LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU091919\
Data File : VU034676.D
Acq On : 20 Sep 2019 02:53
Operator : JC/SP
Sample : K4895-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF6

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	1.392	86	94	106	rBV	354844	382845	4.32%	0.344%
2	1.537	133	139	149	rVB3	27429	36389	0.41%	0.033%
3	1.672	173	181	198	rBV	276849	356666	4.03%	0.320%
4	2.174	329	337	348	rVV2	33670	56187	0.63%	0.050%
5	2.260	352	364	374	rVV	513011	800543	9.04%	0.719%
6	2.305	375	378	392	rVB	23480	34683	0.39%	0.031%
7	2.974	570	586	599	rBV7	14917	34649	0.39%	0.031%
8	3.534	751	760	777	rVB2	21954	48052	0.54%	0.043%
9	3.868	850	864	876	rBV5	14900	39250	0.44%	0.035%
10	4.067	911	926	940	rBV4	18157	50352	0.57%	0.045%
11	4.151	940	952	983	rBV2	239689	706745	7.98%	0.635%
12	4.624	1084	1099	1119	rBV	341417	862402	9.74%	0.775%
13	4.756	1131	1140	1155	rVB2	51955	119616	1.35%	0.107%
14	4.971	1196	1207	1219	rBV6	17266	34731	0.39%	0.031%
15	5.315	1289	1314	1328	rBV2	787185	2377781	26.84%	2.136%
16	5.527	1360	1380	1395	rBV3	98191	268988	3.04%	0.242%
17	5.865	1472	1485	1498	rBV	640573	1267327	14.31%	1.138%
18	6.157	1564	1576	1602	rVB	149625	427143	4.82%	0.384%
19	6.309	1609	1623	1638	rBV	539851	1084160	12.24%	0.974%
20	6.395	1642	1650	1663	rVB4	38217	80668	0.91%	0.072%
21	6.685	1727	1740	1766	rBV	1801100	3230043	36.46%	2.902%
22	7.045	1839	1852	1862	rVV2	85741	163313	1.84%	0.147%
23	7.096	1863	1868	1881	rVB6	24071	39247	0.44%	0.035%
24	7.206	1886	1902	1931	rVB	314567	595333	6.72%	0.535%
25	7.402	1951	1963	1986	rVB3	307544	591812	6.68%	0.532%
26	7.543	1990	2007	2018	rBV	1105345	2002318	22.60%	1.799%
27	7.614	2018	2029	2047	rVB	2424552	4168857	47.06%	3.745%
28	7.826	2084	2095	2119	rBV2	293495	540762	6.10%	0.486%
29	8.074	2164	2172	2180	rVV4	32261	48697	0.55%	0.044%
30	8.135	2180	2191	2203	rVV	354868	571223	6.45%	0.513%
31	8.206	2203	2213	2229	rVV4	314790	604138	6.82%	0.543%
32	8.289	2229	2239	2259	rVV	900195	1596811	18.03%	1.434%
33	8.395	2262	2272	2300	rVB	620360	1075557	12.14%	0.966%
34	8.511	2300	2308	2316	rBV2	30579	49231	0.56%	0.044%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU091919\
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Acq On : 20 Sep 2019 02:53
Operator : JC/SP
Sample : K4895-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF6

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	8.884	2407	2424	2447	rBV	721303	1169489	13.20%	1.051%
36	9.067	2466	2481	2514	rVB	982905	1745896	19.71%	1.568%
37	9.228	2520	2531	2551	rVB	1090936	1736954	19.61%	1.560%
38	9.350	2555	2569	2590	rBV	5489132	8858420	100.00%	7.958%
39	9.755	2683	2695	2727	rVB	4313153	6906446	77.96%	6.204%
40	9.929	2736	2749	2755	rBV	17890	36864	0.42%	0.033%
41	10.019	2773	2777	2788	rVB7	22295	34470	0.39%	0.031%
42	10.144	2805	2816	2828	rBV	138479	220754	2.49%	0.198%
43	10.408	2887	2898	2914	rBV	560850	905388	10.22%	0.813%
44	10.566	2935	2947	2958	rBV	306326	483726	5.46%	0.435%
45	10.656	2959	2975	2993	rVV	2604091	5633693	63.60%	5.061%
46	10.749	2993	3004	3022	rVB	1961138	2976368	33.60%	2.674%
47	10.897	3042	3050	3055	rBV3	36809	52862	0.60%	0.047%
48	10.948	3055	3066	3087	rVB	1727054	2710573	30.60%	2.435%
49	11.125	3109	3121	3136	rVV	5197797	7836119	88.46%	7.039%
50	11.267	3157	3165	3170	rVV4	28528	52873	0.60%	0.047%
51	11.299	3170	3175	3188	rVB2	48287	73810	0.83%	0.066%
52	11.402	3193	3207	3215	rBV3	259774	458135	5.17%	0.412%
53	11.459	3215	3225	3241	rVV2	1079758	1897847	21.42%	1.705%
54	11.546	3241	3252	3267	rVB	2942372	4412989	49.82%	3.964%
55	11.662	3280	3288	3301	rVB2	41974	72199	0.82%	0.065%
56	11.742	3301	3313	3321	rBV	1571293	2740977	30.94%	2.462%
57	11.784	3322	3326	3333	rVV	517739	690871	7.80%	0.621%
58	11.845	3333	3345	3367	rVB6	2054661	4568689	51.57%	4.104%
59	11.958	3370	3380	3392	rBV2	155053	243551	2.75%	0.219%
60	12.032	3393	3403	3413	rBV	303434	452238	5.11%	0.406%
61	12.122	3421	3431	3436	rBV	549201	845168	9.54%	0.759%
62	12.151	3436	3440	3451	rVB	540474	763709	8.62%	0.686%
63	12.228	3453	3464	3471	rBV	1006088	1510248	17.05%	1.357%
64	12.331	3485	3496	3527	rVB2	648292	1400986	15.82%	1.259%
65	12.472	3529	3540	3546	rBV5	52611	91378	1.03%	0.082%
66	12.530	3547	3558	3568	rVB	380098	606337	6.84%	0.545%
67	12.627	3579	3588	3596	rBV	626893	881136	9.95%	0.792%
68	12.678	3596	3604	3622	rVB	1172752	1787930	20.18%	1.606%
69	12.765	3623	3631	3636	rBV2	80671	122440	1.38%	0.110%
70	12.797	3637	3641	3646	rVV2	59186	65756	0.74%	0.059%
71	12.826	3647	3650	3657	rVB	47117	49301	0.56%	0.044%

LSC Area Percent Report

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Acq On : 20 Sep 2019 02:53
Operator : JC/SP
Sample : K4895-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF6

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	12.903	3667	3674	3677	rBV	42709	56397	0.64%	0.051%
73	12.942	3677	3686	3701	rVB	722380	1071425	12.09%	0.962%
74	13.006	3701	3706	3714	rVB4	47929	63707	0.72%	0.057%
75	13.099	3715	3735	3750	rBV3	2005360	3449337	38.94%	3.099%
76	13.215	3765	3771	3777	rBV	63100	78939	0.89%	0.071%
77	13.266	3778	3787	3809	rVB3	402558	697951	7.88%	0.627%
78	13.382	3810	3823	3830	rBV5	112175	201683	2.28%	0.181%
79	13.434	3831	3839	3847	rBV2	175613	279462	3.15%	0.251%
80	13.485	3847	3855	3863	rBV4	287308	465025	5.25%	0.418%
81	13.556	3872	3877	3881	rBV2	60917	72396	0.82%	0.065%
82	13.588	3881	3887	3893	rVB	150891	181760	2.05%	0.163%
83	13.720	3911	3928	3939	rBV	5628649	8837539	99.76%	7.939%
84	13.836	3954	3964	3979	rVB2	316724	581915	6.57%	0.523%
85	13.926	3980	3992	4005	rVV7	150368	364429	4.11%	0.327%
86	13.990	4005	4012	4022	rVV2	95804	154057	1.74%	0.138%
87	14.131	4046	4056	4071	rBV2	196551	331280	3.74%	0.298%
88	14.311	4102	4112	4126	rBV2	196170	454438	5.13%	0.408%
89	14.456	4148	4157	4167	rBV2	84957	141776	1.60%	0.127%
90	14.514	4167	4175	4189	rVB2	150988	270777	3.06%	0.243%
91	14.655	4211	4219	4235	rVB4	82482	154401	1.74%	0.139%
92	14.797	4255	4263	4270	rBV	57407	93992	1.06%	0.084%
93	14.855	4270	4281	4296	rVV	1199438	1927832	21.76%	1.732%
94	14.967	4310	4316	4327	rBV6	15117	36241	0.41%	0.033%
95	15.038	4327	4338	4352	rVV	859785	1418261	16.01%	1.274%
96	15.565	4490	4502	4509	rBV4	27935	56845	0.64%	0.051%
97	15.781	4553	4569	4576	rBV7	30282	65765	0.74%	0.059%
98	15.893	4595	4604	4613	rBV4	48357	97921	1.11%	0.088%
99	16.038	4639	4649	4656	rBV2	108122	176908	2.00%	0.159%
100	16.077	4657	4661	4679	rVB3	56057	94086	1.06%	0.085%

Sum of corrected areas: 111319654

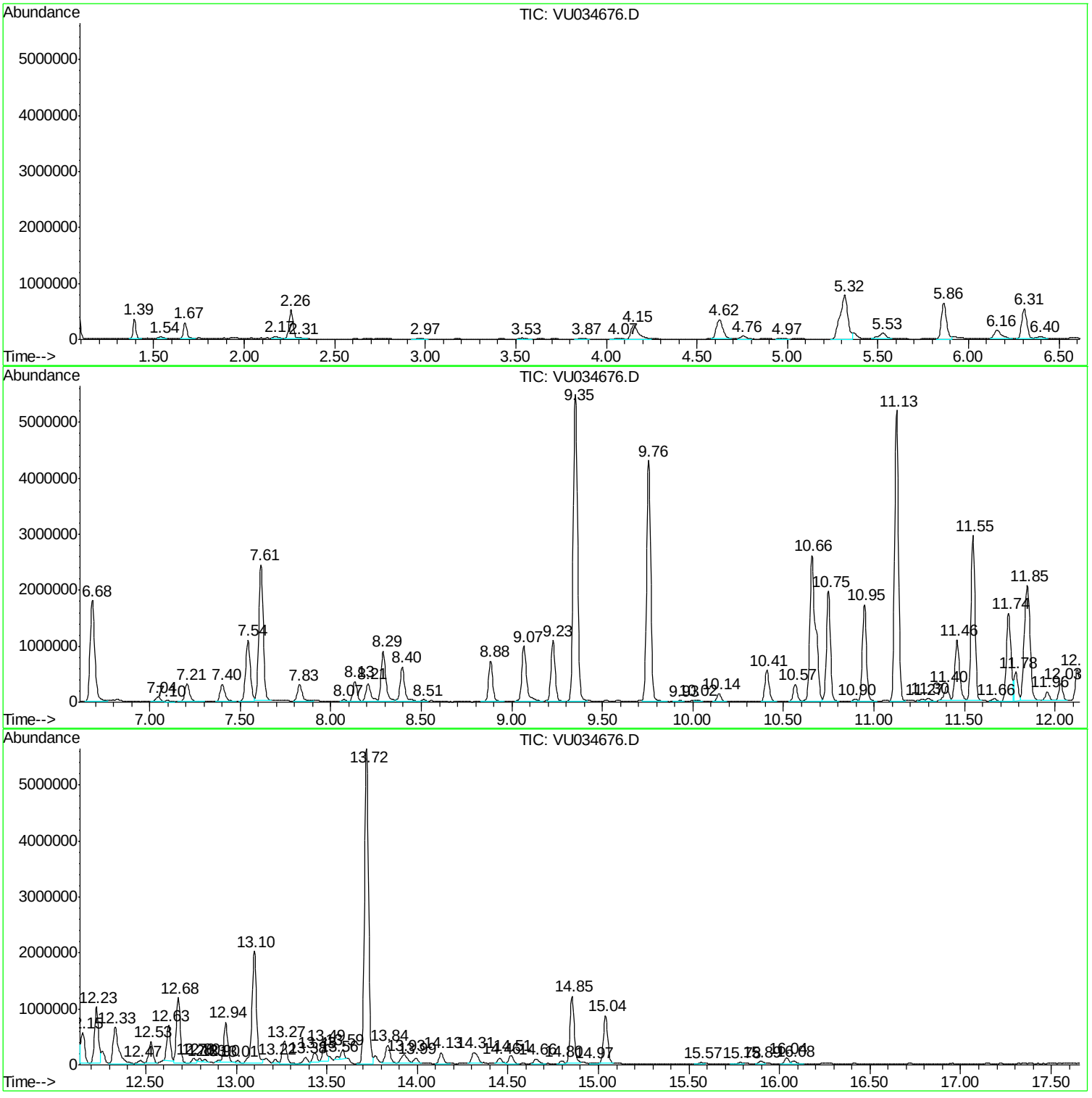
LSC Report - Integrated Chromatogram

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU091919\
Data File : VU034676.D
Acq On : 20 Sep 2019 02:53
Operator : JC/SP
Sample : K4895-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF6

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU091919\
Data File : VU034676.D
Acq On : 20 Sep 2019 02:53
Operator : JC/SP
Sample : K4895-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF6

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

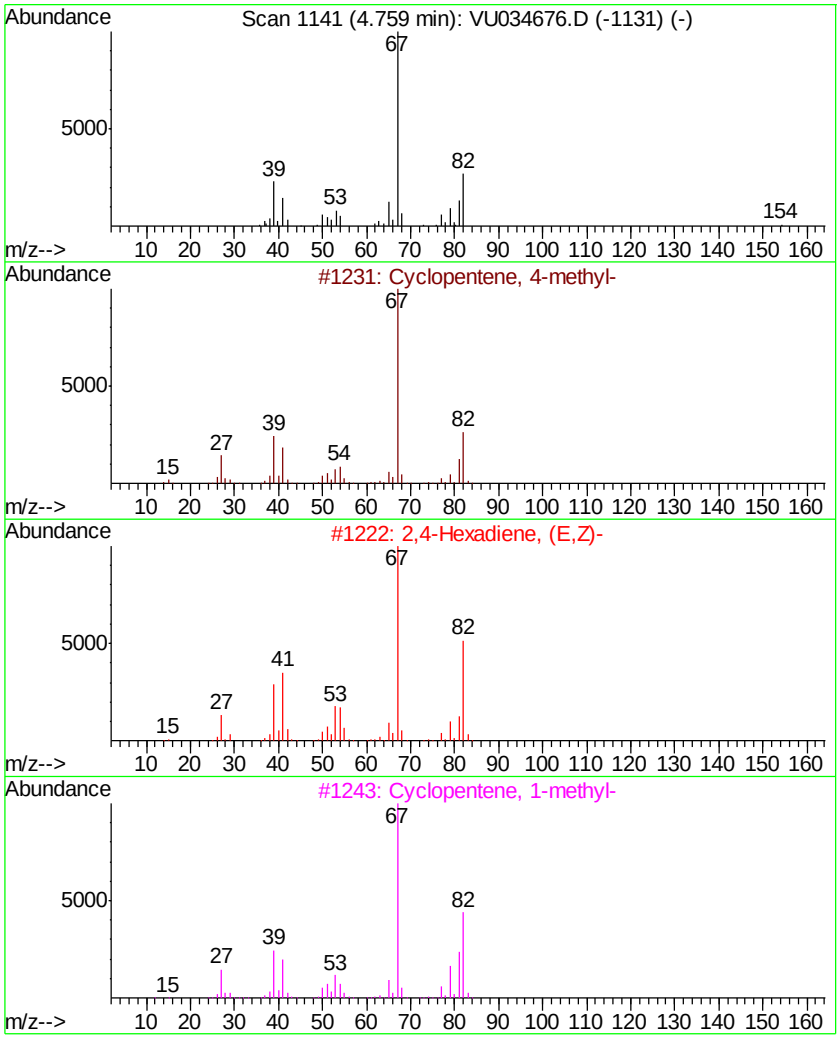
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

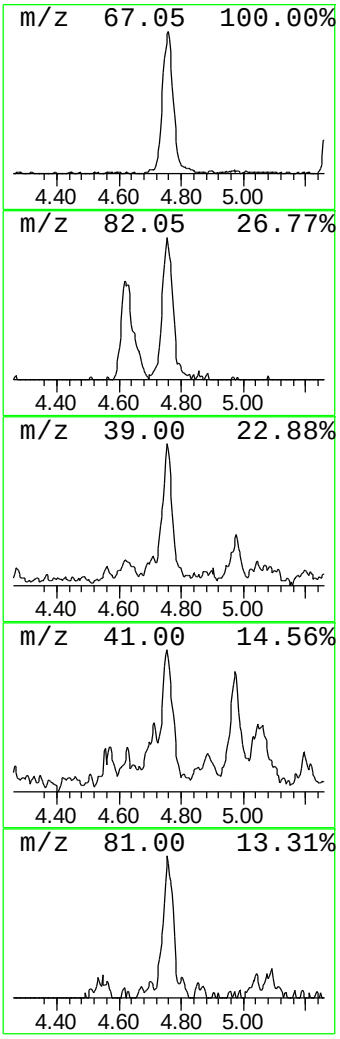
****

Peak Number 1 Cyclopentene, 4-methyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.76	4.72 ug/L	119616	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 4-methyl-	82	C6H10	001759-81-5	83
2	2,4-Hexadiene, (E,Z)-	82	C6H10	005194-50-3	80
3	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	80
4	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	80
5	1,4-Hexadiene	82	C6H10	000592-45-0	80





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU091919\
Data File : VU034676.D
Acq On : 20 Sep 2019 02:53
Operator : JC/SP
Sample : K4895-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF6

