LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051320\
Data File : VU038144.D
Acq On : 13 May 2020 15:30
Operator : JC/MD
Sample : L2630-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFX10

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	1.617	75	86	101	rBV2	1079275	1220895	3.17%	0.549%
2	2.594	377	390	420	rBV3	335960	719770	1.87%	0.324%
3	3.076	500	540	542	rBV	1679515	2737682	7.11%	1.231%
4	3.115	543	552	598	rVB	6025287	12605961	32.73%	5.669%
5	3.398	619	640	670	rBV	15945145	35122648	91.19%	15.796%
6	3.739	726	746	773	rBV	10849856	23903467	62.06%	10.750%
7	3.909	776	799	812	rBV	479264	1523072	3.95%	0.685%
8	4.018	823	833	851	rVB	364481	860759	2.23%	0.387%
9	4.131	853	868	883	rBV2	303519	752511	1.95%	0.338%
10	4.340	913	933	939	rBV	536829	1442470	3.75%	0.649%
11	4.475	960	975	987	rBV	476421	1140598	2.96%	0.513%
12	4.575	987	1006	1023	rVV	16180263	38514037	100.00%	17.321%
13	4.707	1023	1047	1078	rVB2	1881569	5467808	14.20%	2.459%
14	5.102	1156	1170	1184	rBV	253577	563257	1.46%	0.253%
15	5.353	1230	1248	1260	rBV	1881325	4235082	11.00%	1.905%
16	5.424	1260	1270	1287	rVB	1692006	3723143	9.67%	1.674%
17	5.761	1354	1375	1403	rVB2	547443	1435340	3.73%	0.646%
18	6.279	1522	1536	1554	rBV	453493	858850	2.23%	0.386%
19	6.719	1659	1673	1689	rBV	349766	680843	1.77%	0.306%
20	7.922	2026	2047	2057	rBV	669130	1164851	3.02%	0.524%
21	7.993	2057	2069	2110	rVB	5779889	10012769	26.00%	4.503%
22	8.655	2261	2275	2288	rBV	1125515	1966994	5.11%	0.885%
23	9.465	2502	2527	2552	rBV2	1853639	4131022	10.73%	1.858%
24	9.587	2552	2565	2589	rVV	1439972	2422792	6.29%	1.090%
25	9.710	2589	2603	2637	rVB	2453768	4200044	10.91%	1.889%
26	10.115	2715	2729	2758	rVB	1343504	2225618	5.78%	1.001%
27	10.501	2835	2849	2868	rBV	496815	818884	2.13%	0.368%
28	10.771	2922	2933	2945	rBV	291362	464102	1.21%	0.209%
29	10.919	2965	2979	2995	rBV	1558937	2466453	6.40%	1.109%
30	11.012	2995	3008	3013	rBV	3475323	5836859	15.16%	2.625%
31	11.102	3026	3036	3061	rVB	2012544	3147153	8.17%	1.415%
32	11.243	3066	3080	3090	rBV	7651375	11446400	29.72%	5.148%
33	11.304	3090	3099	3125	rVB	2930486	4663883	12.11%	2.097%
34	11.481	3140	3154	3170	rBV	8134567	12427081	32.27%	5.589%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051320\
Data File : VU038144.D
Acq On : 13 May 2020 15:30
Operator : JC/MD
Sample : L2630-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFX10

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	11.568	3170	3181	3192	rBV	723557	1107681	2.88%	0.498%
36	11.758	3229	3240	3250	rBV	584115	929339	2.41%	0.418%
37	11.848	3250	3268	3277	rVV2	1014636	2684209	6.97%	1.207%
38	11.906	3277	3286	3306	rVB	2240948	3409443	8.85%	1.533%
39	12.105	3335	3348	3366	rBV	1447872	2459663	6.39%	1.106%
40	12.205	3366	3379	3399	rVB6	996105	2192857	5.69%	0.986%
41	12.584	3485	3497	3507	rBV	431944	665040	1.73%	0.299%
42	12.992	3610	3624	3631	rVV	274191	424055	1.10%	0.191%
43	13.044	3631	3640	3653	rVB	471200	735784	1.91%	0.331%
44	13.475	3763	3774	3789	rVB3	466553	793888	2.06%	0.357%
45	13.864	3884	3895	3911	rBV2	367637	609708	1.58%	0.274%
46	14.115	3958	3973	3990	rBV	905267	1440657	3.74%	0.648%

Sum of corrected areas: 222355422

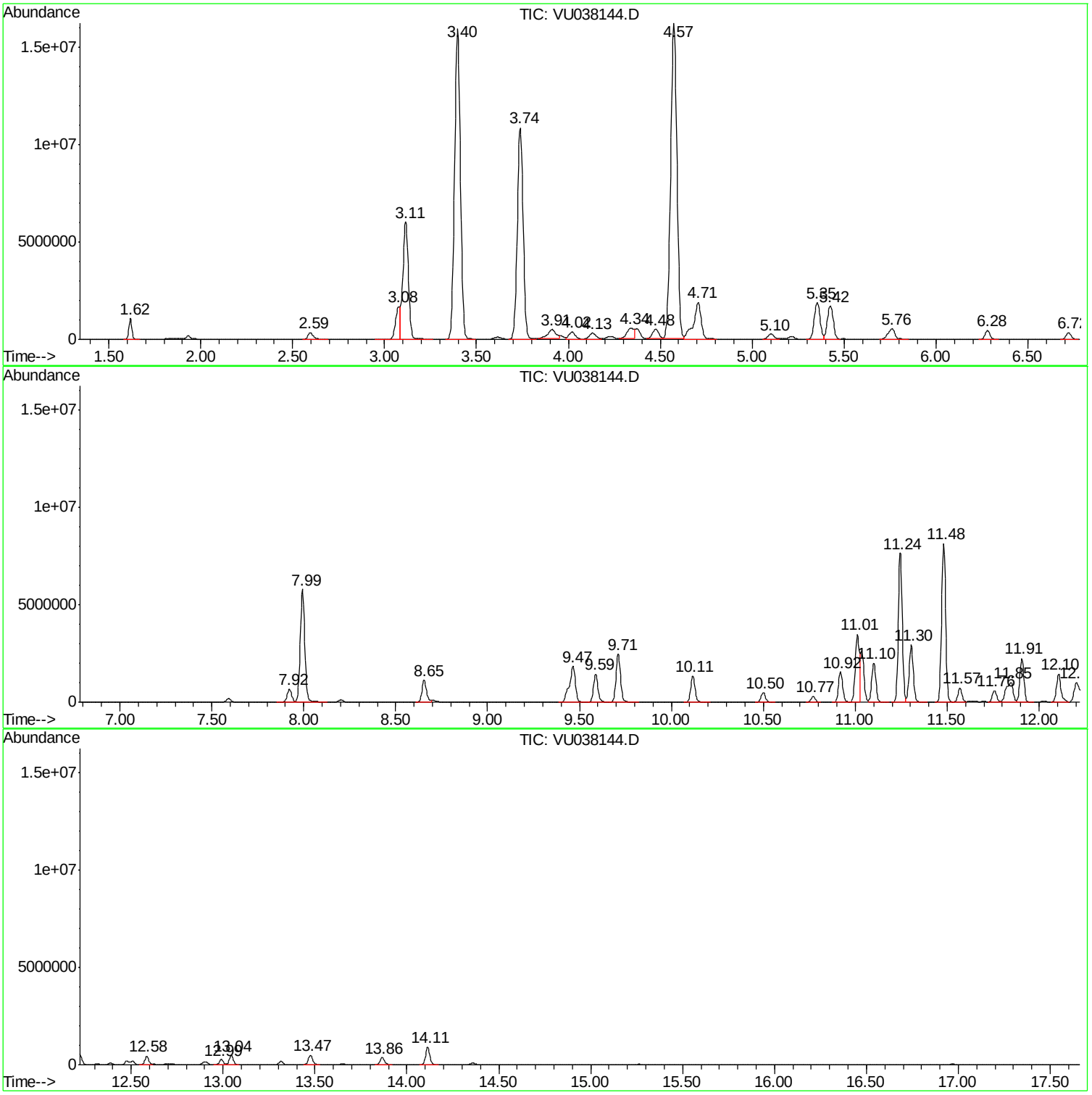
LSC Report - Integrated Chromatogram

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051320\
Data File : VU038144.D
Acq On : 13 May 2020 15:30
Operator : JC/MD
Sample : L2630-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFX10

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\VU051320\
Data File : VU038144.D
Acq On : 13 May 2020 15:30
Operator : JC/MD
Sample : L2630-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFX10

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

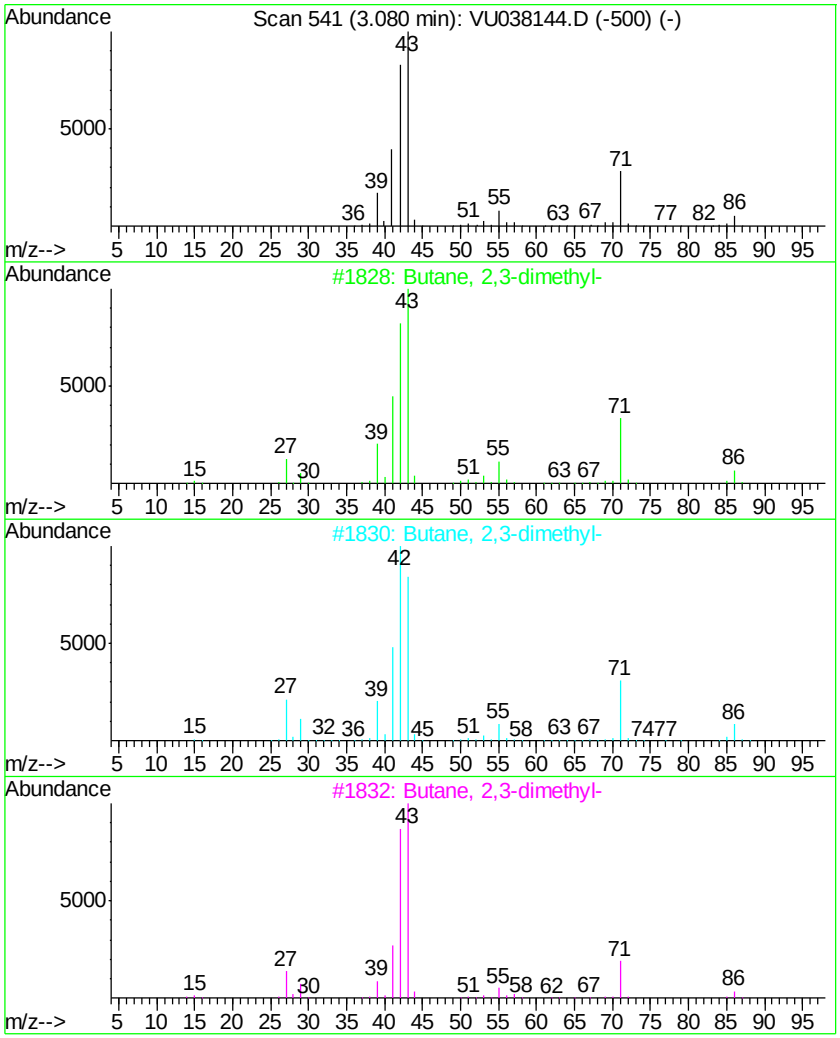
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

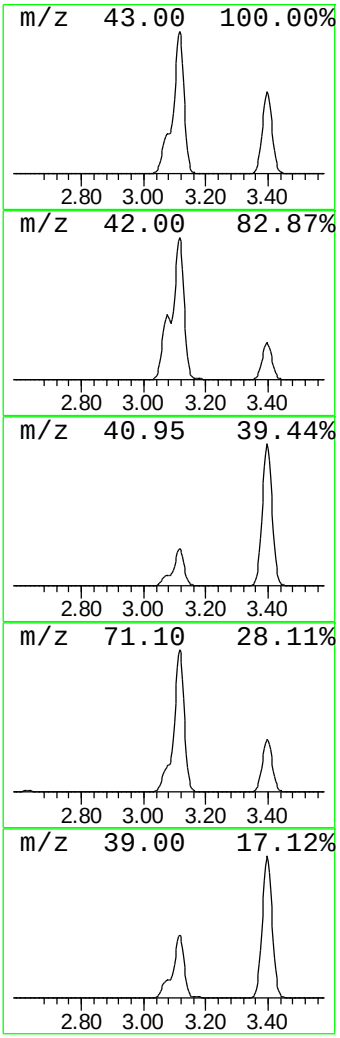
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.08	15.94 ug/L	2737680	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	91
2	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	90
3	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	90
4	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	90
5	Pentane, 2-methyl-	86	C6H14	000107-83-5	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051320\
Data File : VU038144.D
Acq On : 13 May 2020 15:30
Operator : JC/MD
Sample : L2630-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFX10

