LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092519\
Data File : VU034820.D
Acq On : 25 Sep 2019 22:18
Operator : JC/SP
Sample : K4983-10
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ3

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	22	27	38	rBV3	13931	15380	0.22%	0.023%
2	1.392	86	94	104	rVV	308824	327038	4.59%	0.488%
3	1.466	110	117	124	rBV	70266	78377	1.10%	0.117%
4	1.540	133	140	147	rBV3	28770	37728	0.53%	0.056%
5	1.672	173	181	195	rVB	253840	322373	4.53%	0.481%
6	2.257	352	363	372	rBV	439570	678842	9.53%	1.012%
7	2.306	372	378	392	rVB	183857	285591	4.01%	0.426%
8	2.685	484	496	517	rBV	129882	237965	3.34%	0.355%
9	2.807	527	534	546	rVB4	11411	22540	0.32%	0.034%
10	3.167	635	646	656	rBV5	8796	18474	0.26%	0.028%
11	3.543	752	763	780	rVB8	9854	25368	0.36%	0.038%
12	4.148	940	951	972	rBV	236862	621311	8.73%	0.926%
13	4.244	974	981	1002	rVB2	39269	102480	1.44%	0.153%
14	4.621	1082	1098	1119	rBV	349203	834654	11.72%	1.244%
15	4.965	1193	1205	1221	rVV7	11858	28369	0.40%	0.042%
16	5.315	1288	1314	1327	rBV2	738521	2230050	31.32%	3.325%
17	5.527	1365	1380	1400	rBV	83450	188569	2.65%	0.281%
18	5.865	1469	1485	1501	rBV	591643	1282422	18.01%	1.912%
19	6.309	1608	1623	1639	rBV	496891	1017010	14.28%	1.516%
20	6.402	1642	1652	1678	rVB6	32009	86881	1.22%	0.130%
21	6.514	1678	1687	1694	rBV5	10262	20217	0.28%	0.030%
22	6.563	1695	1702	1705	rVV	10528	14408	0.20%	0.021%
23	6.588	1706	1710	1726	rVB2	22909	45942	0.65%	0.068%
24	6.682	1726	1739	1771	rBV	1779551	3250489	45.65%	4.846%
25	7.045	1840	1852	1862	rBV5	12847	25118	0.35%	0.037%
26	7.206	1891	1902	1925	rBV	282449	513794	7.22%	0.766%
27	7.399	1952	1962	1973	rBV	223161	378391	5.31%	0.564%
28	7.543	1989	2007	2020	rBV	1022833	1825110	25.63%	2.721%
29	7.614	2020	2029	2043	rVB	348881	619849	8.71%	0.924%
30	7.826	2083	2095	2112	rBV2	251201	449370	6.31%	0.670%
31	8.135	2179	2191	2206	rBV	348039	575335	8.08%	0.858%
32	8.212	2206	2215	2217	rVV3	23815	29040	0.41%	0.043%
33	8.241	2219	2224	2229	rVV2	45702	67252	0.94%	0.100%
34	8.289	2229	2239	2261	rVV	979637	1748198	24.55%	2.606%

LSC Area Percent Report

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ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
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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	8.395	2262	2272	2300	rVV	631551	1060058	14.89%	1.580%
36	8.508	2300	2307	2318	rVB2	23876	45463	0.64%	0.068%
37	8.884	2409	2424	2447	rBV	707453	1119406	15.72%	1.669%
38	9.067	2460	2481	2504	rVV	858484	1586132	22.28%	2.365%
39	9.228	2518	2531	2553	rBV	1225820	1974895	27.74%	2.944%
40	9.350	2556	2569	2587	rBV	4372207	7120069	100.00%	10.615%
41	9.472	2603	2607	2615	rVB10	10799	13934	0.20%	0.021%
42	9.585	2635	2642	2651	rBV3	17673	27135	0.38%	0.040%
43	9.755	2683	2695	2725	rVB	2765306	4432729	62.26%	6.609%
44	9.929	2737	2749	2759	rVB6	13660	28556	0.40%	0.043%
45	10.016	2771	2776	2786	rBV6	9188	14345	0.20%	0.021%
46	10.141	2803	2815	2827	rVB	124338	214126	3.01%	0.319%
47	10.302	2857	2865	2873	rBV8	11132	18624	0.26%	0.028%
48	10.408	2886	2898	2914	rBV	710558	1147616	16.12%	1.711%
49	10.562	2936	2946	2962	rVV	253382	431284	6.06%	0.643%
50	10.656	2964	2975	2994	rBV	1112905	2283595	32.07%	3.405%
51	10.749	2994	3004	3014	rBV	682641	1025856	14.41%	1.529%
52	10.894	3038	3049	3057	rBV	343320	537718	7.55%	0.802%
53	10.948	3057	3066	3089	rVB	647735	1085285	15.24%	1.618%
54	11.125	3108	3121	3137	rBV	2675788	4001987	56.21%	5.966%
55	11.218	3141	3150	3159	rVV2	67515	111655	1.57%	0.166%
56	11.299	3161	3175	3188	rVB7	65966	147189	2.07%	0.219%
57	11.402	3192	3207	3215	rBV2	105310	189709	2.66%	0.283%
58	11.460	3215	3225	3241	rVV	915970	1560137	21.91%	2.326%
59	11.546	3241	3252	3278	rVB	1093275	1767103	24.82%	2.635%
60	11.742	3302	3313	3322	rBV	733227	1273920	17.89%	1.899%
61	11.784	3322	3326	3332	rVB	150077	181837	2.55%	0.271%
62	11.839	3332	3343	3368	rVB4	1306141	2940061	41.29%	4.383%
63	11.958	3369	3380	3389	rBV3	99063	166418	2.34%	0.248%
64	12.032	3396	3403	3417	rVB2	97270	160086	2.25%	0.239%
65	12.122	3420	3431	3437	rBV2	330899	559063	7.85%	0.833%
66	12.228	3454	3464	3472	rBV	319382	486985	6.84%	0.726%
67	12.331	3487	3496	3517	rVB2	224935	430955	6.05%	0.643%
68	12.472	3532	3540	3547	rBV10	15353	25619	0.36%	0.038%
69	12.530	3547	3558	3566	rVV	119229	195601	2.75%	0.292%
70	12.591	3566	3577	3584	rVV	724118	1187910	16.68%	1.771%
71	12.627	3585	3588	3596	rVV	250644	305522	4.29%	0.455%

LSC Area Percent Report

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Sample : K4983-10
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ3

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	12.678	3596	3604	3619	rVB	367497	568087	7.98%	0.847%
73	12.765	3626	3631	3636	rVB2	15757	17206	0.24%	0.026%
74	12.797	3637	3641	3646	rBV4	13113	14125	0.20%	0.021%
75	12.942	3677	3686	3701	rVB	269135	415180	5.83%	0.619%
76	13.006	3703	3706	3715	rVB8	17276	23158	0.33%	0.035%
77	13.099	3715	3735	3747	rBV2	658009	1164863	16.36%	1.737%
78	13.167	3748	3756	3766	rVV3	156463	267285	3.75%	0.398%
79	13.215	3767	3771	3778	rVB	22076	24560	0.34%	0.037%
80	13.270	3778	3788	3803	rBV5	183940	347092	4.87%	0.517%
81	13.373	3808	3820	3831	rVB2	484447	828310	11.63%	1.235%
82	13.434	3832	3839	3847	rVB2	59379	91537	1.29%	0.136%
83	13.488	3847	3856	3871	rBV7	101665	232126	3.26%	0.346%
84	13.556	3873	3877	3881	rBV3	15521	15362	0.22%	0.023%
85	13.588	3881	3887	3894	rVB2	39923	50209	0.71%	0.075%
86	13.720	3916	3928	3941	rBV	1728702	2776153	38.99%	4.139%
87	13.839	3955	3965	3979	rVB	78205	154768	2.17%	0.231%
88	13.922	3982	3991	4005	rVV7	47964	113770	1.60%	0.170%
89	13.990	4007	4012	4021	rVB2	33217	48030	0.67%	0.072%
90	14.135	4047	4057	4071	rBV5	79250	154128	2.16%	0.230%
91	14.315	4102	4113	4125	rBV4	60511	140970	1.98%	0.210%
92	14.456	4149	4157	4167	rVV4	28352	48992	0.69%	0.073%
93	14.517	4167	4176	4188	rVB4	51958	94199	1.32%	0.140%
94	14.656	4215	4219	4232	rVB8	20369	33531	0.47%	0.050%
95	14.797	4256	4263	4270	rBV3	20615	31718	0.45%	0.047%
96	14.855	4270	4281	4296	rBV	490559	805214	11.31%	1.200%
97	15.038	4327	4338	4354	rBV	382452	652714	9.17%	0.973%
98	15.784	4562	4570	4576	rBV	8885	16607	0.23%	0.025%
99	15.900	4597	4606	4620	rBV	13307	31930	0.45%	0.048%
100	16.041	4640	4650	4657	rBV5	28279	50035	0.70%	0.075%

Sum of corrected areas: 67074377

LSC Report - Integrated Chromatogram

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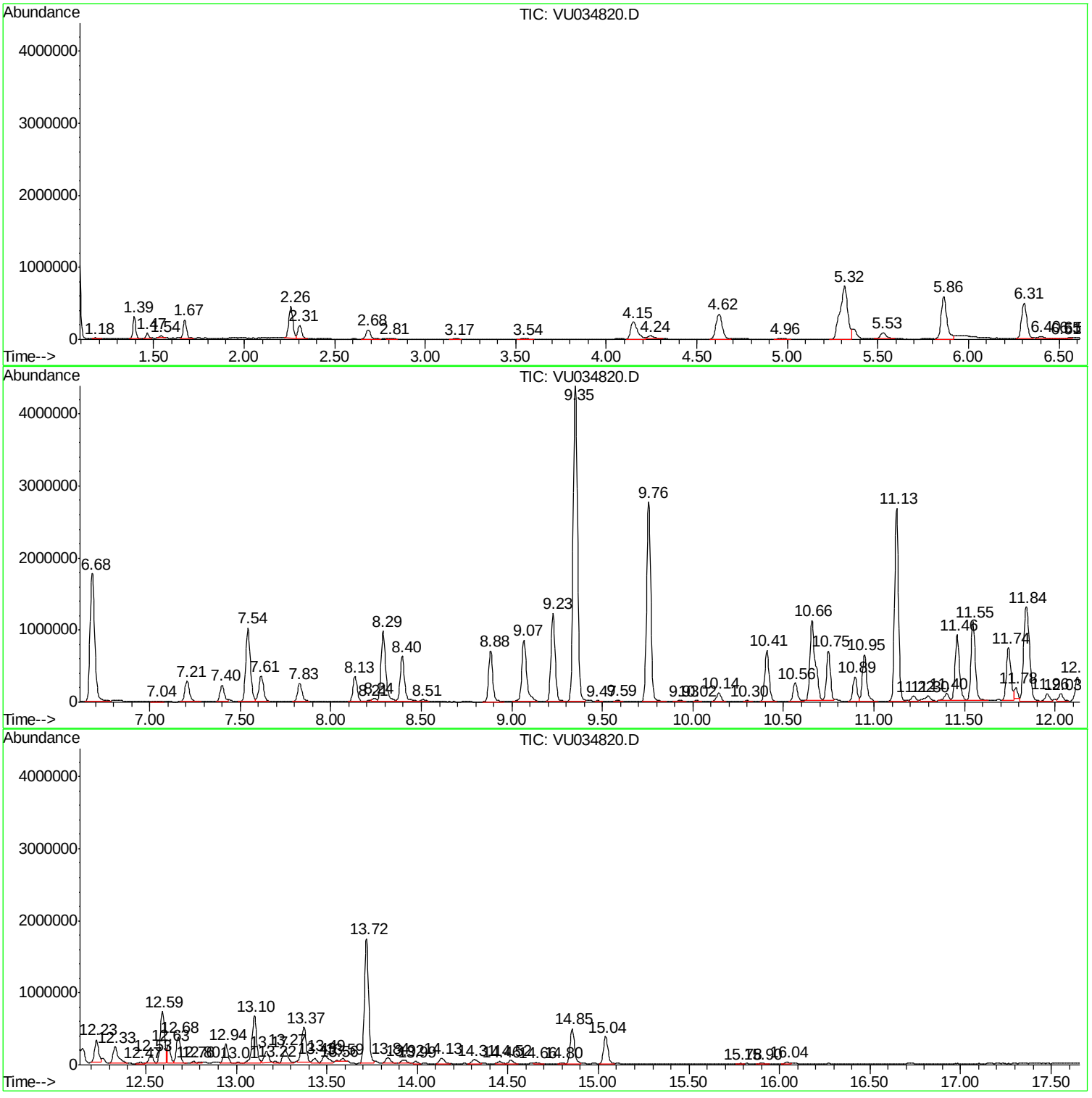
Sample : K4983-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ3

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\VU092519\
Data File : VU034820.D
Acq On : 25 Sep 2019 22:18
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Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ3

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

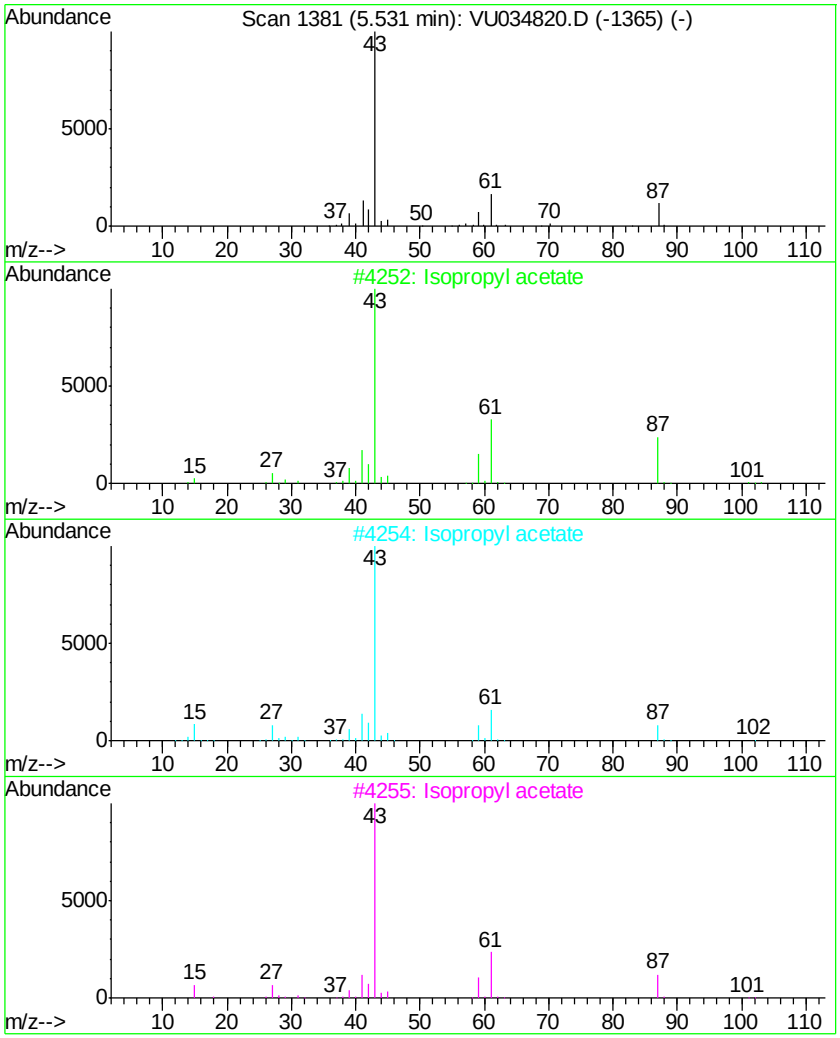
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