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

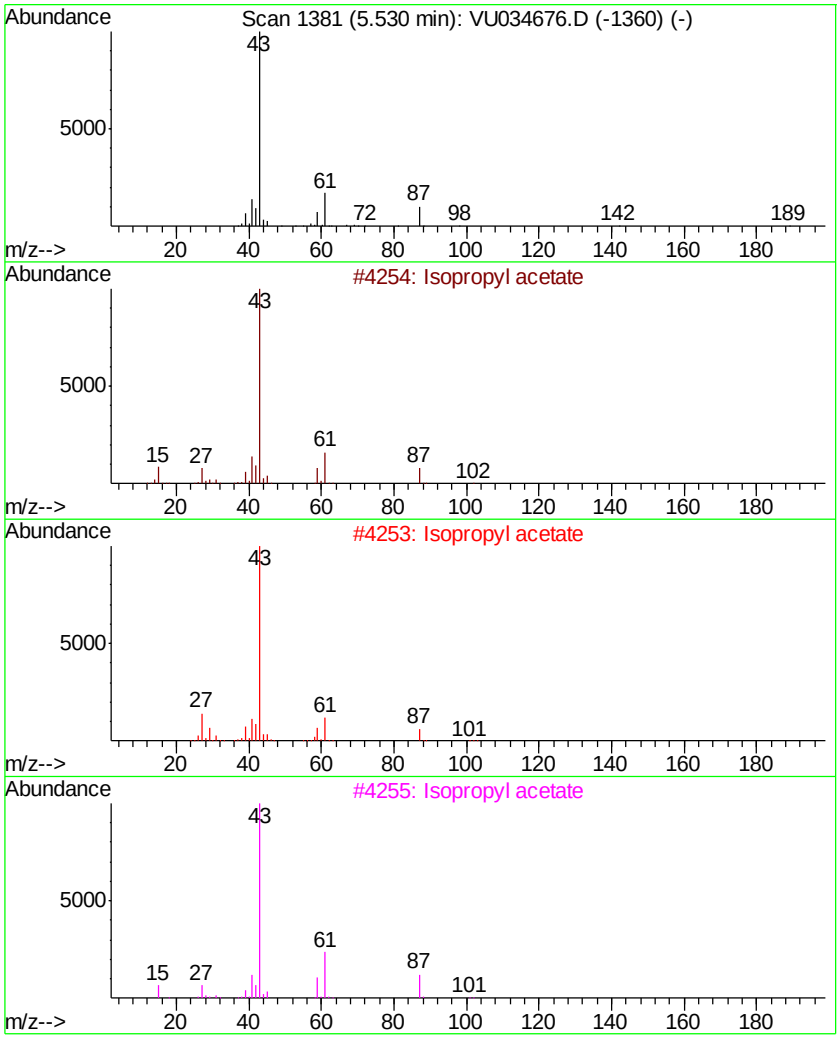
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

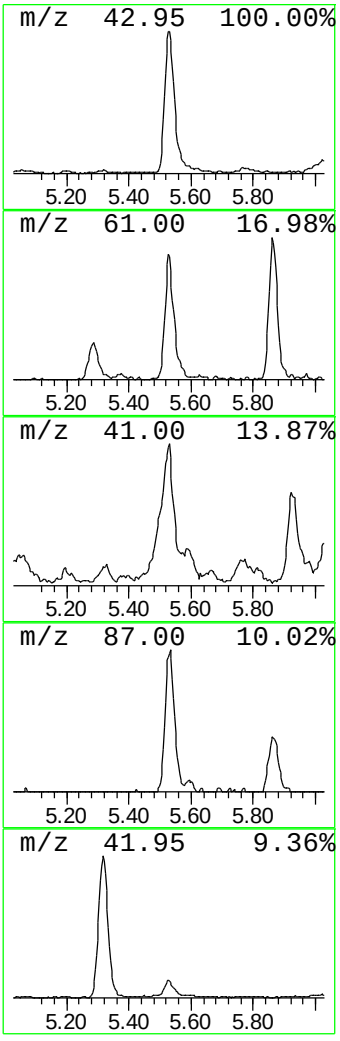
****

Peak Number 2 Isopropyl acetate Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.53	10.61 ug/L	268988	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	50
3	Isopropyl acetate	102	C5H10O2	000108-21-4	40
4	n-Propyl acetate	102	C5H10O2	000109-60-4	9
5	2-Pentanol, acetate	130	C7H14O2	000626-38-0	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU091919\
Data File : VU034676.D
Acq On : 20 Sep 2019 02:53
Operator : JC/SP
Sample : K4895-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF6

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

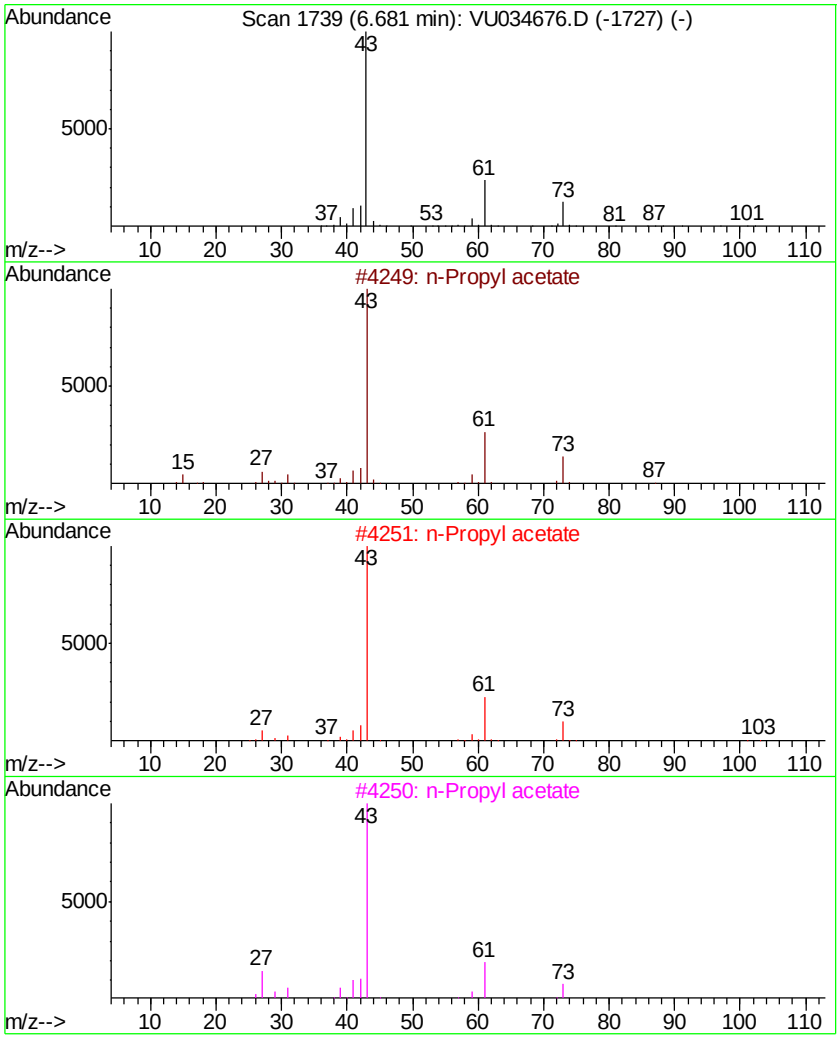
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

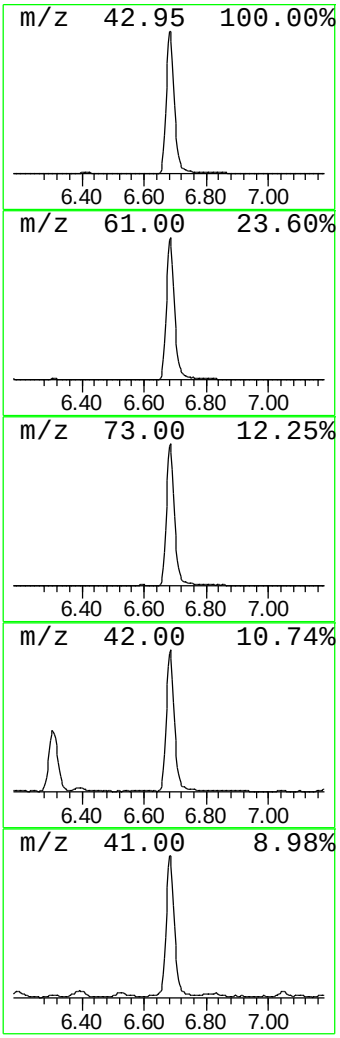
****

Peak Number 3 n-Propyl acetate Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	127.44 ug/L	3230040	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	38
5	1-Butanamine	73	C4H11N	000109-73-9	7





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU091919\
Data File : VU034676.D
Acq On : 20 Sep 2019 02:53
Operator : JC/SP
Sample : K4895-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF6

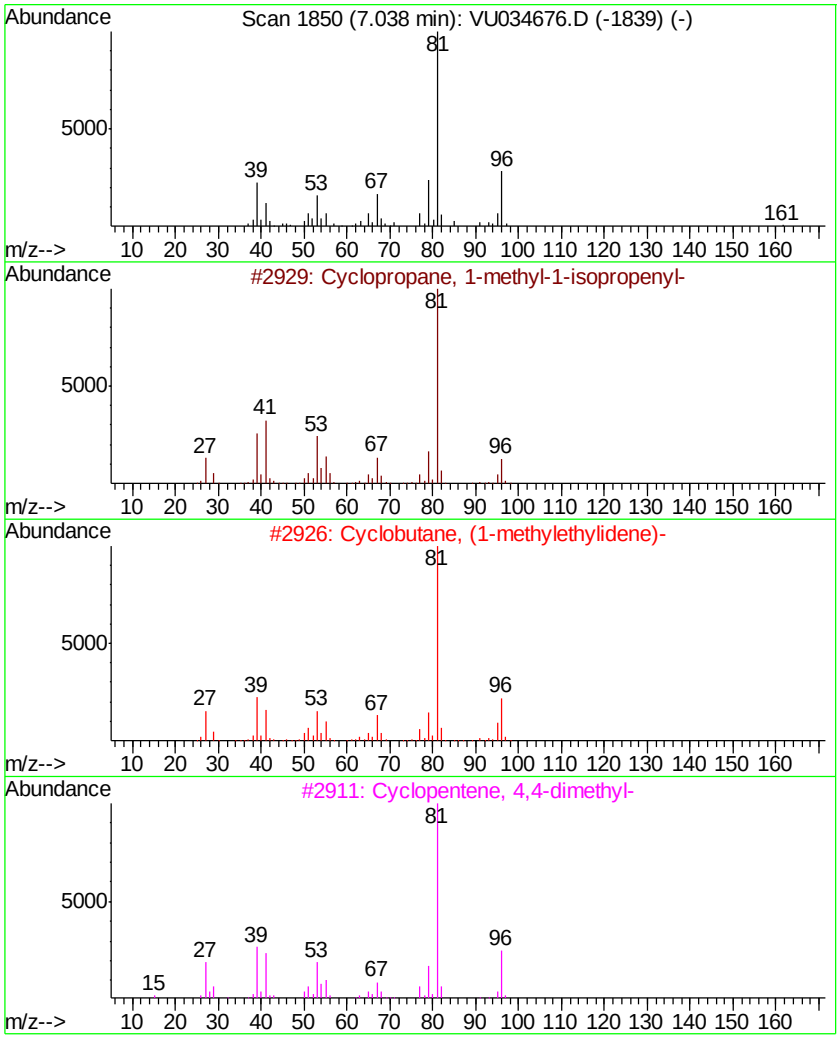
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

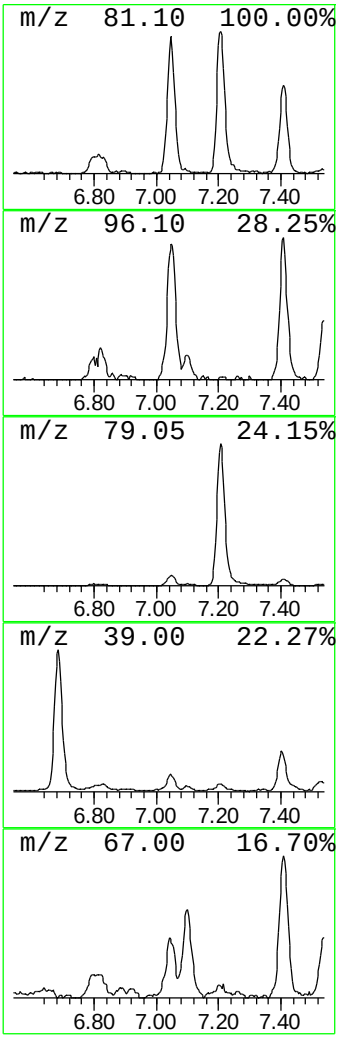
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Cyclopropane, 1-methyl-1-is... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.04	6.44 ug/L	163313	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1-methyl-1-isoprop...	96	C7H12	003422-07-9	91
2	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	90
3	Cyclopentene, 4,4-dimethyl-	96	C7H12	019037-72-0	86
4	Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	83
5	3,5-Dimethylcyclopentene	96	C7H12	007459-71-4	80





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU091919\
Data File : VU034676.D
Acq On : 20 Sep 2019 02:53
Operator : JC/SP
Sample : K4895-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF6

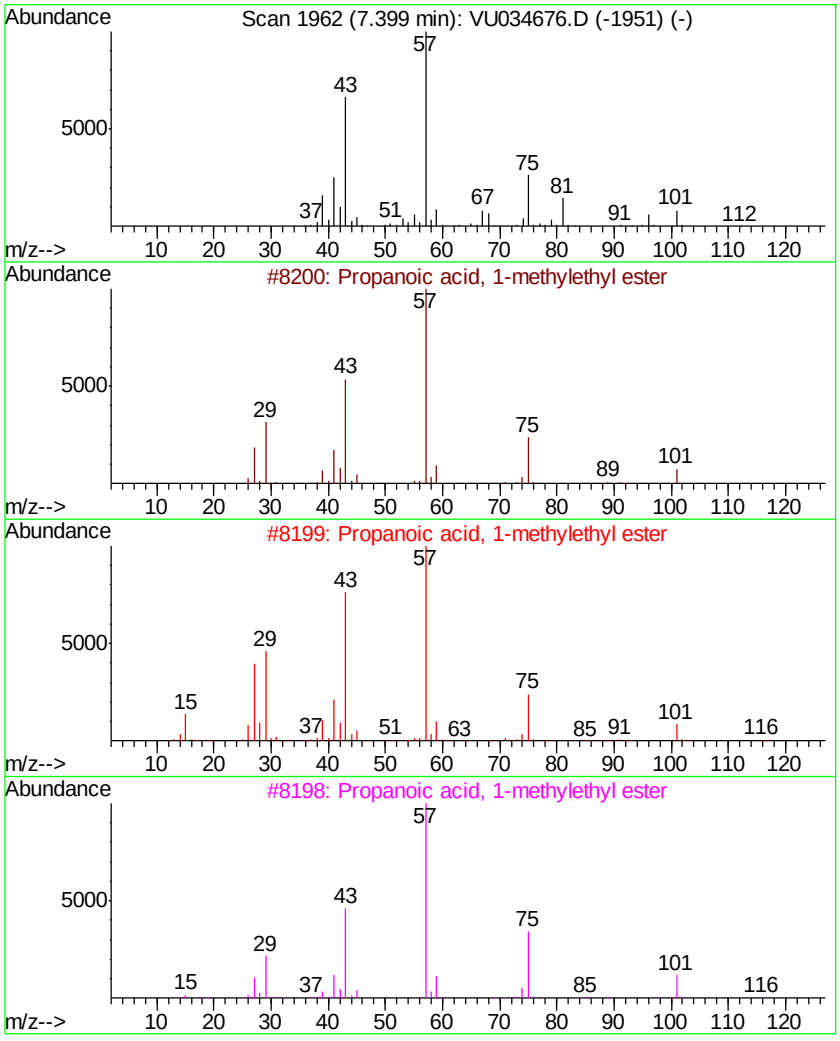
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

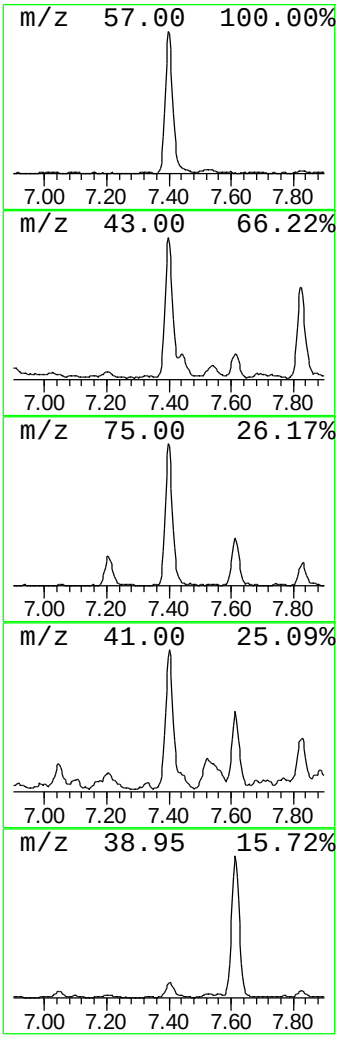
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Propanoic acid, 1-methyleth... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.40	23.35 ug/L	591812	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	50
2	Propanoic acid, 1-methylethyl ester	116	C6H12O2	000637-78-5	50
3	Propanoic acid, 1-methylethyl ester	116	C6H12O2	000637-78-5	43
4	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	38
5	Propanoic acid, 1-methylethyl ester	116	C6H12O2	000637-78-5	37





