LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091919\
Data File : VU034666.D
Acq On : 19 Sep 2019 22:59
Operator : JC/SP
Sample : K4895-12
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH9

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	23	27	32	rBV3	7290	6540	0.17%	0.012%
2	1.396	86	95	105	rBV	359661	377885	9.54%	0.720%
3	1.466	112	117	124	rBV	14195	16815	0.42%	0.032%
4	1.537	132	139	149	rBV3	26035	39627	1.00%	0.076%
5	1.672	173	181	195	rBV	276264	349855	8.83%	0.667%
6	2.260	353	364	374	rBV	485167	744024	18.77%	1.418%
7	2.305	374	378	390	rVB	30526	48131	1.21%	0.092%
8	2.601	464	470	475	rBV5	4249	5943	0.15%	0.011%
9	2.688	485	497	508	rBV2	15150	26230	0.66%	0.050%
10	4.058	914	923	926	rBV7	6385	8877	0.22%	0.017%
11	4.151	940	952	982	rBV	208063	569343	14.37%	1.085%
12	4.624	1083	1099	1117	rBV2	365174	864847	21.82%	1.648%
13	4.971	1192	1207	1221	rVB3	18405	43157	1.09%	0.082%
14	5.318	1289	1315	1349	rBV2	759893	2345887	59.19%	4.471%
15	5.530	1363	1381	1398	rBV2	100600	223790	5.65%	0.426%
16	5.865	1470	1485	1508	rBV	607183	1228358	31.00%	2.341%
17	6.170	1566	1580	1600	rVB7	33064	91780	2.32%	0.175%
18	6.309	1609	1623	1639	rBV	526808	1070219	27.01%	2.040%
19	6.399	1641	1651	1664	rVB6	38289	93076	2.35%	0.177%
20	6.518	1683	1688	1692	rBV4	4690	5528	0.14%	0.011%
21	6.572	1693	1705	1706	rVV2	15614	24355	0.61%	0.046%
22	6.588	1707	1710	1726	rVB3	23790	43477	1.10%	0.083%
23	6.682	1727	1739	1769	rBV	2167107	3963031	100.00%	7.553%
24	7.045	1843	1852	1862	rBV5	6919	12861	0.32%	0.025%
25	7.206	1890	1902	1923	rVV	308261	568769	14.35%	1.084%
26	7.399	1951	1962	1972	rBV	260817	466351	11.77%	0.889%
27	7.543	1994	2007	2019	rBV	1034367	1822505	45.99%	3.473%
28	7.614	2019	2029	2045	rVB	580667	1022387	25.80%	1.948%
29	7.826	2085	2095	2112	rBV2	284249	521236	13.15%	0.993%
30	8.135	2180	2191	2205	rBV	436281	726340	18.33%	1.384%
31	8.212	2206	2215	2219	rVV5	43920	76588	1.93%	0.146%
32	8.241	2219	2224	2230	rVV3	61305	95071	2.40%	0.181%
33	8.289	2230	2239	2261	rVV	868376	1573792	39.71%	2.999%
34	8.395	2262	2272	2299	rVV	773568	1302470	32.87%	2.482%

LSC Area Percent Report

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Operator : JC/SP
Sample : K4895-12
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH9

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	8.508	2300	2307	2324	rVB2	43926	82228	2.07%	0.157%
36	8.884	2411	2424	2448	rBV	894579	1441332	36.37%	2.747%
37	9.067	2460	2481	2507	rBV	930459	1653074	41.71%	3.150%
38	9.228	2520	2531	2553	rVB	314798	508904	12.84%	0.970%
39	9.350	2553	2569	2588	rBV	1352932	2263623	57.12%	4.314%
40	9.585	2635	2642	2653	rBV	23470	38905	0.98%	0.074%
41	9.755	2683	2695	2724	rVB	1020305	1710369	43.16%	3.260%
42	9.913	2734	2744	2748	rBV4	13141	21593	0.54%	0.041%
43	10.019	2770	2777	2786	rVB4	9895	15716	0.40%	0.030%
44	10.144	2806	2816	2829	rBV2	60929	100972	2.55%	0.192%
45	10.308	2858	2867	2874	rBV2	4950	9466	0.24%	0.018%
46	10.408	2886	2898	2913	rBV	677648	1097624	27.70%	2.092%
47	10.566	2937	2947	2958	rBV	100301	159109	4.01%	0.303%
48	10.656	2964	2975	2994	rBV	578391	1195472	30.17%	2.278%
49	10.749	2994	3004	3028	rVB	499898	796418	20.10%	1.518%
50	10.897	3042	3050	3056	rBV	36099	54970	1.39%	0.105%
51	10.948	3056	3066	3087	rVB	338241	555162	14.01%	1.058%
52	11.125	3109	3121	3136	rBV	1641900	2527634	63.78%	4.817%
53	11.202	3139	3145	3149	rVV6	5767	8599	0.22%	0.016%
54	11.302	3170	3176	3188	rVB3	26573	41543	1.05%	0.079%
55	11.405	3198	3208	3214	rBV	59392	91602	2.31%	0.175%
56	11.459	3214	3225	3241	rVV	952372	1543400	38.94%	2.941%
57	11.546	3241	3252	3266	rVB	763702	1173748	29.62%	2.237%
58	11.662	3284	3288	3300	rVB3	16695	24994	0.63%	0.048%
59	11.742	3301	3313	3322	rBV	397126	715562	18.06%	1.364%
60	11.784	3322	3326	3332	rVV	117930	161497	4.08%	0.308%
61	11.839	3332	3343	3366	rVB3	1153682	2339264	59.03%	4.458%
62	11.958	3371	3380	3394	rVV	77542	135013	3.41%	0.257%
63	12.032	3395	3403	3412	rVB	58632	94341	2.38%	0.180%
64	12.122	3421	3431	3436	rBV	156102	248327	6.27%	0.473%
65	12.151	3436	3440	3450	rVB	157197	224443	5.66%	0.428%
66	12.228	3454	3464	3471	rBV	229907	352788	8.90%	0.672%
67	12.331	3486	3496	3518	rBV2	235089	463472	11.69%	0.883%
68	12.472	3532	3540	3546	rBV9	15438	26136	0.66%	0.050%
69	12.527	3547	3557	3567	rVV2	104016	175570	4.43%	0.335%
70	12.591	3568	3577	3582	rVV	100098	169143	4.27%	0.322%
71	12.627	3582	3588	3596	rVV	190542	295101	7.45%	0.562%

LSC Area Percent Report

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Operator : JC/SP
Sample : K4895-12
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH9

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	12.681	3596	3605	3620	rVB	309190	482497	12.17%	0.920%
73	12.765	3625	3631	3637	rBV6	27166	38165	0.96%	0.073%
74	12.903	3668	3674	3677	rBV2	14998	17010	0.43%	0.032%
75	12.942	3677	3686	3700	rVB	266351	407904	10.29%	0.777%
76	13.099	3716	3735	3747	rBV2	674116	1135687	28.66%	2.164%
77	13.164	3749	3755	3765	rVV4	76097	130847	3.30%	0.249%
78	13.215	3765	3771	3777	rVV2	23123	35702	0.90%	0.068%
79	13.266	3778	3787	3804	rVB4	183197	317967	8.02%	0.606%
80	13.379	3810	3822	3831	rBV6	103567	191957	4.84%	0.366%
81	13.434	3831	3839	3847	rVV	108995	183147	4.62%	0.349%
82	13.488	3847	3856	3871	rVV5	129780	282567	7.13%	0.539%
83	13.556	3871	3877	3880	rVV2	57763	80734	2.04%	0.154%
84	13.588	3881	3887	3903	rVB3	114294	221504	5.59%	0.422%
85	13.720	3916	3928	3955	rBV	1891574	3079660	77.71%	5.869%
86	13.839	3956	3965	3981	rVB	111195	194924	4.92%	0.371%
87	13.935	3987	3995	4005	rBV7	38793	72675	1.83%	0.139%
88	13.990	4006	4012	4023	rVB3	45838	73359	1.85%	0.140%
89	14.048	4025	4030	4035	rVB8	6300	6006	0.15%	0.011%
90	14.131	4046	4056	4070	rBV	99611	170972	4.31%	0.326%
91	14.315	4103	4113	4125	rBV4	91790	205765	5.19%	0.392%
92	14.456	4148	4157	4167	rVV5	36357	70553	1.78%	0.134%
93	14.517	4167	4176	4188	rVB4	69147	125483	3.17%	0.239%
94	14.655	4210	4219	4231	rVB5	28369	56911	1.44%	0.108%
95	14.723	4237	4240	4253	rVB5	9597	13834	0.35%	0.026%
96	14.800	4254	4264	4270	rBV2	38121	62063	1.57%	0.118%
97	14.855	4270	4281	4308	rVB	646288	1125676	28.40%	2.145%
98	15.041	4327	4339	4354	rBV	437266	754616	19.04%	1.438%
99	15.787	4566	4571	4573	rBV5	6165	6047	0.15%	0.012%
100	16.041	4642	4650	4657	rBV4	18499	31295	0.79%	0.060%

Sum of corrected areas: 52471786

LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
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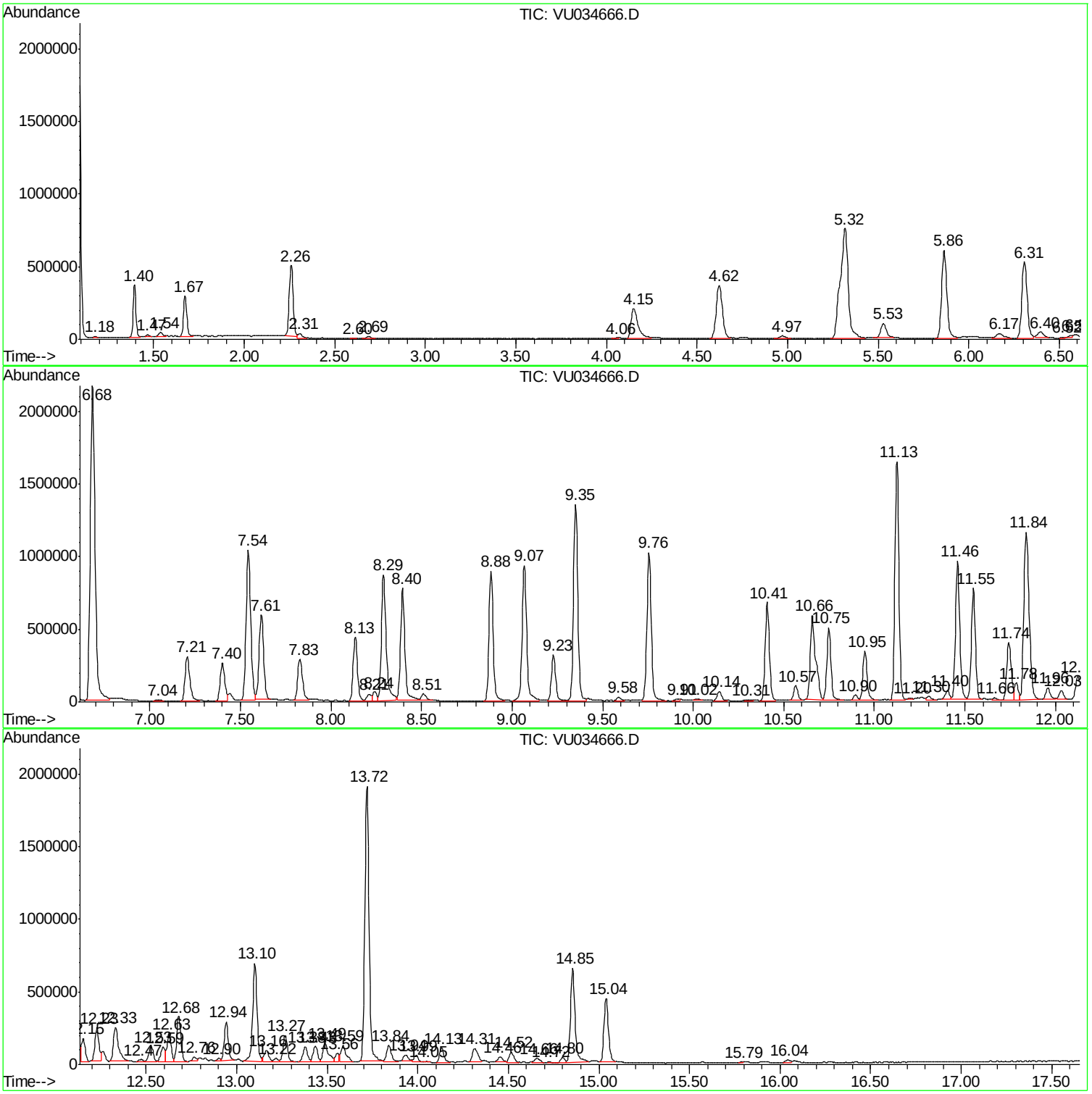
Acq On : 19 Sep 2019 22:59
Operator : JC/SP
Sample : K4895-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH9

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 : VU034666.D
Acq On : 19 Sep 2019 22:59
Operator : JC/SP
Sample : K4895-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH9

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

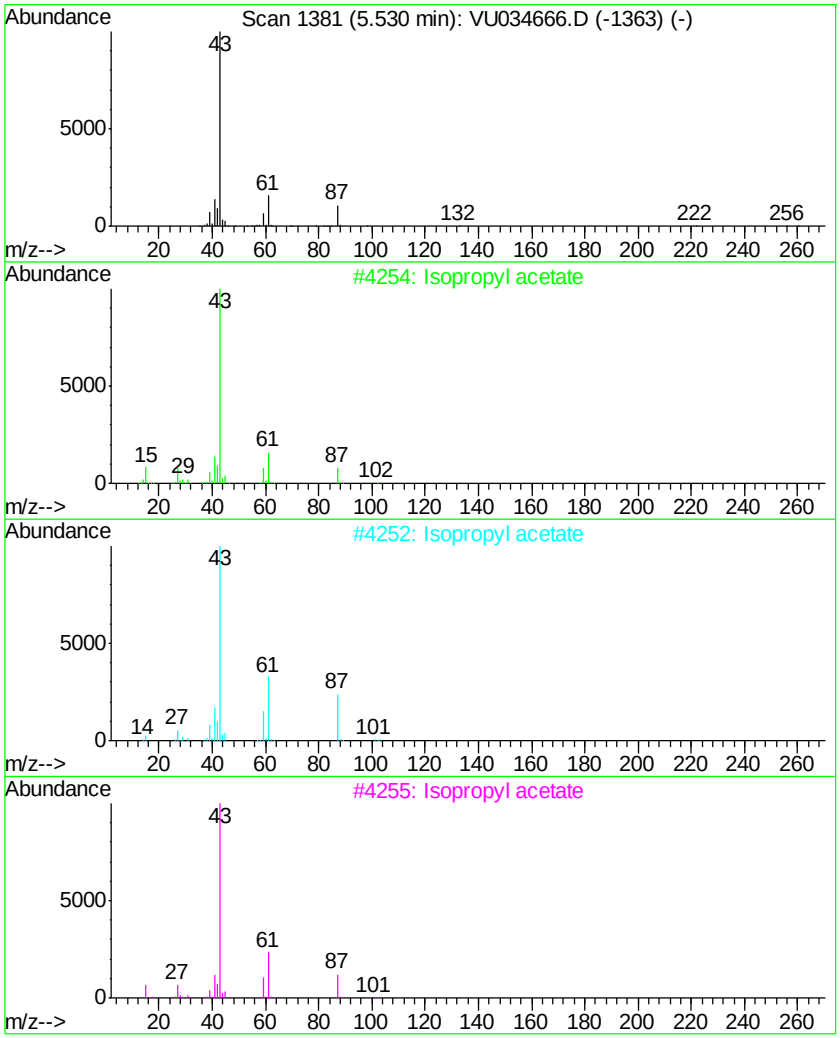
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

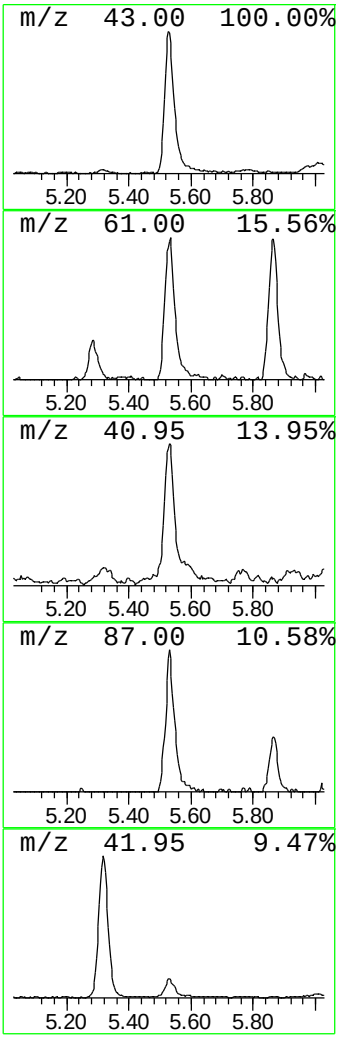
****

Peak Number 1 Isopropyl acetate Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.53	9.11 ug/L	223790	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropyl acetate	102	C5H10O2	000108-21-4	83
2	Isopropyl acetate	102	C5H10O2	000108-21-4	78
3	Isopropyl acetate	102	C5H10O2	000108-21-4	56
4	Isopropyl acetate	102	C5H10O2	000108-21-4	56
5	Acetaldehyde, O-ethyloxime-	87	C4H9NO	1000288-34-6	25





Library Search Compound Report

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Data File : VU034666.D
Acq On : 19 Sep 2019 22:59
Operator : JC/SP
Sample : K4895-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH9

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

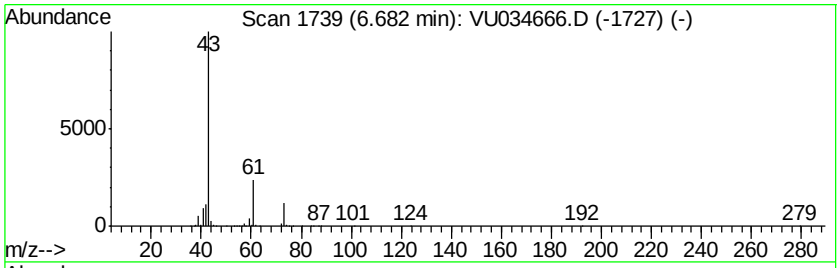
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

