LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034674.D
Acq On : 20 Sep 2019 02:06
Operator : JC/SP
Sample : K4895-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFDH5

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	365842	397531	4.49%	0.451%
2	1.540	131	140	153	rBV	38215	61907	0.70%	0.070%
3	1.672	173	181	192	rBV	290860	362832	4.09%	0.412%
4	1.749	198	205	216	rVB	46557	60913	0.69%	0.069%
5	1.945	258	266	276	rVB6	26294	46211	0.52%	0.052%
6	2.170	330	336	346	rVB2	40737	59147	0.67%	0.067%
7	2.257	353	363	373	rBV	506781	786396	8.87%	0.893%
8	2.306	373	378	390	rVB	79599	122865	1.39%	0.140%
9	2.688	483	497	504	rVV6	22645	57831	0.65%	0.066%
10	2.775	516	524	542	rVB5	26594	67533	0.76%	0.077%
11	2.974	571	586	599	rBV6	21470	46798	0.53%	0.053%
12	3.537	752	761	774	rVB3	17170	38034	0.43%	0.043%
13	3.875	852	866	881	rVB6	14287	38819	0.44%	0.044%
14	4.071	909	927	939	rBV3	48381	129080	1.46%	0.147%
15	4.151	939	952	975	rBV2	237616	656341	7.41%	0.745%
16	4.630	1083	1101	1123	rBV4	270587	905068	10.21%	1.028%
17	4.756	1129	1140	1155	rVB4	43245	97978	1.11%	0.111%
18	4.974	1193	1208	1223	rVV4	71558	179913	2.03%	0.204%
19	5.315	1291	1314	1323	rBV3	791858	2331340	26.31%	2.647%
20	5.367	1324	1330	1351	rVB2	500310	994439	11.22%	1.129%
21	5.527	1362	1380	1394	rBV4	72623	178596	2.02%	0.203%
22	5.865	1471	1485	1499	rBV	718310	1428808	16.12%	1.622%
23	6.157	1561	1576	1604	rVB5	426326	1056213	11.92%	1.199%
24	6.309	1608	1623	1637	rBV	555628	1117436	12.61%	1.269%
25	6.395	1639	1650	1674	rVB5	105708	272950	3.08%	0.310%
26	6.685	1729	1740	1763	rBV	763078	1383047	15.61%	1.571%
27	7.045	1839	1852	1862	rBV3	33294	67876	0.77%	0.077%
28	7.206	1891	1902	1925	rBV	315573	586208	6.62%	0.666%
29	7.402	1949	1963	1966	rBV	212490	333841	3.77%	0.379%
30	7.437	1966	1974	1994	rVV	854040	1523083	17.19%	1.730%
31	7.543	1995	2007	2018	rVV	1090747	1920449	21.67%	2.181%
32	7.614	2018	2029	2049	rVB	5261810	8861686	100.00%	10.063%
33	7.829	2085	2096	2107	rBV	253159	434150	4.90%	0.493%
34	7.891	2107	2115	2138	rVB	111898	252247	2.85%	0.286%

LSC Area Percent Report

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Data File : VU034674.D
Acq On : 20 Sep 2019 02:06
Operator : JC/SP
Sample : K4895-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFDH5

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	8.135	2180	2191	2204	rBV	290816	479465	5.41%	0.544%
36	8.209	2204	2214	2222	rBV3	100034	175273	1.98%	0.199%
37	8.289	2229	2239	2263	rBV	944451	1641682	18.53%	1.864%
38	8.395	2264	2272	2281	rBV	281515	414395	4.68%	0.471%
39	8.514	2304	2309	2321	rVB5	18469	31991	0.36%	0.036%
40	8.884	2409	2424	2436	rBV	553178	888026	10.02%	1.008%
41	9.067	2458	2481	2491	rBV	1086448	1862703	21.02%	2.115%
42	9.228	2519	2531	2553	rBV	1271389	2061928	23.27%	2.341%
43	9.350	2556	2569	2585	rBV	4942391	7964715	89.88%	9.044%
44	9.476	2601	2608	2617	rVB2	80836	122699	1.38%	0.139%
45	9.588	2635	2643	2659	rBV3	31644	62347	0.70%	0.071%
46	9.675	2660	2670	2677	rBV6	21853	42908	0.48%	0.049%
47	9.755	2683	2695	2725	rVB	3170450	5192311	58.59%	5.896%
48	9.903	2732	2741	2759	rBV3	51883	124123	1.40%	0.141%
49	10.144	2805	2816	2827	rVB	137052	226092	2.55%	0.257%
50	10.302	2857	2865	2874	rVB6	27662	41740	0.47%	0.047%
51	10.408	2886	2898	2912	rBV	260801	449353	5.07%	0.510%
52	10.562	2935	2946	2959	rBV	290728	488592	5.51%	0.555%
53	10.659	2959	2976	2993	rVV	1410378	3040967	34.32%	3.453%
54	10.749	2994	3004	3027	rVB	1060608	1704227	19.23%	1.935%
55	10.894	3040	3049	3057	rBV	187672	294951	3.33%	0.335%
56	10.948	3057	3066	3086	rVB	763490	1287634	14.53%	1.462%
57	11.058	3090	3100	3109	rBV8	27810	56071	0.63%	0.064%
58	11.125	3109	3121	3135	rBV	3588598	5351155	60.39%	6.077%
59	11.234	3146	3155	3169	rVV2	268362	464453	5.24%	0.527%
60	11.299	3170	3175	3182	rVB2	40913	56263	0.63%	0.064%
61	11.405	3200	3208	3215	rBV	98596	139871	1.58%	0.159%
62	11.460	3215	3225	3241	rVB	1161595	1872373	21.13%	2.126%
63	11.546	3241	3252	3266	rBV	1528408	2324447	26.23%	2.640%
64	11.742	3301	3313	3322	rBV	878807	1545403	17.44%	1.755%
65	11.784	3322	3326	3333	rVV	228101	310025	3.50%	0.352%
66	11.839	3333	3343	3368	rVB4	1422242	3102832	35.01%	3.523%
67	11.958	3371	3380	3393	rBV3	103692	188150	2.12%	0.214%
68	12.032	3395	3403	3416	rVB	120781	202093	2.28%	0.229%
69	12.122	3420	3431	3436	rBV	266298	430045	4.85%	0.488%
70	12.151	3437	3440	3453	rVB	251400	334051	3.77%	0.379%
71	12.228	3455	3464	3471	rBV	386947	583075	6.58%	0.662%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034674.D
Acq On : 20 Sep 2019 02:06
Operator : JC/SP
Sample : K4895-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFDH5

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	3486	3496	3518	rBV2	359328	688029	7.76%	0.781%
73	12.527	3547	3557	3567	rBV3	151781	255952	2.89%	0.291%
74	12.595	3568	3578	3583	rVV	270756	447092	5.05%	0.508%
75	12.627	3583	3588	3596	rVV	310365	445534	5.03%	0.506%
76	12.678	3596	3604	3620	rVB	466537	725232	8.18%	0.824%
77	12.765	3626	3631	3637	rBV5	24844	33954	0.38%	0.039%
78	12.942	3677	3686	3702	rVB	417766	627642	7.08%	0.713%
79	13.099	3717	3735	3747	rBV3	924695	1560737	17.61%	1.772%
80	13.164	3749	3755	3765	rVB4	111851	185339	2.09%	0.210%
81	13.267	3778	3787	3806	rVB3	257087	444625	5.02%	0.505%
82	13.376	3809	3821	3831	rVV2	347615	600229	6.77%	0.682%
83	13.434	3831	3839	3847	rVV	120972	209667	2.37%	0.238%
84	13.488	3848	3856	3871	rVV4	158865	342410	3.86%	0.389%
85	13.556	3872	3877	3880	rVV2	67165	87117	0.98%	0.099%
86	13.588	3881	3887	3909	rVB2	138056	297891	3.36%	0.338%
87	13.720	3913	3928	3954	rBV	2893177	4626344	52.21%	5.253%
88	13.839	3956	3965	3981	rVB	174432	297751	3.36%	0.338%
89	13.935	3986	3995	4005	rVV5	57418	125798	1.42%	0.143%
90	13.990	4006	4012	4022	rVB3	50566	80759	0.91%	0.092%
91	14.131	4046	4056	4071	rBV	115535	203734	2.30%	0.231%
92	14.315	4103	4113	4125	rBV5	100307	223284	2.52%	0.254%
93	14.456	4147	4157	4167	rBV4	44402	87329	0.99%	0.099%
94	14.514	4167	4175	4189	rVB3	100253	178626	2.02%	0.203%
95	14.656	4205	4219	4233	rVB9	37740	82336	0.93%	0.093%
96	14.800	4256	4264	4270	rBV2	45191	68207	0.77%	0.077%
97	14.855	4270	4281	4307	rVB	949676	1604273	18.10%	1.822%
98	15.038	4327	4338	4353	rBV	596022	1010155	11.40%	1.147%
99	15.906	4598	4608	4625	rVB8	16826	44317	0.50%	0.050%
100	16.041	4641	4650	4657	rBV4	35369	62414	0.70%	0.071%

Sum of corrected areas: 88062772

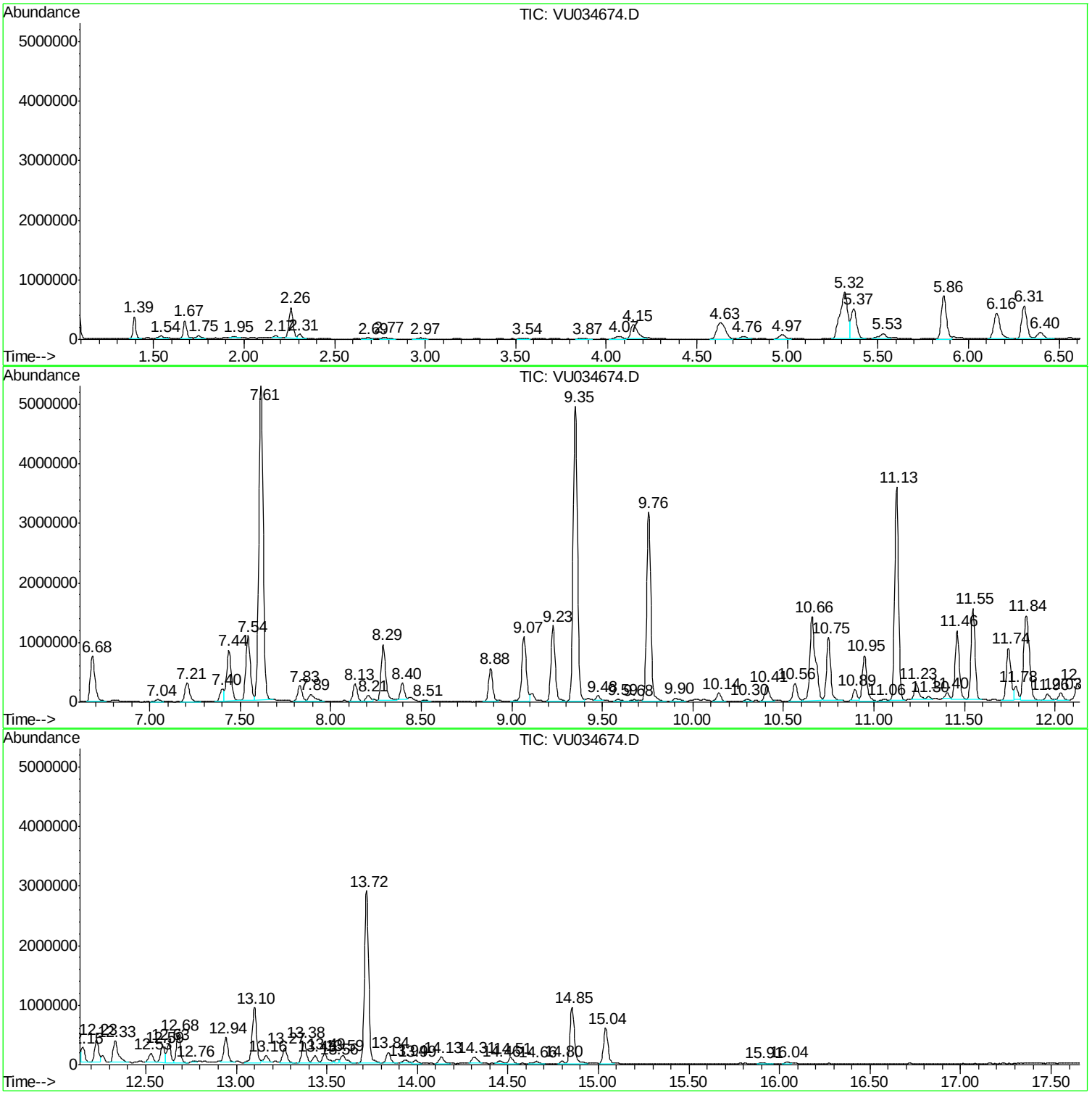
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034674.D
Acq On : 20 Sep 2019 02:06
Operator : JC/SP
Sample : K4895-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFDH5

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 : VU034674.D
Acq On : 20 Sep 2019 02:06
Operator : JC/SP
Sample : K4895-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFDH5