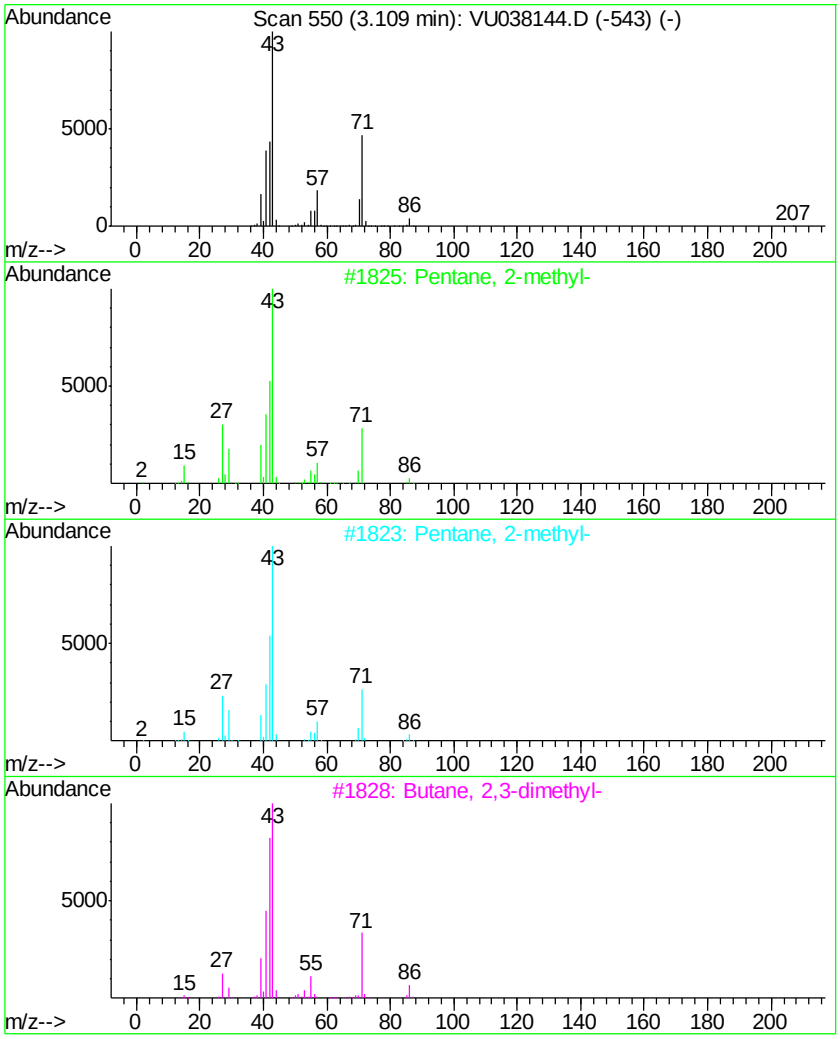
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

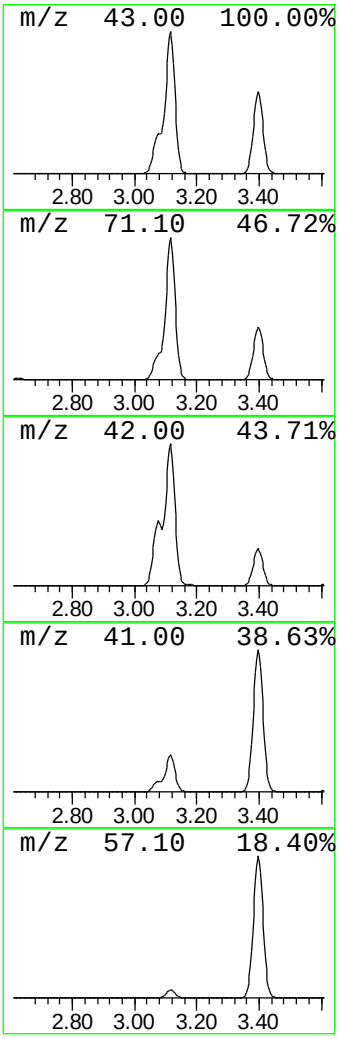
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.11	73.39 ug/L	12606000	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	91
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	90
3	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	47
4	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	38
5	Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	38





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051320\
Data File : VU038144.D
Acq On : 13 May 2020 15:30
Operator : JC/MD
Sample : L2630-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFX10

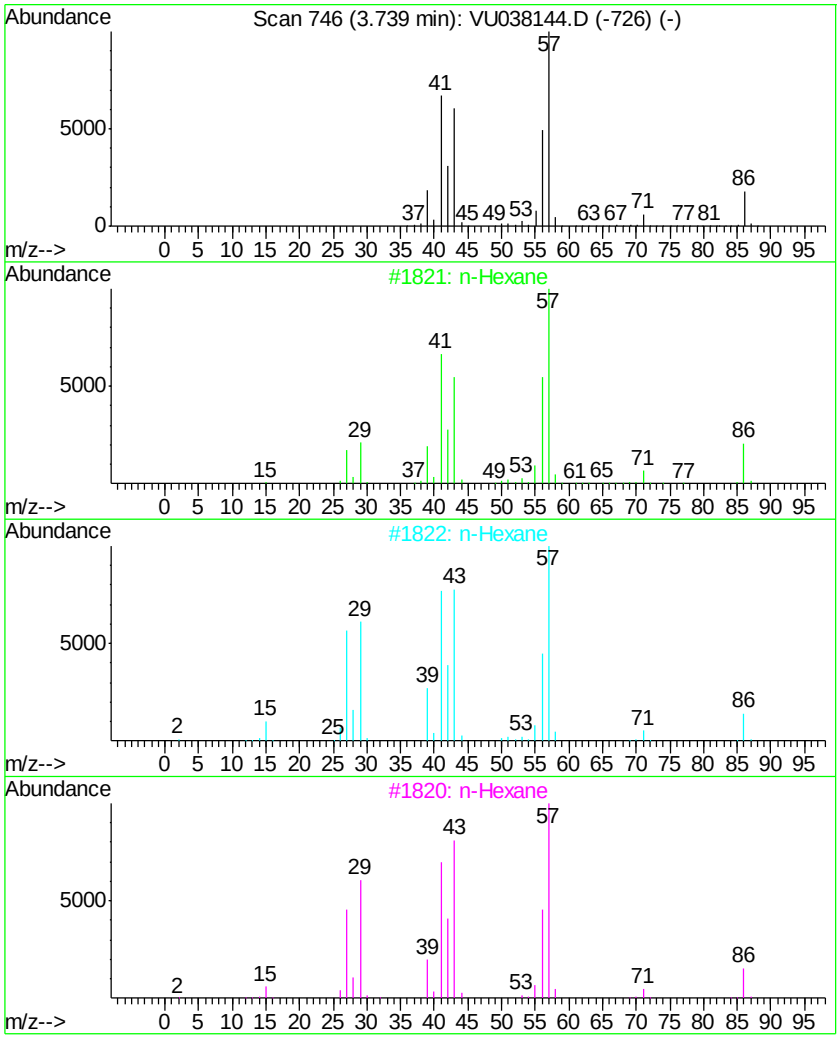
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

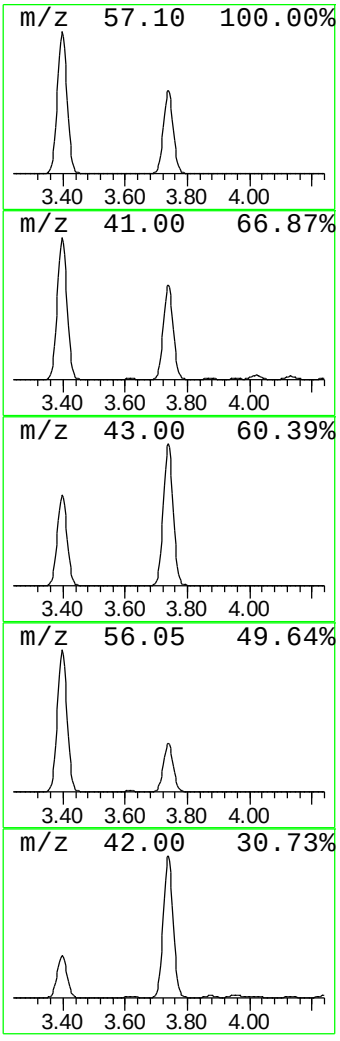
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.74	139.16 ug/L	23903500	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	94
2	n-Hexane	86	C6H14	000110-54-3	83
3	n-Hexane	86	C6H14	000110-54-3	59
4	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	53
5	Methane, isocyanato-	57	C2H3NO	000624-83-9	37





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051320\
Data File : VU038144.D
Acq On : 13 May 2020 15:30
Operator : JC/MD
Sample : L2630-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFX10

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

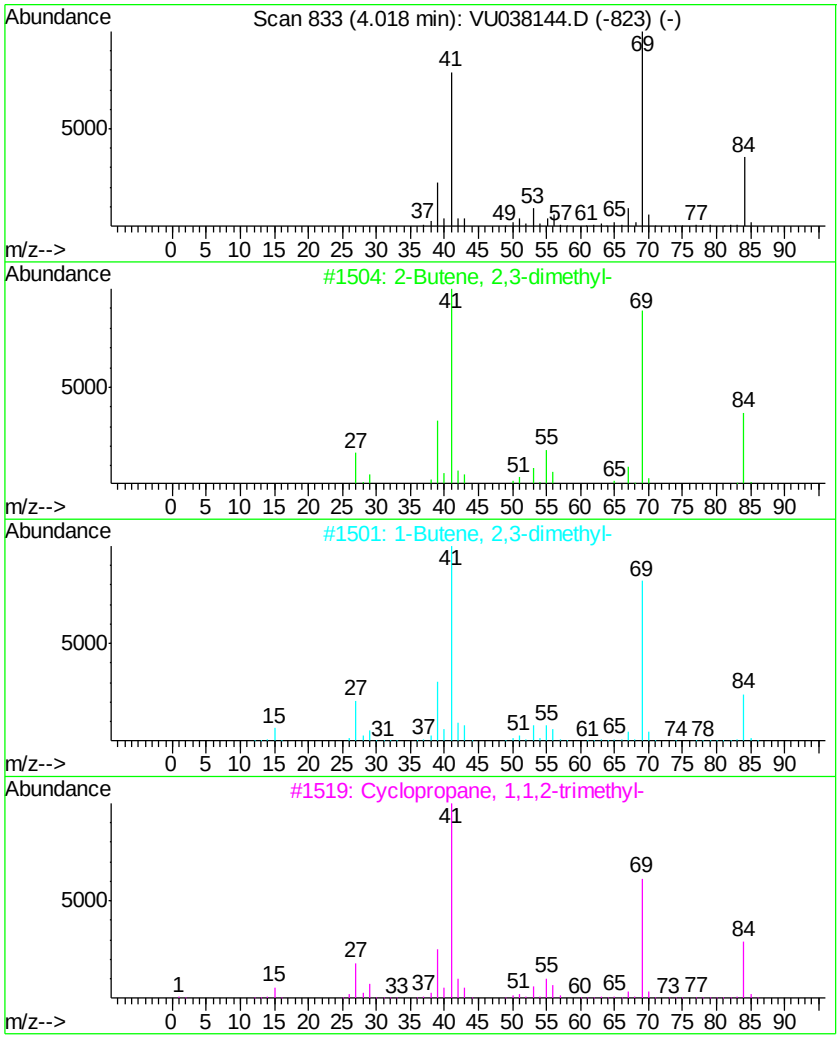
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

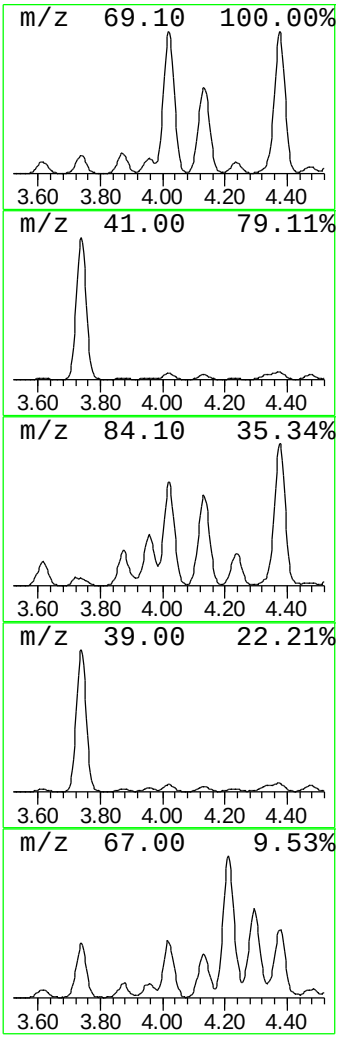
****

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.02	5.01 ug/L	860759	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butene, 2,3-dimethyl-	84	C6H12	000563-79-1	91
2	1-Butene, 2,3-dimethyl-	84	C6H12	000563-78-0	90
3	Cyclopropane, 1,1,2-trimethyl-	84	C6H12	004127-45-1	86
4	1-Butene, 2,3-dimethyl-	84	C6H12	000563-78-0	86
5	2-Pentene, 4-methyl-	84	C6H12	004461-48-7	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051320\
Data File : VU038144.D
Acq On : 13 May 2020 15:30
Operator : JC/MD
Sample : L2630-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFX10