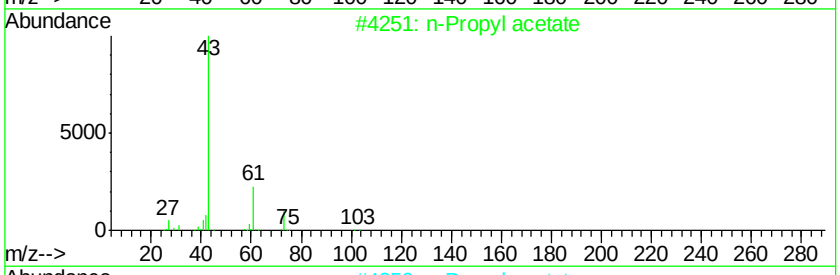
****

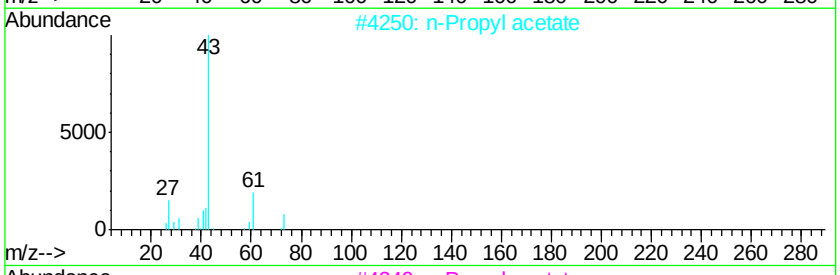
Peak Number 2 n-Propyl acetate Concentration Rank 1

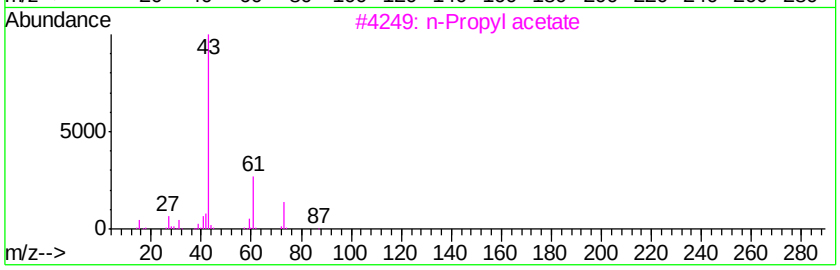
R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	161.31 ug/L	3963030	1,4-Difluorobenzene	5.86

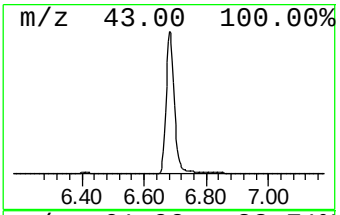
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Propyl acetate	102	C5H10O2	000109-60-4	83
2	n-Propyl acetate	102	C5H10O2	000109-60-4	78
3	n-Propyl acetate	102	C5H10O2	000109-60-4	78
4	Isopropyl acetate	102	C5H10O2	000108-21-4	36
5	Isopropyl acetate	102	C5H10O2	000108-21-4	9

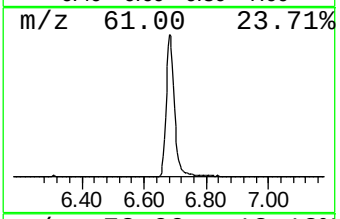


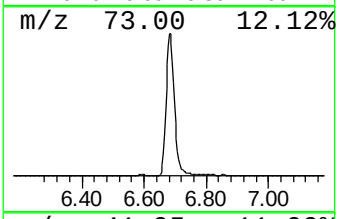


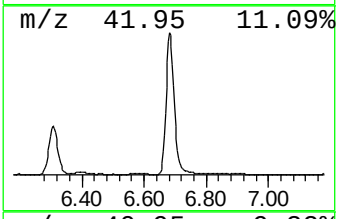


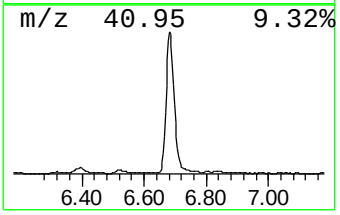












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Instrument : MSVOA_U
ClientSampleId : BFDH9

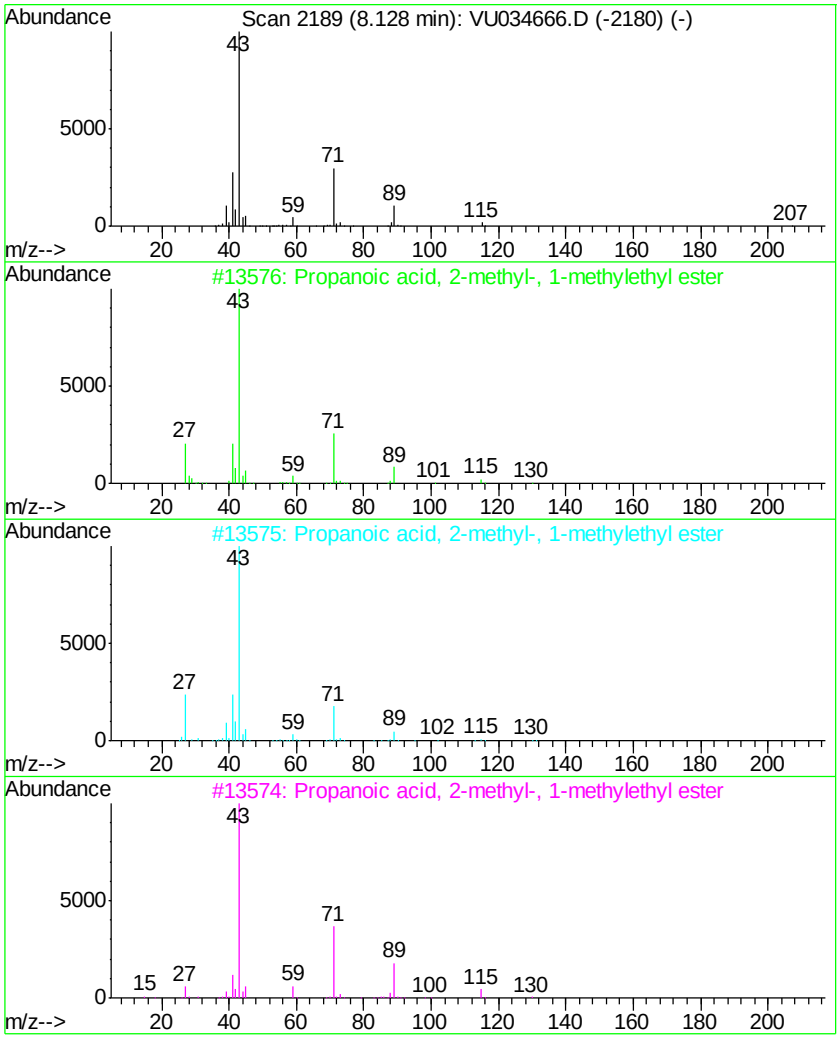
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

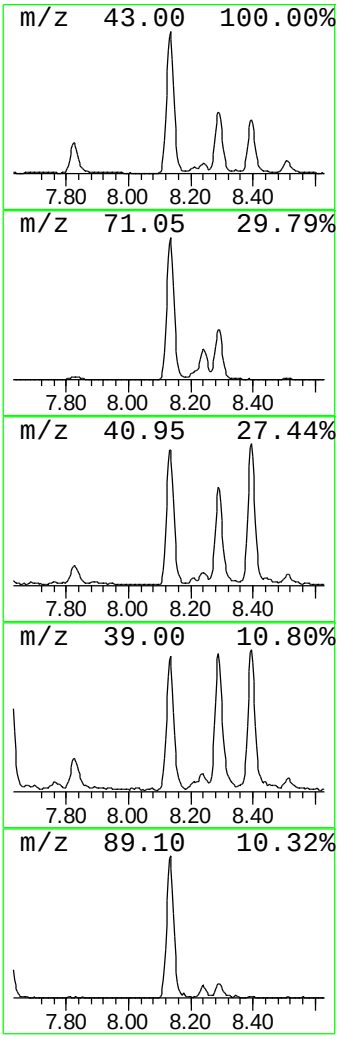
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Propanoic acid, 2-methyl-, ... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.13	21.97 ug/L	726340	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	78
4	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	59
5	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	56





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Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH9

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

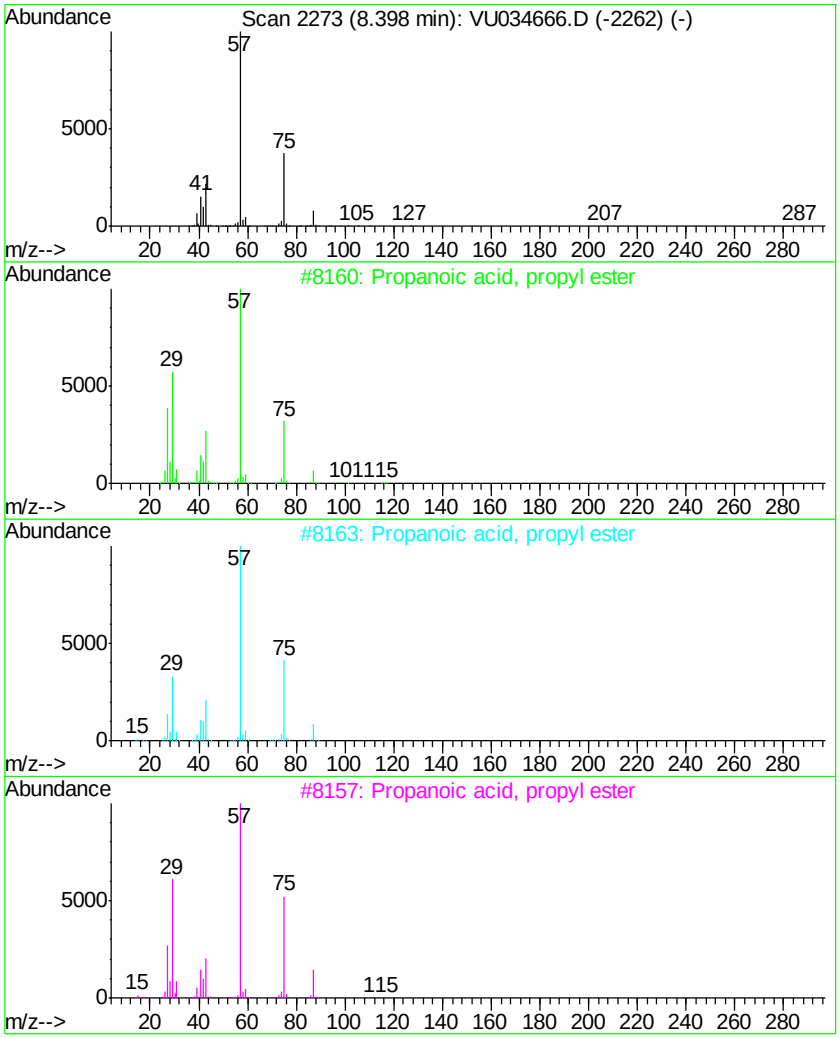
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

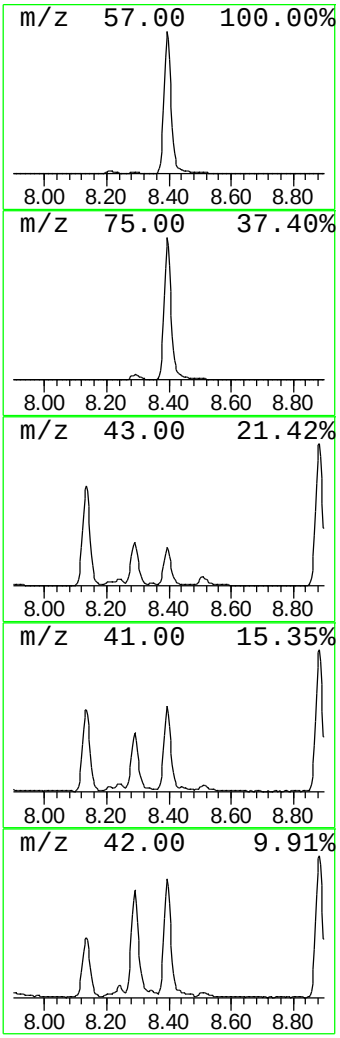
****

Peak Number 5 Propanoic acid, propyl ester Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.40	39.40 ug/L	1302470	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	78
4	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	64
5	Propanoic acid, butyl ester	130	C7H14O2	000590-01-2	36





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034666.D
Acq On : 19 Sep 2019 22:59
Operator : JC/SP
Sample : K4895-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH9

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

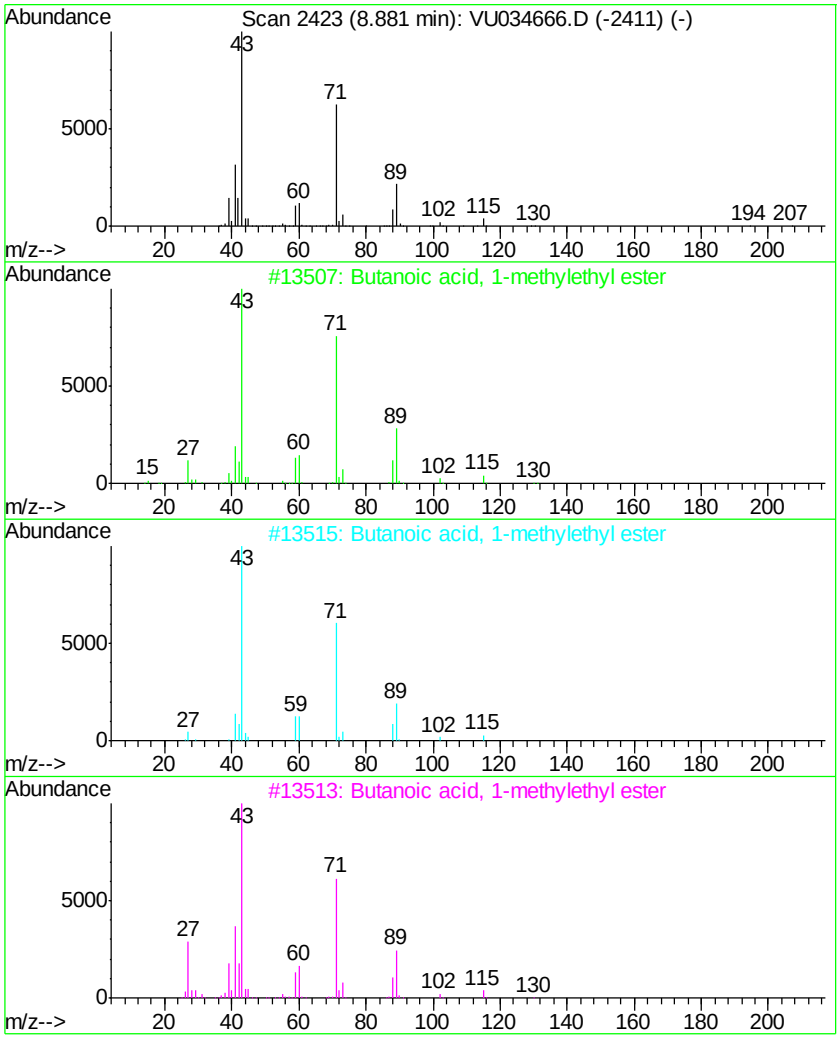
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

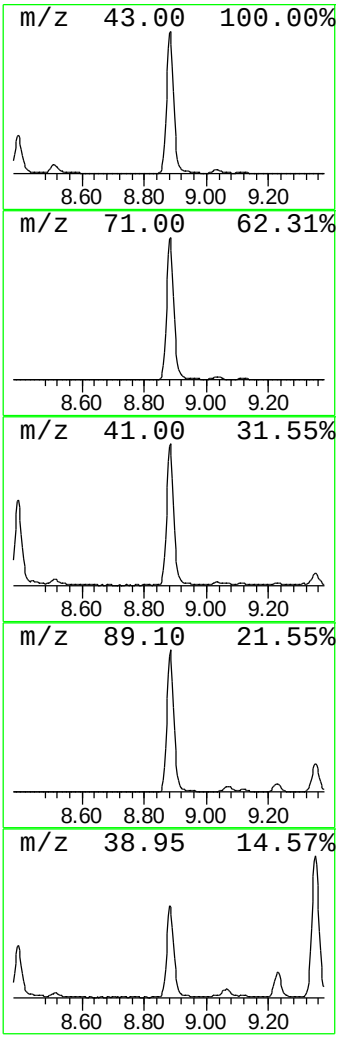
****

Peak Number 6 Butanoic acid, 1-methylethy... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.88	43.60 ug/L	1441330	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	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	72
5	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	72





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Acq On : 19 Sep 2019 22:59
Operator : JC/SP
Sample : K4895-12
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH9

