LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053020\
Data File : VU038393.D
Acq On : 29 May 2020 21:56
Operator : JC/MD
Sample : L2766-07DL 20X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4Z0DL

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	1.613	76	85	95	rBV	144815	172994	9.41%	0.956%
2	1.932	176	184	187	rBV	121813	156283	8.50%	0.864%
3	2.401	320	330	347	rVB	61930	97782	5.32%	0.541%
4	2.591	376	389	403	rBV	232281	379189	20.62%	2.097%
5	2.665	403	412	427	rVB2	15280	33158	1.80%	0.183%
6	3.221	570	585	597	rBV	14599	32465	1.77%	0.179%
7	3.912	785	800	815	rVB2	16482	39245	2.13%	0.217%
8	4.034	820	838	858	rVV2	91614	240439	13.08%	1.329%
9	4.571	989	1005	1019	rBV2	12847	29601	1.61%	0.164%
10	4.674	1021	1037	1072	rBV2	235228	884679	48.11%	4.891%
11	5.102	1153	1170	1193	rBV	221031	480930	26.15%	2.659%
12	5.761	1350	1375	1382	rBV2	434974	1126192	61.24%	6.227%
13	5.809	1383	1390	1407	rVB	405297	784400	42.66%	4.337%
14	6.279	1517	1536	1560	rBV	365320	701627	38.16%	3.879%
15	6.571	1615	1627	1648	rVB	10733	32370	1.76%	0.179%
16	6.722	1659	1674	1688	rBV	276063	535683	29.13%	2.962%
17	6.787	1688	1694	1705	rVB4	11690	22088	1.20%	0.122%
18	7.591	1930	1944	1965	rBV2	138794	246254	13.39%	1.362%
19	7.922	2029	2047	2058	rBV	522755	926877	50.40%	5.125%
20	7.993	2058	2069	2105	rVB	1013616	1838882	100.00%	10.167%
21	8.202	2121	2134	2148	rBV	89414	146501	7.97%	0.810%
22	8.575	2239	2250	2262	rVB	14184	23654	1.29%	0.131%
23	8.655	2262	2275	2317	rBV	786502	1432556	77.90%	7.921%
24	9.436	2504	2518	2522	rBV	530878	870874	47.36%	4.815%
25	9.465	2523	2527	2553	rVB	685014	1028786	55.95%	5.688%
26	9.587	2553	2565	2585	rVB2	201621	365803	19.89%	2.023%
27	9.710	2589	2603	2621	rBV	935361	1551527	84.37%	8.578%
28	10.118	2716	2730	2745	rVV	200119	338368	18.40%	1.871%
29	10.500	2835	2849	2861	rBV	73287	120556	6.56%	0.667%
30	10.771	2922	2933	2943	rBV	217104	353673	19.23%	1.955%
31	10.812	2943	2946	2958	rVB4	25363	32527	1.77%	0.180%
32	10.918	2962	2979	2991	rBV2	68817	133145	7.24%	0.736%
33	11.012	2997	3008	3022	rVV2	15338	30442	1.66%	0.168%
34	11.102	3022	3036	3049	rVB2	18848	29314	1.59%	0.162%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053020\
Data File : VU038393.D
Acq On : 29 May 2020 21:56
Operator : JC/MD
Sample : L2766-07DL 20X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4Z0DL

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

35	11.304	3087	3099	3113	rVB	62658	104383	5.68%	0.577%
36	11.478	3143	3153	3165	rVB	86682	133752	7.27%	0.740%
37	11.652	3201	3207	3219	rVB3	14008	22838	1.24%	0.126%
38	11.825	3247	3261	3276	rBV	587540	977476	53.16%	5.404%
39	11.902	3276	3285	3295	rVB4	79050	128735	7.00%	0.712%
40	12.108	3337	3349	3365	rVV2	109766	185994	10.11%	1.028%
41	12.205	3365	3379	3397	rVB	588944	998402	54.29%	5.520%
42	12.478	3455	3464	3471	rBV2	16746	27711	1.51%	0.153%
43	12.584	3483	3497	3506	rBV2	64660	101831	5.54%	0.563%
44	12.992	3608	3624	3632	rBV	44760	69956	3.80%	0.387%
45	13.044	3632	3640	3654	rVB2	34968	55044	2.99%	0.304%
46	13.314	3716	3724	3733	rVB2	15560	23719	1.29%	0.131%
47	13.475	3765	3774	3791	rVB4	20529	37769	2.05%	0.209%