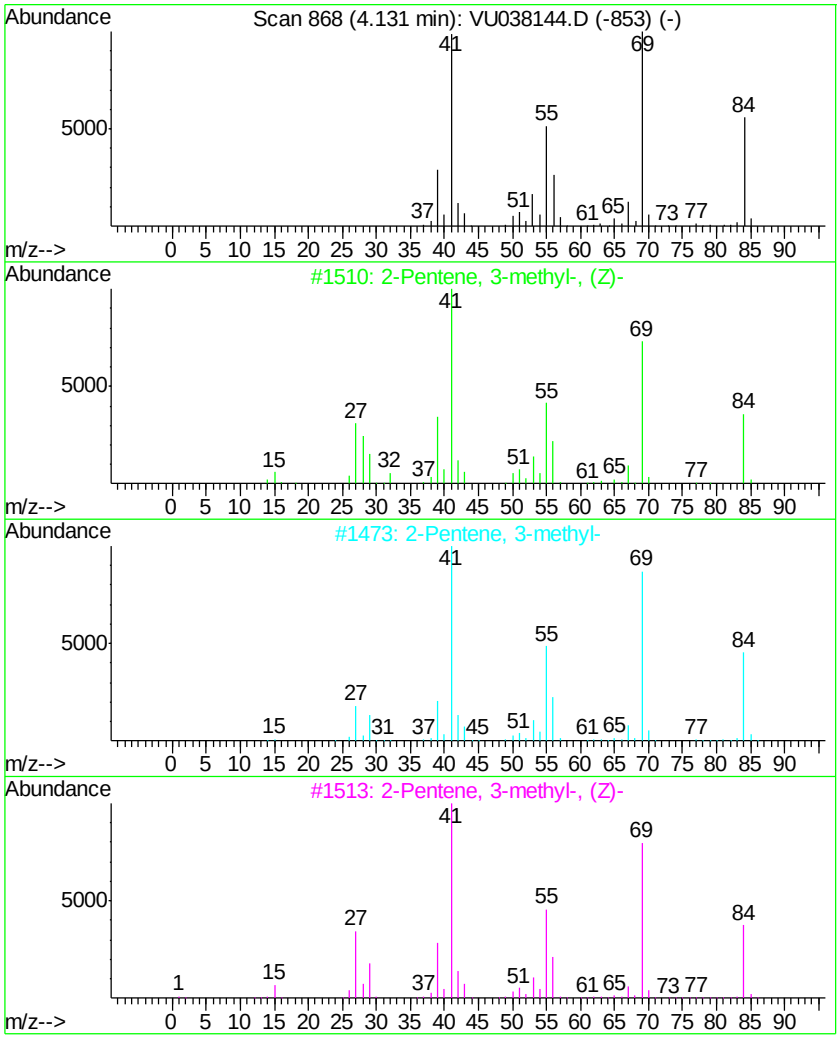
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

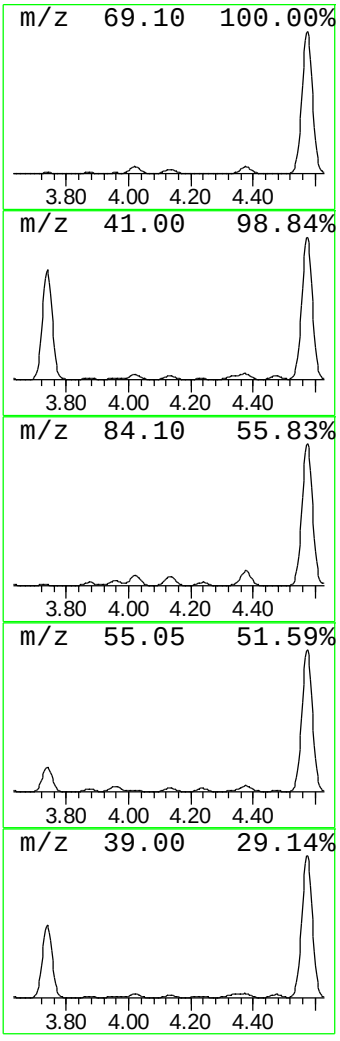
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.13	4.38 ug/L	752511	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	95
2	2-Pentene, 3-methyl-	84	C6H12	000922-61-2	94
3	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	94
4	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	91
5	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051320\
Data File : VU038144.D
Acq On : 13 May 2020 15:30
Operator : JC/MD
Sample : L2630-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFX10

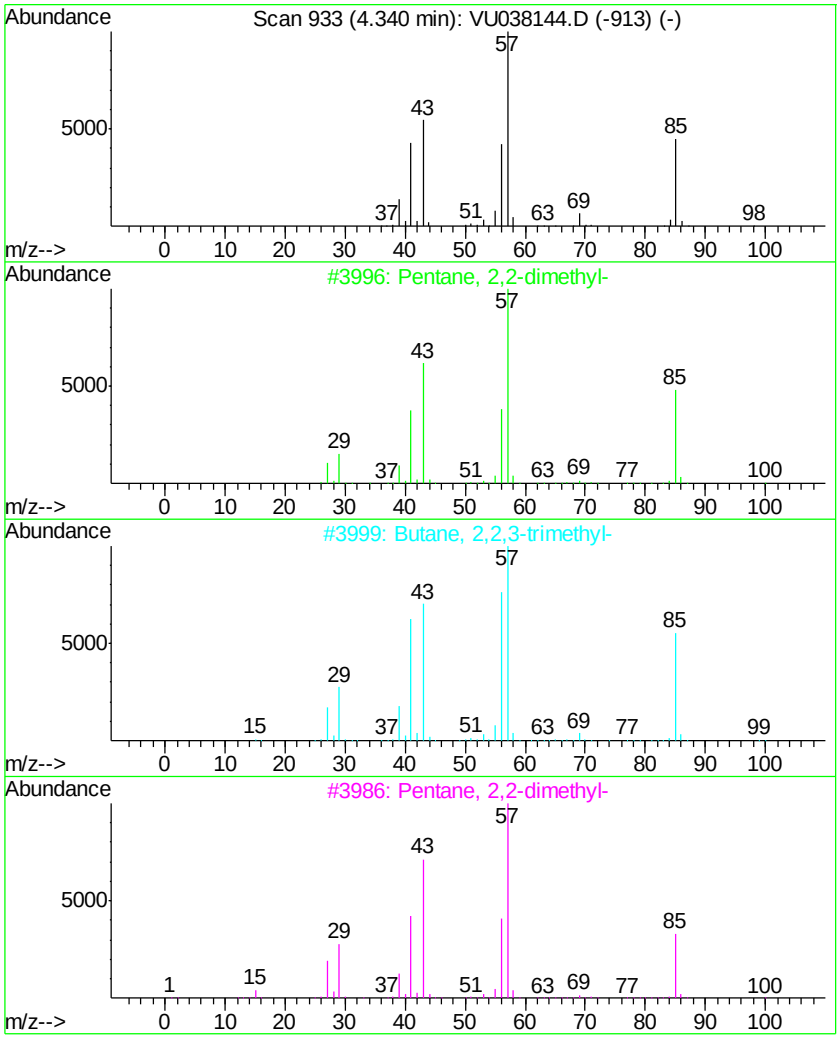
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

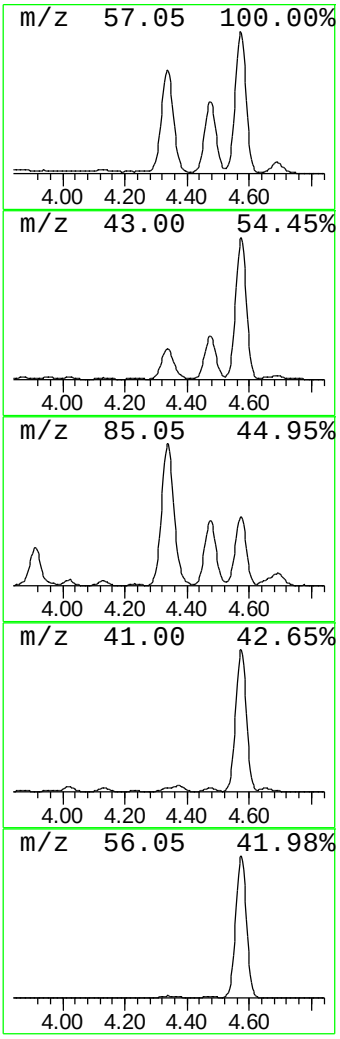
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.34	8.40 ug/L	1442470	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	90
2	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	78
3	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	78
4	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	74
5	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051320\
Data File : VU038144.D
Acq On : 13 May 2020 15:30
Operator : JC/MD
Sample : L2630-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFX10

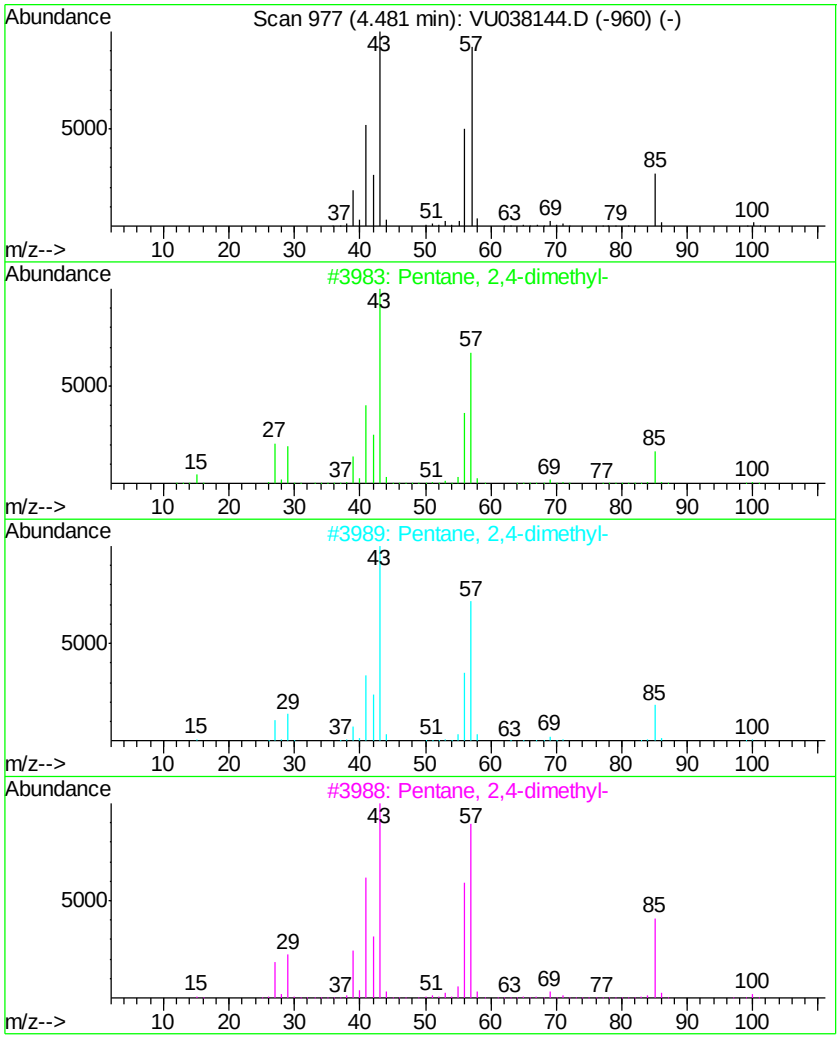
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

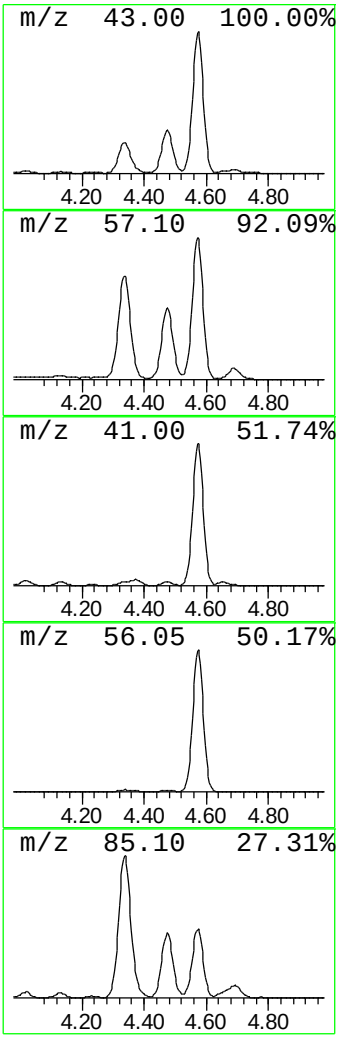
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.48	6.64 ug/L	1140600	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	87
2	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	83
3	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	74
4	Oxalic acid, butyl isohexyl ester	230	C12H22O4	1000309-32-7	50
5	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051320\
Data File : VU038144.D
Acq On : 13 May 2020 15:30
Operator : JC/MD
Sample : L2630-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFX10

