LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091919\
Data File : VU034673.D
Acq On : 20 Sep 2019 01:43
Operator : JC/SP
Sample : K4895-15
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.177	22	27	34	rVB2	15655	14356	0.57%	0.036%
2	1.392	85	94	107	rBV	359771	397100	15.79%	0.988%
3	1.466	111	117	126	rVB	52360	58446	2.32%	0.145%
4	1.540	131	140	152	rVV3	36983	57605	2.29%	0.143%
5	1.672	174	181	195	rVB	284239	354832	14.11%	0.883%
6	1.749	200	205	211	rVB3	18310	21601	0.86%	0.054%
7	2.260	353	364	372	rBV	502087	767229	30.51%	1.908%
8	2.305	372	378	389	rVB	127724	203262	8.08%	0.506%
9	2.424	408	415	422	rBV3	6560	11359	0.45%	0.028%
10	2.611	464	473	482	rBV3	6878	12416	0.49%	0.031%
11	2.685	482	496	504	rBV4	17227	32480	1.29%	0.081%
12	2.977	576	587	596	rBV4	6574	13711	0.55%	0.034%
13	3.170	631	647	662	rBV6	8861	24538	0.98%	0.061%
14	3.546	752	764	779	rVB8	9298	24613	0.98%	0.061%
15	4.067	914	926	940	rBV5	14939	39256	1.56%	0.098%
16	4.151	940	952	973	rBV	226066	595036	23.66%	1.480%
17	4.624	1081	1099	1122	rBV	377032	904593	35.97%	2.250%
18	4.755	1134	1140	1153	rVB6	10005	18630	0.74%	0.046%
19	4.971	1195	1207	1223	rVB8	14191	36181	1.44%	0.090%
20	5.315	1291	1314	1325	rBV2	786069	2346415	93.31%	5.836%
21	5.530	1367	1381	1399	rBV	82290	168967	6.72%	0.420%
22	5.865	1469	1485	1511	rBV	658858	1326889	52.76%	3.300%
23	6.308	1608	1623	1640	rBV	539690	1094856	43.54%	2.723%
24	6.398	1644	1651	1674	rVB5	28832	73539	2.92%	0.183%
25	6.562	1694	1702	1705	rBV2	16168	22166	0.88%	0.055%
26	6.685	1727	1740	1769	rBV	1368585	2514739	100.00%	6.255%
27	7.045	1843	1852	1862	rVB4	10865	18951	0.75%	0.047%
28	7.205	1885	1902	1923	rBV2	311955	580420	23.08%	1.444%
29	7.398	1951	1962	1974	rBV	237775	420542	16.72%	1.046%
30	7.543	1993	2007	2020	rBV	1061919	1879161	74.73%	4.674%
31	7.614	2020	2029	2046	rVB	495480	867964	34.52%	2.159%
32	7.829	2084	2096	2118	rBV2	252643	460261	18.30%	1.145%
33	8.135	2180	2191	2207	rVV	424810	703079	27.96%	1.749%
34	8.218	2207	2217	2219	rVV	26554	43173	1.72%	0.107%

LSC Area Percent Report

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Operator : JC/SP
Sample : K4895-15
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG1

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	8.241	2219	2224	2229	rVV2	52156	76268	3.03%	0.190%
36	8.289	2229	2239	2261	rVV	907463	1655145	65.82%	4.117%
37	8.395	2262	2272	2300	rVV	599604	1037187	41.24%	2.580%
38	8.514	2301	2309	2321	rVB3	19163	37317	1.48%	0.093%
39	8.884	2412	2424	2447	rVV	834885	1339996	53.29%	3.333%
40	9.067	2456	2481	2520	rBV2	1007121	2106534	83.77%	5.240%
41	9.228	2520	2531	2548	rVV	343498	551701	21.94%	1.372%
42	9.350	2555	2569	2586	rBV	1047800	1755962	69.83%	4.368%
43	9.475	2602	2608	2618	rVB	12298	19492	0.78%	0.048%
44	9.588	2636	2643	2654	rBV	21022	34363	1.37%	0.085%
45	9.700	2665	2678	2681	rBV	6276	13634	0.54%	0.034%
46	9.755	2684	2695	2722	rVB	649880	1102551	43.84%	2.742%
47	9.929	2735	2749	2762	rBV10	14822	32583	1.30%	0.081%
48	10.022	2770	2778	2787	rBV10	15434	27446	1.09%	0.068%
49	10.144	2805	2816	2828	rVV	166850	261045	10.38%	0.649%
50	10.302	2855	2865	2874	rBV	9105	17579	0.70%	0.044%
51	10.408	2886	2898	2914	rBV	716062	1155262	45.94%	2.874%
52	10.565	2936	2947	2963	rBV	254684	421328	16.75%	1.048%
53	10.659	2966	2976	2994	rVB	230006	489287	19.46%	1.217%
54	10.749	2994	3004	3015	rBV	152529	232028	9.23%	0.577%
55	10.897	3039	3050	3056	rBV3	24519	42574	1.69%	0.106%
56	10.948	3056	3066	3089	rVB	206716	348172	13.85%	0.866%
57	11.073	3089	3105	3107	rBV10	16465	33043	1.31%	0.082%
58	11.125	3111	3121	3140	rVB	594014	923428	36.72%	2.297%
59	11.221	3146	3151	3157	rBV4	7925	9105	0.36%	0.023%
60	11.270	3157	3166	3169	rVV2	21855	30728	1.22%	0.076%
61	11.299	3170	3175	3190	rVB2	54743	88868	3.53%	0.221%
62	11.401	3192	3207	3214	rBV8	36745	79032	3.14%	0.197%
63	11.459	3214	3225	3243	rVV	1002024	1674741	66.60%	4.166%
64	11.546	3243	3252	3265	rVB	251728	393645	15.65%	0.979%
65	11.665	3279	3289	3299	rVB3	26563	46351	1.84%	0.115%
66	11.742	3301	3313	3332	rBV2	471017	885233	35.20%	2.202%
67	11.835	3332	3342	3369	rVB	1066170	2007193	79.82%	4.993%
68	11.958	3371	3380	3389	rBV5	41822	66725	2.65%	0.166%
69	12.032	3397	3403	3415	rVB	30617	51386	2.04%	0.128%
70	12.122	3421	3431	3437	rBV4	62491	107004	4.26%	0.266%
71	12.228	3453	3464	3472	rBV	215773	339005	13.48%	0.843%

LSC Area Percent Report

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Operator : JC/SP
Sample : K4895-15
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG1

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	12.331	3487	3496	3517	rVB2	130004	291279	11.58%	0.725%
73	12.469	3535	3539	3545	rBV8	7454	8293	0.33%	0.021%
74	12.527	3548	3557	3568	rVB3	35494	63289	2.52%	0.157%
75	12.594	3569	3578	3581	rBV2	32692	48602	1.93%	0.121%
76	12.626	3581	3588	3597	rVV	151259	239163	9.51%	0.595%
77	12.681	3597	3605	3620	rVB	85780	138505	5.51%	0.345%
78	12.765	3620	3631	3637	rBV5	18110	30961	1.23%	0.077%
79	12.942	3678	3686	3700	rVB	117692	178920	7.11%	0.445%
80	13.099	3718	3735	3748	rBV2	356176	623280	24.79%	1.550%
81	13.215	3765	3771	3778	rBV4	10711	14974	0.60%	0.037%
82	13.266	3778	3787	3803	rVV3	90629	158581	6.31%	0.394%
83	13.379	3813	3822	3831	rVB10	30707	54669	2.17%	0.136%
84	13.433	3831	3839	3847	rBV4	27235	43656	1.74%	0.109%
85	13.488	3848	3856	3863	rBV6	45204	67214	2.67%	0.167%
86	13.556	3873	3877	3880	rBV3	8991	8652	0.34%	0.022%
87	13.588	3883	3887	3893	rVB	16327	19705	0.78%	0.049%
88	13.720	3912	3928	3953	rBV	926626	1608454	63.96%	4.001%
89	13.835	3955	3964	3975	rVB5	26892	59464	2.36%	0.148%
90	13.922	3983	3991	4004	rVB10	30572	57104	2.27%	0.142%
91	14.131	4047	4056	4072	rVB3	28593	53754	2.14%	0.134%
92	14.318	4104	4114	4127	rBV6	29378	69665	2.77%	0.173%
93	14.456	4149	4157	4168	rBV6	15513	30338	1.21%	0.075%
94	14.517	4168	4176	4188	rVB6	25485	47402	1.88%	0.118%
95	14.633	4204	4212	4214	rBV8	7894	10861	0.43%	0.027%
96	14.662	4214	4221	4230	rVB8	12524	22688	0.90%	0.056%
97	14.797	4258	4263	4271	rBV6	6476	10358	0.41%	0.026%
98	14.858	4271	4282	4297	rBV	175225	321363	12.78%	0.799%
99	15.041	4328	4339	4354	rBV	173596	298177	11.86%	0.742%
100	16.041	4644	4650	4657	rBV7	14765	22946	0.91%	0.057%

Sum of corrected areas: 40203624

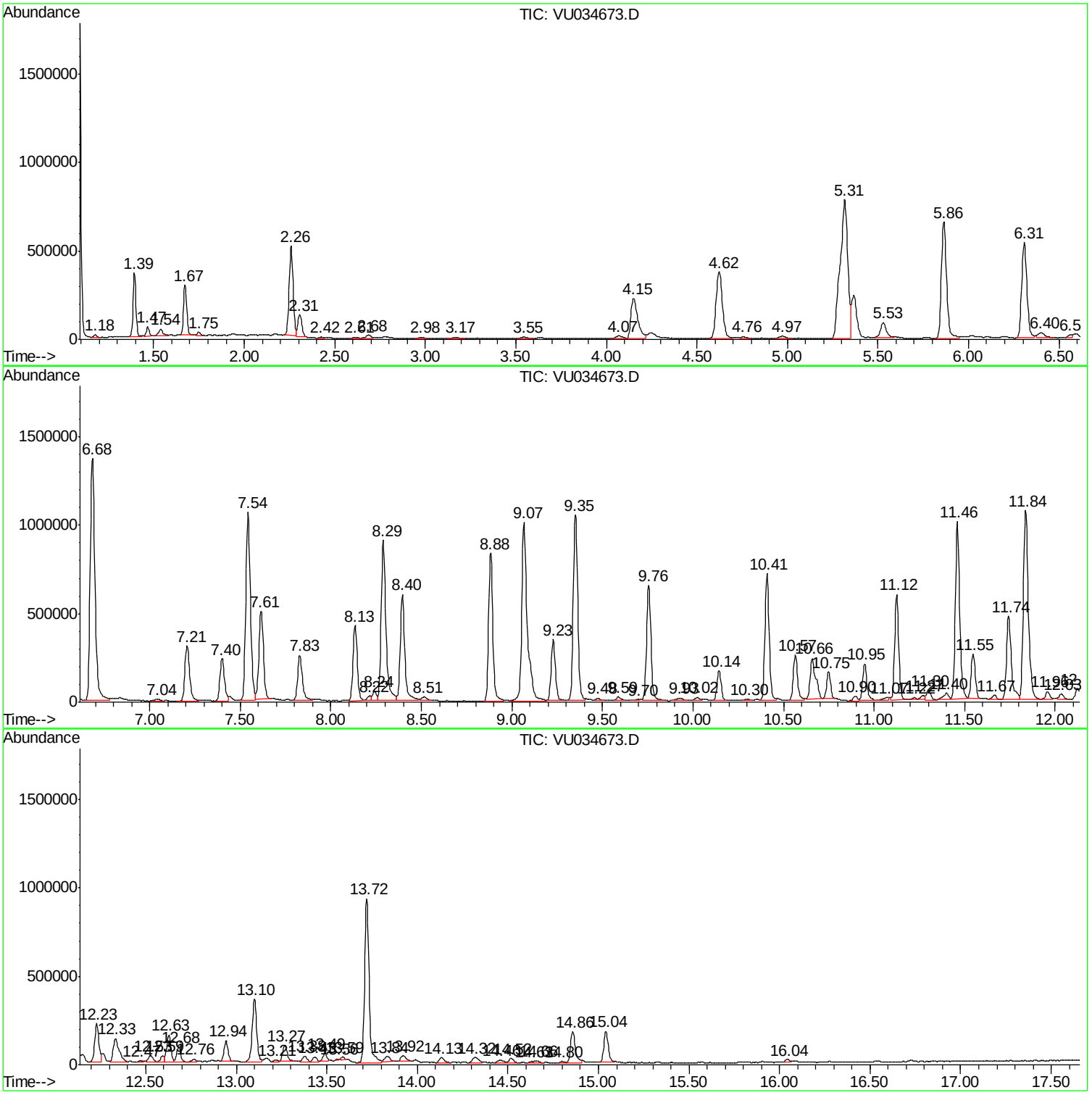
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034673.D
Acq On : 20 Sep 2019 01:43
Operator : JC/SP
Sample : K4895-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG1

