LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091919\
Data File : VU034665.D
Acq On : 19 Sep 2019 22:36
Operator : JC/SP
Sample : K4895-11
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH6

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 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\SOMULM091919WMA.M
Title : VOC Analysis

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.177	21	27	32	rBV	11206	10315	0.27%	0.025%
2	1.396	82	95	109	rBV	373284	409388	10.63%	0.984%
3	1.466	112	117	126	rVV	25699	29992	0.78%	0.072%
4	1.540	132	140	146	rBV	31834	45307	1.18%	0.109%
5	1.672	173	181	192	rBV	282784	355113	9.22%	0.854%
6	2.257	353	363	373	rBV	496584	757578	19.68%	1.822%
7	2.306	373	378	391	rVB	45851	72063	1.87%	0.173%
8	2.685	486	496	511	rVB3	16654	30728	0.80%	0.074%
9	2.810	533	535	544	rVB7	4618	5284	0.14%	0.013%
10	2.984	582	589	597	rVB9	4663	7489	0.19%	0.018%
11	3.177	640	649	661	rVB7	5366	12859	0.33%	0.031%
12	3.283	674	682	693	rVB7	3791	7910	0.21%	0.019%
13	4.068	915	926	938	rBV4	11342	26254	0.68%	0.063%
14	4.151	940	952	981	rBV	213258	594903	15.45%	1.430%
15	4.624	1082	1099	1119	rBV2	367196	881144	22.89%	2.119%
16	4.752	1131	1139	1152	rVB9	7085	14949	0.39%	0.036%
17	4.974	1195	1208	1219	rBV4	16128	36898	0.96%	0.089%
18	5.315	1290	1314	1351	rBV3	776896	2421834	62.91%	5.823%
19	5.527	1368	1380	1400	rBV	96467	203379	5.28%	0.489%
20	5.772	1449	1456	1464	rVB9	4754	7271	0.19%	0.017%
21	5.865	1471	1485	1507	rBV	630107	1280310	33.26%	3.078%
22	6.167	1568	1579	1582	rBV10	11857	17762	0.46%	0.043%
23	6.309	1607	1623	1639	rBV	532510	1082743	28.13%	2.603%
24	6.402	1643	1652	1677	rVB7	30619	84450	2.19%	0.203%
25	6.524	1680	1690	1694	rBV5	6255	12191	0.32%	0.029%
26	6.559	1695	1701	1703	rBV	12386	13835	0.36%	0.033%
27	6.682	1727	1739	1769	rBV	2104436	3849531	100.00%	9.256%
28	7.051	1840	1854	1864	rVB7	9740	22455	0.58%	0.054%
29	7.206	1890	1902	1923	rVV	313700	578410	15.03%	1.391%
30	7.399	1951	1962	1971	rBV	256401	444369	11.54%	1.068%
31	7.543	1992	2007	2018	rBV	1050531	1862639	48.39%	4.479%
32	7.614	2018	2029	2047	rVB	1825376	3129953	81.31%	7.526%
33	7.826	2085	2095	2113	rBV2	285607	515850	13.40%	1.240%
34	8.135	2179	2191	2207	rBV	412332	694604	18.04%	1.670%

LSC Area Percent Report

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Operator : JC/SP
Sample : K4895-11
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH6

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 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\SOMULM091919WMA.M
Title : VOC Analysis

35	8.212	2207	2215	2218	rBV3	27093	36266	0.94%	0.087%
36	8.241	2219	2224	2230	rVV2	47097	65488	1.70%	0.157%
37	8.289	2230	2239	2262	rVV	860261	1487101	38.63%	3.576%
38	8.395	2262	2272	2288	rVV	690443	1088734	28.28%	2.618%
39	8.508	2300	2307	2328	rVB	40660	78980	2.05%	0.190%
40	8.884	2411	2424	2449	rBV	841829	1368455	35.55%	3.290%
41	9.067	2459	2481	2507	rBV	961909	1701754	44.21%	4.092%
42	9.228	2521	2531	2549	rBV	263360	427263	11.10%	1.027%
43	9.350	2553	2569	2588	rBV	973431	1646374	42.77%	3.959%
44	9.585	2634	2642	2655	rBV4	20750	35466	0.92%	0.085%
45	9.755	2676	2695	2720	rBV	867236	1477213	38.37%	3.552%
46	9.919	2736	2746	2752	rVV5	7835	14534	0.38%	0.035%
47	10.019	2770	2777	2787	rBV5	7836	16604	0.43%	0.040%
48	10.144	2805	2816	2829	rVB3	33950	59345	1.54%	0.143%
49	10.302	2861	2865	2870	rVB6	5447	4822	0.13%	0.012%
50	10.353	2873	2881	2886	rVB9	4242	5095	0.13%	0.012%
51	10.408	2886	2898	2915	rBV	690355	1116216	29.00%	2.684%
52	10.566	2934	2947	2963	rVV2	71269	128091	3.33%	0.308%
53	10.659	2963	2976	2994	rVV2	335277	744436	19.34%	1.790%
54	10.749	2994	3004	3027	rVB	262431	419706	10.90%	1.009%
55	10.897	3039	3050	3057	rBV2	24901	44666	1.16%	0.107%
56	10.948	3057	3066	3086	rVB2	239897	398651	10.36%	0.959%
57	11.070	3097	3104	3107	rBV8	4864	6069	0.16%	0.015%
58	11.125	3109	3121	3136	rVV	843834	1295320	33.65%	3.114%
59	11.267	3160	3165	3169	rBV4	4303	5534	0.14%	0.013%
60	11.405	3199	3208	3214	rBV	37296	53080	1.38%	0.128%
61	11.460	3214	3225	3241	rVV	932310	1518848	39.46%	3.652%
62	11.546	3241	3252	3268	rVB	464948	725725	18.85%	1.745%
63	11.742	3302	3313	3322	rBV2	208724	377480	9.81%	0.908%
64	11.784	3322	3326	3332	rVV	66705	94500	2.45%	0.227%
65	11.836	3332	3342	3366	rVB2	1024663	1890288	49.10%	4.545%
66	11.958	3373	3380	3391	rVV3	36063	56938	1.48%	0.137%
67	12.032	3395	3403	3414	rVB2	44367	70677	1.84%	0.170%
68	12.122	3421	3431	3436	rBV2	80017	128149	3.33%	0.308%
69	12.154	3437	3441	3451	rVB	79813	105846	2.75%	0.254%
70	12.228	3455	3464	3472	rBV	124224	200402	5.21%	0.482%
71	12.331	3487	3496	3530	rVB2	108530	254059	6.60%	0.611%

LSC Area Percent Report

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Operator : JC/SP
Sample : K4895-11
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH6

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 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\SOMULM091919WMA.M
Title : VOC Analysis

72	12.472	3530	3540	3546	rBV2	14933	24499	0.64%	0.059%
73	12.530	3548	3558	3567	rVV4	56741	96531	2.51%	0.232%
74	12.595	3568	3578	3582	rVV2	60146	95938	2.49%	0.231%
75	12.627	3583	3588	3596	rVV	102576	150526	3.91%	0.362%
76	12.681	3596	3605	3620	rVB	163654	260130	6.76%	0.625%
77	12.768	3625	3632	3636	rBV5	15162	20217	0.53%	0.049%
78	12.945	3678	3687	3703	rVB2	84397	134105	3.48%	0.322%
79	13.009	3703	3707	3713	rVB8	8026	8655	0.22%	0.021%
80	13.099	3716	3735	3747	rBV3	265538	457521	11.89%	1.100%
81	13.215	3765	3771	3777	rBV2	10955	15484	0.40%	0.037%
82	13.270	3778	3788	3803	rVB3	53465	96312	2.50%	0.232%
83	13.376	3811	3821	3832	rBV6	48036	90364	2.35%	0.217%
84	13.434	3832	3839	3846	rVV2	31319	41613	1.08%	0.100%
85	13.488	3848	3856	3872	rVV4	43639	83603	2.17%	0.201%
86	13.559	3872	3878	3881	rBV4	11169	13073	0.34%	0.031%
87	13.585	3881	3886	3894	rVB3	21713	27586	0.72%	0.066%
88	13.720	3916	3928	3956	rVV	344844	636315	16.53%	1.530%
89	13.845	3959	3967	3982	rVV2	21393	51884	1.35%	0.125%
90	13.926	3983	3992	4006	rVV2	15371	44759	1.16%	0.108%
91	13.987	4006	4011	4023	rVV5	14594	26516	0.69%	0.064%
92	14.131	4046	4056	4070	rVV3	26371	48703	1.27%	0.117%
93	14.315	4105	4113	4127	rVB6	25500	53706	1.40%	0.129%
94	14.456	4149	4157	4164	rVV5	13191	19813	0.51%	0.048%
95	14.520	4169	4177	4187	rVB5	22961	40296	1.05%	0.097%
96	14.630	4205	4211	4213	rBV7	3979	4713	0.12%	0.011%
97	14.800	4258	4264	4271	rBV8	8314	11927	0.31%	0.029%
98	14.858	4272	4282	4303	rBV2	82675	172362	4.48%	0.414%
99	15.041	4329	4339	4357	rBV	99253	182820	4.75%	0.440%
100	16.048	4645	4652	4660	rBV	7873	12211	0.32%	0.029%

Sum of corrected areas: 41590117

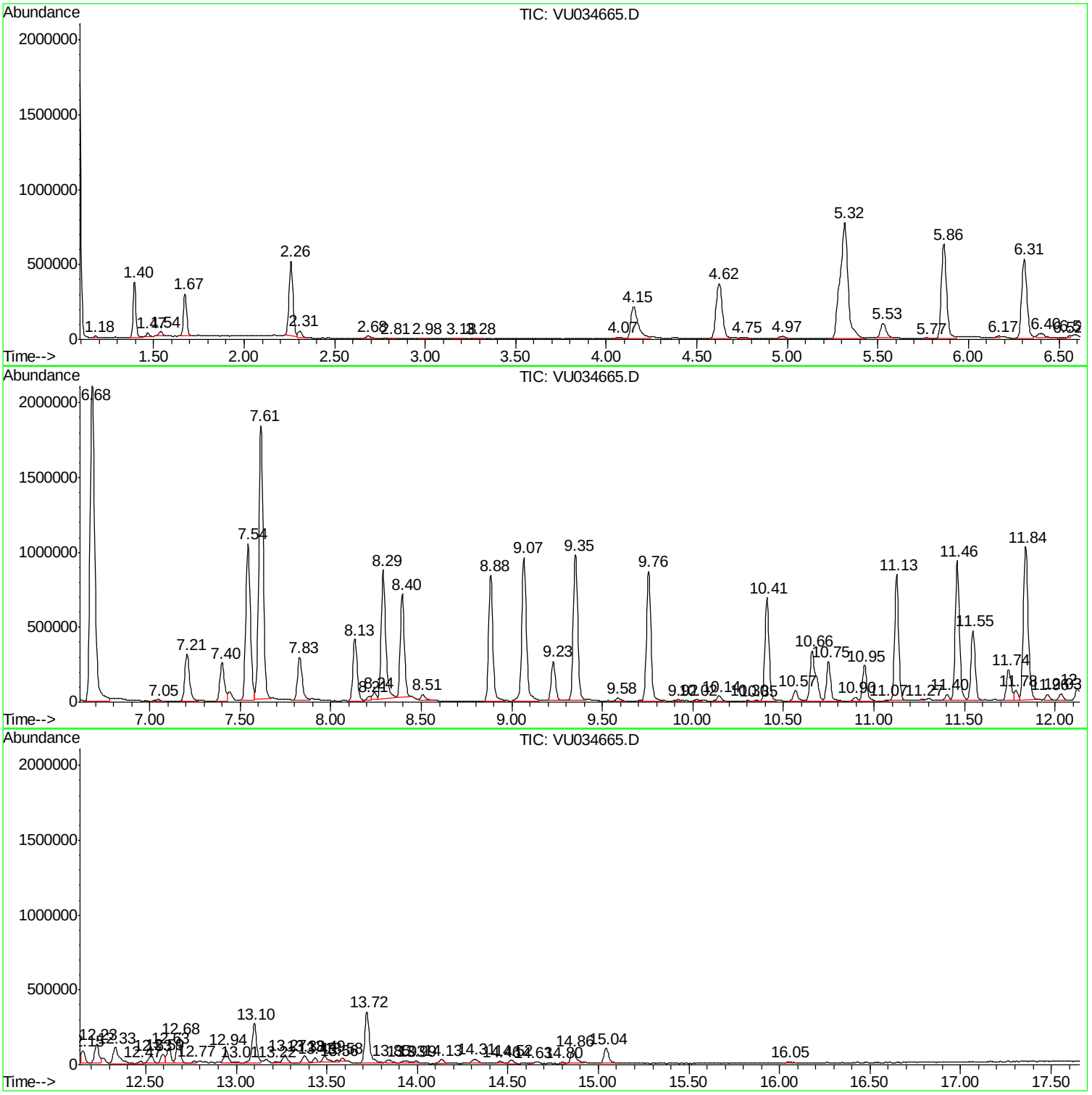
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034665.D
Acq On : 19 Sep 2019 22:36
Operator : JC/SP
Sample : K4895-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091919\
Data File : VU034665.D
Acq On : 19 Sep 2019 22:36
Operator : JC/SP
Sample : K4895-11
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