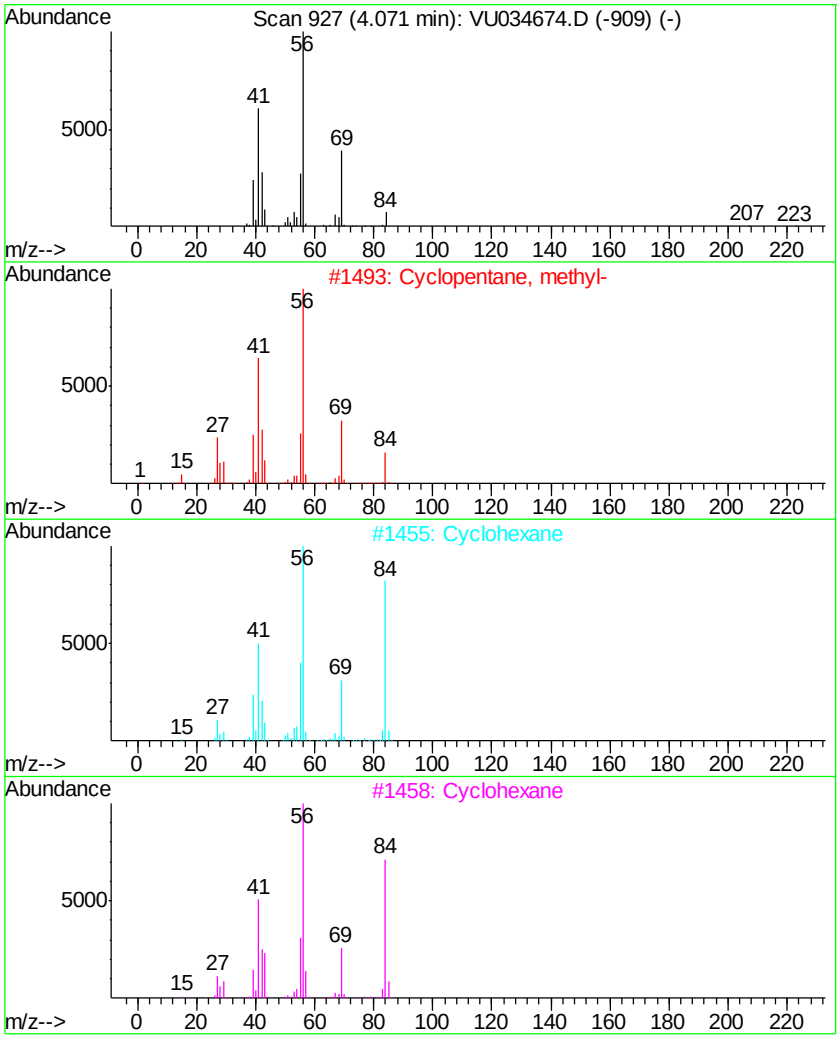
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

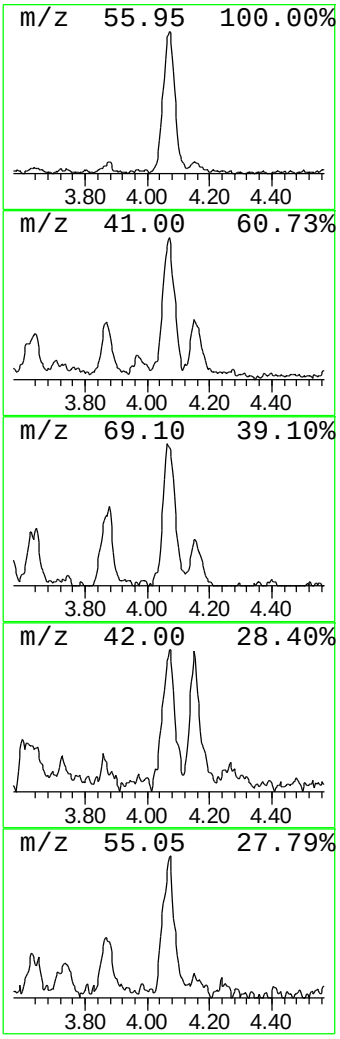
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Cyclic4.07 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.07	4.52 ug/L	129080	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	90
2	Cyclohexane	84	C6H12	000110-82-7	80
3	Cyclohexane	84	C6H12	000110-82-7	78
4	Cyclohexane	84	C6H12	000110-82-7	78
5	Cyclopentane, methyl-	84	C6H12	000096-37-7	78





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034674.D
Acq On : 20 Sep 2019 02:06
Operator : JC/SP
Sample : K4895-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFDH5

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

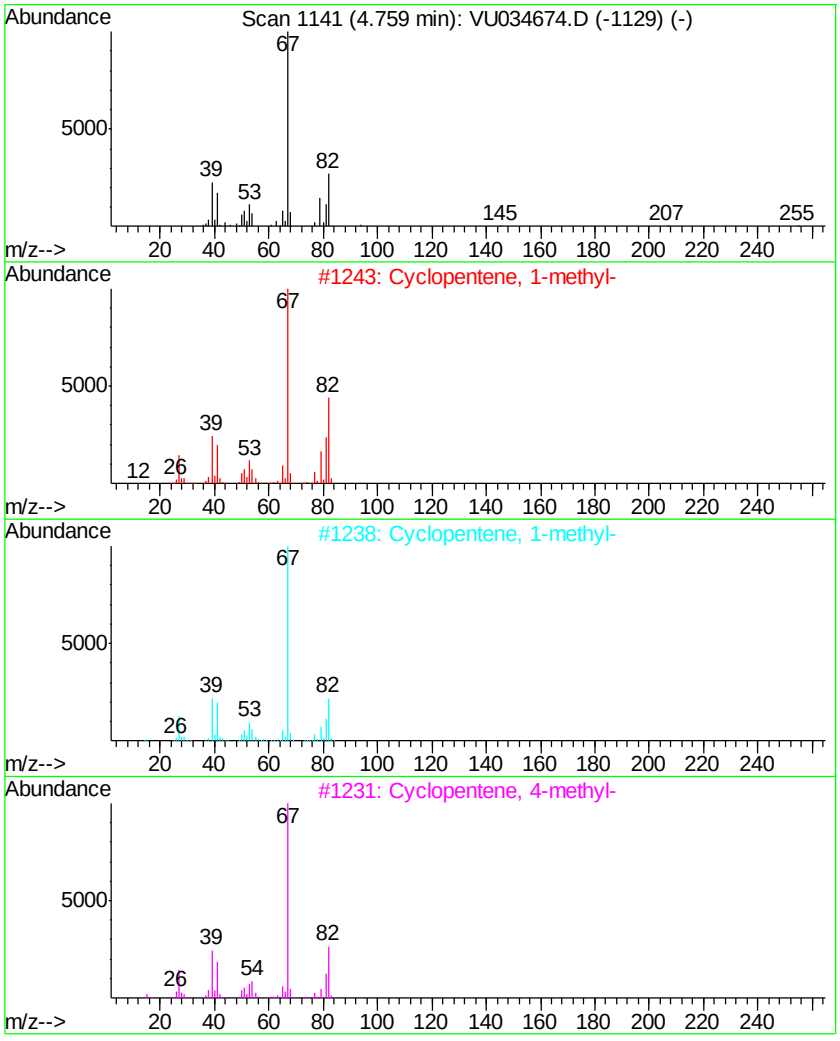
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

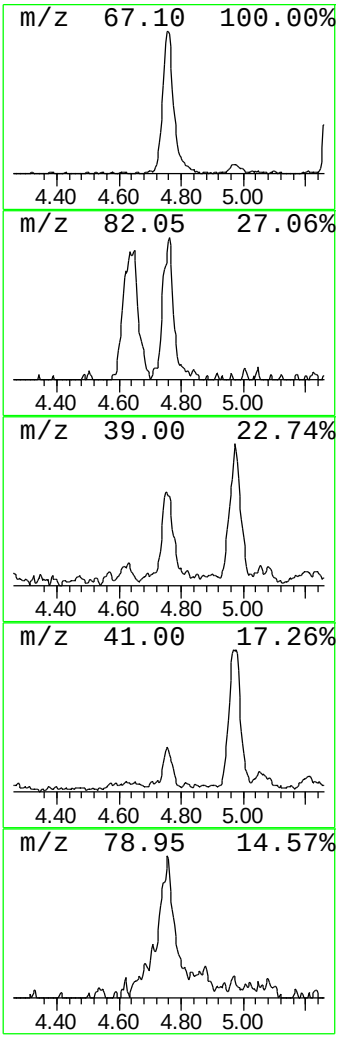
****

Peak Number 2 Cyclopentene, 1-methyl- Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.76	3.43 ug/L	97978	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	90
2	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	90
3	Cyclopentene, 4-methyl-	82	C6H10	001759-81-5	90
4	Isopropenylcyclopropane	82	C6H10	004663-22-3	86
5	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	86





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034674.D
Acq On : 20 Sep 2019 02:06
Operator : JC/SP
Sample : K4895-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFDH5

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

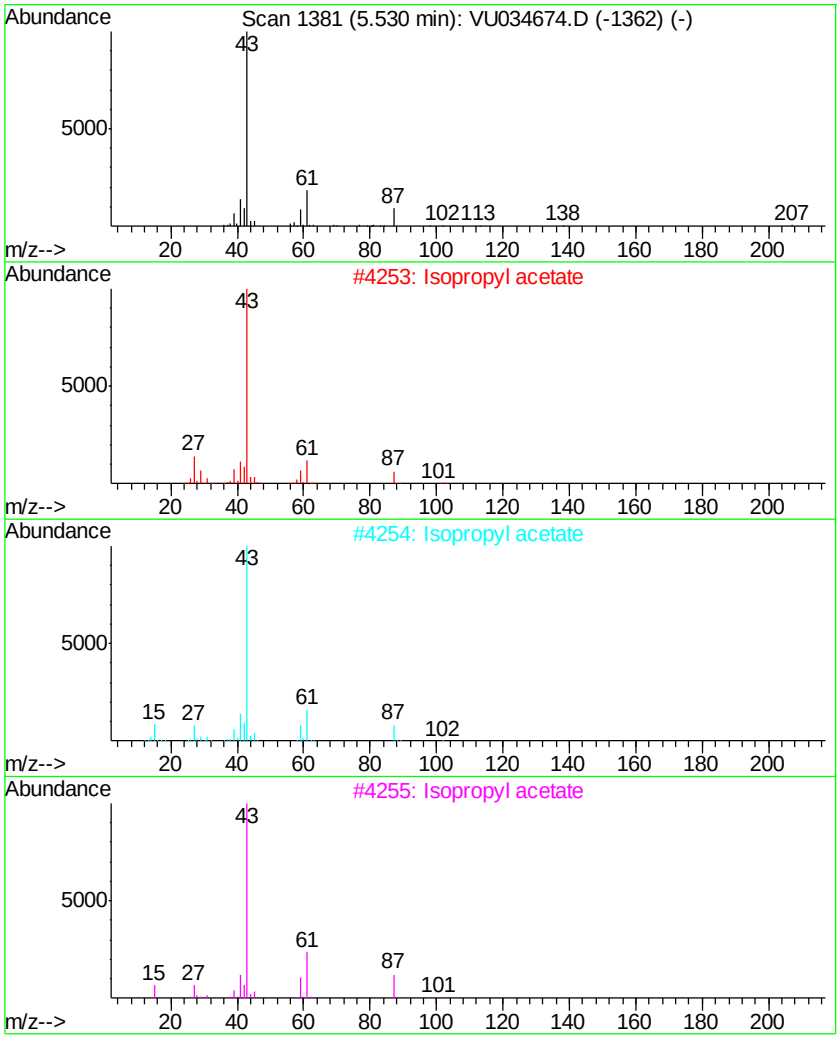
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

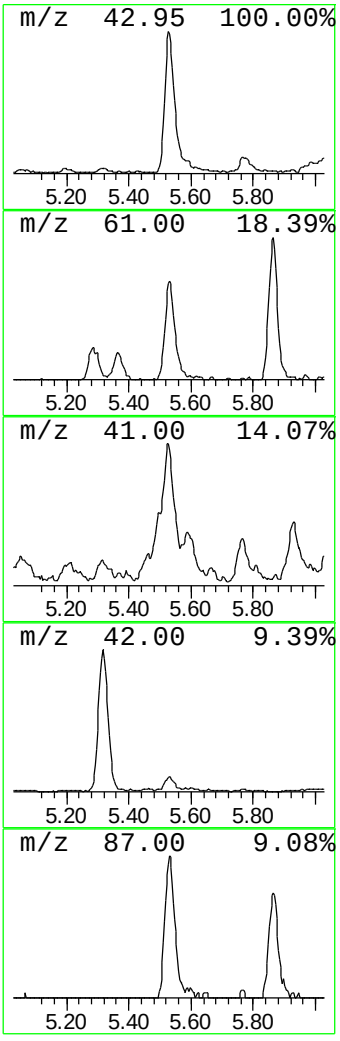
****

Peak Number 3 Isopropyl acetate Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.53	6.25 ug/L	178596	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropyl acetate	102	C5H10O2	000108-21-4	59
2	Isopropyl acetate	102	C5H10O2	000108-21-4	59
3	Isopropyl acetate	102	C5H10O2	000108-21-4	45
4	Isopropyl acetate	102	C5H10O2	000108-21-4	23
5	Acetaldehyde, O-ethyloxime-	87	C4H9NO	1000288-34-6	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034674.D
Acq On : 20 Sep 2019 02:06
Operator : JC/SP
Sample : K4895-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFDH5

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

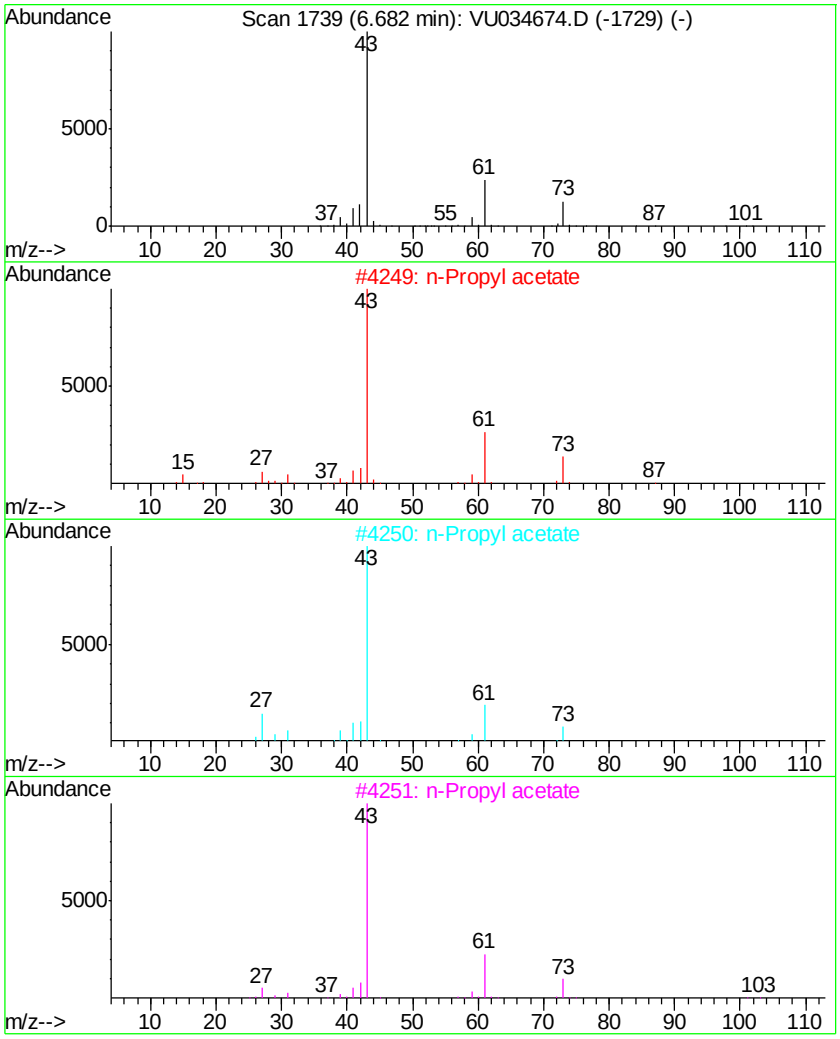
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