Library Search Compound Report

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Data File : VU034676.D
Acq On : 20 Sep 2019 02:53
Operator : JC/SP
Sample : K4895-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF6

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

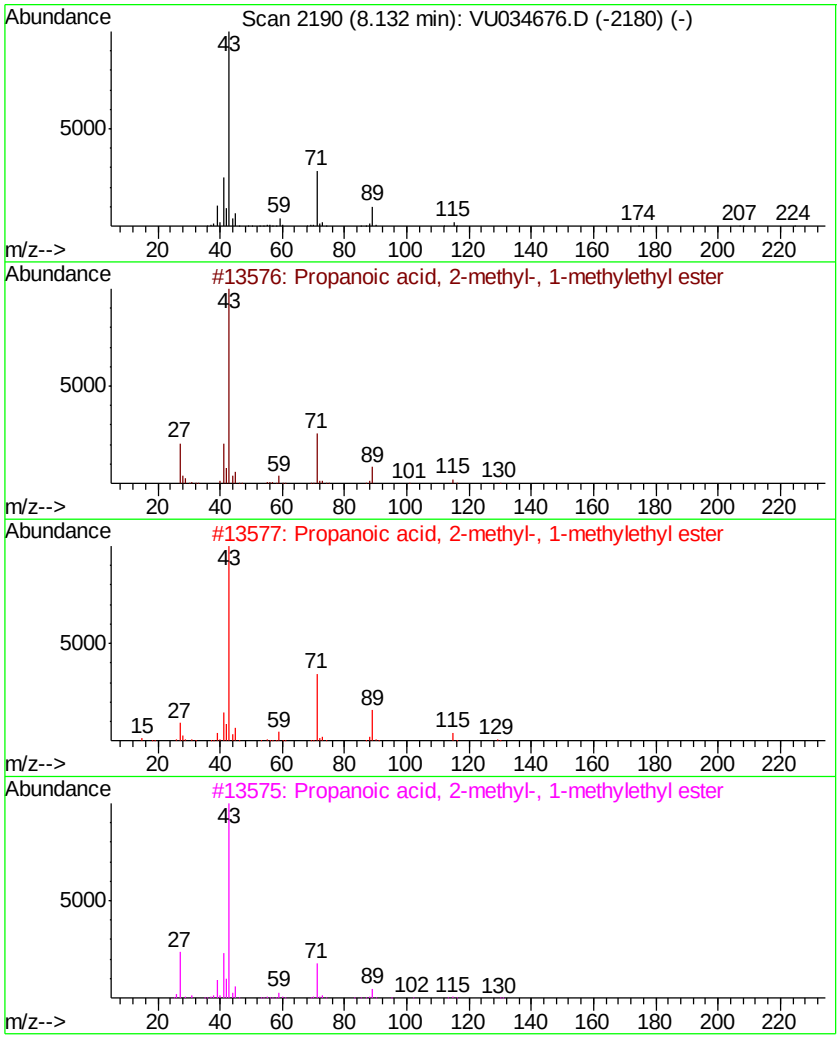
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

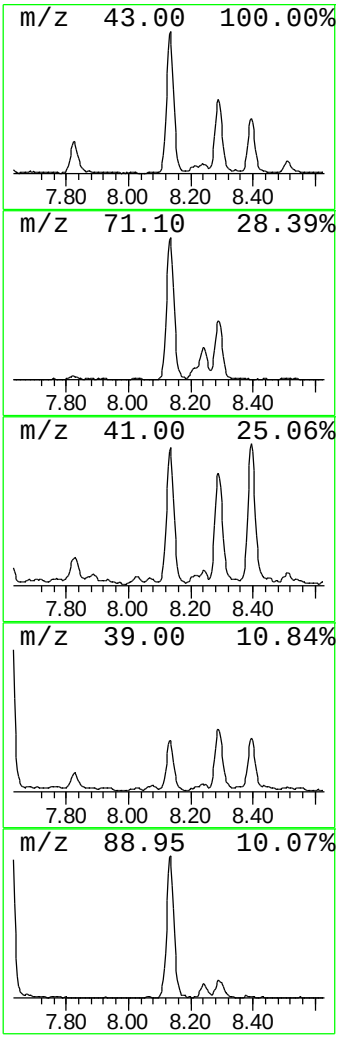
****

Peak Number 7 Propanoic acid, 2-methyl-, ... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.13	16.36 ug/L	571223	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	59
3	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	59
4	N-Hydroxymethylacetamide	89	C3H7NO2	000625-51-4	42
5	3-Hexanone, 5-hydroxy-2-methyl-	130	C7H14O2	059357-07-2	39





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Operator : JC/SP
Sample : K4895-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF6

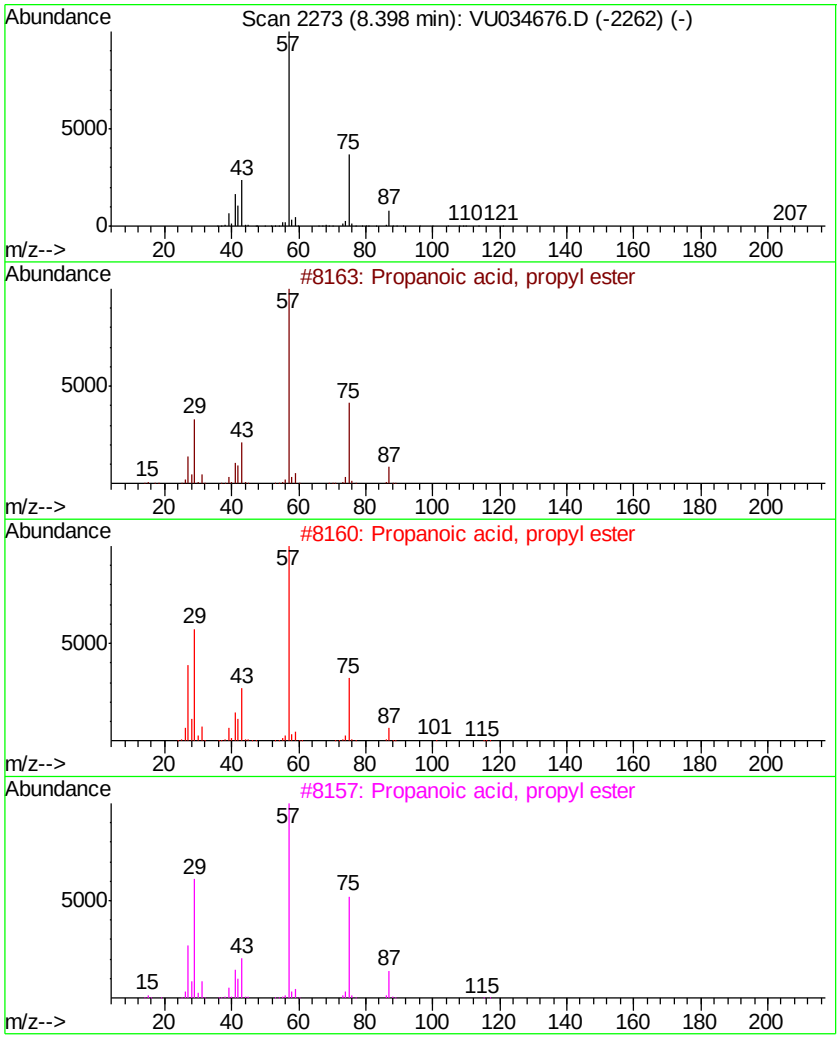
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

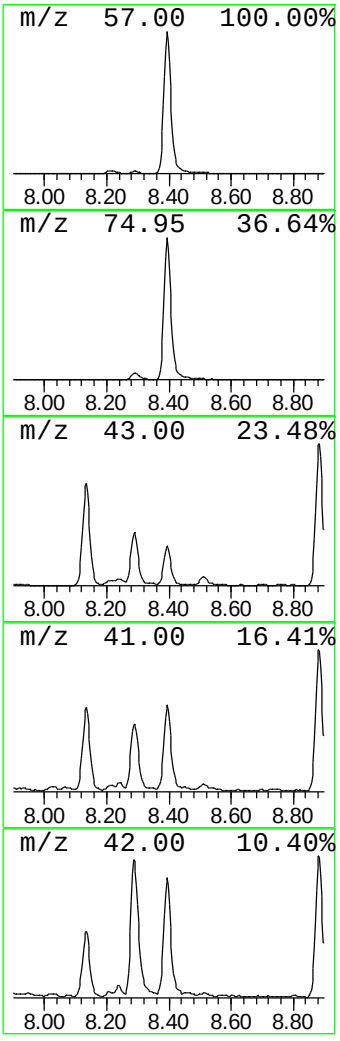
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Propanoic acid, propyl ester Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.40	30.80 ug/L	1075560	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	72
5	Propanoic acid, butyl ester	130	C7H14O2	000590-01-2	36





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Data File : VU034676.D
Acq On : 20 Sep 2019 02:53
Operator : JC/SP
Sample : K4895-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF6

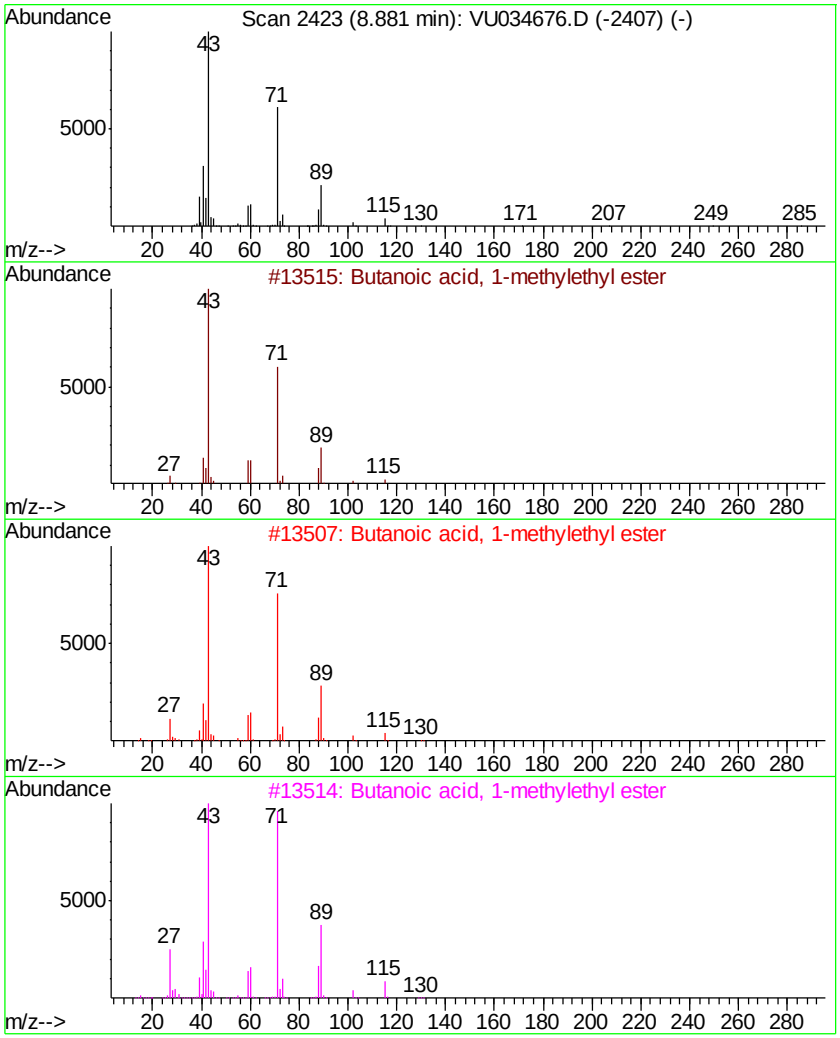
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

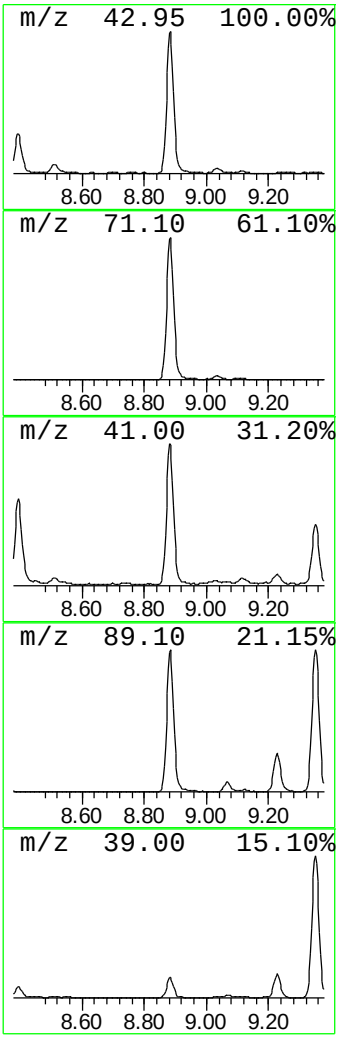
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Butanoic acid, 1-methylethy... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.88	33.49 ug/L	1169490	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	90
2	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	90
3	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	78
4	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	78
5	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	56





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Data File : VU034676.D
Acq On : 20 Sep 2019 02:53
Operator : JC/SP
Sample : K4895-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF6

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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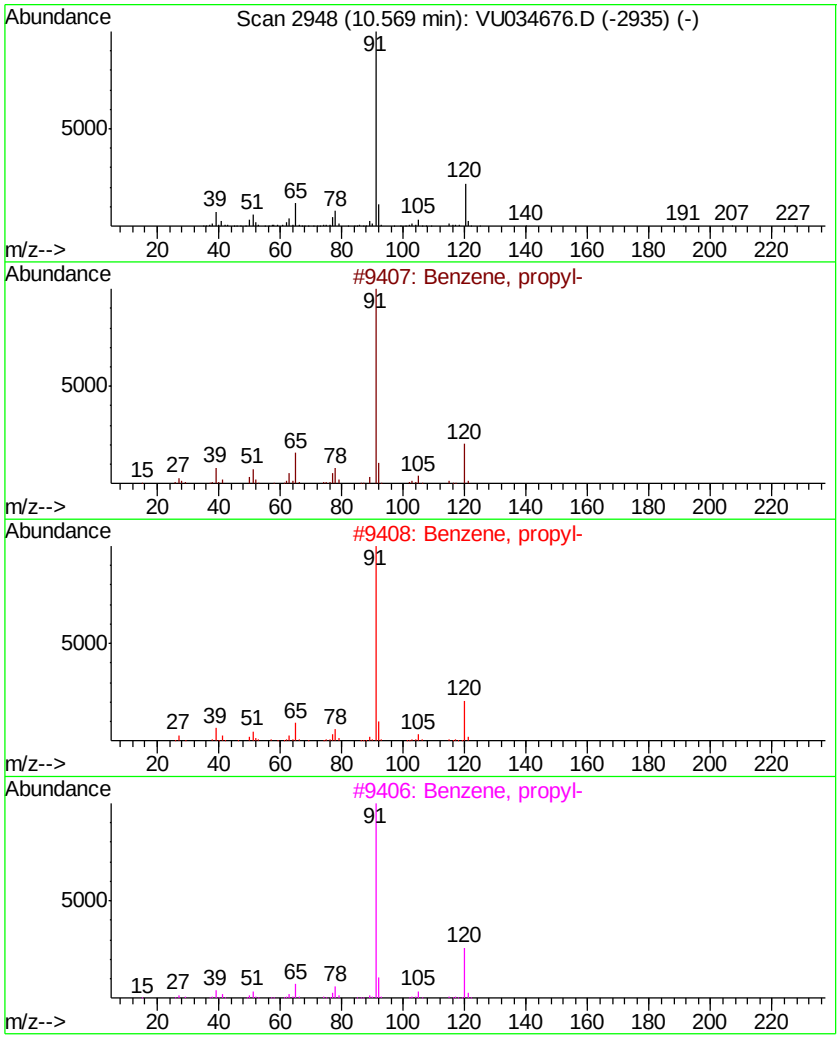
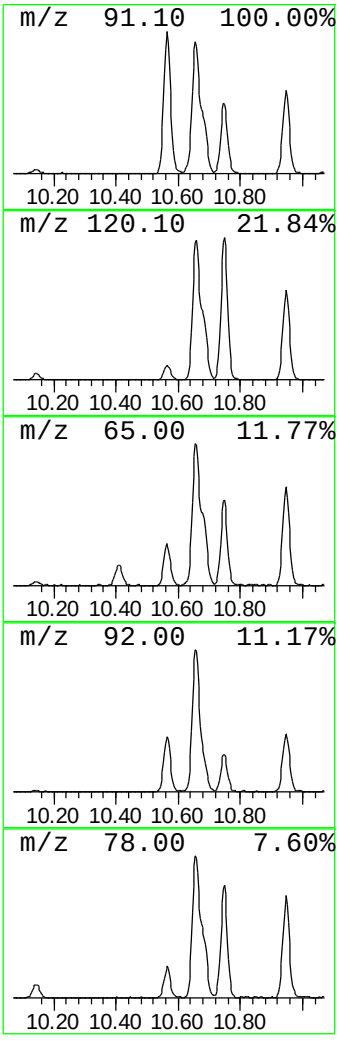
Peak Number 10 Benzene, propyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.57	12.74 ug/L	483726	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	94
2	Benzene, propyl-	120	C9H12	000103-65-1	90
3	Benzene, propyl-	120	C9H12	000103-65-1	87
4	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	78
5	Benzeneacetaldehyde	120	C8H8O	000122-78-1	62





Library Search Compound Report

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Acq On : 20 Sep 2019 02:53
Operator : JC/SP
Sample : K4895-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF6