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

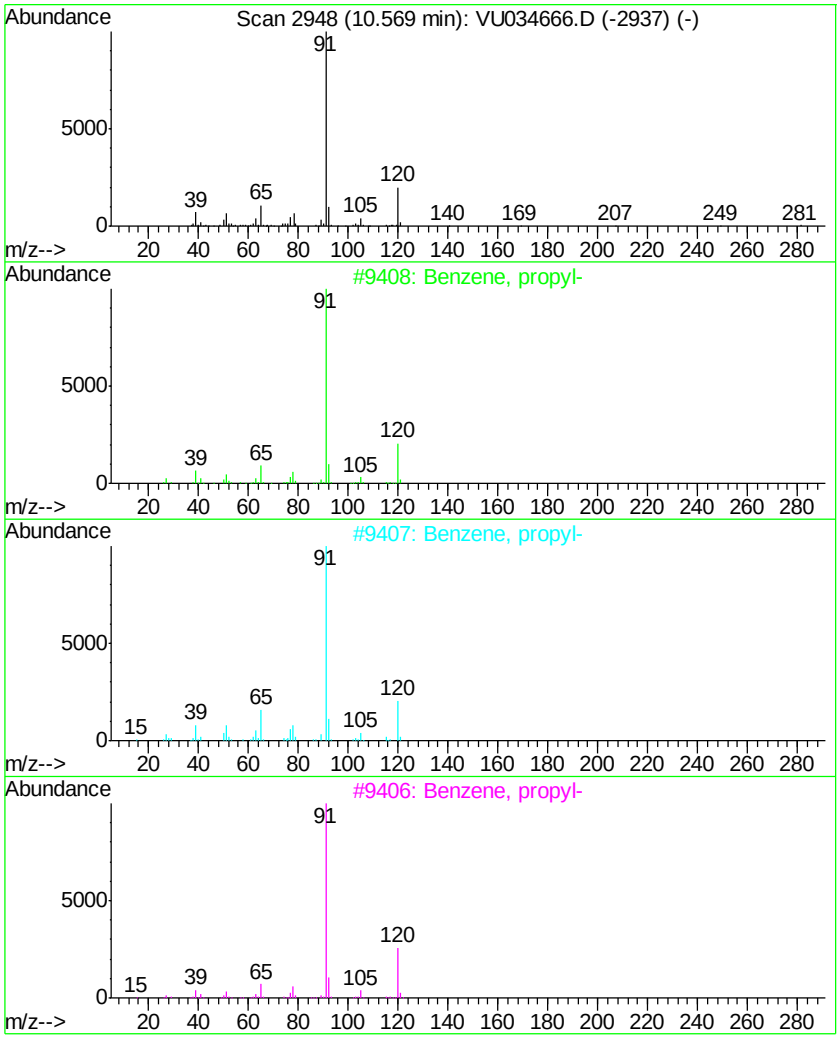
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

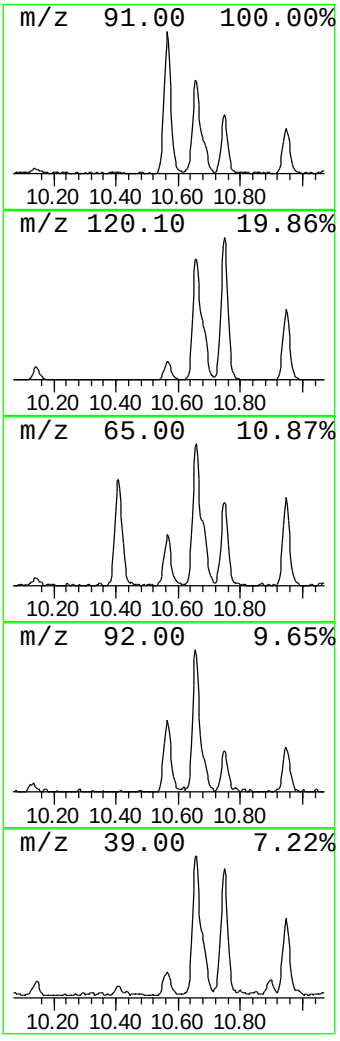
****

Peak Number 7 Benzene, propyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.57	5.15 ug/L	159109	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	86
4	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	78
5	Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091919\
Data File : VU034666.D
Acq On : 19 Sep 2019 22:59
Operator : JC/SP
Sample : K4895-12
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH9

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

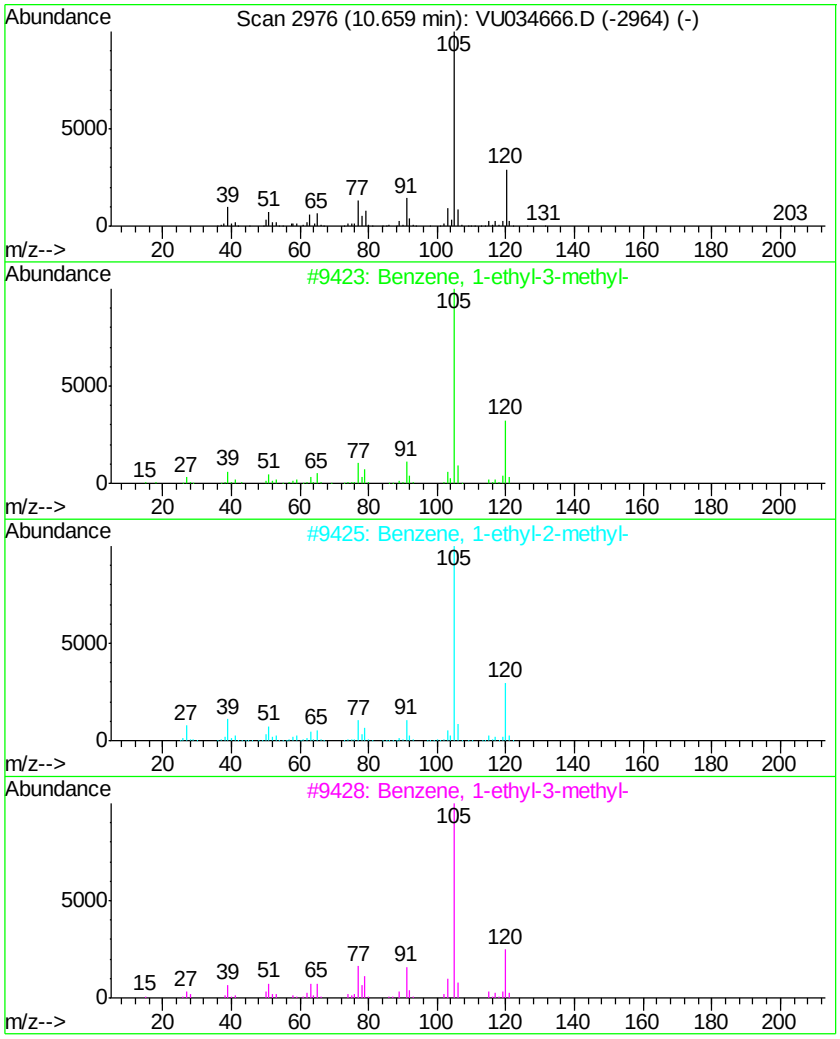
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

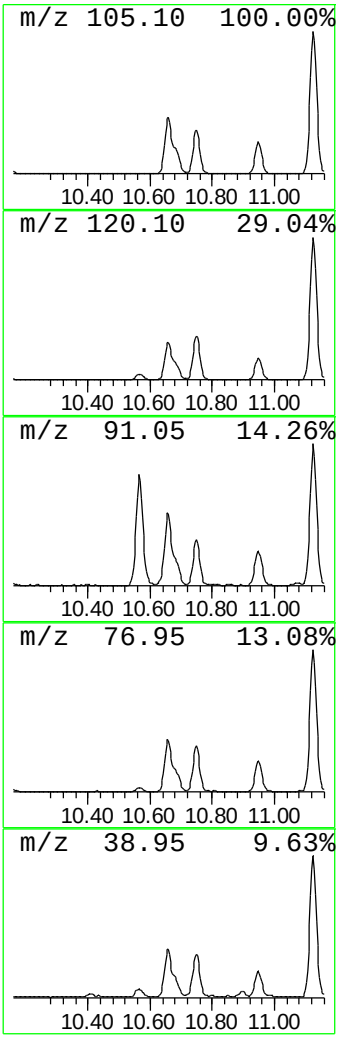
****

Peak Number 8 Benzene, 1-ethyl-3-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	38.73 ug/L	1195470	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	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	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91





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Data File : VU034666.D
Acq On : 19 Sep 2019 22:59
Operator : JC/SP
Sample : K4895-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH9

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

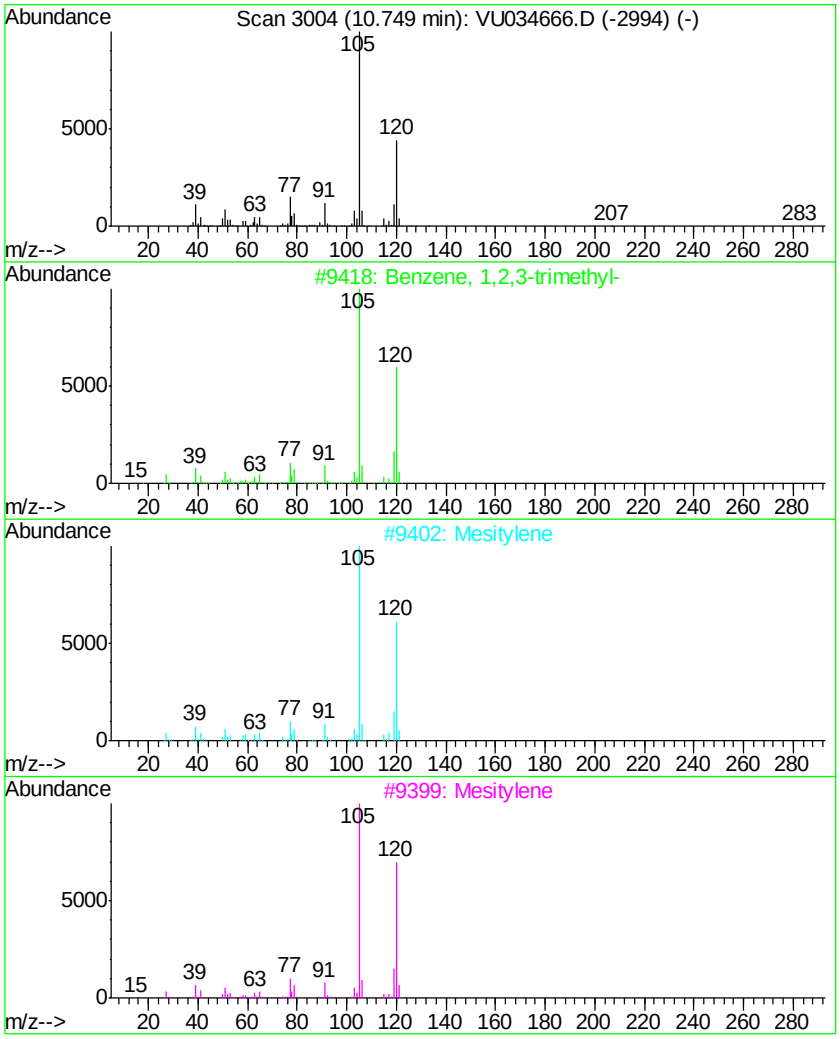
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

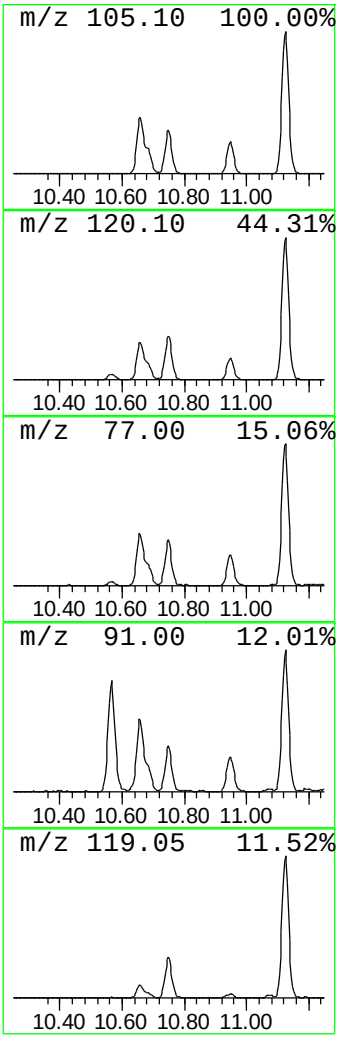
****

Peak Number 9 Benzene, 1,2,3-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	25.80 ug/L	796418	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	97
3	Mesitylene	120	C9H12	000108-67-8	94
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034666.D
Acq On : 19 Sep 2019 22:59
Operator : JC/SP
Sample : K4895-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH9

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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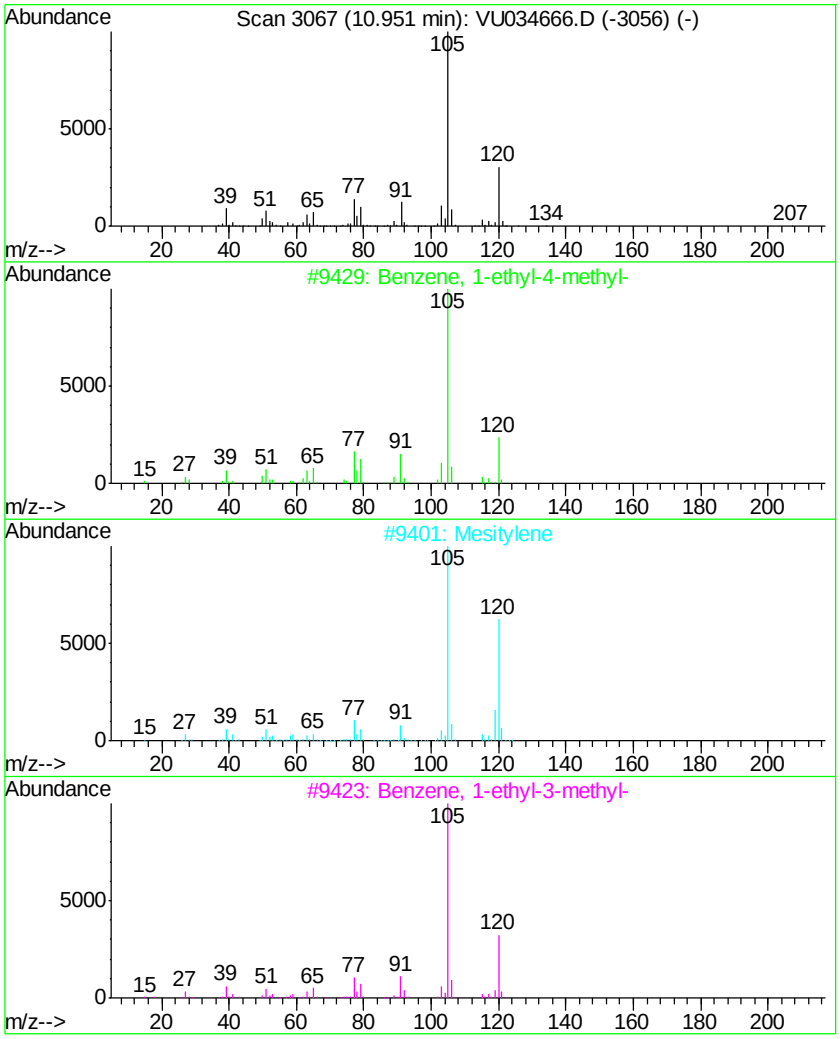
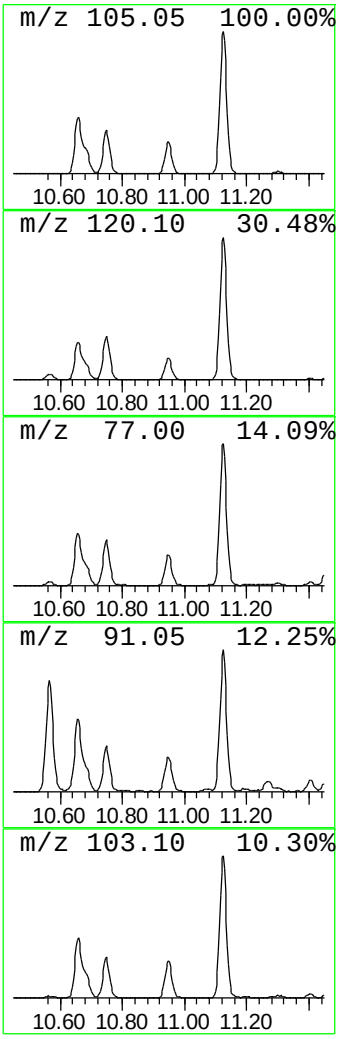
Peak Number 10 Benzene, 1-ethyl-4-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.95	17.99 ug/L	555162	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94
2	Mesitylene	120	C9H12	000108-67-8	91
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034666.D
Acq On : 19 Sep 2019 22:59
Operator : JC/SP
Sample : K4895-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH9

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

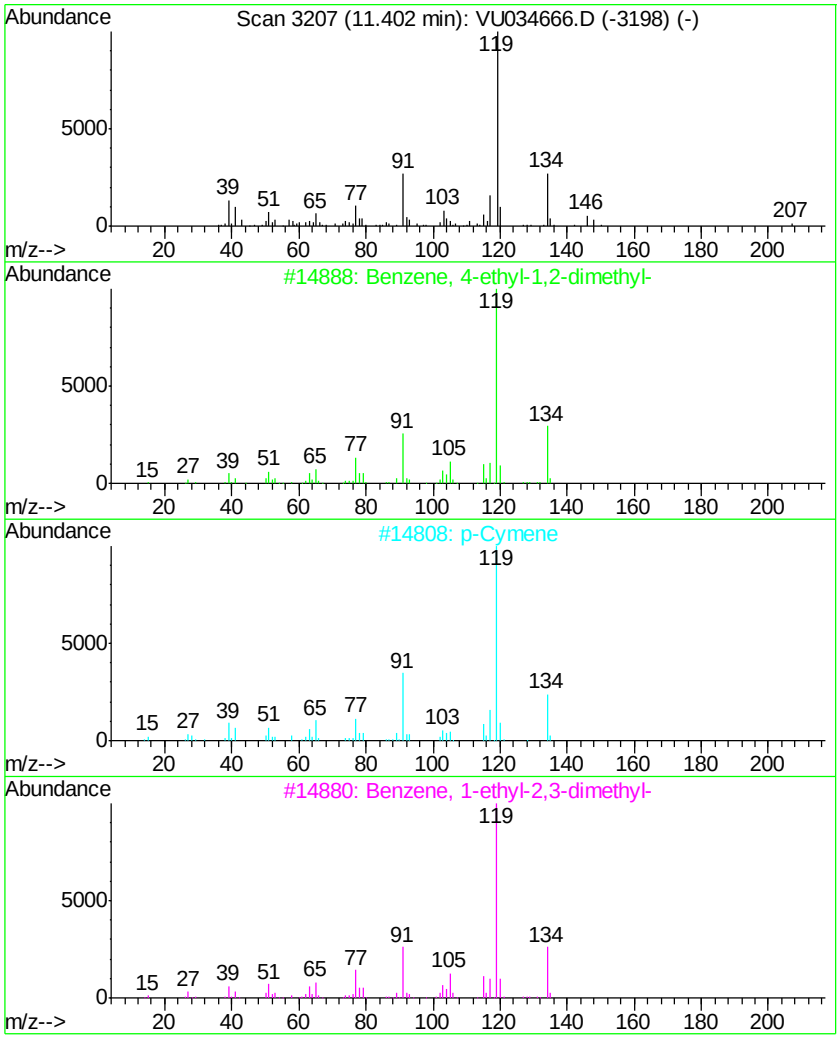
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