Sum of corrected areas: 18086474

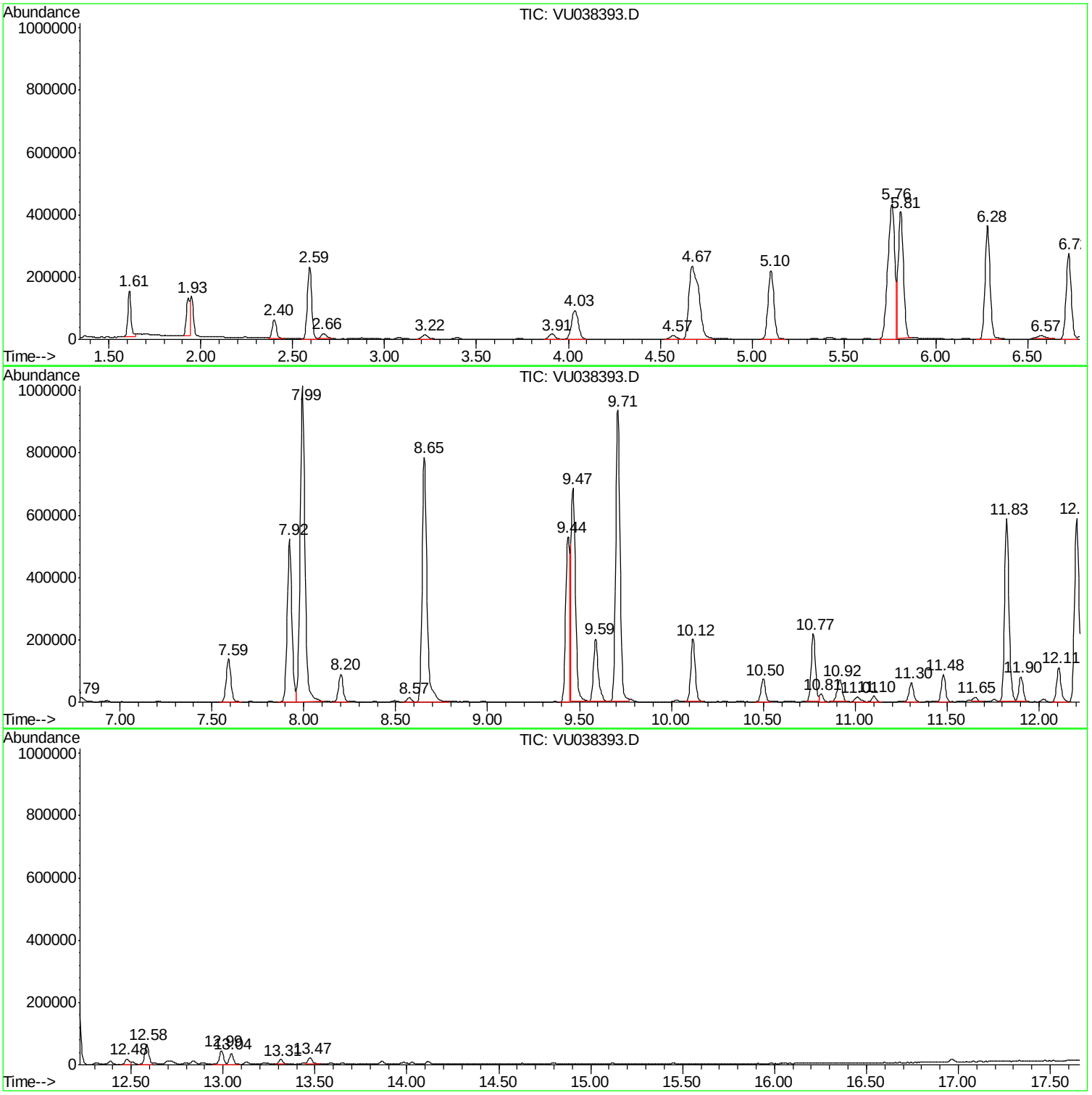
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053020\
Data File : VU038393.D
Acq On : 29 May 2020 21:56
Operator : JC/MD
Sample : L2766-07DL 20X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4Z0DL

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053020\
Data File : VU038393.D
Acq On : 29 May 2020 21:56
Operator : JC/MD
Sample : L2766-07DL 20X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4Z0DL

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

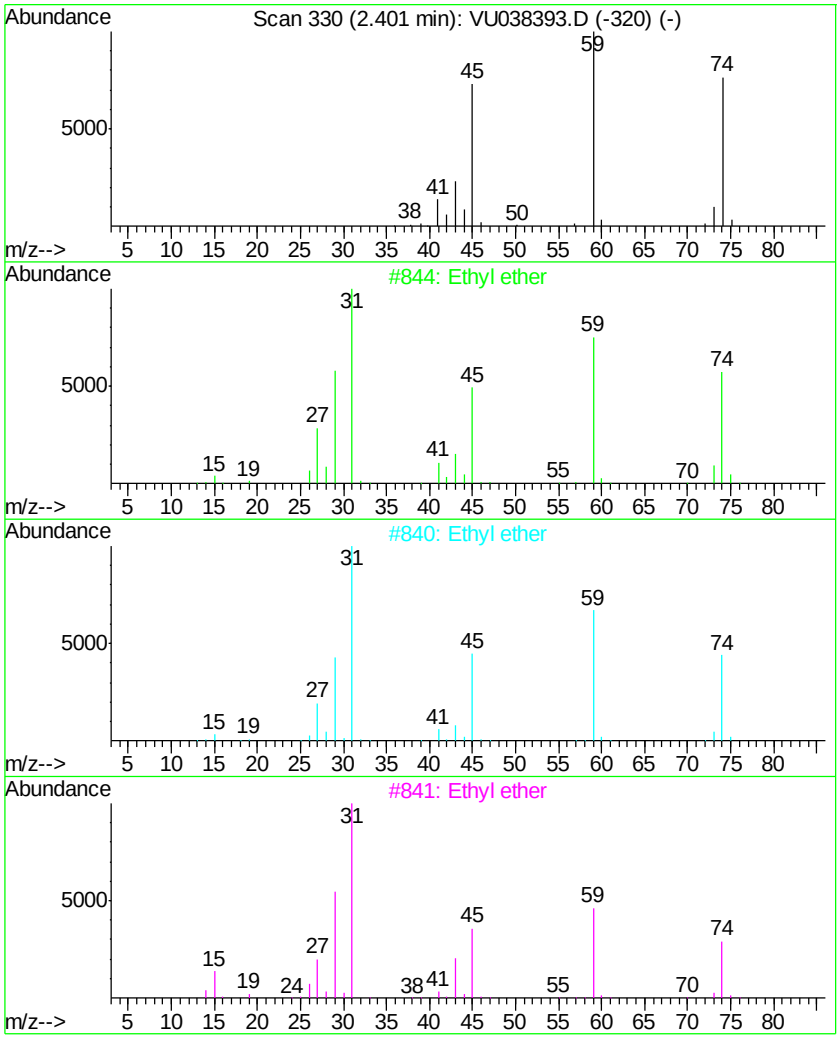
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