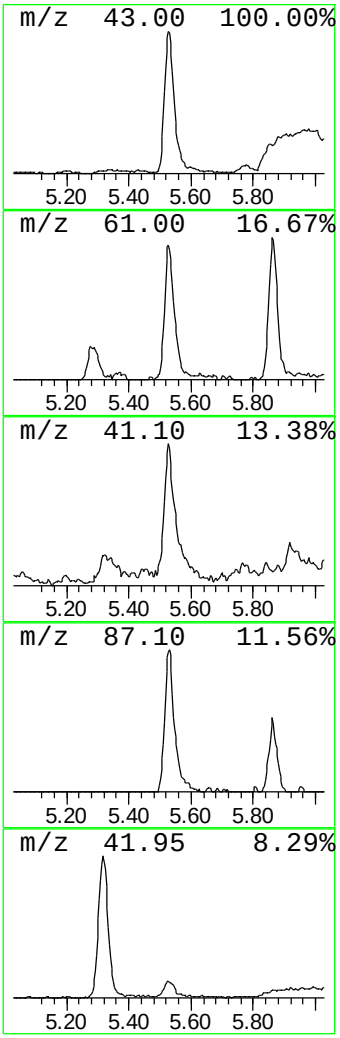
****

Peak Number 2 Isopropyl acetate Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.53	7.35 ug/L	188569	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	56
3	Isopropyl acetate	102	C5H10O2	000108-21-4	50
4	Isopropyl acetate	102	C5H10O2	000108-21-4	50
5	Propane, 1-(1-methylethoxy)-	102	C6H14O	000627-08-7	23





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034820.D
Acq On : 25 Sep 2019 22:18
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Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ3

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

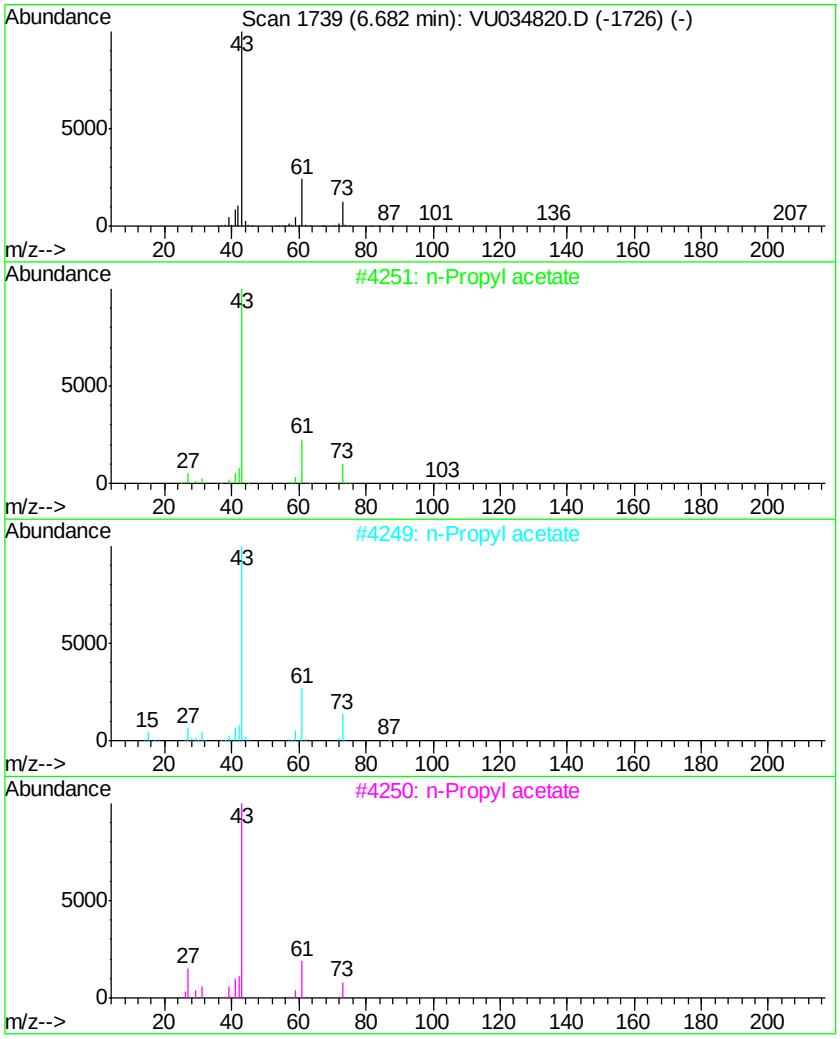
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

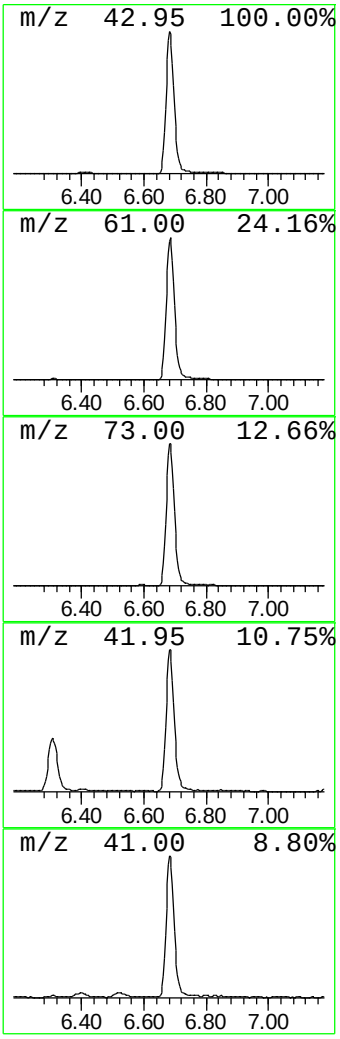
****

Peak Number 3 n-Propyl acetate Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	126.73 ug/L	3250490	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	83
3	n-Propyl acetate	102	C5H10O2	000109-60-4	78
4	Isopropyl acetate	102	C5H10O2	000108-21-4	36
5	Isopropyl acetate	102	C5H10O2	000108-21-4	9





Library Search Compound Report

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ClientSampleId : BFDJ3

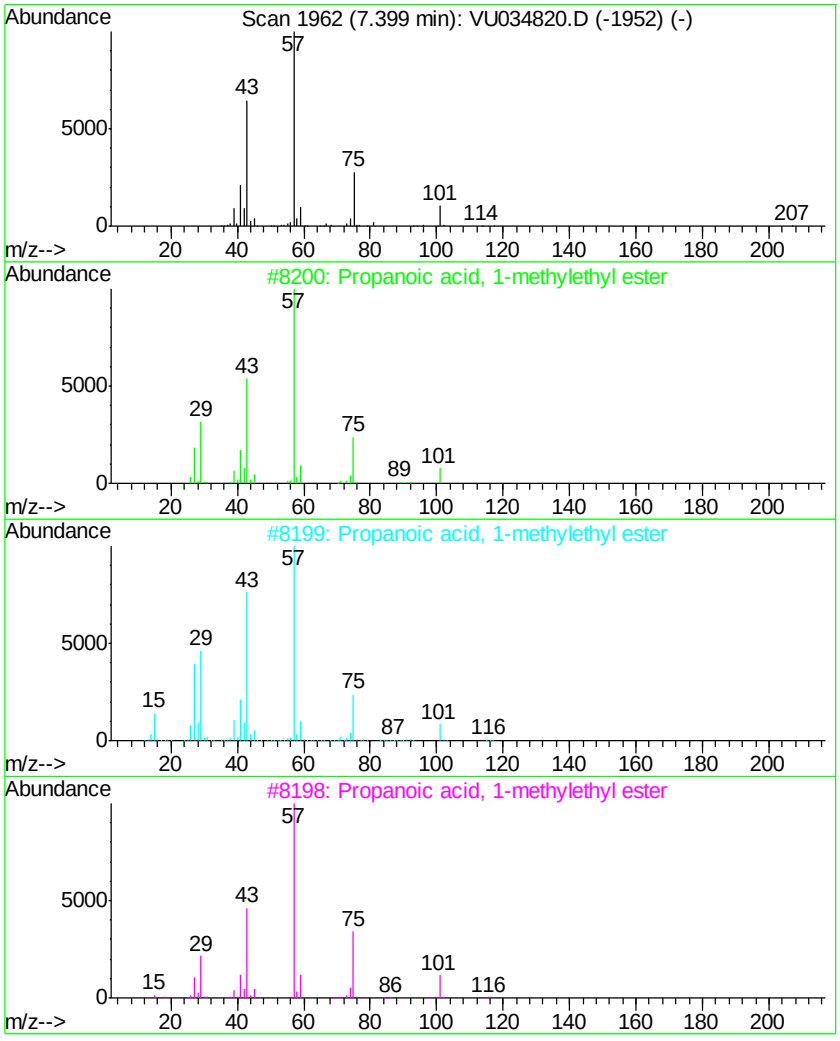
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

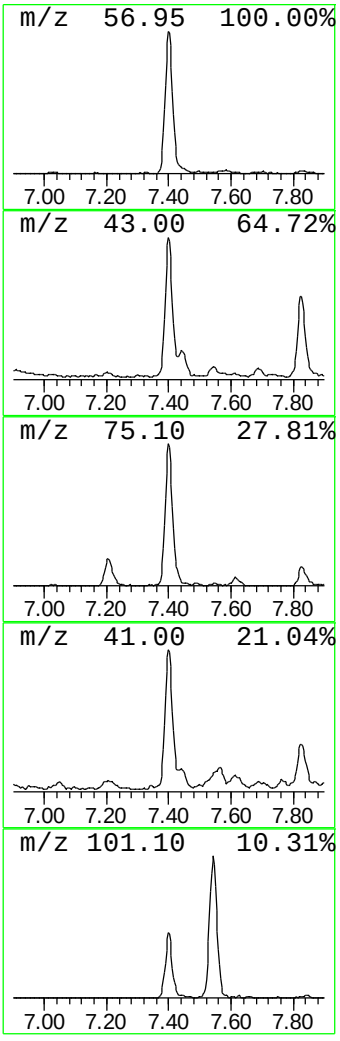
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Propanoic acid, 1-methyleth... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.40	14.75 ug/L	378391	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, 1-methylethyl ester	116	C6H12O2	000637-78-5	90
2	Propanoic acid, 1-methylethyl ester	116	C6H12O2	000637-78-5	74
3	Propanoic acid, 1-methylethyl ester	116	C6H12O2	000637-78-5	64
4	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	50
5	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	50





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ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ3

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

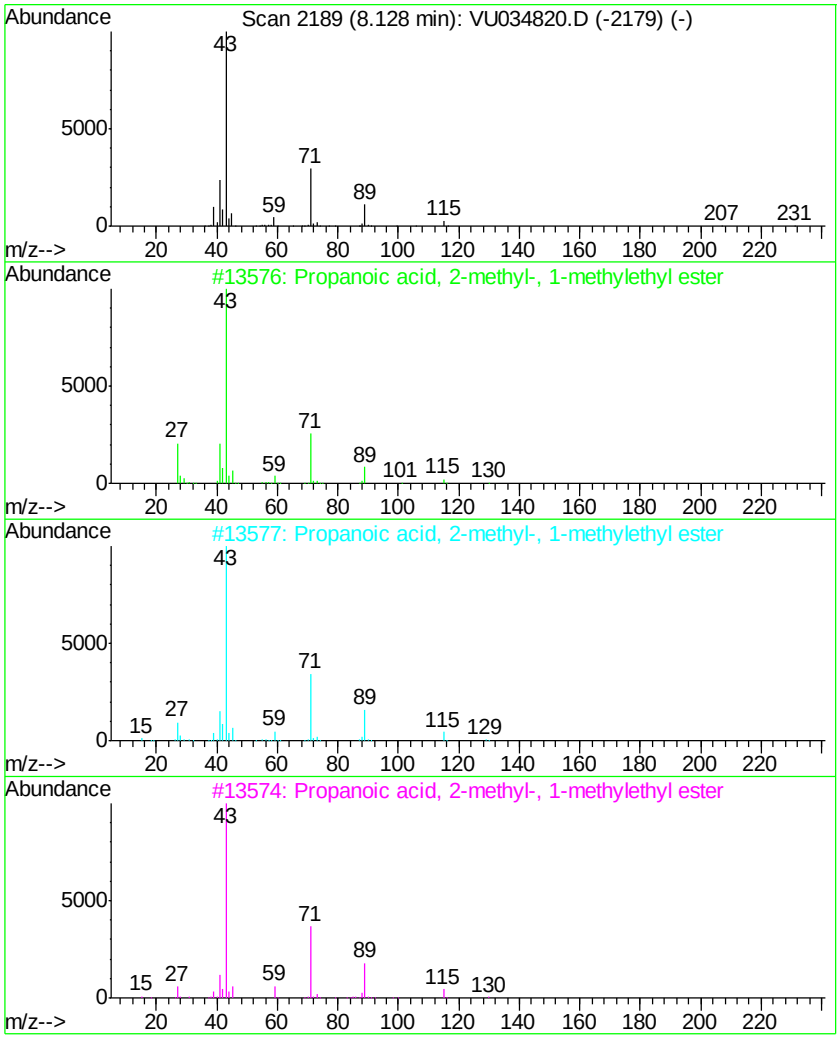
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