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

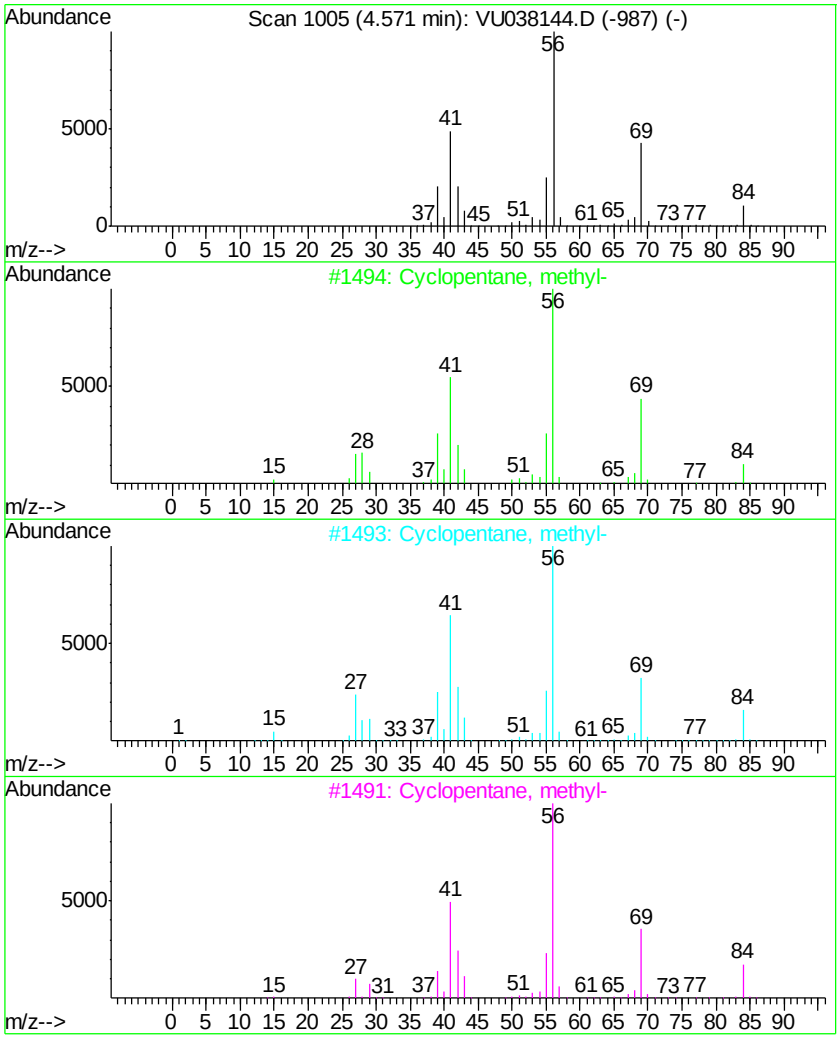
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

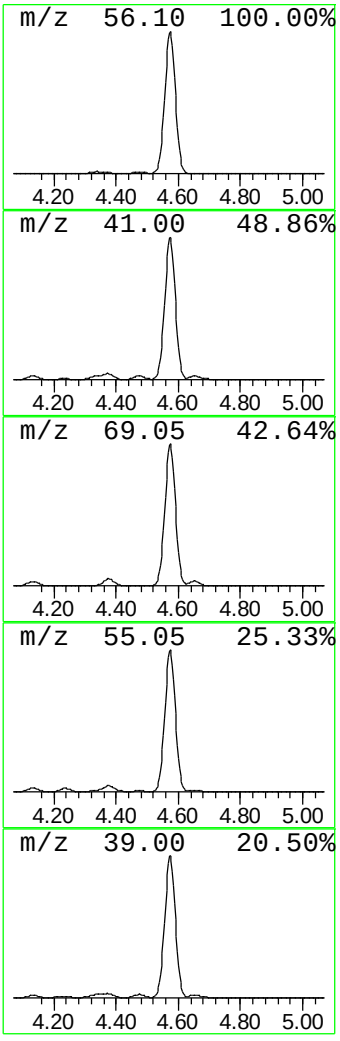
****

Peak Number 8 (DEL) Alkane: Cyclic4.57 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.57	224.22 ug/L	38514000	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	94
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
3	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
4	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72
5	Cyclobutane, ethyl-	84	C6H12	004806-61-5	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051320\
Data File : VU038144.D
Acq On : 13 May 2020 15:30
Operator : JC/MD
Sample : L2630-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFX10

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

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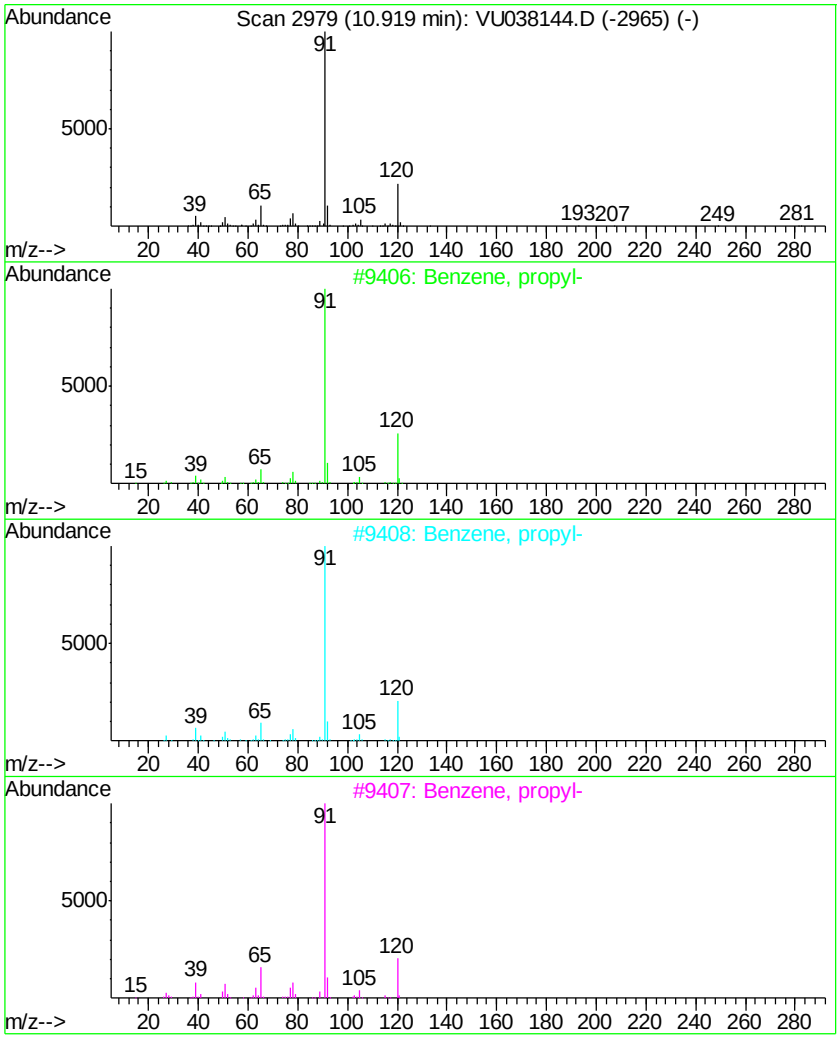
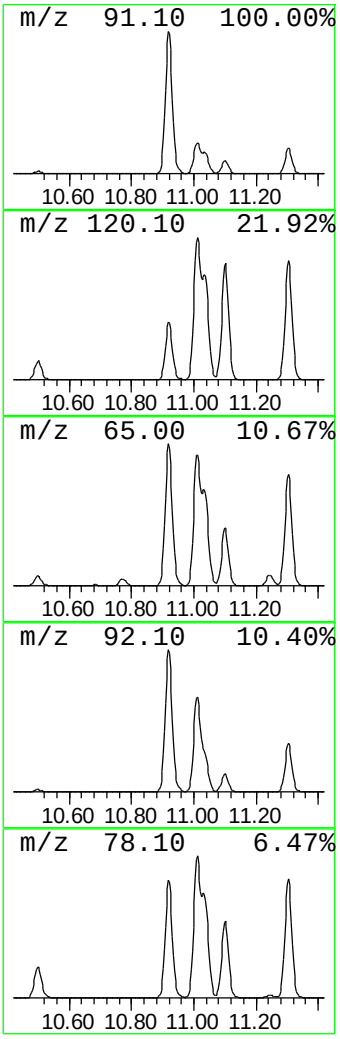
Peak Number 9 Benzene, propyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.92	4.59 ug/L	2466450	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	90
2	Benzene, propyl-	120	C9H12	000103-65-1	90
3	Benzene, propyl-	120	C9H12	000103-65-1	90
4	Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	72
5	Phenethylamine, N-benzyl-p-chloro-	245	C15H16ClN	013622-43-0	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051320\
Data File : VU038144.D
Acq On : 13 May 2020 15:30
Operator : JC/MD
Sample : L2630-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFX10

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

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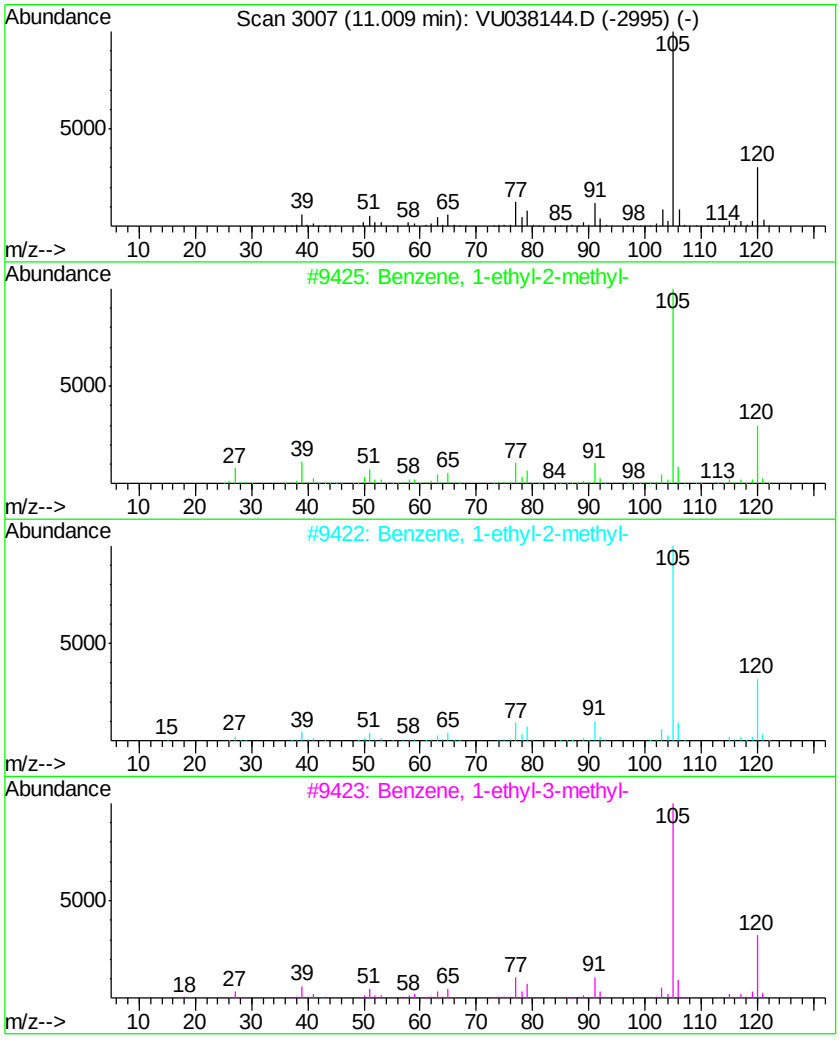
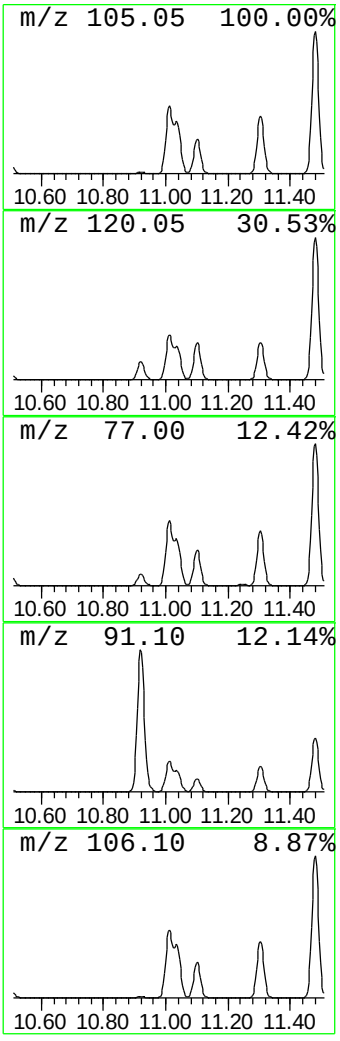
Peak Number 10 Benzene, 1-ethyl-2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.01	10.87 ug/L	5836860	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	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
5	Mesitylene	120	C9H12	000108-67-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051320\
Data File : VU038144.D
Acq On : 13 May 2020 15:30
Operator : JC/MD
Sample : L2630-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFX10