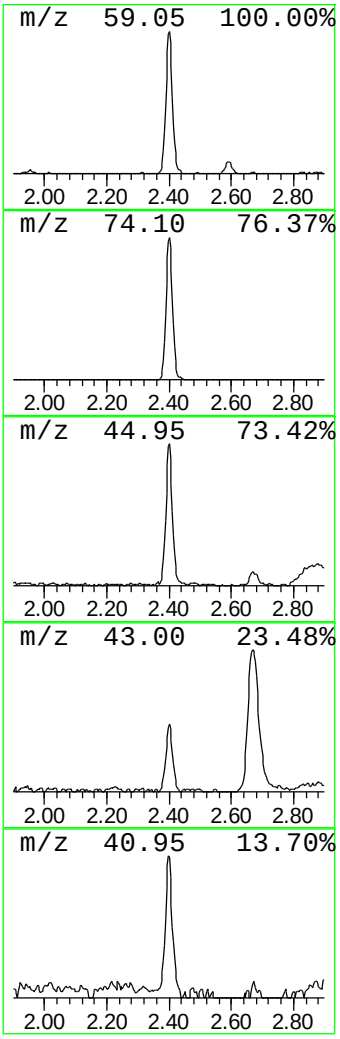
****

Peak Number 1 Ethyl ether Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.40	0.70 ug/L	97782	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	59
5	Ethane, 1,2-diethoxy-	118	C6H14O2	000629-14-1	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053020\
Data File : VU038393.D
Acq On : 29 May 2020 21:56
Operator : JC/MD
Sample : L2766-07DL 20X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4Z0DL

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

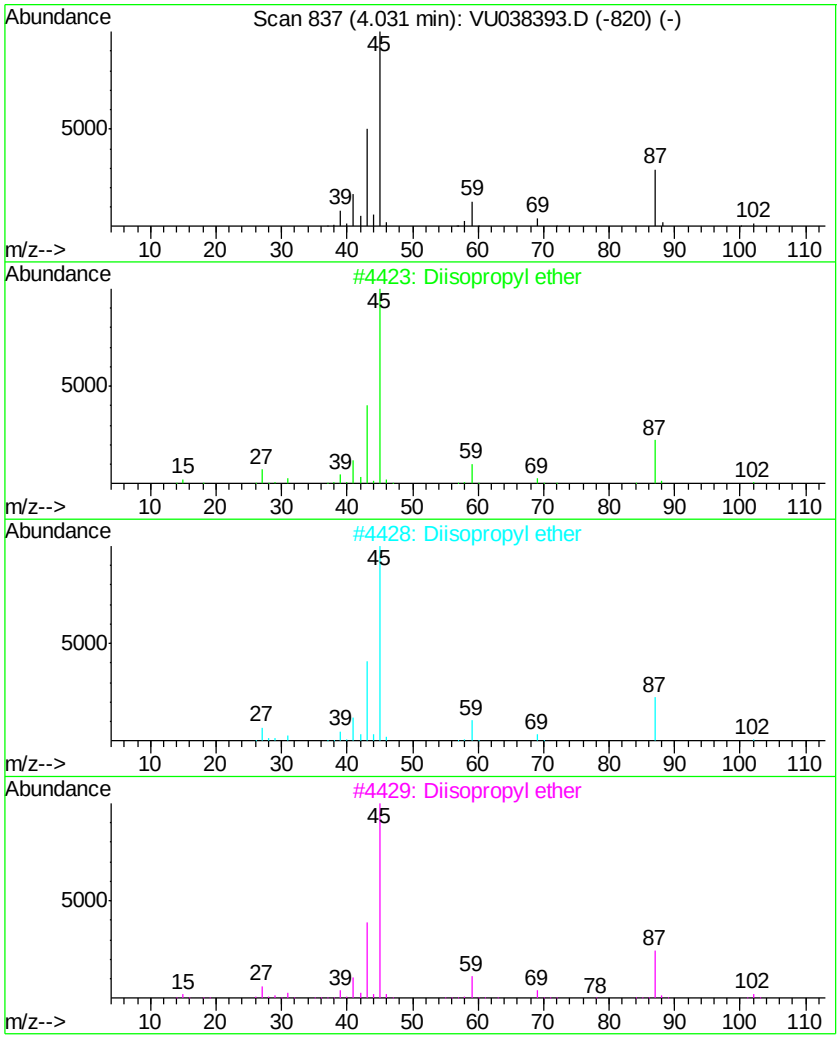
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