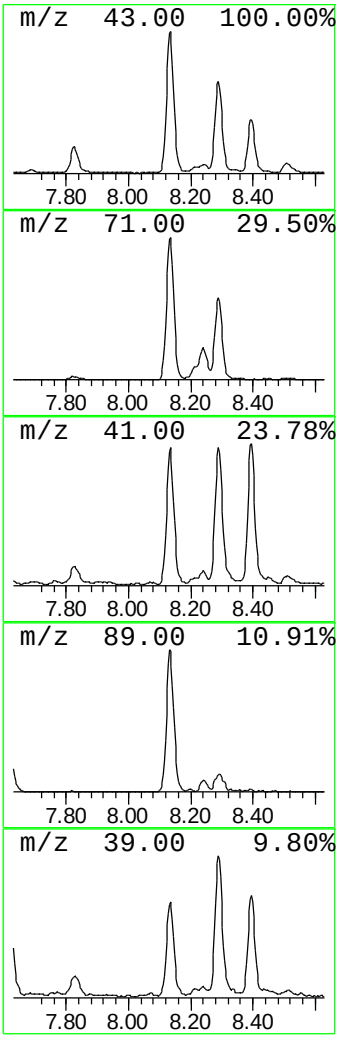
****

Peak Number 6 Propanoic acid, 2-methyl-, ... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.13	18.14 ug/L	575335	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	72
3	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	59
4	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	59
5	3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	37





Library Search Compound Report

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ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ3

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

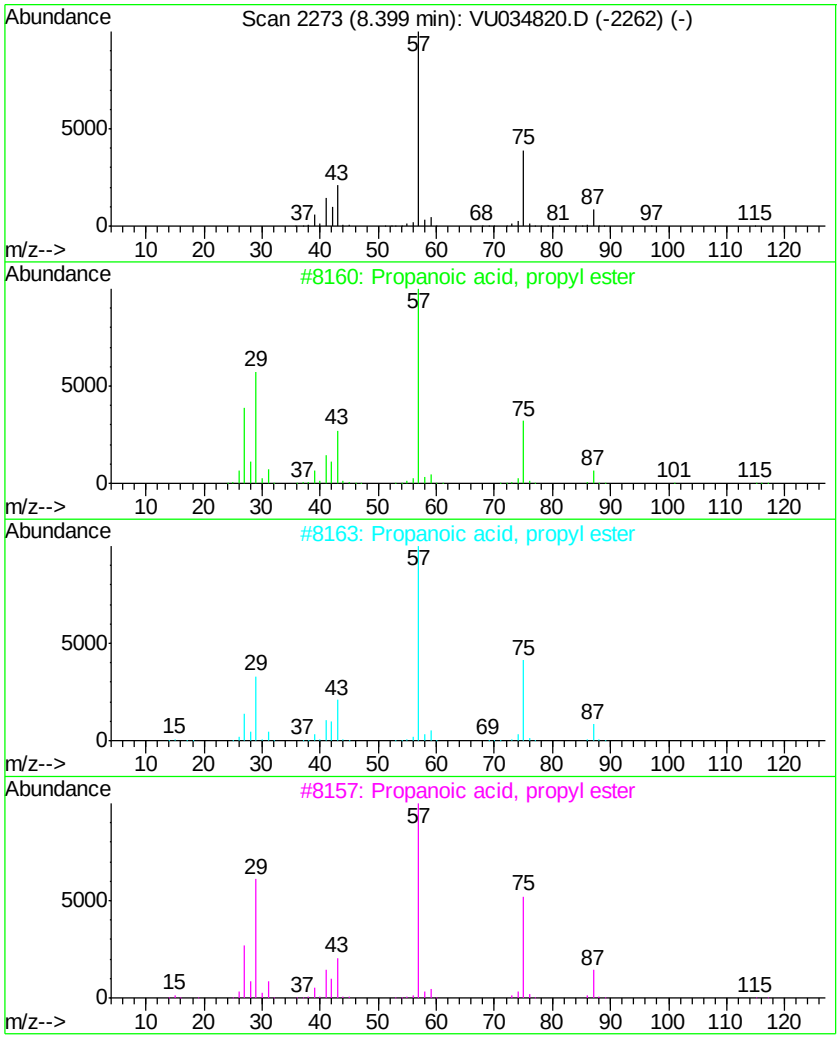
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

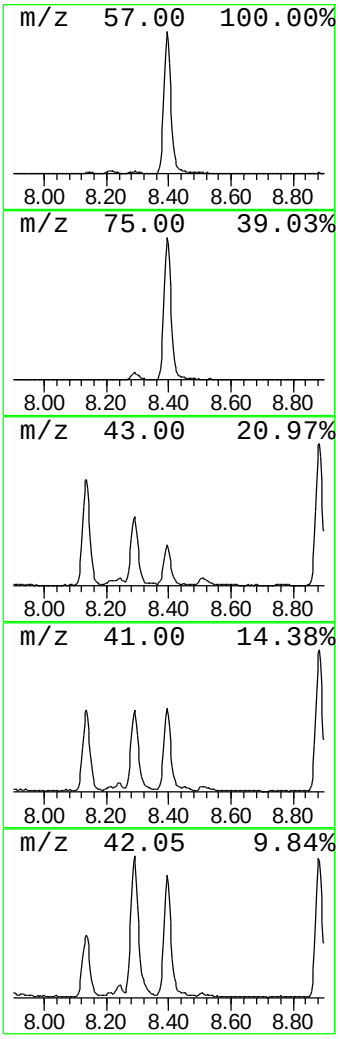
****

Peak Number 7 Propanoic acid, propyl ester Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.40	33.42 ug/L	1060060	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	74
4	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	64
5	1-Pentanamine	87	C5H13N	000110-58-7	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034820.D
Acq On : 25 Sep 2019 22:18
Operator : JC/SP
Sample : K4983-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ3

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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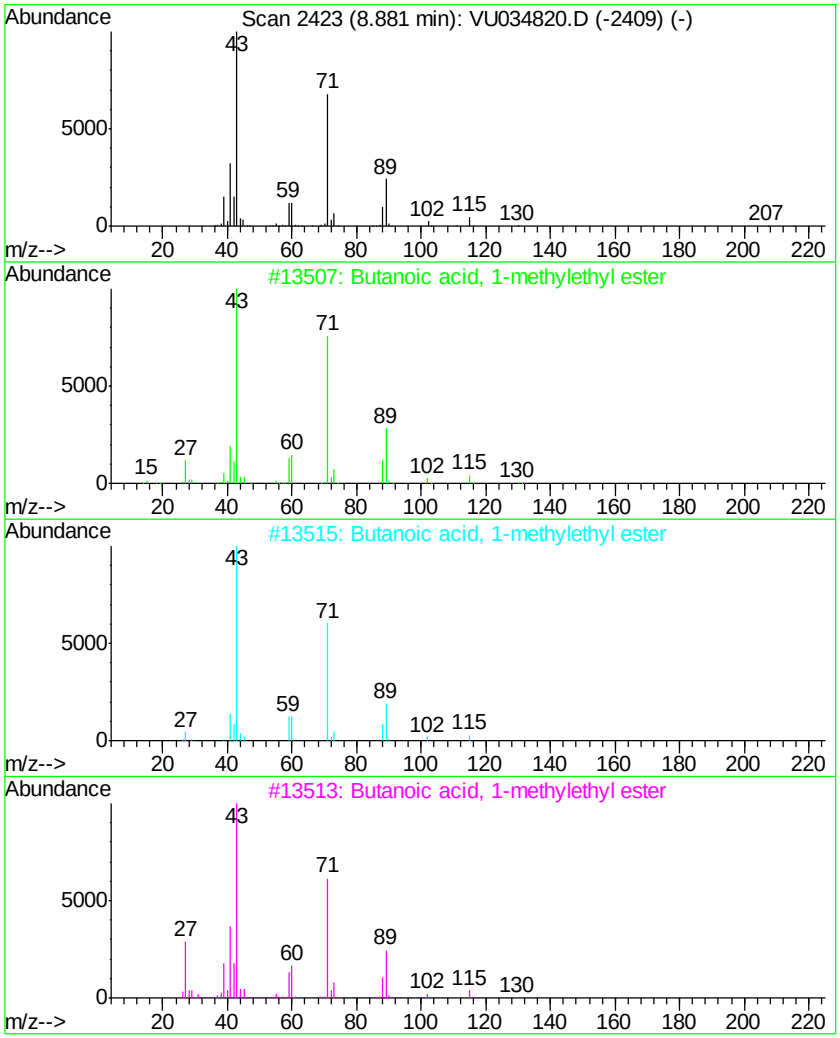
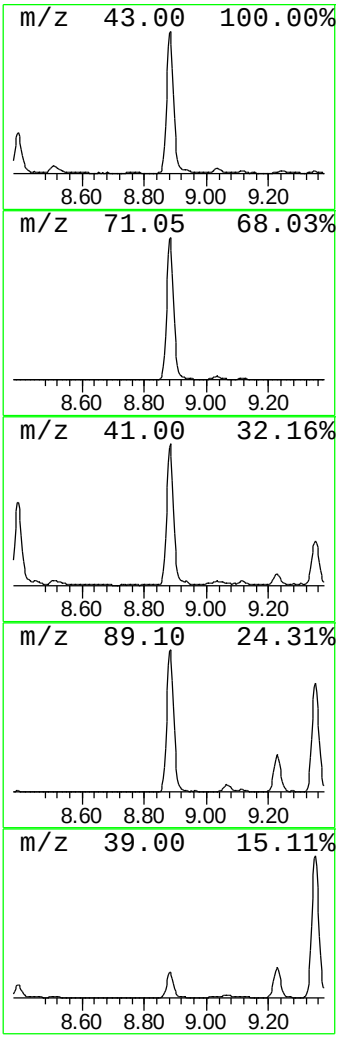
Peak Number 8 Butanoic acid, 1-methylethy... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.88	35.29 ug/L	1119410	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	91
2	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	90
3	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	90
4	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	86
5	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	72





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Acq On : 25 Sep 2019 22:18
Operator : JC/SP
Sample : K4983-10
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ3

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

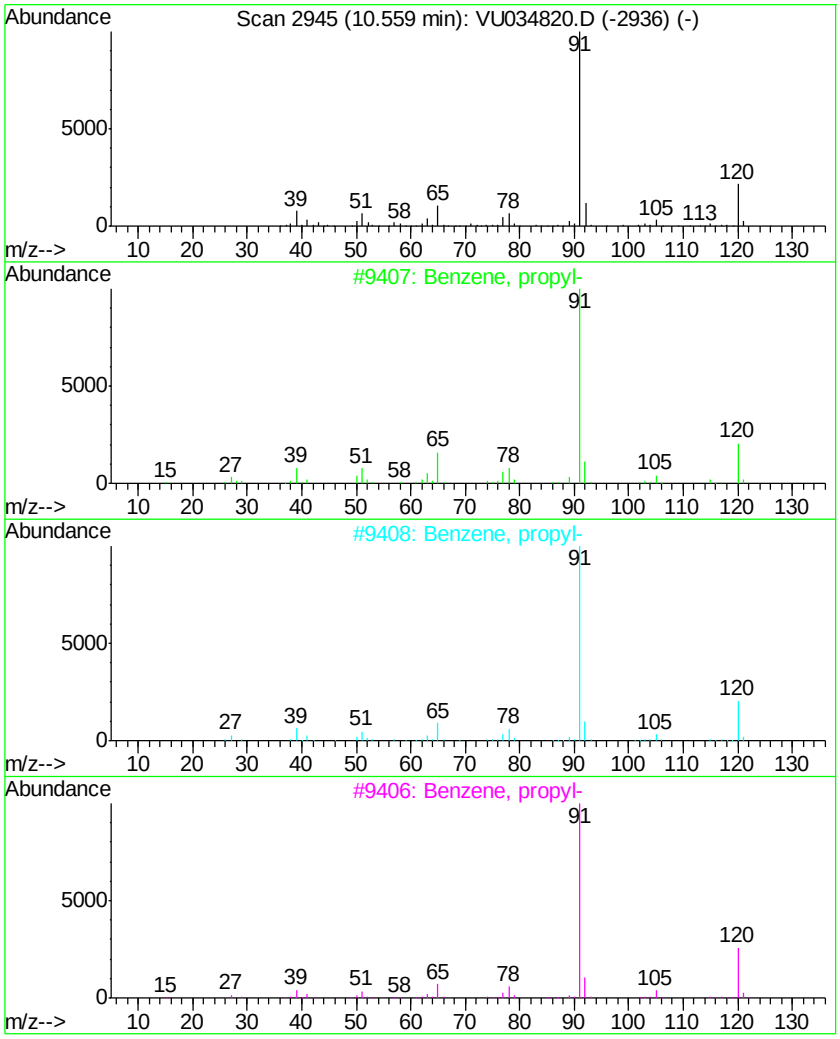
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

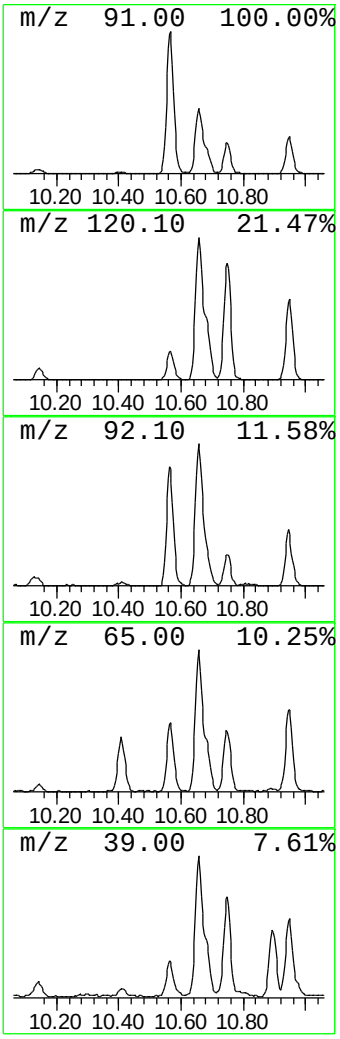
****

Peak Number 9 Benzene, propyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.56	13.82 ug/L	431284	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	91
2	Benzene, propyl-	120	C9H12	000103-65-1	90
3	Benzene, propyl-	120	C9H12	000103-65-1	90
4	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	83
5	1,2-Ethanediamine, N,N'-bis(phen...	240	C16H20N2	000140-28-3	72