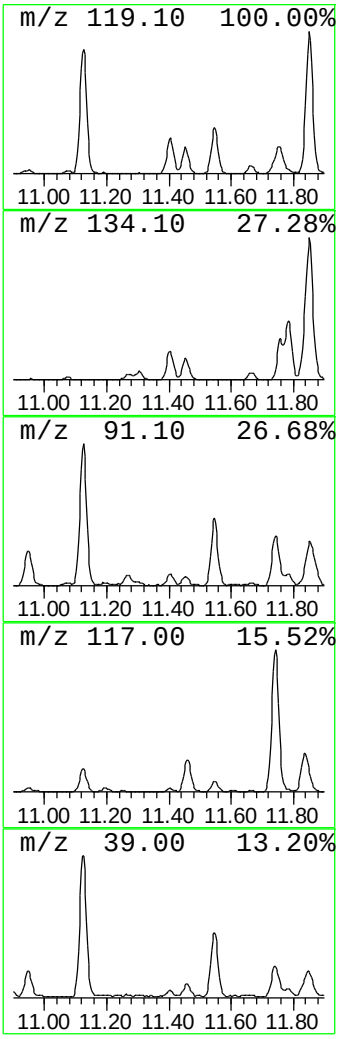
****

Peak Number 12 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	2.97 ug/L	91602	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	91
2	p-Cymene	134	C10H14	000099-87-6	91
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
4	o-Cymene	134	C10H14	000527-84-4	91
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034666.D
Acq On : 19 Sep 2019 22:59
Operator : JC/SP
Sample : K4895-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH9

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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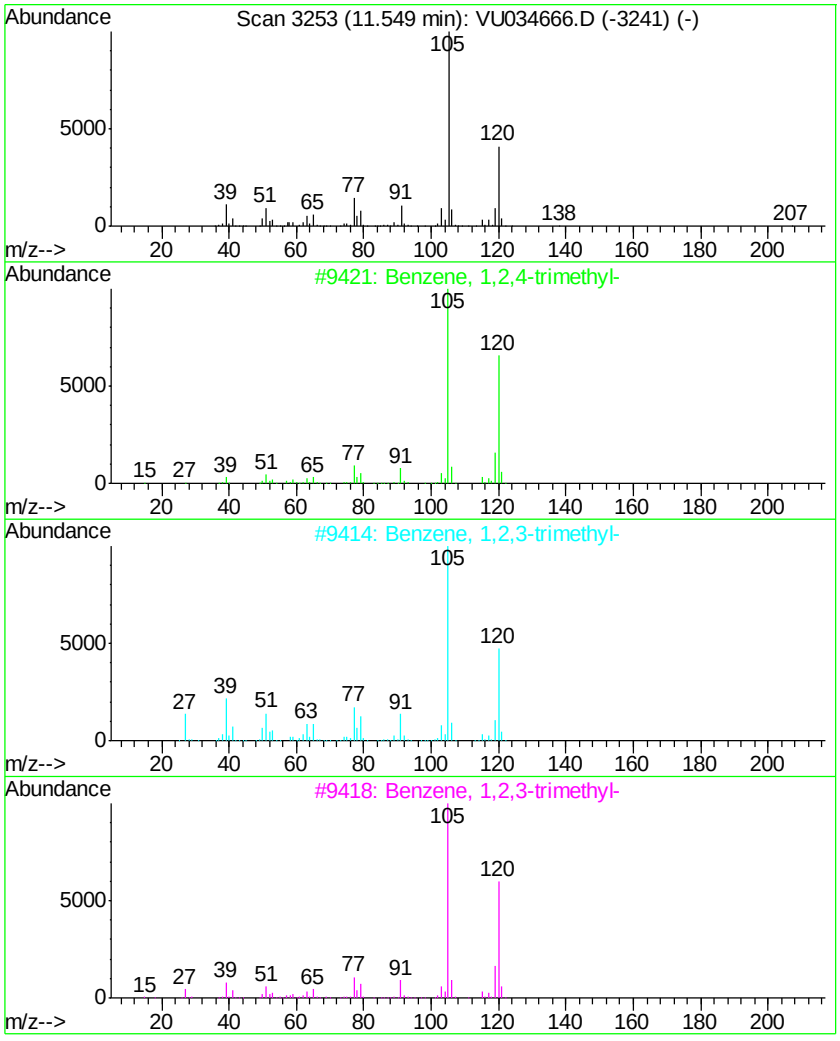
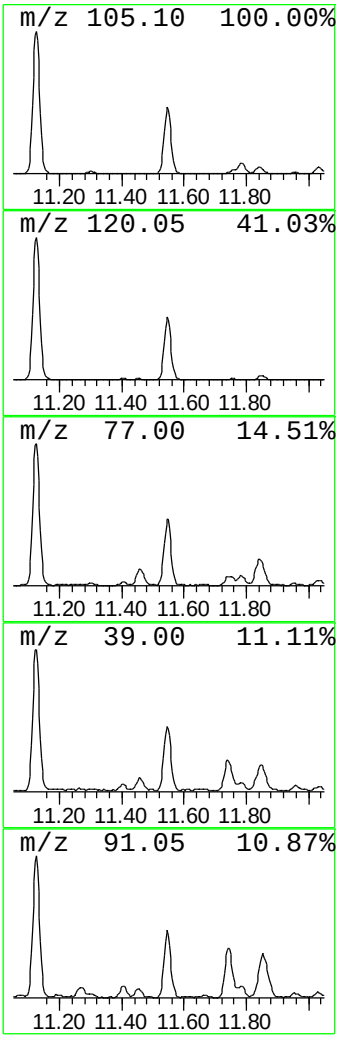
Peak Number 13 Benzene, 1,2,4-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.55	38.02 ug/L	1173750	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	94
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	93
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	93
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Mesitylene	120	C9H12	000108-67-8	91





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Data File : VU034666.D
Acq On : 19 Sep 2019 22:59
Operator : JC/SP
Sample : K4895-12
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH9

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

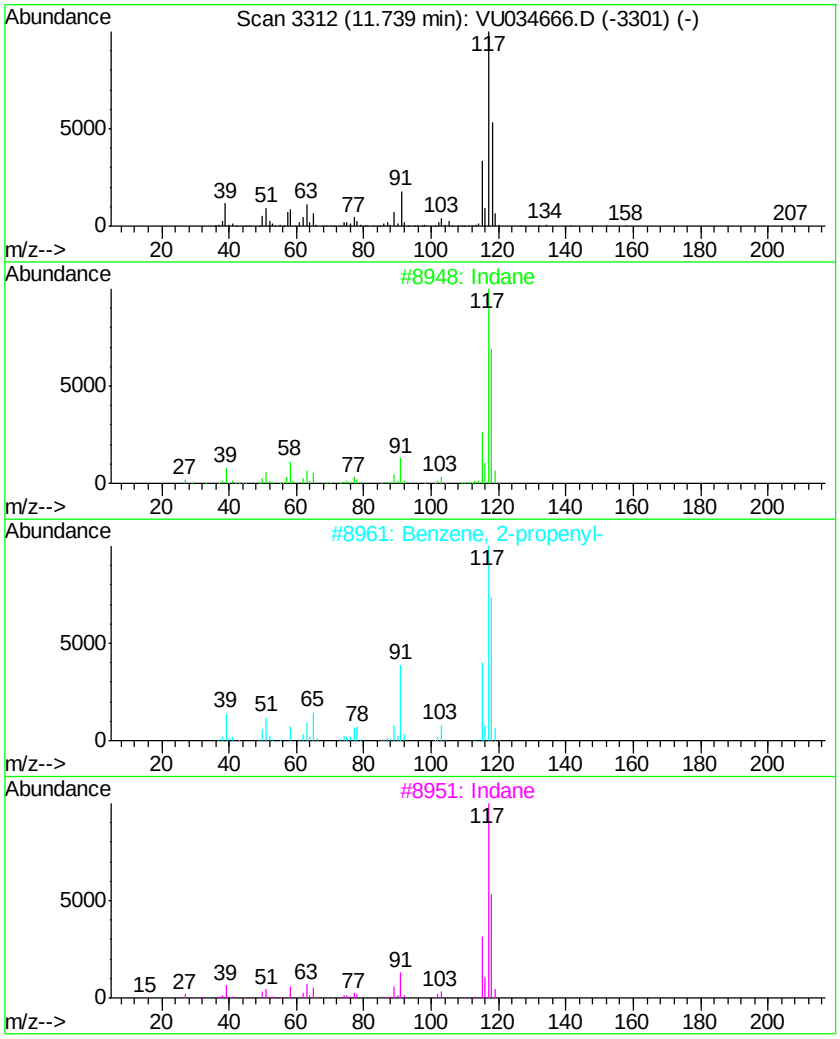
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

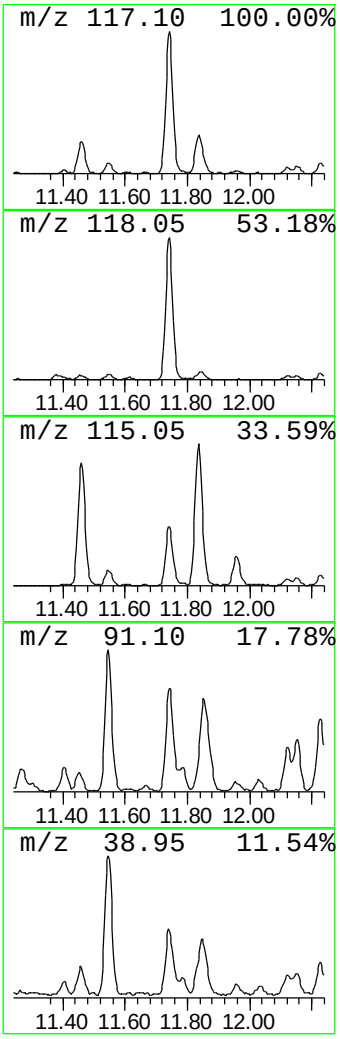
****

Peak Number 14 Indane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	23.18 ug/L	715562	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	87
3	Indane	118	C9H10	000496-11-7	87
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	81
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	72





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Data File : VU034666.D
Acq On : 19 Sep 2019 22:59
Operator : JC/SP
Sample : K4895-12
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH9

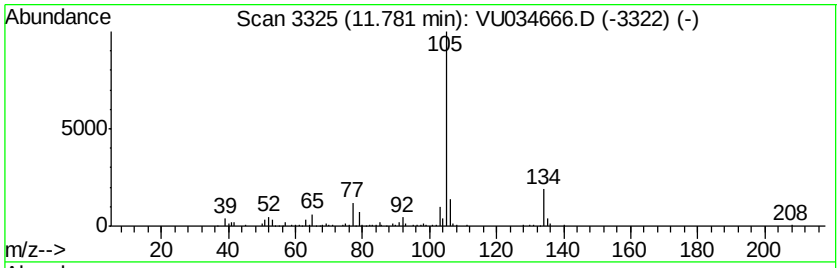
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

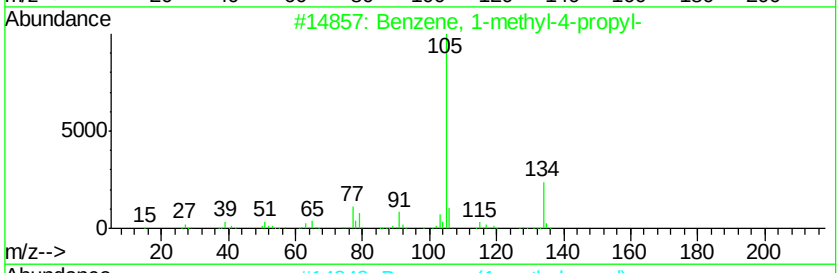
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

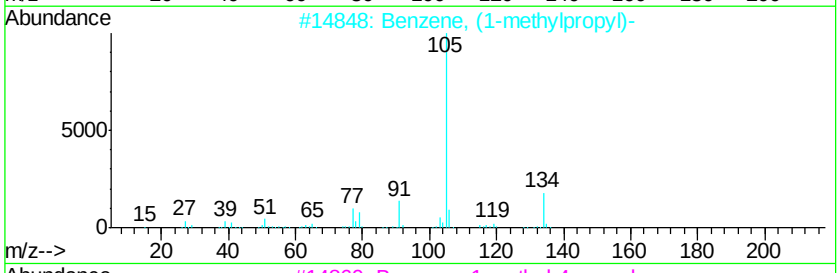
****
Peak Number 15 Benzene, 1-methyl-4-propyl- Concentration Rank 34

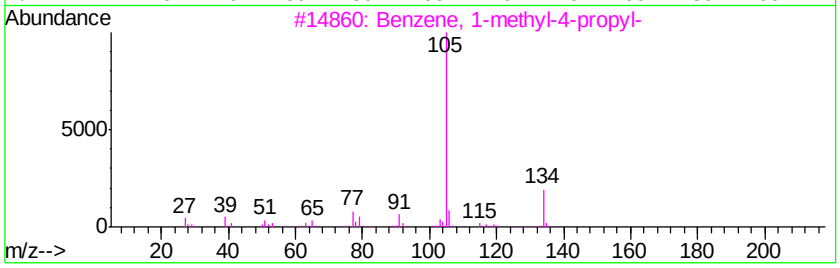
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	5.23 ug/L	161497	1,4-Dichlorobenzene-d4	11.46

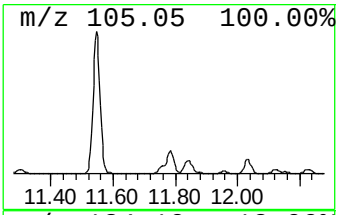
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	87
2	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	86
3	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	80
4	Oxirane, 2-methyl-2-phenyl-	134	C9H10O	002085-88-3	80
5	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	74

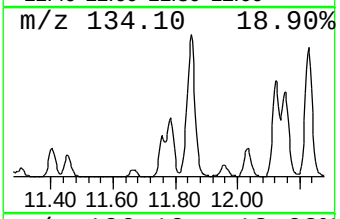


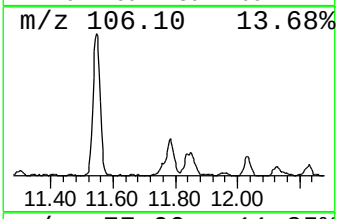


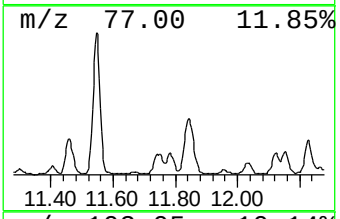


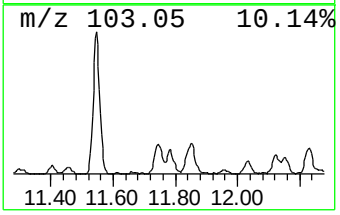












Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091919\
Data File : VU034666.D
Acq On : 19 Sep 2019 22:59
Operator : JC/SP
Sample : K4895-12
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH9

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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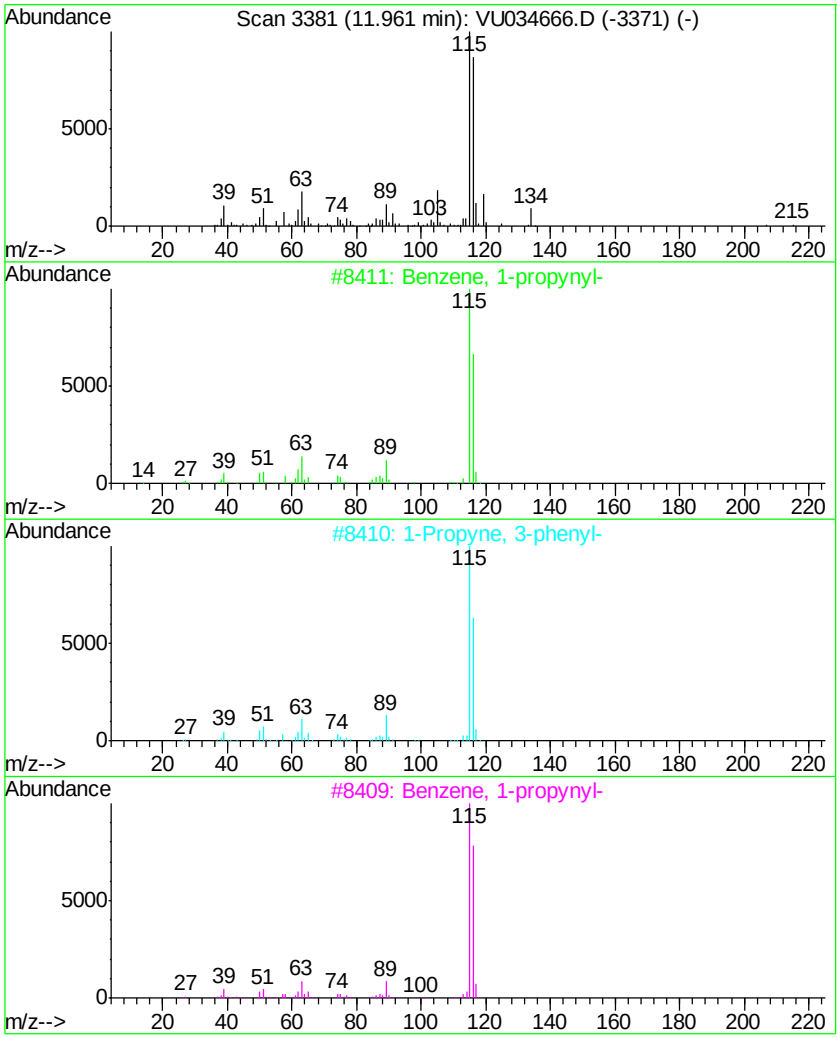
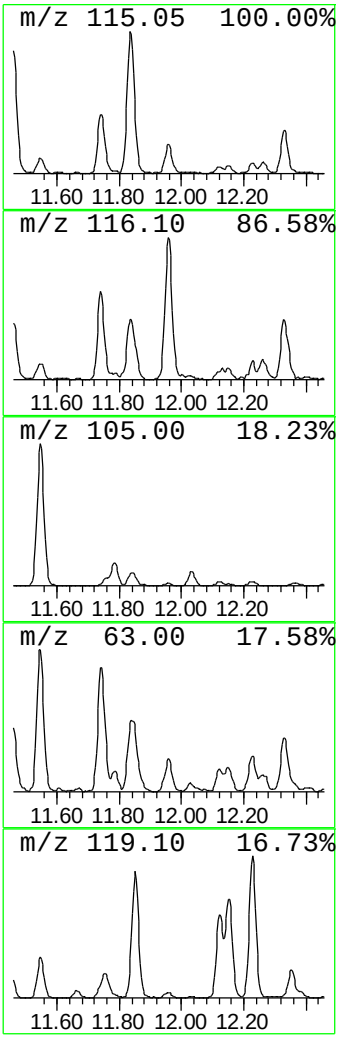
Peak Number 16 Benzene, 1-propynyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	4.37 ug/L	135013	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
2	1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	94
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	90
4	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	90
5	Indene	116	C9H8	000095-13-6	89