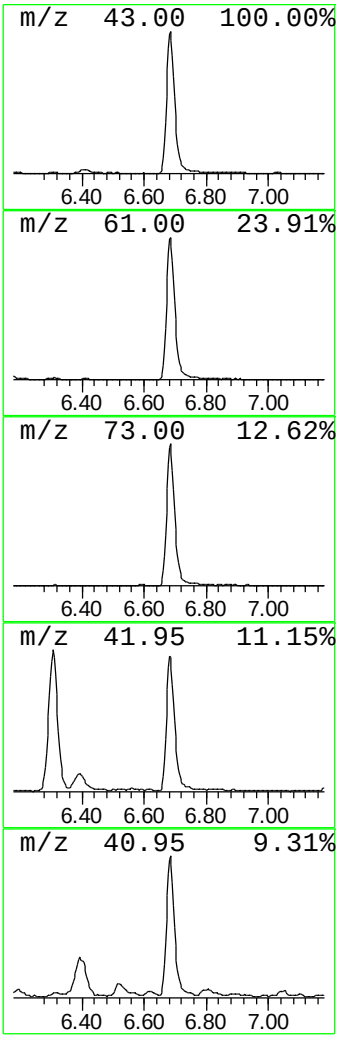
****

Peak Number 4 n-Propyl acetate Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	48.40 ug/L	1383050	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	Isobutylamine	73	C4H11N	000078-81-9	7
5	Isobutylamine	73	C4H11N	000078-81-9	5





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034674.D
Acq On : 20 Sep 2019 02:06
Operator : JC/SP
Sample : K4895-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFDH5

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

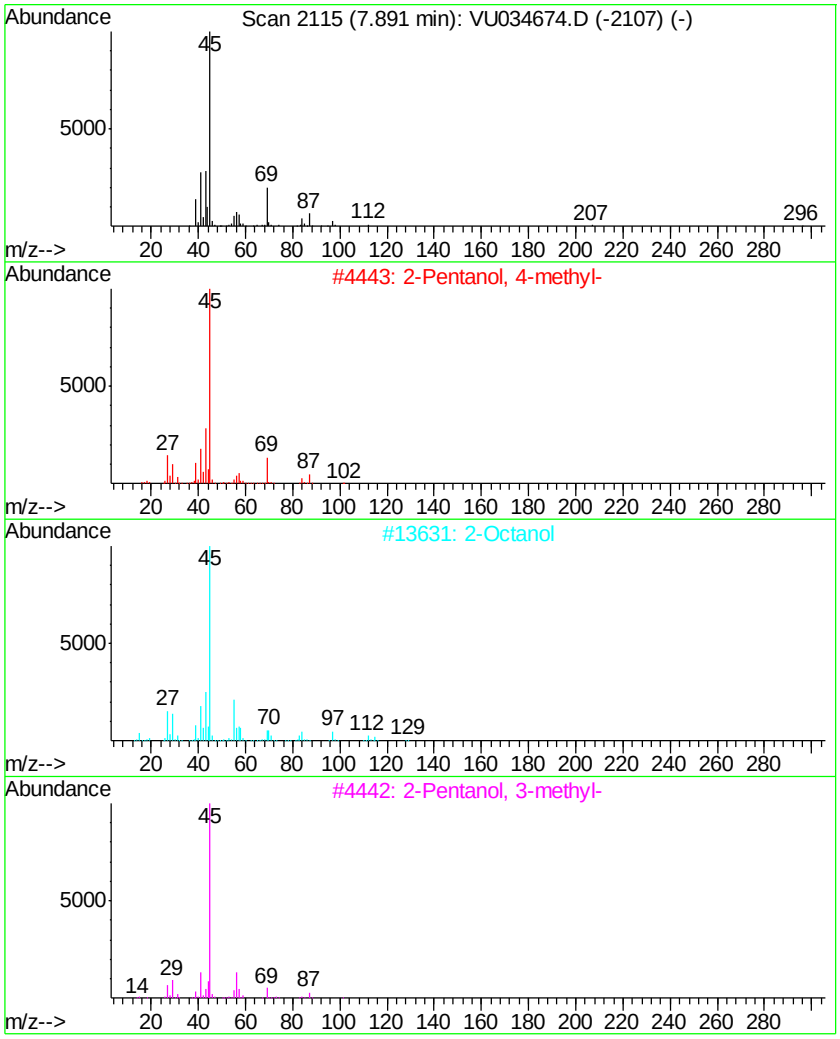
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

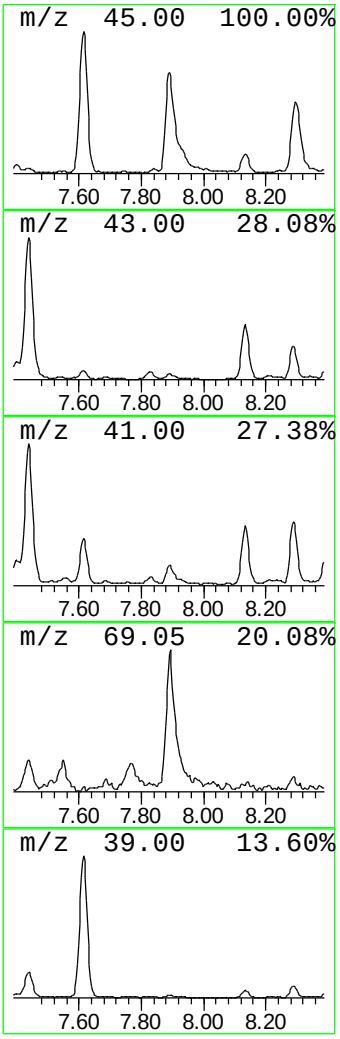
****

Peak Number 6 2-Pentanol, 4-methyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.89	6.77 ug/L	252247	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	83
2	2-Octanol	130	C8H18O	000123-96-6	78
3	2-Pentanol, 3-methyl-	102	C6H14O	000565-60-6	78
4	2-Hexanol	102	C6H14O	000626-93-7	78
5	2-Hexanol	102	C6H14O	000626-93-7	78





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034674.D
Acq On : 20 Sep 2019 02:06
Operator : JC/SP
Sample : K4895-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFDH5

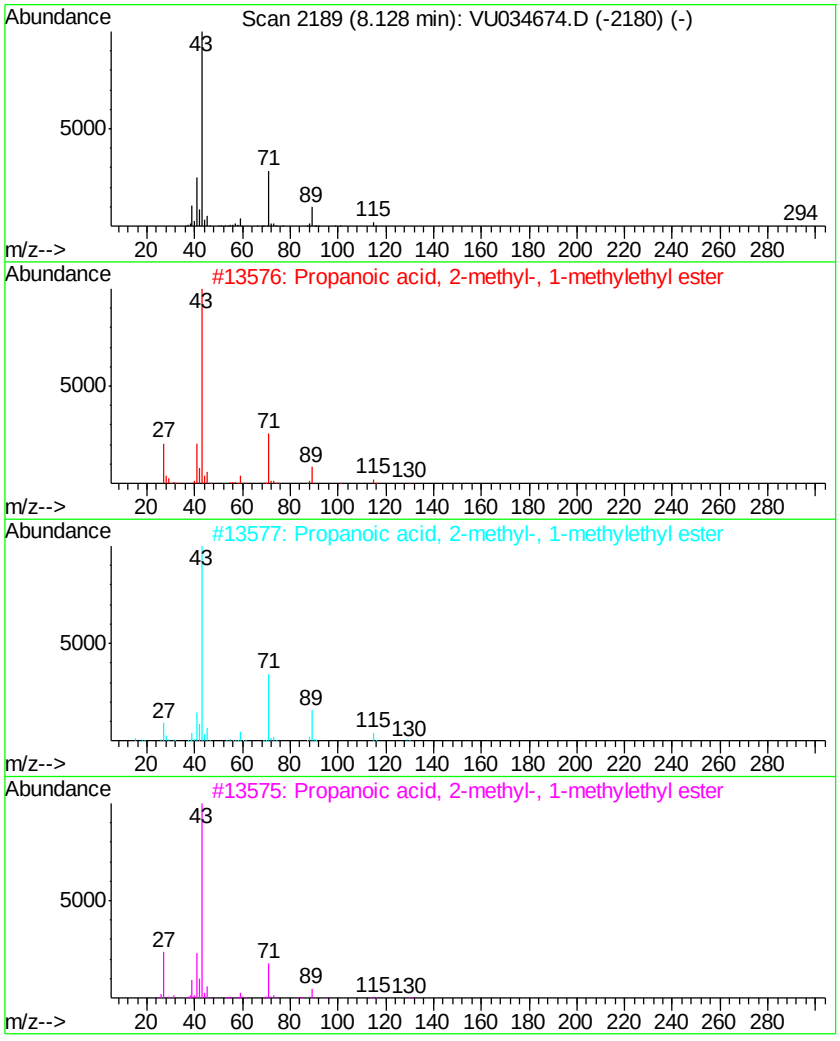
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

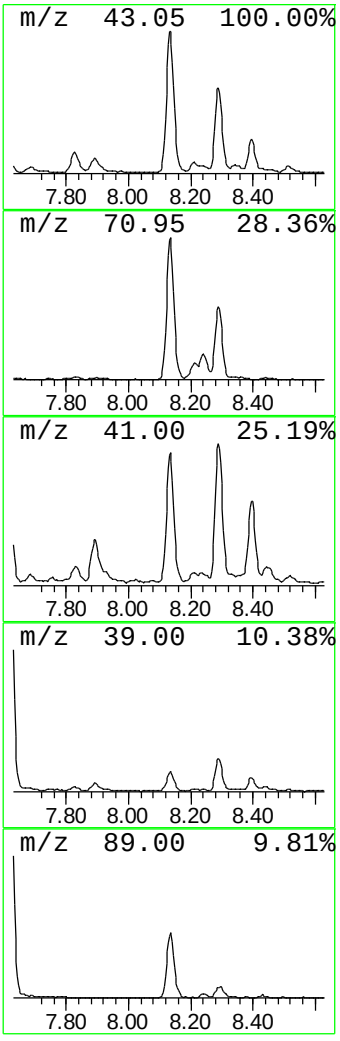
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Propanoic acid, 2-methyl-, ... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.13	12.87 ug/L	479465	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	53
3	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	53
4	N-Hydroxymethylacetamide	89	C3H7NO2	000625-51-4	45
5	Propanoic acid, 2-methyl-, penty...	158	C9H18O2	002445-72-9	25





Library Search Compound Report

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Data File : VU034674.D
Acq On : 20 Sep 2019 02:06
Operator : JC/SP
Sample : K4895-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFDH5

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

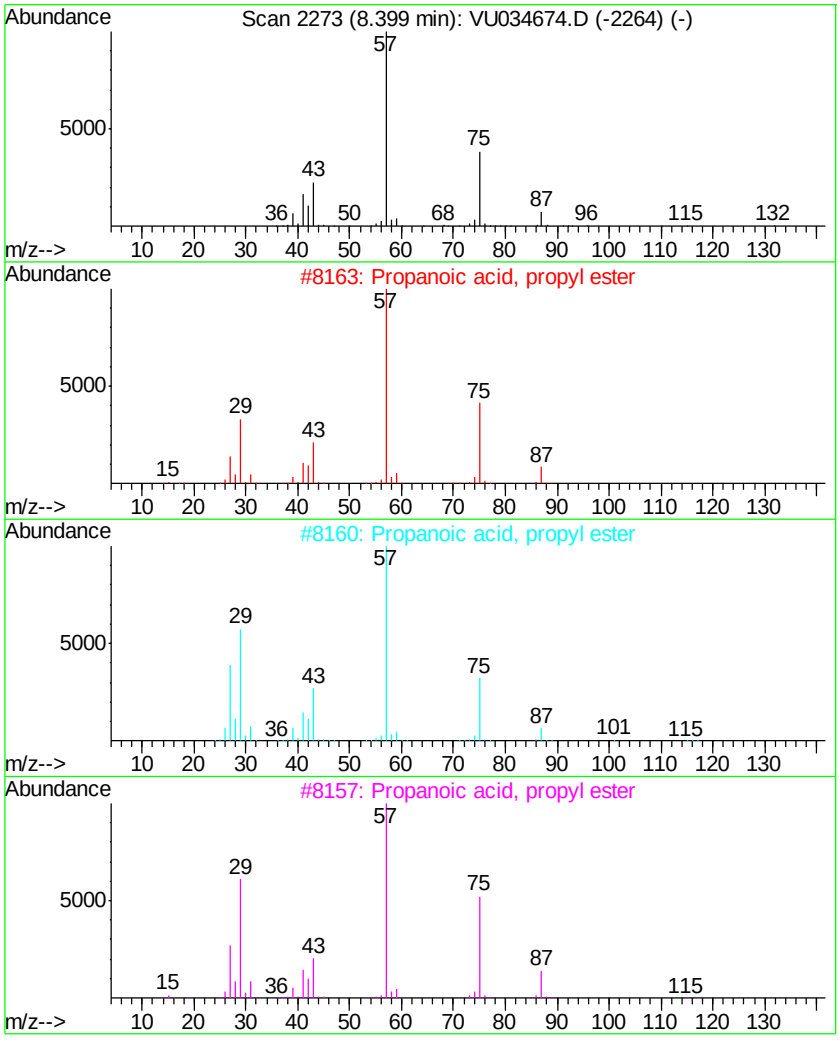
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