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

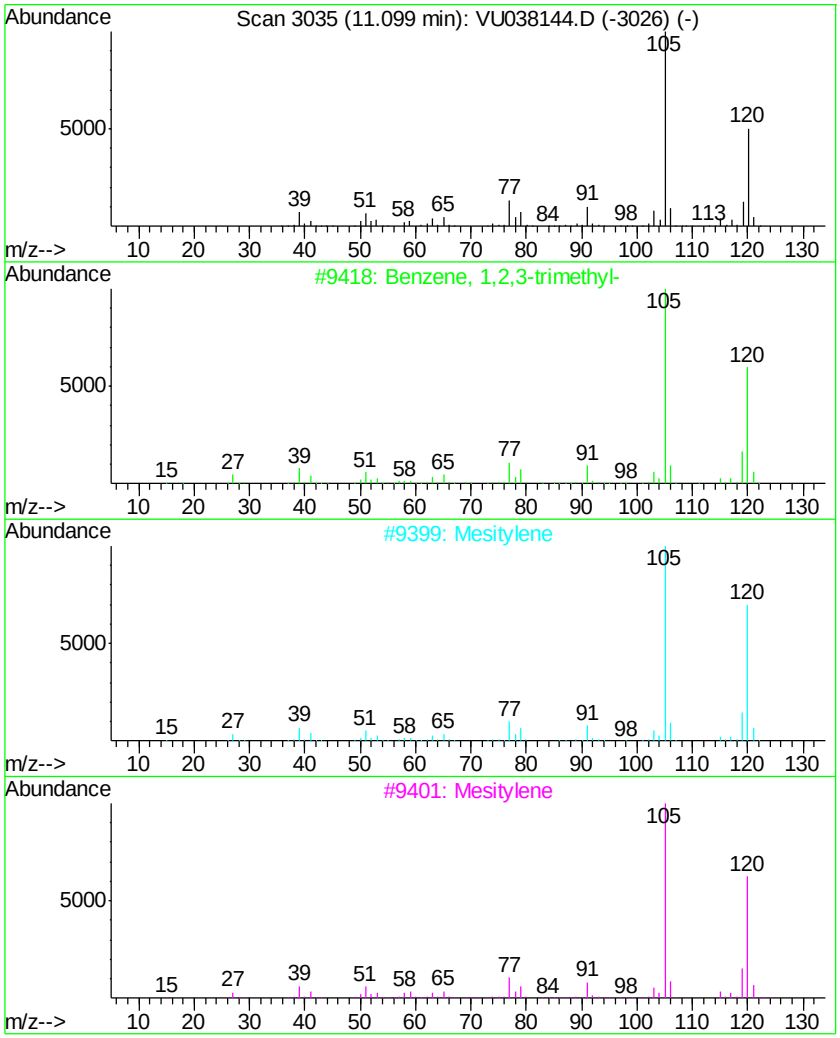
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

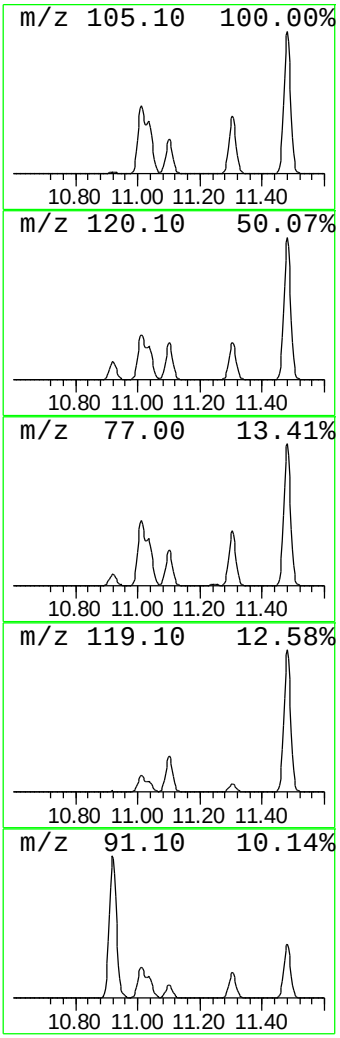
****

Peak Number 11 Benzene, 1,2,3-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.10	5.86 ug/L	3147150	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	95
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051320\
Data File : VU038144.D
Acq On : 13 May 2020 15:30
Operator : JC/MD
Sample : L2630-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFX10

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

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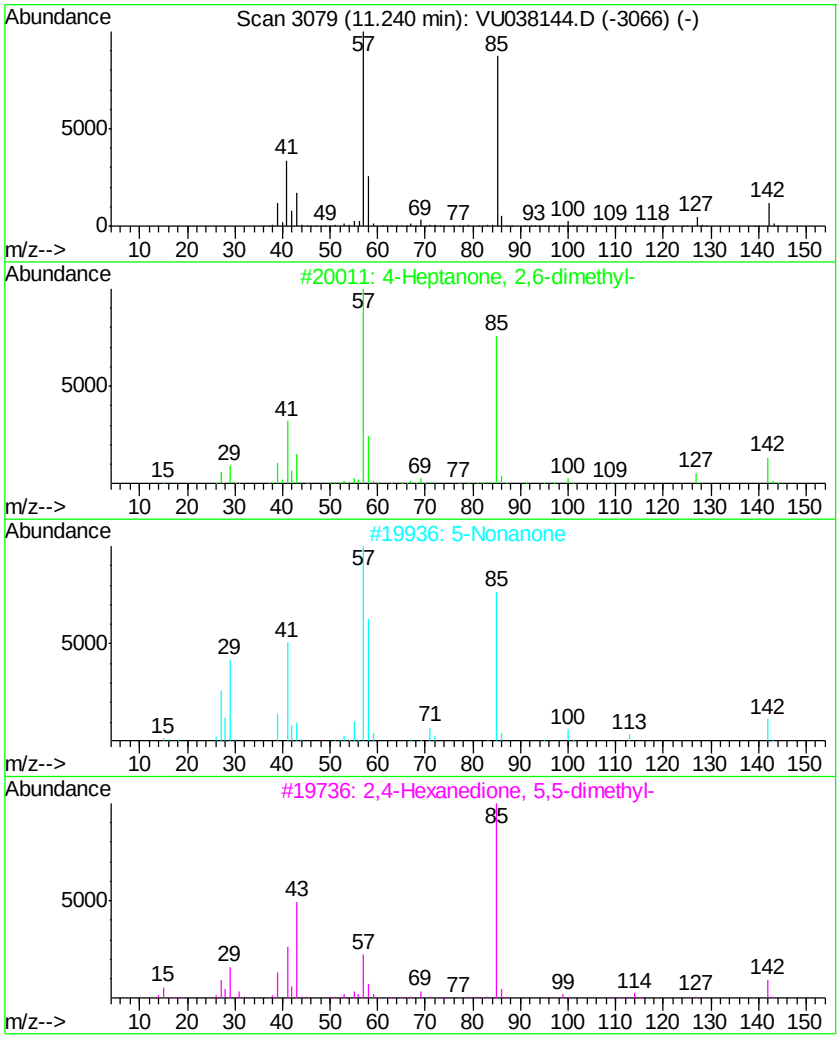
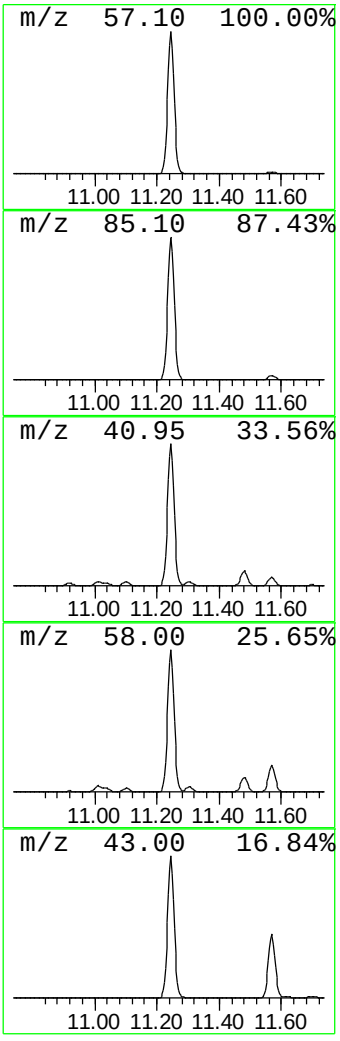
Peak Number 12 4-Heptanone, 2,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.24	21.32 ug/L	11446400	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Heptanone, 2,6-dimethyl-	142	C9H18O	000108-83-8	94
2	5-Nonanone	142	C9H18O	000502-56-7	64
3	2,4-Hexanedione, 5,5-dimethyl-	142	C8H14O2	007307-04-2	59
4	3-Buten-2-ol, 2,3-dimethyl-	100	C6H12O	010473-13-9	53
5	4-Heptanone, 2,6-dimethyl-	142	C9H18O	000108-83-8	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051320\
Data File : VU038144.D
Acq On : 13 May 2020 15:30
Operator : JC/MD
Sample : L2630-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFX10

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

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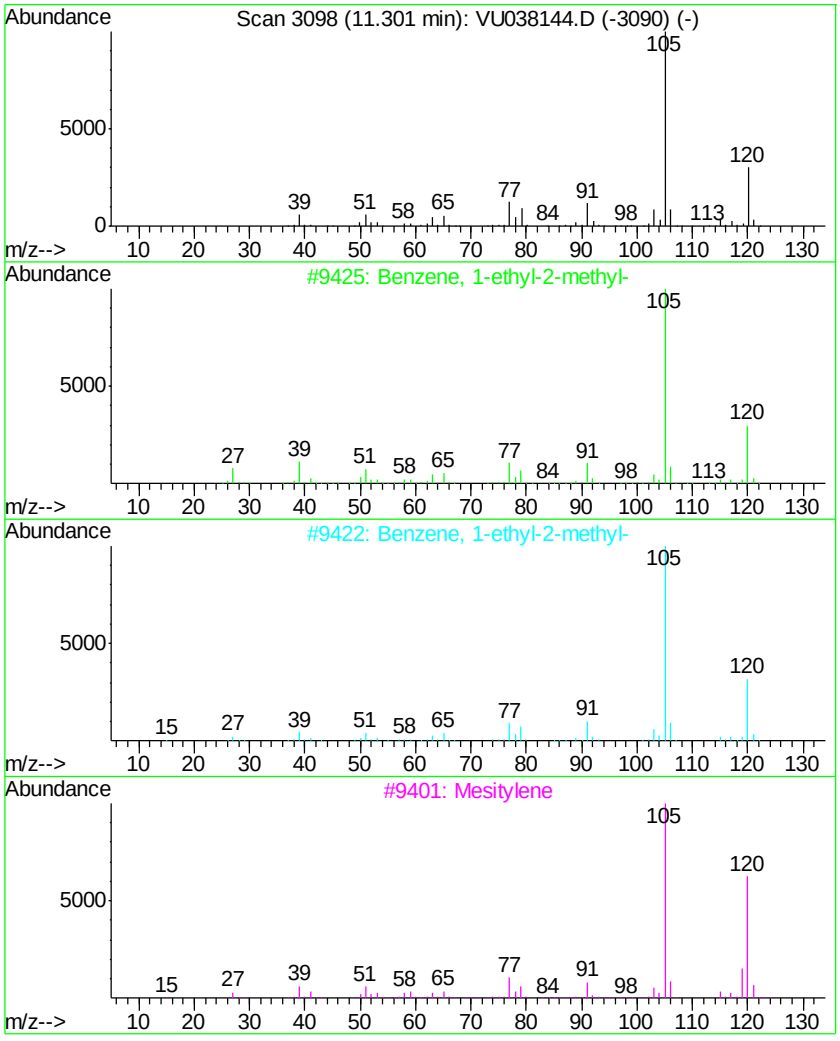
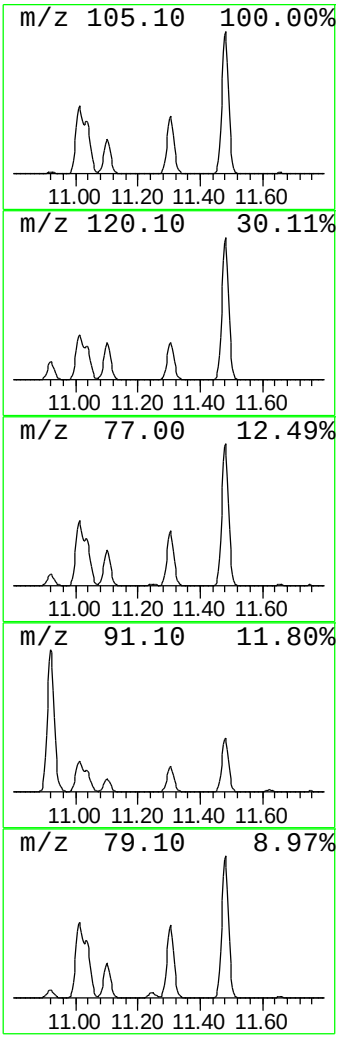
Peak Number 13 Mesitylene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.30	8.69 ug/L	4663880	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	94
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