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Data File : VU034666.D
Acq On : 19 Sep 2019 22:59
Operator : JC/SP
Sample : K4895-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH9

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

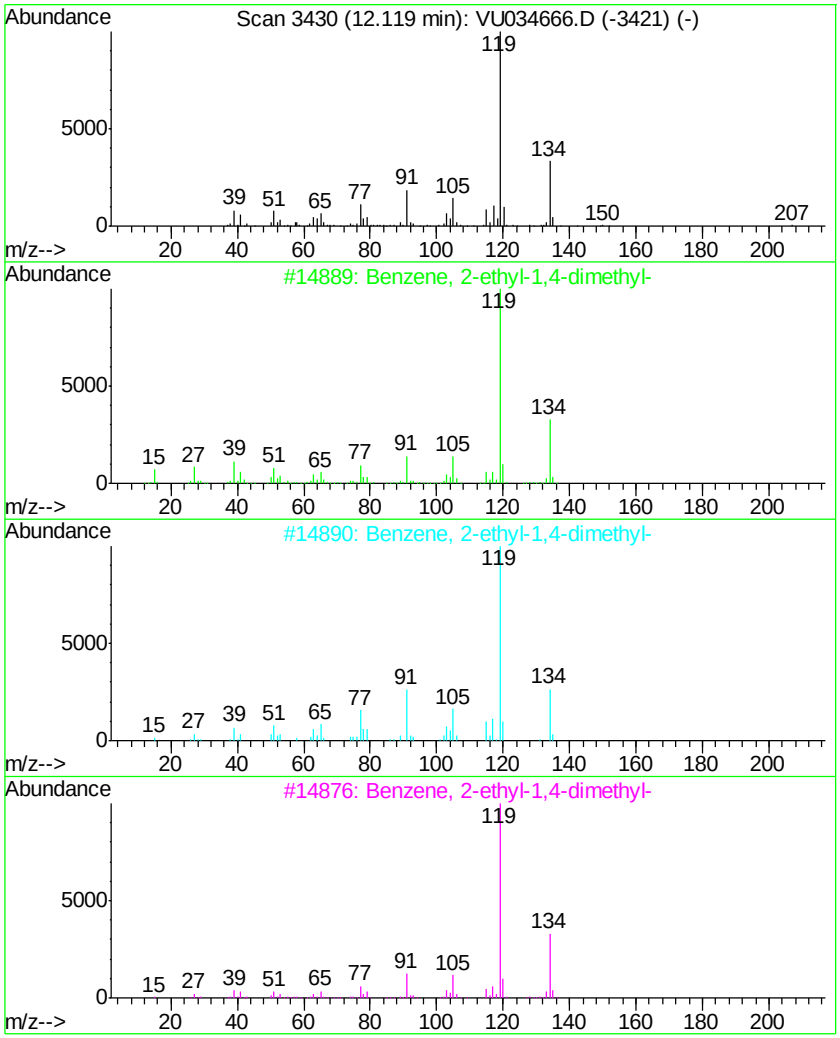
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

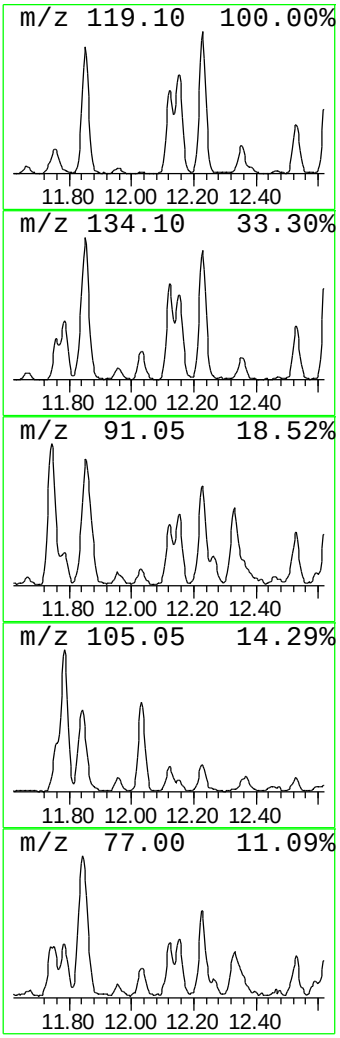
****

Peak Number 18 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	8.04 ug/L	248327	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	97
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95





Library Search Compound Report

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Data File : VU034666.D
Acq On : 19 Sep 2019 22:59
Operator : JC/SP
Sample : K4895-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH9

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

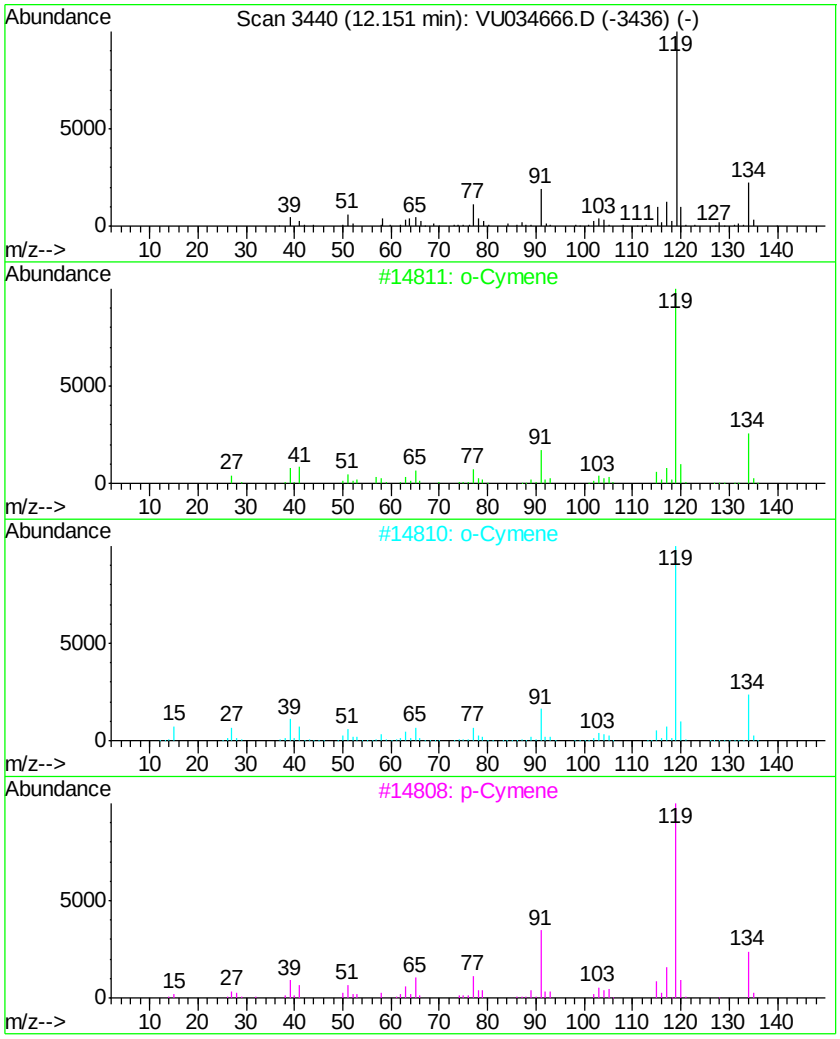
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

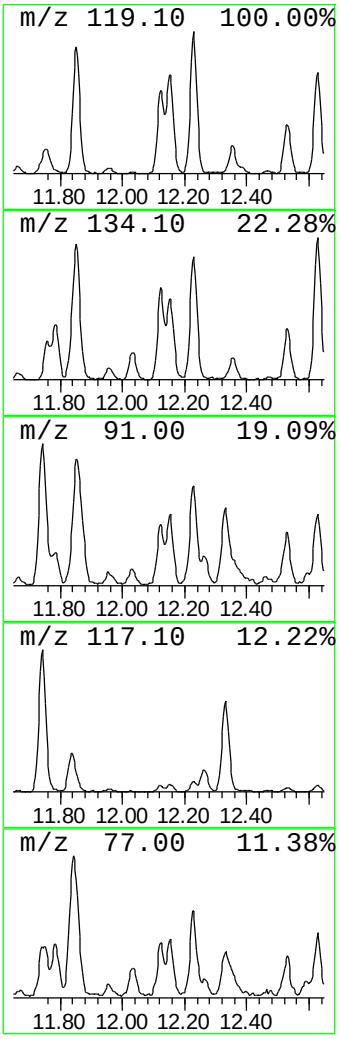
****

Peak Number 19 o-Cymene Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	7.27 ug/L	224443	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	91
2	o-Cymene	134	C10H14	000527-84-4	91
3	p-Cymene	134	C10H14	000099-87-6	91
4	p-Cymene	134	C10H14	000099-87-6	91
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91





Library Search Compound Report

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Data File : VU034666.D
Acq On : 19 Sep 2019 22:59
Operator : JC/SP
Sample : K4895-12
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH9

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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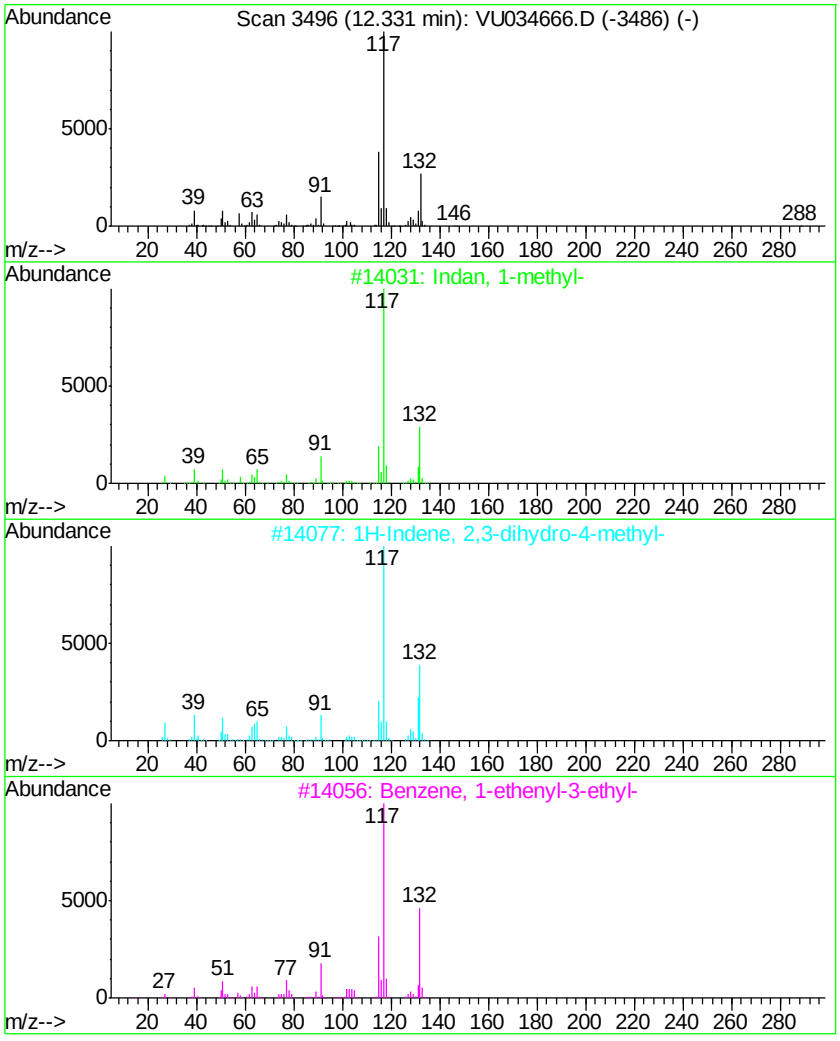
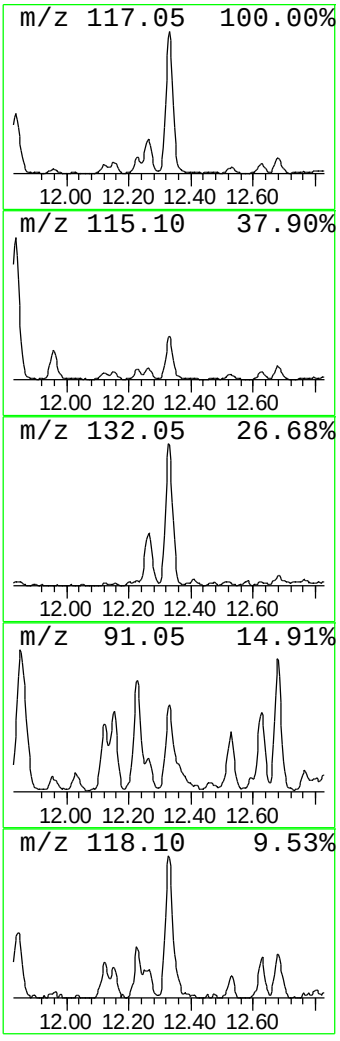
Peak Number 21 Indan, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	15.01 ug/L	463472	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	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	87
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	83
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034666.D
Acq On : 19 Sep 2019 22:59
Operator : JC/SP
Sample : K4895-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH9

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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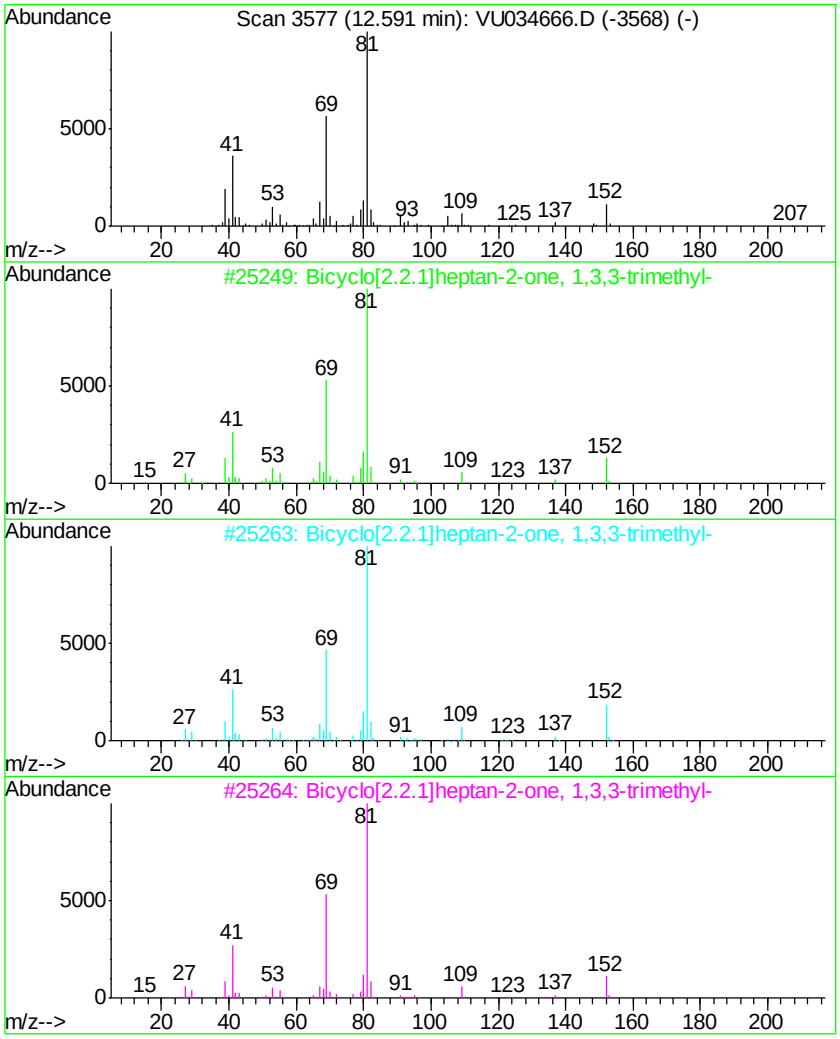
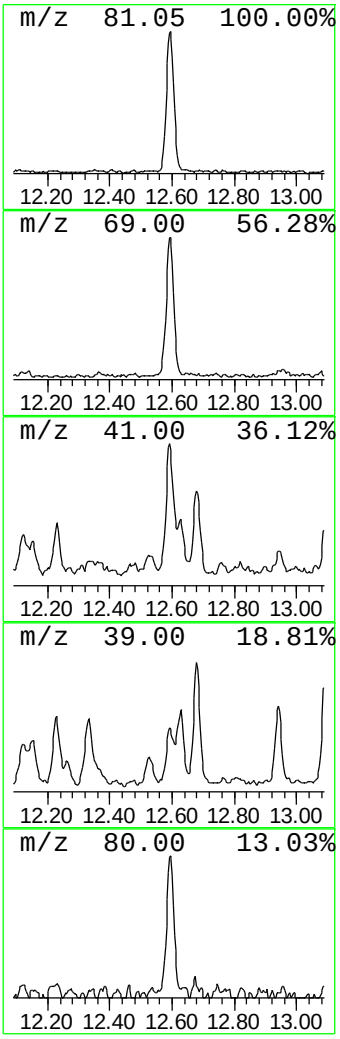
Peak Number 23 Bicyclo[2.2.1]heptan-2-one,... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	5.48 ug/L	169143	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	93
2	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	90
3	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	90
4	L-Fenchone	152	C10H16O	007787-20-4	87
5	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	87





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Data File : VU034666.D
Acq On : 19 Sep 2019 22:59
Operator : JC/SP
Sample : K4895-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH9