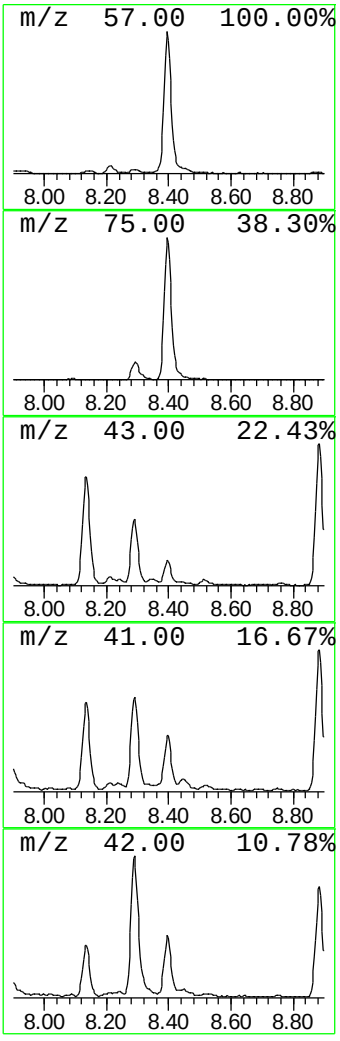
****

Peak Number 8 Propanoic acid, propyl ester Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.40	11.12 ug/L	414395	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	78
5	Propanoic acid, butyl ester	130	C7H14O2	000590-01-2	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034674.D
Acq On : 20 Sep 2019 02:06
Operator : JC/SP
Sample : K4895-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFDH5

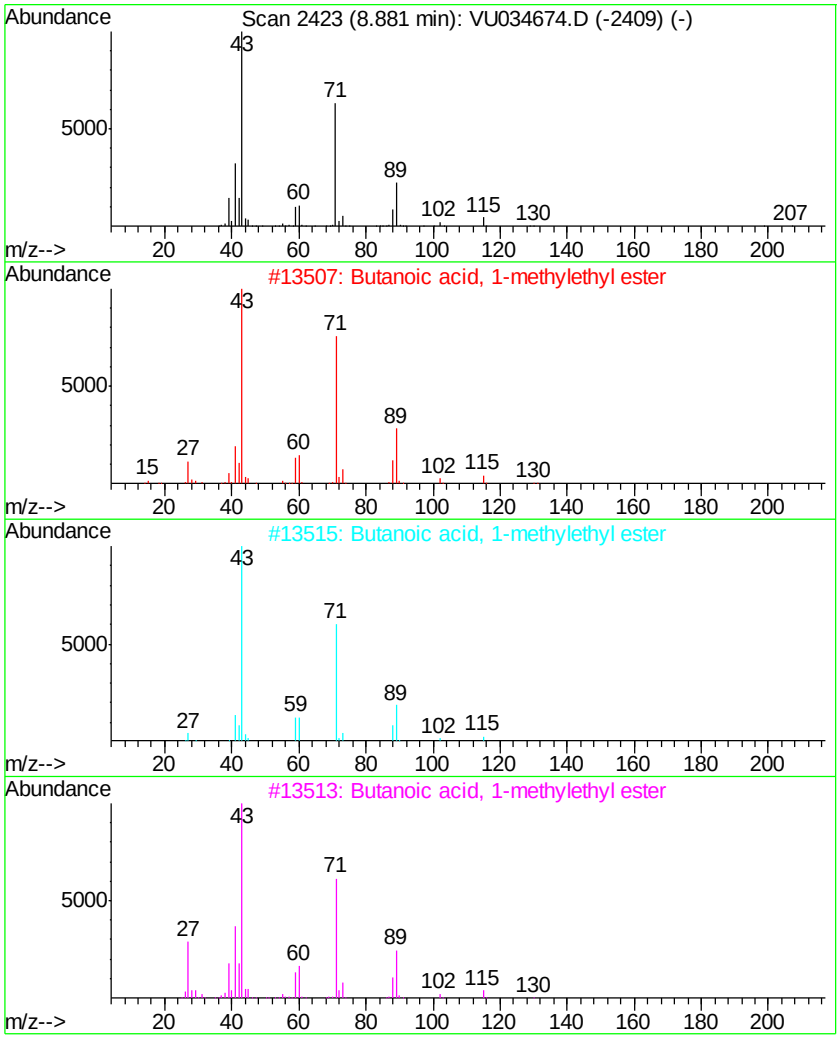
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

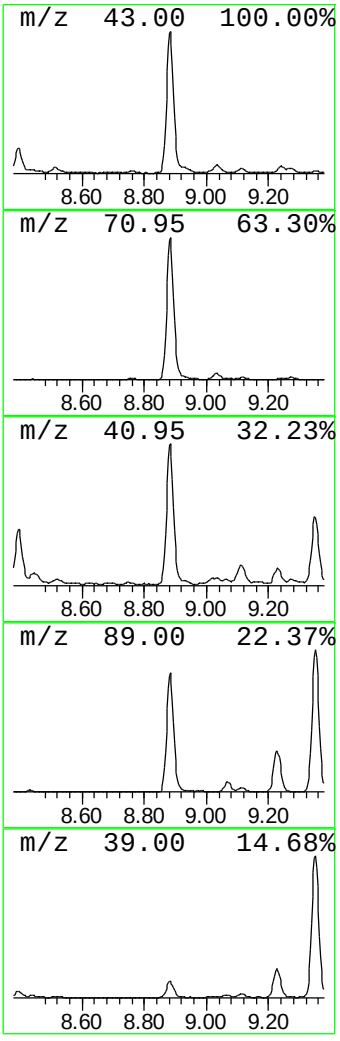
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Butanoic acid, 1-methylethy... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.88	23.84 ug/L	888026	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	95
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	78
5	Propanoic acid, 2-methyl-, propy...	130	C7H14O2	000644-49-5	72





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Data File : VU034674.D
Acq On : 20 Sep 2019 02:06
Operator : JC/SP
Sample : K4895-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFDH5

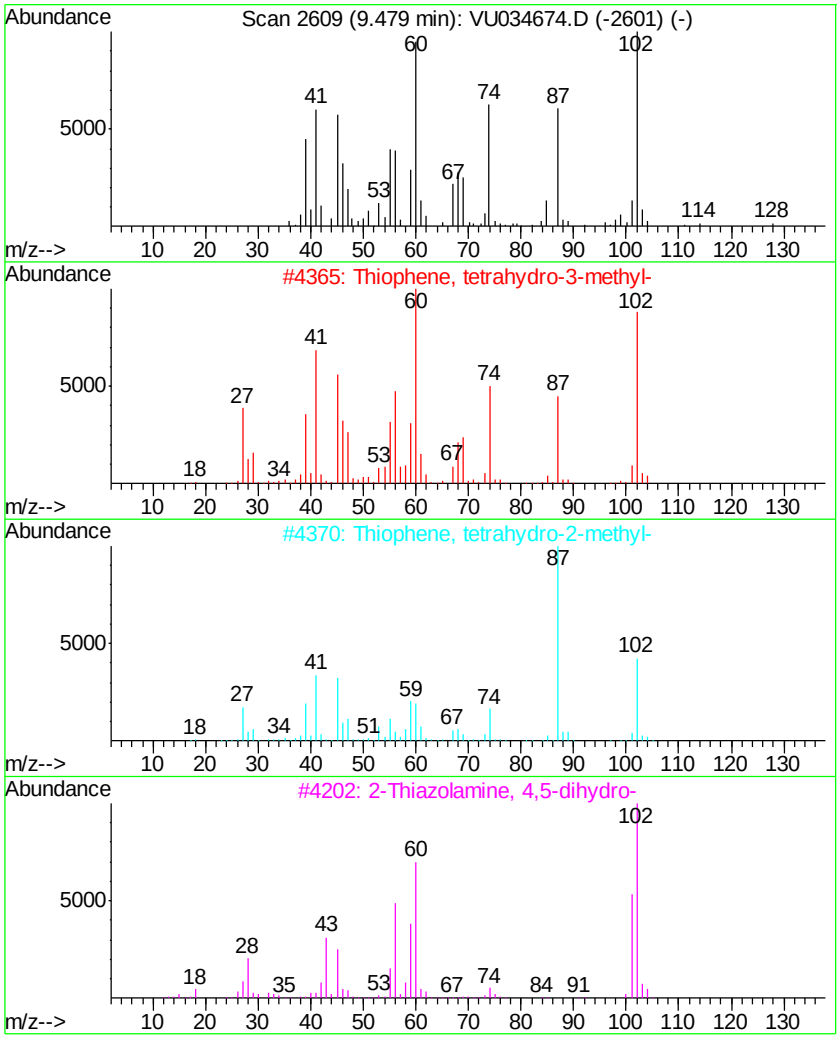
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

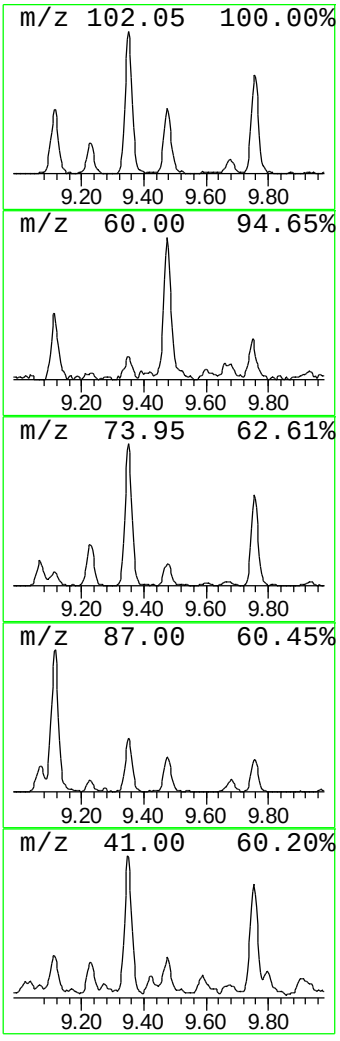
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Thiophene, tetrahydro-3-met... Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.48	3.29 ug/L	122699	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, tetrahydro-3-methyl-	102	C5H10S	004740-00-5	96
2	Thiophene, tetrahydro-2-methyl-	102	C5H10S	001795-09-1	38
3	2-Thiazolamine, 4,5-dihydro-	102	C3H6N2S	001779-81-3	38
4	Thiophene, tetrahydro-2-methyl-	102	C5H10S	001795-09-1	38
5	Methyl.alpha.d-rhamnopyranoside	178	C7H14O5	001128-40-1	35





Library Search Compound Report

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Data File : VU034674.D
Acq On : 20 Sep 2019 02:06
Operator : JC/SP
Sample : K4895-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFDH5

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

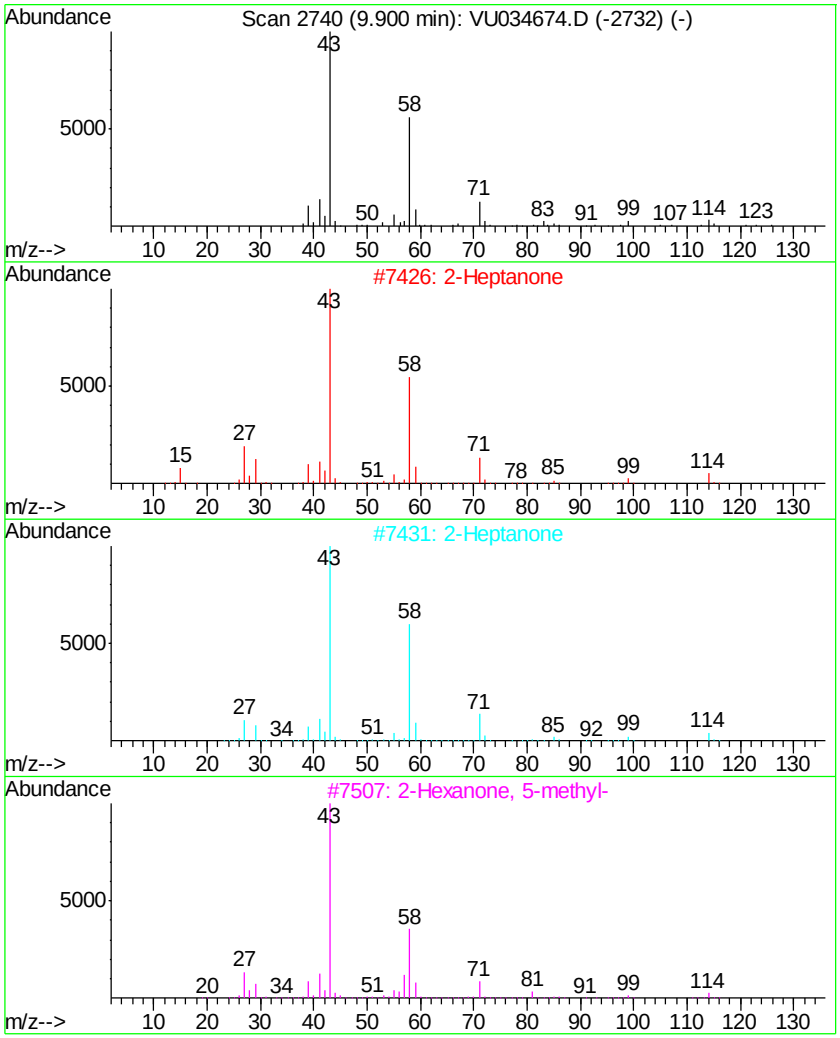
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