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Acq On : 25 Sep 2019 22:18
Operator : JC/SP
Sample : K4983-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ3

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

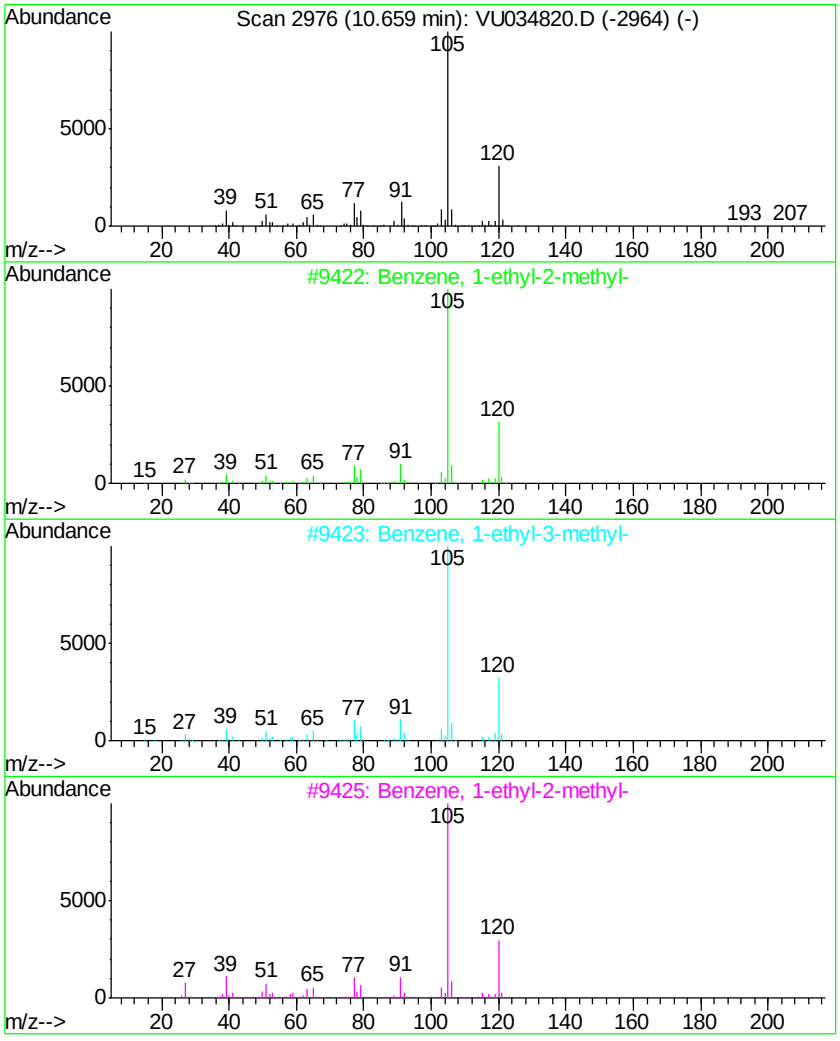
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

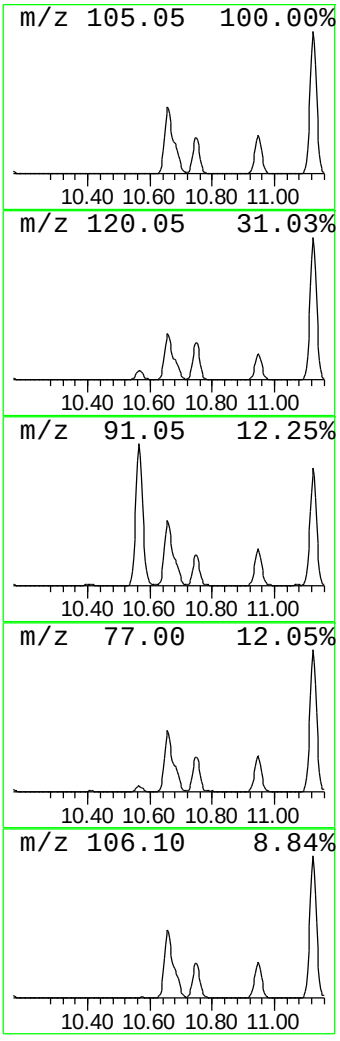
****

Peak Number 10 Benzene, 1-ethyl-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	73.19 ug/L	2283600	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	95
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Library Search Compound Report

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Data File : VU034820.D
Acq On : 25 Sep 2019 22:18
Operator : JC/SP
Sample : K4983-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ3

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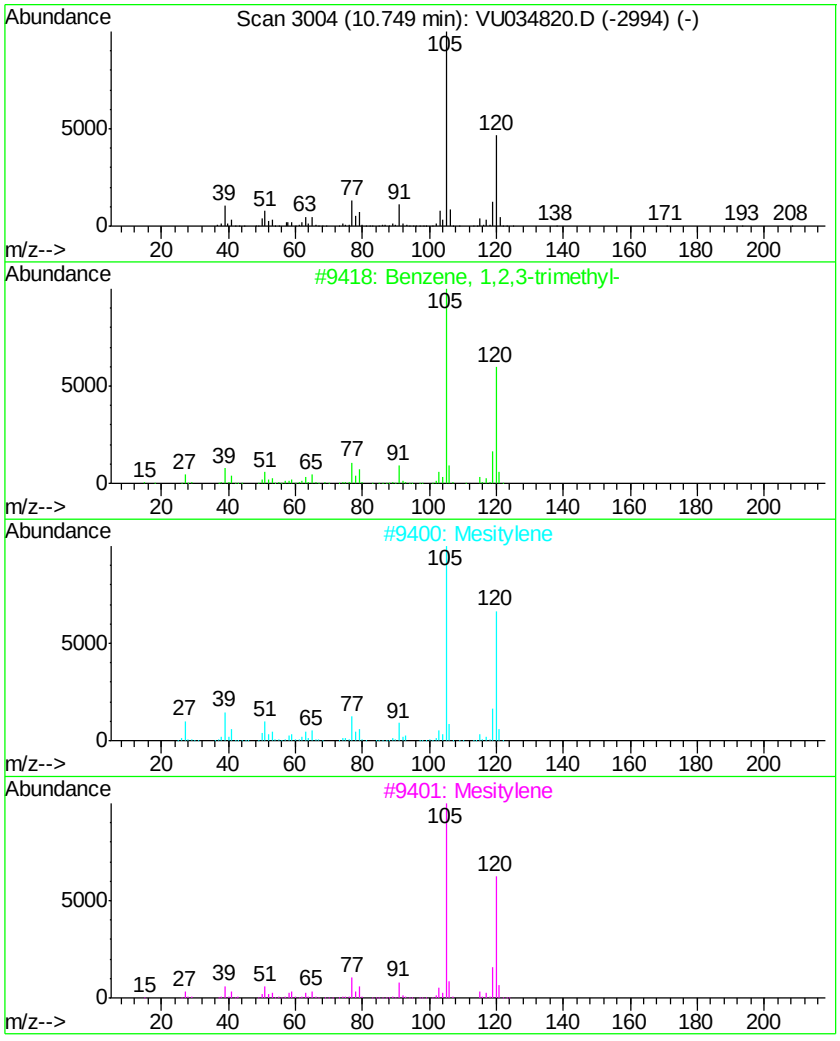
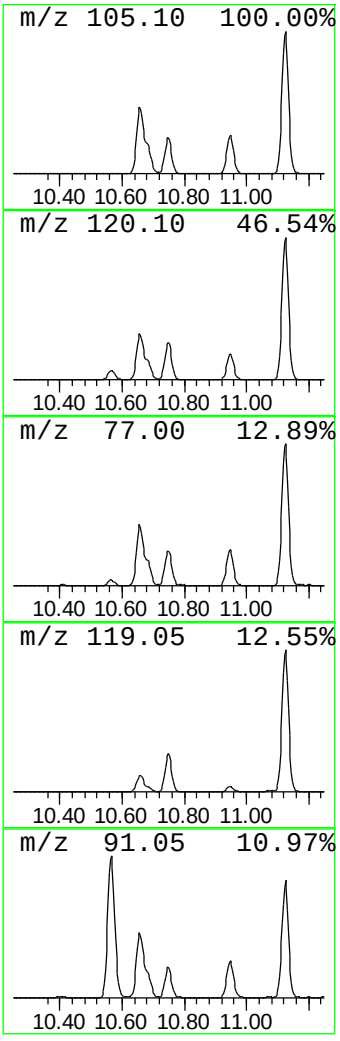
Peak Number 11 Benzene, 1,2,3-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	32.88 ug/L	1025860	1,4-Dichlorobenzene-d4	11.46

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	94
3	Mesitylene	120	C9H12	000108-67-8	94
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94





Library Search Compound Report

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Acq On : 25 Sep 2019 22:18
Operator : JC/SP
Sample : K4983-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ3

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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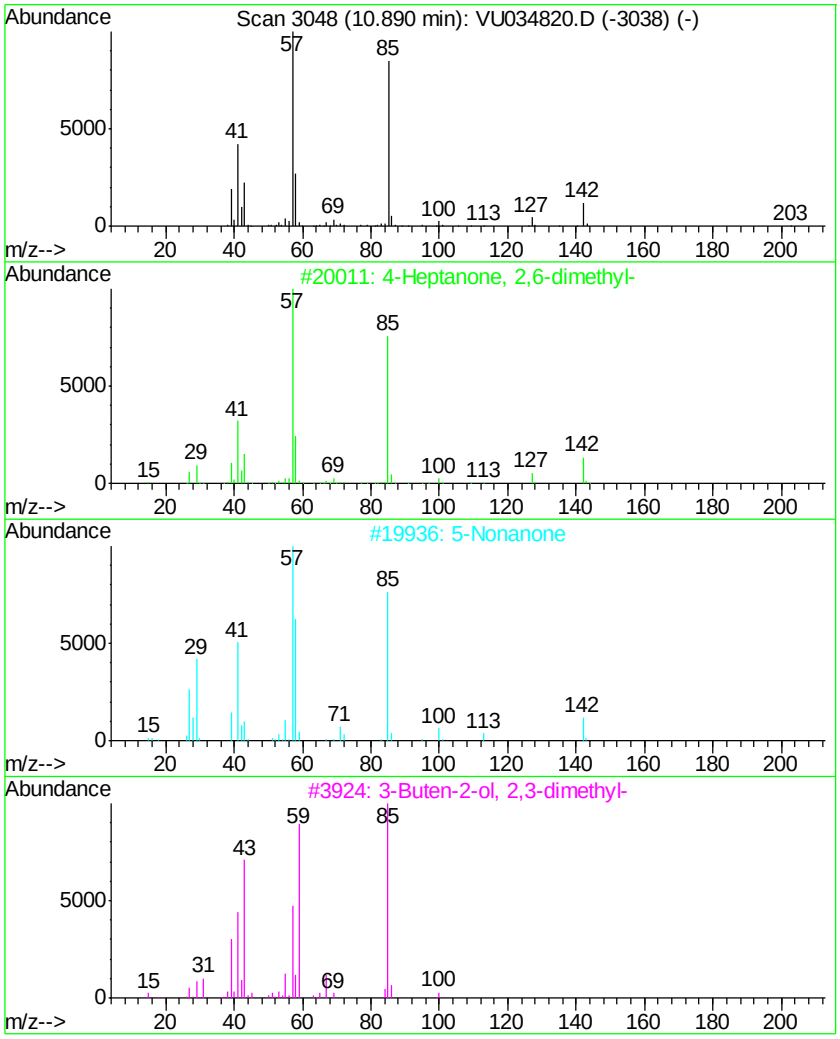
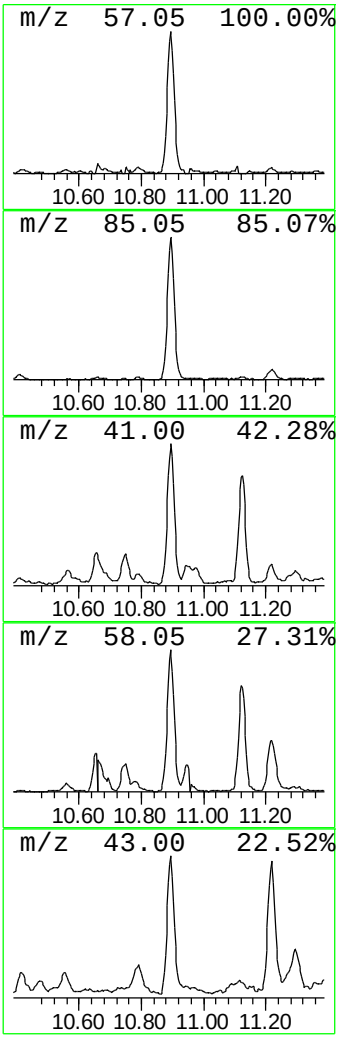
Peak Number 12 4-Heptanone, 2,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.89	17.23 ug/L	537718	1,4-Dichlorobenzene-d4	11.46

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	3-Buten-2-ol, 2,3-dimethyl-	100	C6H12O	010473-13-9	59
4	5-Nonanone	142	C9H18O	000502-56-7	59
5	2,4-Hexanedione, 5,5-dimethyl-	142	C8H14O2	007307-04-2	53





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Acq On : 25 Sep 2019 22:18
Operator : JC/SP
Sample : K4983-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ3