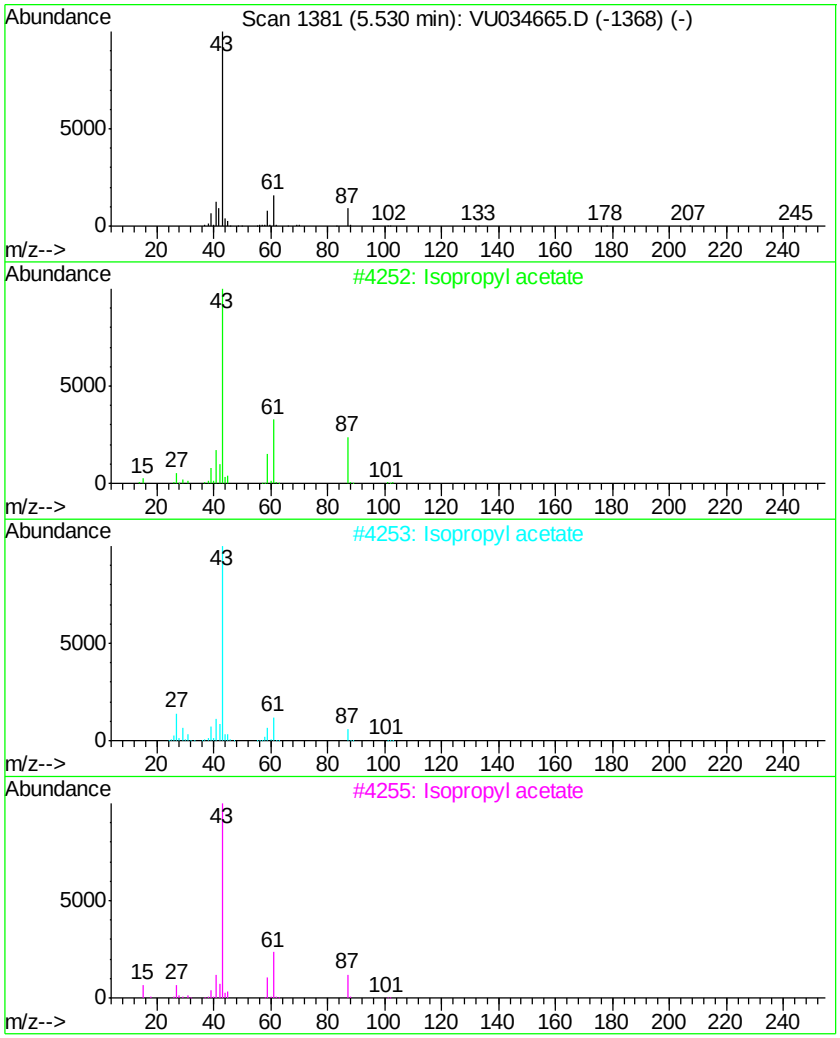
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

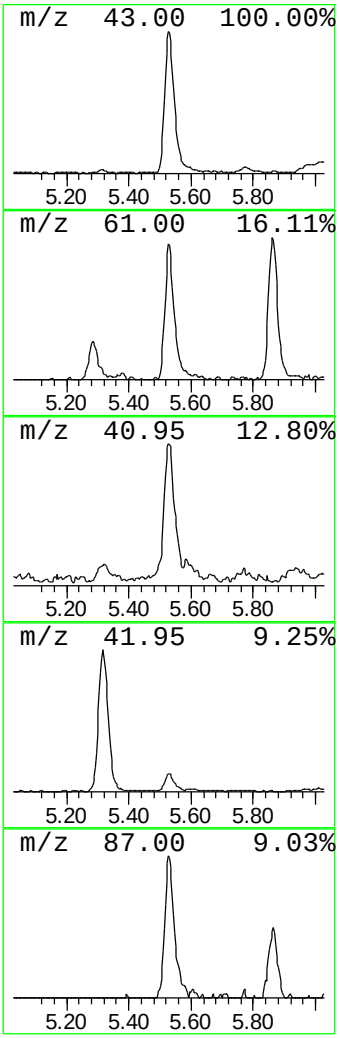
****

Peak Number 1 Isopropyl acetate Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.53	7.94 ug/L	203379	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropyl acetate	102	C5H10O2	000108-21-4	72
2	Isopropyl acetate	102	C5H10O2	000108-21-4	72
3	Isopropyl acetate	102	C5H10O2	000108-21-4	56
4	Isopropyl acetate	102	C5H10O2	000108-21-4	53
5	Acetaldehyde, O-ethyloxime-	87	C4H9NO	1000288-34-6	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034665.D
Acq On : 19 Sep 2019 22:36
Operator : JC/SP
Sample : K4895-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

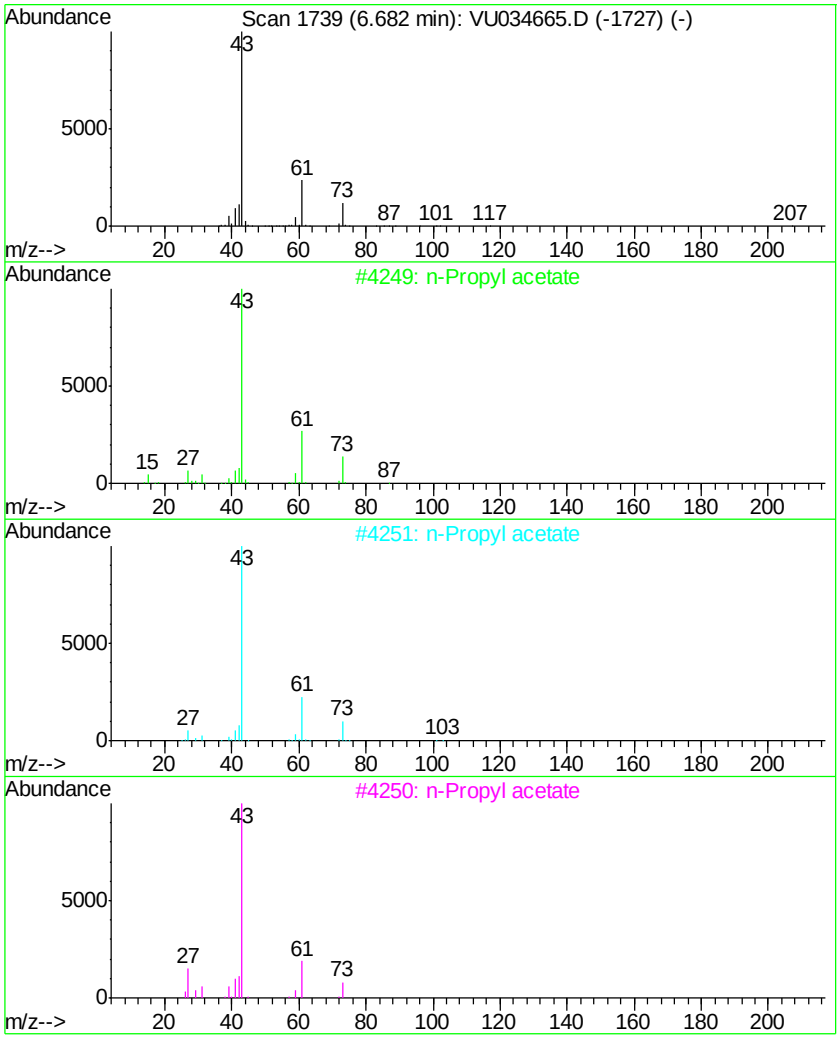
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

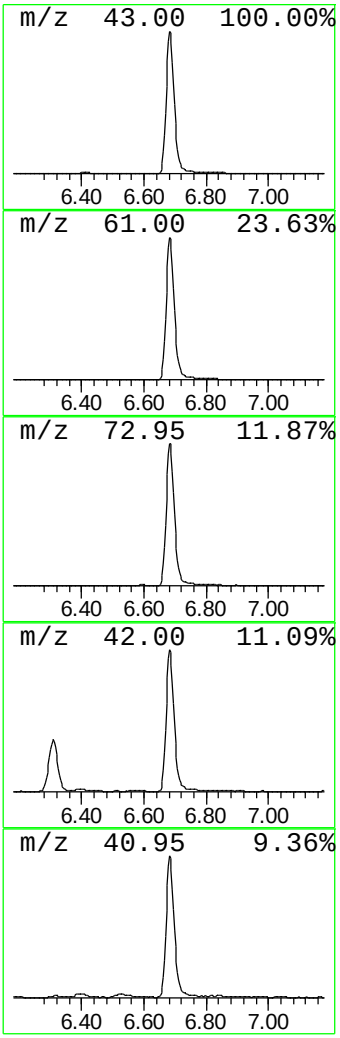
****

Peak Number 2 n-Propyl acetate Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	150.34 ug/L	3849530	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Propyl acetate	102	C5H10O2	000109-60-4	83
2	n-Propyl acetate	102	C5H10O2	000109-60-4	78
3	n-Propyl acetate	102	C5H10O2	000109-60-4	72
4	Isopropyl acetate	102	C5H10O2	000108-21-4	38
5	Isopropyl acetate	102	C5H10O2	000108-21-4	9





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Instrument : MSVOA_U
ClientSampleId : BFDH6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

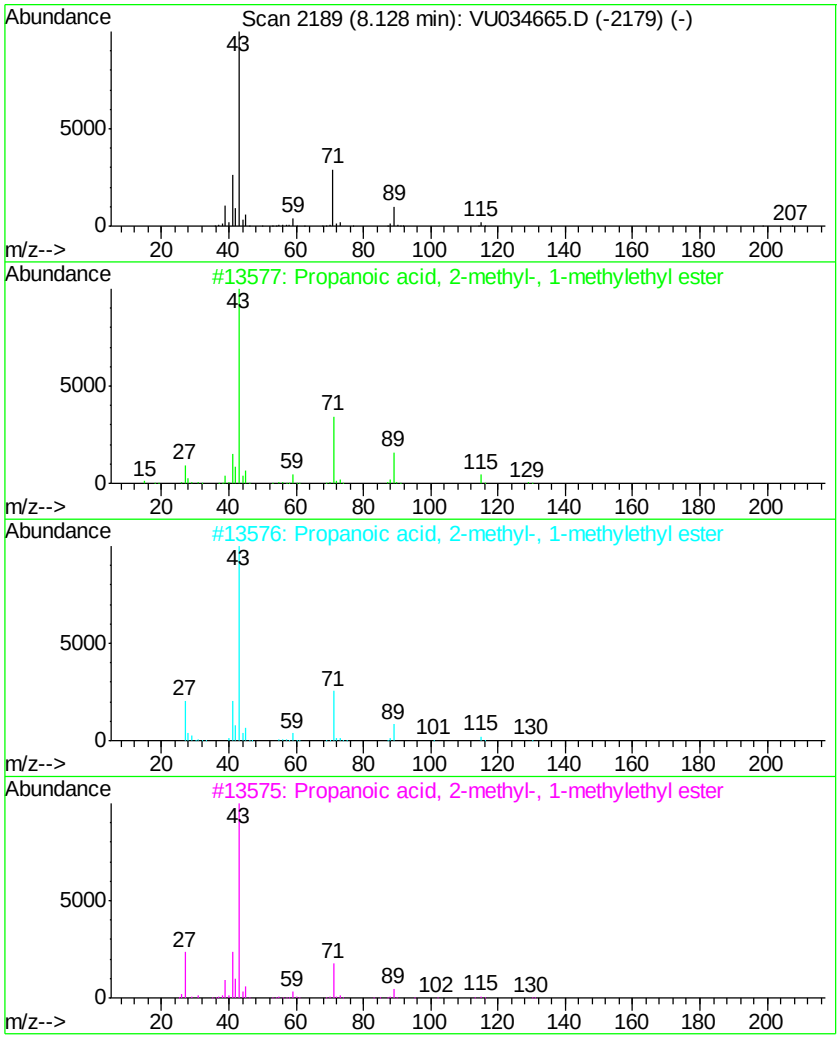
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

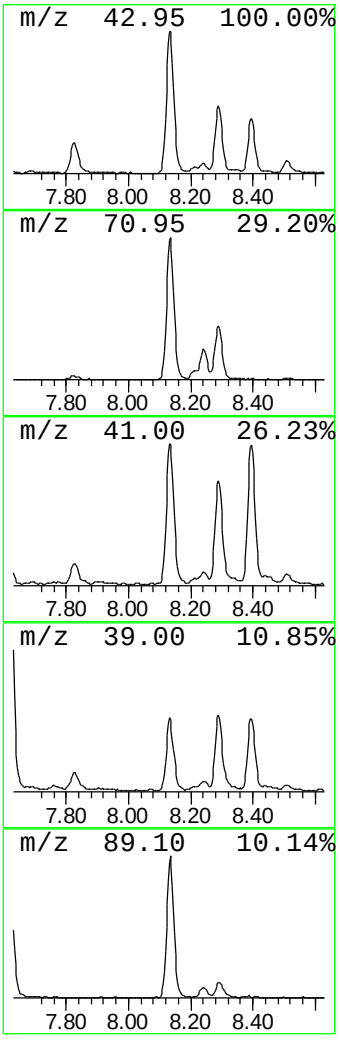
****

Peak Number 4 Propanoic acid, 2-methyl-, ... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.13	20.41 ug/L	694604	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	83
2	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	83
3	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	59
4	N-Hydroxymethylacetamide	89	C3H7NO2	000625-51-4	38
5	3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	36





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Data File : VU034665.D
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Sample : K4895-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