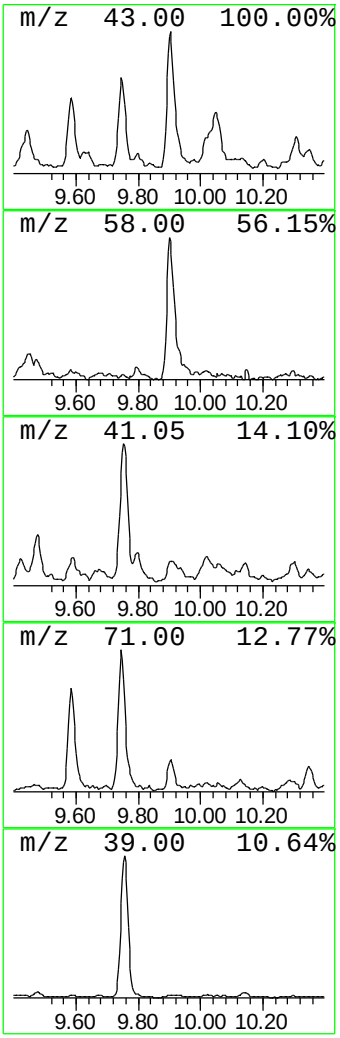
****

Peak Number 11 2-Heptanone Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.90	3.33 ug/L	124123	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Heptanone	114	C7H14O	000110-43-0	91
2	2-Heptanone	114	C7H14O	000110-43-0	91
3	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	86
4	2-Heptanone	114	C7H14O	000110-43-0	80
5	2-Heptanone	114	C7H14O	000110-43-0	59





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Data File : VU034674.D
Acq On : 20 Sep 2019 02:06
Operator : JC/SP
Sample : K4895-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFDH5

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

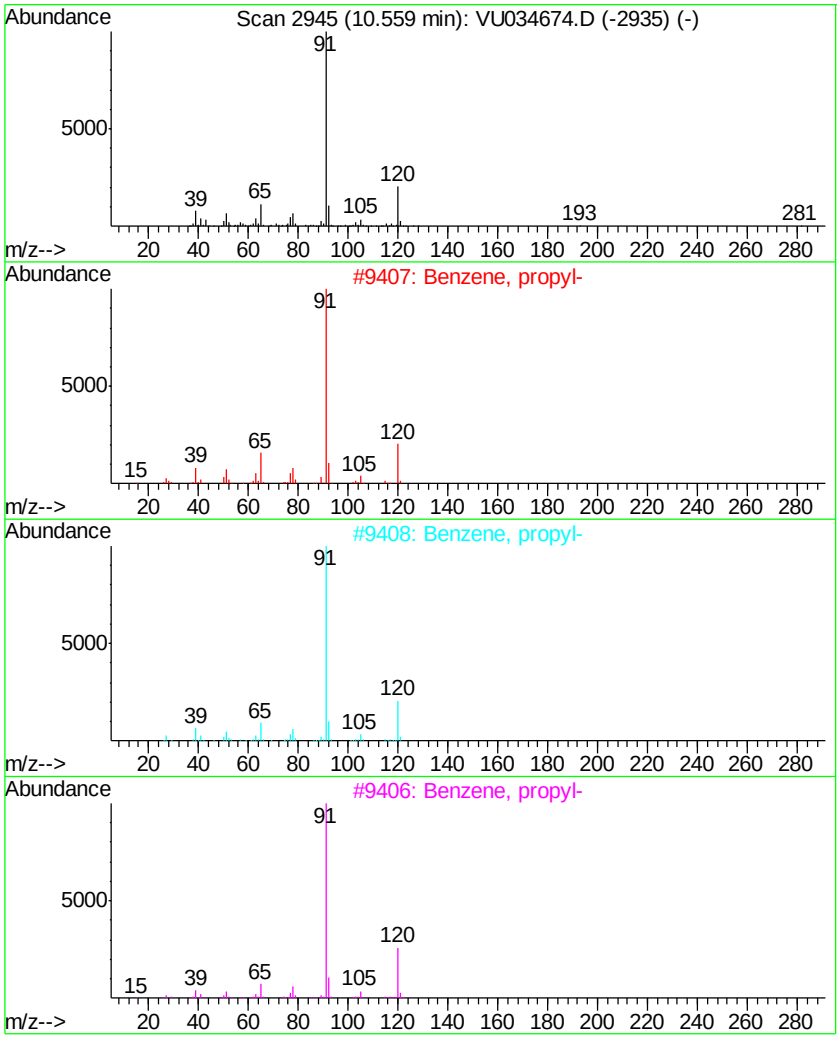
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

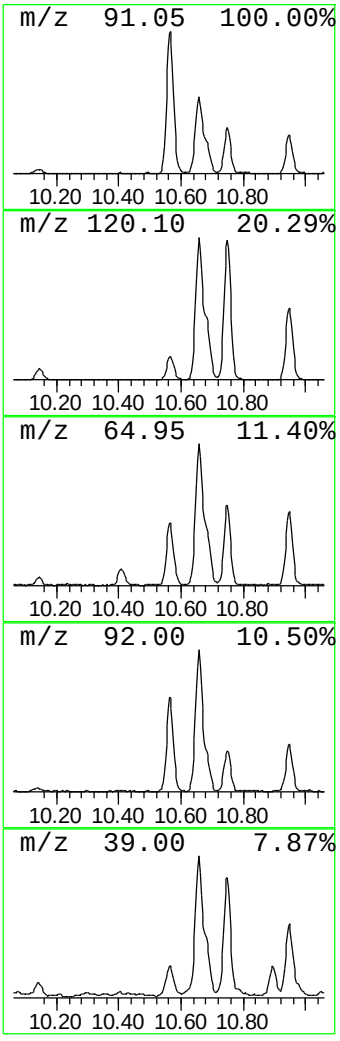
****

Peak Number 12 Benzene, propyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.56	13.05 ug/L	488592	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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Data File : VU034674.D
Acq On : 20 Sep 2019 02:06
Operator : JC/SP
Sample : K4895-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFDH5

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

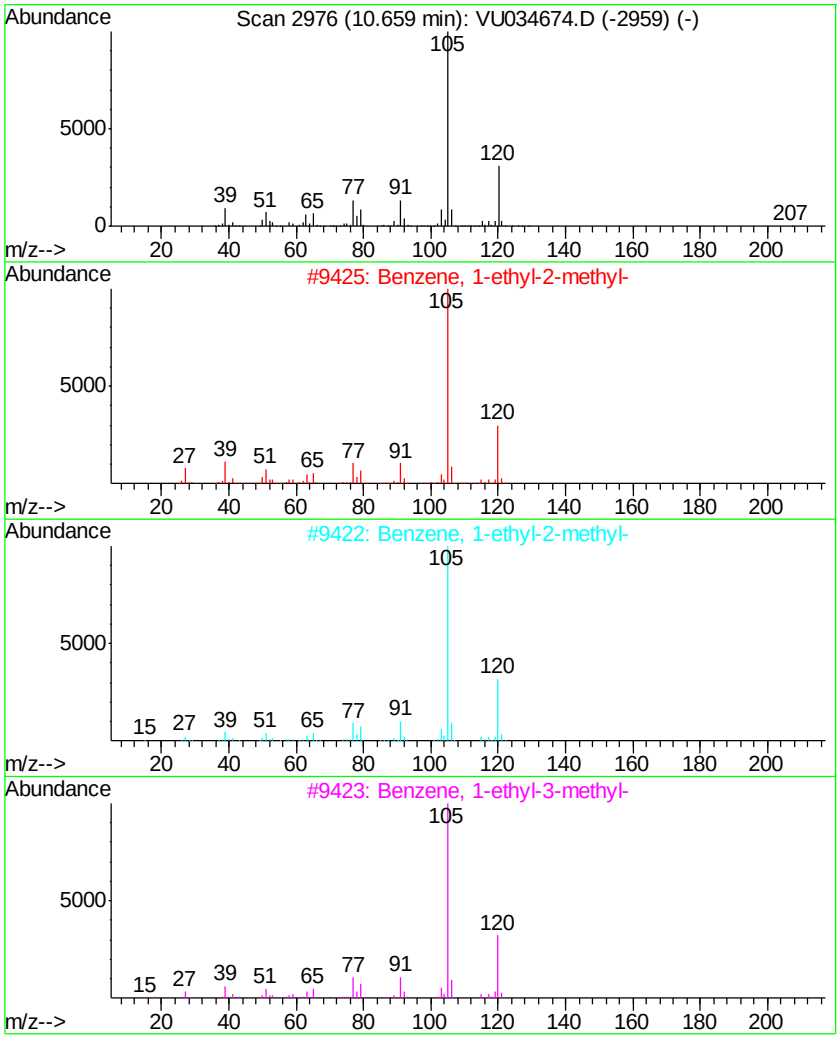
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

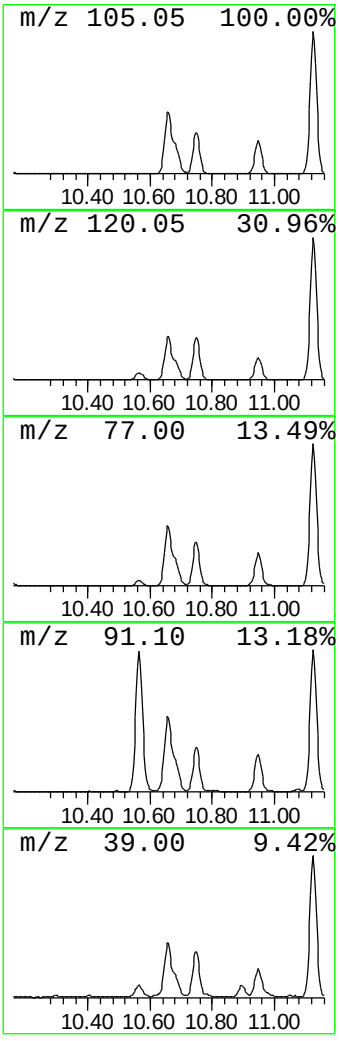
****

Peak Number 13 Benzene, 1-ethyl-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	81.21 ug/L	3040970	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-4-methyl-	120	C9H12	000622-96-8	91





Library Search Compound Report

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Data File : VU034674.D
Acq On : 20 Sep 2019 02:06
Operator : JC/SP
Sample : K4895-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFDH5

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

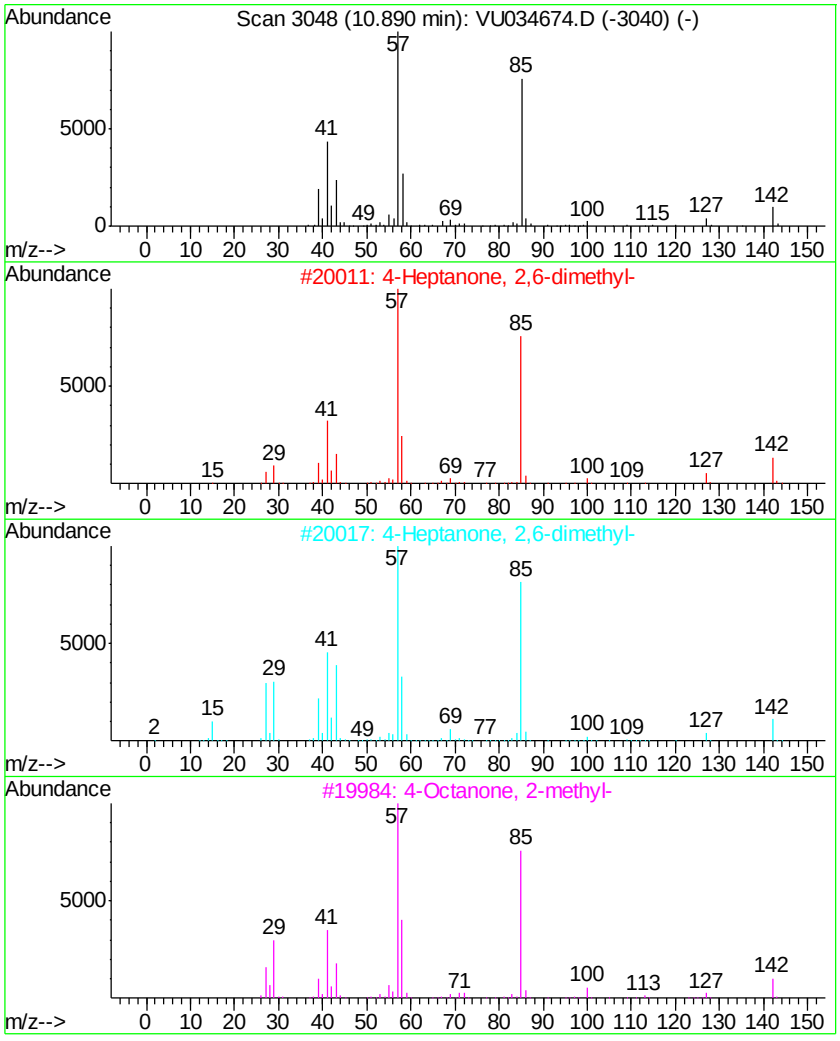
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

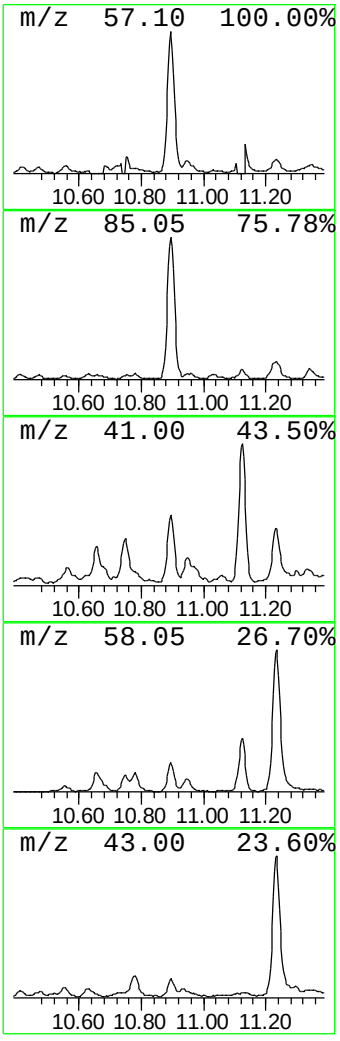
****

Peak Number 15 4-Heptanone, 2,6-dimethyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.89	7.88 ug/L	294951	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Heptanone, 2,6-dimethyl-	142	C9H18O	000108-83-8	91
2	4-Heptanone, 2,6-dimethyl-	142	C9H18O	000108-83-8	91
3	4-Octanone, 2-methyl-	142	C9H18O	007492-38-8	86
4	4-Octanone, 2-methyl-	142	C9H18O	007492-38-8	80
5	t-Butyl isobutyl ketone	142	C9H18O	014705-50-1	72