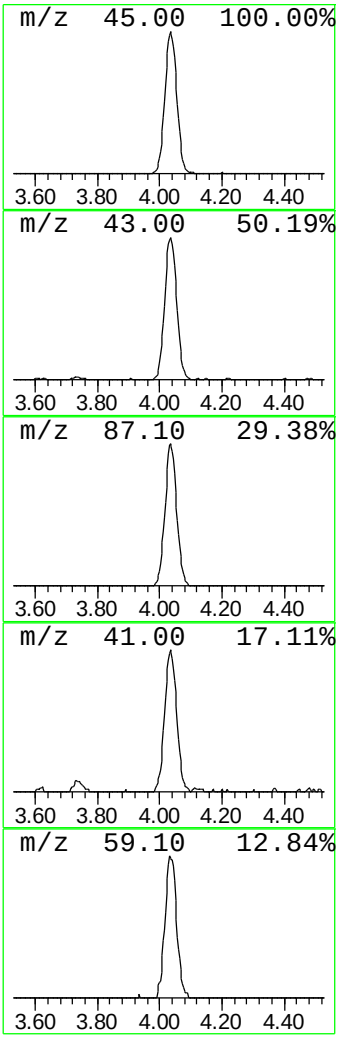
****

Peak Number 2 Diisopropyl ether Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.03	1.71 ug/L	240439	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diisopropyl ether	102	C6H14O	000108-20-3	83
2	Diisopropyl ether	102	C6H14O	000108-20-3	83
3	Diisopropyl ether	102	C6H14O	000108-20-3	78
4	1-Propanol, 2-(1-methylethoxy)-	118	C6H14O2	003944-37-4	78
5	1-Propanol, 2-(1-methylethoxy)-	118	C6H14O2	003944-37-4	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053020\
Data File : VU038393.D
Acq On : 29 May 2020 21:56
Operator : JC/MD
Sample : L2766-07DL 20X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4Z0DL

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

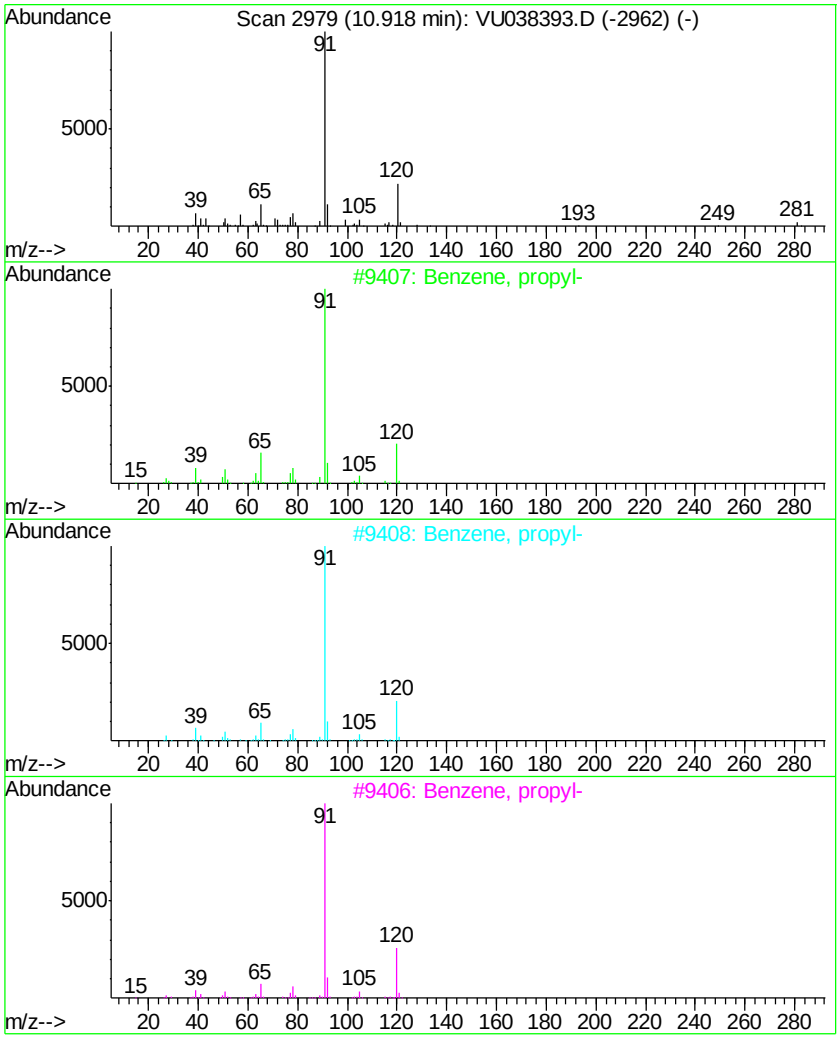
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

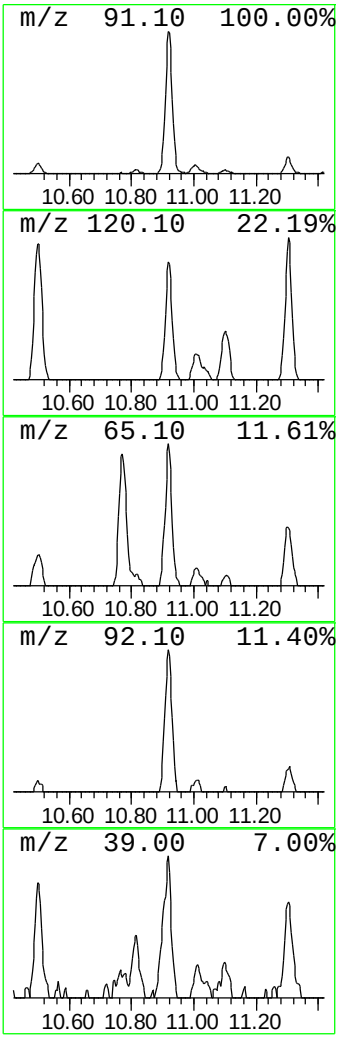
****

Peak Number 4 Benzene, propyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.92	0.68 ug/L	133145	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	1,2-Ethanediamine, N-(phenylmeth...	150	C9H14N2	004152-09-4	59
5	Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053020\
Data File : VU038393.D
Acq On : 29 May 2020 21:56
Operator : JC/MD
Sample : L2766-07DL 20X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4Z0DL