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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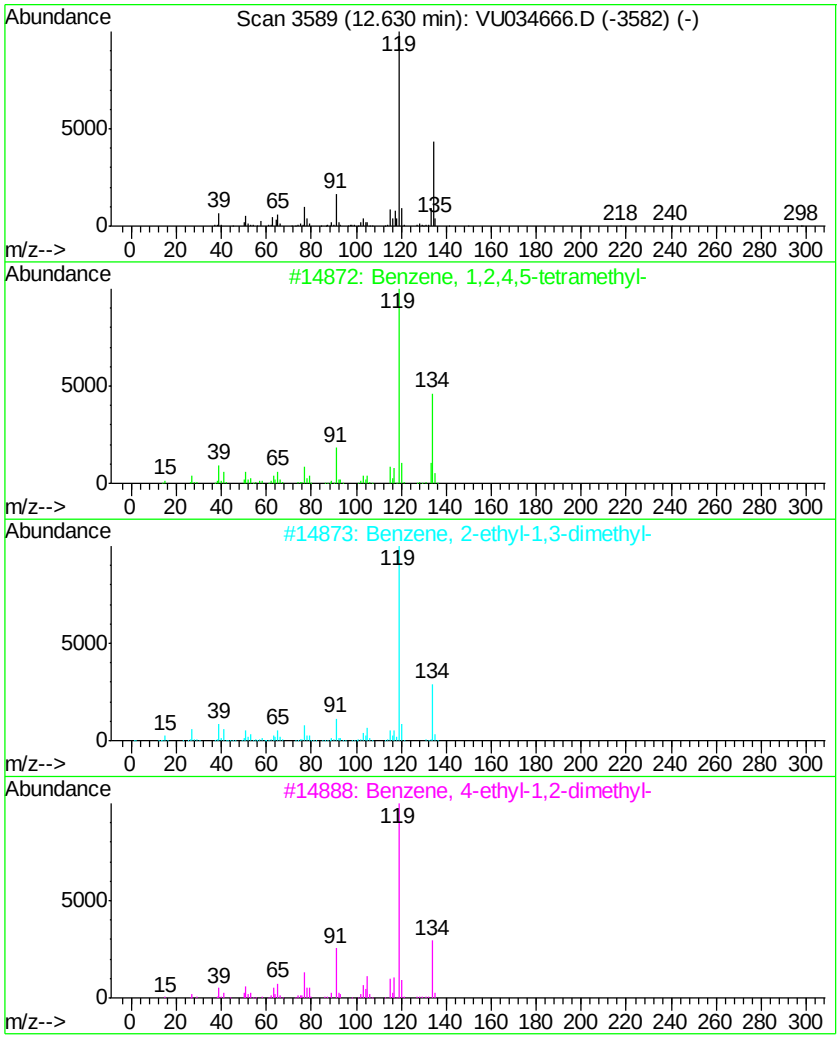
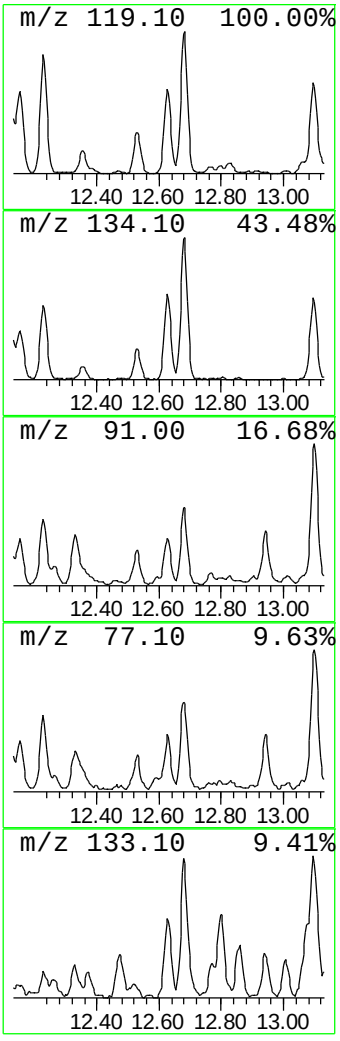
Peak Number 24 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	9.56 ug/L	295101	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	95
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	93
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034666.D
Acq On : 19 Sep 2019 22:59
Operator : JC/SP
Sample : K4895-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH9

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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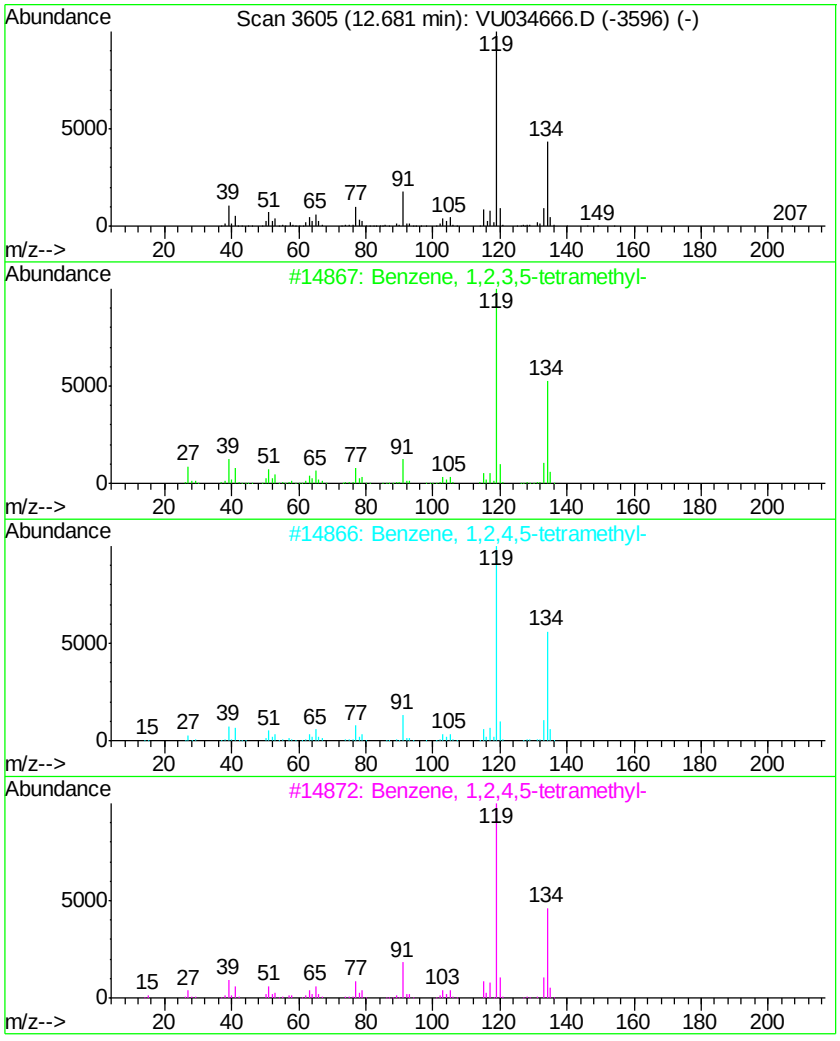
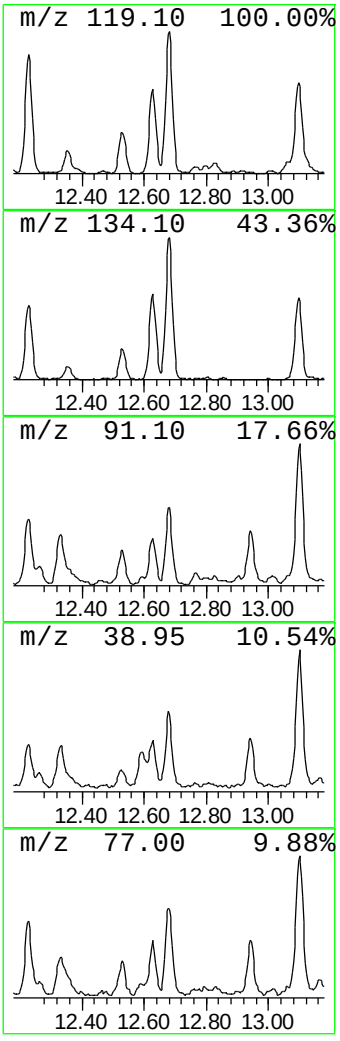
Peak Number 25 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.68	15.63 ug/L	482497	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, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94





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Acq On : 19 Sep 2019 22:59
Operator : JC/SP
Sample : K4895-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH9

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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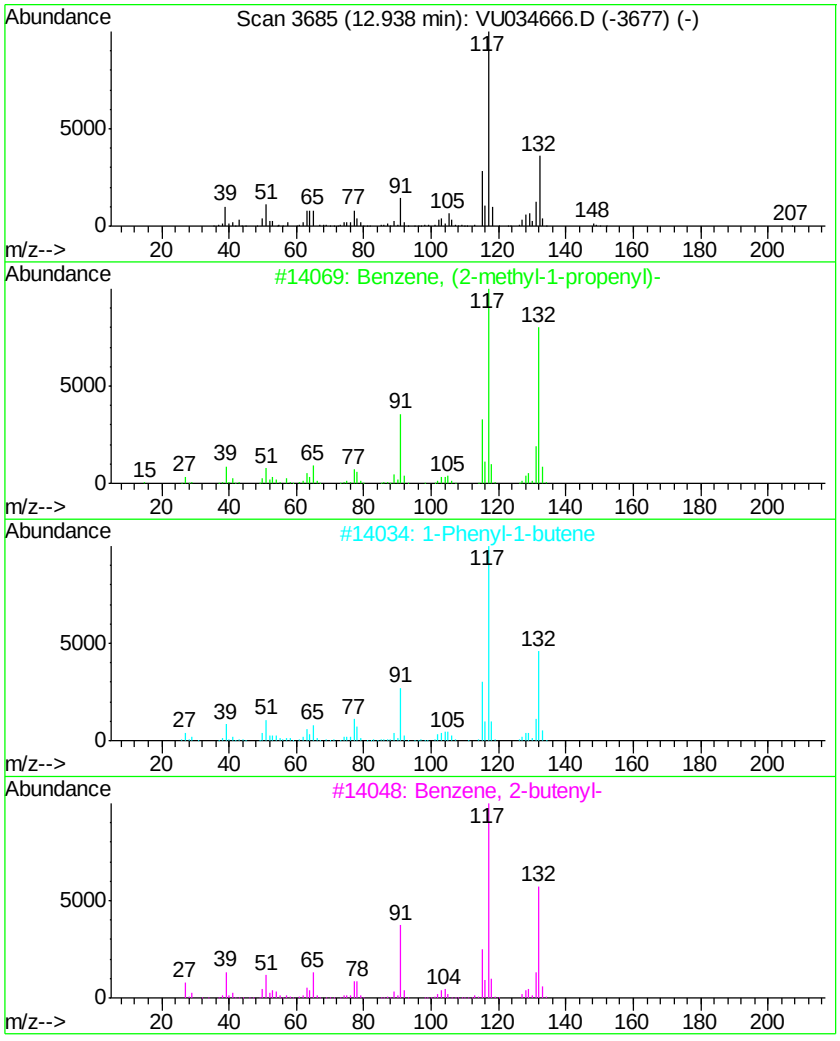
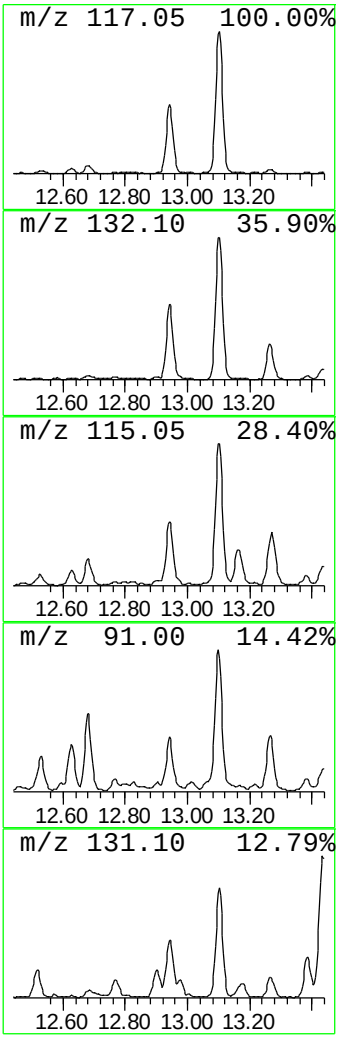
Peak Number 26 Benzene, (2-methyl-1-propen... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	13.21 ug/L	407904	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	91
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	91
3	Benzene, 2-butenyl-	132	C10H12	001560-06-1	91
4	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	91
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	90





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Data File : VU034666.D
Acq On : 19 Sep 2019 22:59
Operator : JC/SP
Sample : K4895-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH9

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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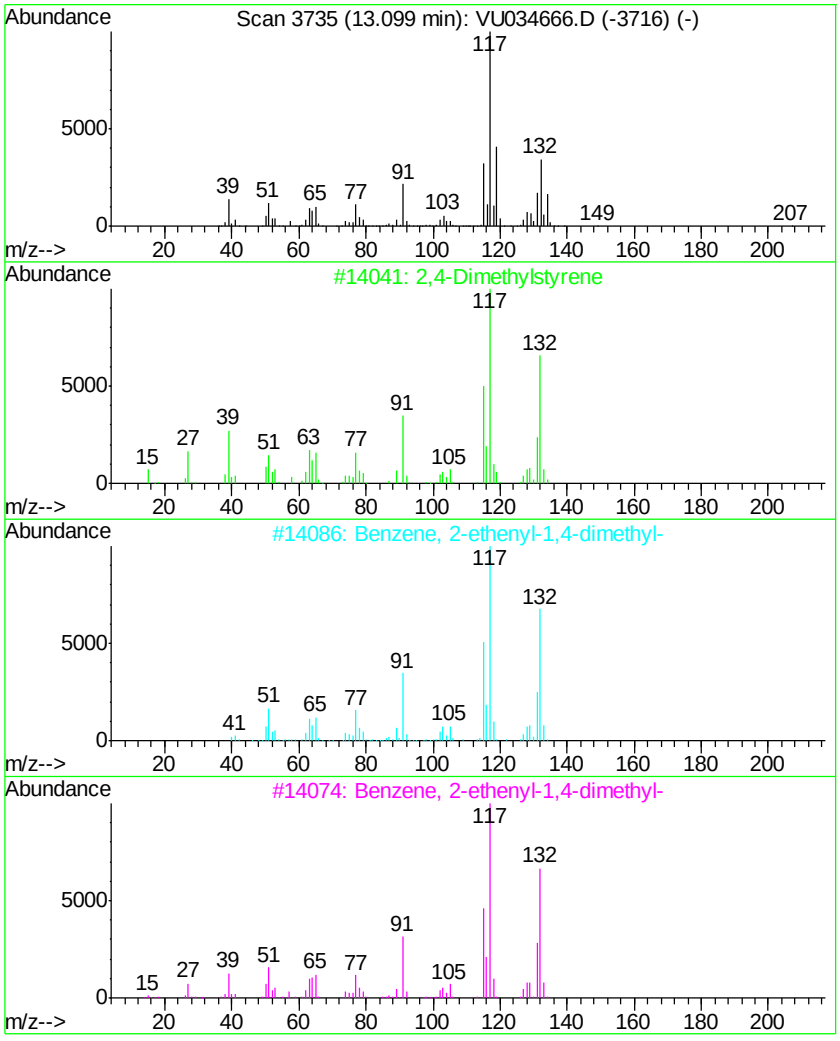
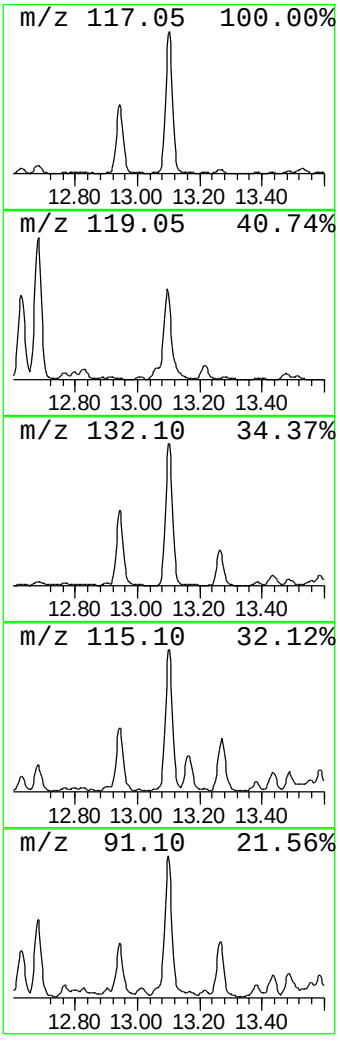
Peak Number 27 2,4-Dimethylstyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	36.79 ug/L	1135690	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Dimethylstyrene	132	C10H12	002234-20-0	95
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	92
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	89





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034666.D
Acq On : 19 Sep 2019 22:59
Operator : JC/SP
Sample : K4895-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH9

