020\
Data File : VU040398.D
Acq On : 30 Sep 2020 14:53
Operator : SY/MD
Sample : L4139-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG4A3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
Quant Title : TRACE VOA SOM01.0

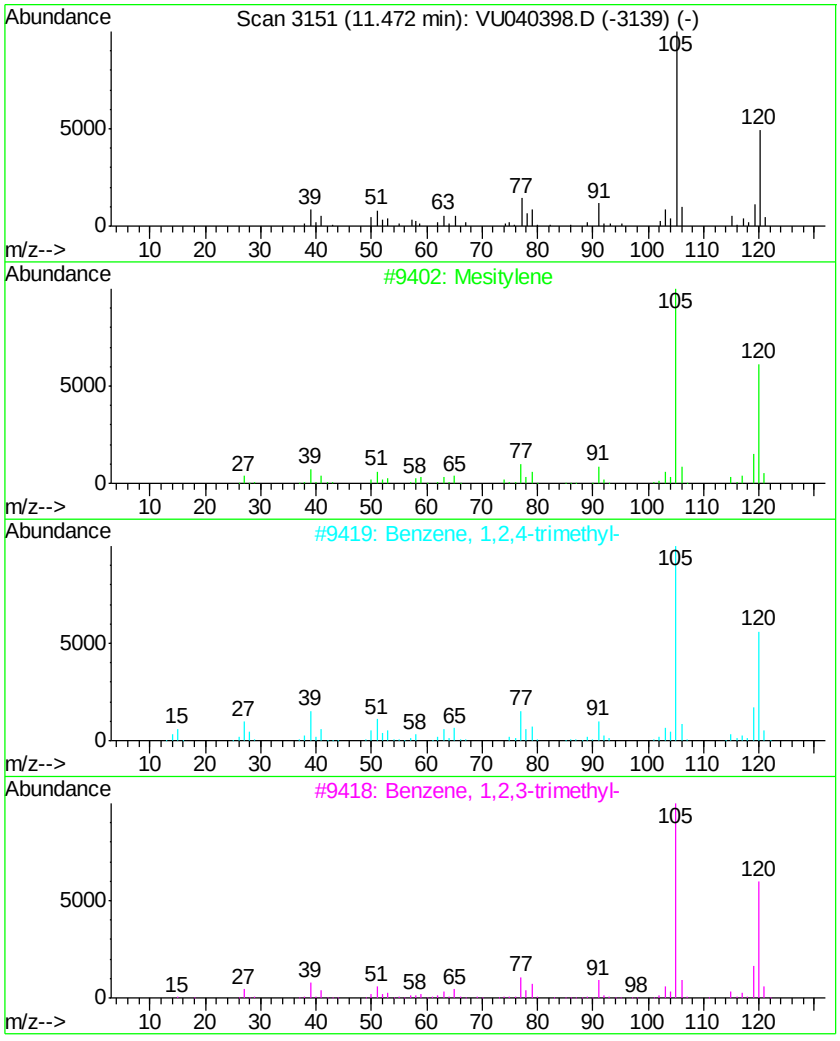
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

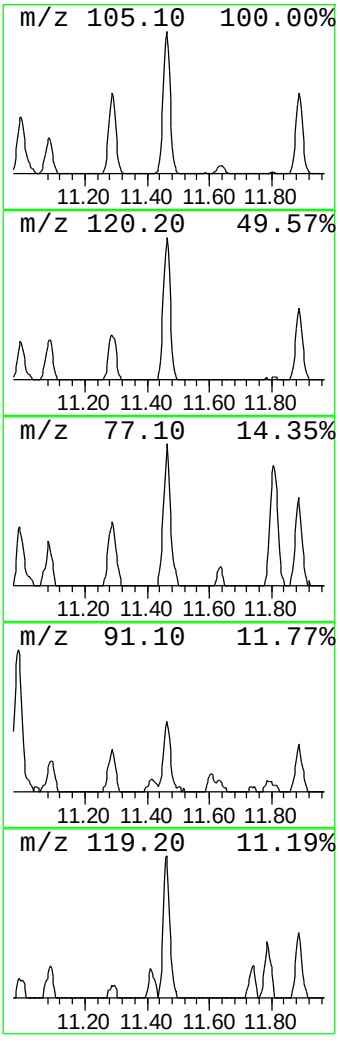
****

Peak Number 6 Mesitylene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.47	0.84 ug/L	83468	1,4-Dichlorobenzene-d4	11.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Mesitylene	120	C9H12	000108-67-8	97
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	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





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU093020\
Data File : VU040398.D
Acq On : 30 Sep 2020 14:53
Operator : SY/MD
Sample : L4139-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG4A3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
Quant Title : TRACE VOA SOM01.0