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 : VU034673.D
Acq On : 20 Sep 2019 01:43
Operator : JC/SP
Sample : K4895-15
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG1

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

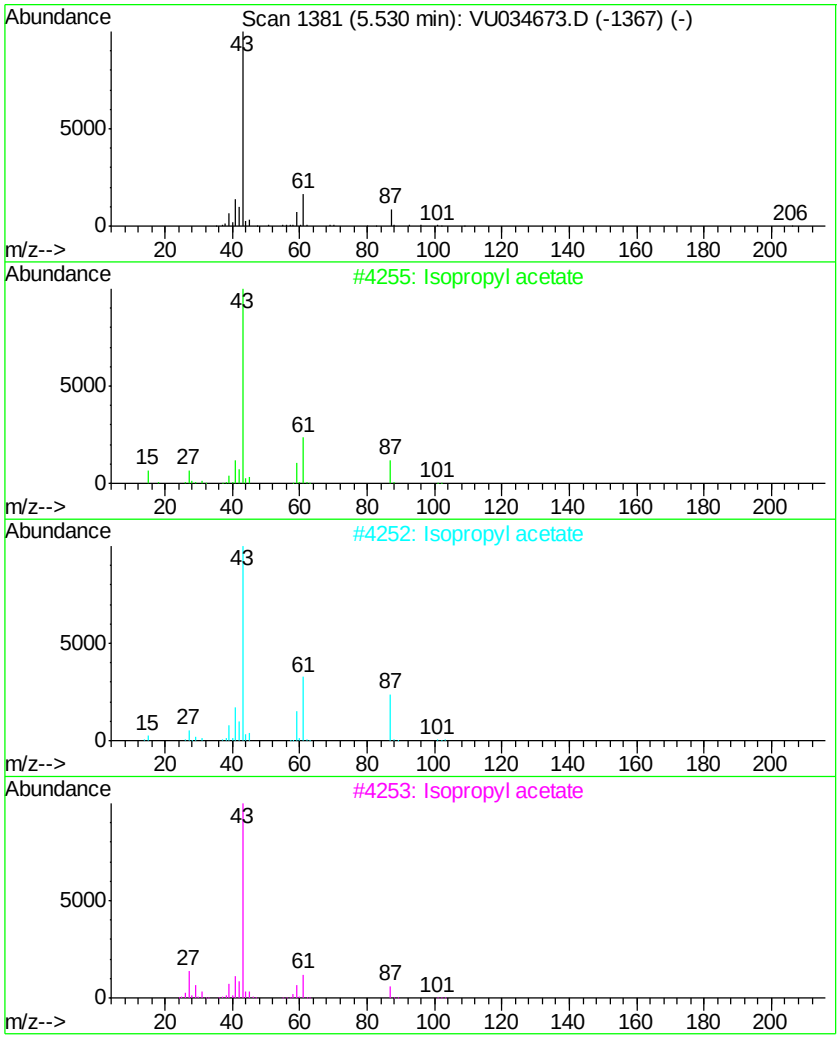
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

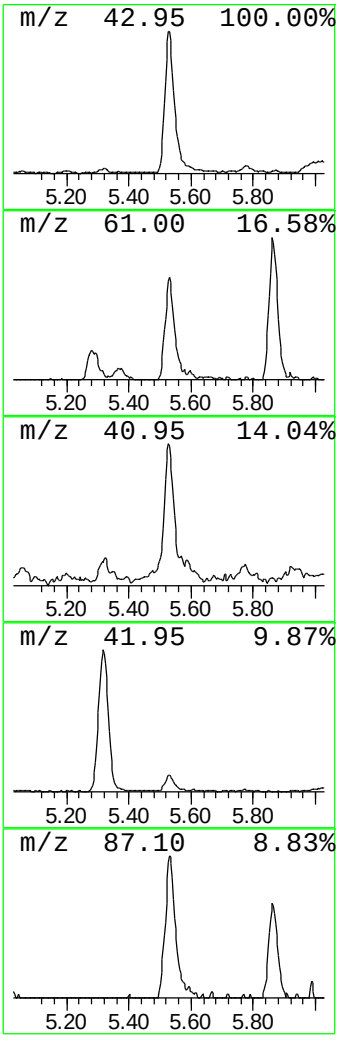
****

Peak Number 1 Isopropyl acetate Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.53	6.37 ug/L	168967	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropyl acetate	102	C5H10O2	000108-21-4	72
2	Isopropyl acetate	102	C5H10O2	000108-21-4	72
3	Isopropyl acetate	102	C5H10O2	000108-21-4	56
4	Isopropyl acetate	102	C5H10O2	000108-21-4	45
5	n-Propyl acetate	102	C5H10O2	000109-60-4	36





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091919\
Data File : VU034673.D
Acq On : 20 Sep 2019 01:43
Operator : JC/SP
Sample : K4895-15
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG1

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

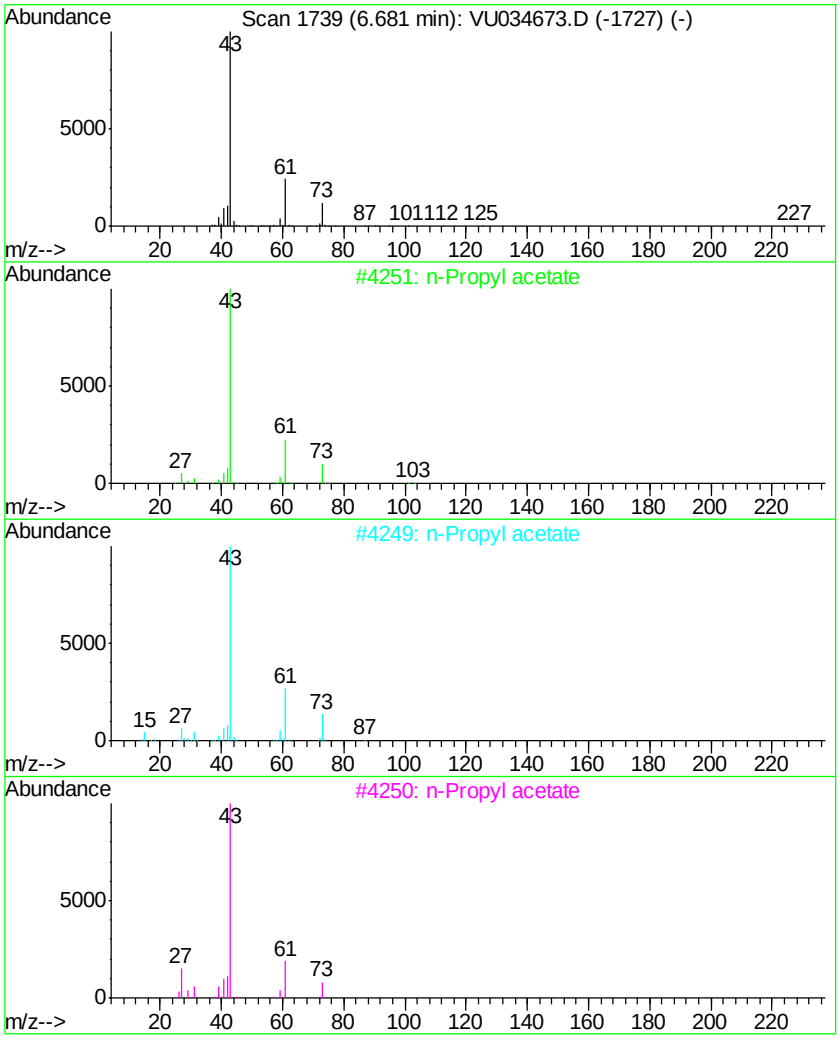
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

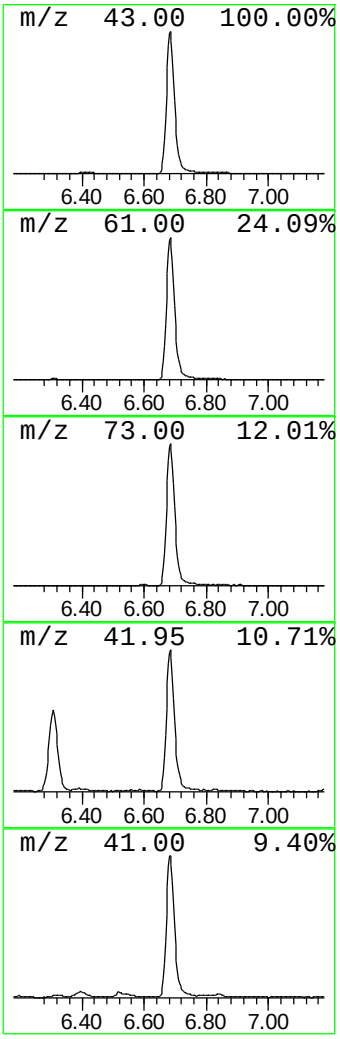
****

Peak Number 2 n-Propyl acetate Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	94.76 ug/L	2514740	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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ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG1

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

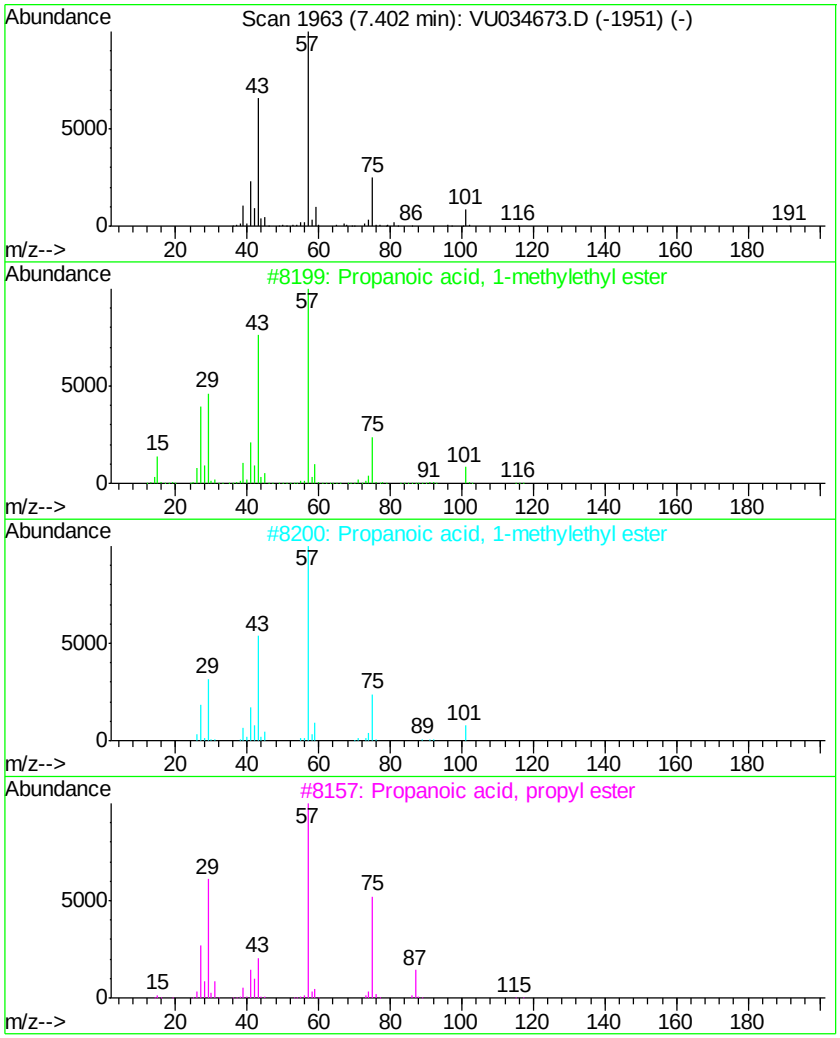
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

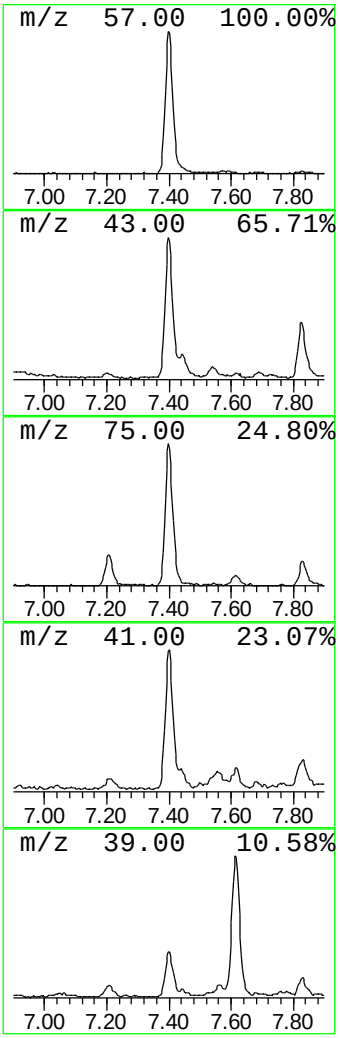
****

Peak Number 4 Propanoic acid, 1-methyleth... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.40	15.85 ug/L	420542	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	83
2	Propanoic acid, 1-methylethyl ester	116	C6H12O2	000637-78-5	83
3	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	50
4	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	50
5	Propanoic acid, 1-methylethyl ester	116	C6H12O2	000637-78-5	50