Library Search Compound Report

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Data File : VU034674.D
Acq On : 20 Sep 2019 02:06
Operator : JC/SP
Sample : K4895-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFDH5

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

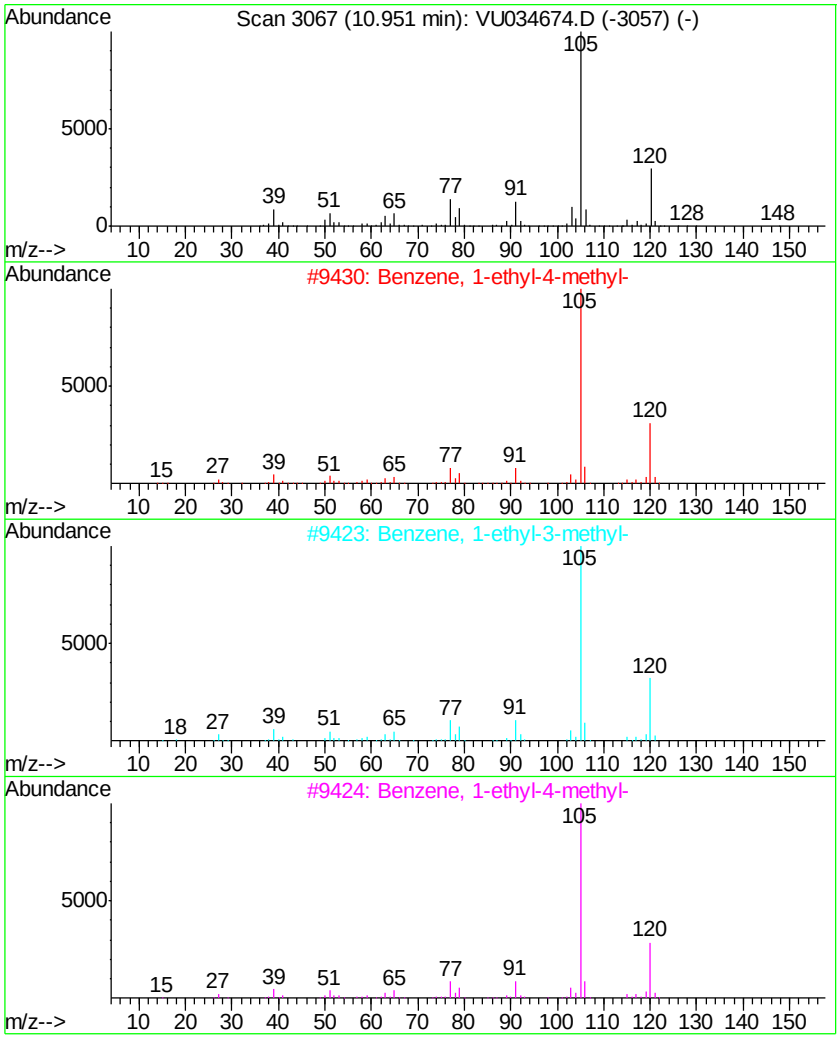
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

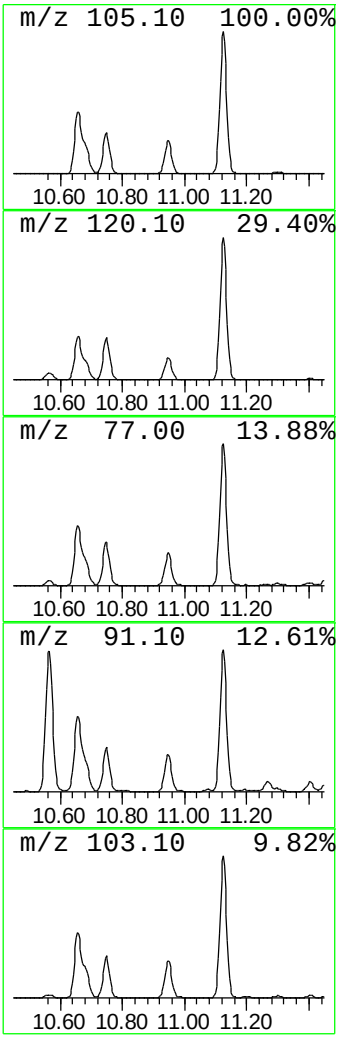
****

Peak Number 16 Benzene, 1-ethyl-4-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.95	34.39 ug/L	1287630	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	91
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	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	Mesitylene	120	C9H12	000108-67-8	91





Library Search Compound Report

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Data File : VU034674.D
Acq On : 20 Sep 2019 02:06
Operator : JC/SP
Sample : K4895-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFDH5

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

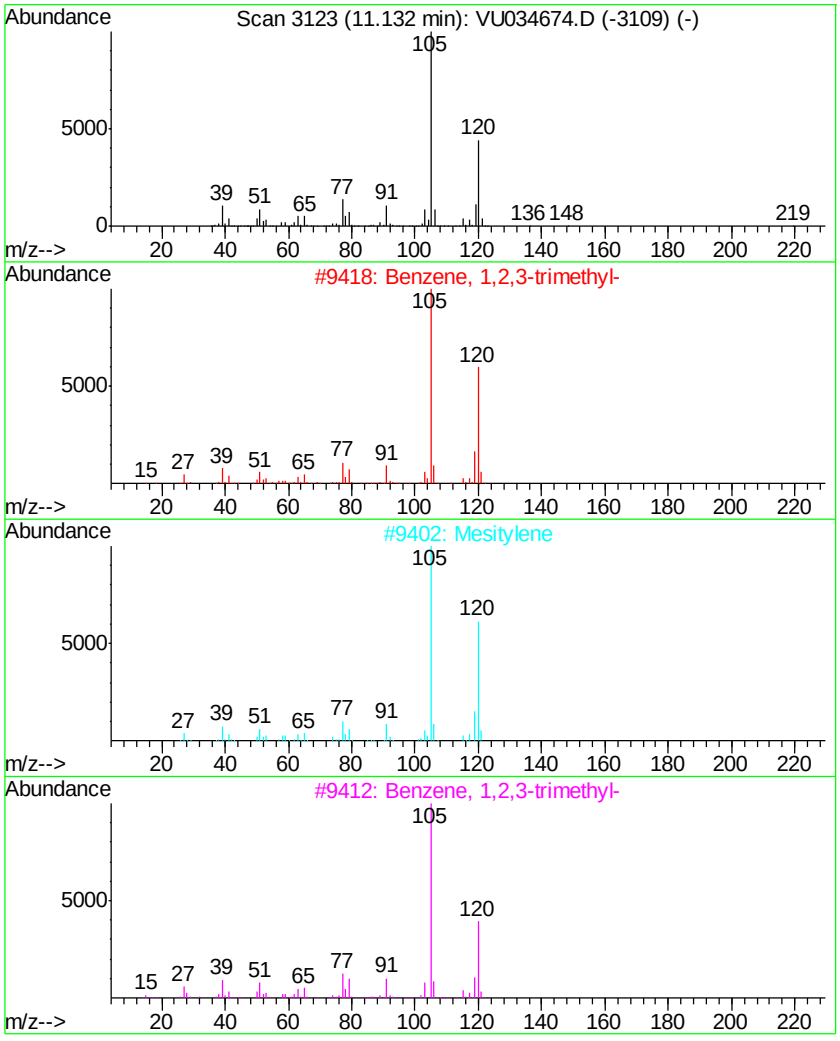
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

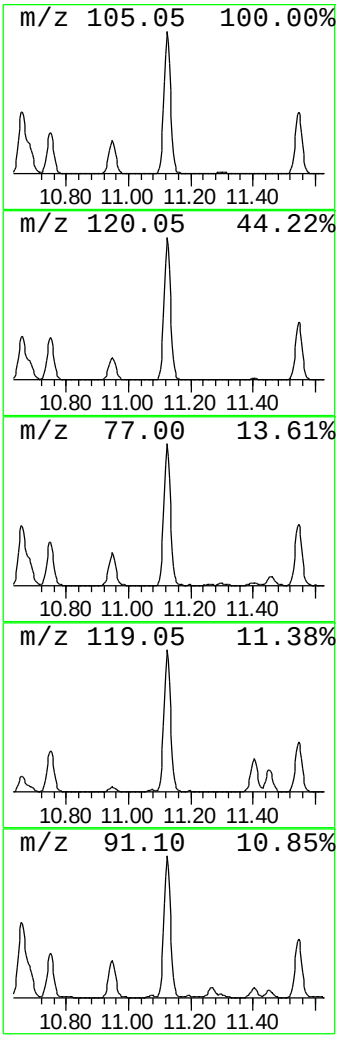
****

Peak Number 17 Benzene, 1,2,3-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.13	142.90 ug/L	5351160	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Mesitylene	120	C9H12	000108-67-8	94
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	93





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Data File : VU034674.D
Acq On : 20 Sep 2019 02:06
Operator : JC/SP
Sample : K4895-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFDH5

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

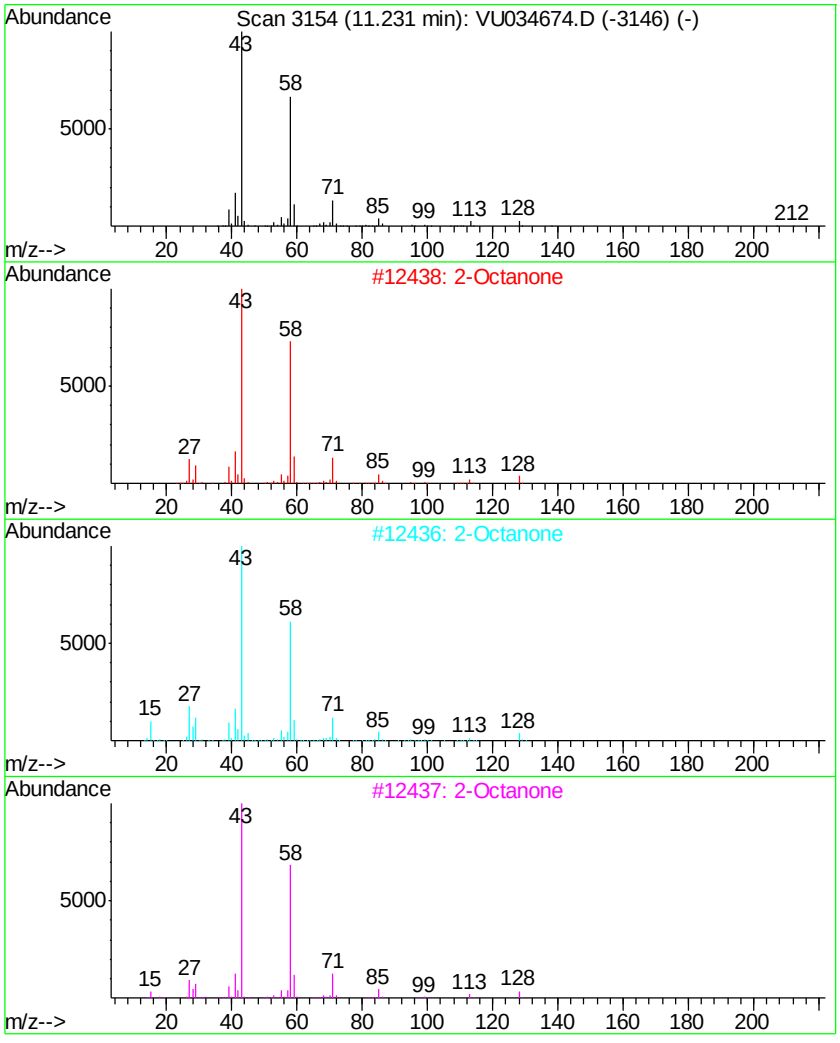
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

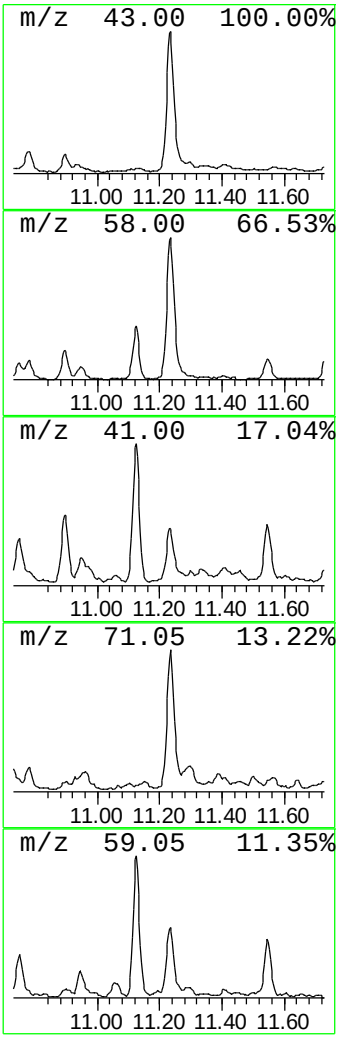
****

Peak Number 18 2-Octanone Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	12.40 ug/L	464453	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Octanone	128	C8H16O	000111-13-7	91
2	2-Octanone	128	C8H16O	000111-13-7	91
3	2-Octanone	128	C8H16O	000111-13-7	91
4	2-Octanone	128	C8H16O	000111-13-7	83
5	2-Octanone	128	C8H16O	000111-13-7	80





Library Search Compound Report

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Acq On : 20 Sep 2019 02:06
Operator : JC/SP
Sample : K4895-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFDH5