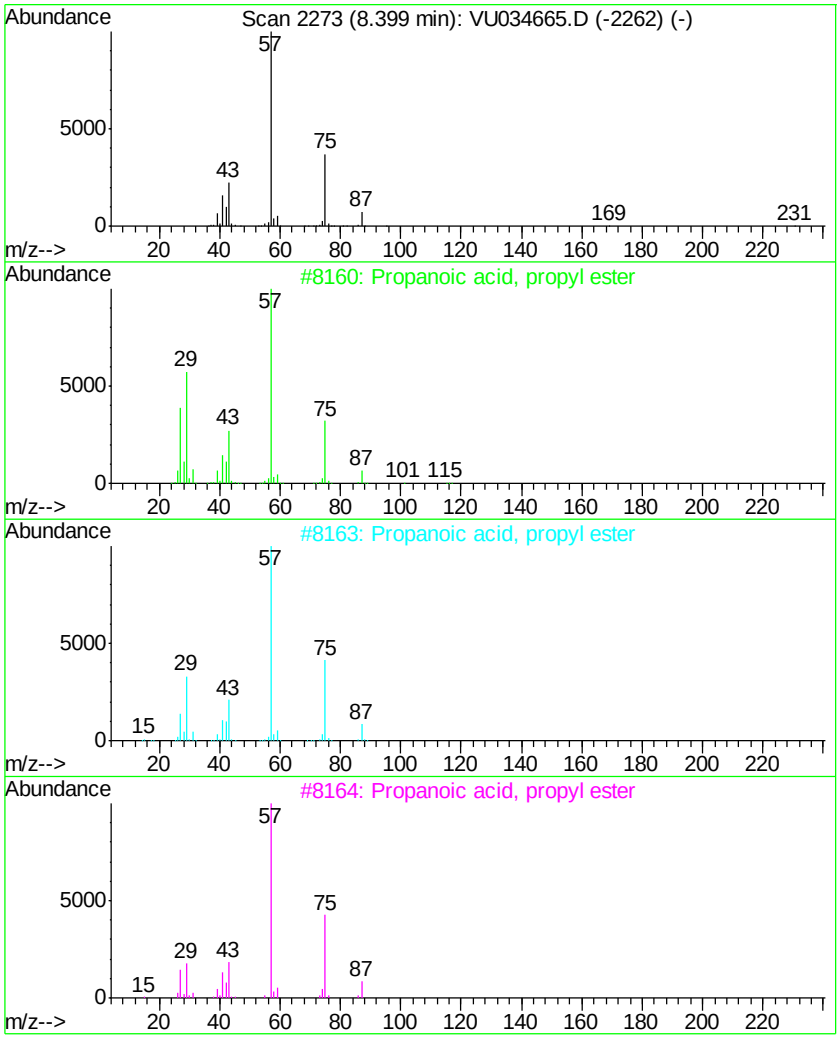
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

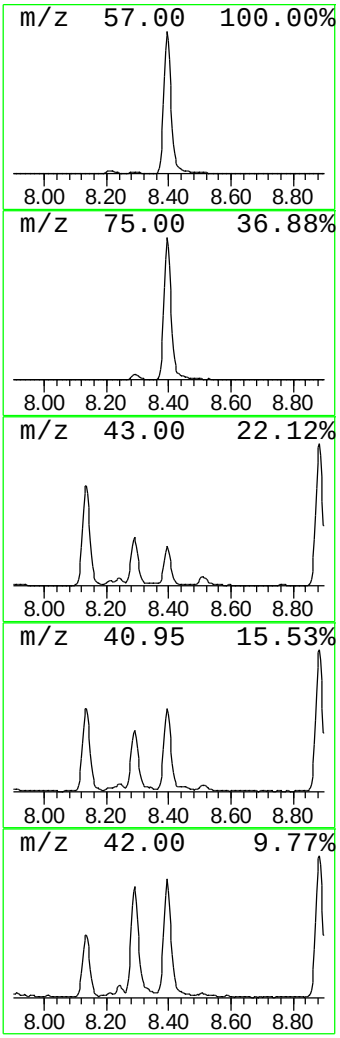
****

Peak Number 5 Propanoic acid, propyl ester Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.40	31.99 ug/L	1088730	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	83
2	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	83
3	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	72
4	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	64
5	Azetidine	57	C3H7N	000503-29-7	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091919\
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Acq On : 19 Sep 2019 22:36
Operator : JC/SP
Sample : K4895-11
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

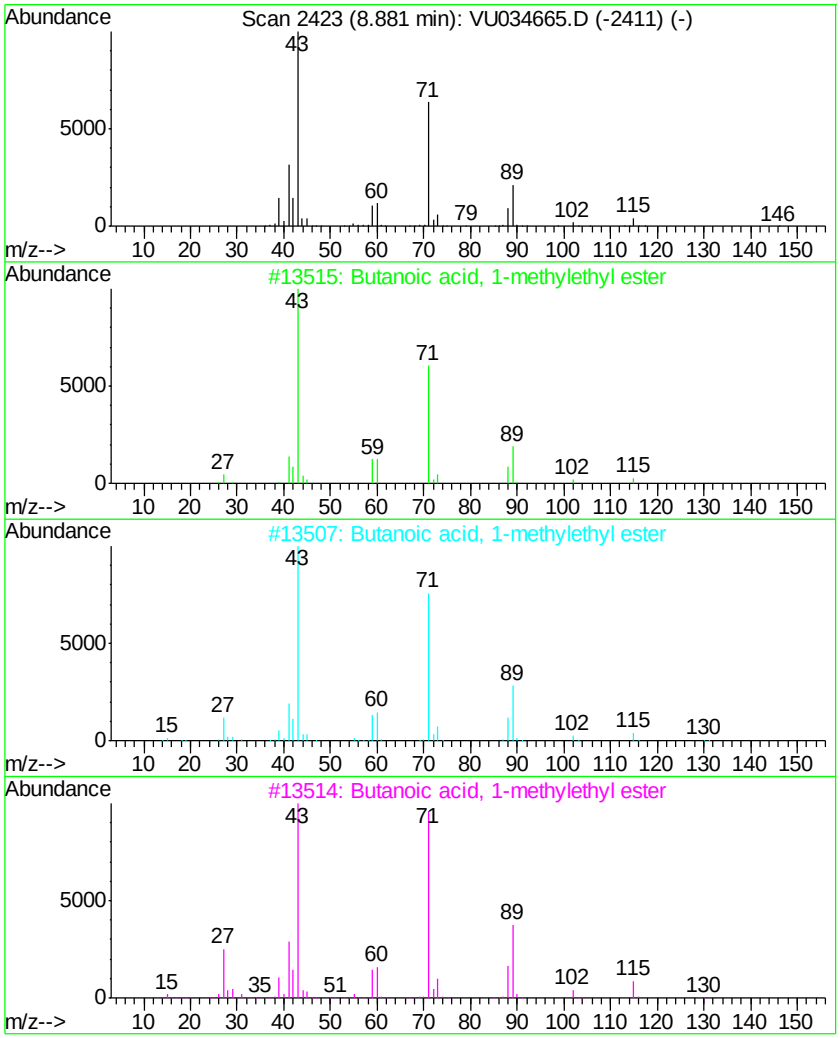
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

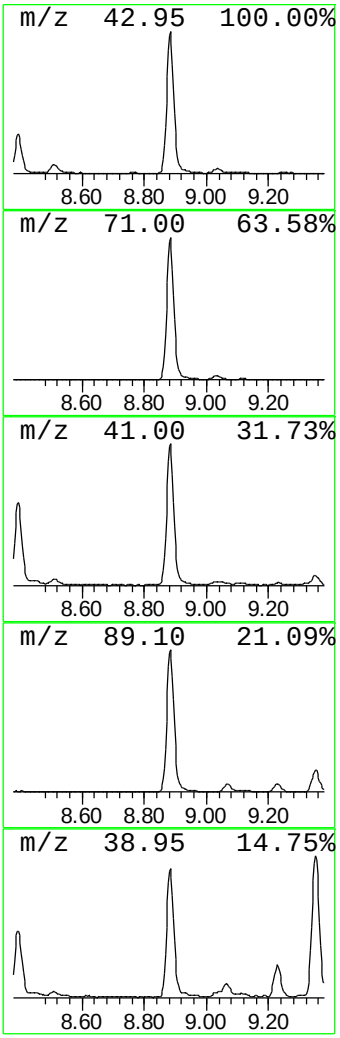
****

Peak Number 6 Butanoic acid, 1-methylethy... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.88	40.21 ug/L	1368460	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	90
2	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	90
3	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	78
4	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	78
5	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091919\
Data File : VU034665.D
Acq On : 19 Sep 2019 22:36
Operator : JC/SP
Sample : K4895-11
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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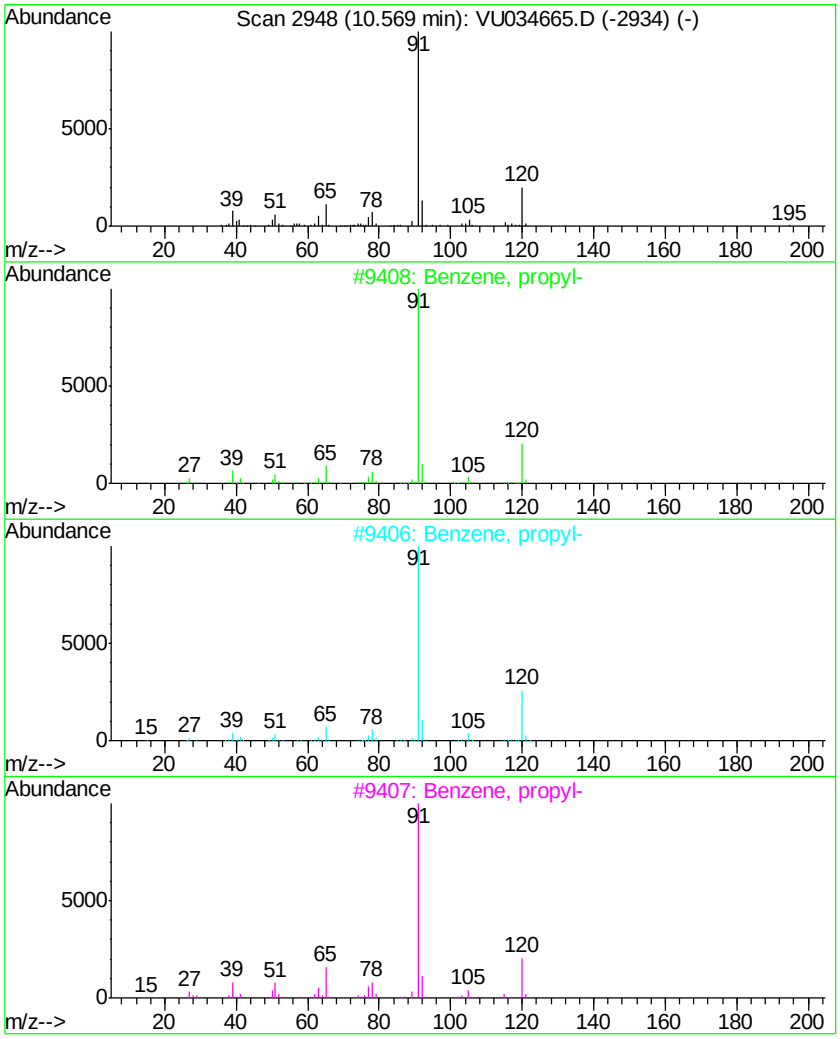
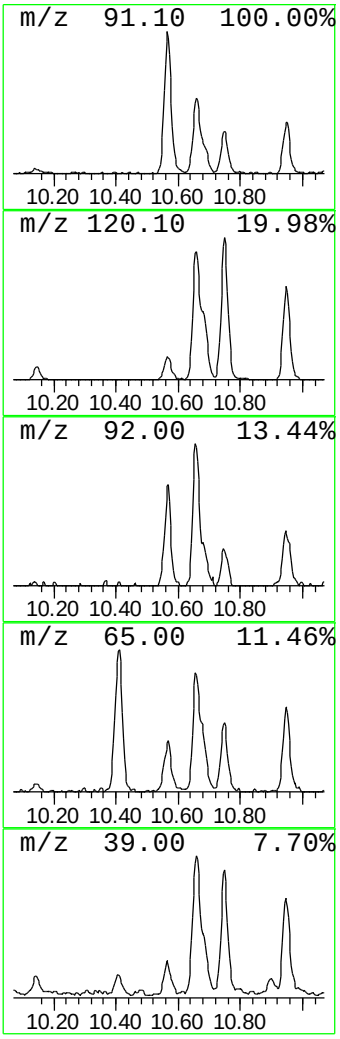
Peak Number 7 Benzene, propyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.57	4.22 ug/L	128091	1,4-Dichlorobenzene-d4	11.46

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	87
3	Benzene, propyl-	120	C9H12	000103-65-1	87
4	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	78
5	Propanenitrile, 3-[(phenylmethyl...	160	C10H12N2	000706-03-6	64