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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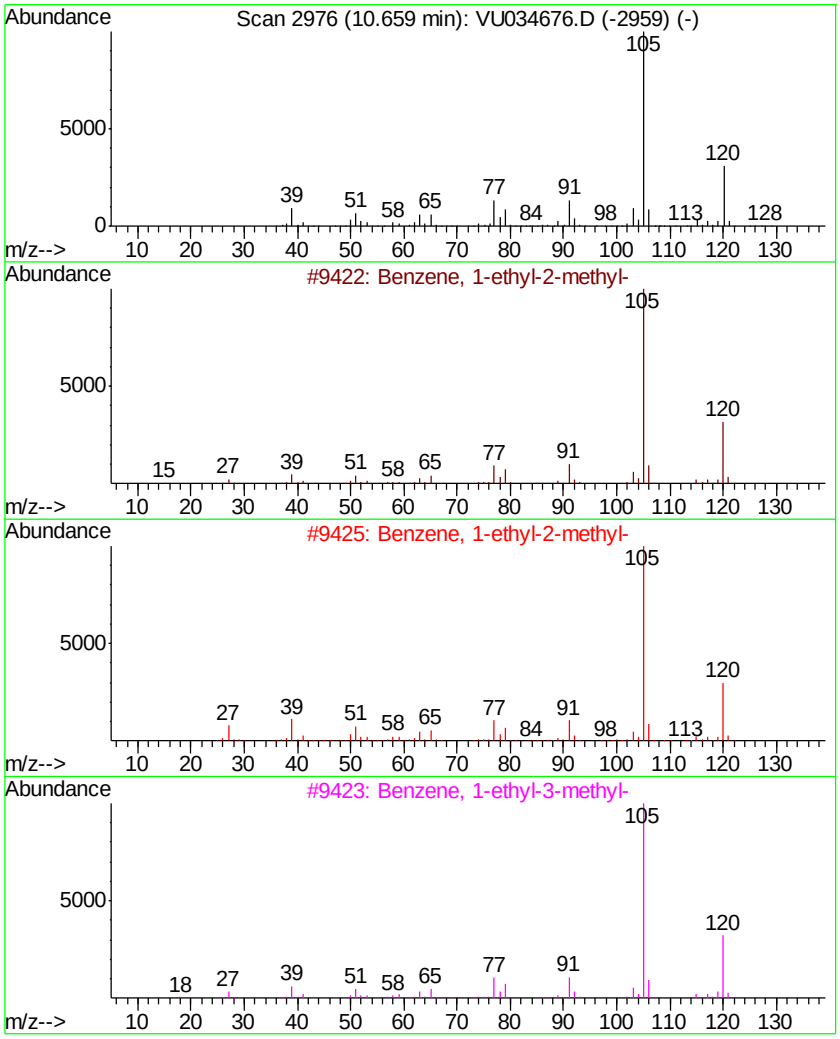
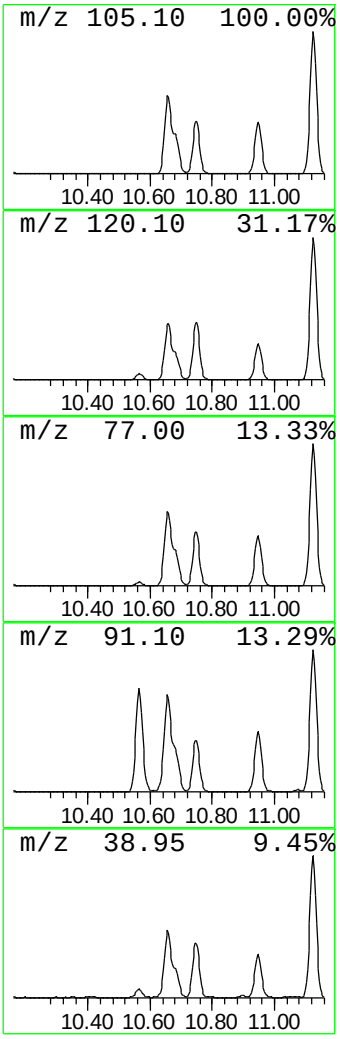
Peak Number 11 Benzene, 1-ethyl-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	148.42 ug/L	5633690	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-2-methyl-	120	C9H12	000611-14-3	95
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94





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Acq On : 20 Sep 2019 02:53
Operator : JC/SP
Sample : K4895-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF6

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

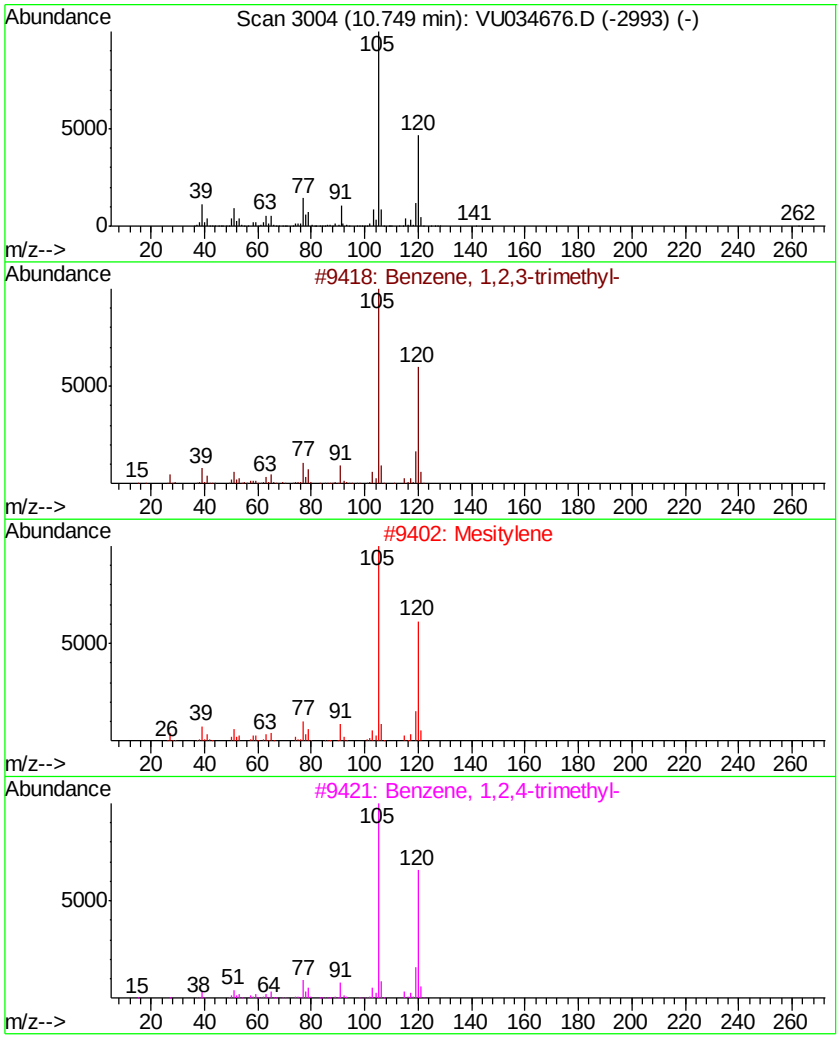
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

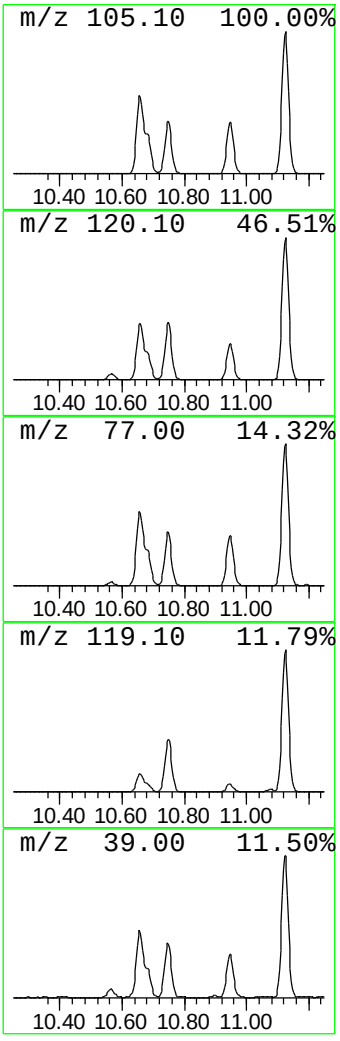
****

Peak Number 12 Benzene, 1,2,3-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	78.41 ug/L	2976370	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	95
2	Mesitylene	120	C9H12	000108-67-8	95
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
4	Mesitylene	120	C9H12	000108-67-8	94
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94





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Acq On : 20 Sep 2019 02:53
Operator : JC/SP
Sample : K4895-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF6

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

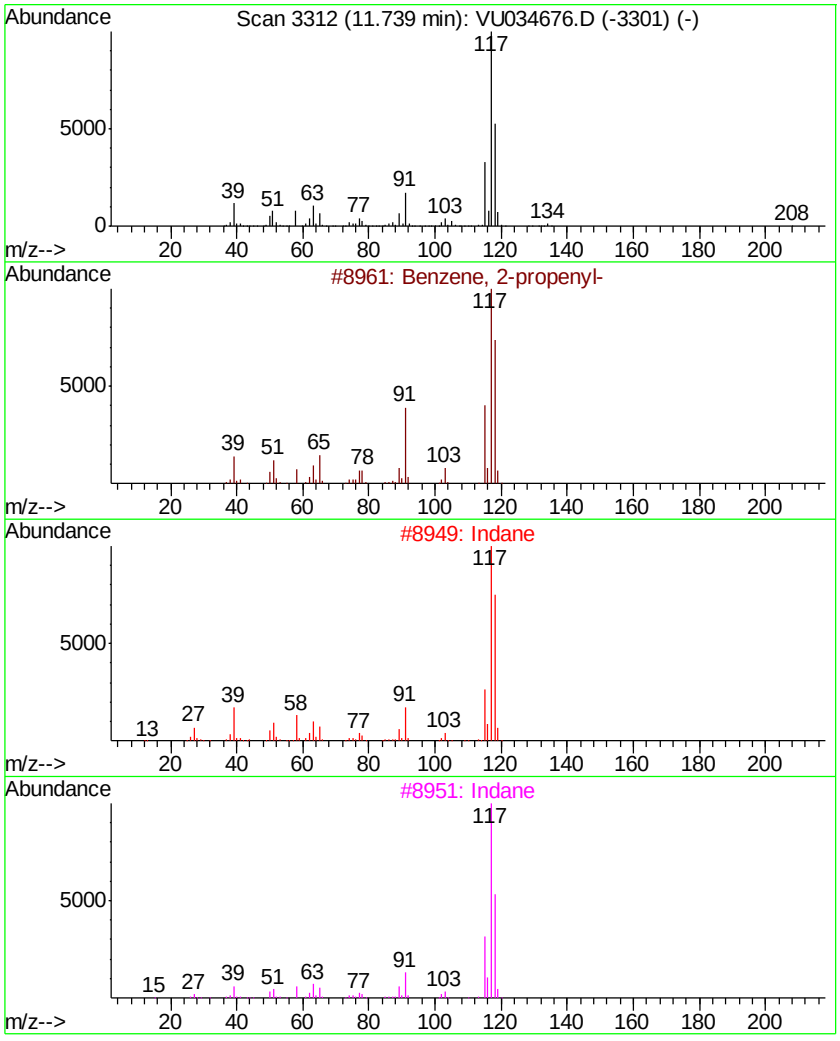
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

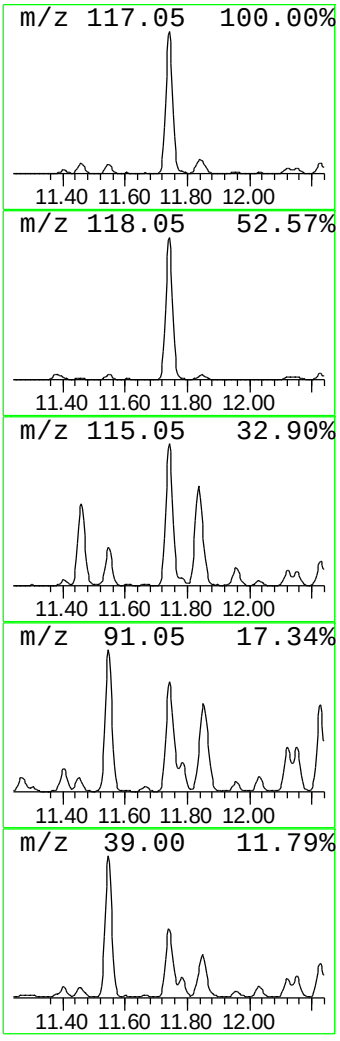
****

Peak Number 16 Benzene, 2-propenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	72.21 ug/L	2740980	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-propenyl-	118	C9H10	000300-57-2	87
2	Indane	118	C9H10	000496-11-7	87
3	Indane	118	C9H10	000496-11-7	87
4	Indane	118	C9H10	000496-11-7	76
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	68





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Data File : VU034676.D
Acq On : 20 Sep 2019 02:53
Operator : JC/SP
Sample : K4895-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF6

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

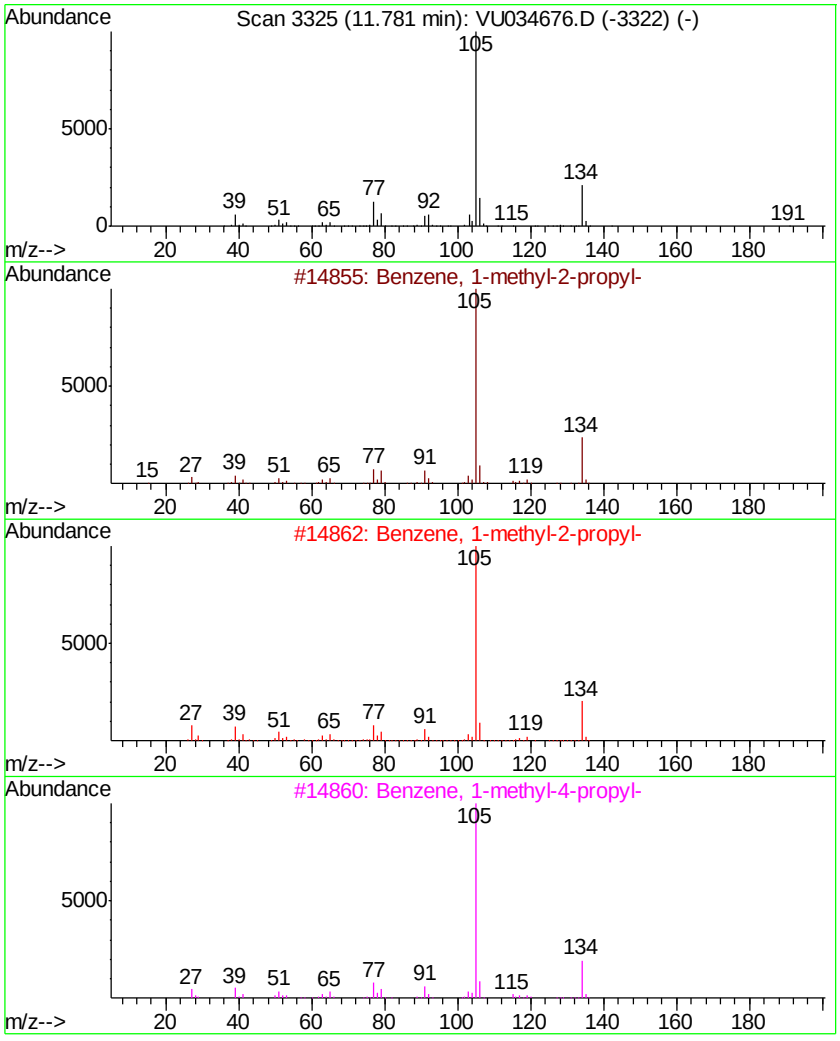
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

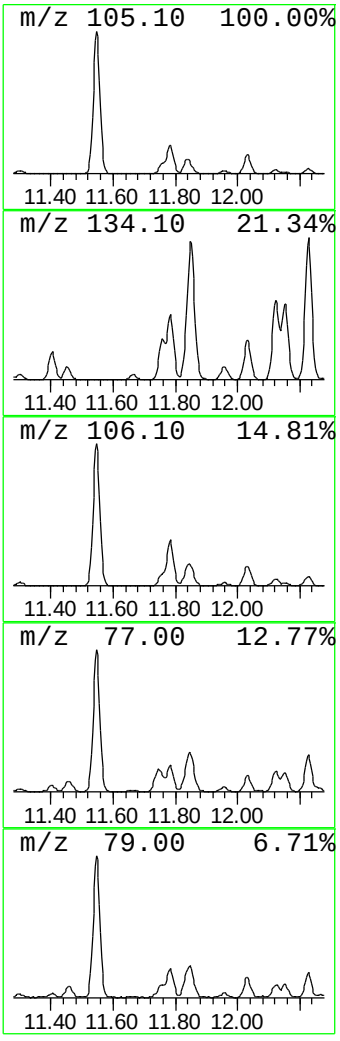
****

Peak Number 17 Benzene, 1-methyl-2-propyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	18.20 ug/L	690871	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	91
2	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	90
3	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	90
4	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	87
5	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	86





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Operator : JC/SP
Sample : K4895-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF6