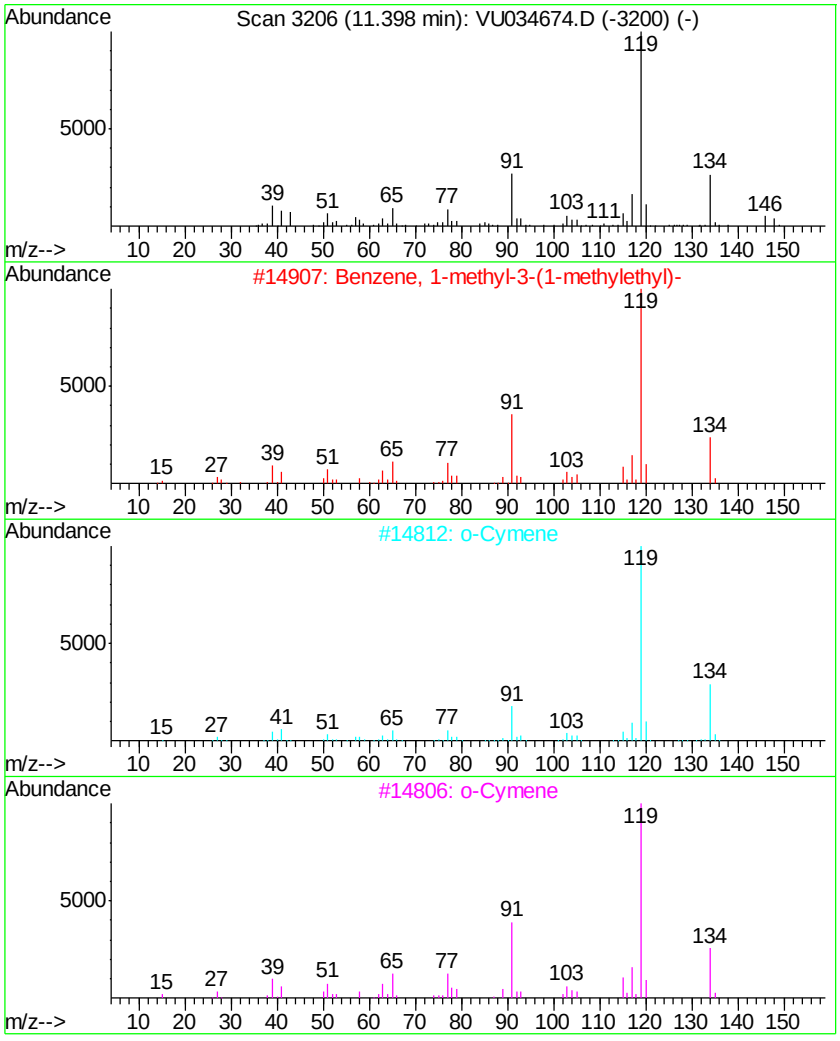
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

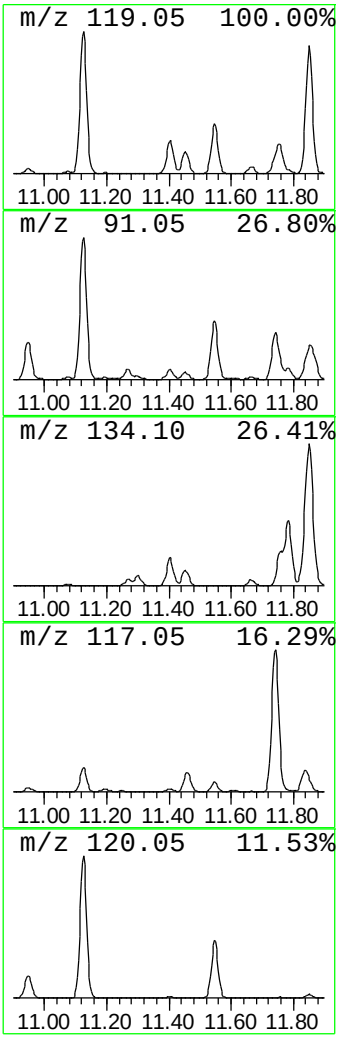
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Benzene, 1-methyl-3-(1-meth... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	3.74 ug/L	139871	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	90
2	o-Cymene	134	C10H14	000527-84-4	90
3	o-Cymene	134	C10H14	000527-84-4	90
4	p-Cymene	134	C10H14	000099-87-6	90
5	p-Cymene	134	C10H14	000099-87-6	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034674.D
Acq On : 20 Sep 2019 02:06
Operator : JC/SP
Sample : K4895-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFDH5

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

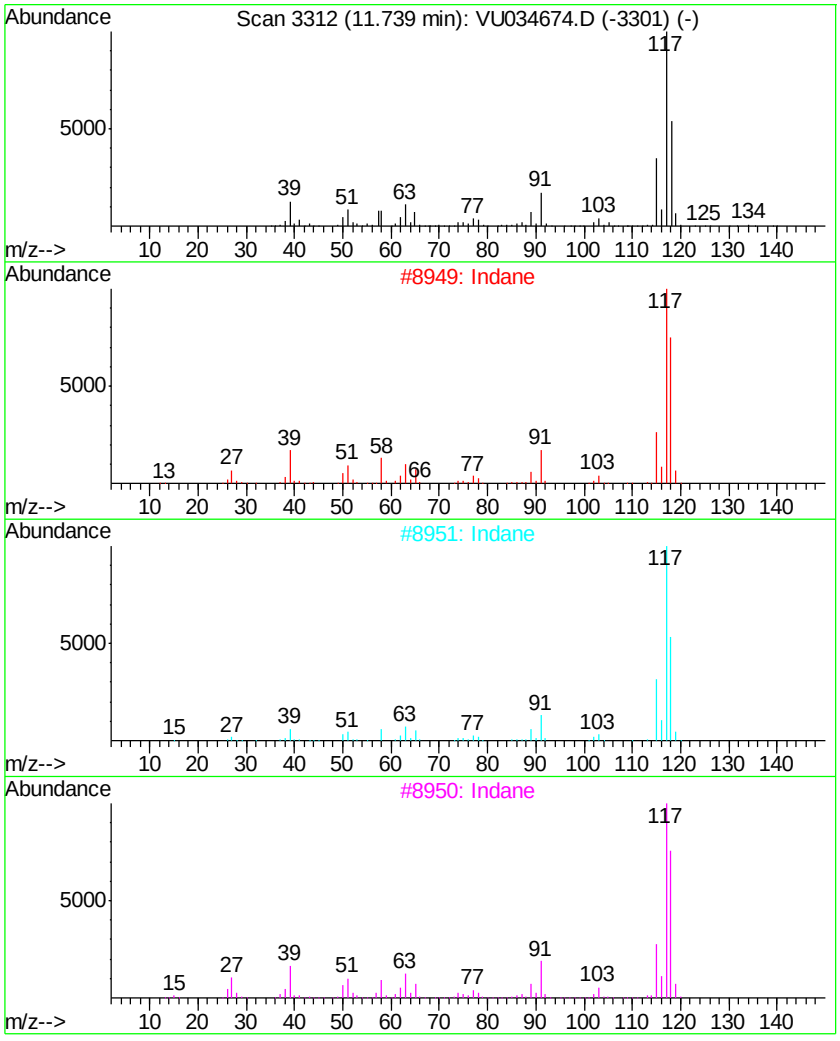
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

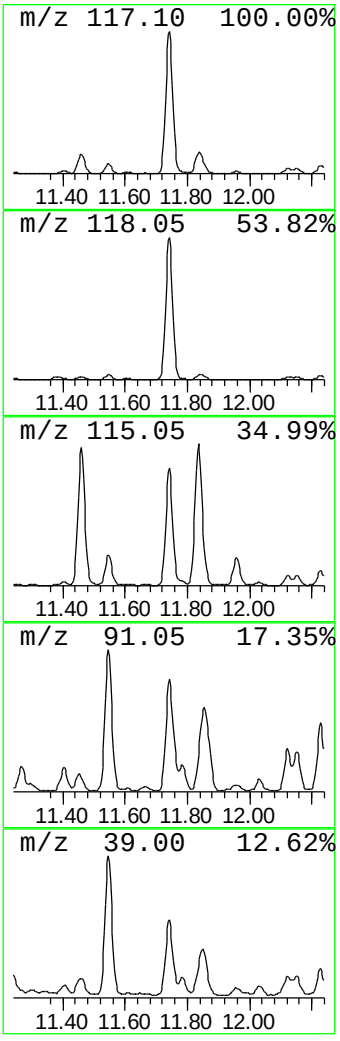
****

Peak Number 21 Indane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	41.27 ug/L	1545400	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	90
3	Indane	118	C9H10	000496-11-7	90
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	81
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	81





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034674.D
Acq On : 20 Sep 2019 02:06
Operator : JC/SP
Sample : K4895-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFDH5

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

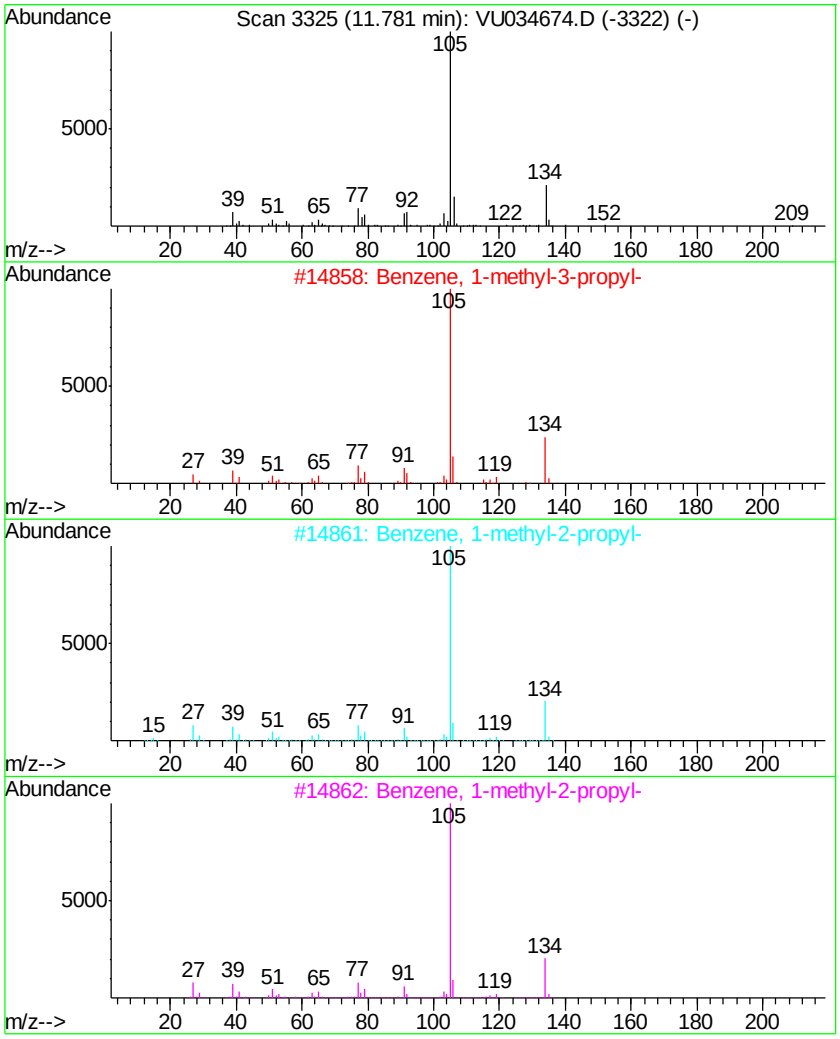
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

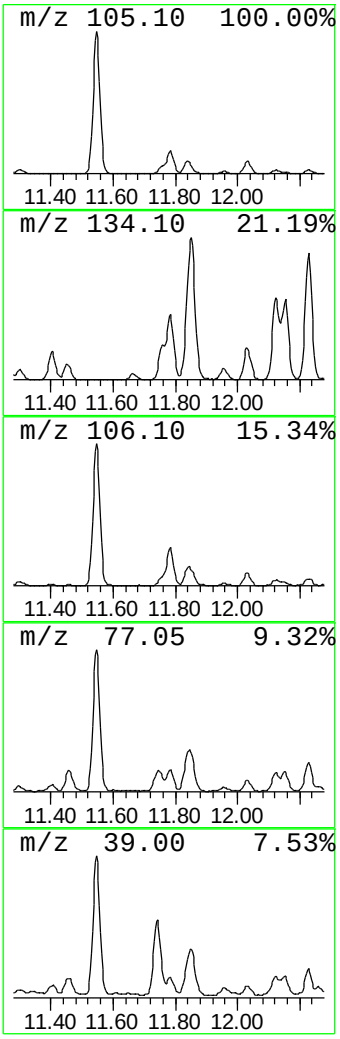
****

Peak Number 22 Benzene, 1-methyl-3-propyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	8.28 ug/L	310025	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	90
2	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	87
3	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	87
4	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	86
5	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	86





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034674.D
Acq On : 20 Sep 2019 02:06
Operator : JC/SP
Sample : K4895-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFDH5

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

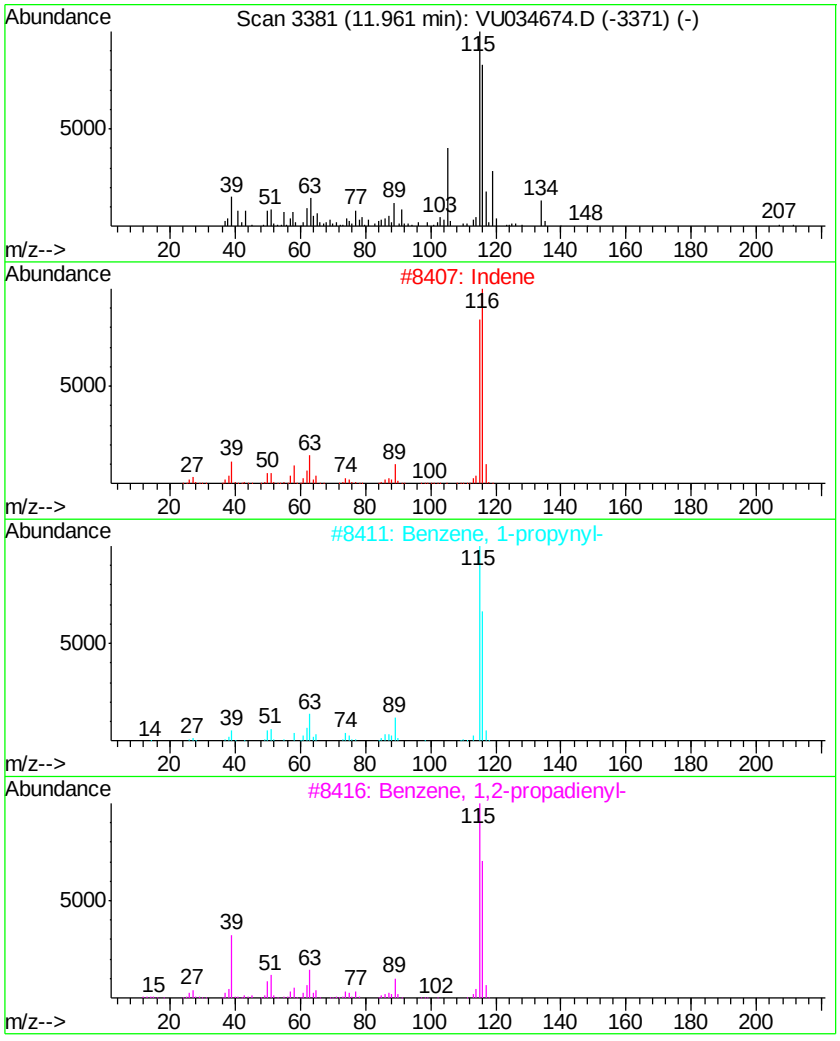
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