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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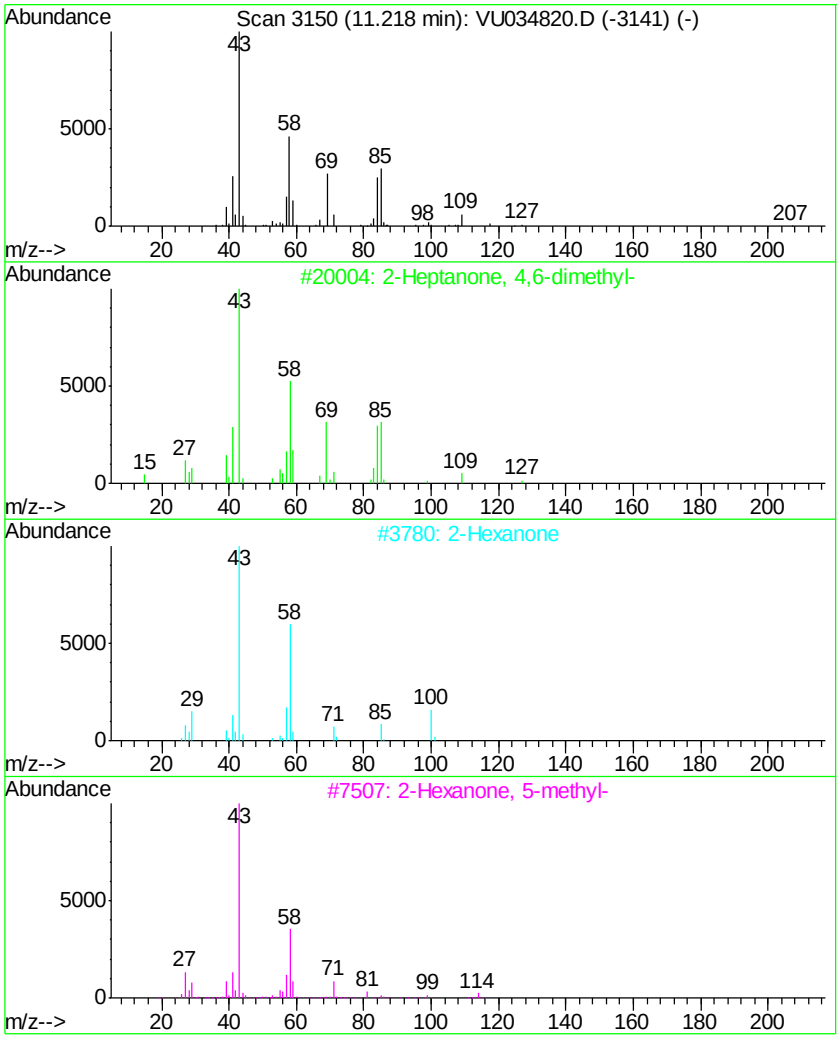
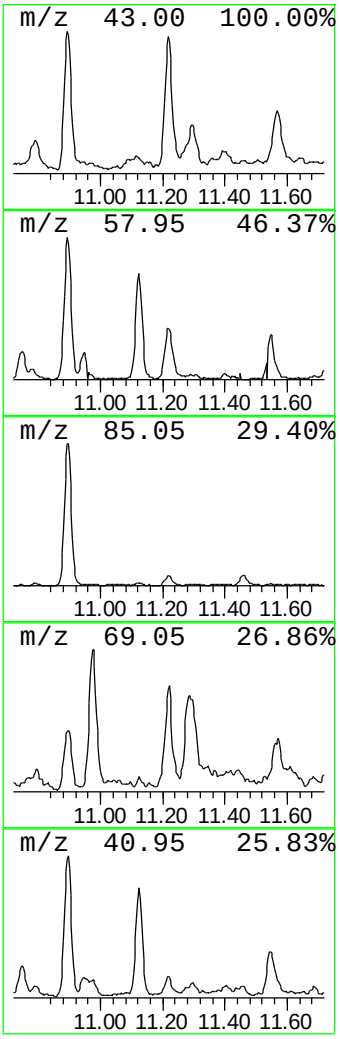
Peak Number 15 2-Heptanone, 4,6-dimethyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.22	3.58 ug/L	111655	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Heptanone, 4,6-dimethyl-	142	C9H18O	019549-80-5	56
2	2-Hexanone	100	C6H12O	000591-78-6	47
3	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	40
4	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	38
5	Dichloroacetic acid, 4-methylpen...	212	C8H14Cl2O2	1000282-43-7	37





Library Search Compound Report

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Data File : VU034820.D
Acq On : 25 Sep 2019 22:18
Operator : JC/SP
Sample : K4983-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ3

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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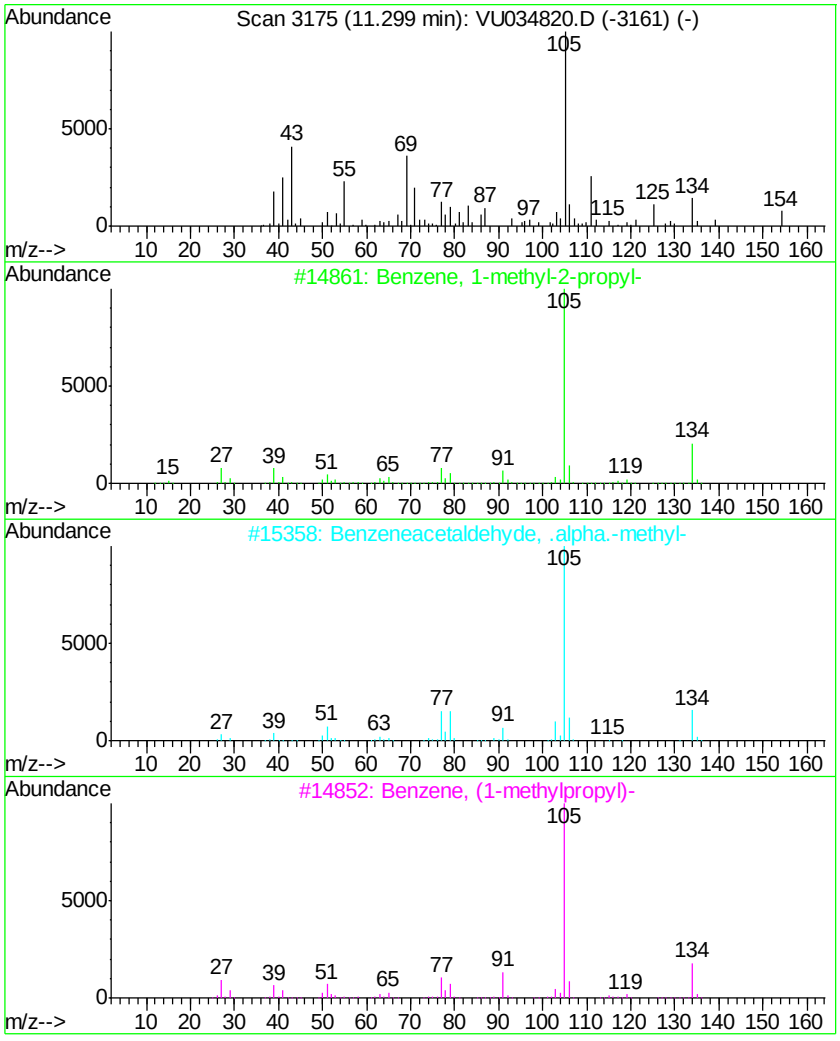
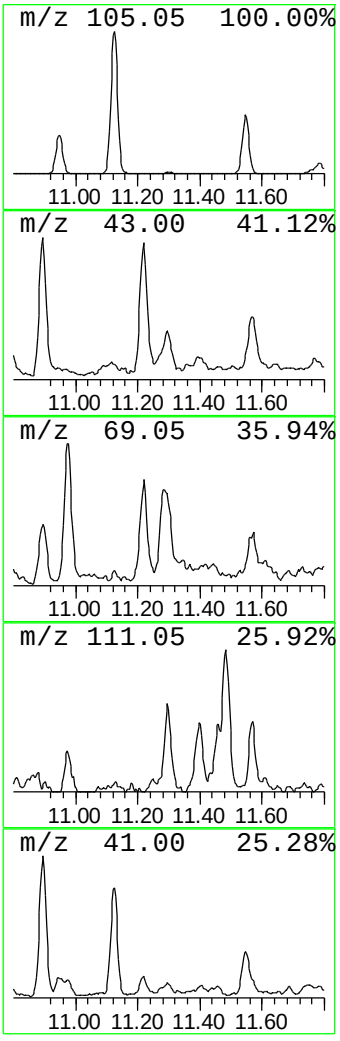
Peak Number 16 unknown-01 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.30	4.72 ug/L	147189	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	30
2	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	30
3	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	30
4	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	25
5	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	25





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Acq On : 25 Sep 2019 22:18
Operator : JC/SP
Sample : K4983-10
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ3

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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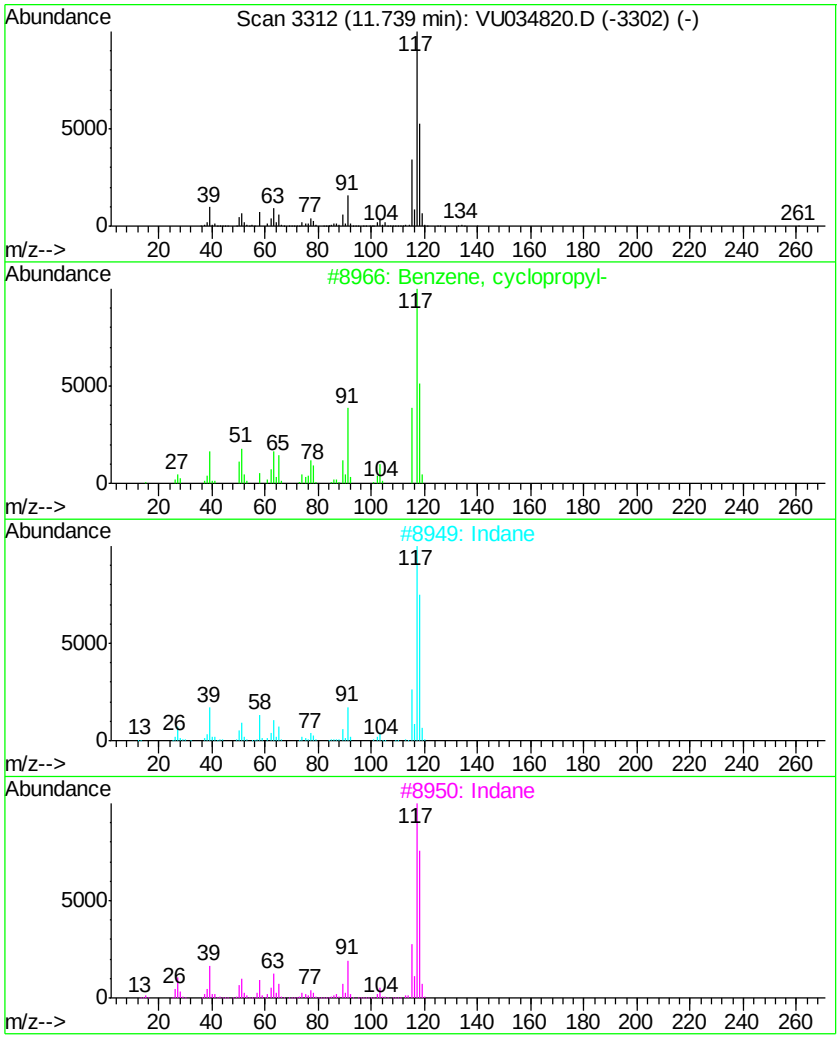
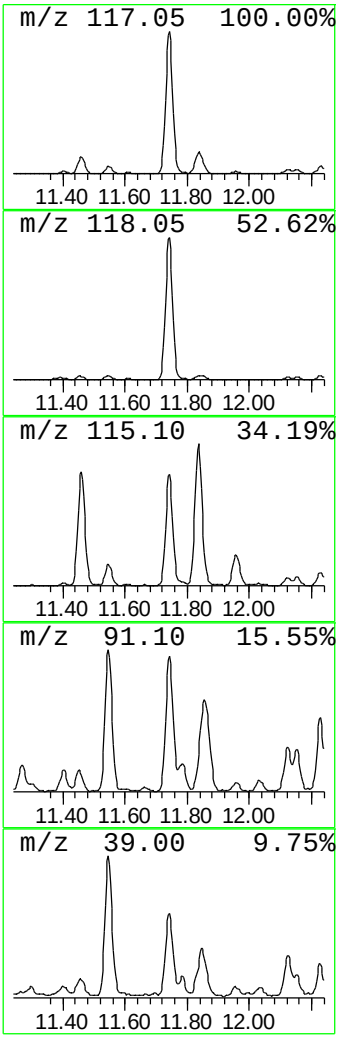
Peak Number 18 Benzene, cyclopropyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	40.83 ug/L	1273920	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, cyclopropyl-	118	C9H10	000873-49-4	94
2	Indane	118	C9H10	000496-11-7	91
3	Indane	118	C9H10	000496-11-7	90
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	87
5	Indane	118	C9H10	000496-11-7	87





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Acq On : 25 Sep 2019 22:18
Operator : JC/SP
Sample : K4983-10
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ3

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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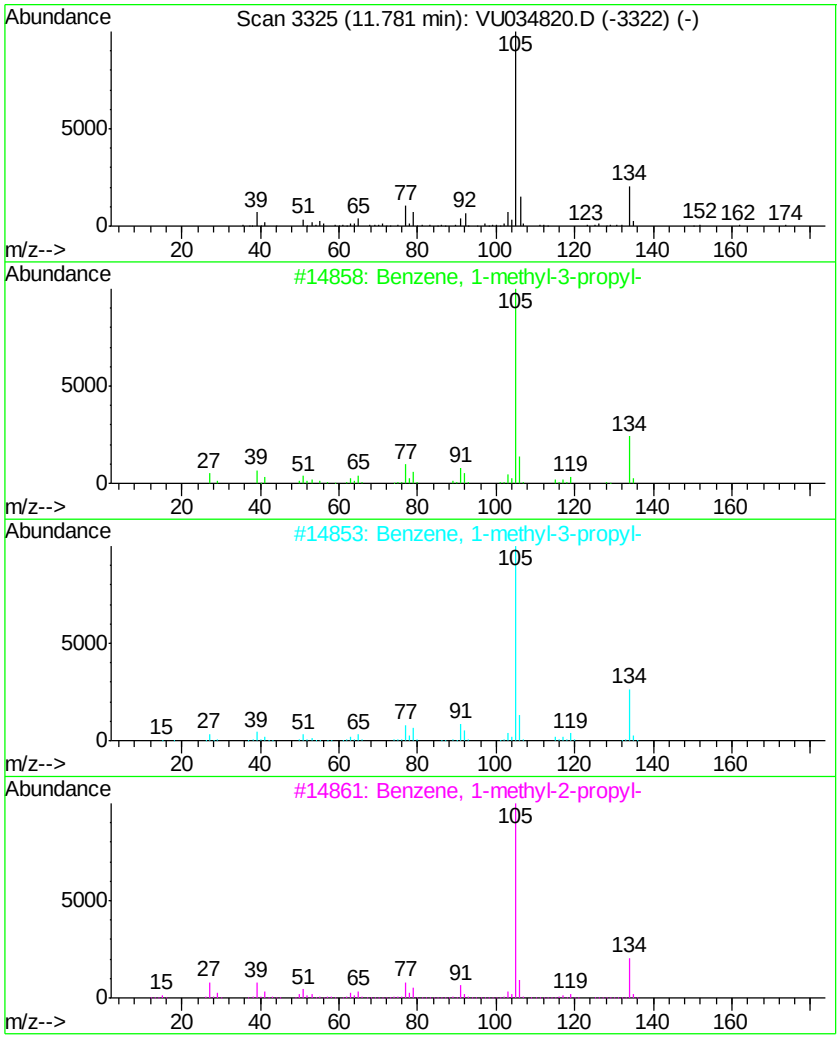
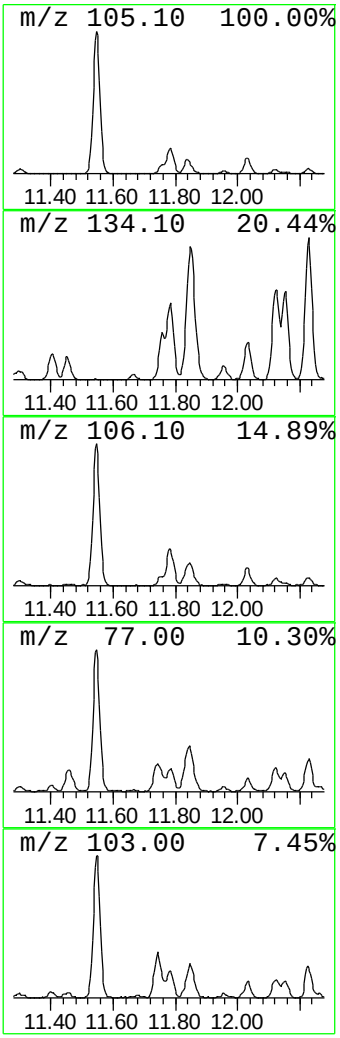
Peak Number 19 Benzene, 1-methyl-3-propyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	5.83 ug/L	181837	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	83
2	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	80
3	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	80
4	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	80
5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	72