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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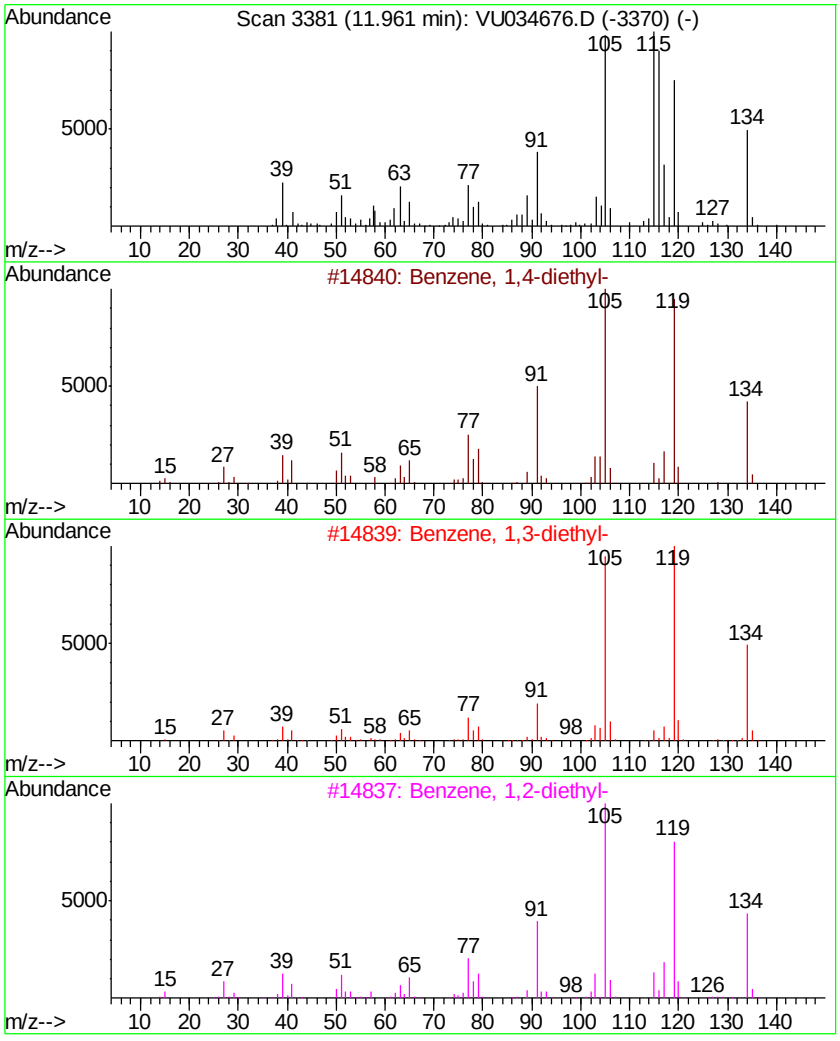
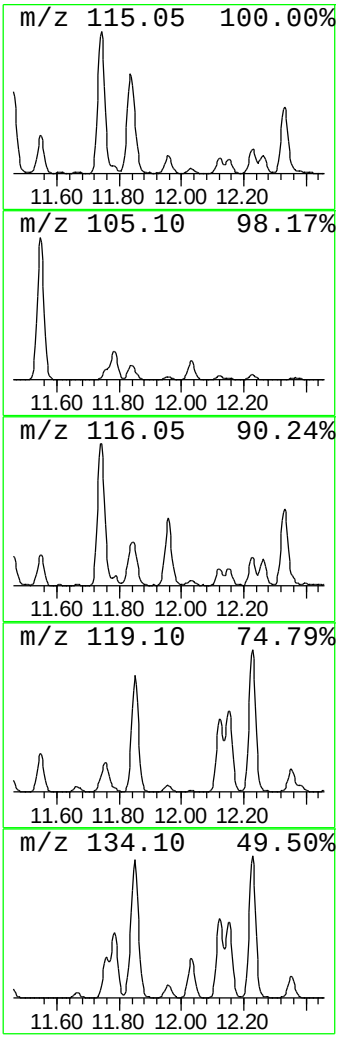
Peak Number 18 Benzene, 1,4-diethyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	6.42 ug/L	243551	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	87
2	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	50
3	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	50
4	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	50
5	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	50





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Acq On : 20 Sep 2019 02:53
Operator : JC/SP
Sample : K4895-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF6

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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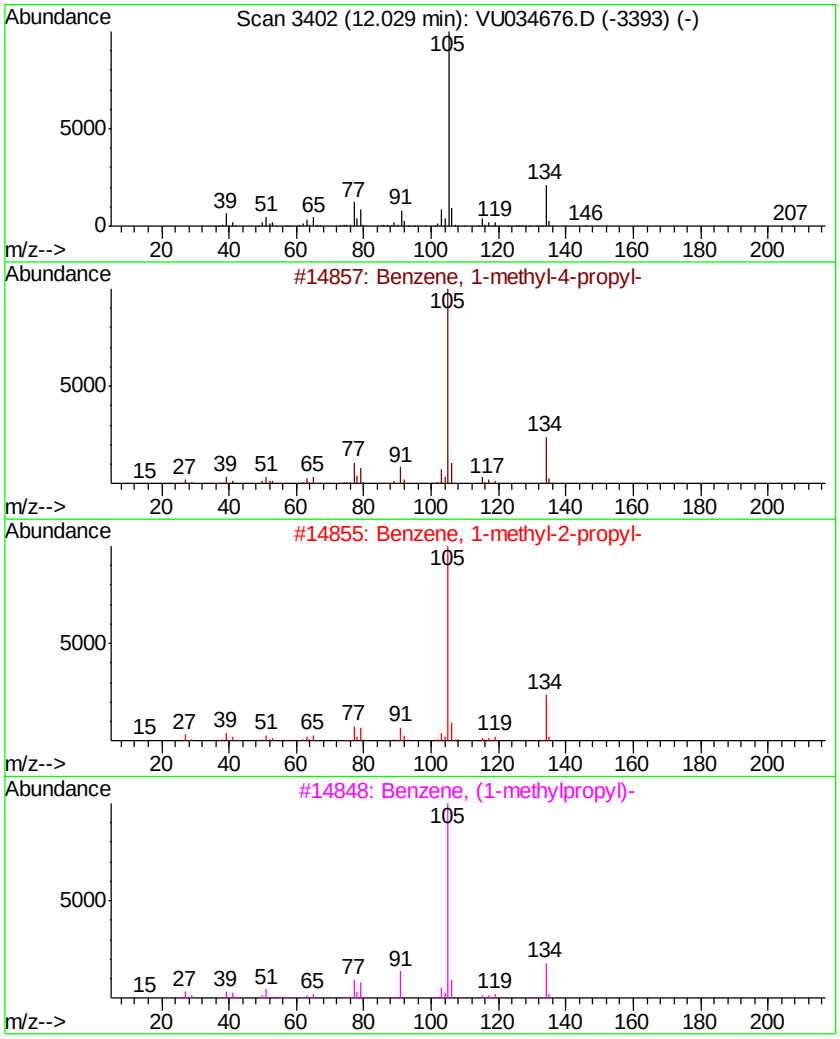
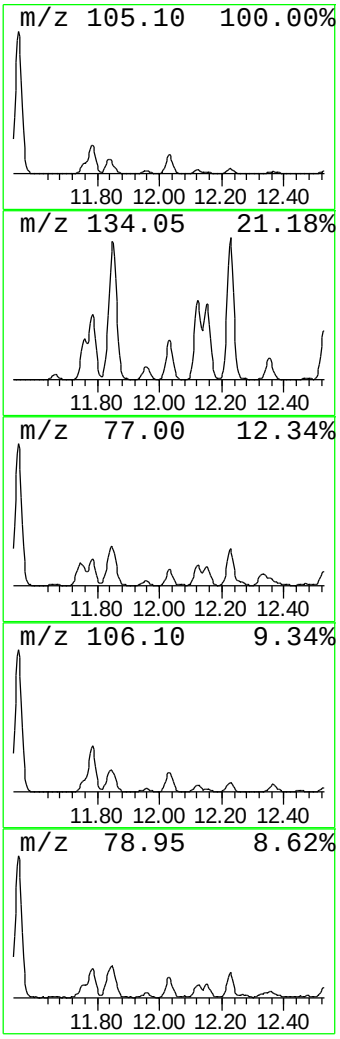
Peak Number 19 Benzene, 1-methyl-4-propyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	11.91 ug/L	452238	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	94
2	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	91
3	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	91
4	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	87





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Acq On : 20 Sep 2019 02:53
Operator : JC/SP
Sample : K4895-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF6

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 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	22.27 ug/L	845168	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	96
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
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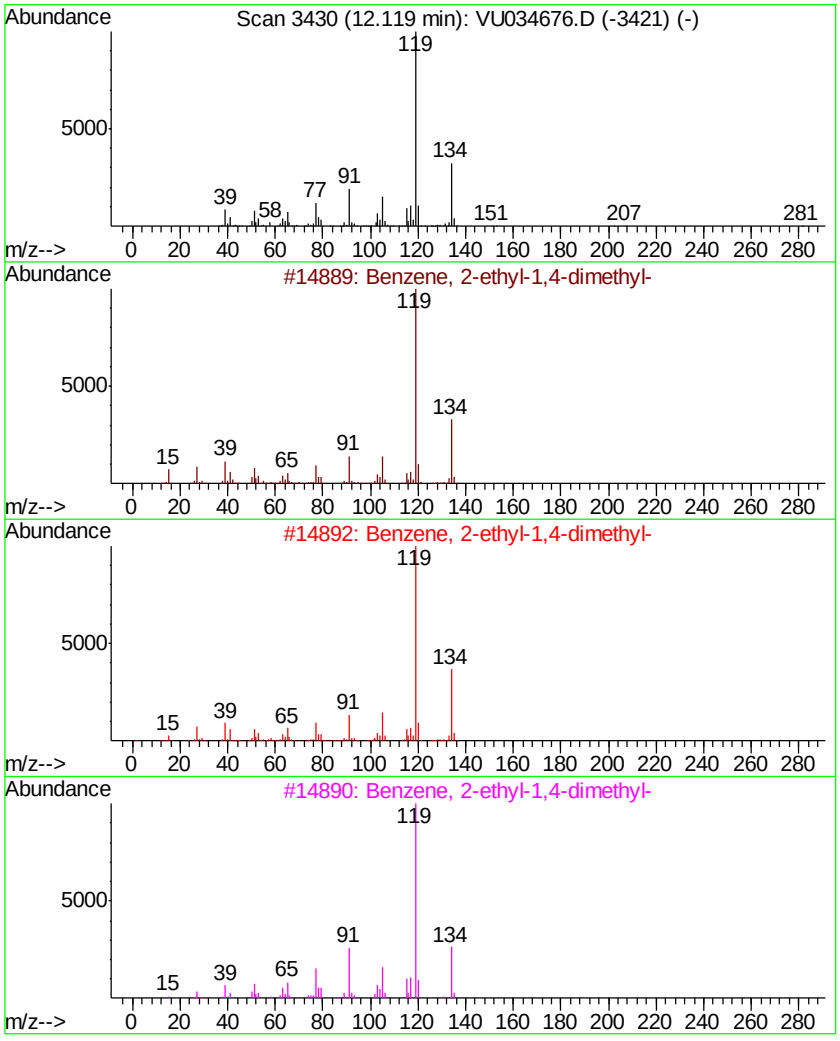

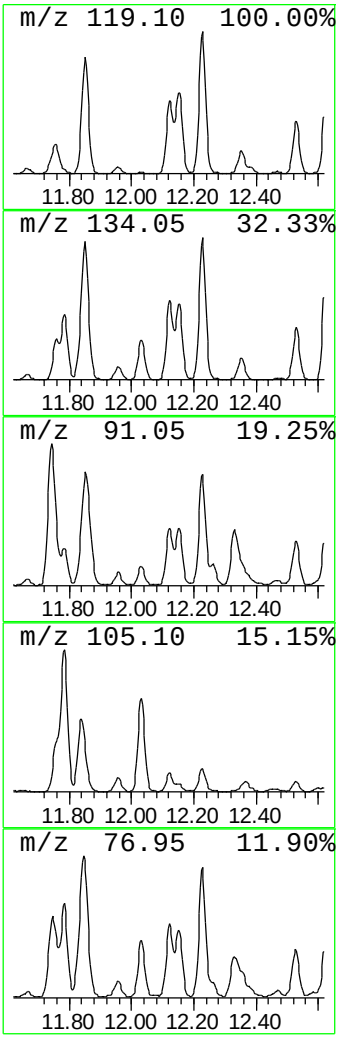

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Acq On : 20 Sep 2019 02:53
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Sample : K4895-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF6

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

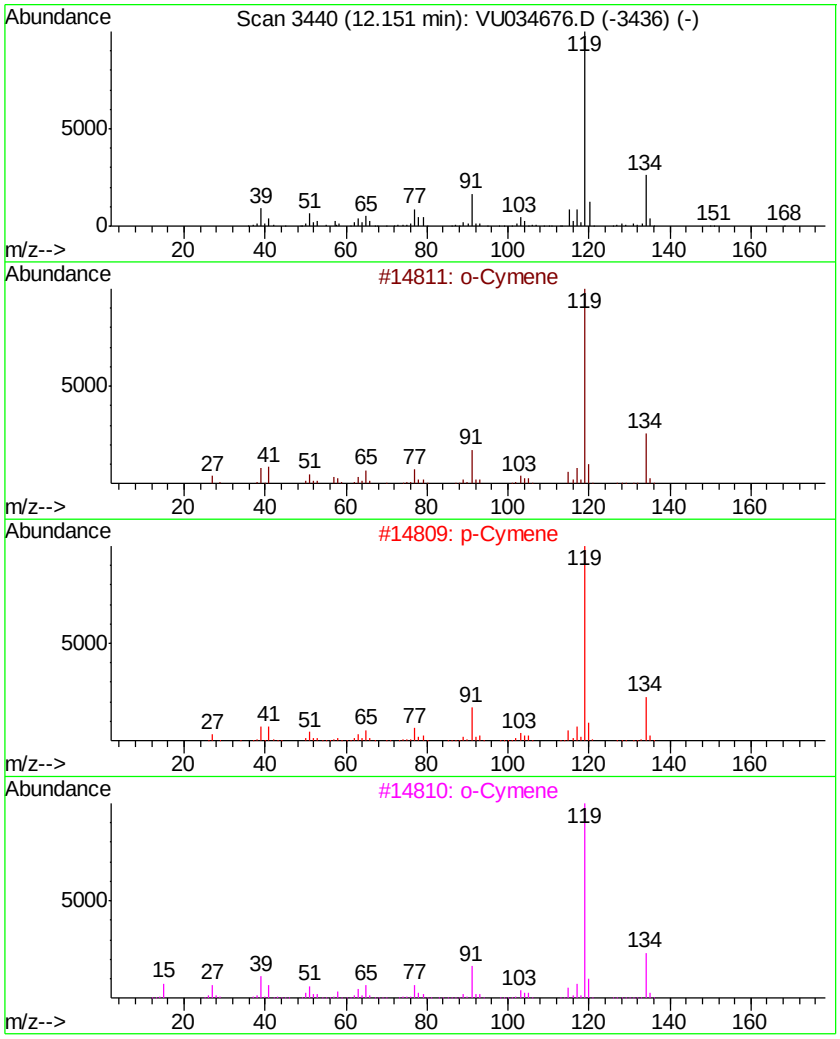
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

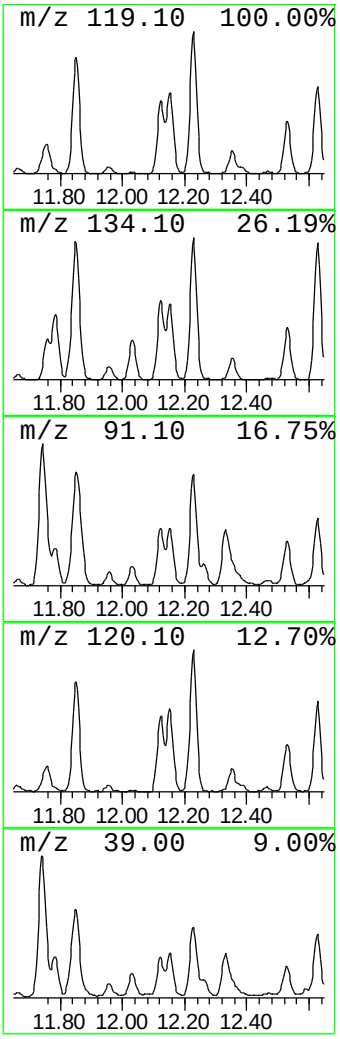
****

Peak Number 21 o-Cymene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	20.12 ug/L	763709	1,4-Dichlorobenzene-d4	11.46

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





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Data File : VU034676.D
Acq On : 20 Sep 2019 02:53
Operator : JC/SP
Sample : K4895-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF6