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Data File : VU038144.D
Acq On : 13 May 2020 15:30
Operator : JC/MD
Sample : L2630-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFX10

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

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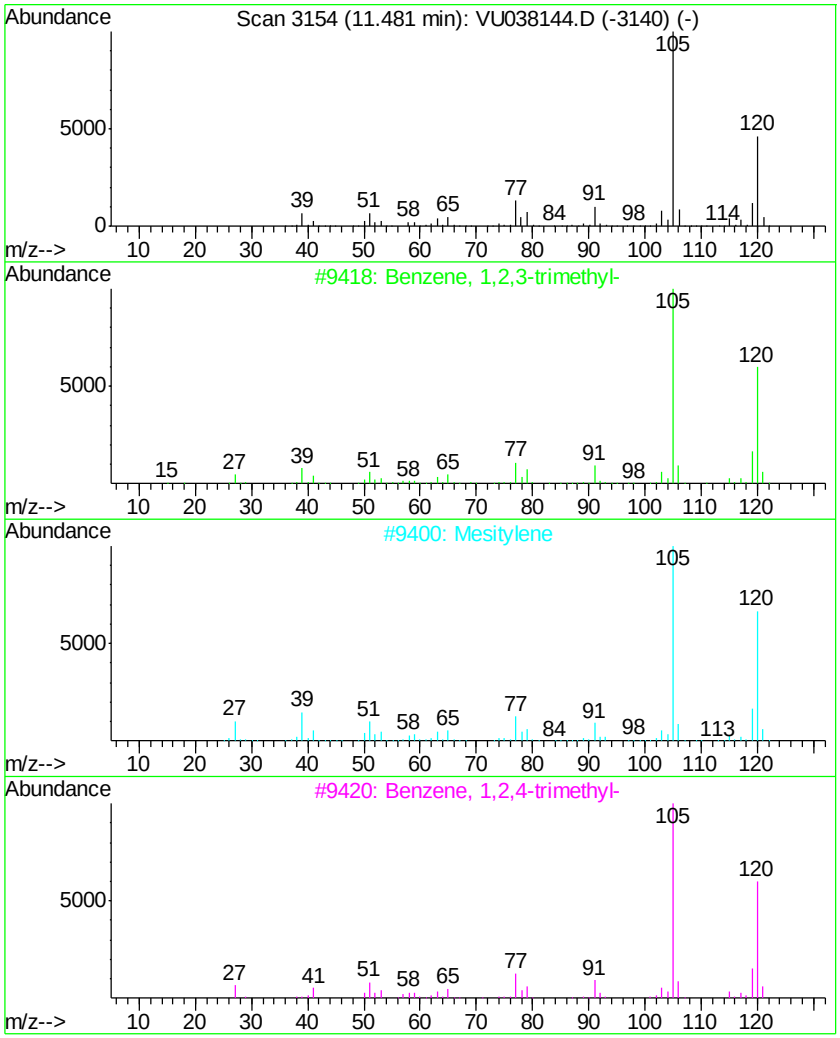
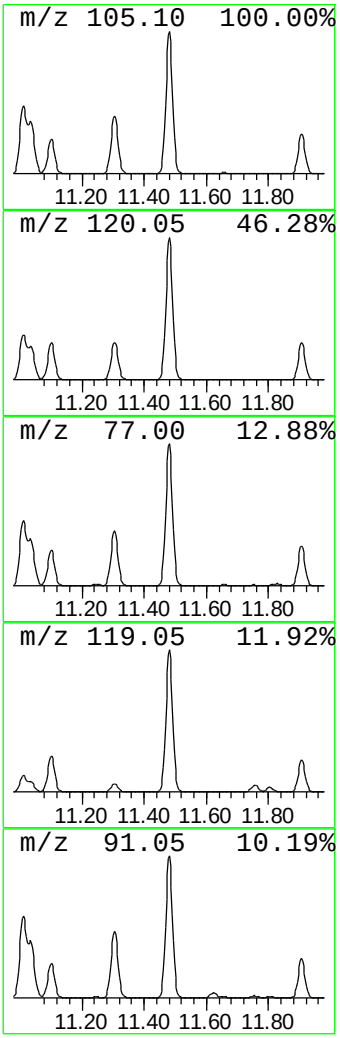
Peak Number 14 Benzene, 1,2,4-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.48	23.15 ug/L	12427100	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	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051320\
Data File : VU038144.D
Acq On : 13 May 2020 15:30
Operator : JC/MD
Sample : L2630-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFX10

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

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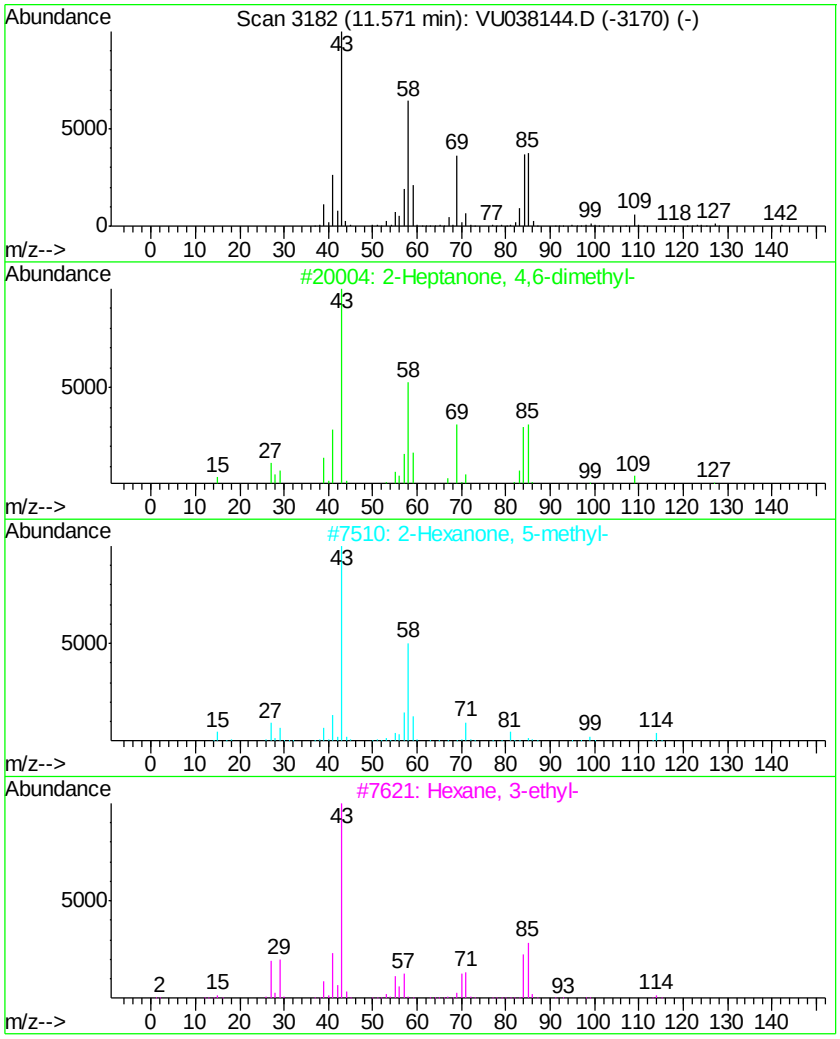
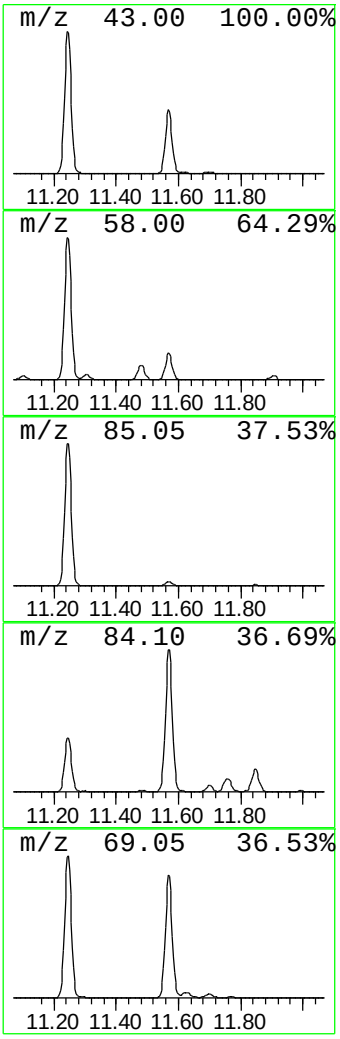
Peak Number 15 2-Heptanone, 4,6-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.57	2.06 ug/L	1107680	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Heptanone, 4,6-dimethyl-	142	C9H18O	019549-80-5	90
2	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	50
3	Hexane, 3-ethyl-	114	C8H18	000619-99-8	38
4	Hexane, 3-ethyl-	114	C8H18	000619-99-8	38
5	2-Hexanone, 4-methyl-	114	C7H14O	000105-42-0	37





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Data File : VU038144.D
Acq On : 13 May 2020 15:30
Operator : JC/MD
Sample : L2630-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFX10

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

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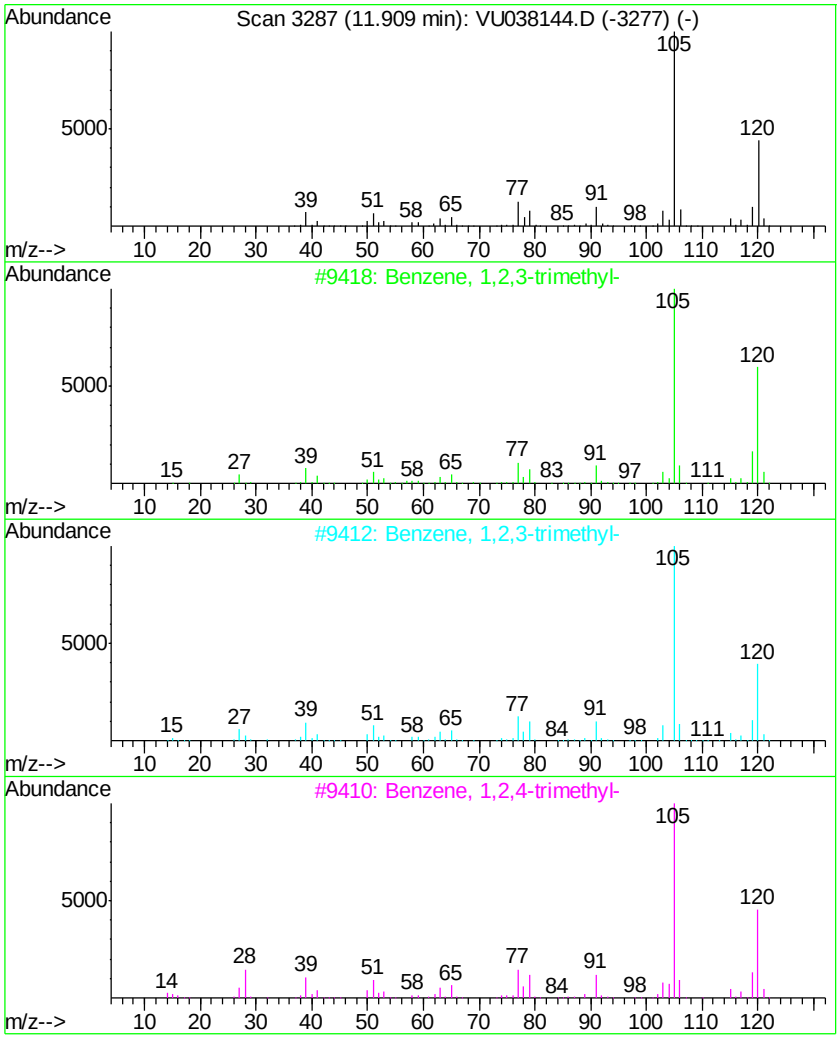
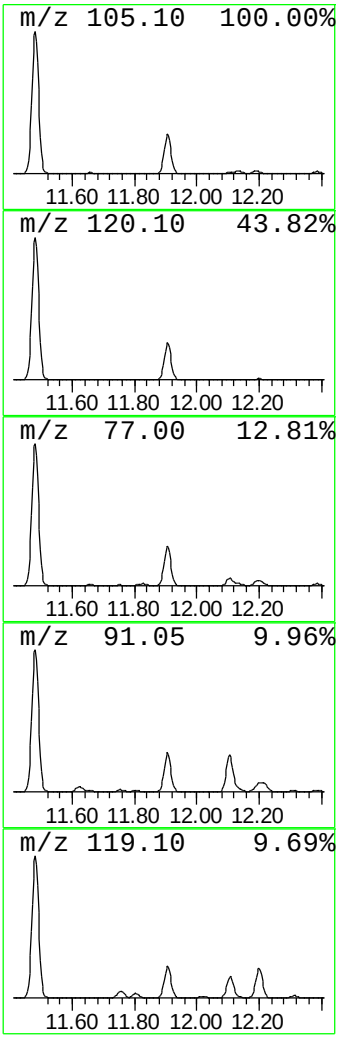
Peak Number 16 Benzene, 1-ethyl-3-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	6.35 ug/L	3409440	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	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-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