Library Search Compound Report

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Data File : VU034673.D
Acq On : 20 Sep 2019 01:43
Operator : JC/SP
Sample : K4895-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG1

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

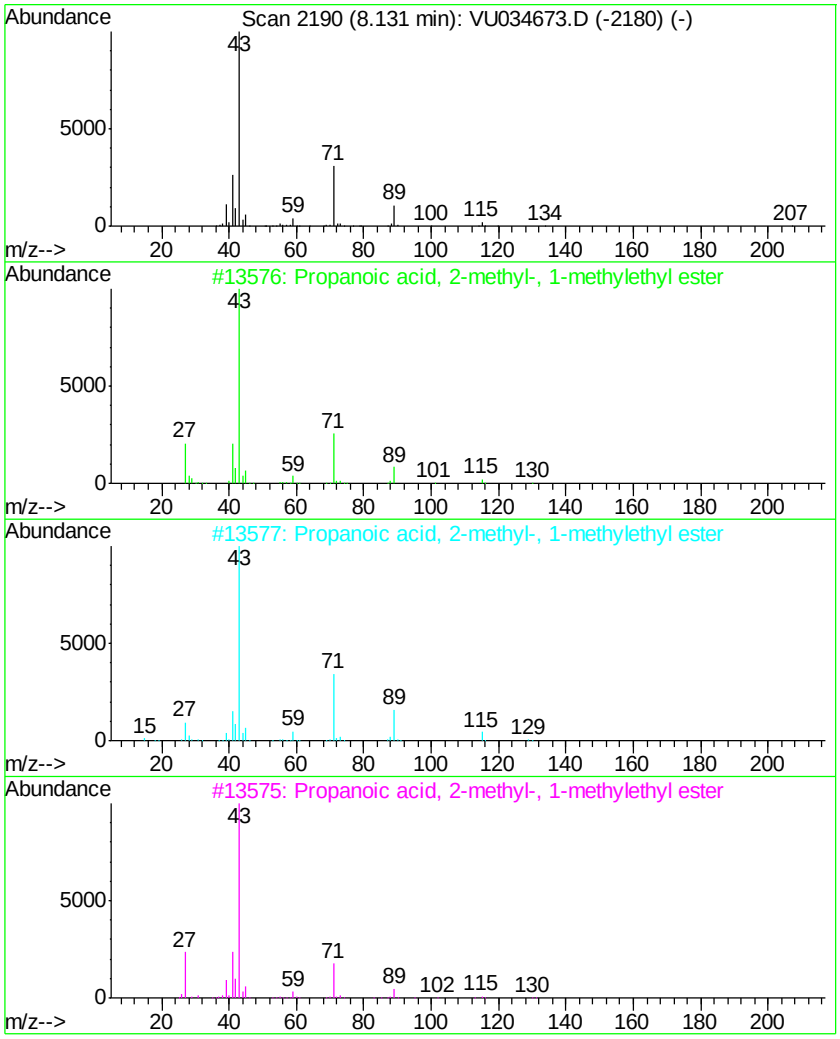
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

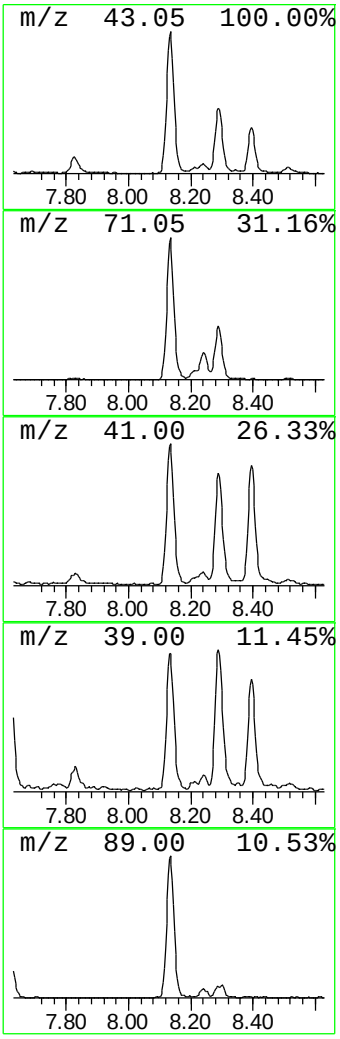
****

Peak Number 5 Propanoic acid, 2-methyl-, ... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.13	16.69 ug/L	703079	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	83
2	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	83
3	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	59
4	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	56
5	3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	42





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091919\
Data File : VU034673.D
Acq On : 20 Sep 2019 01:43
Operator : JC/SP
Sample : K4895-15
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG1

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

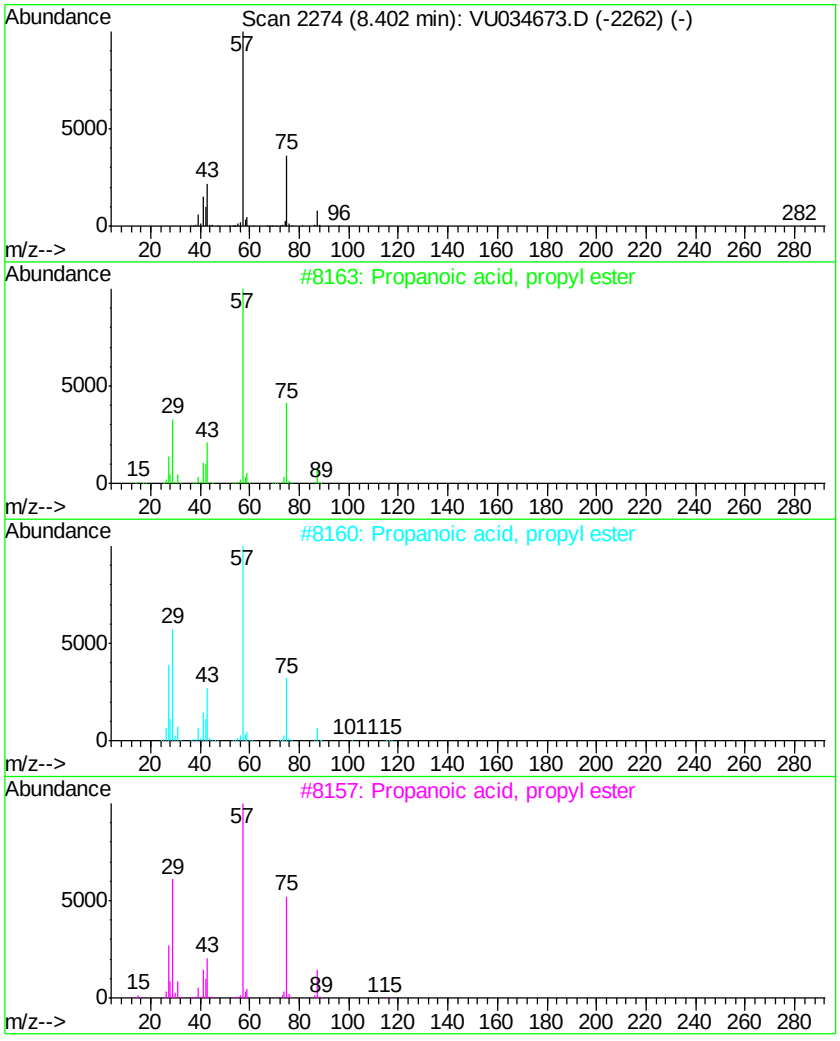
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

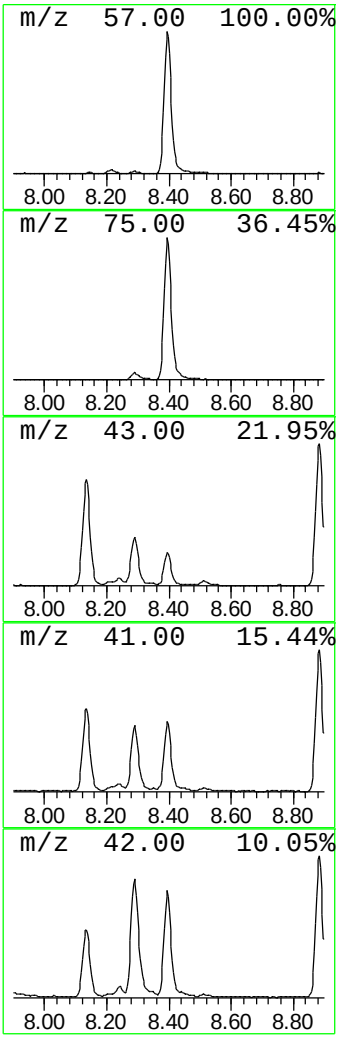
****

Peak Number 6 Propanoic acid, propyl ester Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.40	24.62 ug/L	1037190	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	59
5	Propanoic acid, butyl ester	130	C7H14O2	000590-01-2	33





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Data File : VU034673.D
Acq On : 20 Sep 2019 01:43
Operator : JC/SP
Sample : K4895-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG1

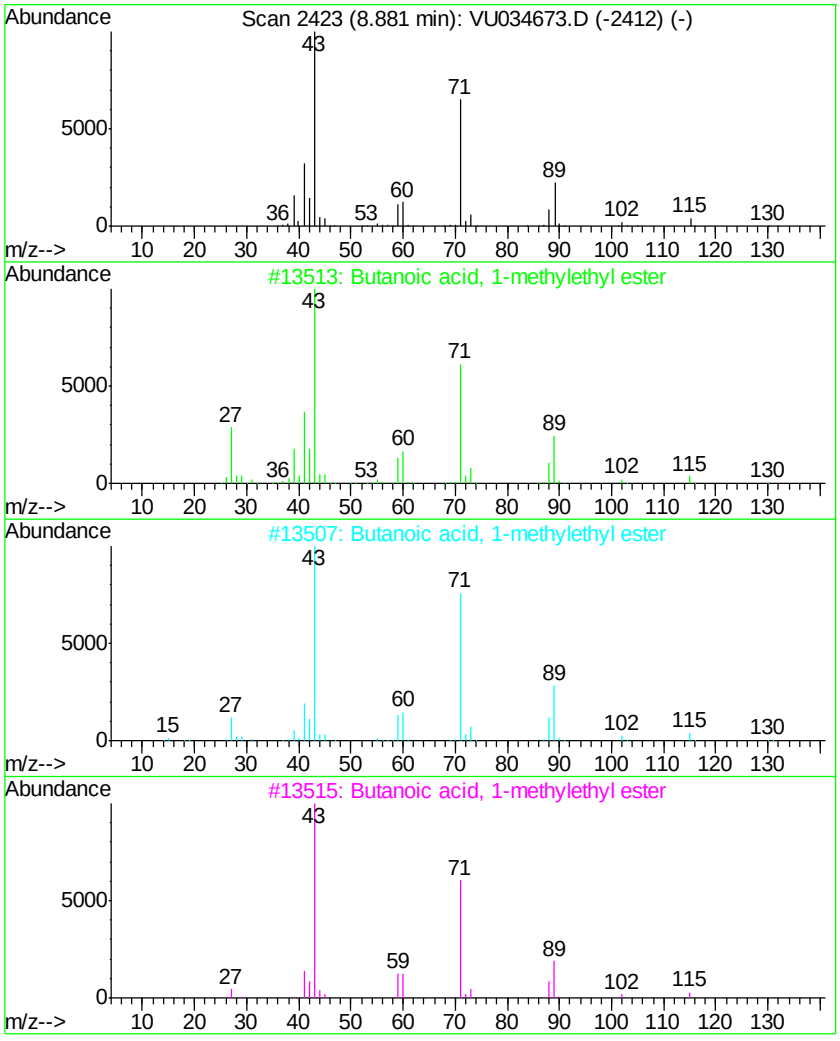
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