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

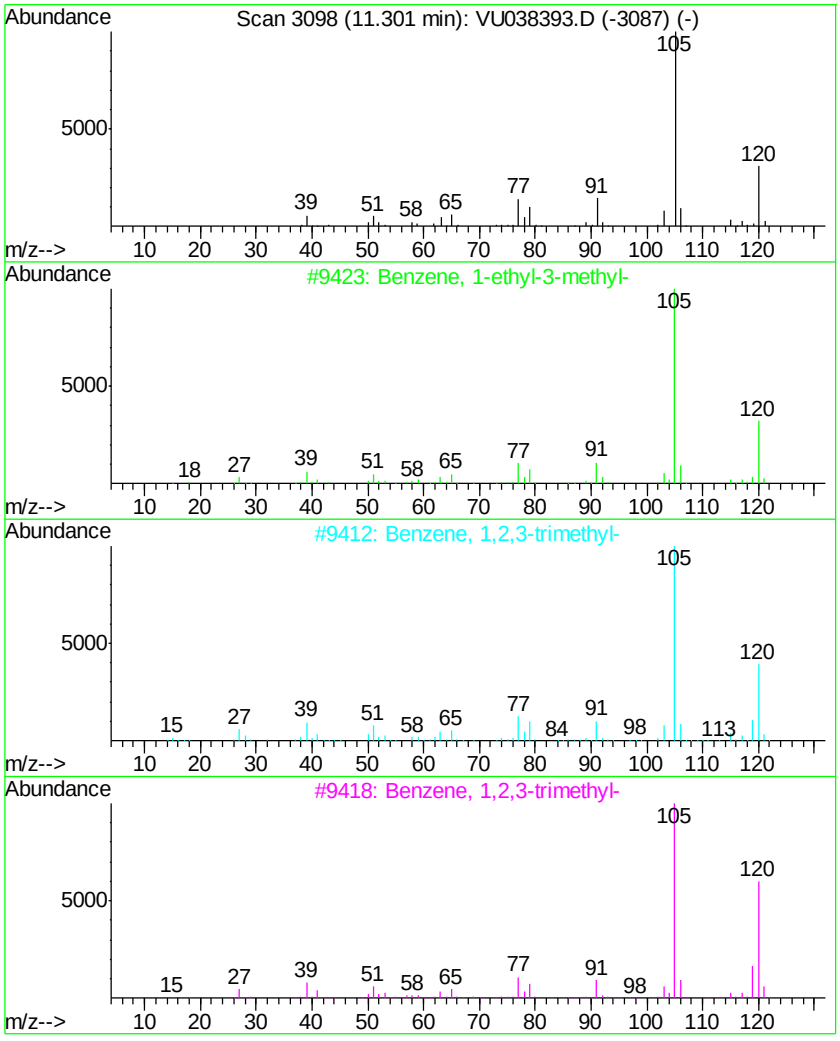
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

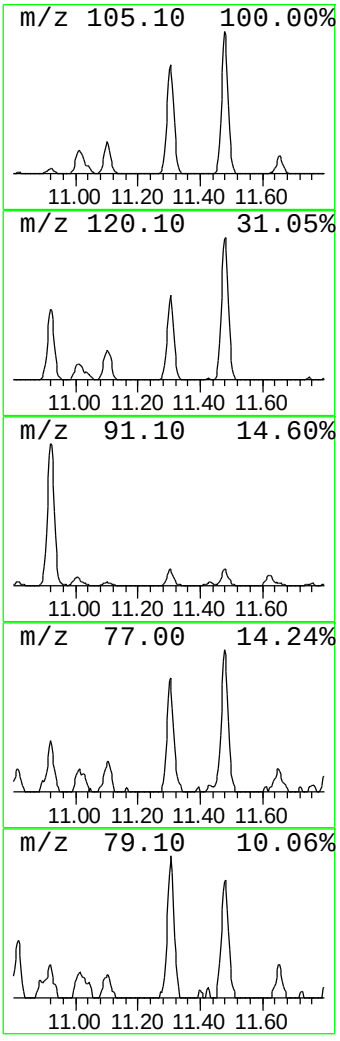
****

Peak Number 5 Benzene, 1-ethyl-3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.30	0.53 ug/L	104383	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Mesitylene	120	C9H12	000108-67-8	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053020\
Data File : VU038393.D
Acq On : 29 May 2020 21:56
Operator : JC/MD
Sample : L2766-07DL 20X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4Z0DL