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Acq On : 25 Sep 2019 22:18
Operator : JC/SP
Sample : K4983-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ3

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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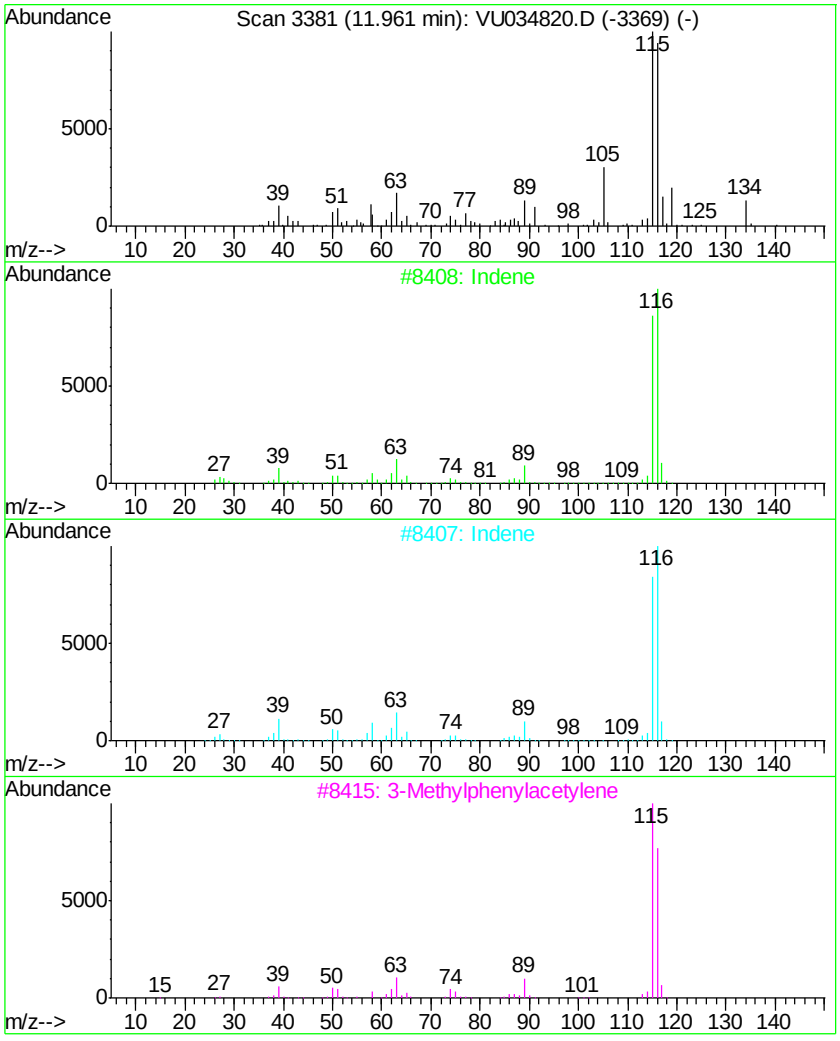
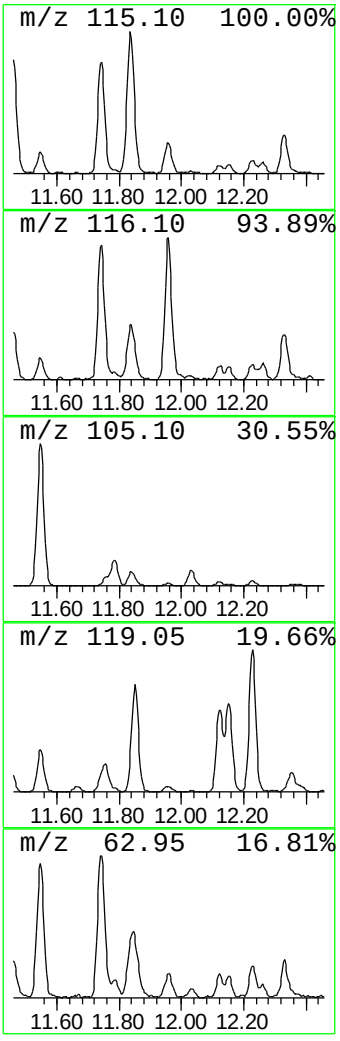
Peak Number 20 Indene Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	5.33 ug/L	166418	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	95
2	Indene	116	C9H8	000095-13-6	93
3	3-Methylphenylacetylene	116	C9H8	000766-82-5	92
4	Indene	116	C9H8	000095-13-6	70
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	70





Library Search Compound Report

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Data File : VU034820.D
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Operator : JC/SP
Sample : K4983-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ3

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Quant Title : VOC Analysis

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

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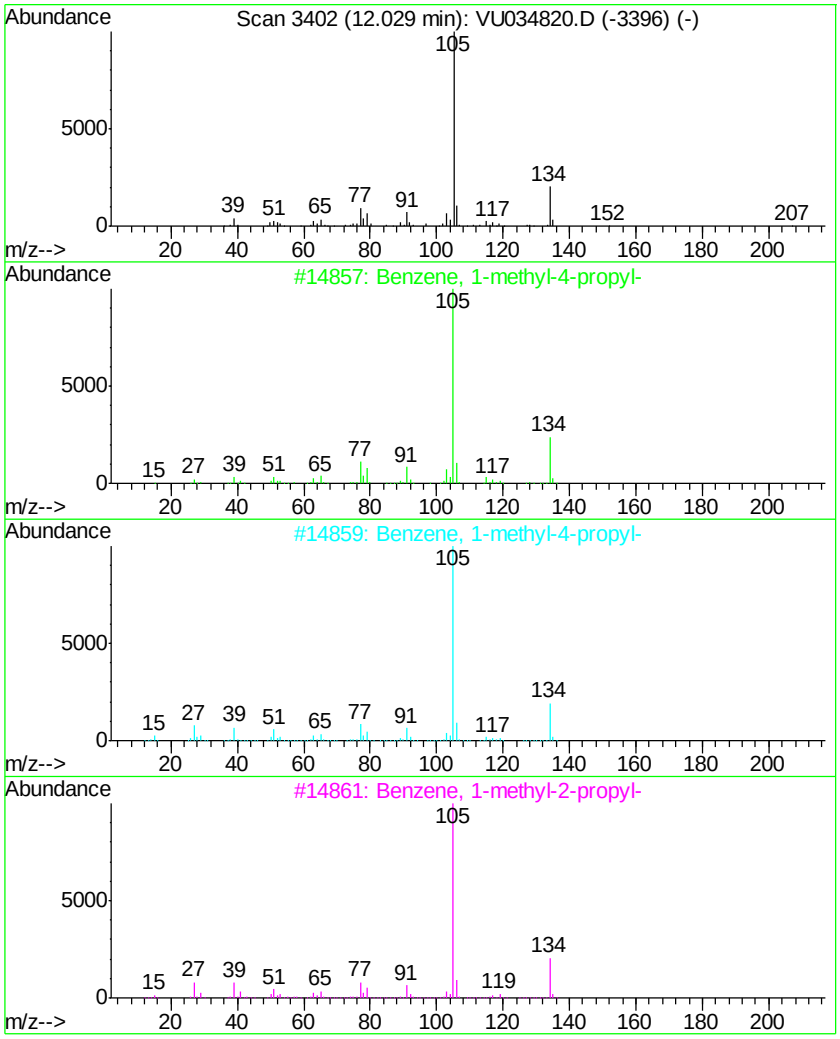
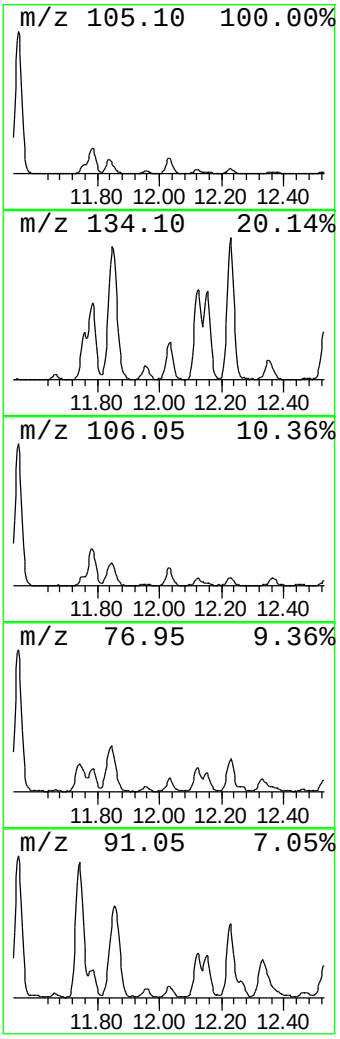
Peak Number 21 Benzene, 1-methyl-4-propyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	5.13 ug/L	160086	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	95
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
3	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	90
4	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	90
5	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	90





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Data File : VU034820.D
Acq On : 25 Sep 2019 22:18
Operator : JC/SP
Sample : K4983-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ3

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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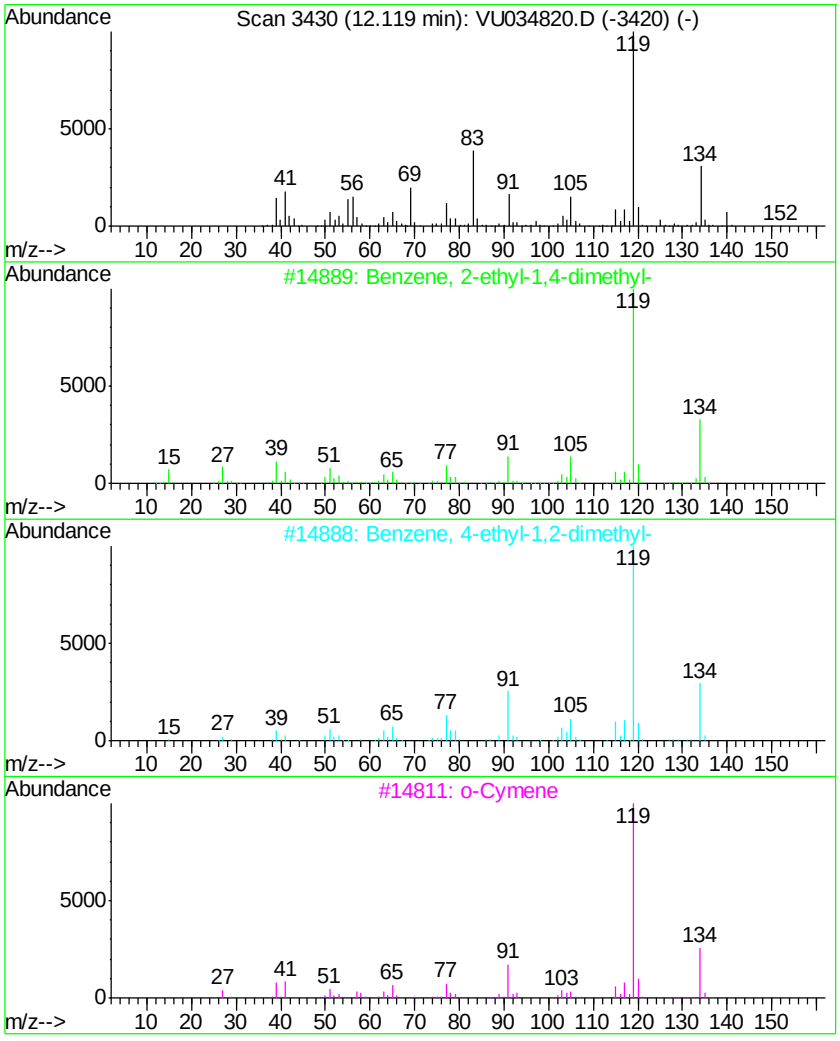
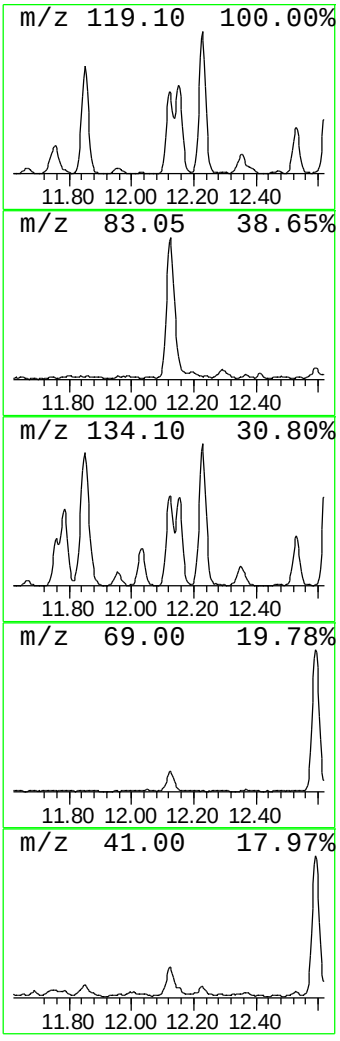
Peak Number 22 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	17.92 ug/L	559063	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	95
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	p-Cymene	134	C10H14	000099-87-6	95
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034820.D
Acq On : 25 Sep 2019 22:18
Operator : JC/SP
Sample : K4983-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ3