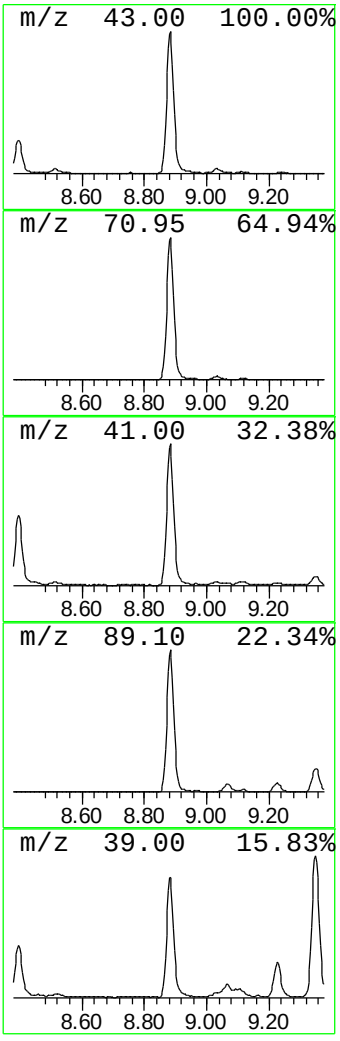
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Butanoic acid, 1-methylethy... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.88	31.81 ug/L	1340000	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	90
4	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	72
5	Propanoic acid, 2-methyl-, propy...	130	C7H14O2	000644-49-5	64





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Data File : VU034673.D
Acq On : 20 Sep 2019 01:43
Operator : JC/SP
Sample : K4895-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG1

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

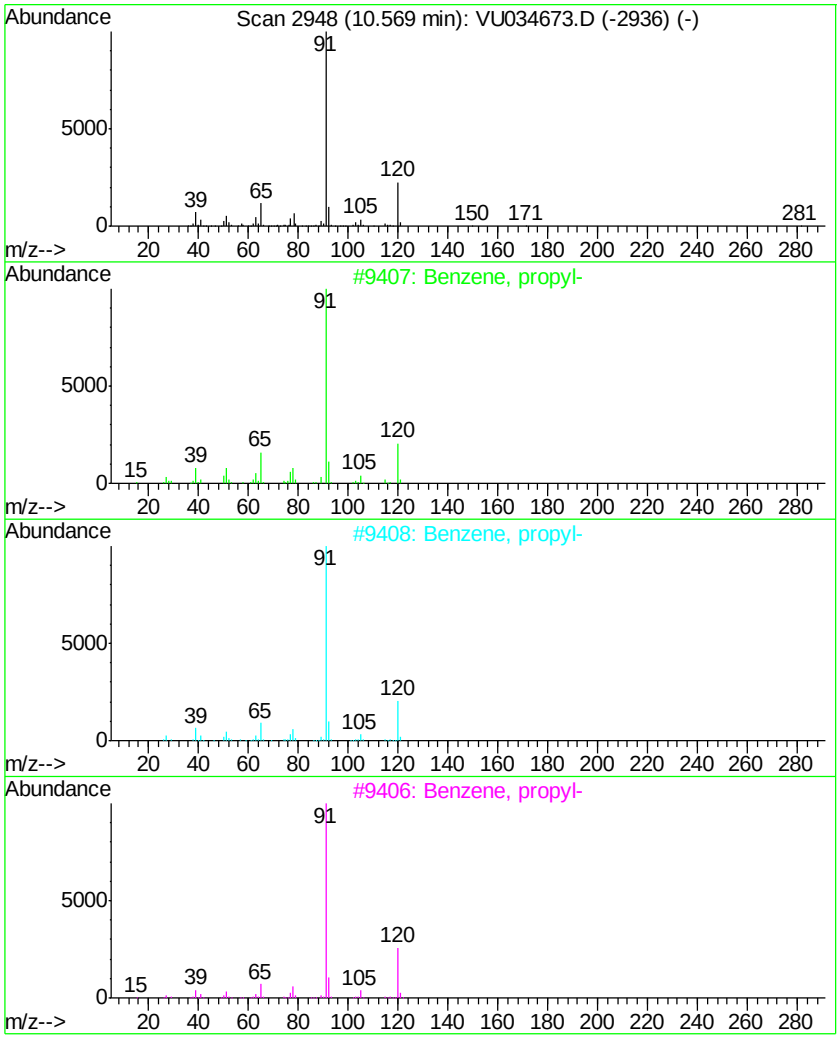
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

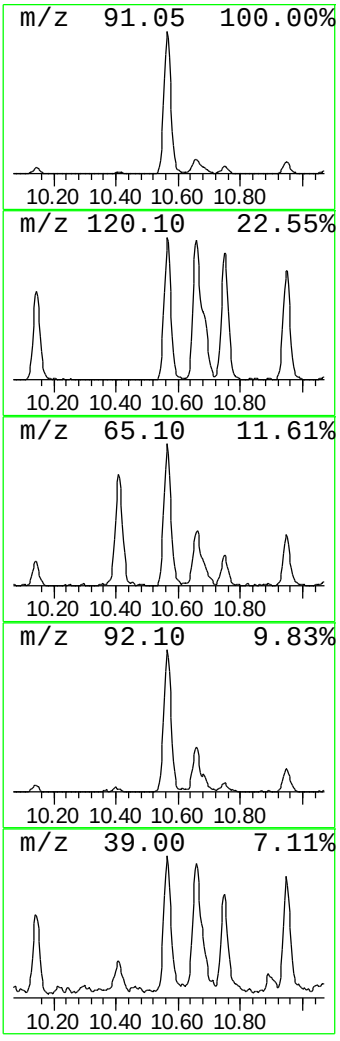
****

Peak Number 8 Benzene, propyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.57	12.58 ug/L	421328	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	Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	72





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Acq On : 20 Sep 2019 01:43
Operator : JC/SP
Sample : K4895-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG1

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

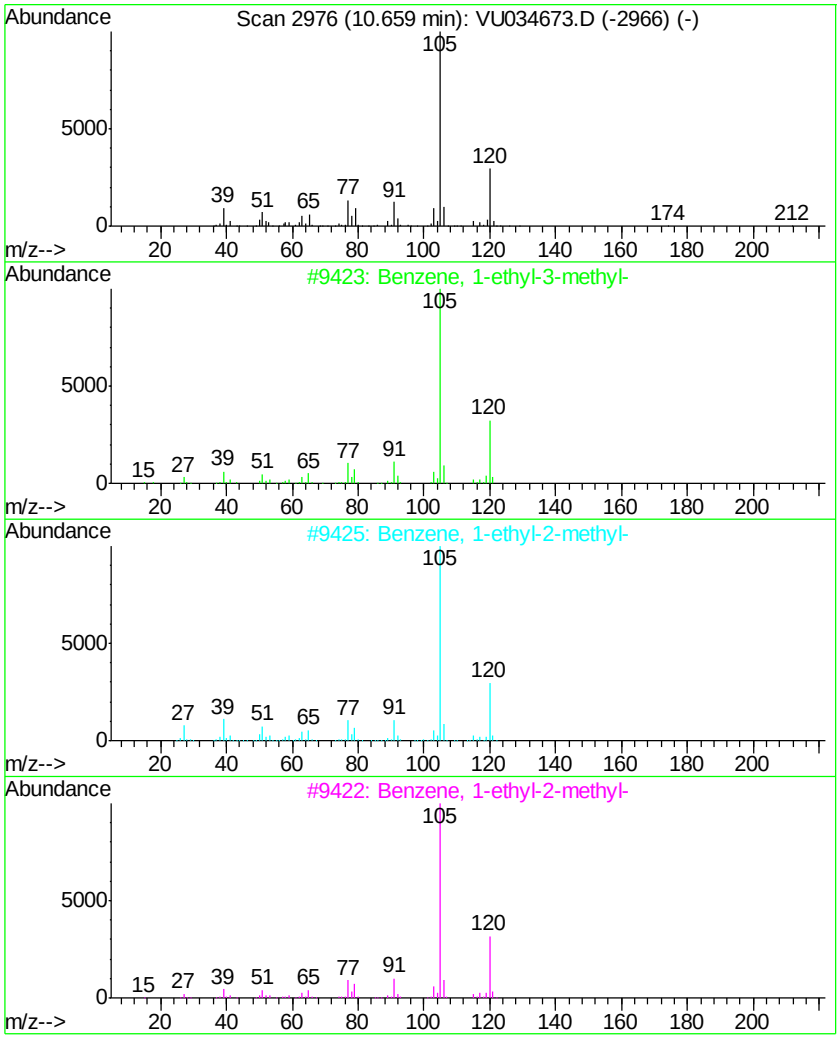
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

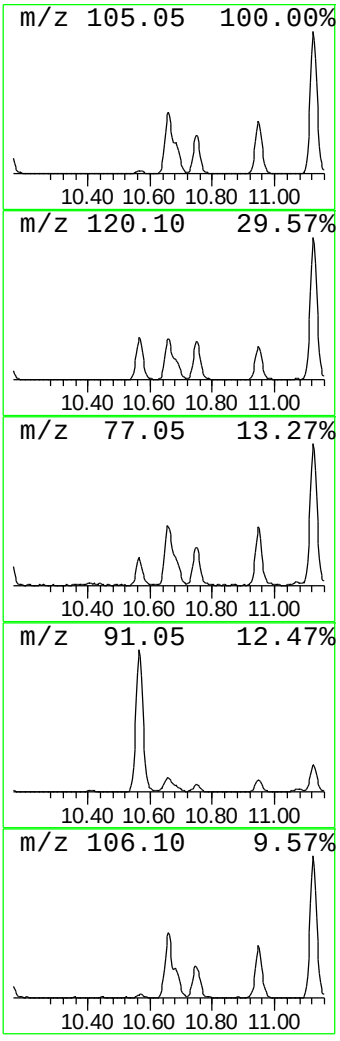
****

Peak Number 9 Benzene, 1-ethyl-3-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	14.61 ug/L	489287	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-2-methyl-	120	C9H12	000611-14-3	94
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034673.D
Acq On : 20 Sep 2019 01:43
Operator : JC/SP
Sample : K4895-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG1

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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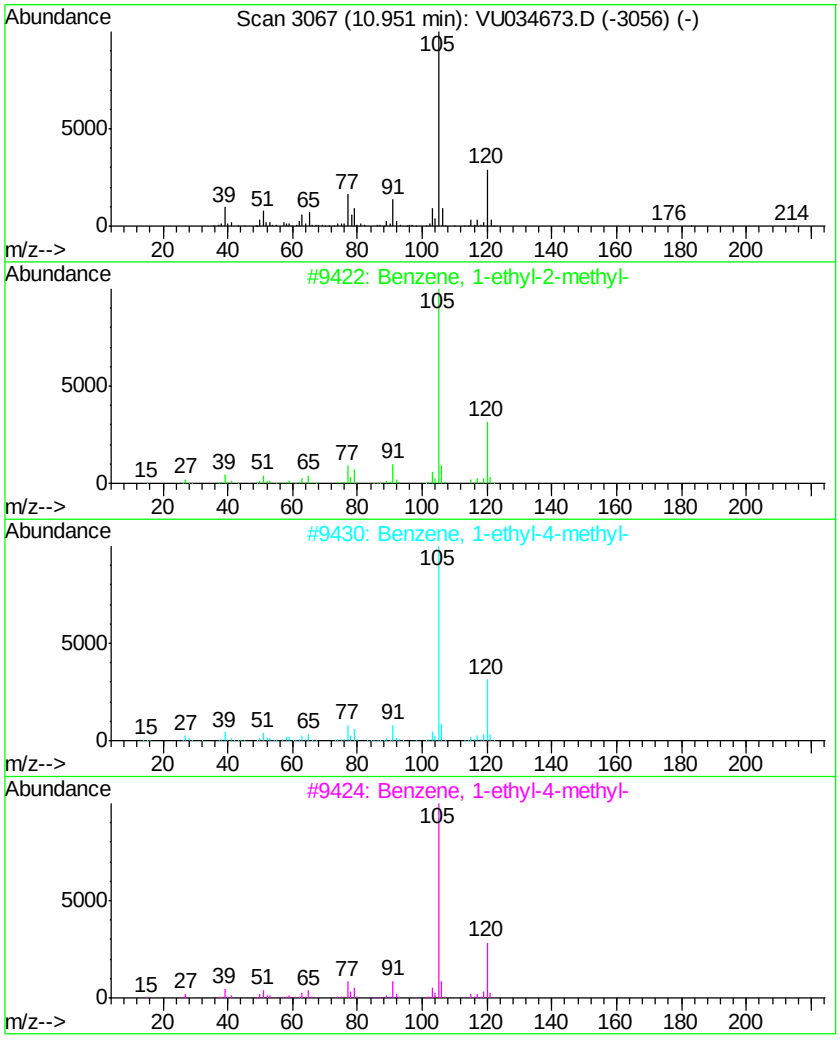
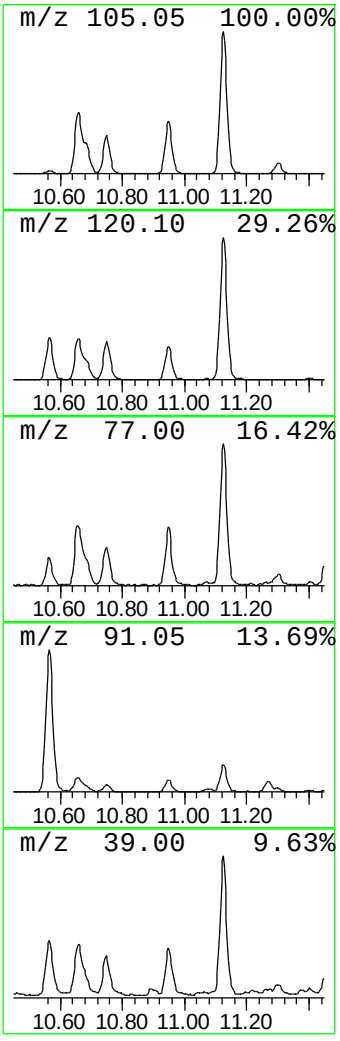
Peak Number 11 Benzene, 1-ethyl-2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.95	10.39 ug/L	348172	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	94
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034673.D
Acq On : 20 Sep 2019 01:43
Operator : JC/SP
Sample : K4895-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG1