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

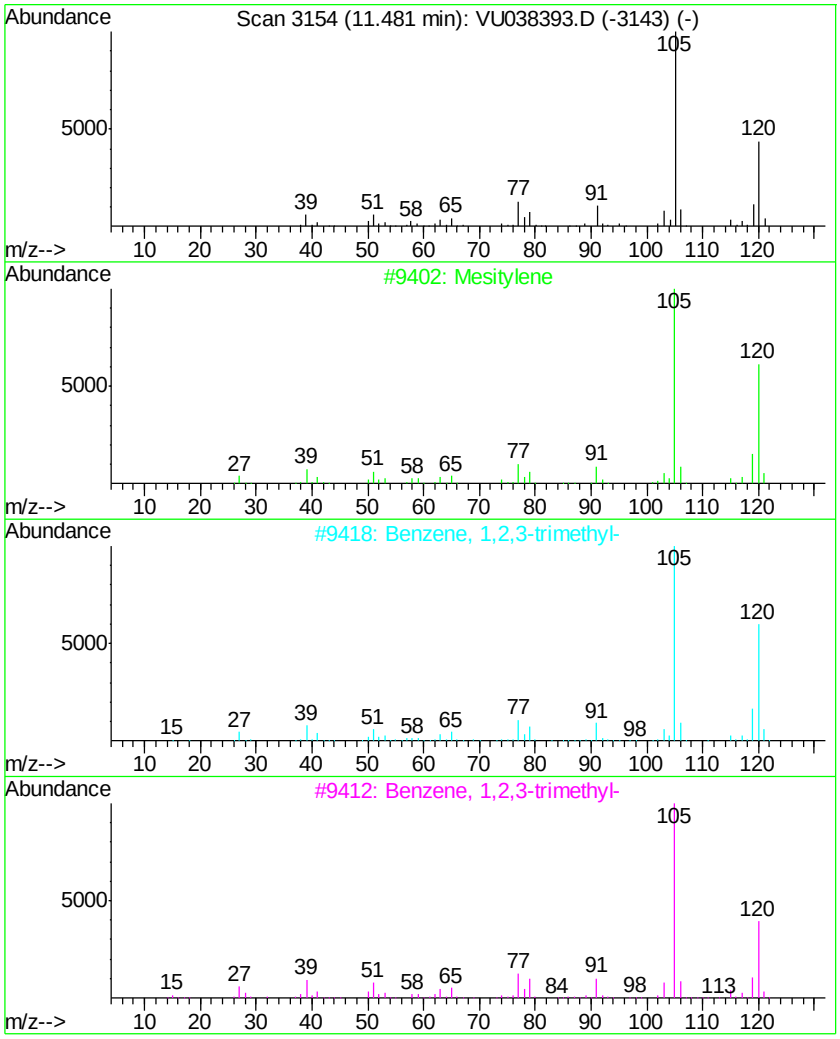
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

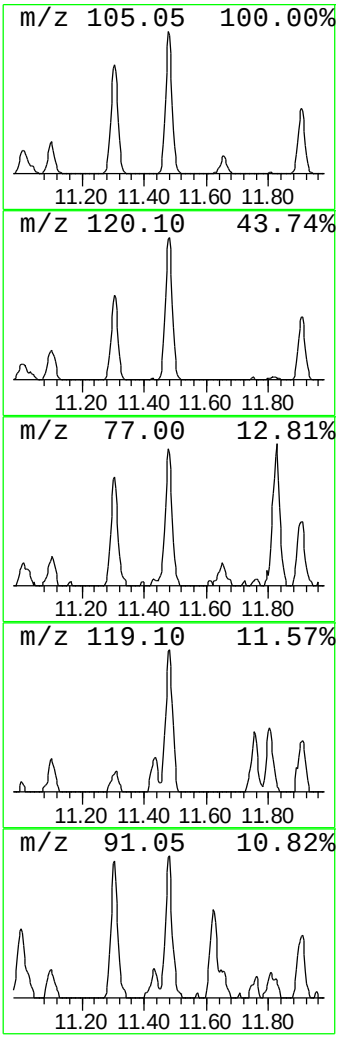
****

Peak Number 6 Mesitylene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.48	0.68 ug/L	133752	1,4-Dichlorobenzene-d4	11.83

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	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053020\
Data File : VU038393.D
Acq On : 29 May 2020 21:56
Operator : JC/MD
Sample : L2766-07DL 20X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4Z0DL

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

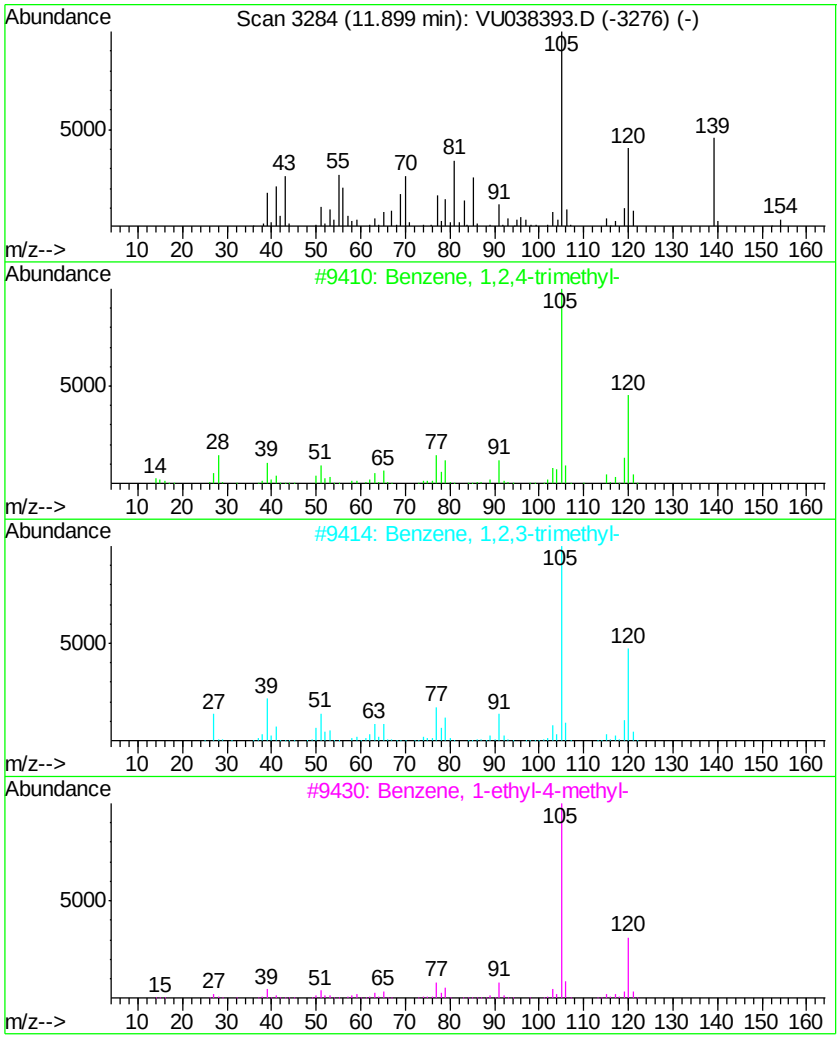
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