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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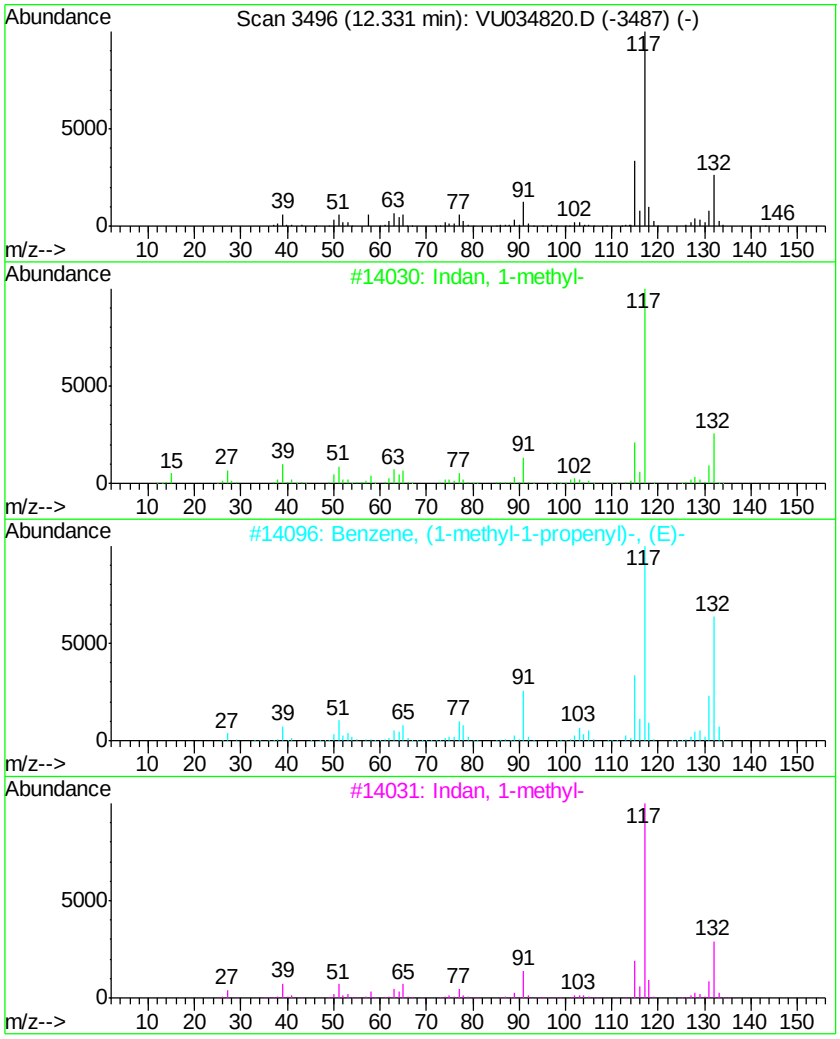
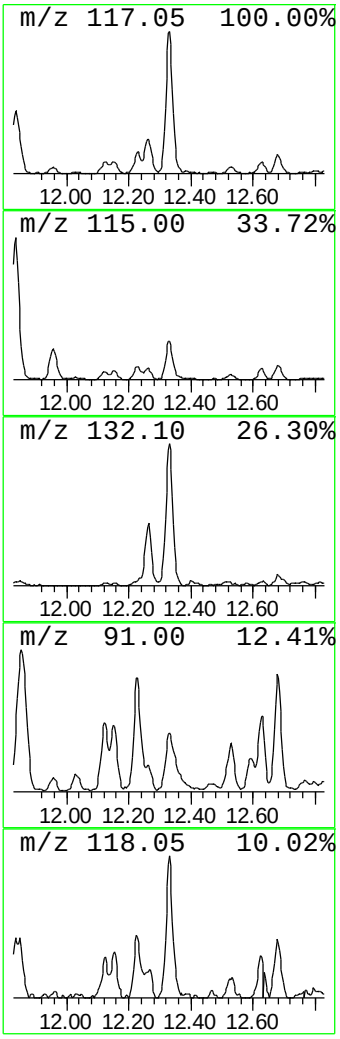
Peak Number 24 Indan, 1-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	13.81 ug/L	430955	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	93
2	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	90
3	Indan, 1-methyl-	132	C10H12	000767-58-8	87
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	87
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	86





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034820.D
Acq On : 25 Sep 2019 22:18
Operator : JC/SP
Sample : K4983-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ3

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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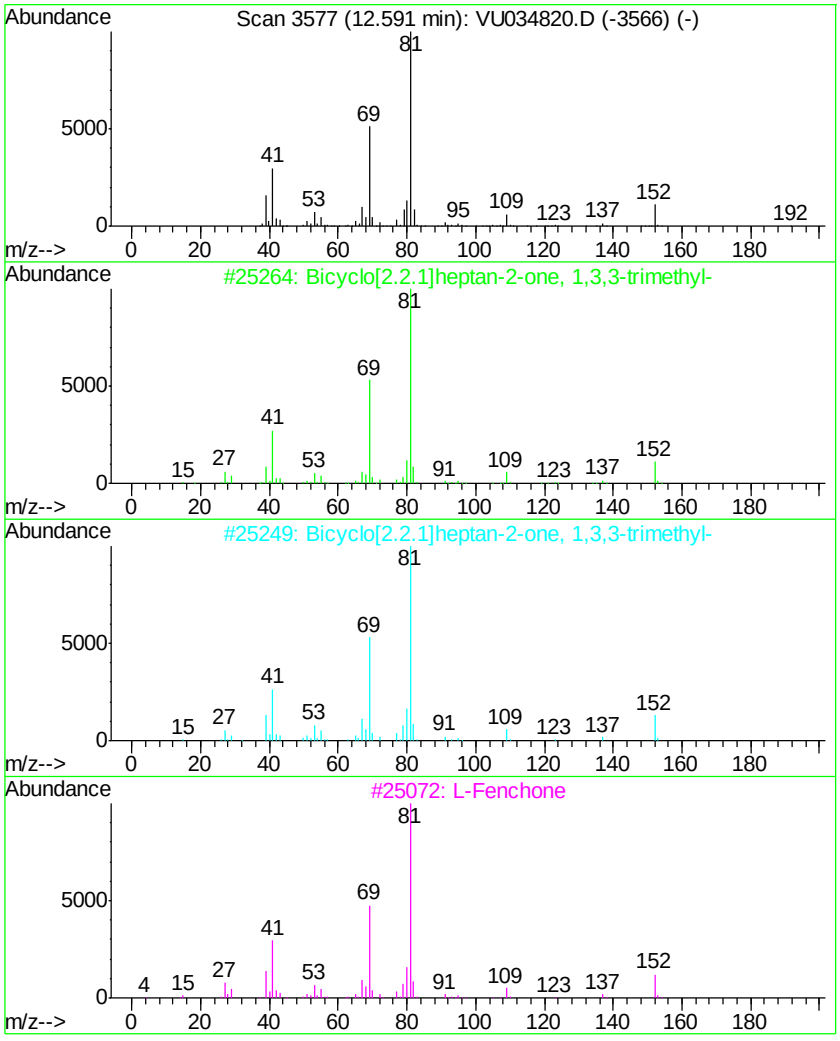
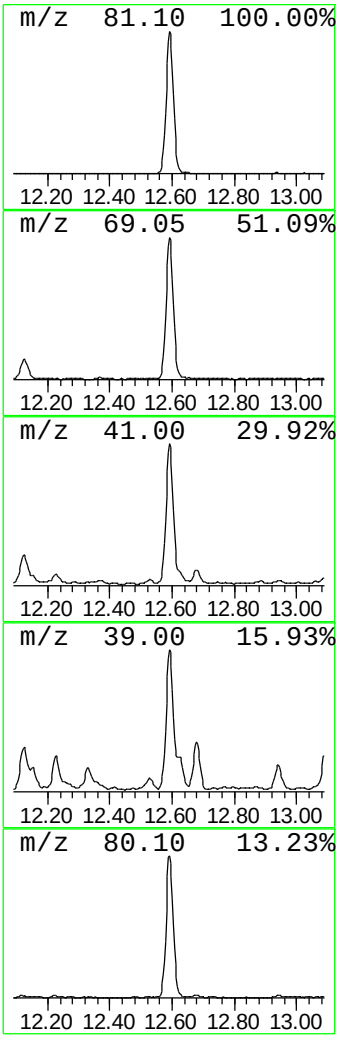
Peak Number 26 Bicyclo[2.2.1]heptan-2-one,... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	38.07 ug/L	1187910	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	95
2	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	95
3	L-Fenchone	152	C10H16O	007787-20-4	94
4	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	91
5	D-Fenchone	152	C10H16O	004695-62-9	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034820.D
Acq On : 25 Sep 2019 22:18
Operator : JC/SP
Sample : K4983-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ3

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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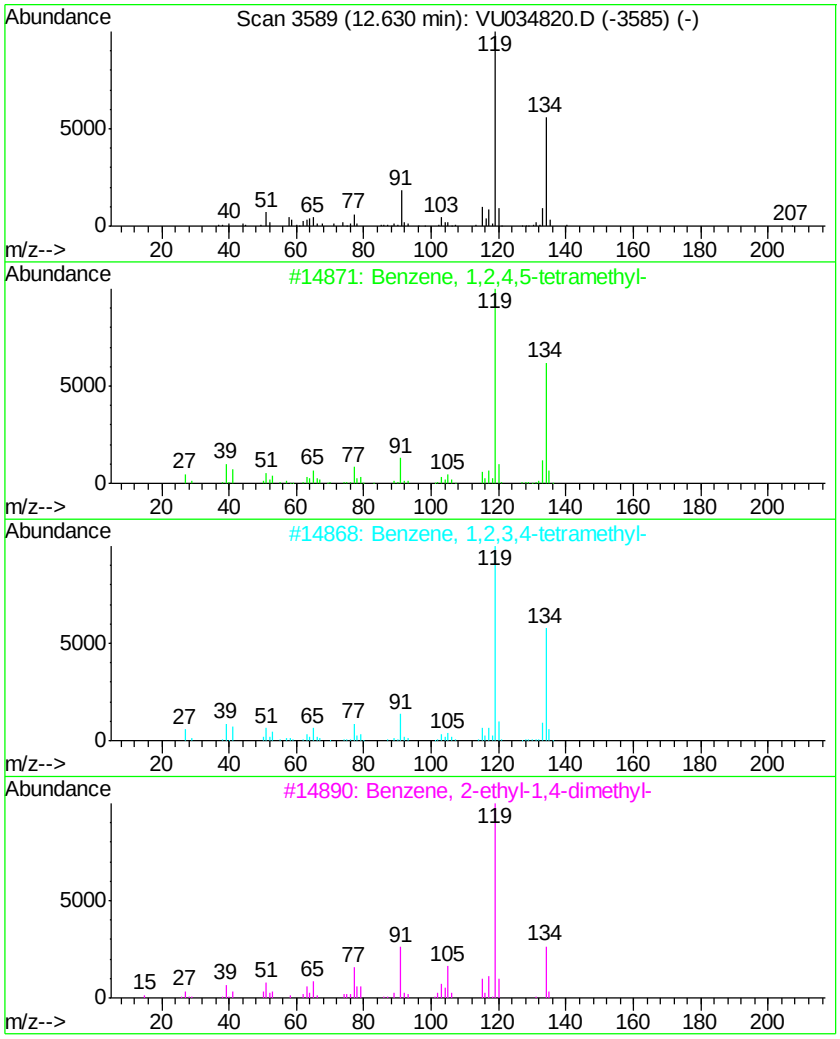
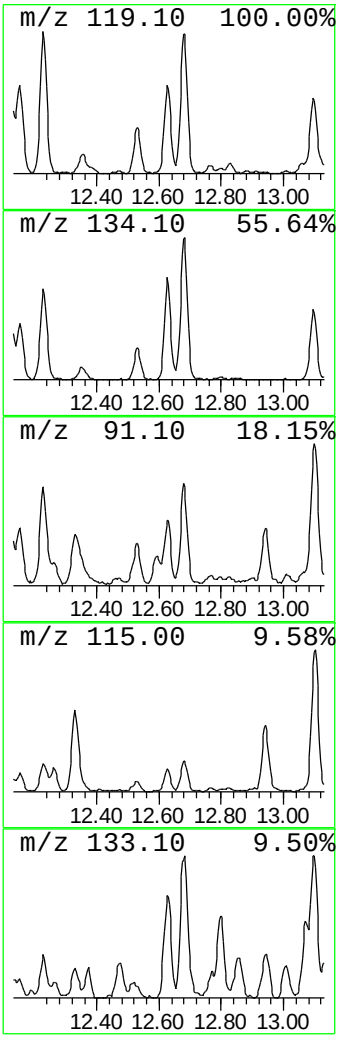
Peak Number 27 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	9.79 ug/L	305522	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91





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Data File : VU034820.D
Acq On : 25 Sep 2019 22:18
Operator : JC/SP
Sample : K4983-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ3