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Data File : VU038144.D
Acq On : 13 May 2020 15:30
Operator : JC/MD
Sample : L2630-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFX10

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

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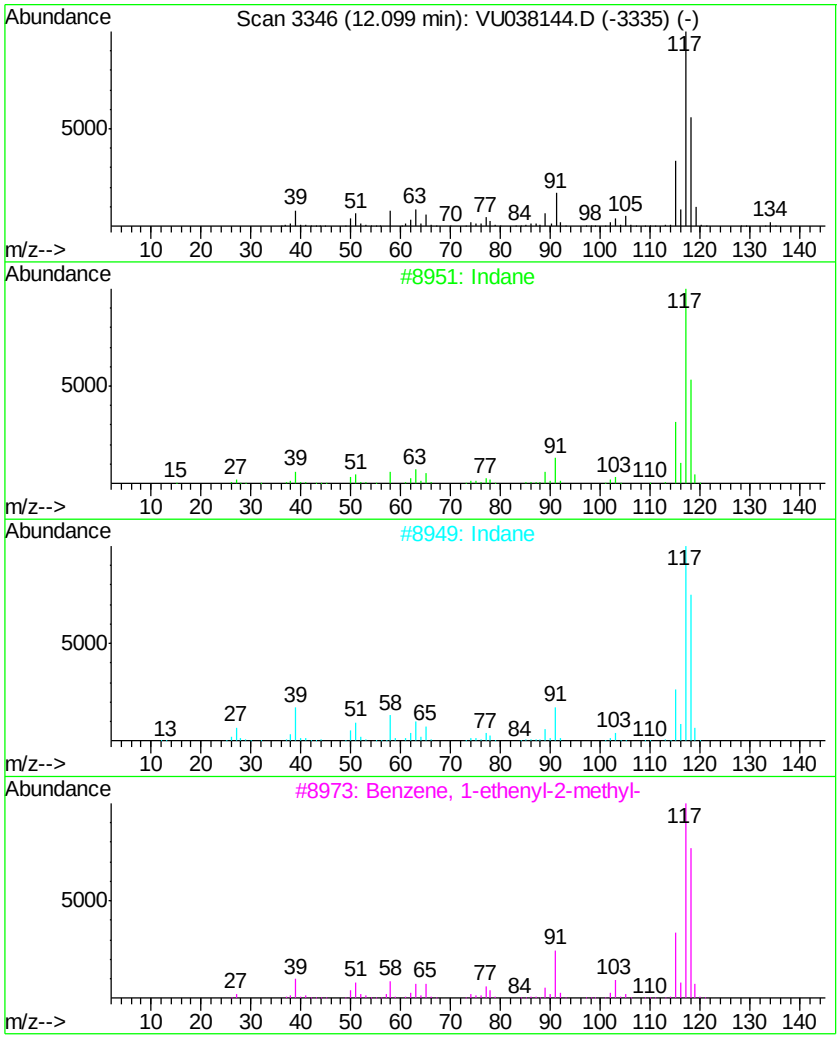
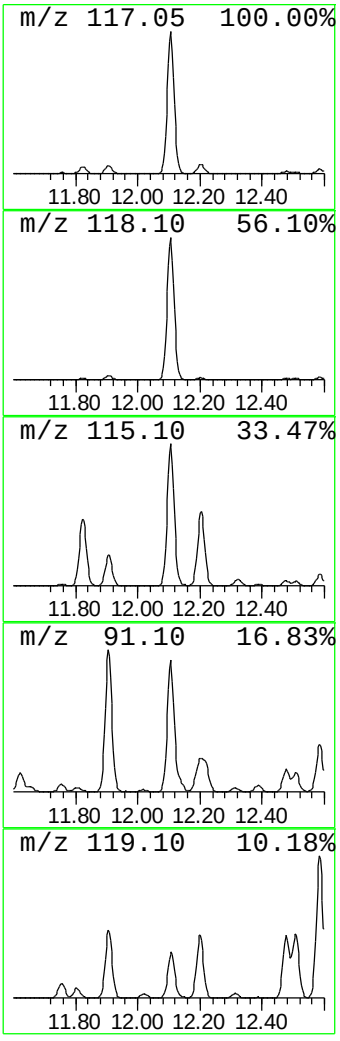
Peak Number 17 Indane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	4.58 ug/L	2459660	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	81
2	Indane	118	C9H10	000496-11-7	81
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	81
4	Indane	118	C9H10	000496-11-7	74
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	72





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Data File : VU038144.D
Acq On : 13 May 2020 15:30
Operator : JC/MD
Sample : L2630-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFX10

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

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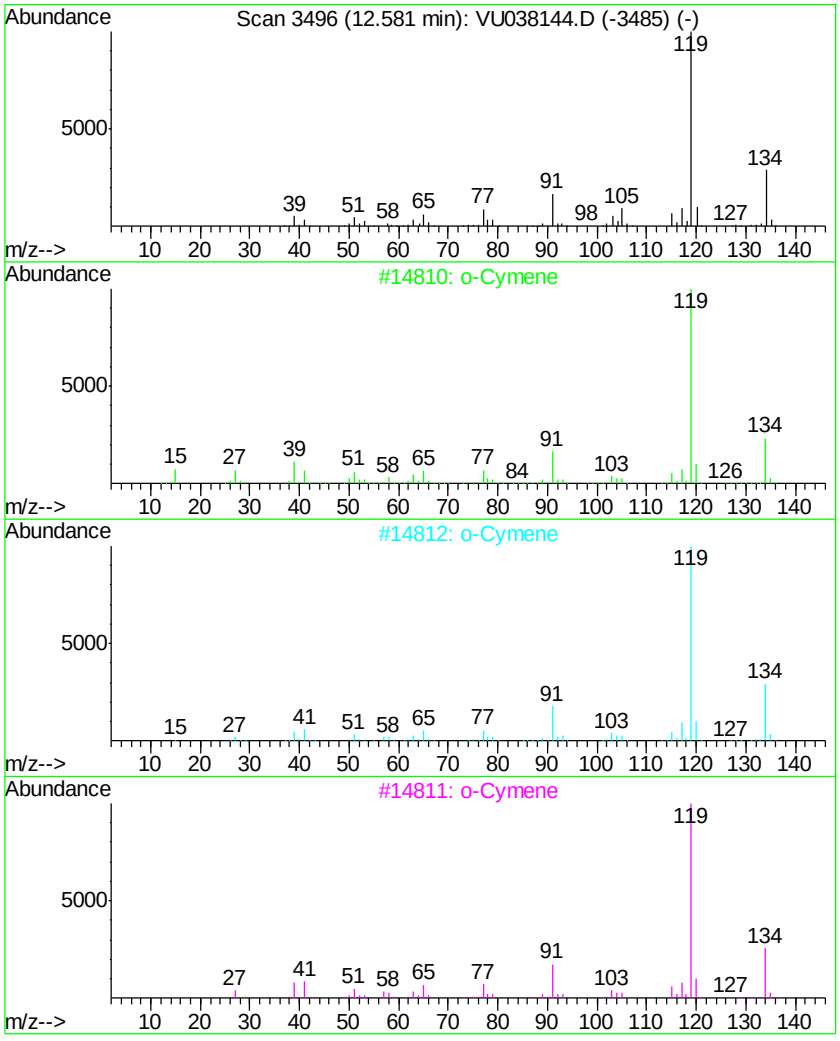
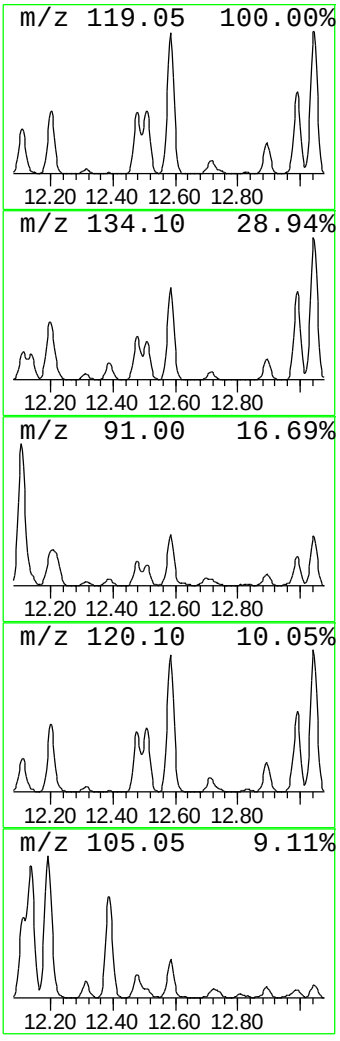
Peak Number 18 o-Cymene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.58	1.24 ug/L	665040	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	95
2	o-Cymene	134	C10H14	000527-84-4	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051320\
Data File : VU038144.D
Acq On : 13 May 2020 15:30
Operator : JC/MD
Sample : L2630-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFX10

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

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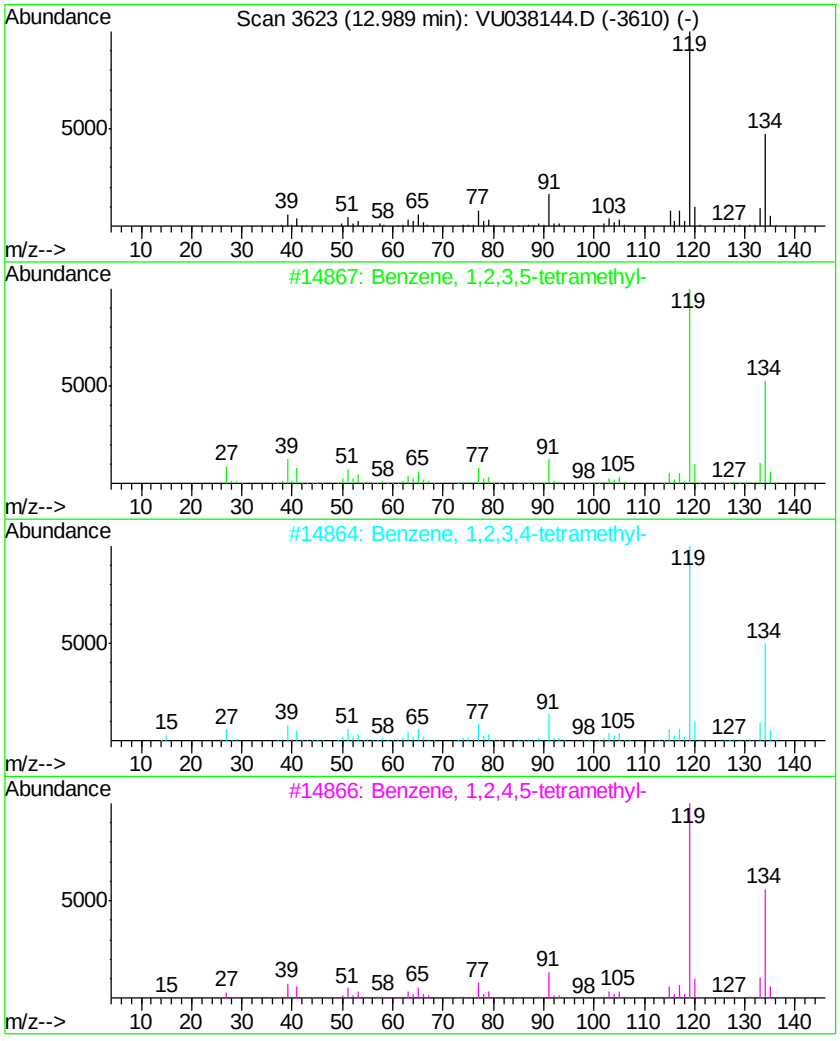
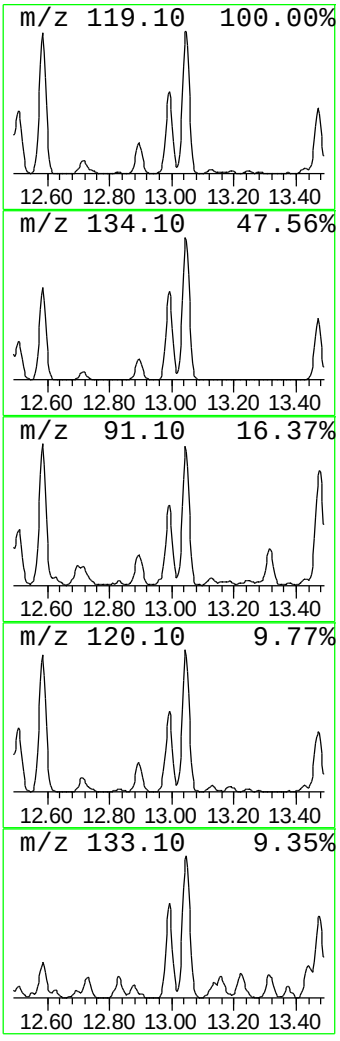
Peak Number 19 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.99	0.79 ug/L	424055	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051320\
Data File : VU038144.D
Acq On : 13 May 2020 15:30
Operator : JC/MD
Sample : L2630-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFX10