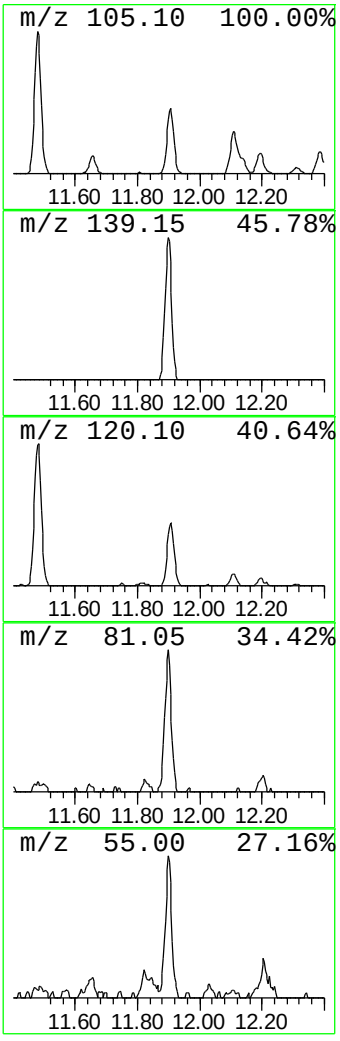
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	0.66 ug/L	128735	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	64
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	64
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	50
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	50
5	Mesitylene	120	C9H12	000108-67-8	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053020\
Data File : VU038393.D
Acq On : 29 May 2020 21:56
Operator : JC/MD
Sample : L2766-07DL 20X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4Z0DL

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

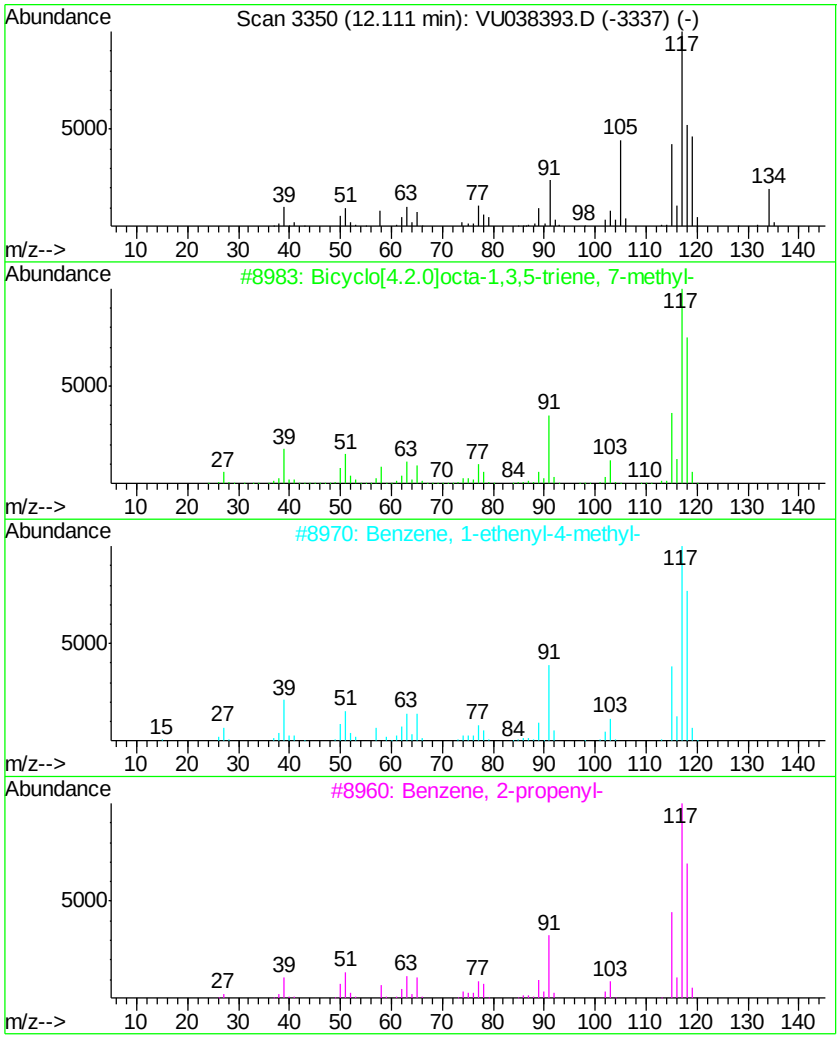
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

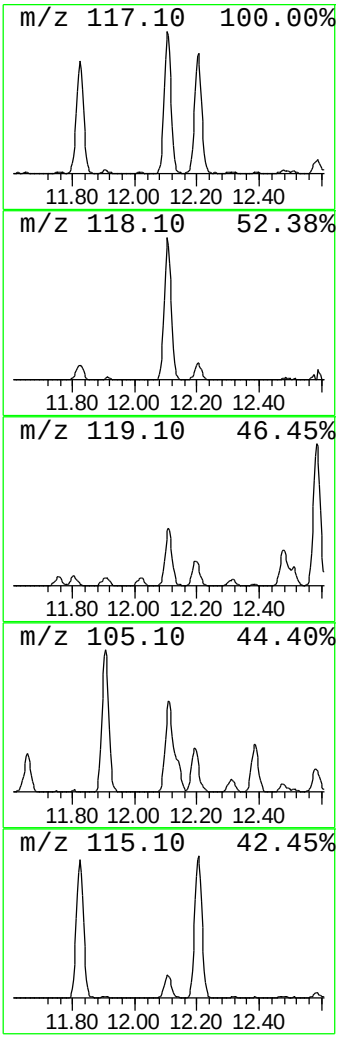
****

Peak Number 8 Bicyclo[4.2.0]octa-1,3,5-tr... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	0.95 ug/L	185994	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	055337-80-9	95
2	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	83
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	70
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	55
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	55