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Sample : K4895-11
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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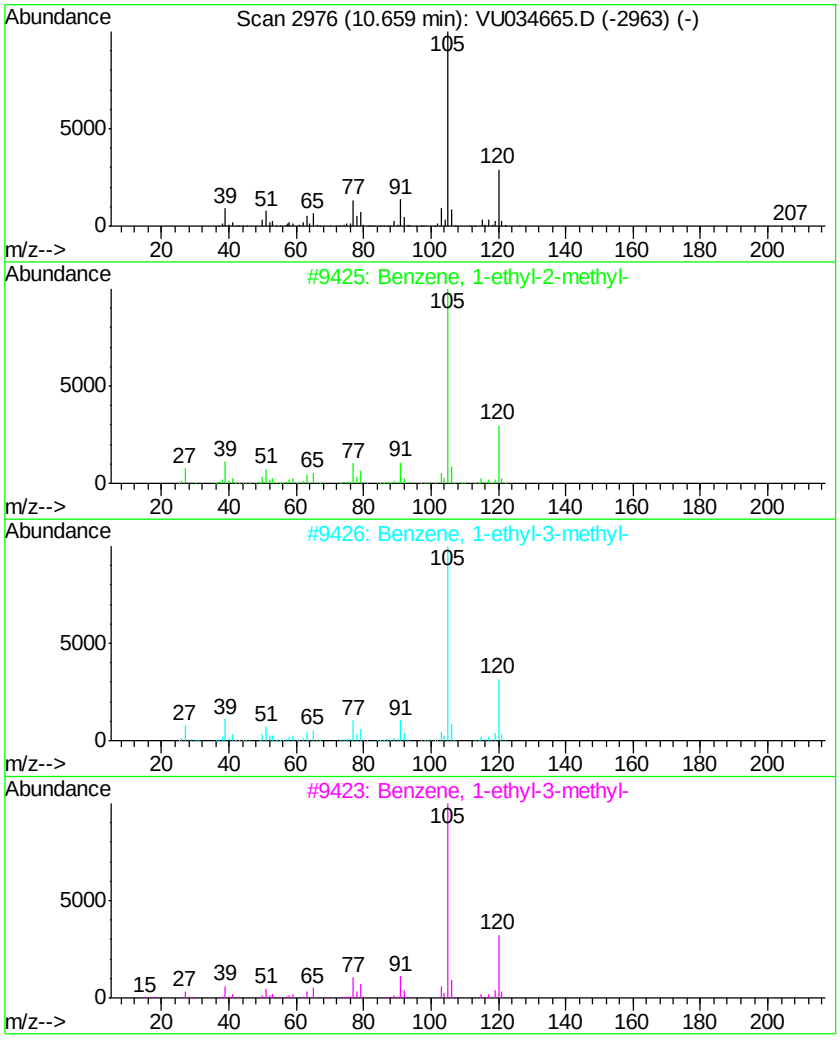
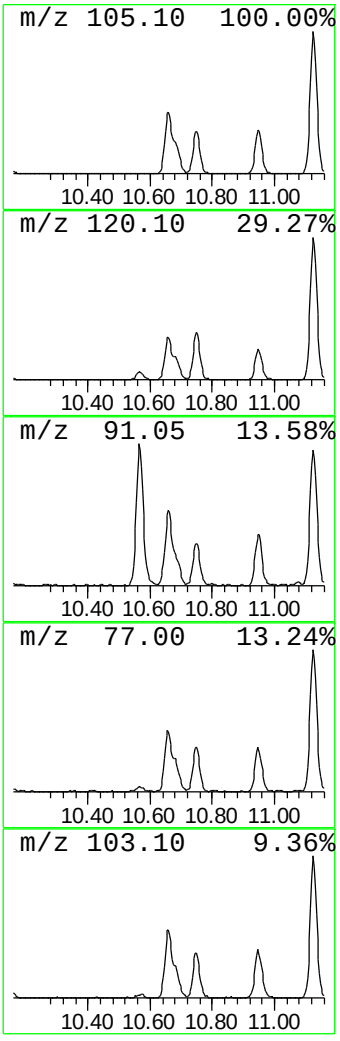
Peak Number 8 Benzene, 1-ethyl-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	24.51 ug/L	744436	1,4-Dichlorobenzene-d4	11.46

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-3-methyl-	120	C9H12	000620-14-4	94
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
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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Sample : K4895-11
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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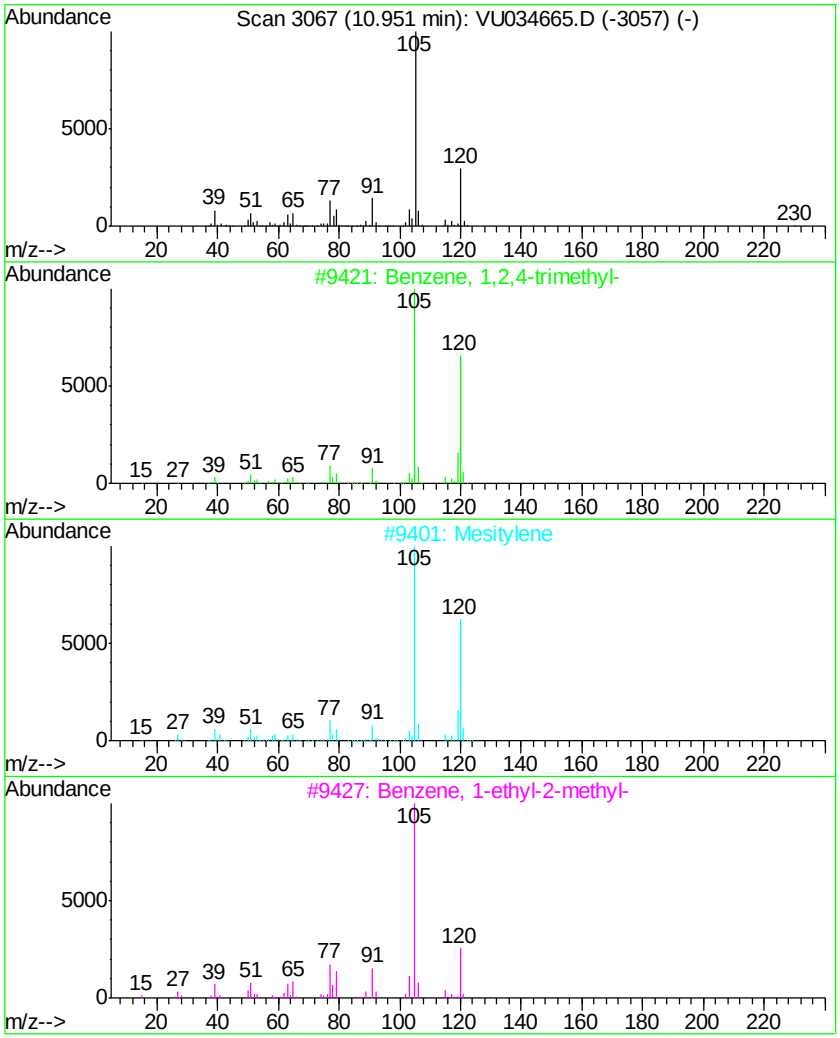
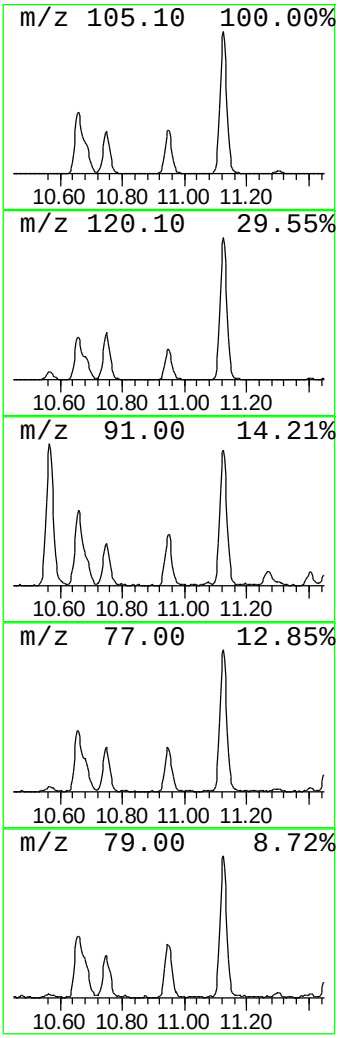
Peak Number 10 Benzene, 1,2,4-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.95	13.12 ug/L	398651	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90
2	Mesitylene	120	C9H12	000108-67-8	90
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90





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Acq On : 19 Sep 2019 22:36
Operator : JC/SP
Sample : K4895-11
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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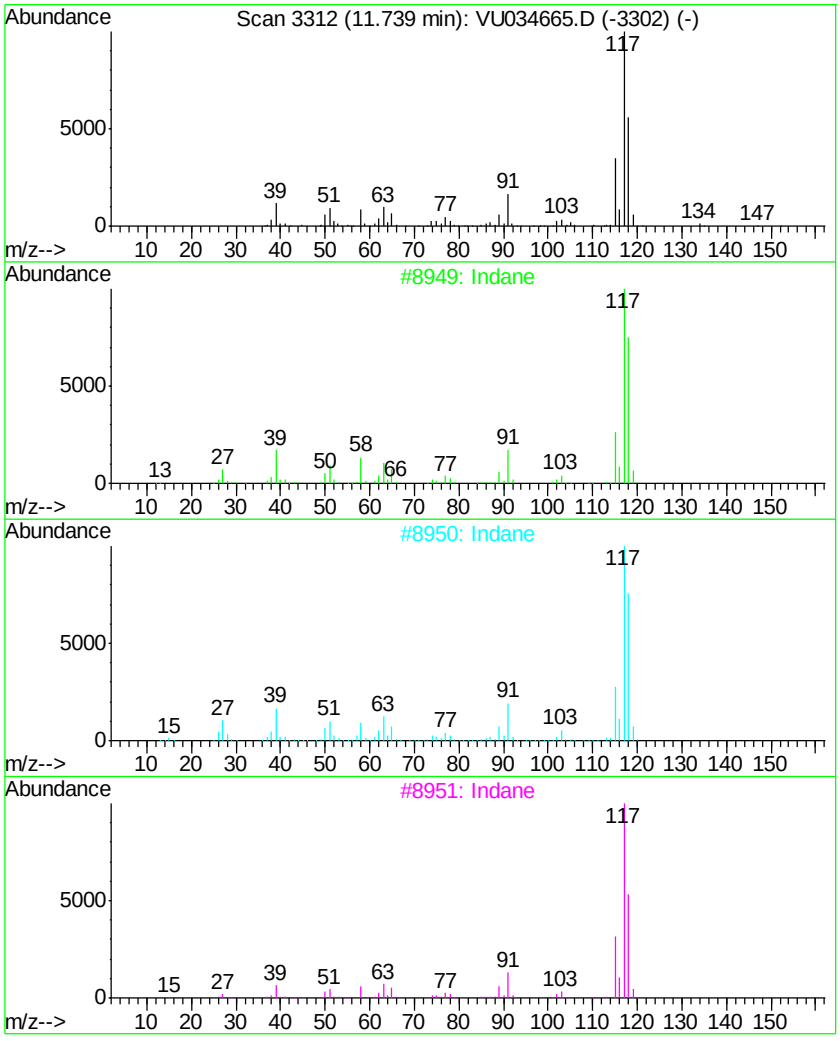
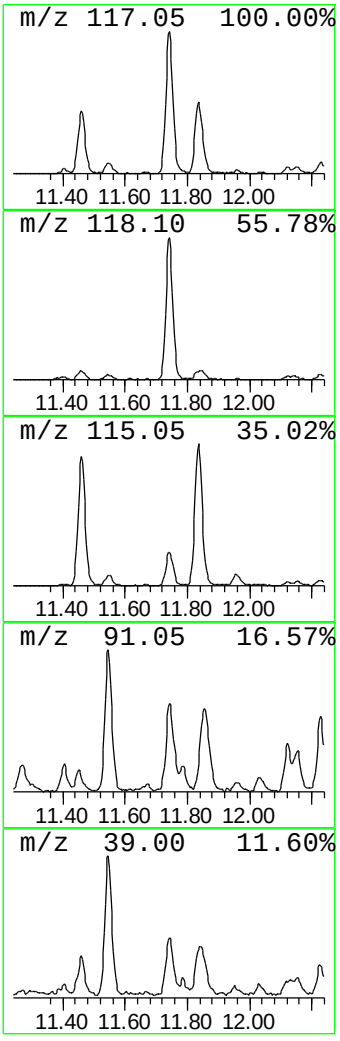
Peak Number 13 Indane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	12.43 ug/L	377480	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	91
2	Indane	118	C9H10	000496-11-7	90
3	Indane	118	C9H10	000496-11-7	87
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	83
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	83





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Acq On : 19 Sep 2019 22:36
Operator : JC/SP
Sample : K4895-11
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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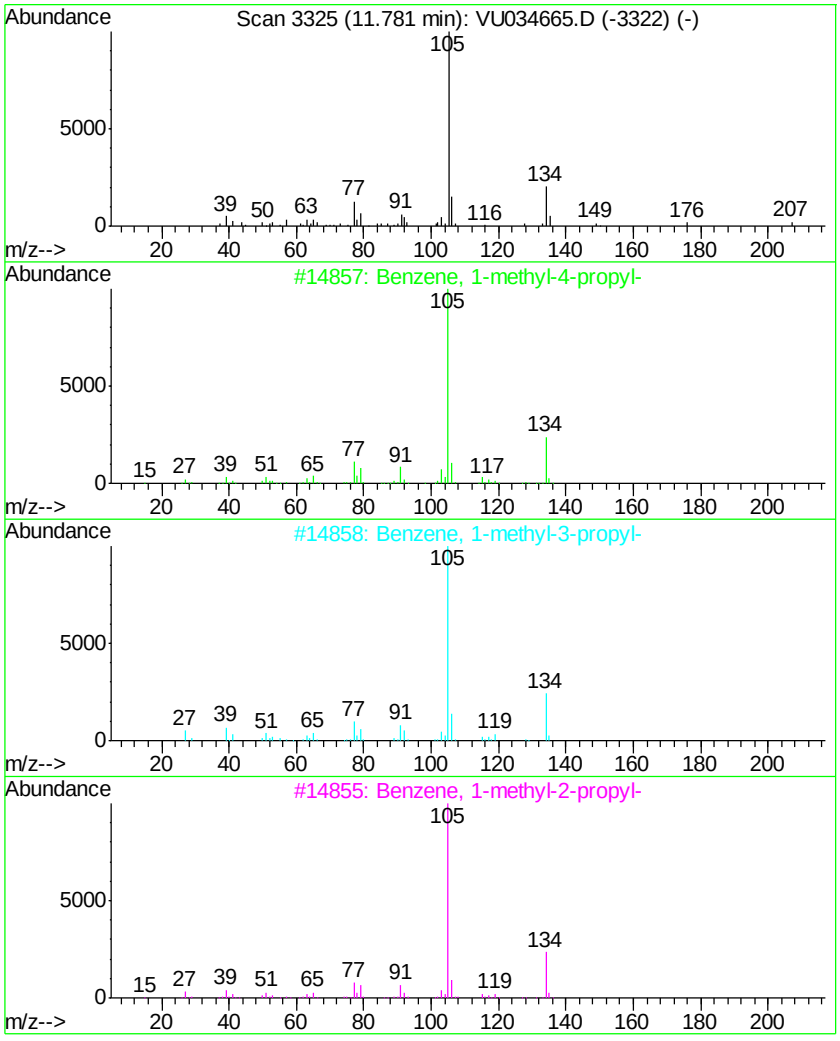
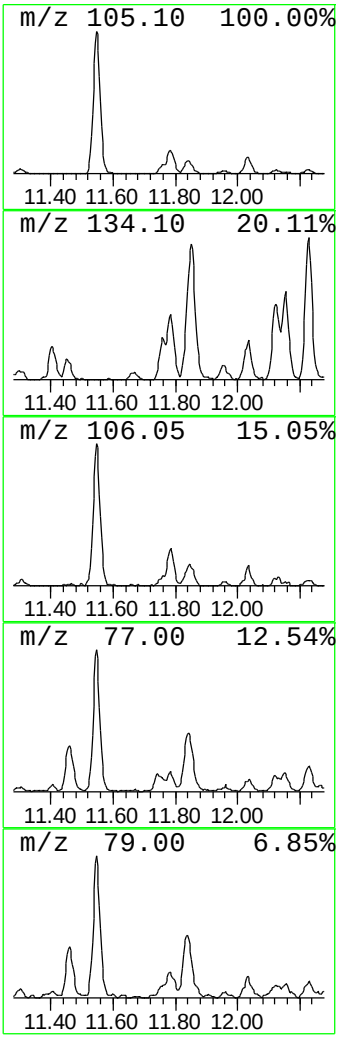
Peak Number 14 Benzene, 1-methyl-4-propyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	3.11 ug/L	94500	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	83
2	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	83
3	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	80
4	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	80
5	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	80