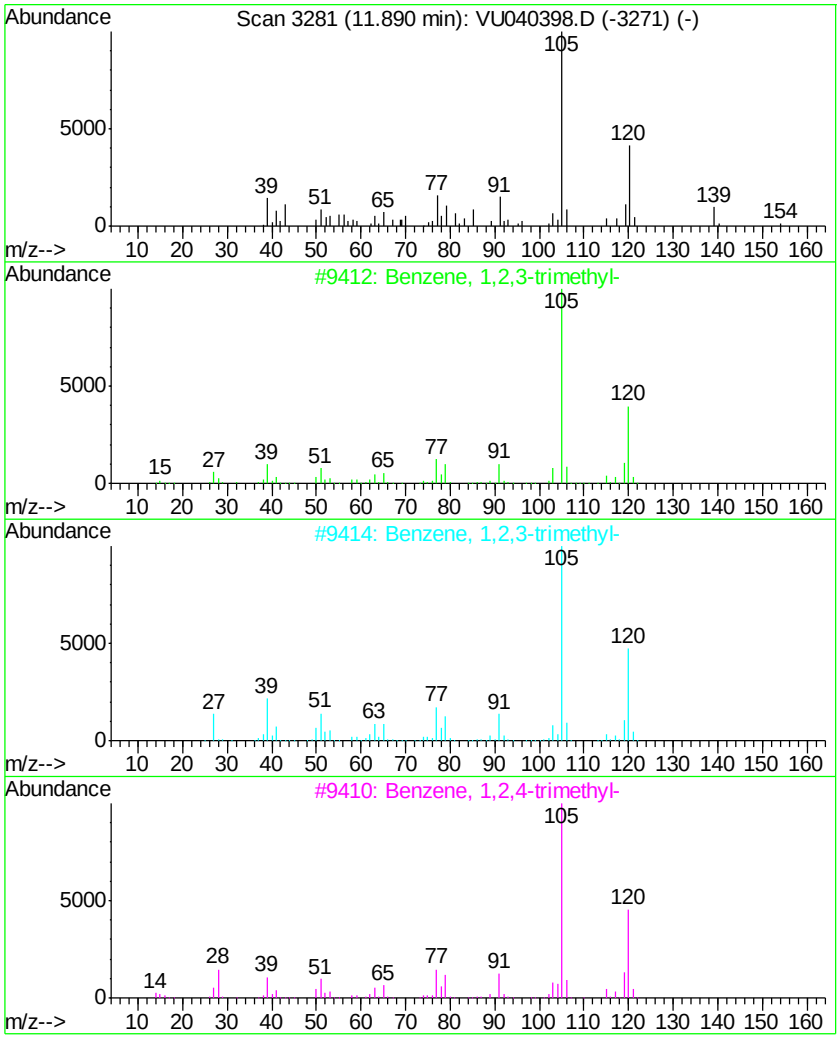
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

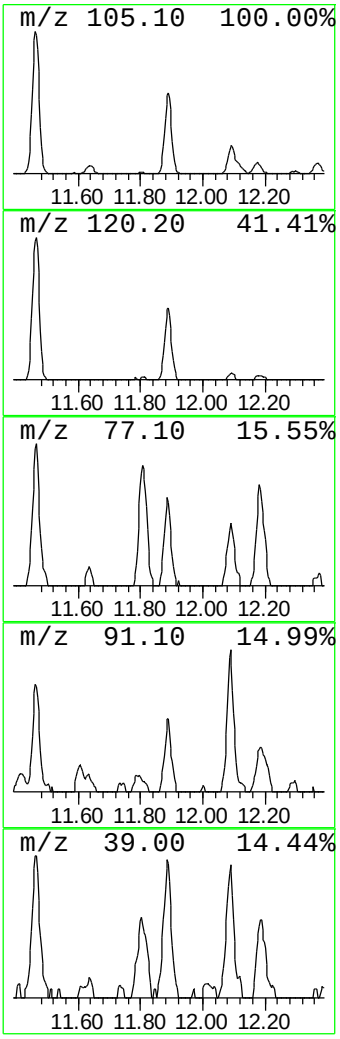
****

Peak Number 7 Benzene, 1,2,3-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	0.70 ug/L	70013	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	94
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	81
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	81





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU093020\
Data File : VU040398.D
Acq On : 30 Sep 2020 14:53
Operator : SY/MD
Sample : L4139-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG4A3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
Quant Title : TRACE VOA SOM01.0