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053020\
Data File : VU038393.D
Acq On : 29 May 2020 21:56
Operator : JC/MD
Sample : L2766-07DL 20X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4Z0DL

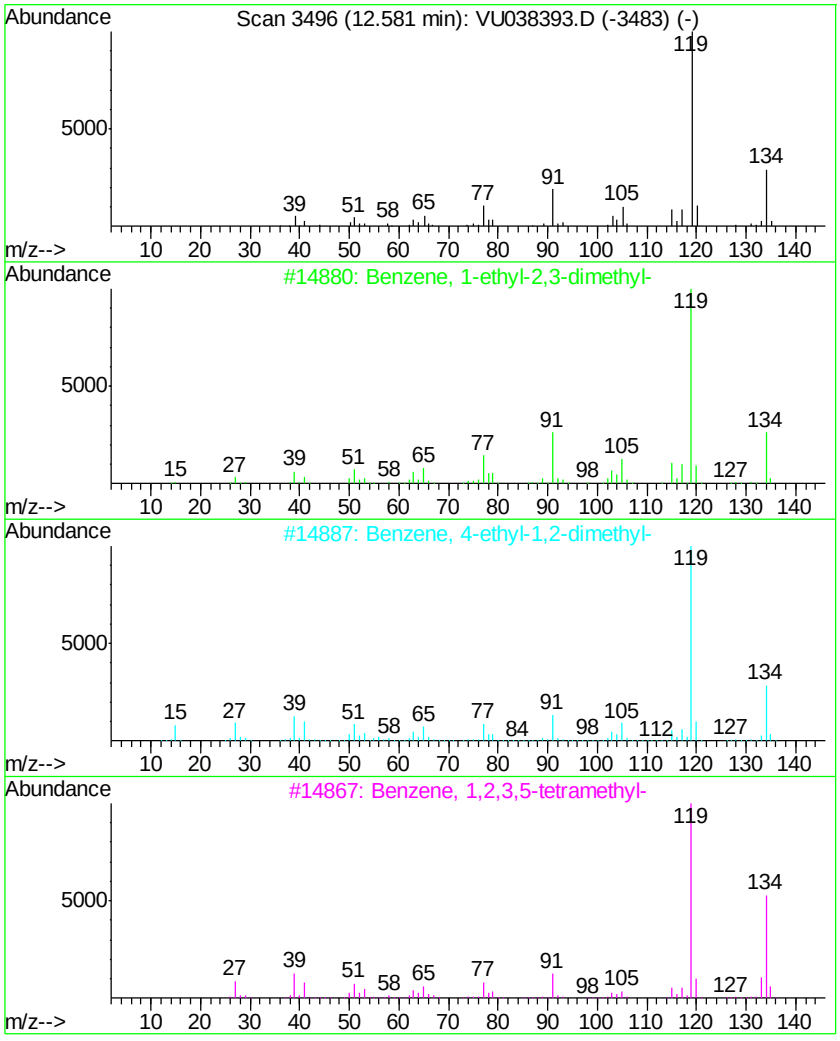
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

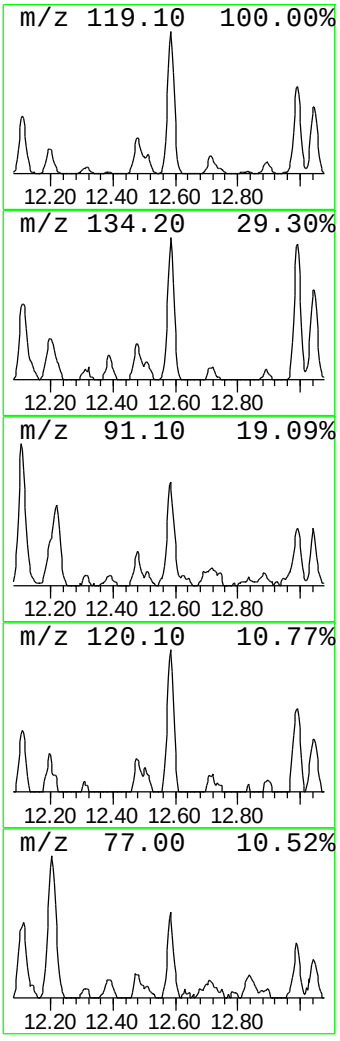
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.58	0.52 ug/L	101831	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053020\
Data File : VU038393.D
Acq On : 29 May 2020 21:56
Operator : JC/MD
Sample : L2766-07DL 20X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4Z0DL

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	0.7	ug/L	97782	1	6.28	701627	5.0
Diisopropyl ether	4.03	1.7	ug/L	240439	1	6.28	701627	5.0
Benzene, propyl-	10.92	0.7	ug/L	133145	3	11.83	977476	5.0
Benzene, 1-ethyl-...	11.30	0.5	ug/L	104383	3	11.83	977476	5.0
Mesitylene	11.48	0.7	ug/L	133752	3	11.83	977476	5.0
Benzene, 1,2,4-tr...	11.90	0.7	ug/L	128735	3	11.83	977476	5.0
Bicyclo[4.2.0]oct...	12.11	0.9	ug/L	185994	3	11.83	977476	5.0
Benzene, 1-ethyl-...	12.58	0.5	ug/L	101831	3	11.83	977476	5.0