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

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

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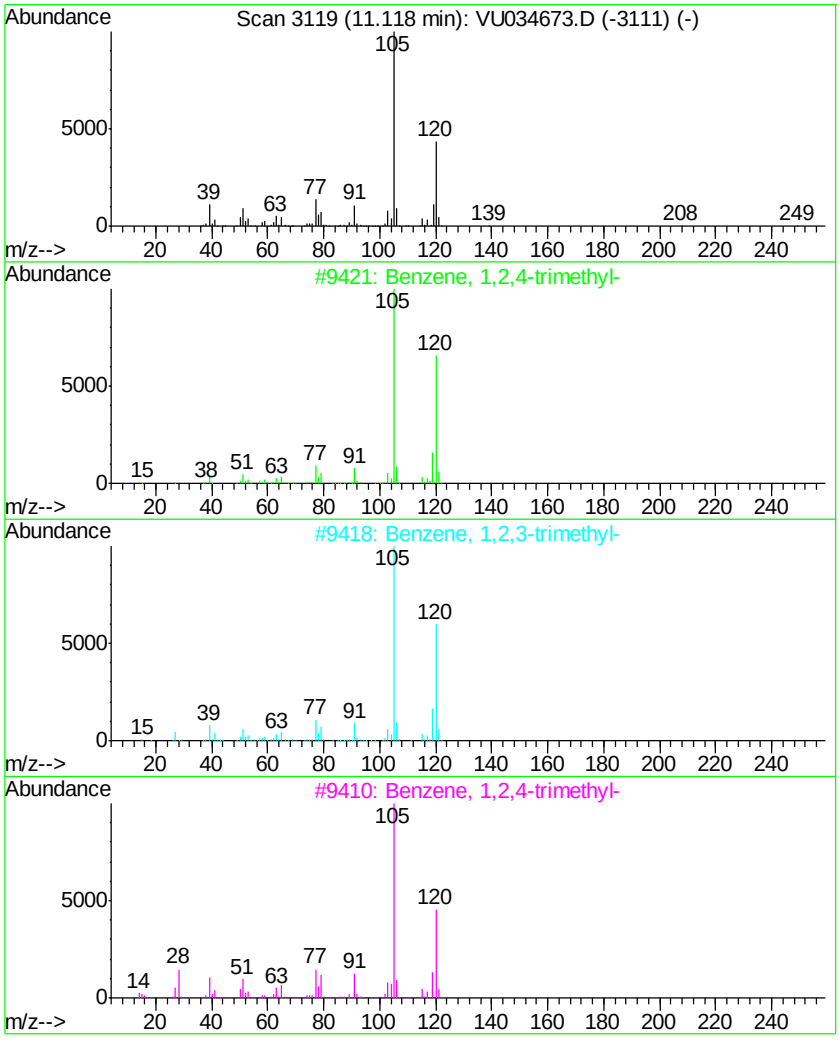
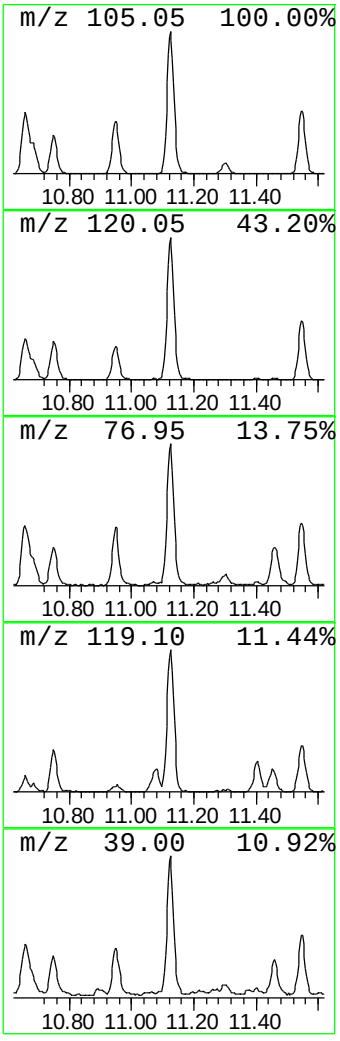
Peak Number 12 Benzene, 1,2,4-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.12	27.57 ug/L	923428	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	94
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	93
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034673.D
Acq On : 20 Sep 2019 01:43
Operator : JC/SP
Sample : K4895-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG1

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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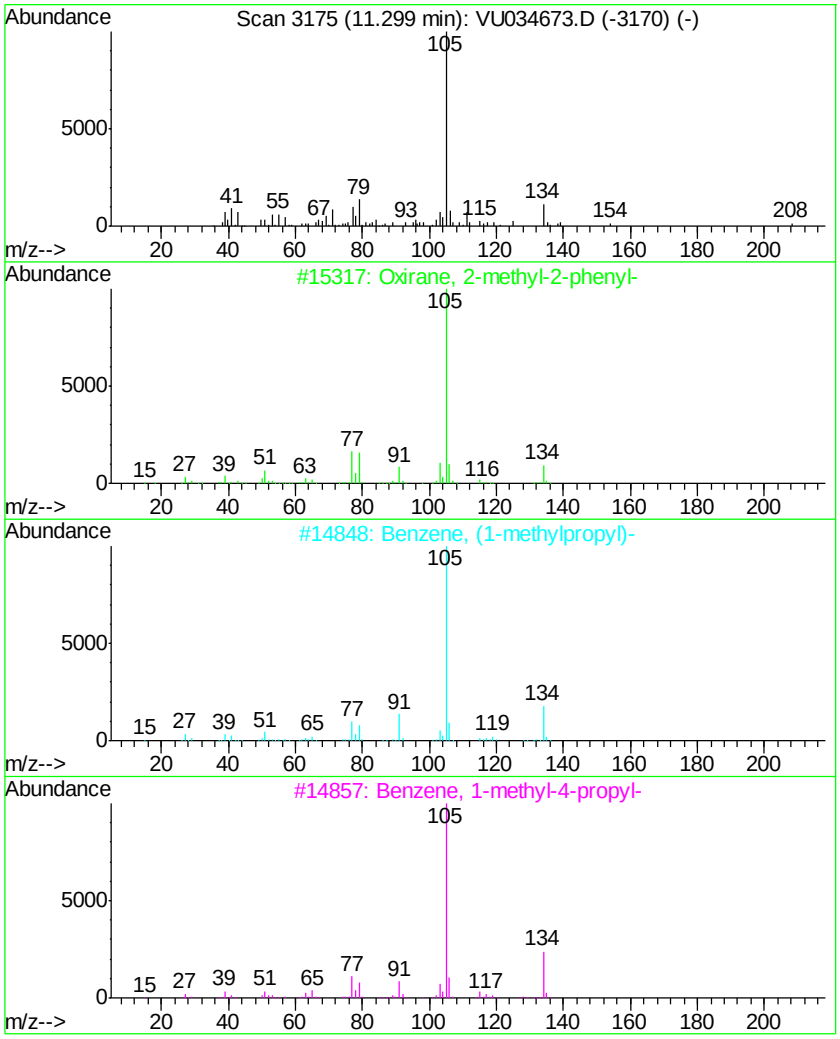
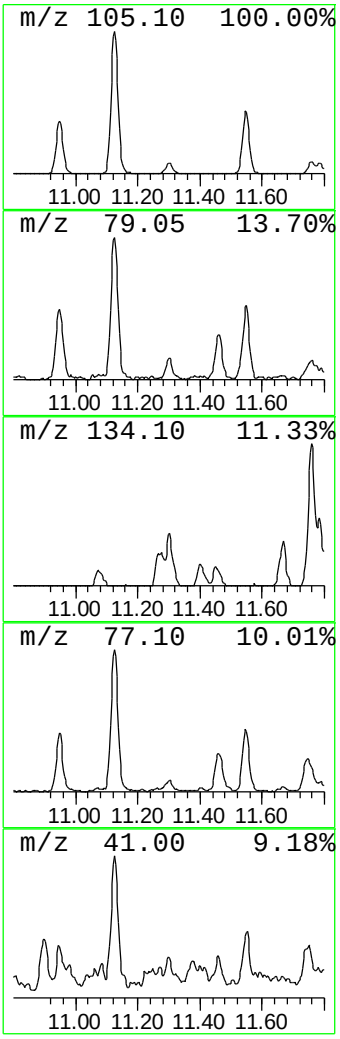
Peak Number 13 Oxirane, 2-methyl-2-phenyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.30	2.65 ug/L	88868	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, 2-methyl-2-phenyl-	134	C9H10O	002085-88-3	64
2	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	64
3	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	64
4	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	59
5	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091919\
Data File : VU034673.D
Acq On : 20 Sep 2019 01:43
Operator : JC/SP
Sample : K4895-15
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG1

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

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

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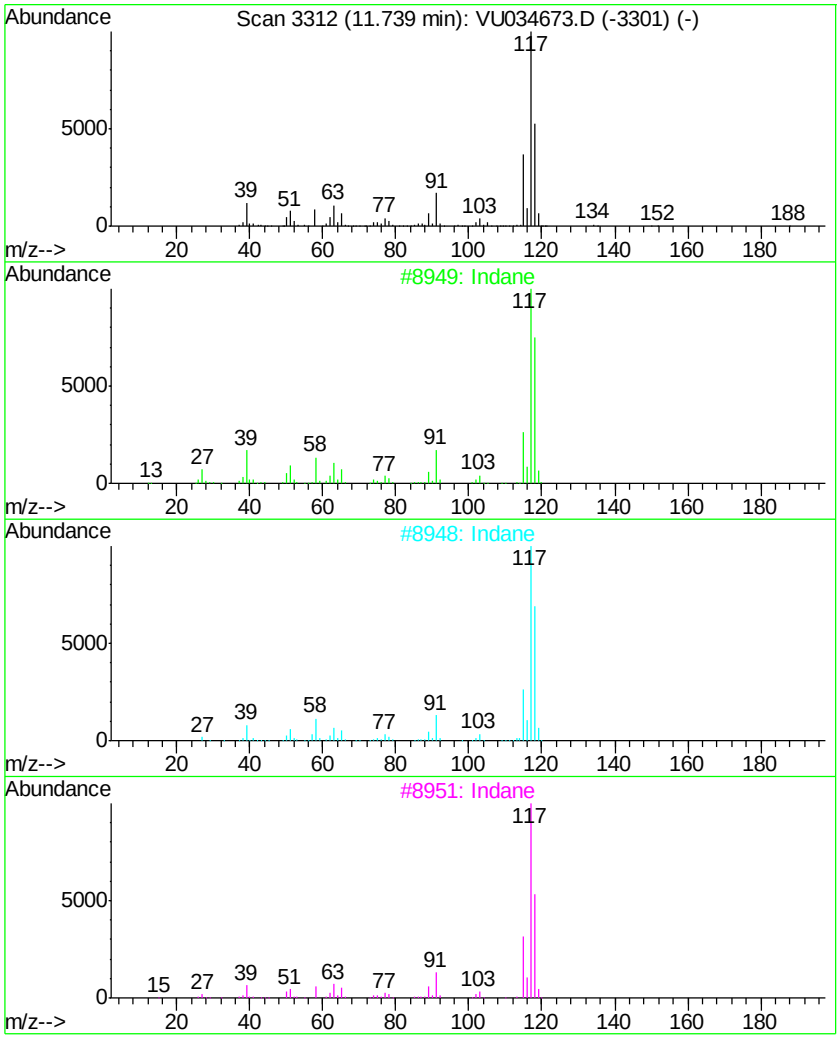
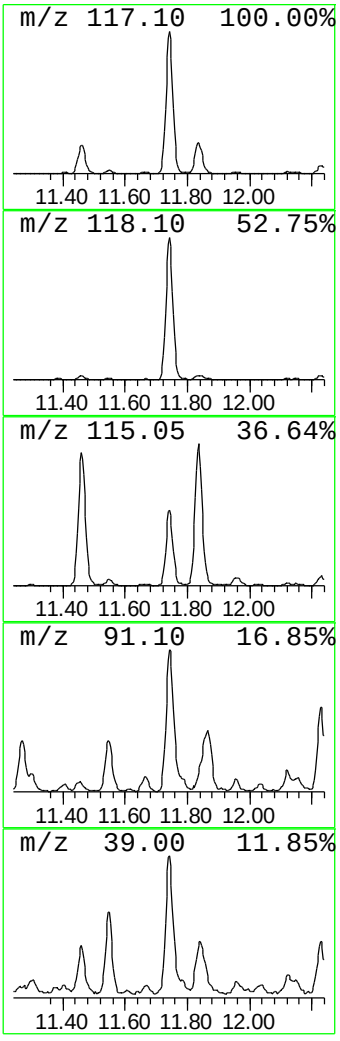
Peak Number 15 Indane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	26.43 ug/L	885233	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Indane	118	C9H10	000496-11-7	93
3	Indane	118	C9H10	000496-11-7	90
4	Indane	118	C9H10	000496-11-7	90
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	81