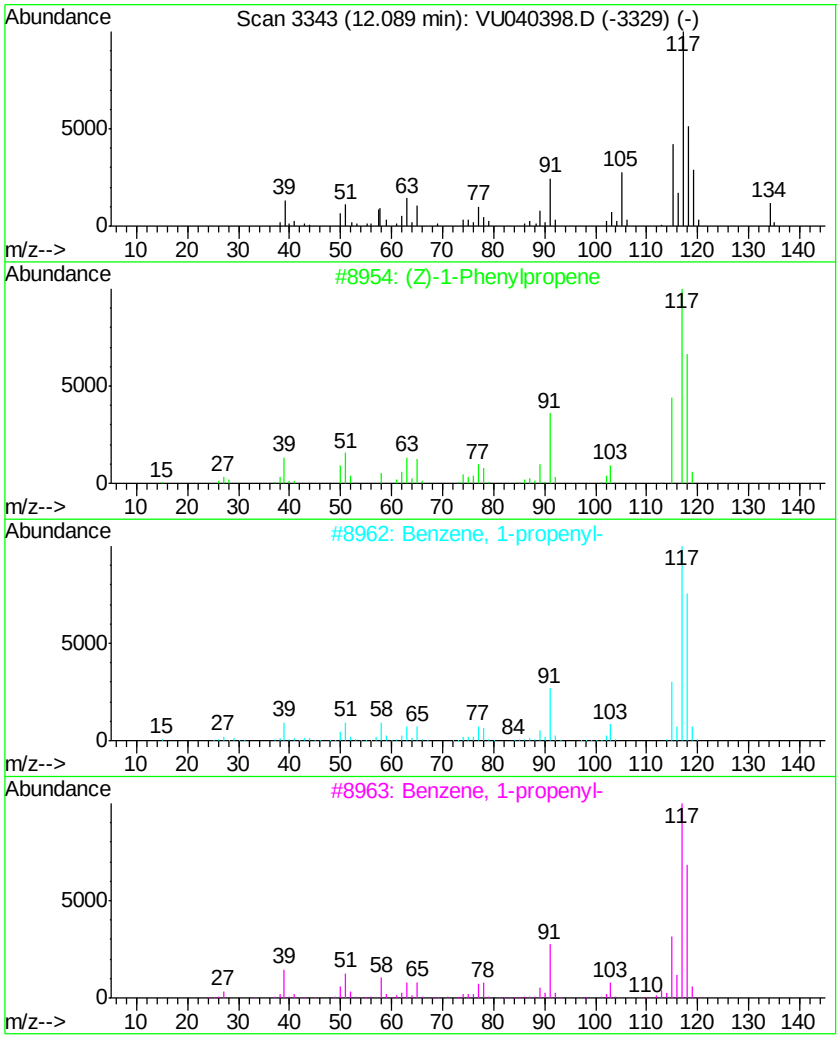
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

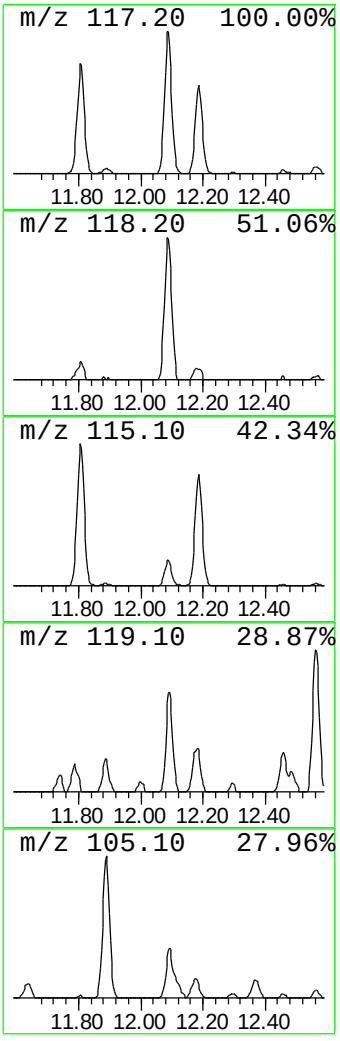
****

Peak Number 8 (Z)-1-Phenylpropene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	0.90 ug/L	89021	1,4-Dichlorobenzene-d4	11.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	80
2	Benzene, 1-propenyl-	118	C9H10	000637-50-3	60
3	Benzene, 1-propenyl-	118	C9H10	000637-50-3	60
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	055337-80-9	60
5	Deltacyclene	118	C9H10	007785-10-6	60





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU093020\
Data File : VU040398.D
Acq On : 30 Sep 2020 14:53
Operator : SY/MD
Sample : L4139-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BG4A3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.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	5.5	ug/L	380395	1	6.26	344023	5.0
Diisopropyl ether	4.02	14.7	ug/L	1012510	1	6.26	344023	5.0
3-Heptanone, 6-me...	10.89	0.7	ug/L	67415	3	11.81	496634	5.0
1,3-Cyclopentadie...	10.99	0.5	ug/L	49686	3	11.81	496634	5.0
Mesitylene	11.47	0.8	ug/L	83468	3	11.81	496634	5.0
Benzene, 1,2,3-tr...	11.89	0.7	ug/L	70013	3	11.81	496634	5.0
(Z)-1-Phenylpropene	12.09	0.9	ug/L	89021	3	11.81	496634	5.0