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

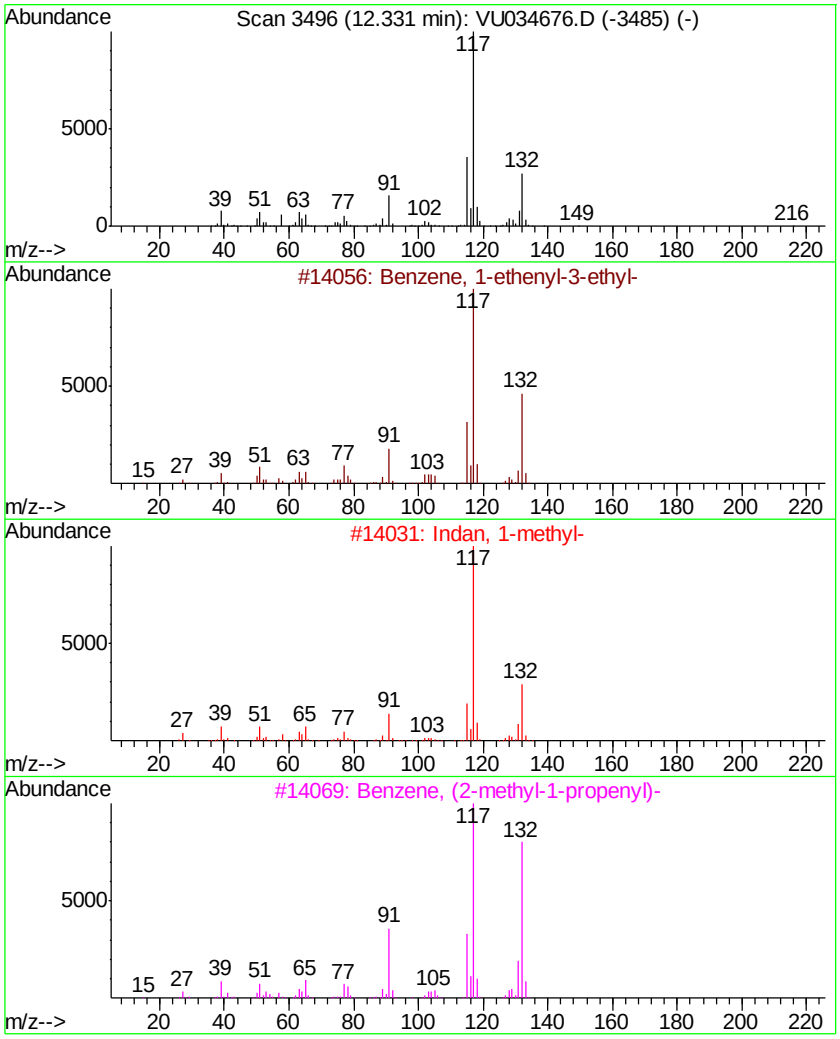
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

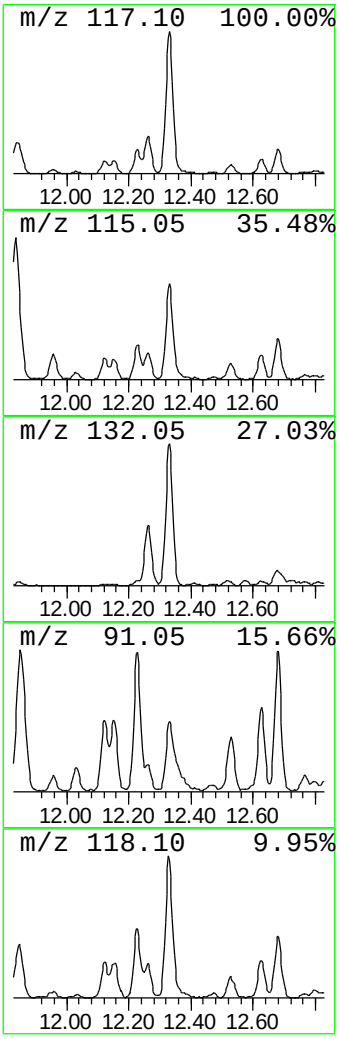
****

Peak Number 23 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	36.91 ug/L	1400990	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	91
2	Indan, 1-methyl-	132	C10H12	000767-58-8	90
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	87
4	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	83
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	83





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Data File : VU034676.D
Acq On : 20 Sep 2019 02:53
Operator : JC/SP
Sample : K4895-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF6

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

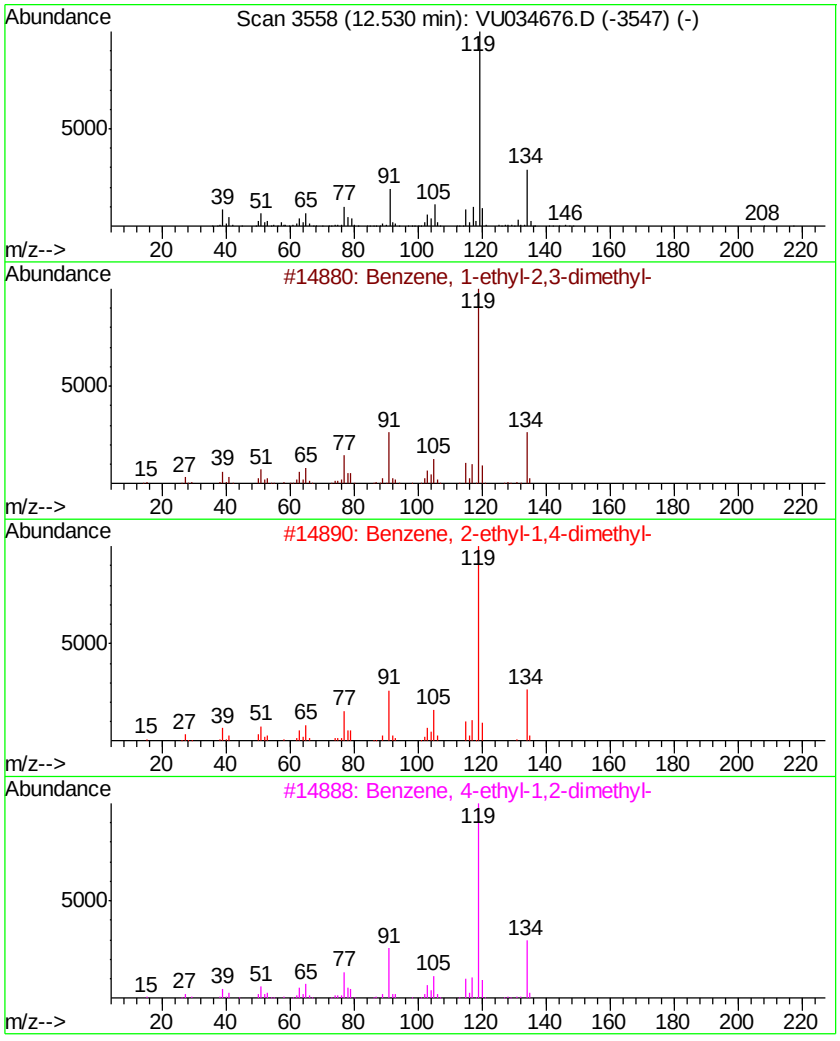
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

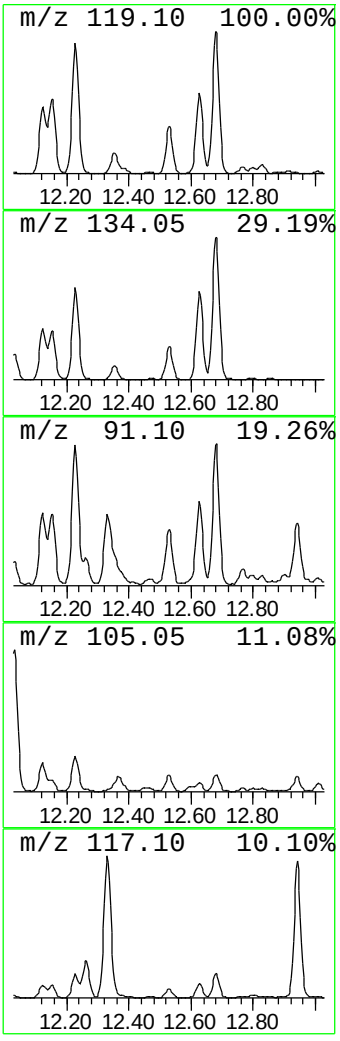
****

Peak Number 24 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	15.97 ug/L	606337	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
4	o-Cymene	134	C10H14	000527-84-4	95
5	p-Cymene	134	C10H14	000099-87-6	95





Library Search Compound Report

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Sample : K4895-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF6

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

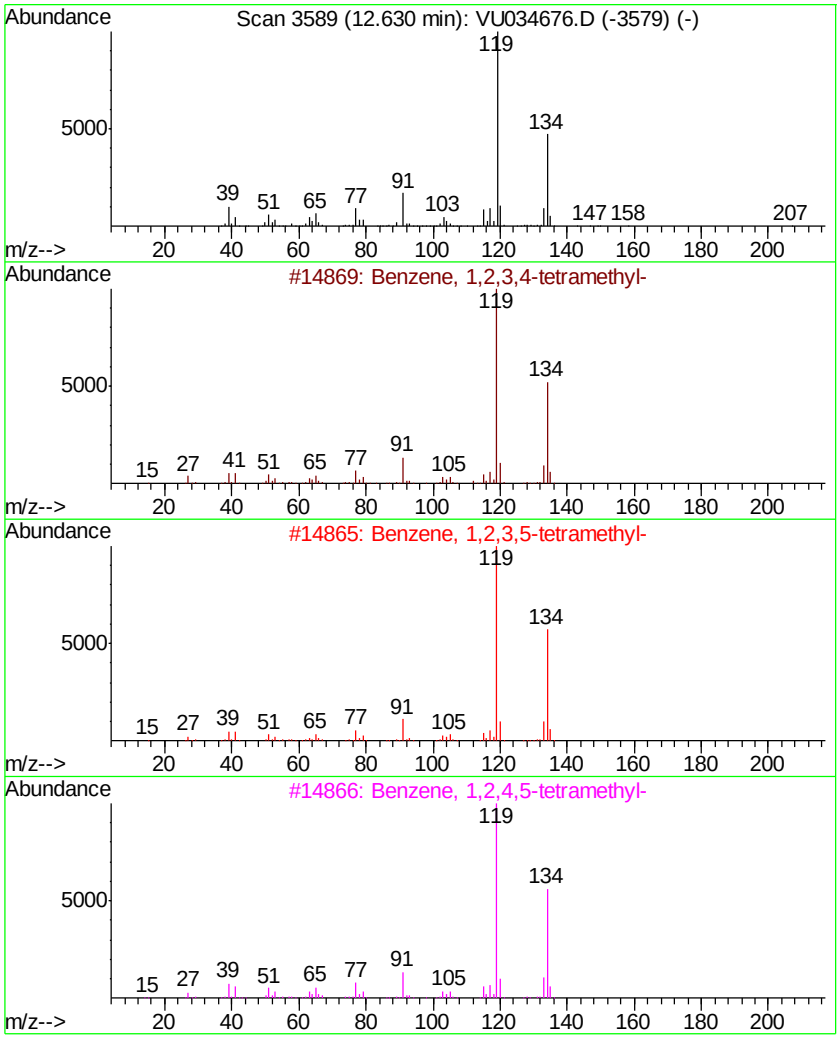
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

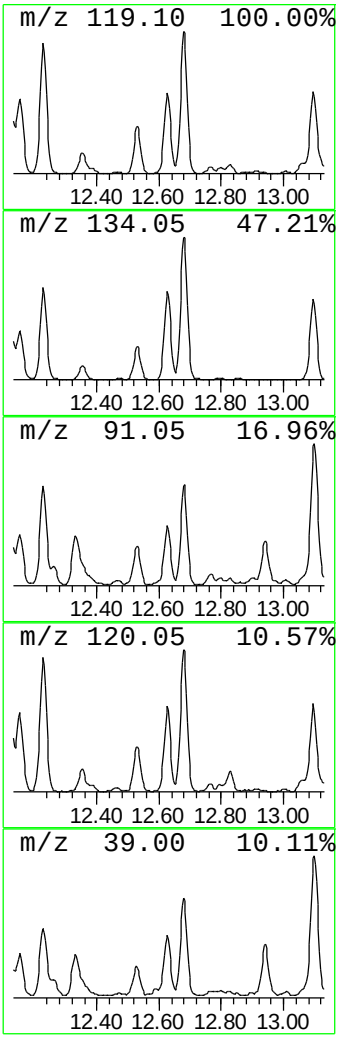
****

Peak Number 25 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	23.21 ug/L	881136	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	95
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95





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Acq On : 20 Sep 2019 02:53
Operator : JC/SP
Sample : K4895-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF6

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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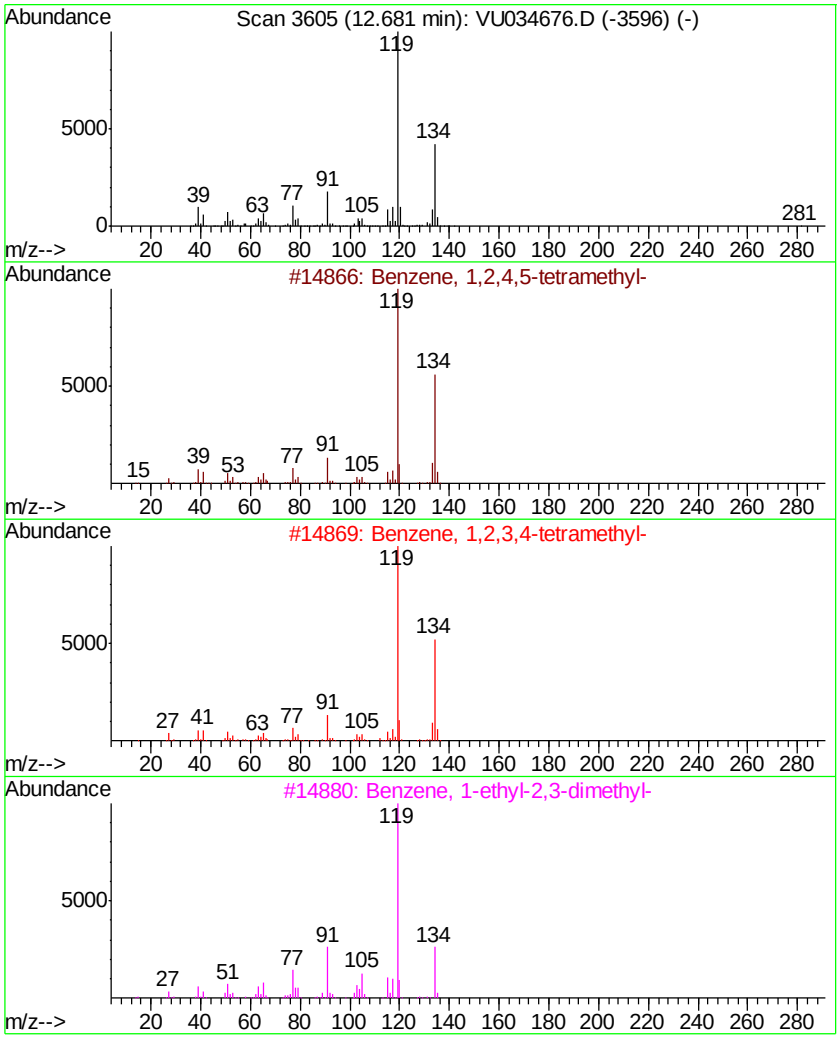
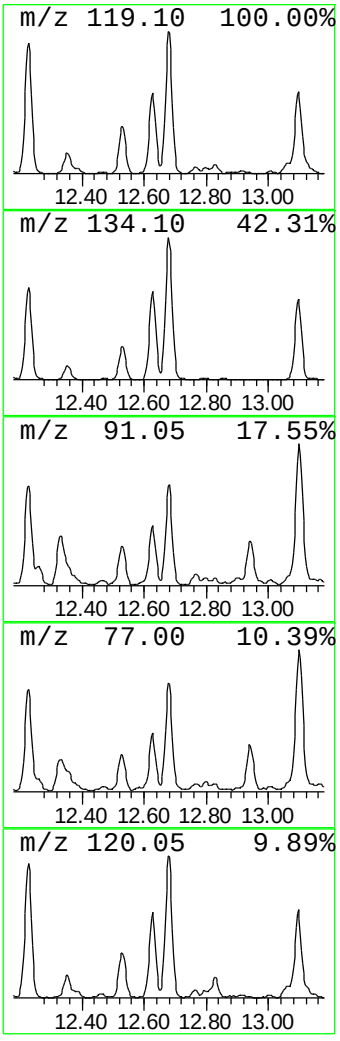
Peak Number 26 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.68	47.10 ug/L	1787930	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, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
5	o-Cymene	134	C10H14	000527-84-4	95





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Acq On : 20 Sep 2019 02:53
Operator : JC/SP
Sample : K4895-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF6

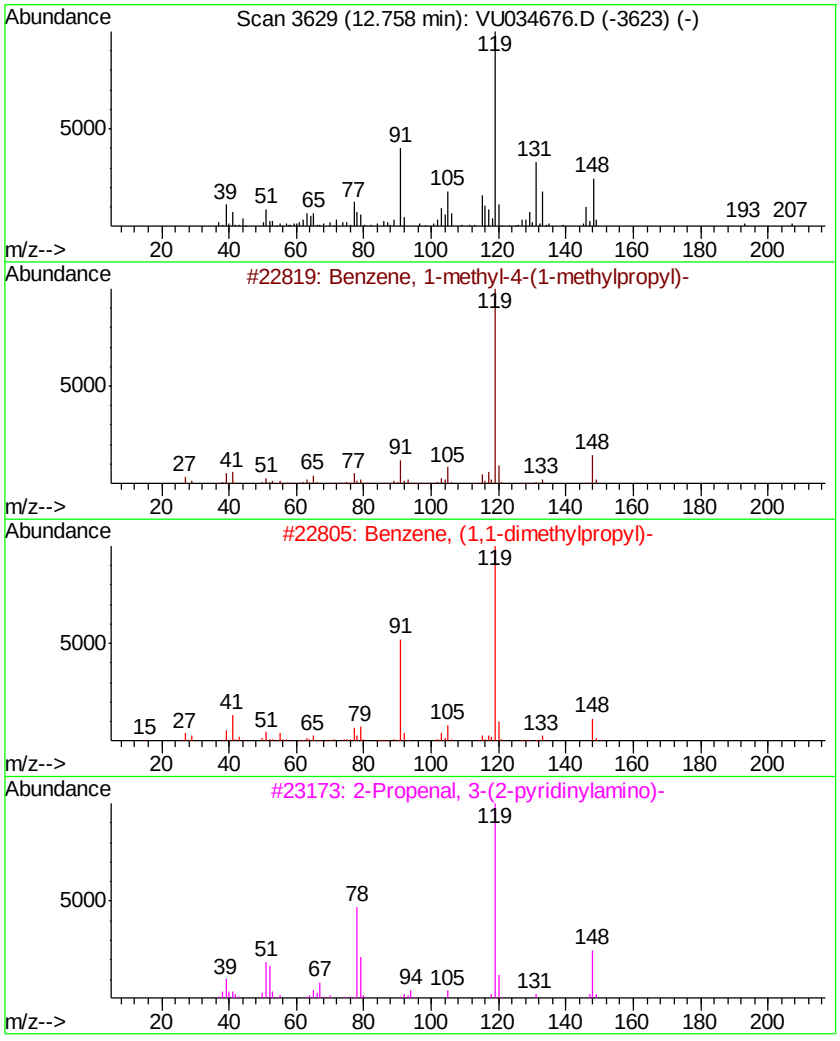
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