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Data File : VU034673.D
Acq On : 20 Sep 2019 01:43
Operator : JC/SP
Sample : K4895-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG1

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

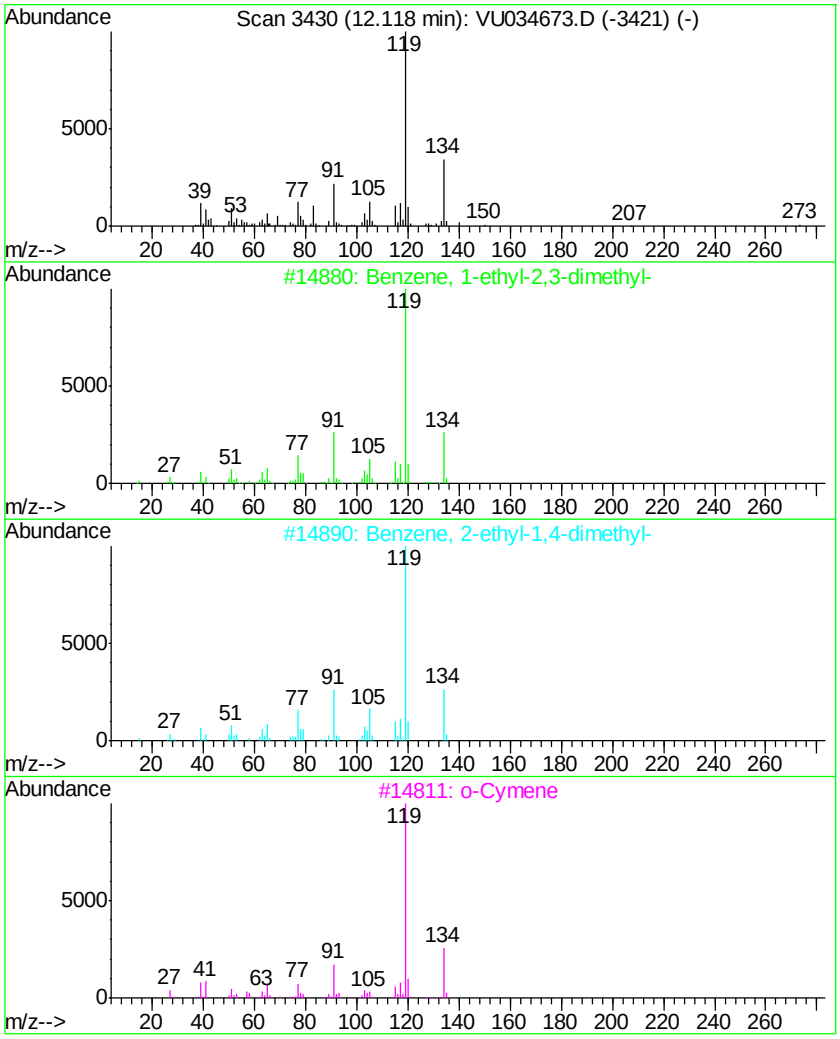
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

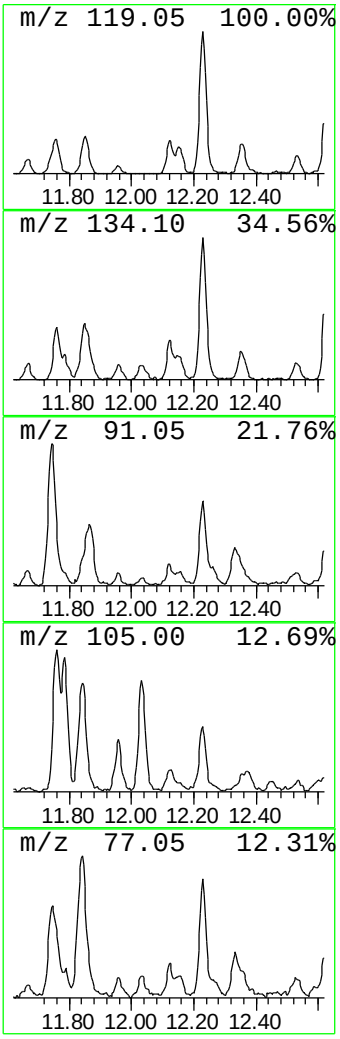
****

Peak Number 16 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	3.19 ug/L	107004	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	o-Cymene	134	C10H14	000527-84-4	94
4	o-Cymene	134	C10H14	000527-84-4	94
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94





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Data File : VU034673.D
Acq On : 20 Sep 2019 01:43
Operator : JC/SP
Sample : K4895-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG1

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

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

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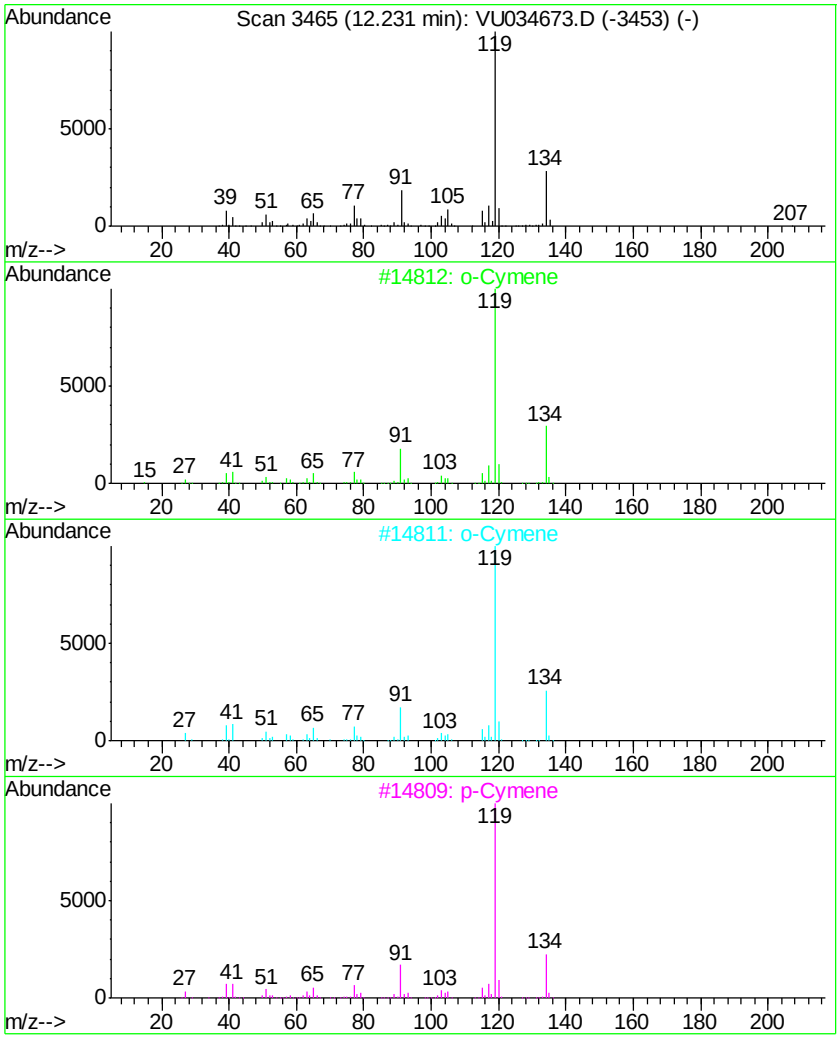
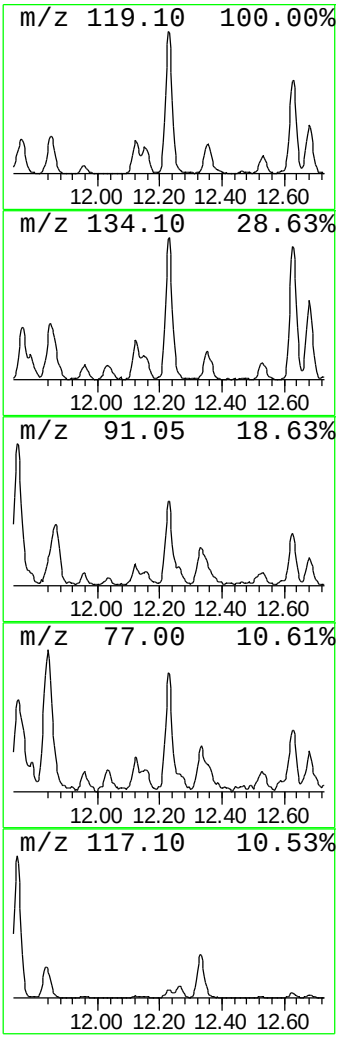
Peak Number 17 o-Cymene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	10.12 ug/L	339005	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	97
2	o-Cymene	134	C10H14	000527-84-4	97
3	p-Cymene	134	C10H14	000099-87-6	97
4	o-Cymene	134	C10H14	000527-84-4	97
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	97





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Data File : VU034673.D
Acq On : 20 Sep 2019 01:43
Operator : JC/SP
Sample : K4895-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG1

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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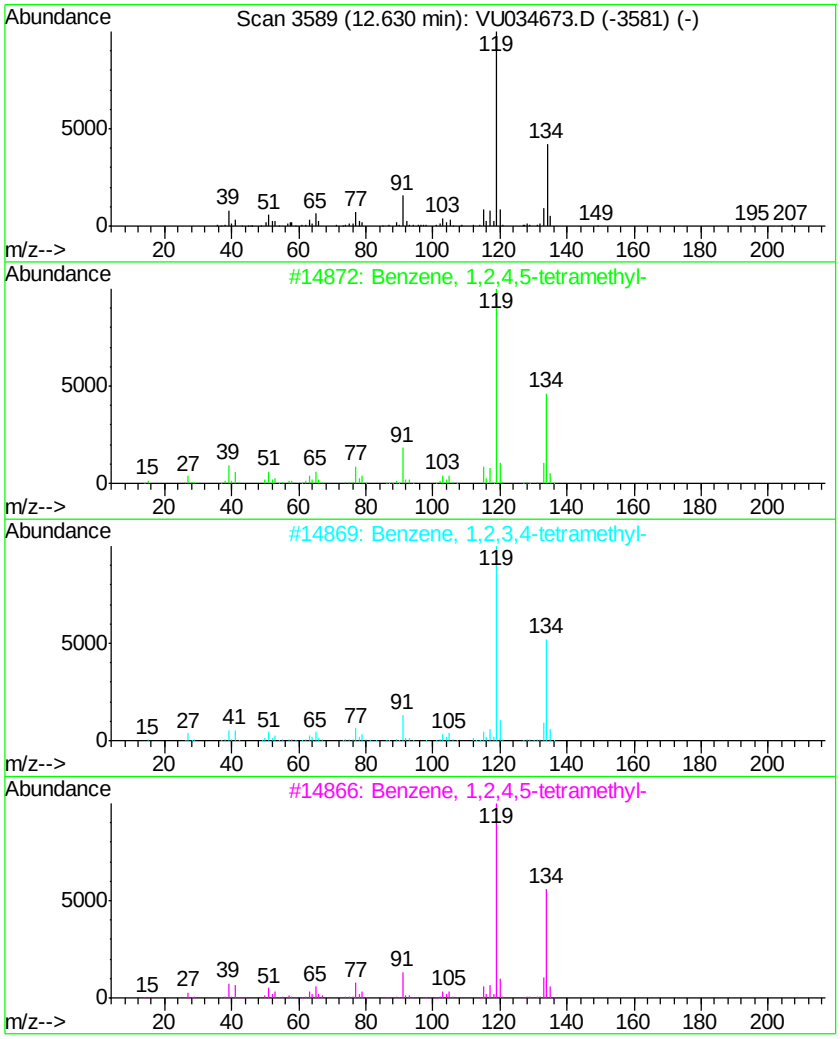
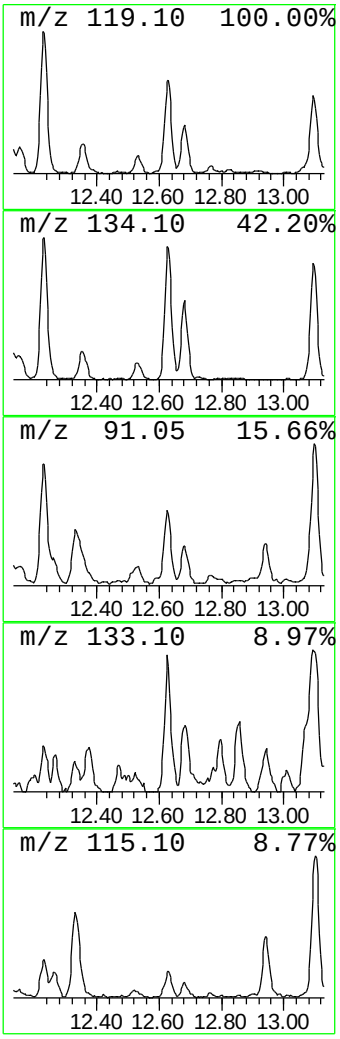
Peak Number 18 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	7.14 ug/L	239163	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	97
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034673.D
Acq On : 20 Sep 2019 01:43
Operator : JC/SP
Sample : K4895-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG1