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Sample : K4895-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH6

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Quant Title : VOC Analysis

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

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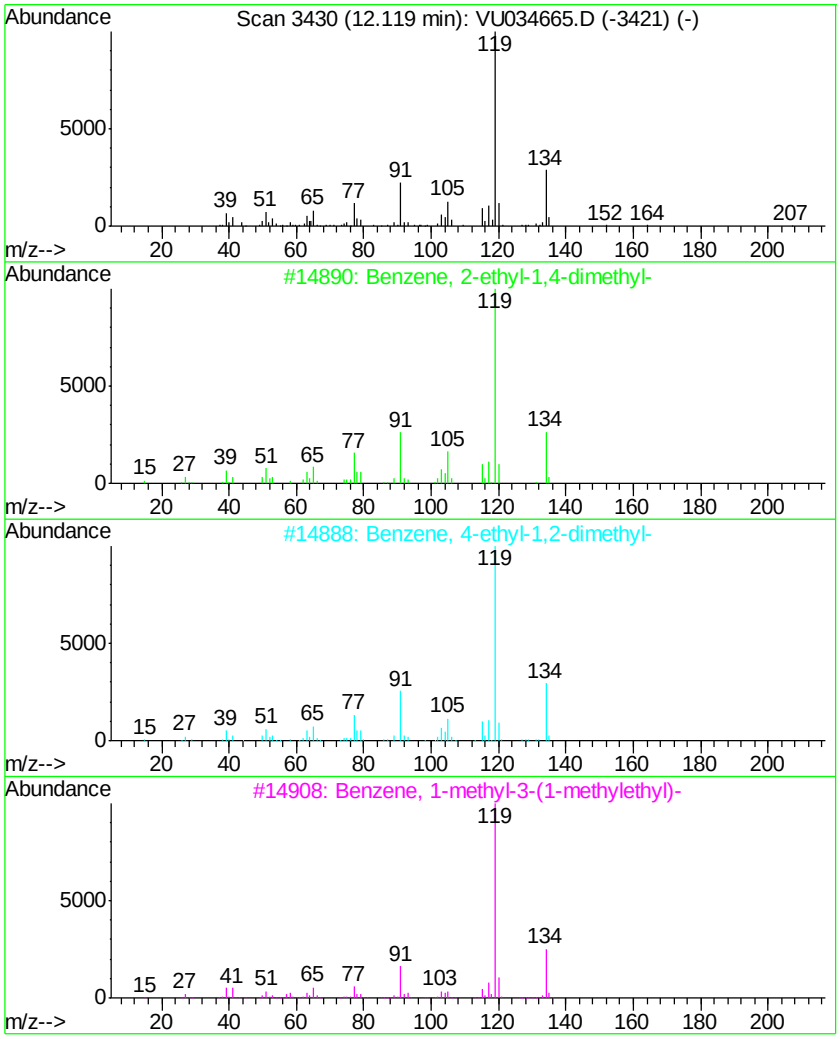
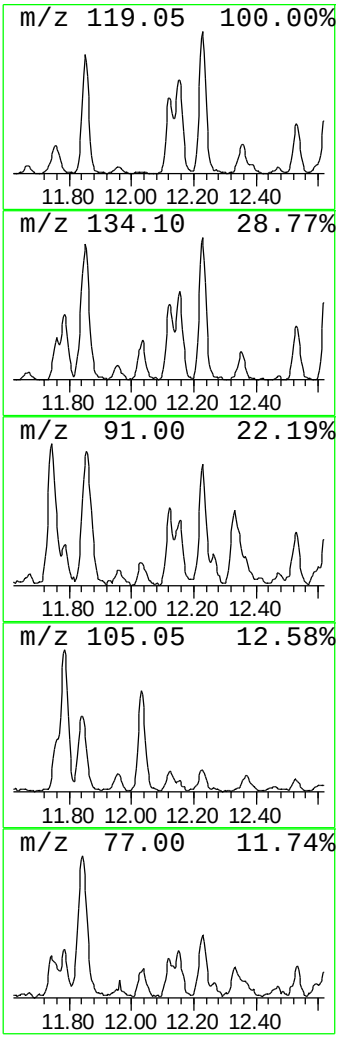
Peak Number 15 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	4.22 ug/L	128149	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	p-Cymene	134	C10H14	000099-87-6	95





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Acq On : 19 Sep 2019 22:36
Operator : JC/SP
Sample : K4895-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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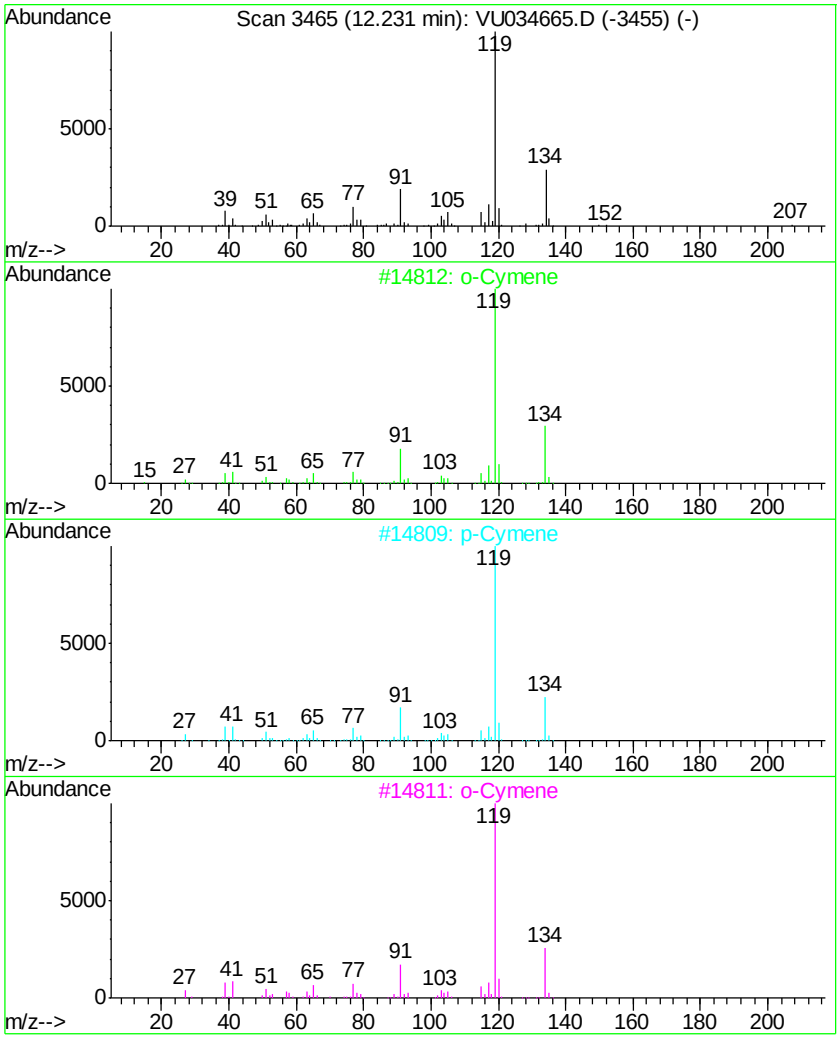
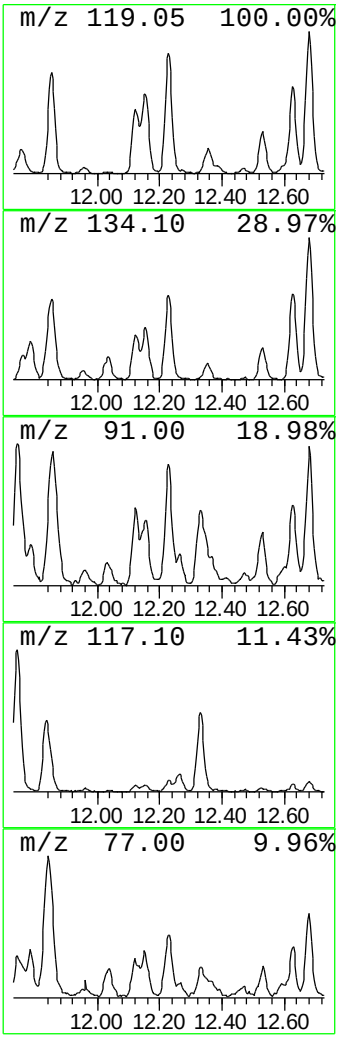
Peak Number 17 o-Cymene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	6.60 ug/L	200402	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	95
2	p-Cymene	134	C10H14	000099-87-6	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94





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Acq On : 19 Sep 2019 22:36
Operator : JC/SP
Sample : K4895-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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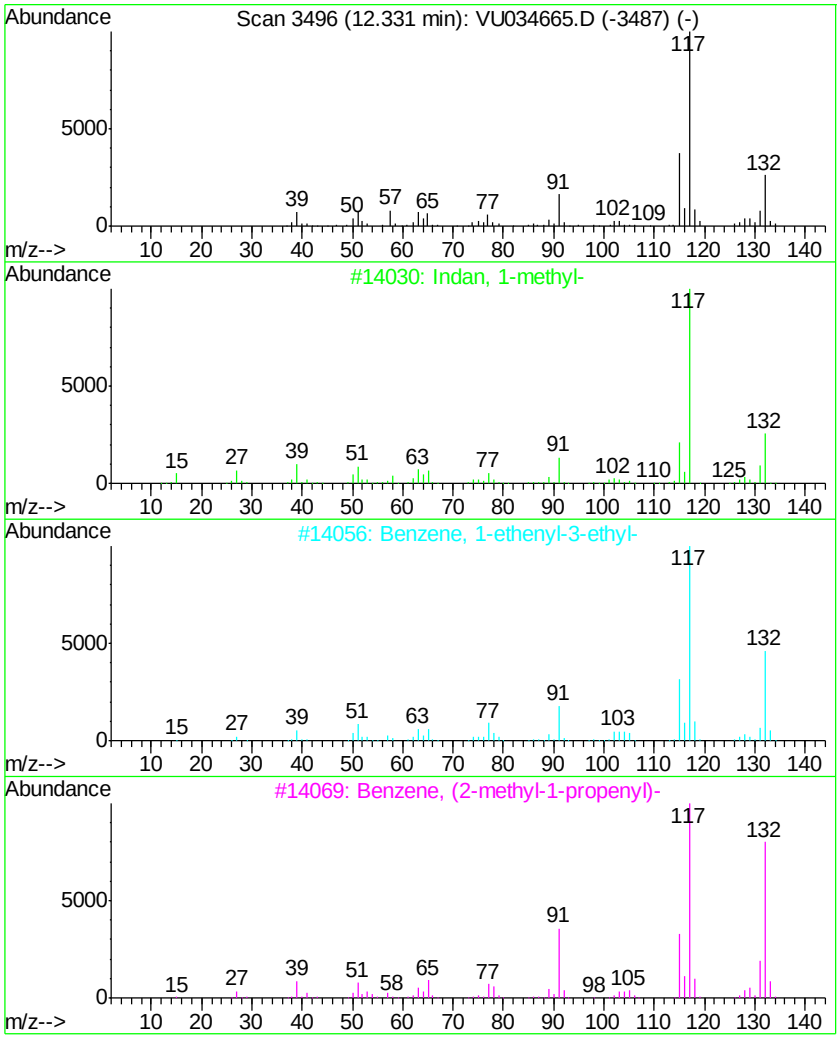
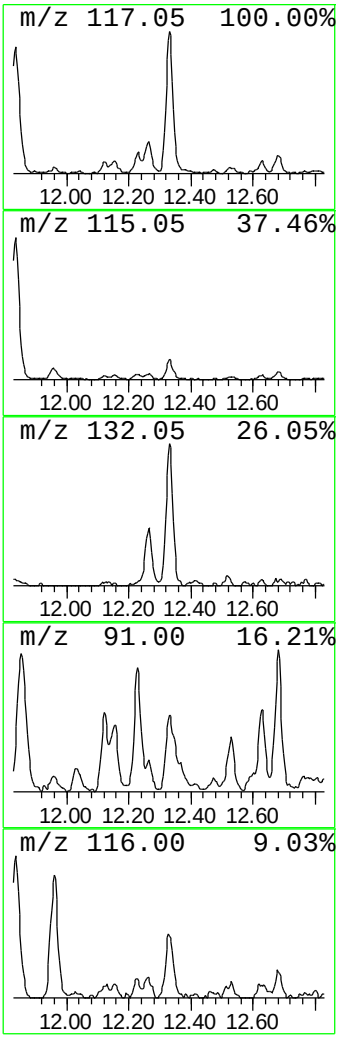
Peak Number 18 Indan, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	8.36 ug/L	254059	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	87
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	87
4	Indan, 1-methyl-	132	C10H12	000767-58-8	87
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	86