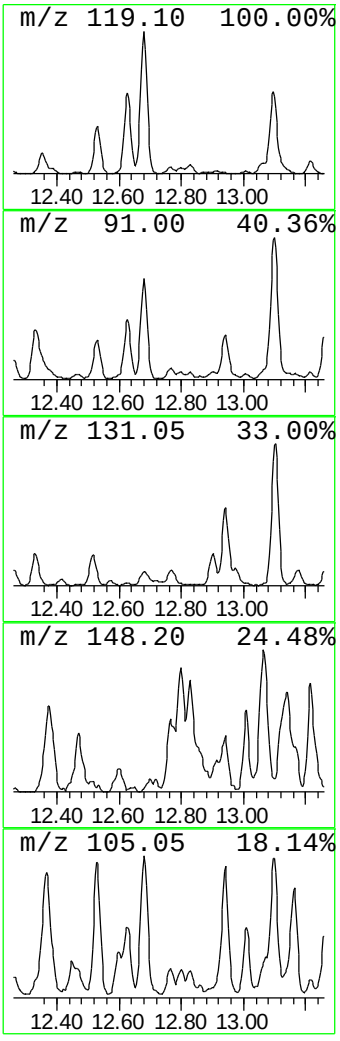
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 Benzene, 1-methyl-4-(1-meth... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	3.23 ug/L	122440	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	60
2	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	46
3	2-Propenal, 3-(2-pyridinylamino)-	148	C8H8N2O	068970-82-1	43
4	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	41
5	2-Ethyl-2-methyl-1,3-dithiolane	148	C6H12S2	006008-81-7	38





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Acq On : 20 Sep 2019 02:53
Operator : JC/SP
Sample : K4895-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF6

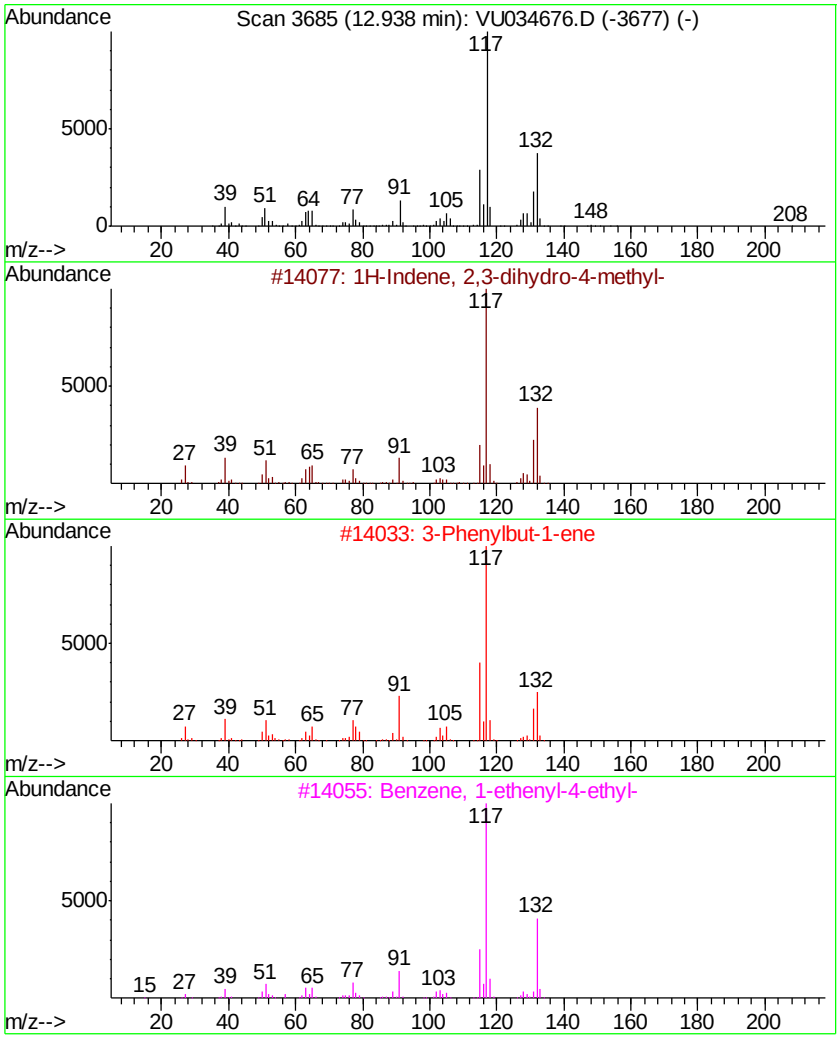
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

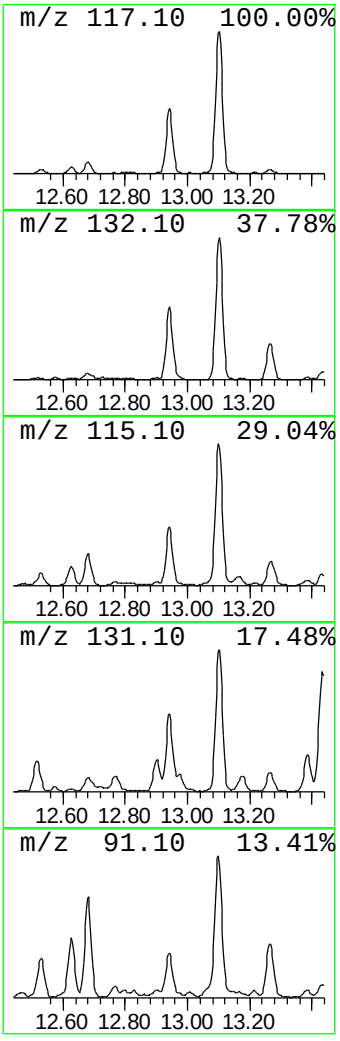
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	28.23 ug/L	1071430	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	95
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	94
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	93
4	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	92
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	91





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Operator : JC/SP
Sample : K4895-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF6

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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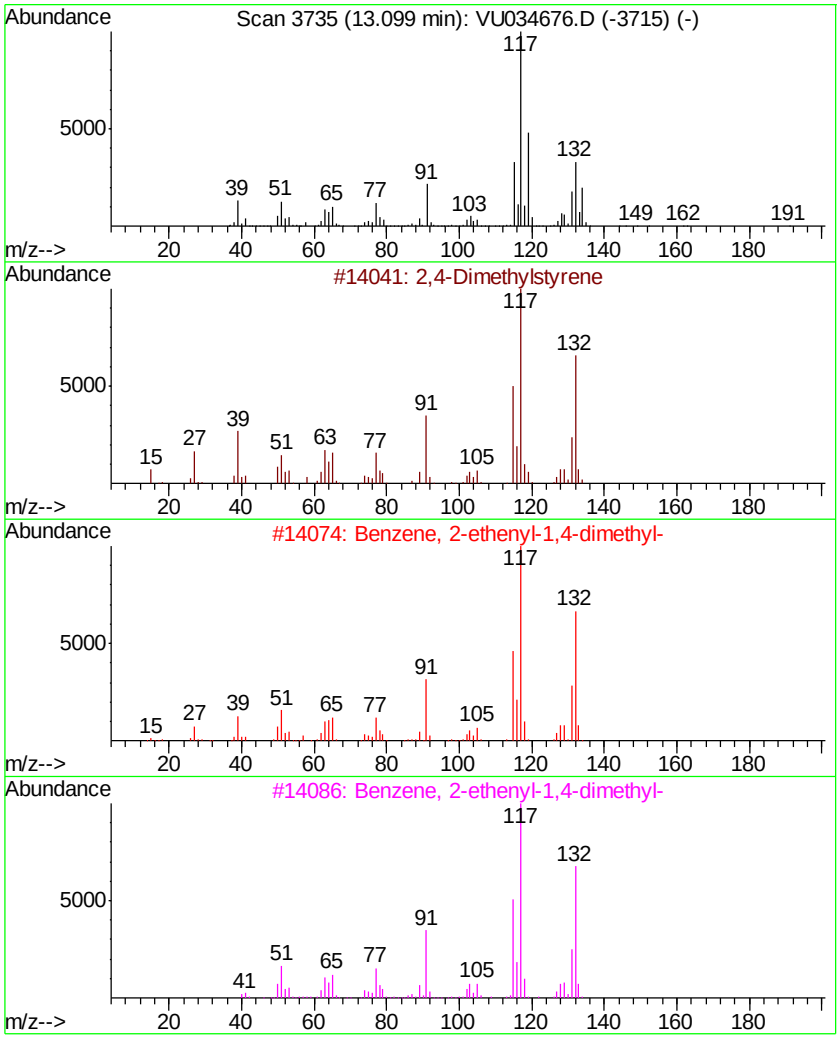
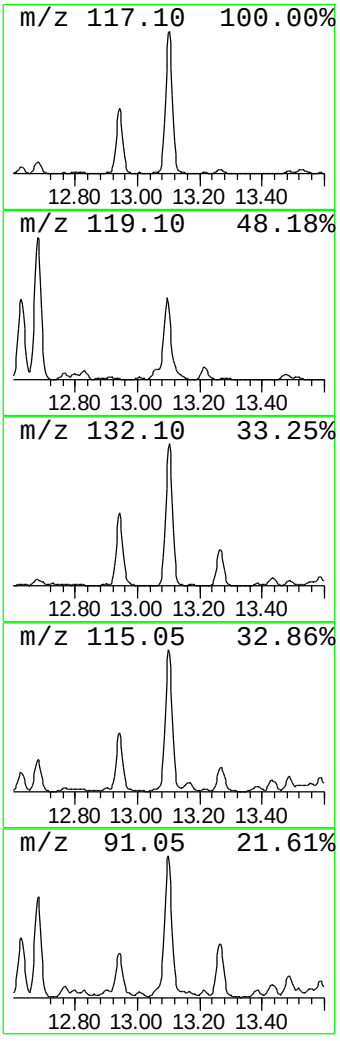
Peak Number 29 2,4-Dimethylstyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	90.88 ug/L	3449340	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	87
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	87
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	70
5	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	70





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Operator : JC/SP
Sample : K4895-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF6

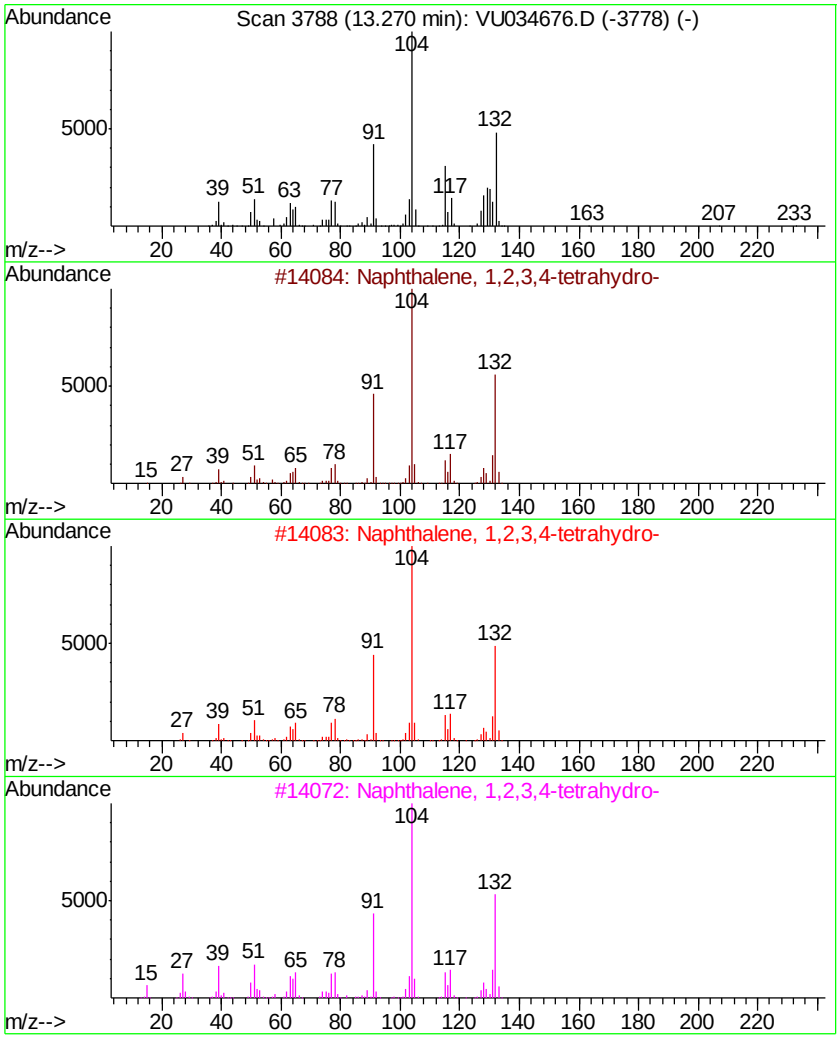
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

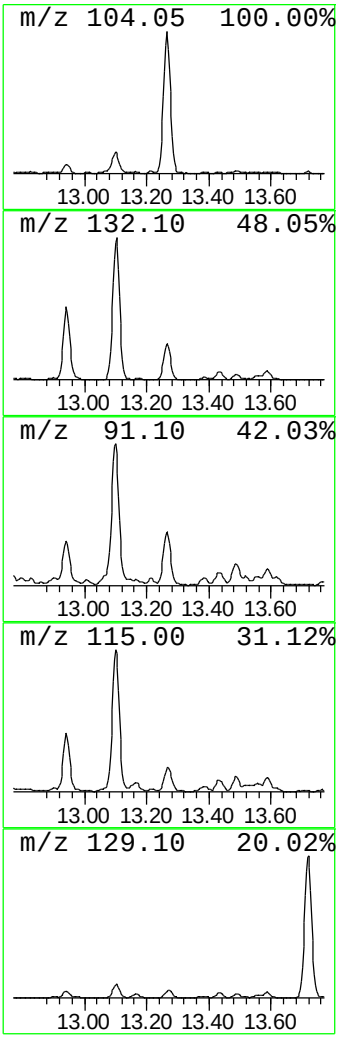
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 30 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	18.39 ug/L	697951	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	90
2	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	90
3	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	90
4	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	89
5	2H-Inden-2-one, 1,3-dihydro-	132	C9H8O	000615-13-4	49





Library Search Compound Report

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Data File : VU034676.D
Acq On : 20 Sep 2019 02:53
Operator : JC/SP
Sample : K4895-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF6

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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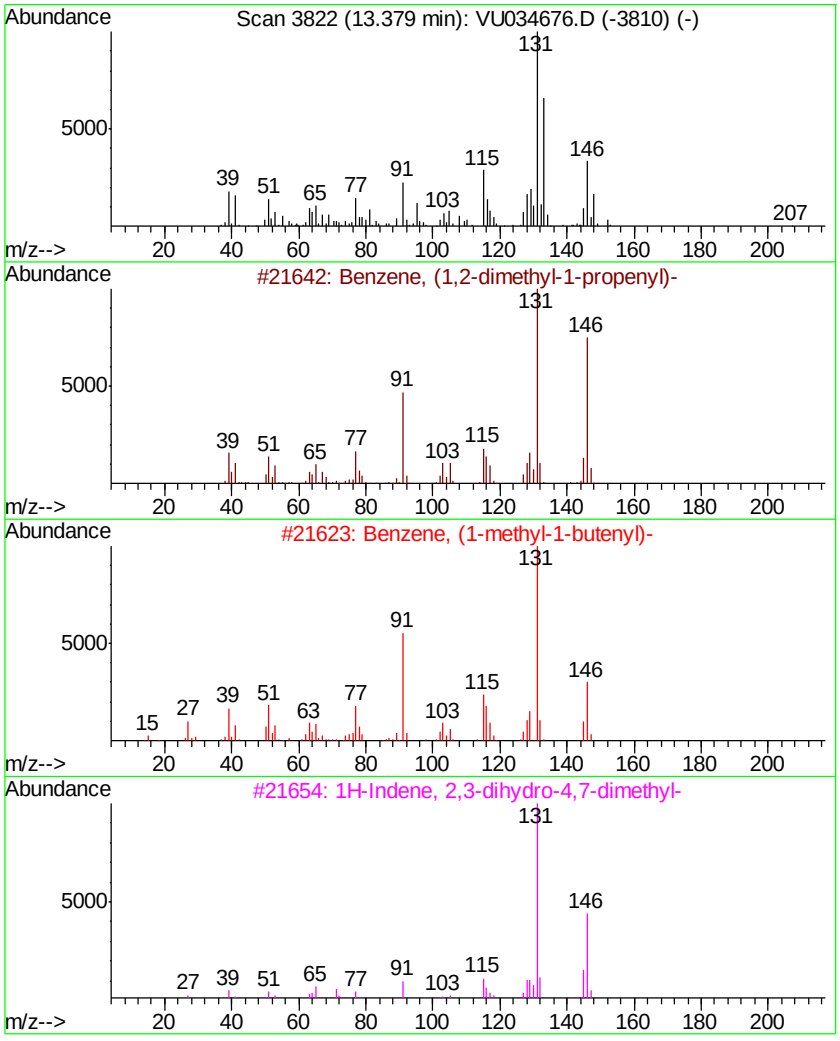
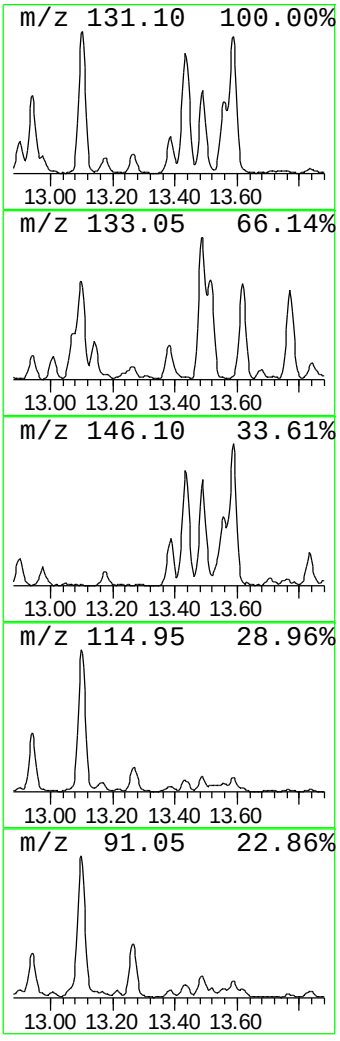
Peak Number 31 Benzene, (1,2-dimethyl-1-pr... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	5.31 ug/L	201683	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	94
2	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	93
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	93
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	86
5	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	70