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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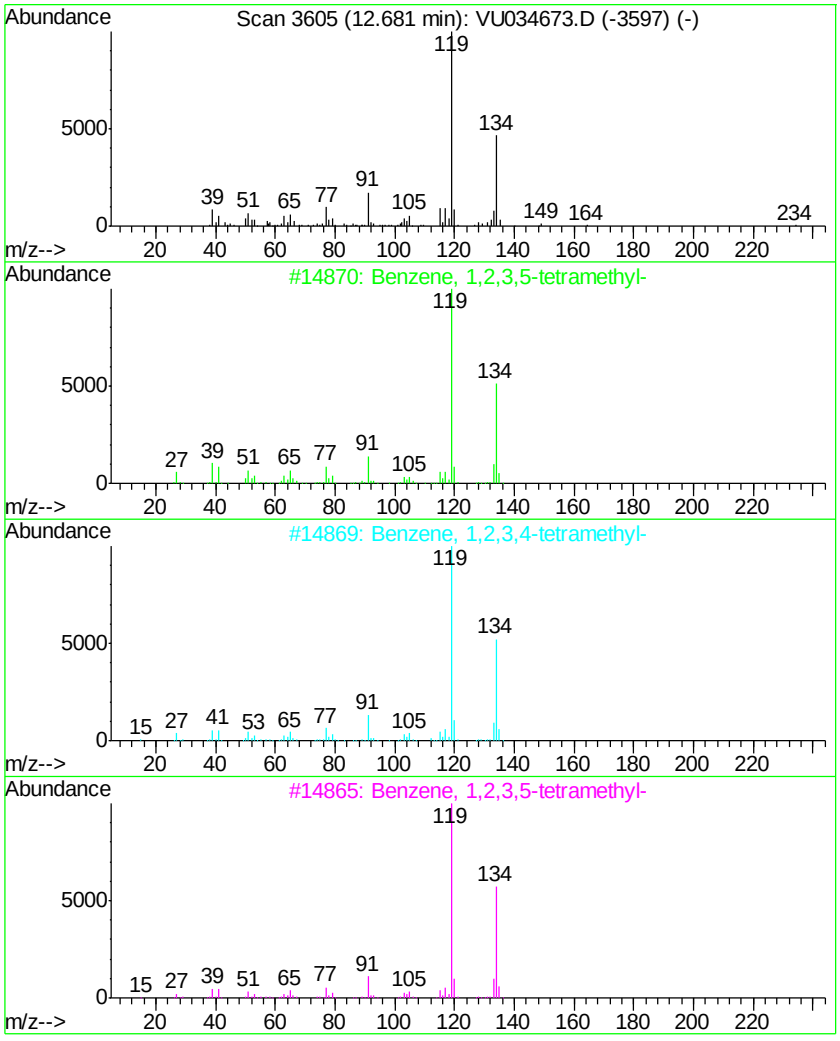
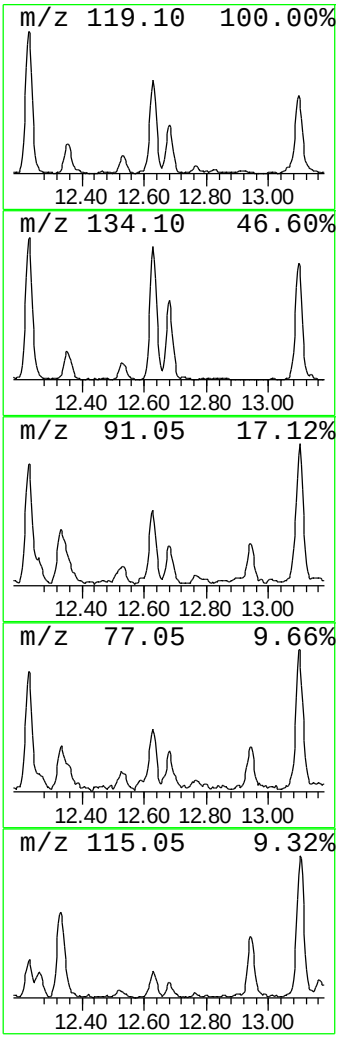
Peak Number 19 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.68	4.14 ug/L	138505	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	91
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91





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Data File : VU034673.D
Acq On : 20 Sep 2019 01:43
Operator : JC/SP
Sample : K4895-15
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG1

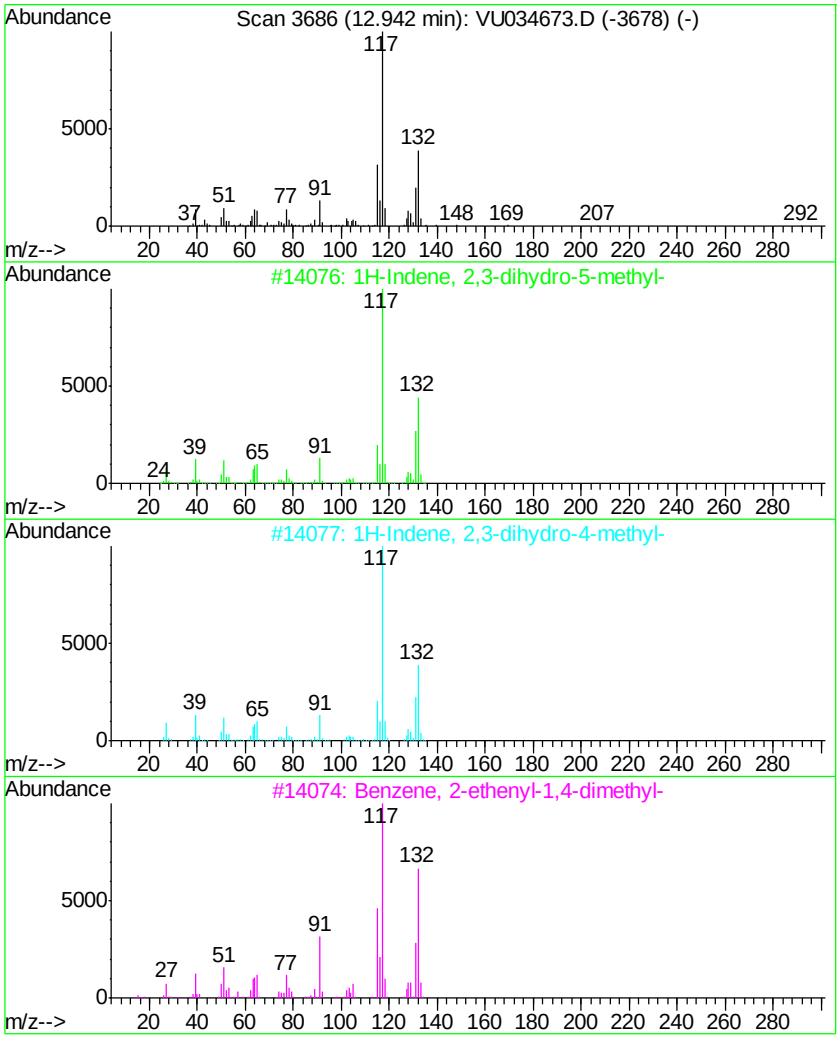
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

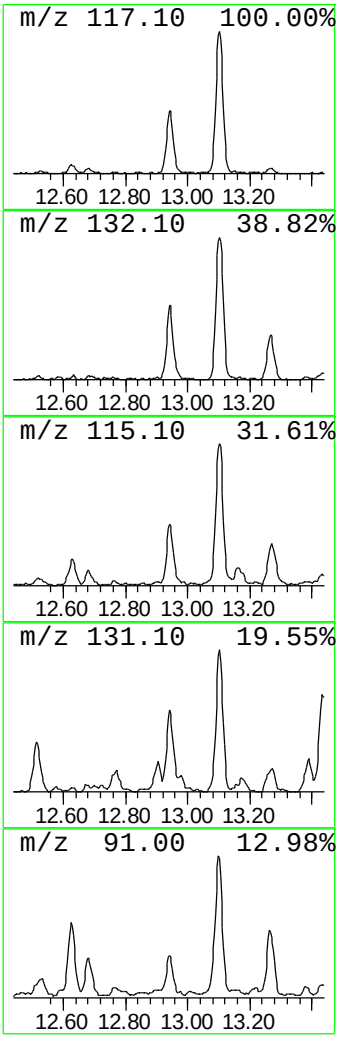
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	5.34 ug/L	178920	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	96
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	94
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	93
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	91
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034673.D
Acq On : 20 Sep 2019 01:43
Operator : JC/SP
Sample : K4895-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG1

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

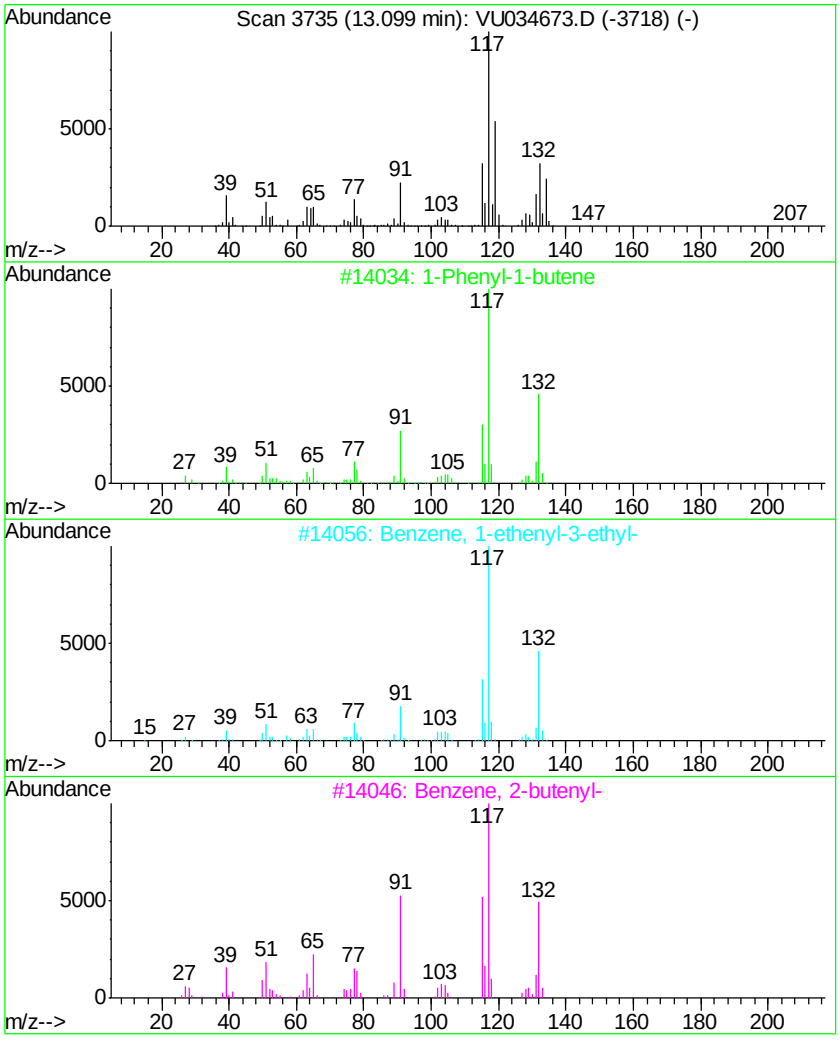
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