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Sample : K4895-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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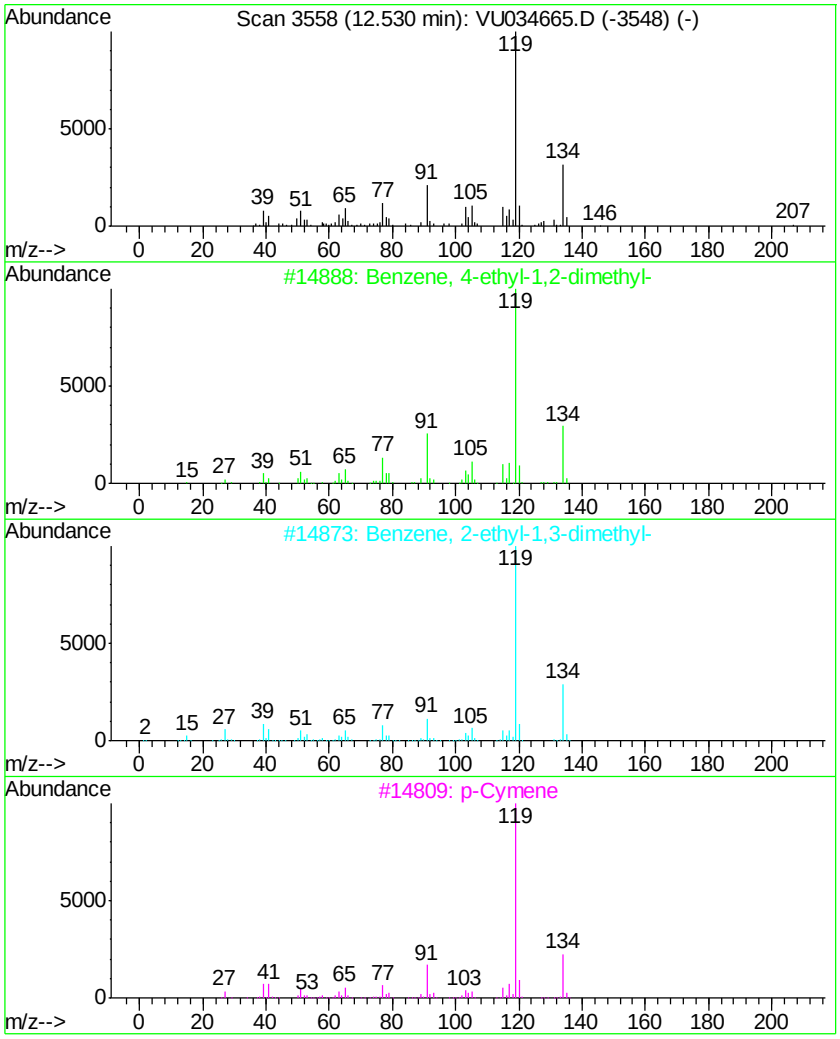
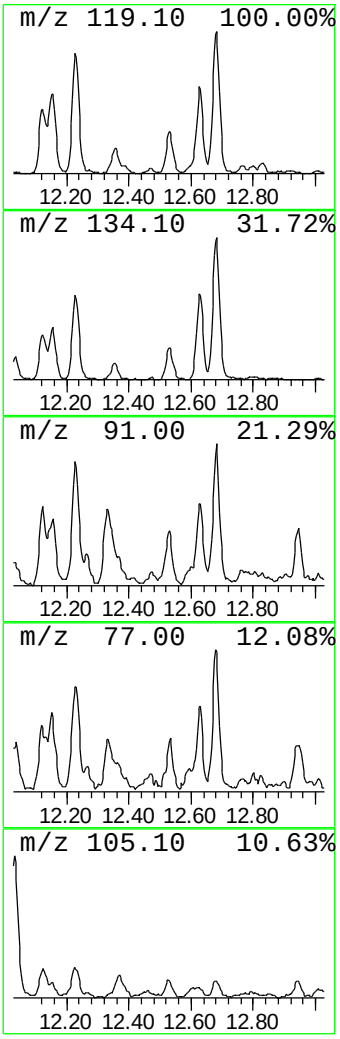
Peak Number 19 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	3.18 ug/L	96531	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
3	p-Cymene	134	C10H14	000099-87-6	93
4	o-Cymene	134	C10H14	000527-84-4	93
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91





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Sample : K4895-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH6

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Quant Title : VOC Analysis

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

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Peak Number 20 L-Fenchone Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	3.16 ug/L	95938	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	L-Fenchone	152	C10H16O	007787-20-4	87
2	D-Fenchone	152	C10H16O	004695-62-9	87
3	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	81
4	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	81
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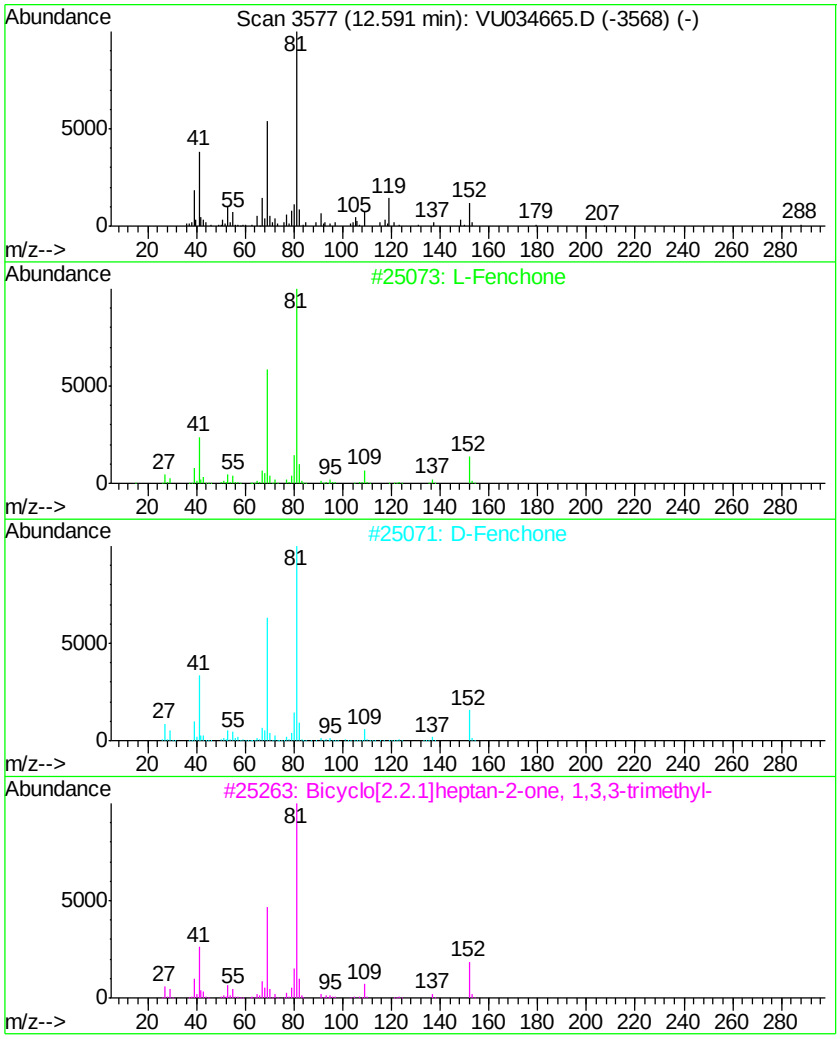

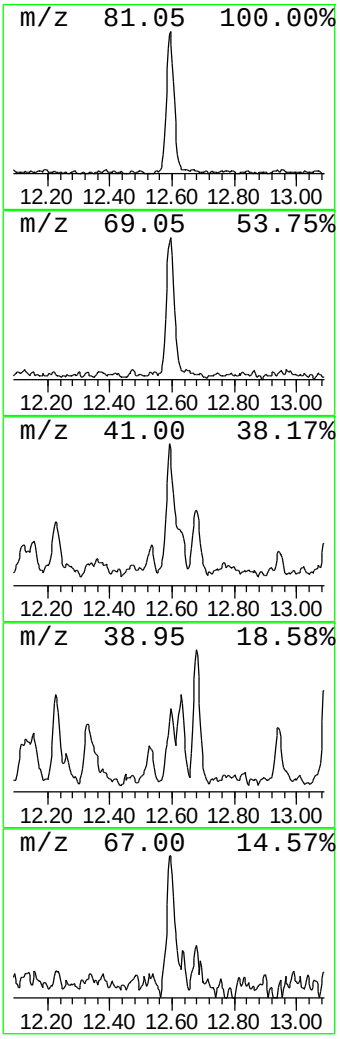

Library Search Compound Report

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Sample : K4895-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH6

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Quant Title : VOC Analysis

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

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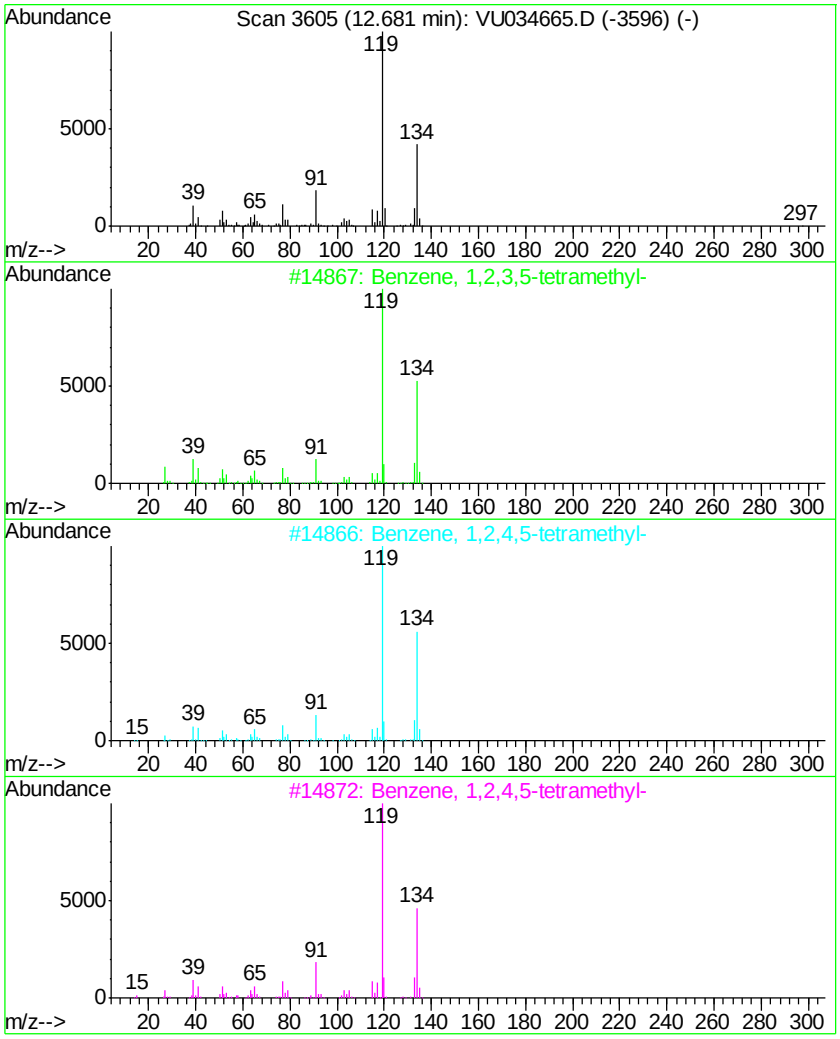
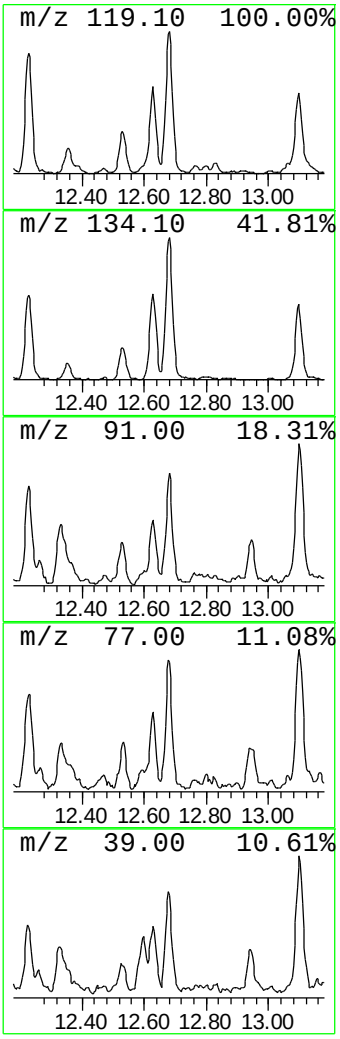
Peak Number 22 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.68	8.56 ug/L	260130	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	96
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94