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Acq On : 20 Sep 2019 02:53
Operator : JC/SP
Sample : K4895-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF6

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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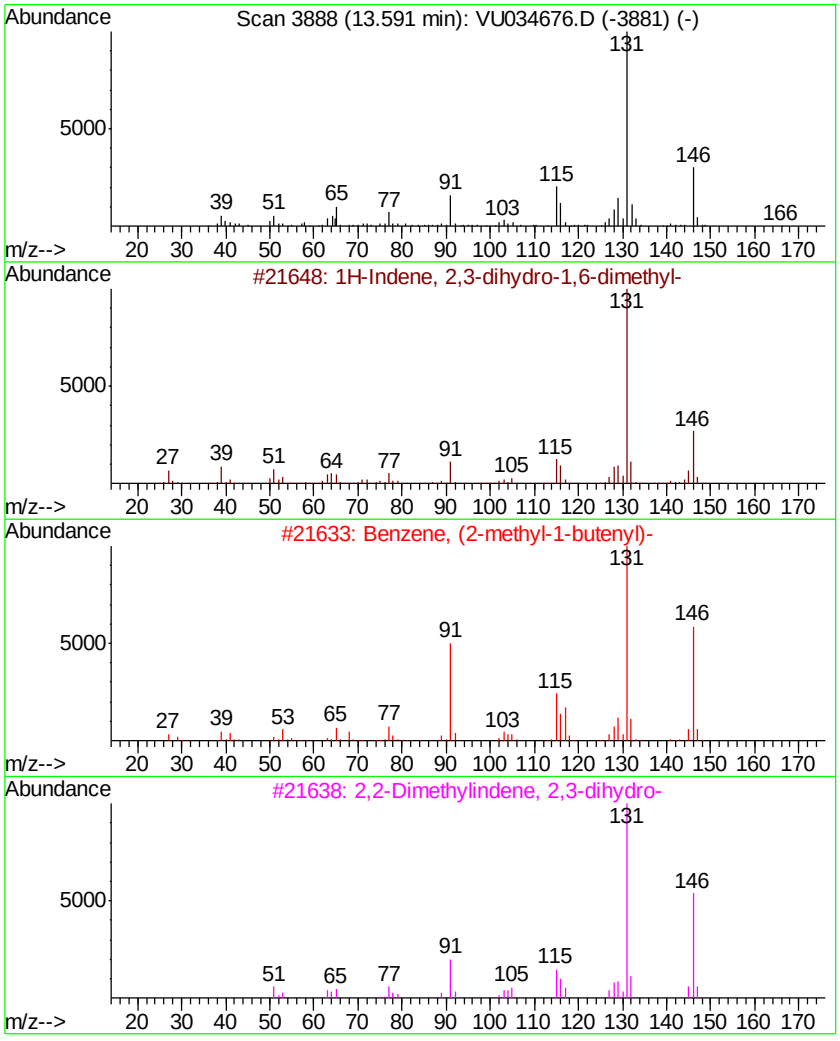
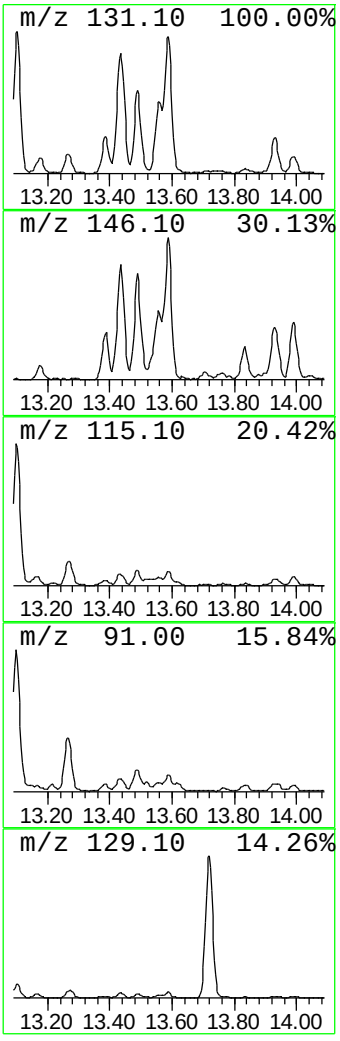
Peak Number 32 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.59	4.79 ug/L	181760	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	94
2	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	94
3	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	91
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	91
5	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	91





Library Search Compound Report

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Data File : VU034676.D
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Operator : JC/SP
Sample : K4895-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF6

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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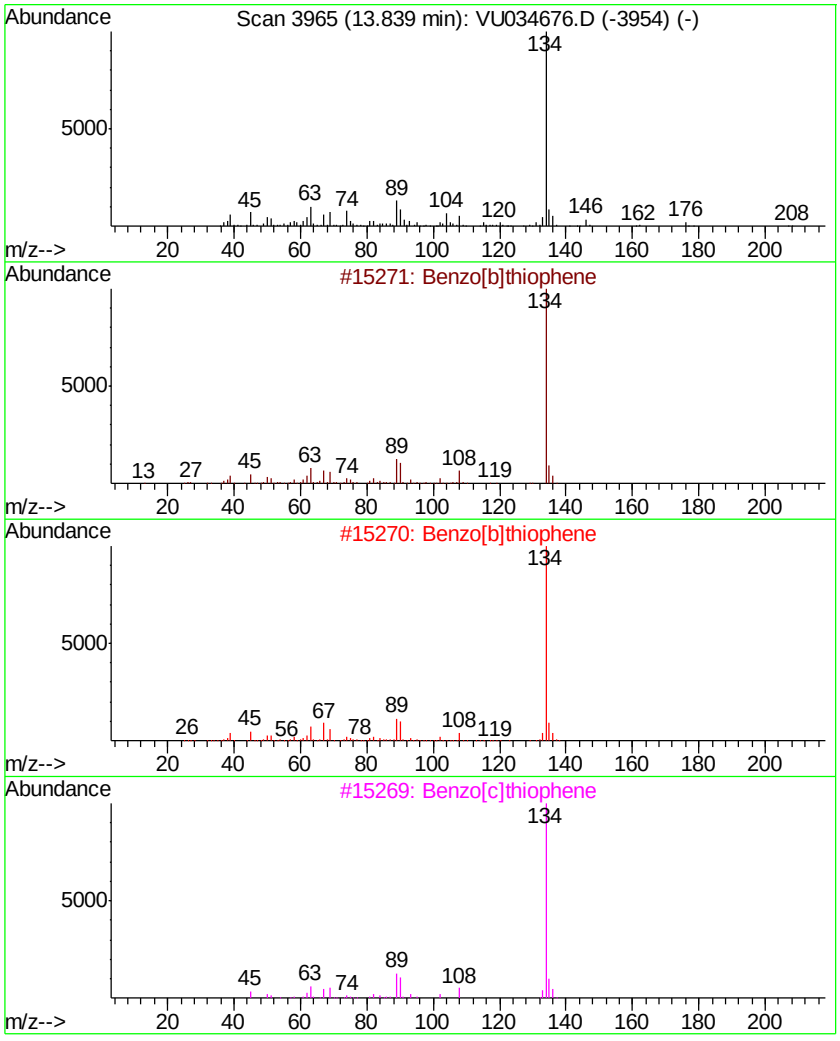
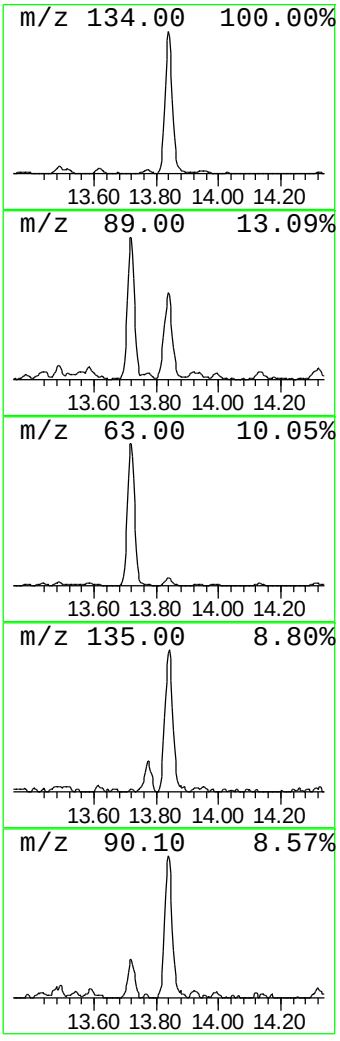
Peak Number 34 Benzo[b]thiophene Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.84	15.33 ug/L	581915	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	Benzo[b]thiophene	134	C8H6S	000095-15-8	93
3	Benzo[c]thiophene	134	C8H6S	000270-82-6	91
4	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	87
5	Benzo[b]thiophene	134	C8H6S	000095-15-8	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU091919\
Data File : VU034676.D
Acq On : 20 Sep 2019 02:53
Operator : JC/SP
Sample : K4895-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF6

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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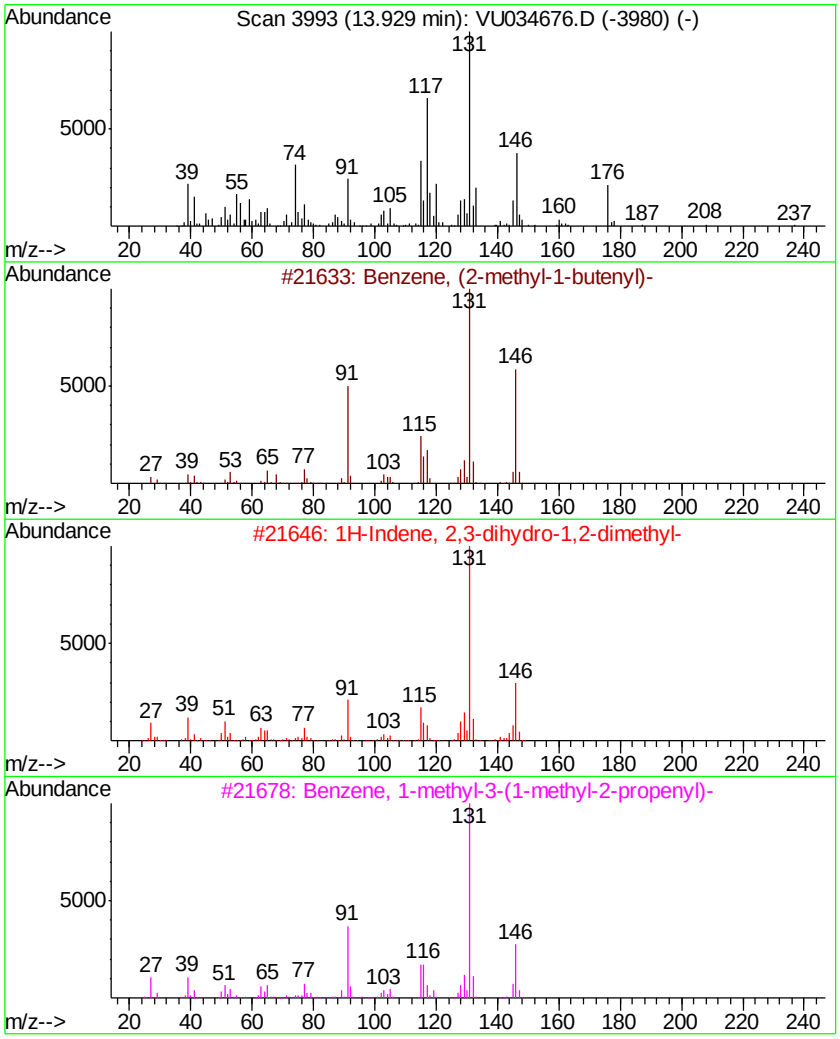
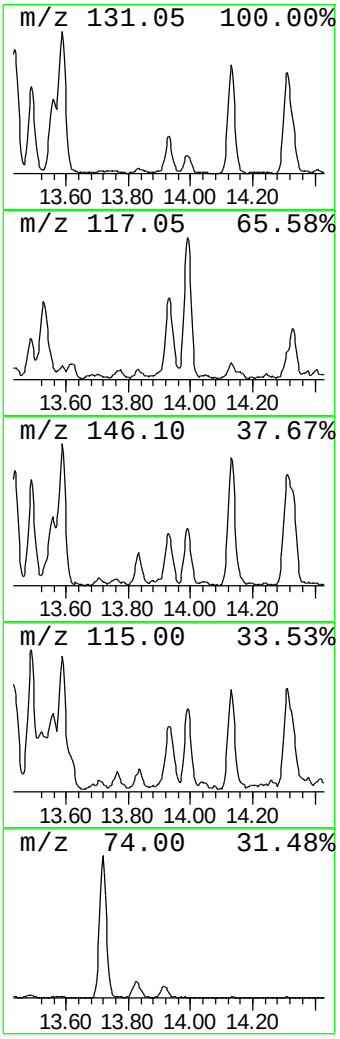
Peak Number 35 Benzene, (2-methyl-1-butenyl)- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.93	9.60 ug/L	364429	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	90
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	64
3	Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	64
4	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	64
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	60





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091919\
Data File : VU034676.D
Acq On : 20 Sep 2019 02:53
Operator : JC/SP
Sample : K4895-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF6

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
Cyclopentene, 4-m...	4.76	4.7	ug/L	119616	1	5.86	1267330	50.0
Isopropyl acetate	5.53	10.6	ug/L	268988	1	5.86	1267330	50.0
n-Propyl acetate	6.68	127.4	ug/L	3230040	1	5.86	1267330	50.0
Cyclopropane, 1-m...	7.04	6.4	ug/L	163313	1	5.86	1267330	50.0
Propanoic acid, 1...	7.40	23.4	ug/L	591812	1	5.86	1267330	50.0
Propanoic acid, 2...	8.13	16.4	ug/L	571223	2	9.07	1745900	50.0
Propanoic acid, p...	8.40	30.8	ug/L	1075560	2	9.07	1745900	50.0
Butanoic acid, 1-...	8.88	33.5	ug/L	1169490	2	9.07	1745900	50.0
Benzene, propyl-	10.57	12.7	ug/L	483726	3	11.46	1897850	50.0
Benzene, 1-ethyl-...	10.66	148.4	ug/L	5633690	3	11.46	1897850	50.0
Benzene, 1,2,3-tr...	10.75	78.4	ug/L	2976370	3	11.46	1897850	50.0
Benzene, 2-propenyl-	11.74	72.2	ug/L	2740980	3	11.46	1897850	50.0
Benzene, 1-methyl...	11.78	18.2	ug/L	690871	3	11.46	1897850	50.0
Benzene, 1,4-diet...	11.96	6.4	ug/L	243551	3	11.46	1897850	50.0
Benzene, 1-methyl...	12.03	11.9	ug/L	452238	3	11.46	1897850	50.0
Benzene, 2-ethyl-...	12.12	22.3	ug/L	845168	3	11.46	1897850	50.0
o-Cymene	12.15	20.1	ug/L	763709	3	11.46	1897850	50.0
Benzene, 1-etheny...	12.33	36.9	ug/L	1400990	3	11.46	1897850	50.0
Benzene, 1-ethyl-...	12.53	16.0	ug/L	606337	3	11.46	1897850	50.0
Benzene, 1,2,3,4-...	12.63	23.2	ug/L	881136	3	11.46	1897850	50.0
Benzene, 1,2,4,5-...	12.68	47.1	ug/L	1787930	3	11.46	1897850	50.0
Benzene, 1-methyl...	12.76	3.2	ug/L	122440	3	11.46	1897850	50.0
1H-Indene, 2,3-di...	12.94	28.2	ug/L	1071430	3	11.46	1897850	50.0
2,4-Dimethylstyrene	13.10	90.9	ug/L	3449340	3	11.46	1897850	50.0
Naphthalene, 1,2,...	13.27	18.4	ug/L	697951	3	11.46	1897850	50.0
Benzene, (1,2-dim...	13.38	5.3	ug/L	201683	3	11.46	1897850	50.0
1H-Indene, 2,3-di...	13.59	4.8	ug/L	181760	3	11.46	1897850	50.0
Benzo[b]thiophene	13.84	15.3	ug/L	581915	3	11.46	1897850	50.0
Benzene, (2-methy...	13.93	9.6	ug/L	364429	3	11.46	1897850	50.0