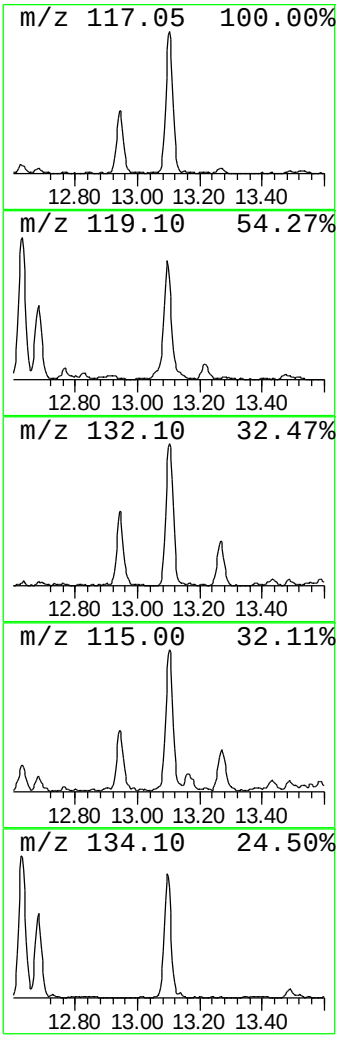
****

Peak Number 21 1-Phenyl-1-butene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	18.61 ug/L	623280	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	93
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	91
3	Benzene, 2-butenyl-	132	C10H12	001560-06-1	87
4	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	86
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091919\
Data File : VU034673.D
Acq On : 20 Sep 2019 01:43
Operator : JC/SP
Sample : K4895-15
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG1

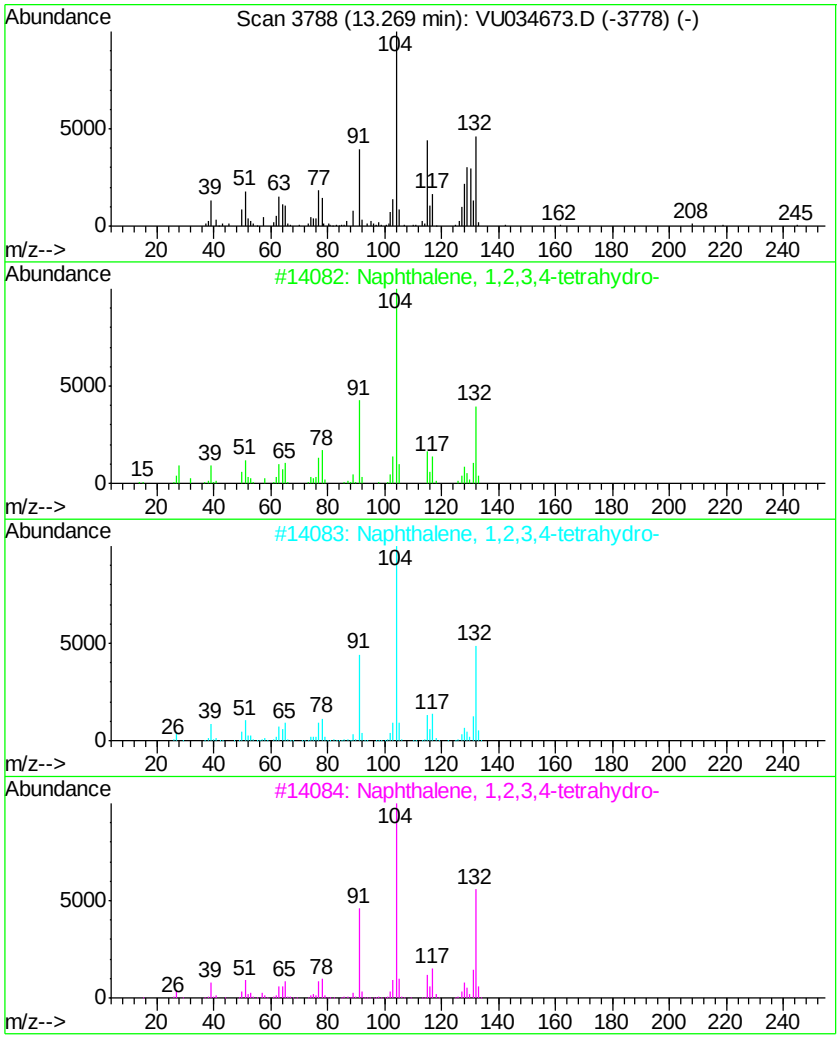
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

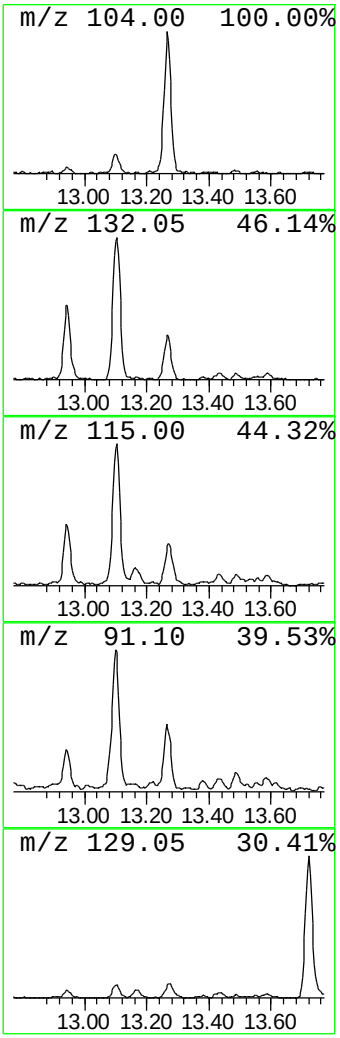
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	4.73 ug/L	158581	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	93
2	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	83
3	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	60
4	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	58
5	1H-Inden-1-one, 2,3-dihydro-	132	C9H8O	000083-33-0	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091919\
Data File : VU034673.D
Acq On : 20 Sep 2019 01:43
Operator : JC/SP
Sample : K4895-15
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG1

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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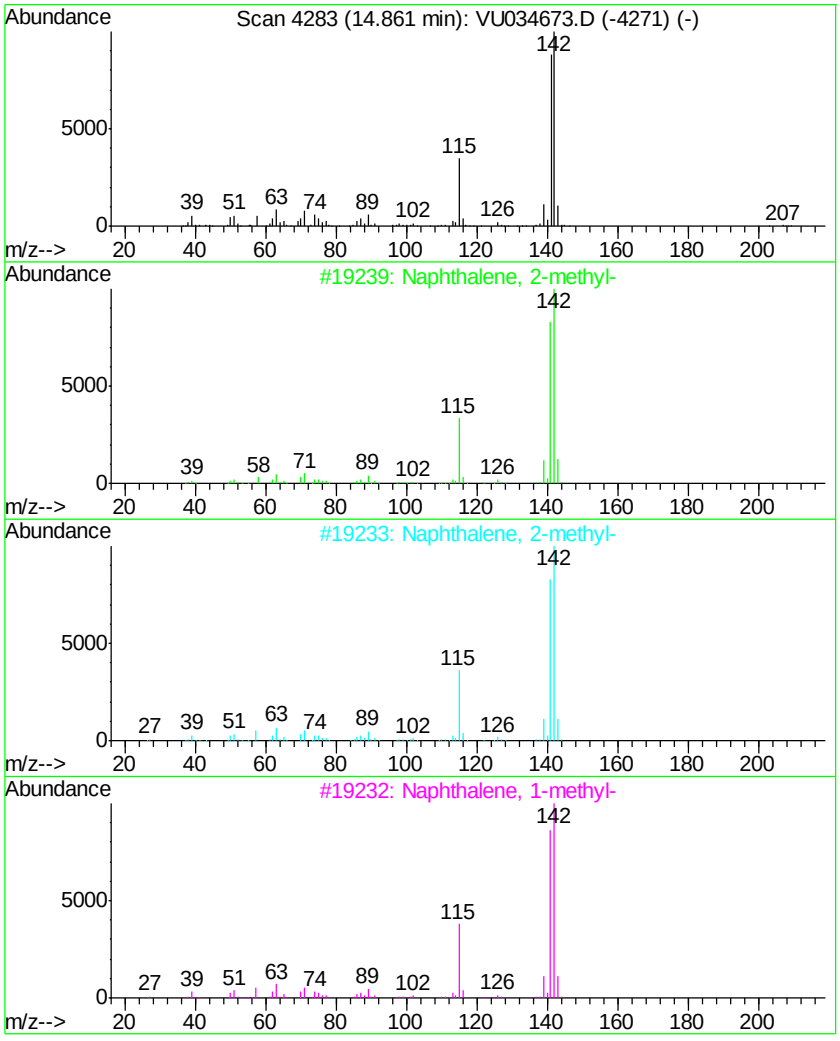
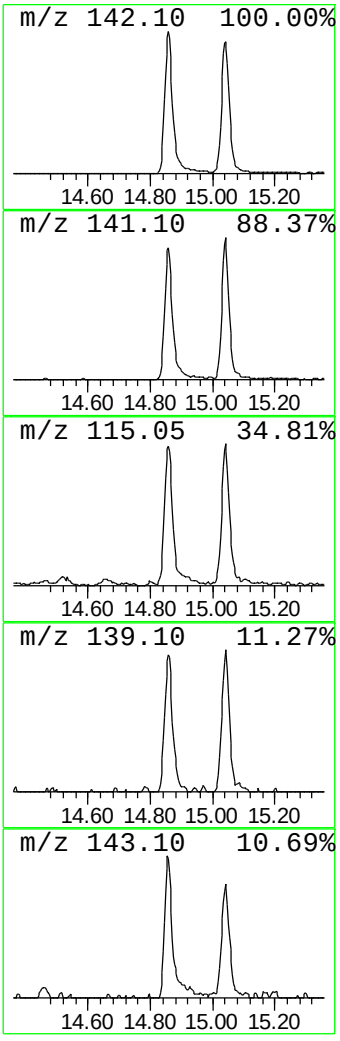
Peak Number 24 Naphthalene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	9.59 ug/L	321363	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034673.D
Acq On : 20 Sep 2019 01:43
Operator : JC/SP
Sample : K4895-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG1

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	6.4	ug/L	168967	1	5.86	1326890	50.0
n-Propyl acetate	6.68	94.8	ug/L	2514740	1	5.86	1326890	50.0
Propanoic acid, 1...	7.40	15.9	ug/L	420542	1	5.86	1326890	50.0
Propanoic acid, 2...	8.13	16.7	ug/L	703079	2	9.07	2106530	50.0
Propanoic acid, p...	8.40	24.6	ug/L	1037190	2	9.07	2106530	50.0
Butanoic acid, 1-...	8.88	31.8	ug/L	1340000	2	9.07	2106530	50.0
Benzene, propyl-	10.57	12.6	ug/L	421328	3	11.46	1674740	50.0
Benzene, 1-ethyl-...	10.66	14.6	ug/L	489287	3	11.46	1674740	50.0
Benzene, 1-ethyl-...	10.95	10.4	ug/L	348172	3	11.46	1674740	50.0
Benzene, 1,2,4-tr...	11.12	27.6	ug/L	923428	3	11.46	1674740	50.0
Oxirane, 2-methyl...	11.30	2.6	ug/L	88868	3	11.46	1674740	50.0
Indane	11.74	26.4	ug/L	885233	3	11.46	1674740	50.0
Benzene, 1-ethyl-...	12.12	3.2	ug/L	107004	3	11.46	1674740	50.0
o-Cymene	12.23	10.1	ug/L	339005	3	11.46	1674740	50.0
Benzene, 1,2,4,5-...	12.63	7.1	ug/L	239163	3	11.46	1674740	50.0
Benzene, 1,2,3,5-...	12.68	4.1	ug/L	138505	3	11.46	1674740	50.0
1H-Indene, 2,3-di...	12.94	5.3	ug/L	178920	3	11.46	1674740	50.0
1-Phenyl-1-butene	13.10	18.6	ug/L	623280	3	11.46	1674740	50.0
Naphthalene, 1,2,...	13.27	4.7	ug/L	158581	3	11.46	1674740	50.0
Naphthalene, 1-me...	14.86	9.6	ug/L	321363	3	11.46	1674740	50.0