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Data File : VU034665.D
Acq On : 19 Sep 2019 22:36
Operator : JC/SP
Sample : K4895-11
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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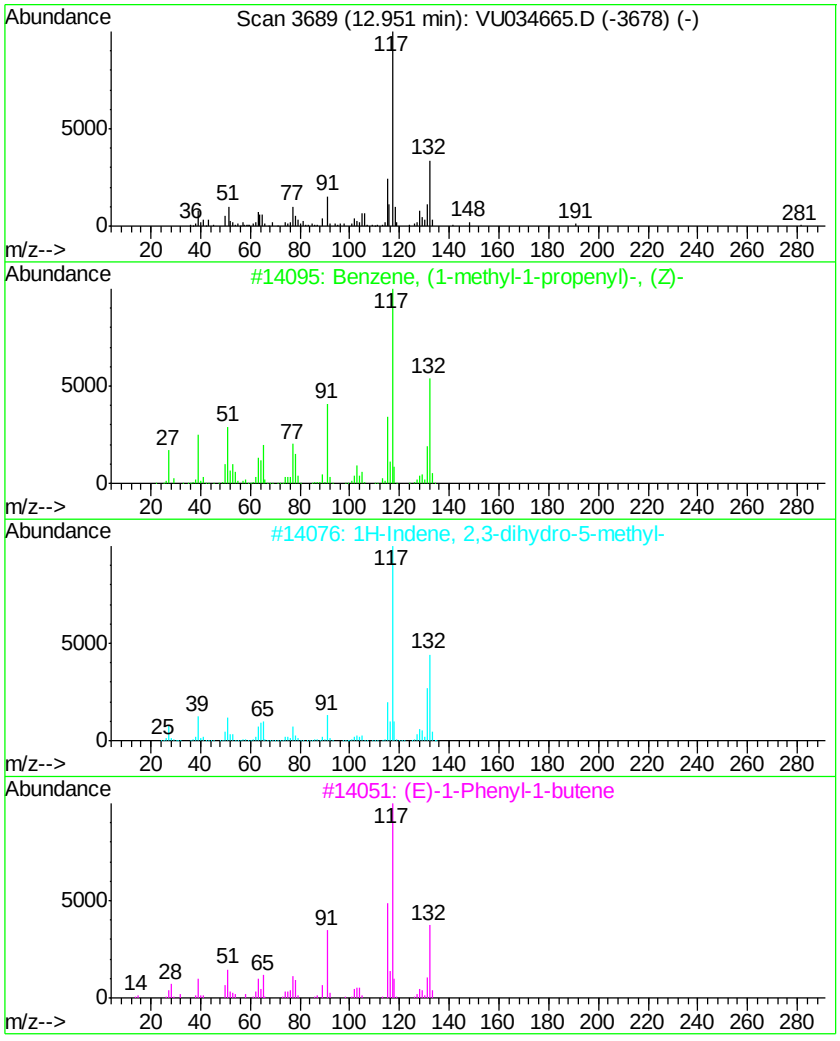
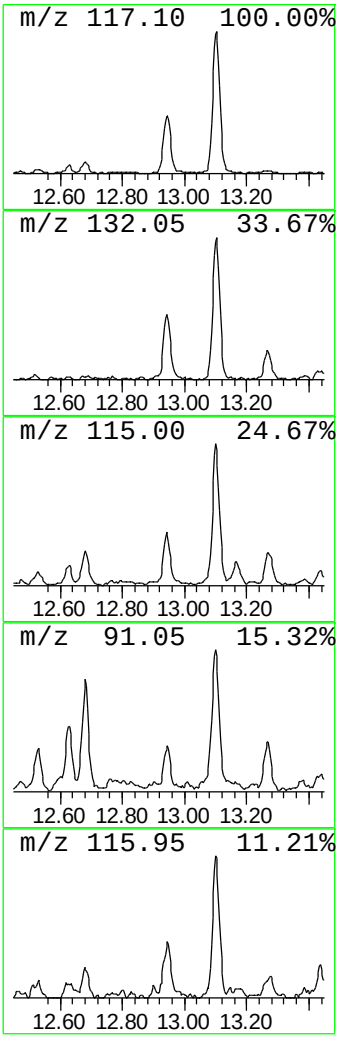
Peak Number 23 Benzene, (1-methyl-1-propen... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.95	4.41 ug/L	134105	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	94
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	93
3	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	92
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	91
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	91





Library Search Compound Report

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Data File : VU034665.D
Acq On : 19 Sep 2019 22:36
Operator : JC/SP
Sample : K4895-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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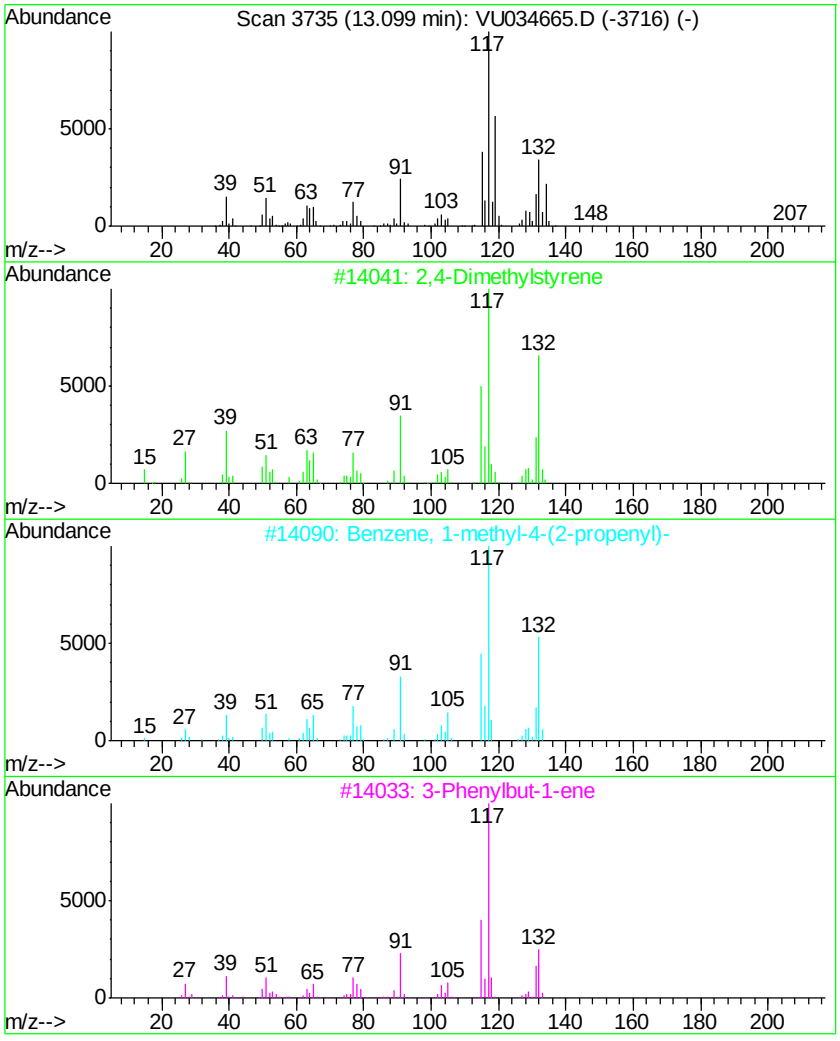
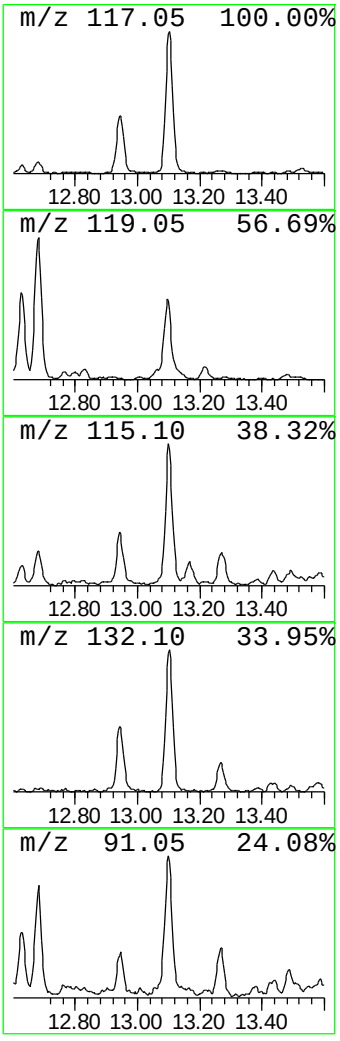
Peak Number 24 2,4-Dimethylstyrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	15.06 ug/L	457521	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Dimethylstyrene	132	C10H12	002234-20-0	91
2	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	70
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	70
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	70
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	68





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Data File : VU034665.D
Acq On : 19 Sep 2019 22:36
Operator : JC/SP
Sample : K4895-11
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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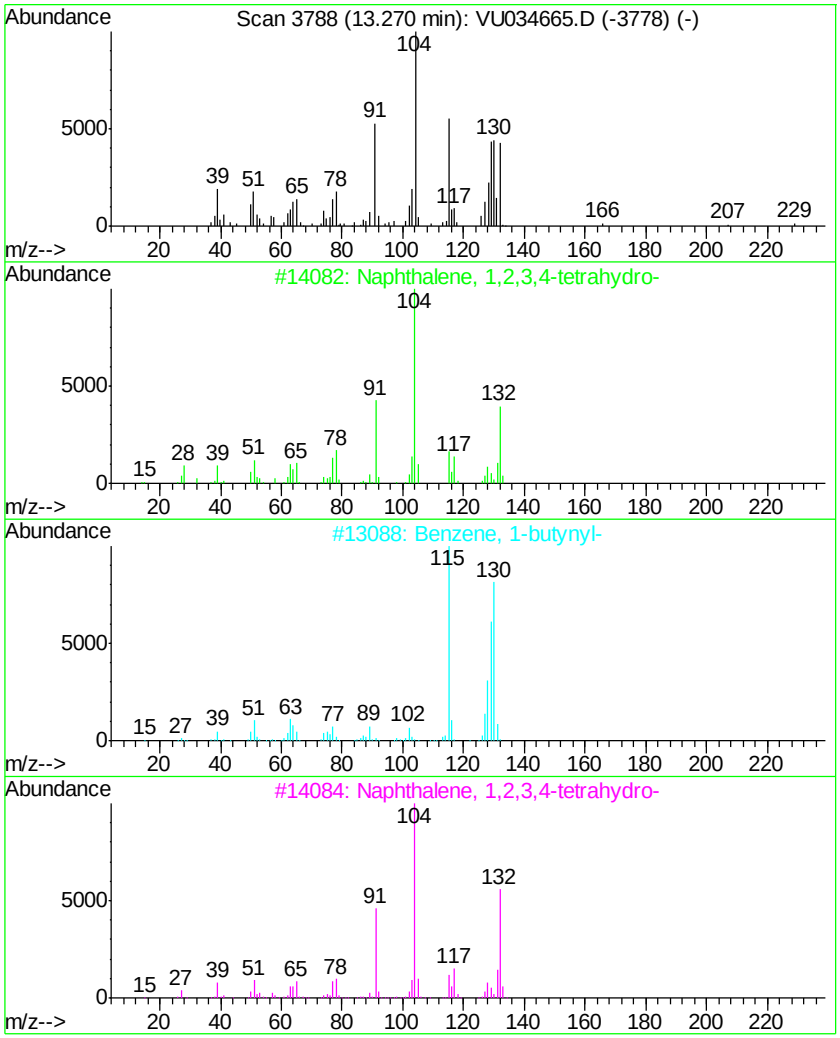
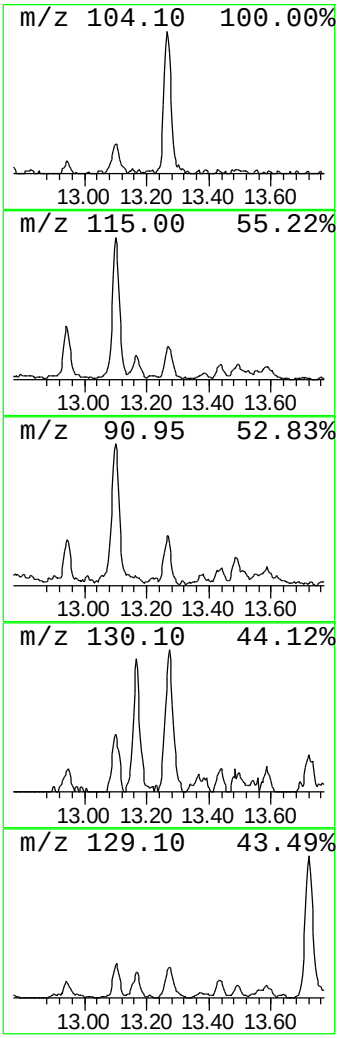
Peak Number 25 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	3.17 ug/L	96312	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	64
2	Benzene, 1-butynyl-	130	C10H10	000622-76-4	46
3	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	45
4	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	43
5	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	43