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

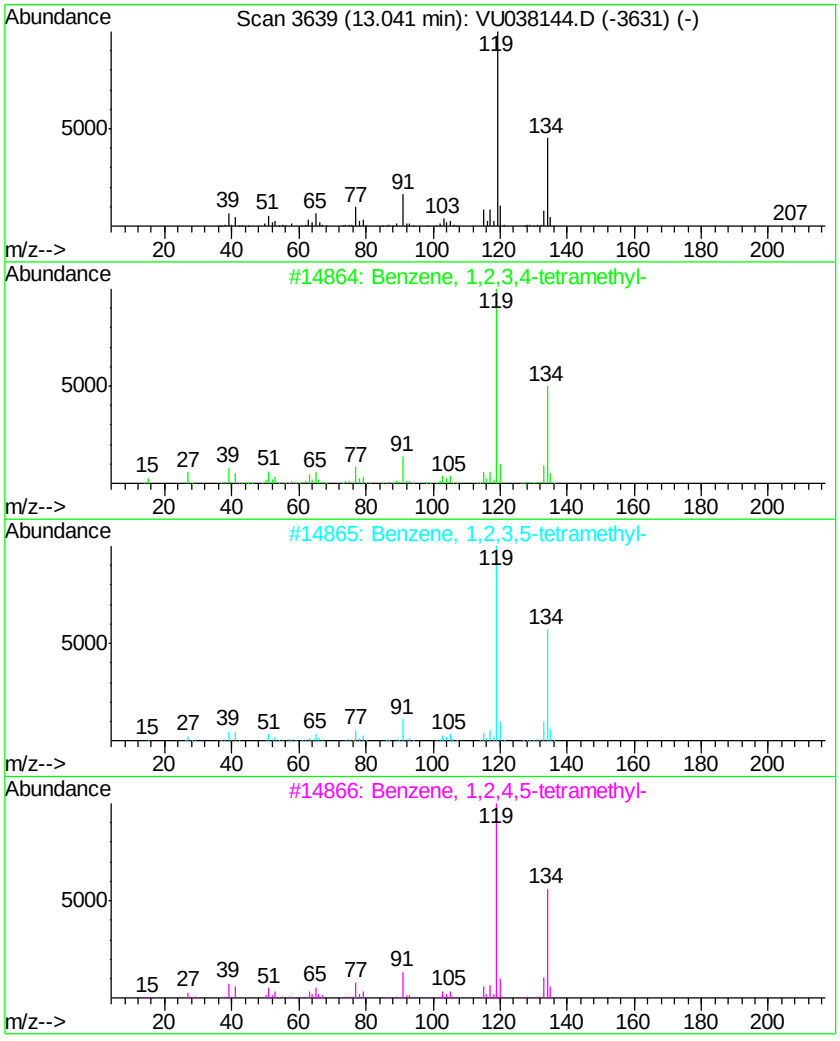
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

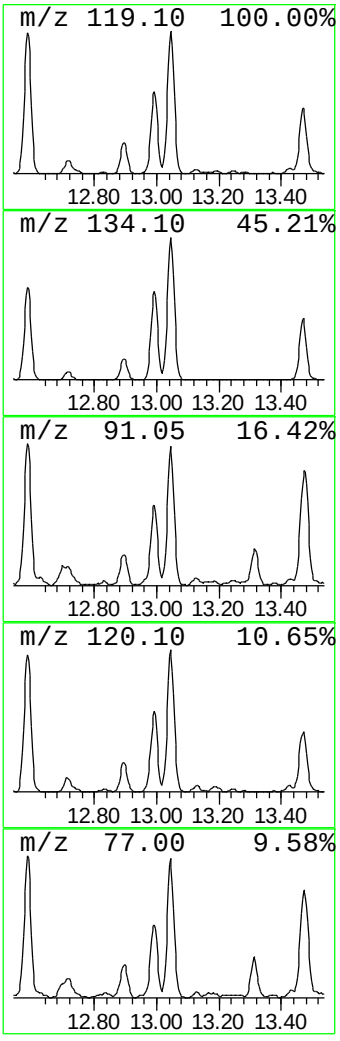
****

Peak Number 20 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.04	1.37 ug/L	735784	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051320\
Data File : VU038144.D
Acq On : 13 May 2020 15:30
Operator : JC/MD
Sample : L2630-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFX10

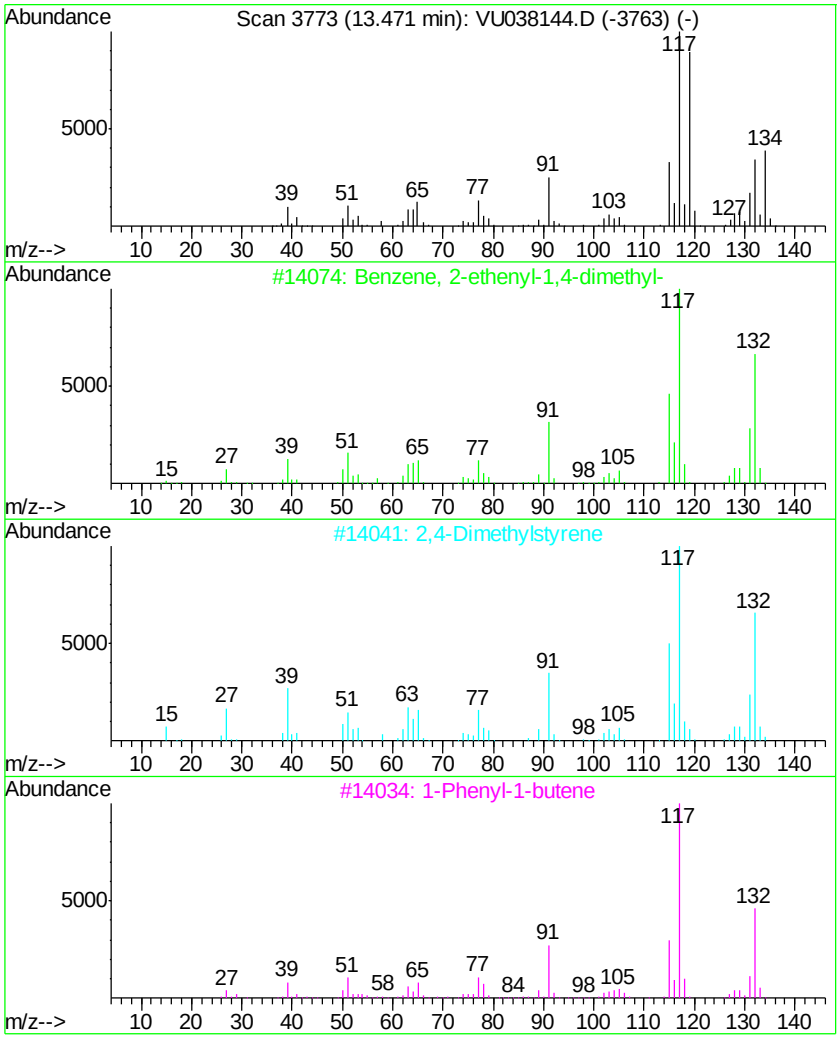
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

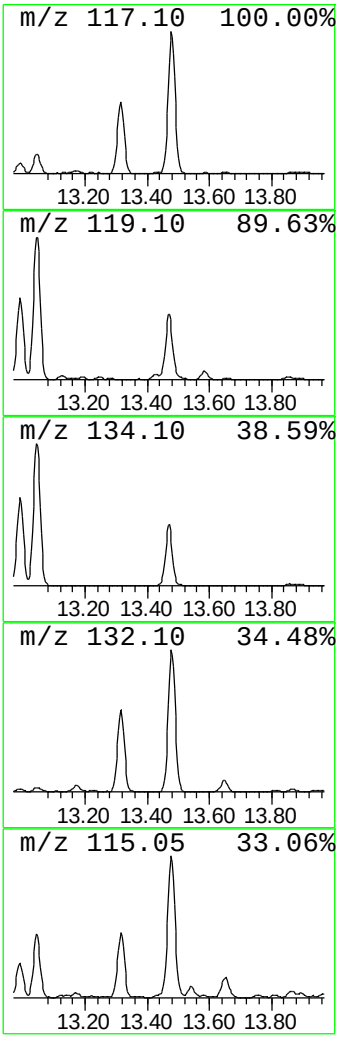
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.47	1.48 ug/L	793888	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
2	2,4-Dimethylstyrene	132	C10H12	002234-20-0	95
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	93
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	92
5	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051320\
Data File : VU038144.D
Acq On : 13 May 2020 15:30
Operator : JC/MD
Sample : L2630-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFX10

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
(DEL) Alkane: Str...	3.08	15.9	ug/L	2737680	1	6.28	858850	5.0
(DEL) Alkane: Str...	3.11	73.4	ug/L	12606000	1	6.28	858850	5.0
(DEL) Alkane: Str...	3.74	139.2	ug/L	23903500	1	6.28	858850	5.0
(DEL) Alkane: Str...	4.02	5.0	ug/L	860759	1	6.28	858850	5.0
(DEL) Alkane: Str...	4.13	4.4	ug/L	752511	1	6.28	858850	5.0
(DEL) Alkane: Str...	4.34	8.4	ug/L	1442470	1	6.28	858850	5.0
(DEL) Alkane: Str...	4.48	6.6	ug/L	1140600	1	6.28	858850	5.0
(DEL) Alkane: Cyc...	4.57	224.2	ug/L	38514000	1	6.28	858850	5.0
Benzene, propyl-	10.92	4.6	ug/L	2466450	3	11.83	2684210	5.0
Benzene, 1-ethyl-...	11.01	10.9	ug/L	5836860	3	11.83	2684210	5.0
Benzene, 1,2,3-tr...	11.10	5.9	ug/L	3147150	3	11.83	2684210	5.0
4-Heptanone, 2,6-...	11.24	21.3	ug/L	11446400	3	11.83	2684210	5.0
Mesitylene	11.30	8.7	ug/L	4663880	3	11.83	2684210	5.0
Benzene, 1,2,4-tr...	11.48	23.1	ug/L	12427100	3	11.83	2684210	5.0
2-Heptanone, 4,6-...	11.57	2.1	ug/L	1107680	3	11.83	2684210	5.0
Benzene, 1-ethyl-...	11.91	6.3	ug/L	3409440	3	11.83	2684210	5.0
Indane	12.10	4.6	ug/L	2459660	3	11.83	2684210	5.0
o-Cymene	12.58	1.2	ug/L	665040	3	11.83	2684210	5.0
Benzene, 1,2,3,5-...	12.99	0.8	ug/L	424055	3	11.83	2684210	5.0
Benzene, 1,2,3,4-...	13.04	1.4	ug/L	735784	3	11.83	2684210	5.0
Benzene, 2-etheny...	13.47	1.5	ug/L	793888	3	11.83	2684210	5.0