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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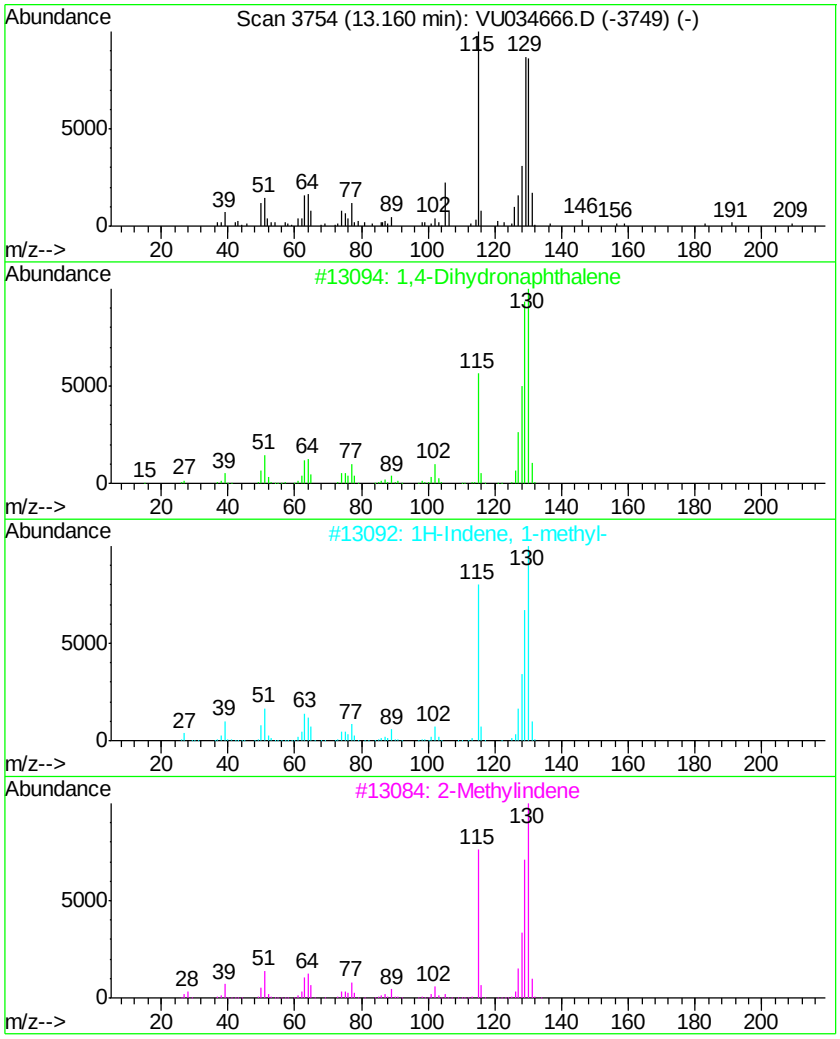
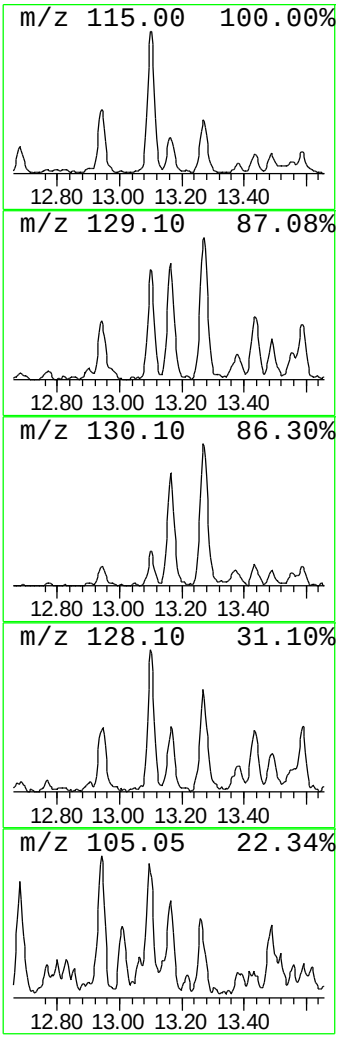
Peak Number 28 1,4-Dihydronaphthalene Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	4.24 ug/L	130847	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	92
2	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	83
3	2-Methylindene	130	C10H10	002177-47-1	81
4	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	74
5	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	70





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Acq On : 19 Sep 2019 22:59
Operator : JC/SP
Sample : K4895-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH9

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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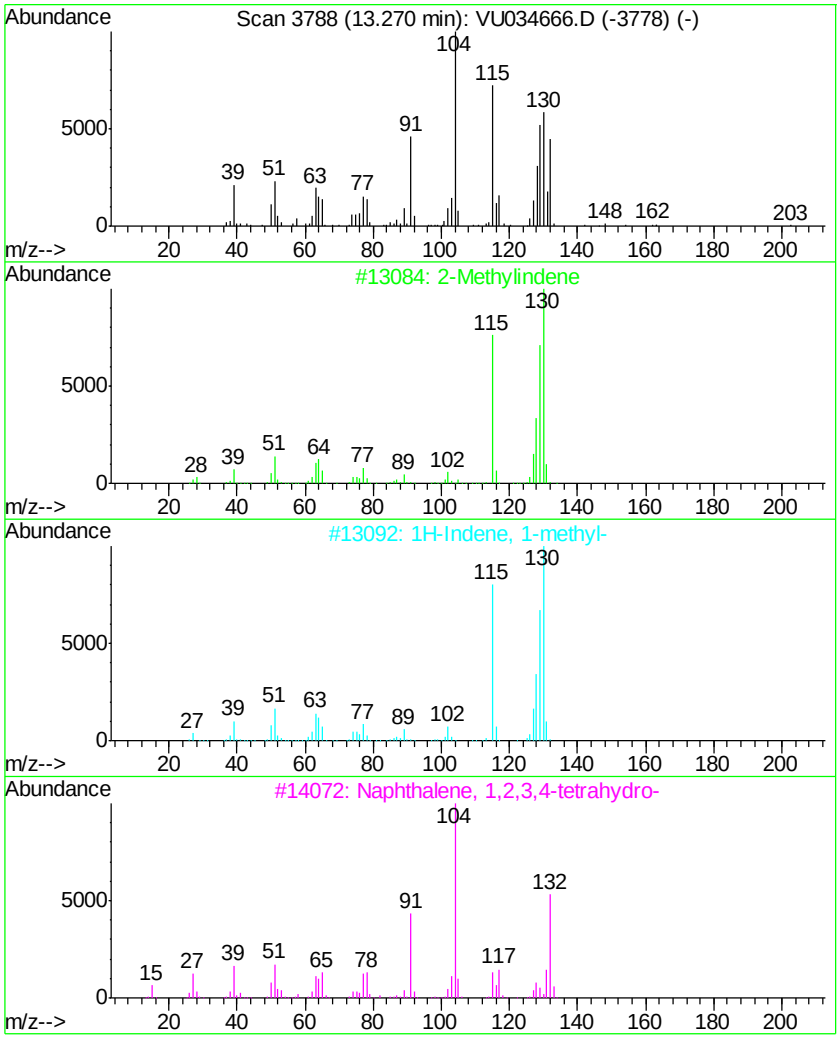
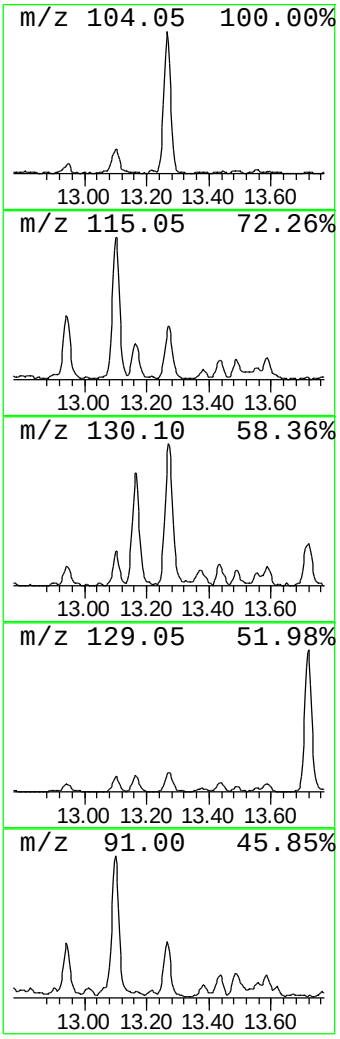
Peak Number 29 2-Methylindene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	10.30 ug/L	317967	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindene	130	C10H10	002177-47-1	86
2	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	84
3	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	70
4	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	64
5	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	55





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Data File : VU034666.D
Acq On : 19 Sep 2019 22:59
Operator : JC/SP
Sample : K4895-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH9

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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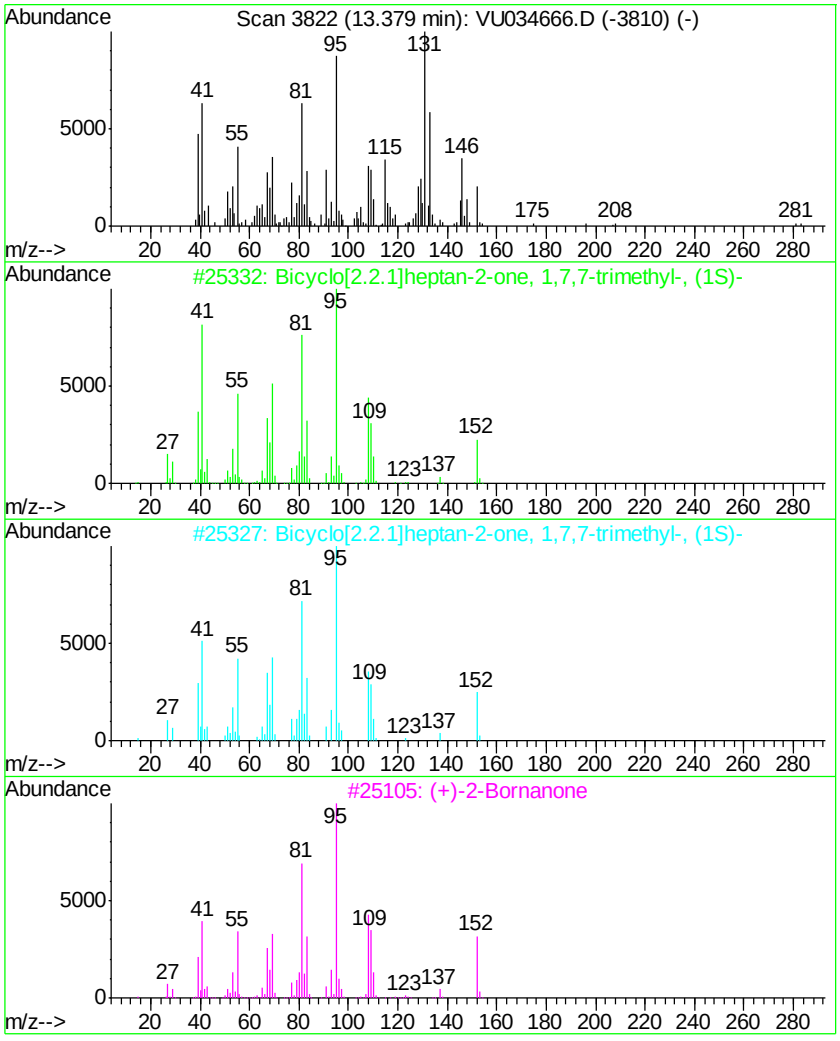
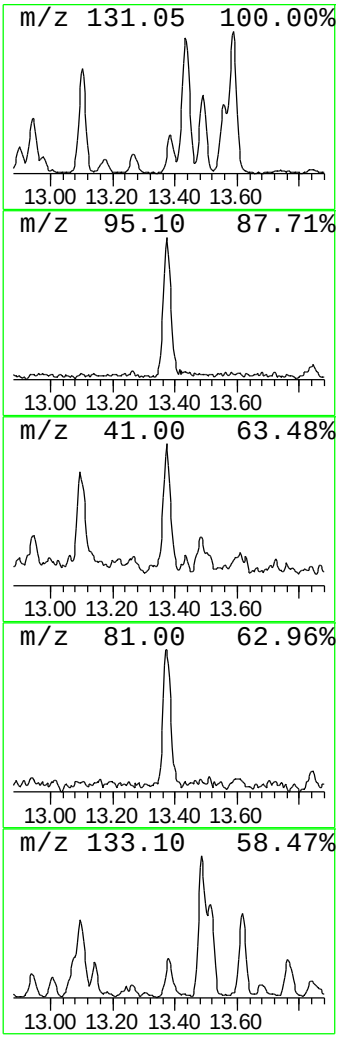
Peak Number 30 Bicyclo[2.2.1]heptan-2-one,... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	6.22 ug/L	191957	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	95
2	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	95
3	(+)-2-Bornanone	152	C10H16O	000464-49-3	94
4	(+)-2-Bornanone	152	C10H16O	000464-49-3	93
5	Camphor	152	C10H16O	000076-22-2	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091919\
Data File : VU034666.D
Acq On : 19 Sep 2019 22:59
Operator : JC/SP
Sample : K4895-12
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH9

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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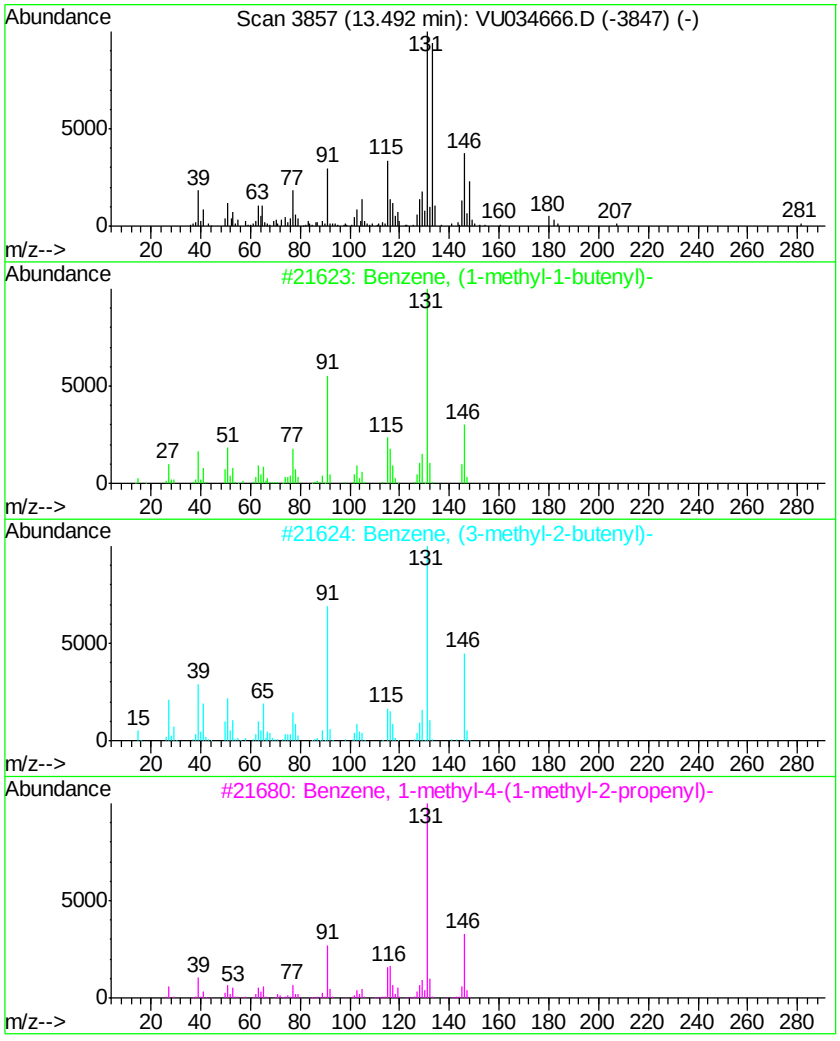
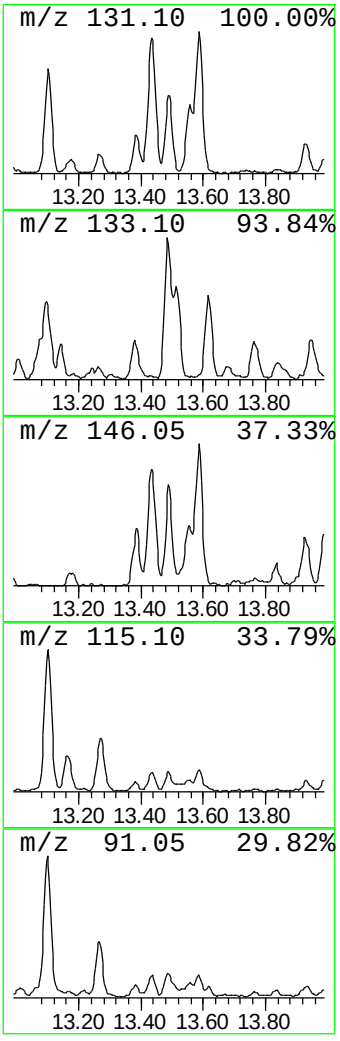
Peak Number 32 Benzene, (1-methyl-1-butenyl)- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	9.15 ug/L	282567	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	64
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	64
3	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	55
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	50
5	Benzene, pentamethyl-	148	C11H16	000700-12-9	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034666.D
Acq On : 19 Sep 2019 22:59
Operator : JC/SP
Sample : K4895-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH9

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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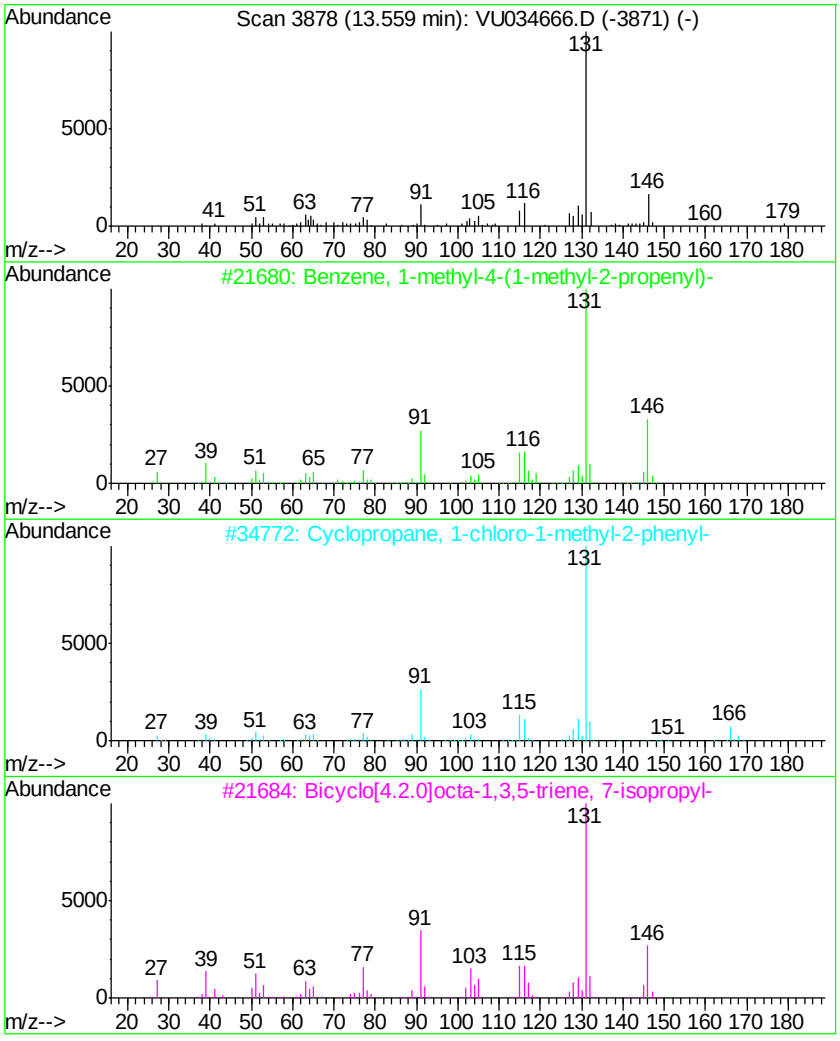
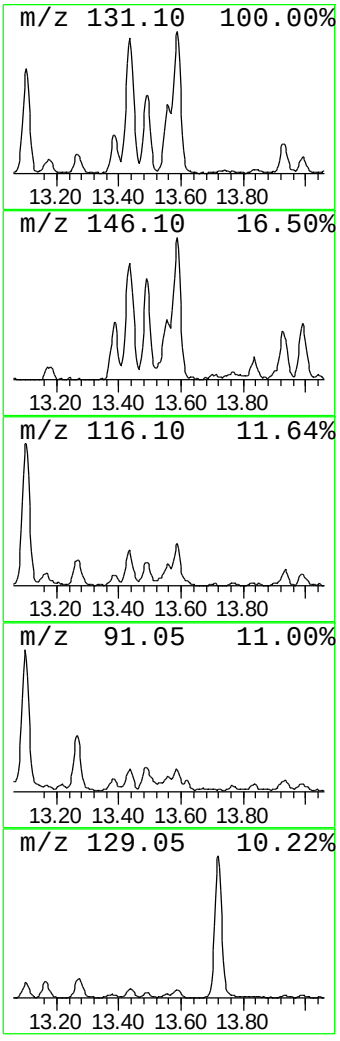
Peak Number 33 Benzene, 1-methyl-4-(1-meth... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.56	2.62 ug/L	80734	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	86
2	Cyclopropane, 1-chloro-1-methyl-...	166	C10H11Cl	1000161-07-9	78
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	146	C11H14	027087-54-3	58
4	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	52
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	52