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Data File : VU034665.D
Acq On : 19 Sep 2019 22:36
Operator : JC/SP
Sample : K4895-11
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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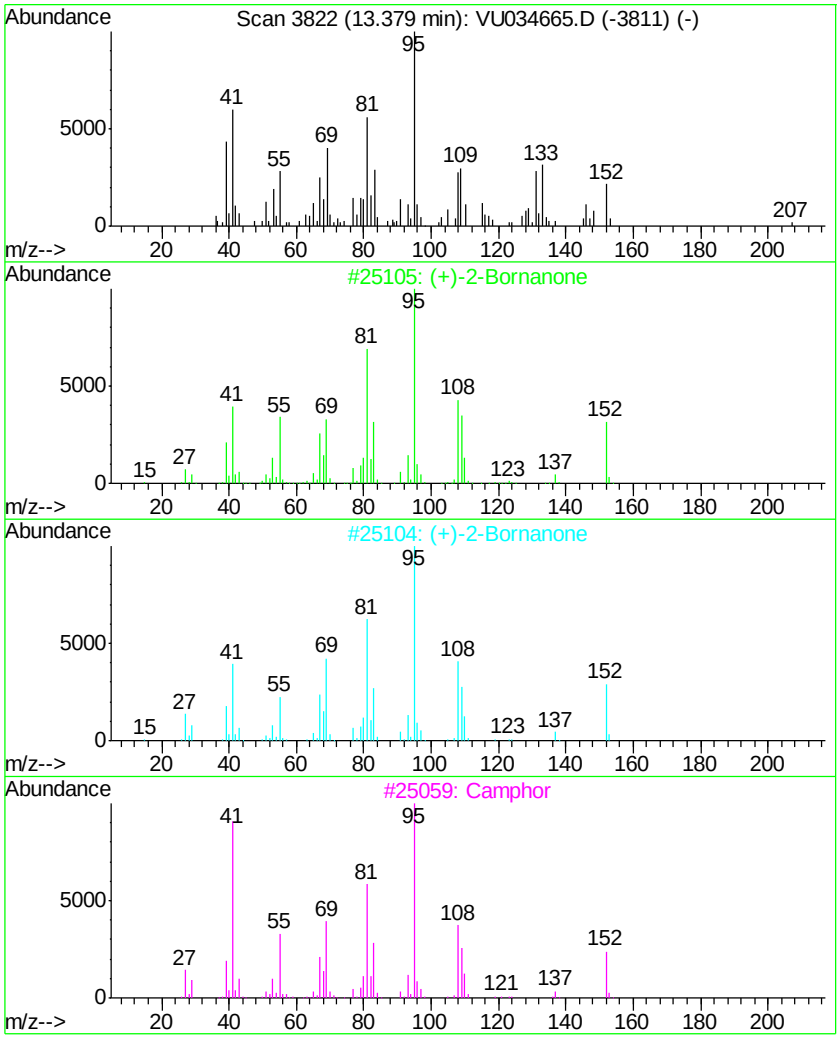
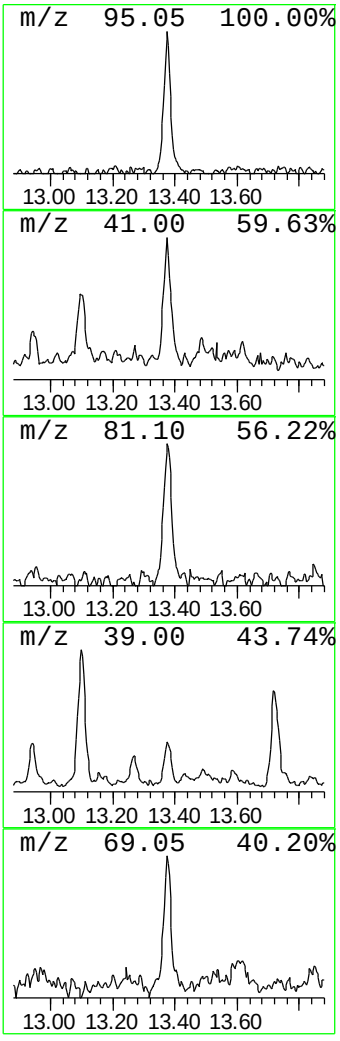
Peak Number 26 (+)-2-Bornanone Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	2.97 ug/L	90364	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(+)-2-Bornanone	152	C10H16O	000464-49-3	97
2	(+)-2-Bornanone	152	C10H16O	000464-49-3	97
3	Camphor	152	C10H16O	000076-22-2	97
4	(+)-2-Bornanone	152	C10H16O	000464-49-3	96
5	Camphor	152	C10H16O	000076-22-2	95





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Data File : VU034665.D
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Operator : JC/SP
Sample : K4895-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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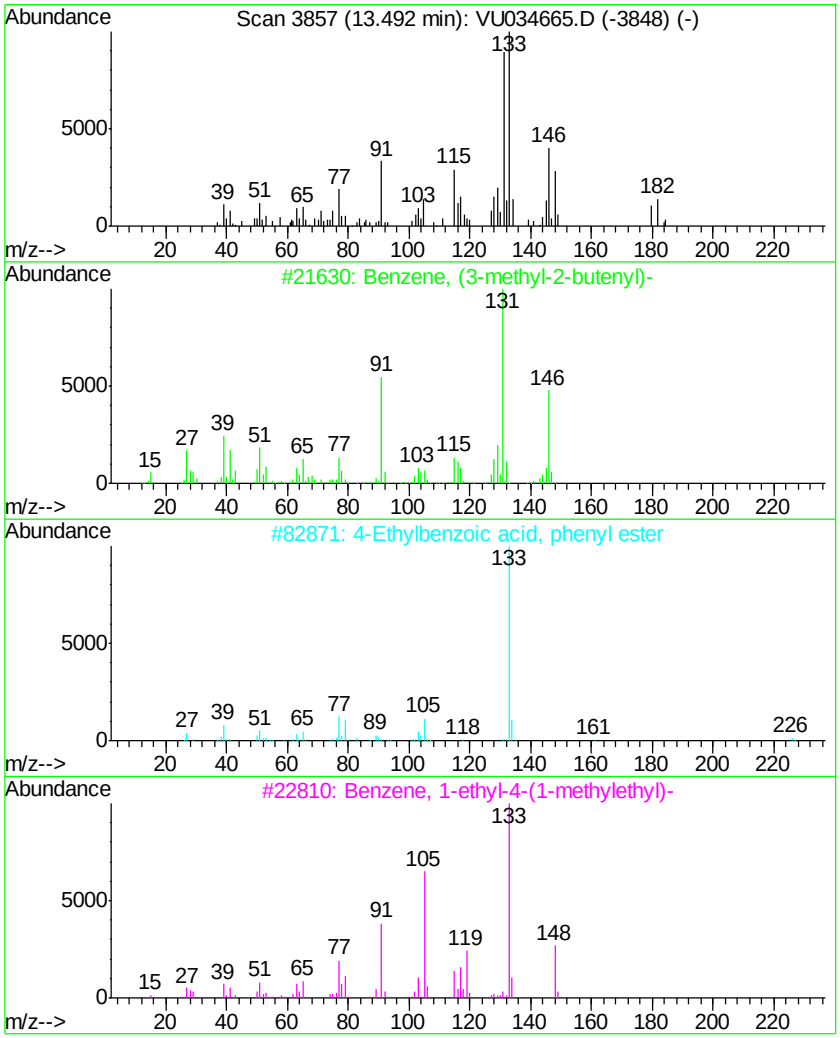
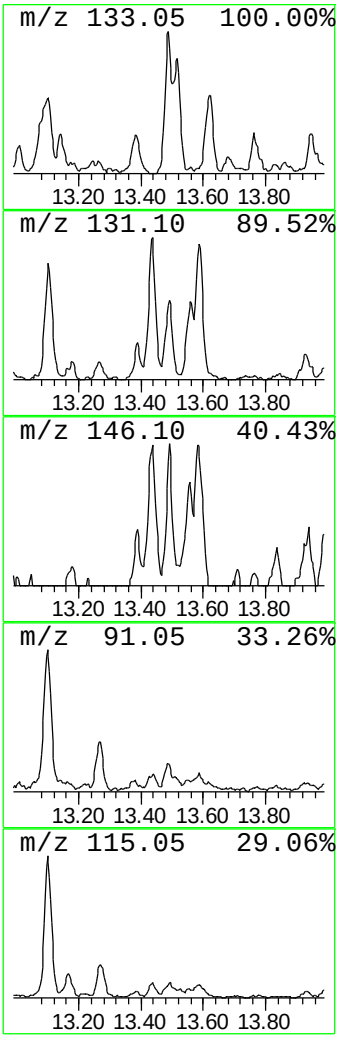
Peak Number 27 Benzene, (3-methyl-2-butenyl)- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	2.75 ug/L	83603	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	70
2	4-Ethylbenzoic acid, phenyl ester	226	C15H14O2	118388-89-9	55
3	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	50
4	Benzene, pentamethyl-	148	C11H16	000700-12-9	50
5	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	50





Library Search Compound Report

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ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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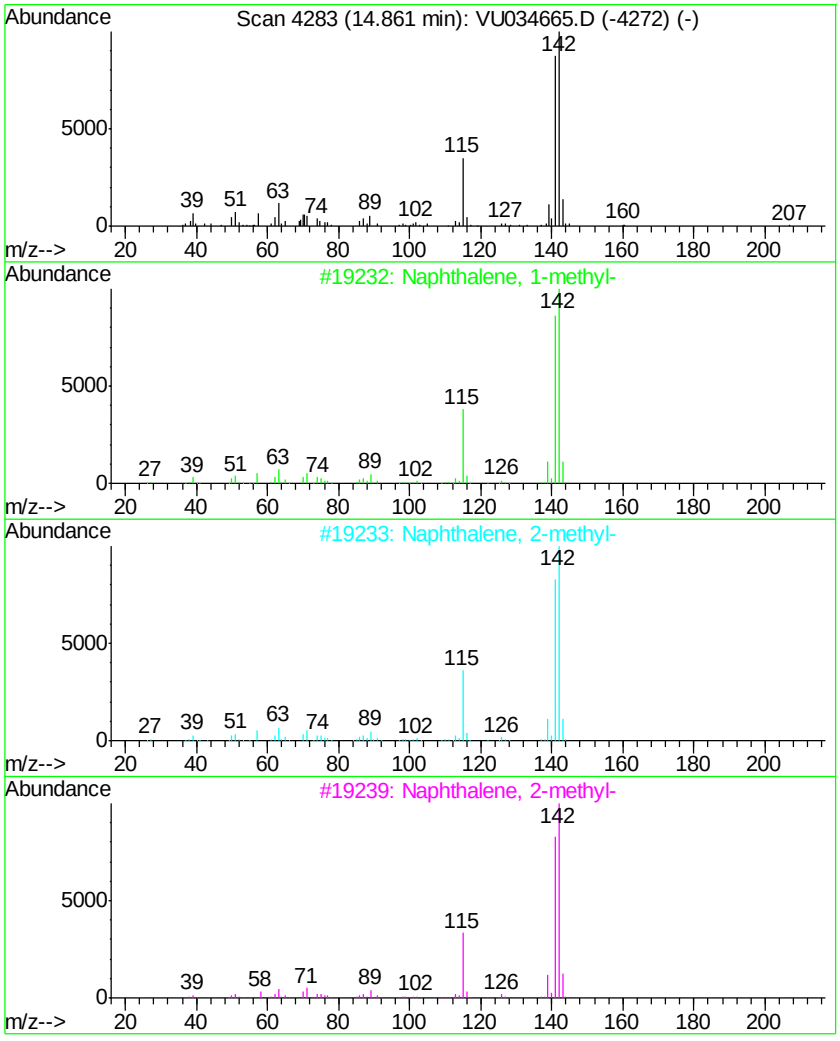
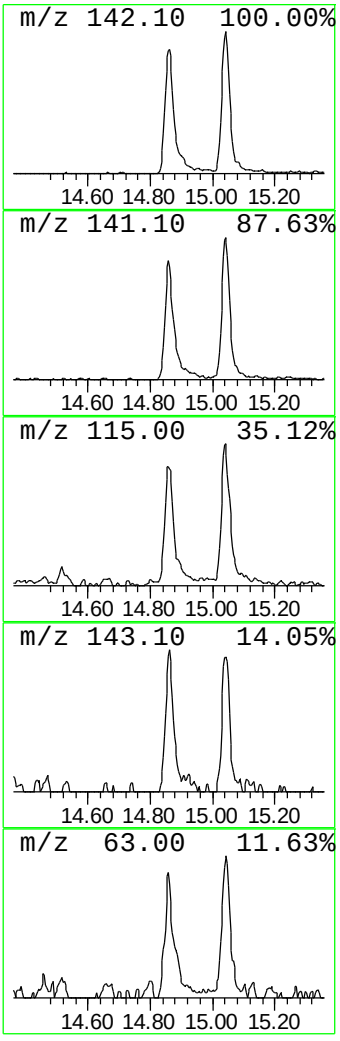
Peak Number 29 Naphthalene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	5.67 ug/L	172362	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	97
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034665.D
Acq On : 19 Sep 2019 22:36
Operator : JC/SP
Sample : K4895-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Isopropyl acetate	5.53	7.9	ug/L	203379	1	5.86	1280310	50.0
n-Propyl acetate	6.68	150.3	ug/L	3849530	1	5.86	1280310	50.0
Propanoic acid, 2...	8.13	20.4	ug/L	694604	2	9.07	1701750	50.0
Propanoic acid, p...	8.40	32.0	ug/L	1088730	2	9.07	1701750	50.0
Butanoic acid, 1-...	8.88	40.2	ug/L	1368460	2	9.07	1701750	50.0
Benzene, propyl-	10.57	4.2	ug/L	128091	3	11.46	1518850	50.0
Benzene, 1-ethyl-...	10.66	24.5	ug/L	744436	3	11.46	1518850	50.0
Benzene, 1,2,4-tr...	10.95	13.1	ug/L	398651	3	11.46	1518850	50.0
Indane	11.74	12.4	ug/L	377480	3	11.46	1518850	50.0
Benzene, 1-methyl...	11.78	3.1	ug/L	94500	3	11.46	1518850	50.0
Benzene, 2-ethyl-...	12.12	4.2	ug/L	128149	3	11.46	1518850	50.0
o-Cymene	12.23	6.6	ug/L	200402	3	11.46	1518850	50.0
Indan, 1-methyl-	12.33	8.4	ug/L	254059	3	11.46	1518850	50.0
Benzene, 4-ethyl-...	12.53	3.2	ug/L	96531	3	11.46	1518850	50.0
L-Fenchone	12.59	3.2	ug/L	95938	3	11.46	1518850	50.0
Benzene, 1,2,3,5-...	12.68	8.6	ug/L	260130	3	11.46	1518850	50.0
Benzene, (1-methy...	12.95	4.4	ug/L	134105	3	11.46	1518850	50.0
2,4-Dimethylstyrene	13.10	15.1	ug/L	457521	3	11.46	1518850	50.0
Naphthalene, 1,2,...	13.27	3.2	ug/L	96312	3	11.46	1518850	50.0
(+)-2-Bornanone	13.38	3.0	ug/L	90364	3	11.46	1518850	50.0
Benzene, (3-methy...	13.49	2.8	ug/L	83603	3	11.46	1518850	50.0
Naphthalene, 1-me...	14.86	5.7	ug/L	172362	3	11.46	1518850	50.0