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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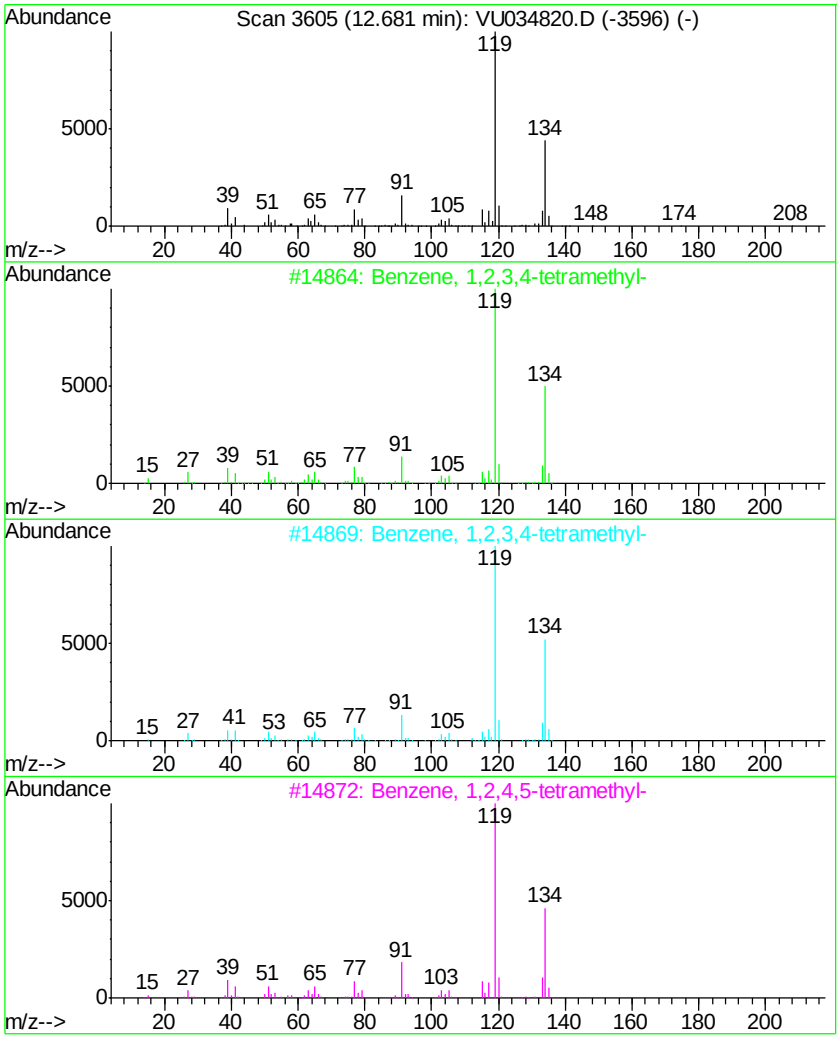
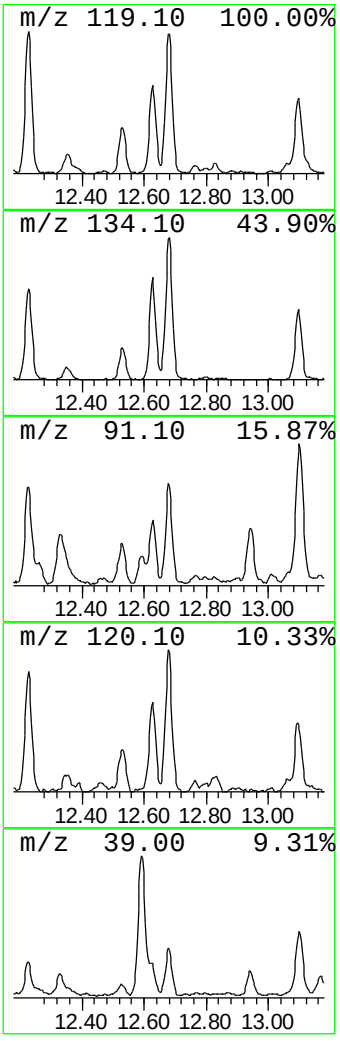
Peak Number 28 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.68	18.21 ug/L	568087	1,4-Dichlorobenzene-d4	11.46

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034820.D
Acq On : 25 Sep 2019 22:18
Operator : JC/SP
Sample : K4983-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ3

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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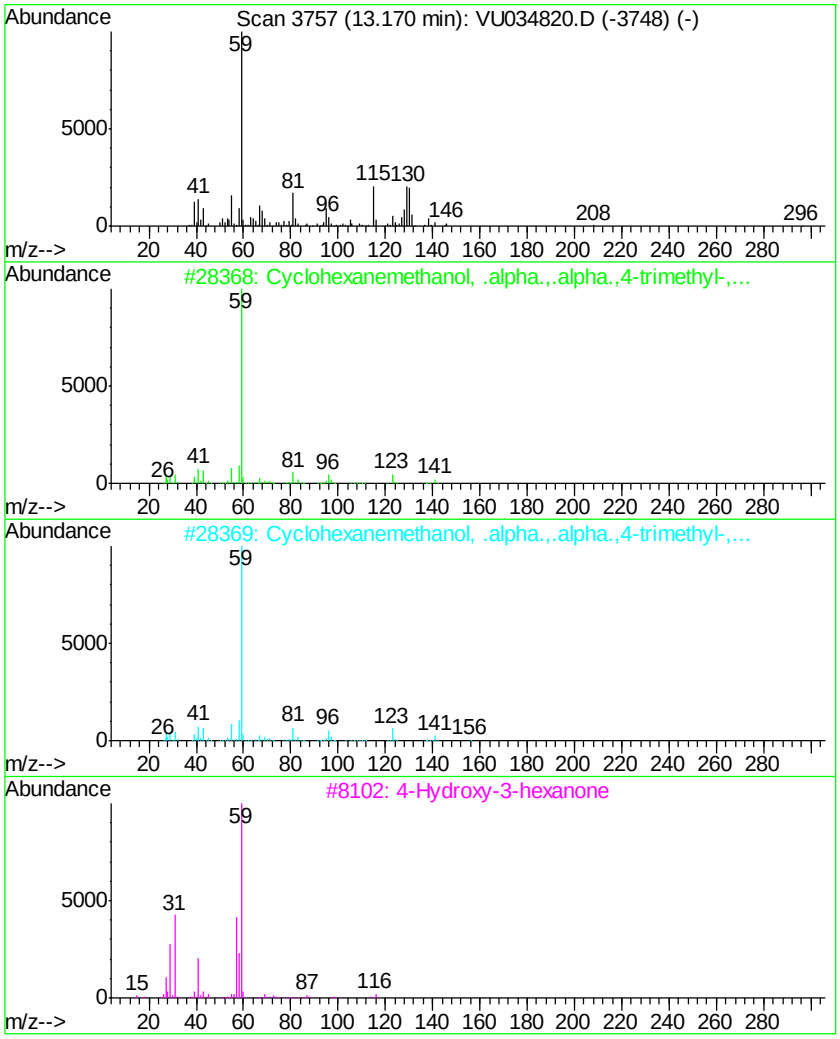
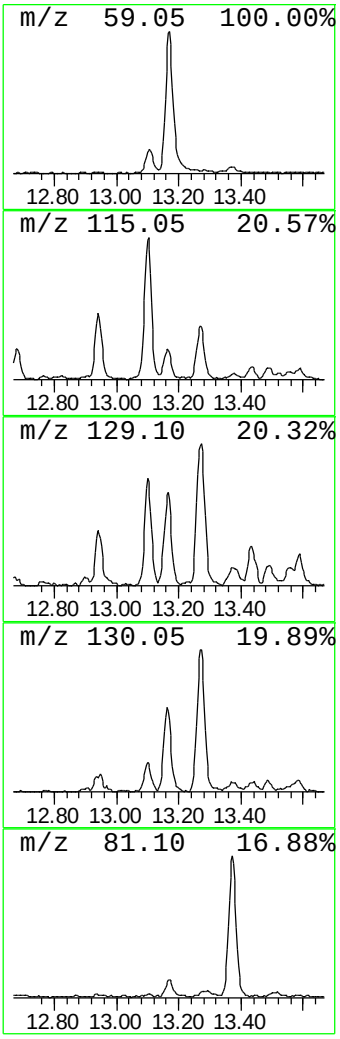
Peak Number 31 unknown-02 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	8.57 ug/L	267285	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanemethanol, .alpha.,.al...	156	C10H20O	007322-63-6	35
2	Cyclohexanemethanol, .alpha.,.al...	156	C10H20O	005114-00-1	35
3	4-Hydroxy-3-hexanone	116	C6H12O2	004984-85-4	35
4	Cyclohexanemethanol, .alpha.,.al...	156	C10H20O	000498-81-7	32
5	Cyclohexanemethanol, .alpha.,.al...	156	C10H20O	000498-81-7	25





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034820.D
Acq On : 25 Sep 2019 22:18
Operator : JC/SP
Sample : K4983-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ3

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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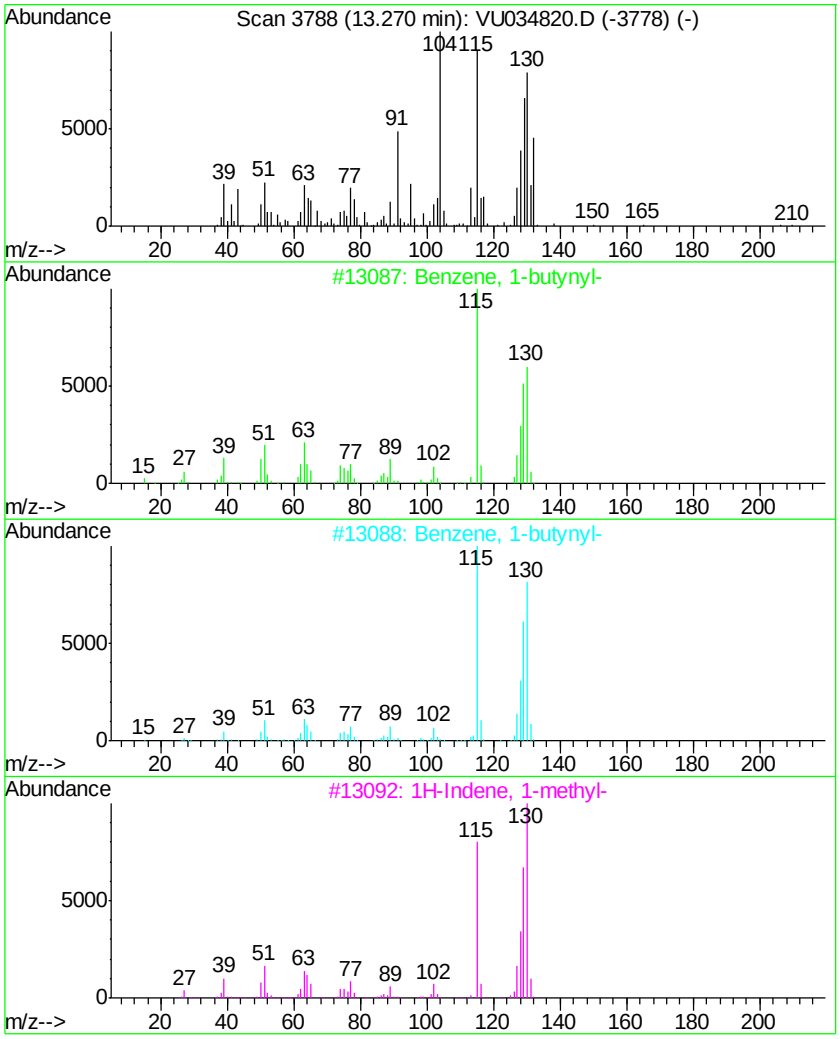
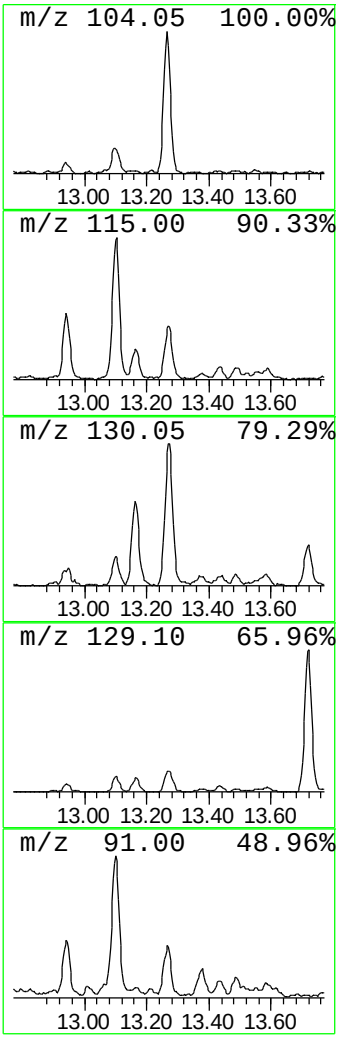
Peak Number 32 Benzene, 1-butynyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	11.12 ug/L	347092	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-butynyl-	130	C10H10	000622-76-4	52
2	Benzene, 1-butynyl-	130	C10H10	000622-76-4	50
3	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	50
4	2-Methylindene	130	C10H10	002177-47-1	50
5	Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	46





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034820.D
Acq On : 25 Sep 2019 22:18
Operator : JC/SP
Sample : K4983-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ3

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	7.3	ug/L	188569	1	5.86	1282420	50.0
n-Propyl acetate	6.68	126.7	ug/L	3250490	1	5.86	1282420	50.0
Propanoic acid, 1...	7.40	14.8	ug/L	378391	1	5.86	1282420	50.0
Propanoic acid, 2...	8.13	18.1	ug/L	575335	2	9.07	1586130	50.0
Propanoic acid, p...	8.40	33.4	ug/L	1060060	2	9.07	1586130	50.0
Butanoic acid, 1-...	8.88	35.3	ug/L	1119410	2	9.07	1586130	50.0
Benzene, propyl-	10.56	13.8	ug/L	431284	3	11.46	1560140	50.0
Benzene, 1-ethyl-...	10.66	73.2	ug/L	2283600	3	11.46	1560140	50.0
Benzene, 1,2,3-tr...	10.75	32.9	ug/L	1025860	3	11.46	1560140	50.0
4-Heptanone, 2,6-...	10.89	17.2	ug/L	537718	3	11.46	1560140	50.0
2-Heptanone, 4,6-...	11.22	3.6	ug/L	111655	3	11.46	1560140	50.0
unknown-01	11.30	4.7	ug/L	147189	3	11.46	1560140	50.0
Benzene, cyclopro...	11.74	40.8	ug/L	1273920	3	11.46	1560140	50.0
Benzene, 1-methyl...	11.78	5.8	ug/L	181837	3	11.46	1560140	50.0
Indene	11.96	5.3	ug/L	166418	3	11.46	1560140	50.0
Benzene, 1-methyl...	12.03	5.1	ug/L	160086	3	11.46	1560140	50.0
Benzene, 2-ethyl-...	12.12	17.9	ug/L	559063	3	11.46	1560140	50.0
Indan, 1-methyl-	12.33	13.8	ug/L	430955	3	11.46	1560140	50.0
Bicyclo[2.2.1]hep...	12.59	38.1	ug/L	1187910	3	11.46	1560140	50.0
Benzene, 1,2,4,5-...	12.63	9.8	ug/L	305522	3	11.46	1560140	50.0
Benzene, 1,2,3,4-...	12.68	18.2	ug/L	568087	3	11.46	1560140	50.0
unknown-02	13.17	8.6	ug/L	267285	3	11.46	1560140	50.0
Benzene, 1-butynyl-	13.27	11.1	ug/L	347092	3	11.46	1560140	50.0