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034666.D
Acq On : 19 Sep 2019 22:59
Operator : JC/SP
Sample : K4895-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH9

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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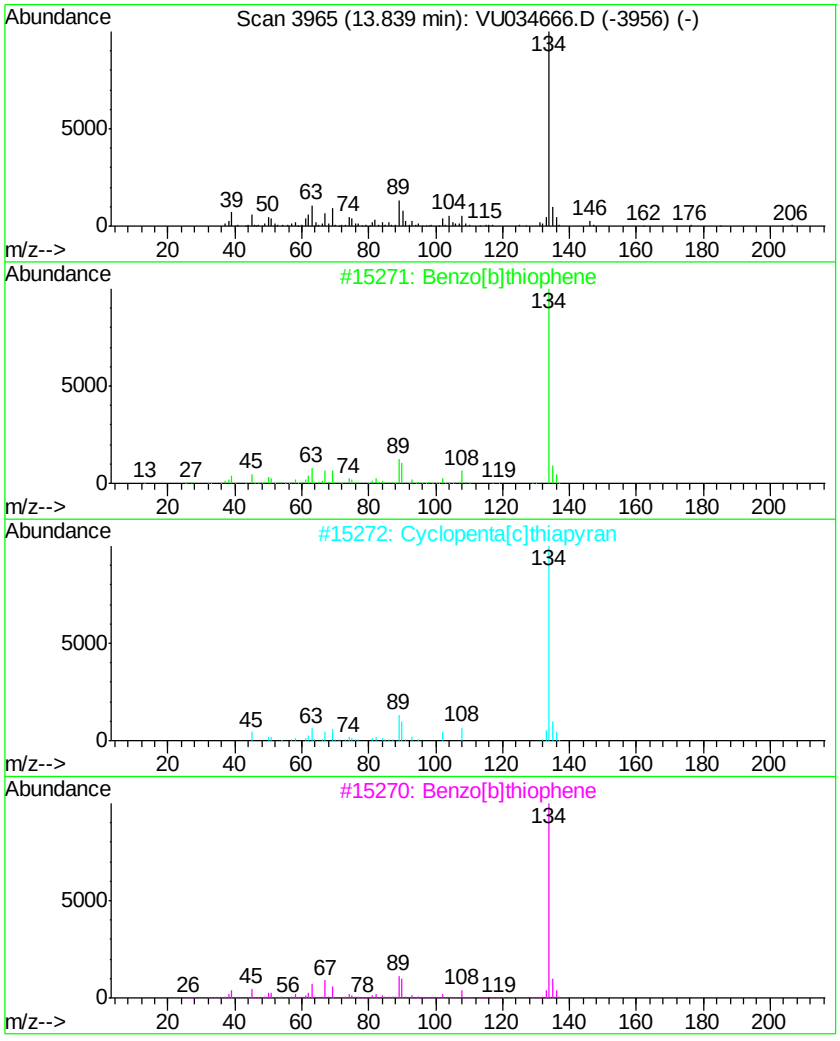
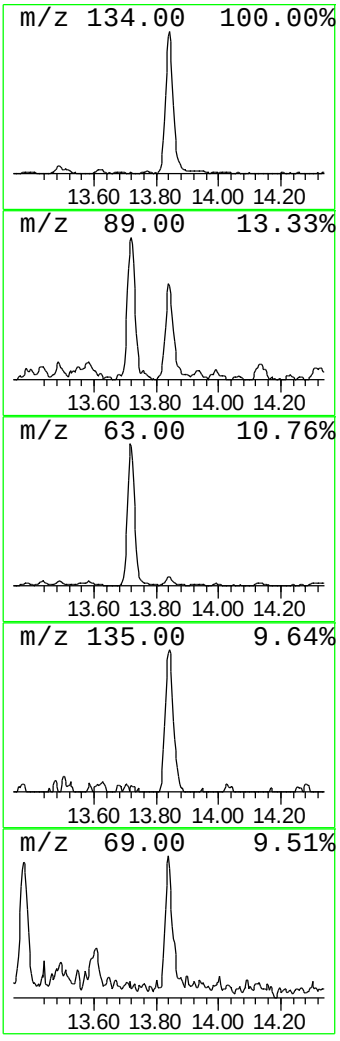
Peak Number 36 Benzo[b]thiophene Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.84	6.31 ug/L	194924	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene	134	C8H6S	000095-15-8	94
2	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	91
3	Benzo[b]thiophene	134	C8H6S	000095-15-8	91
4	Benzo[c]thiophene	134	C8H6S	000270-82-6	90
5	Benzo[b]thiophene	134	C8H6S	000095-15-8	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034666.D
Acq On : 19 Sep 2019 22:59
Operator : JC/SP
Sample : K4895-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH9

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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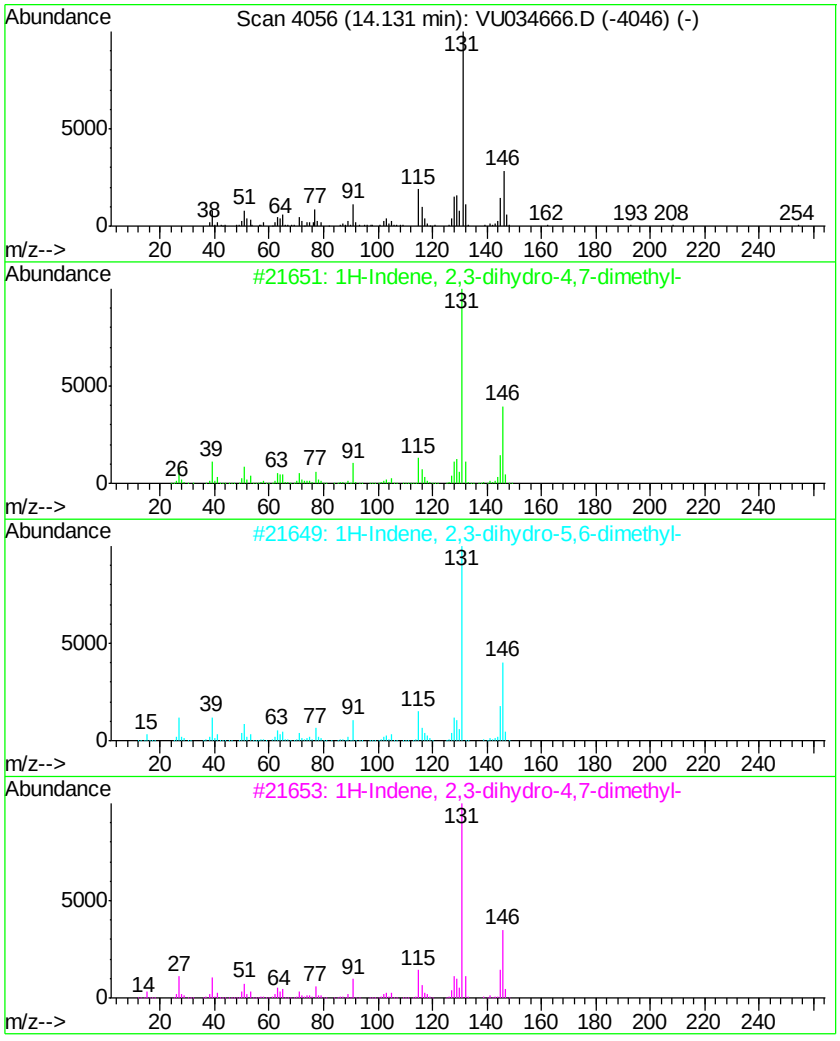
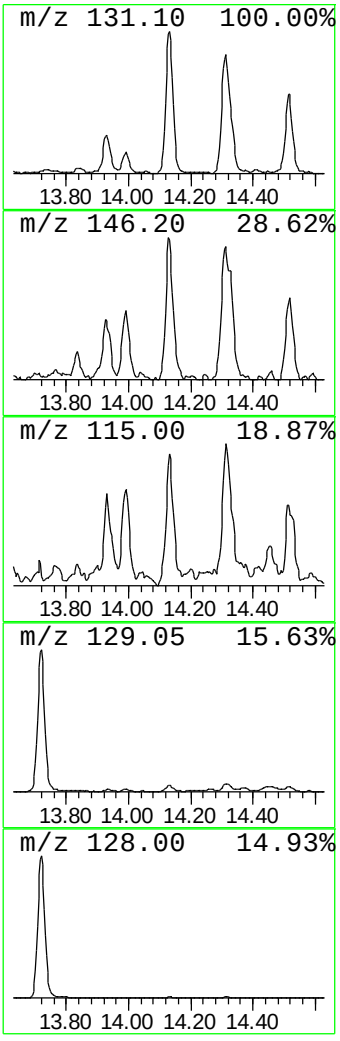
Peak Number 37 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.13	5.54 ug/L	170972	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	96
2	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	93
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	91
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	91
5	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034666.D
Acq On : 19 Sep 2019 22:59
Operator : JC/SP
Sample : K4895-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH9

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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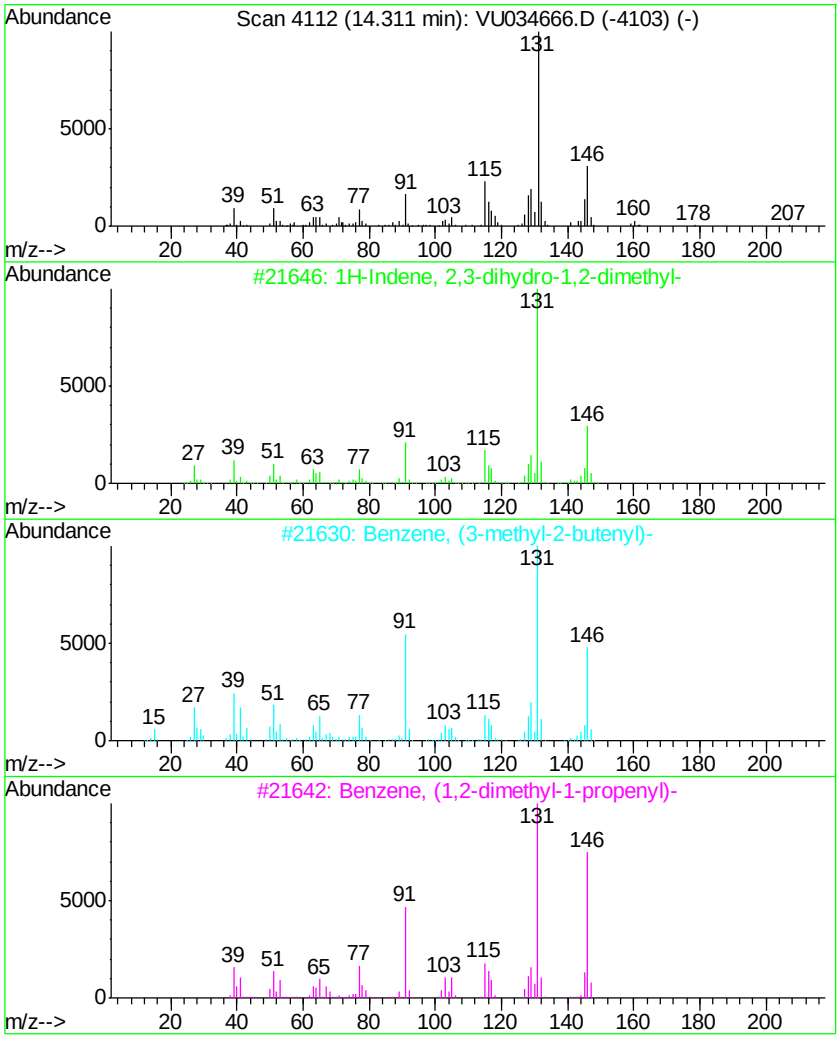
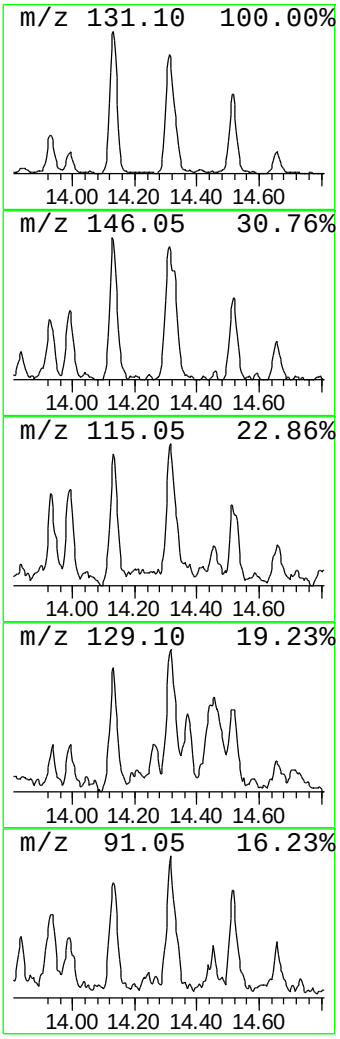
Peak Number 38 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.31	6.67 ug/L	205765	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	94
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	93
3	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	90
4	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	90
5	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034666.D
Acq On : 19 Sep 2019 22:59
Operator : JC/SP
Sample : K4895-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH9

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	9.1	ug/L	223790	1	5.86	1228360	50.0
n-Propyl acetate	6.68	161.3	ug/L	3963030	1	5.86	1228360	50.0
Propanoic acid, 2...	8.13	22.0	ug/L	726340	2	9.07	1653070	50.0
Propanoic acid, p...	8.40	39.4	ug/L	1302470	2	9.07	1653070	50.0
Butanoic acid, 1-...	8.88	43.6	ug/L	1441330	2	9.07	1653070	50.0
Benzene, propyl-	10.57	5.2	ug/L	159109	3	11.46	1543400	50.0
Benzene, 1-ethyl-...	10.66	38.7	ug/L	1195470	3	11.46	1543400	50.0
Benzene, 1,2,3-tr...	10.75	25.8	ug/L	796418	3	11.46	1543400	50.0
Benzene, 1-ethyl-...	10.95	18.0	ug/L	555162	3	11.46	1543400	50.0
Benzene, 4-ethyl-...	11.40	3.0	ug/L	91602	3	11.46	1543400	50.0
Benzene, 1,2,4-tr...	11.55	38.0	ug/L	1173750	3	11.46	1543400	50.0
Indane	11.74	23.2	ug/L	715562	3	11.46	1543400	50.0
Benzene, 1-methyl...	11.78	5.2	ug/L	161497	3	11.46	1543400	50.0
Benzene, 1-propynyl-	11.96	4.4	ug/L	135013	3	11.46	1543400	50.0
Benzene, 2-ethyl-...	12.12	8.0	ug/L	248327	3	11.46	1543400	50.0
o-Cymene	12.15	7.3	ug/L	224443	3	11.46	1543400	50.0
Indan, 1-methyl-	12.33	15.0	ug/L	463472	3	11.46	1543400	50.0
Bicyclo[2.2.1]hep...	12.59	5.5	ug/L	169143	3	11.46	1543400	50.0
Benzene, 1,2,4,5-...	12.63	9.6	ug/L	295101	3	11.46	1543400	50.0
Benzene, 1,2,3,5-...	12.68	15.6	ug/L	482497	3	11.46	1543400	50.0
Benzene, (2-methy...	12.94	13.2	ug/L	407904	3	11.46	1543400	50.0
2,4-Dimethylstyrene	13.10	36.8	ug/L	1135690	3	11.46	1543400	50.0
1,4-Dihydronaphth...	13.16	4.2	ug/L	130847	3	11.46	1543400	50.0
2-Methylindene	13.27	10.3	ug/L	317967	3	11.46	1543400	50.0
Bicyclo[2.2.1]hep...	13.38	6.2	ug/L	191957	3	11.46	1543400	50.0
Benzene, (1-methy...	13.49	9.2	ug/L	282567	3	11.46	1543400	50.0
Benzene, 1-methyl...	13.56	2.6	ug/L	80734	3	11.46	1543400	50.0
Benzo[b]thiophene	13.84	6.3	ug/L	194924	3	11.46	1543400	50.0
1H-Indene, 2,3-di...	14.13	5.5	ug/L	170972	3	11.46	1543400	50.0
1H-Indene, 2,3-di...	14.31	6.7	ug/L	205765	3	11.46	1543400	50.0