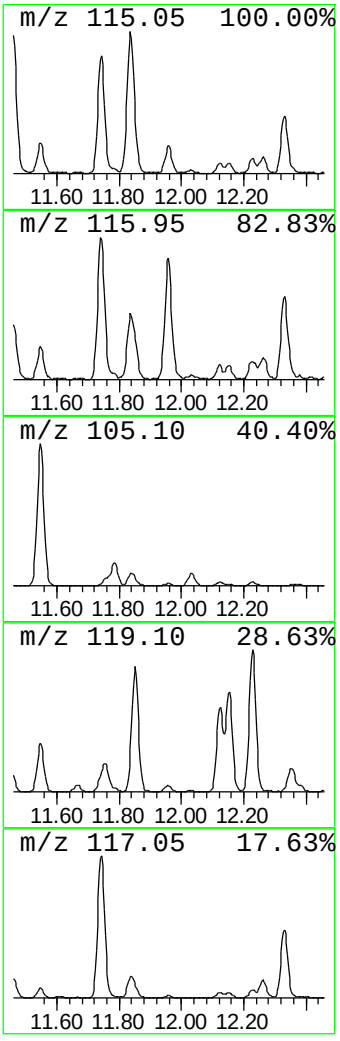
****

Peak Number 23 Indene Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	5.02 ug/L	188150	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	87
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	81
3	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	81
4	2-Methylphenylacetylene	116	C9H8	000766-47-2	74
5	1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	70





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034674.D
Acq On : 20 Sep 2019 02:06
Operator : JC/SP
Sample : K4895-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFDH5

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

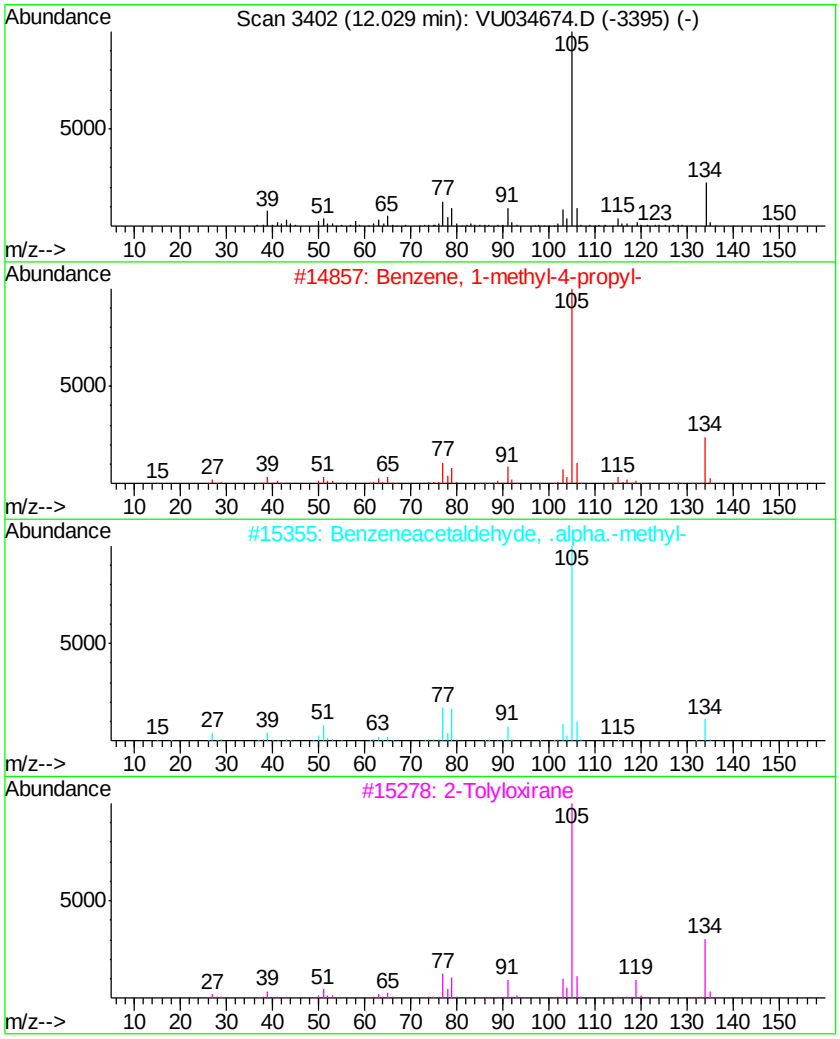
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

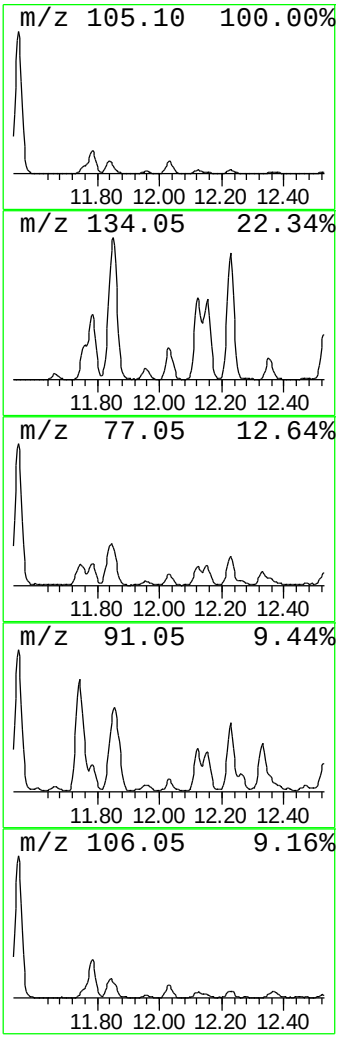
****

Peak Number 24 Benzene, 1-methyl-4-propyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	5.40 ug/L	202093	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	91
2	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	91
3	2-Tolyloxirane	134	C9H10O	002783-26-8	87
4	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	87
5	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034674.D
Acq On : 20 Sep 2019 02:06
Operator : JC/SP
Sample : K4895-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFDH5

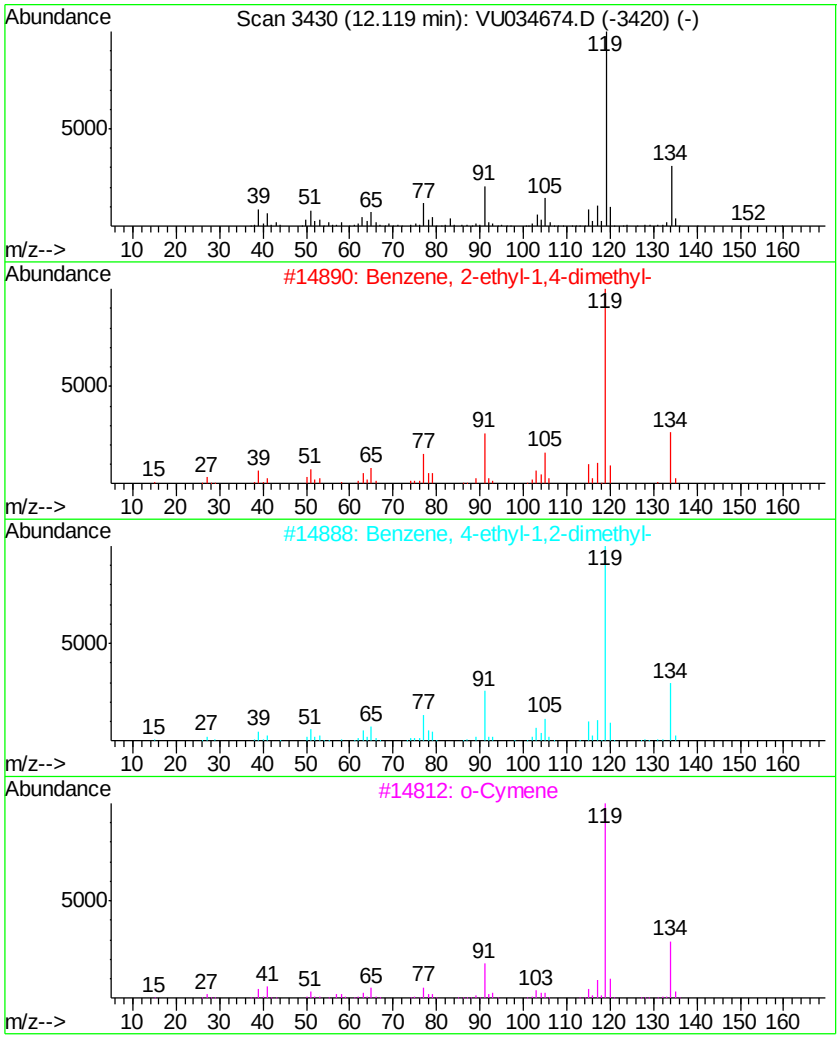
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

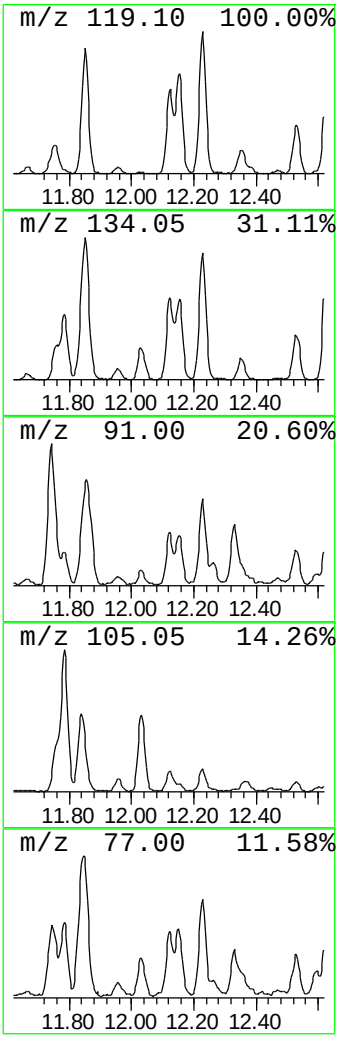
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	11.48 ug/L	430045	1,4-Dichlorobenzene-d4	11.46

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034674.D
Acq On : 20 Sep 2019 02:06
Operator : JC/SP
Sample : K4895-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFDH5

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

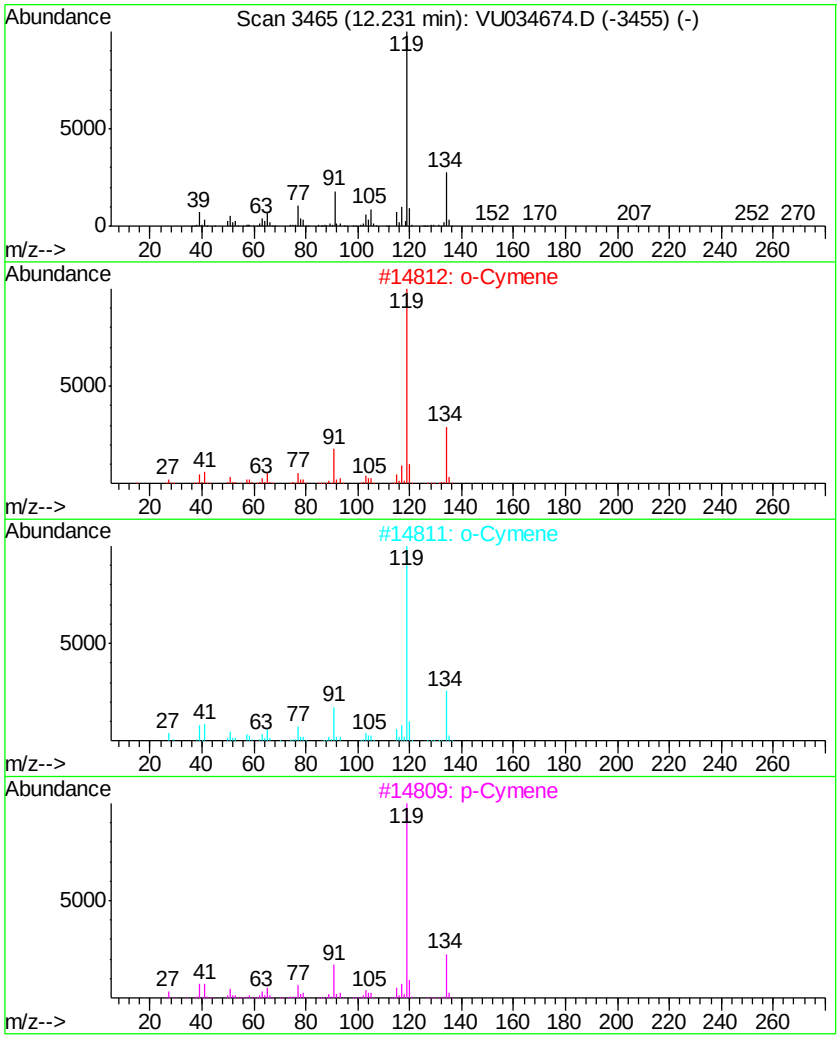
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

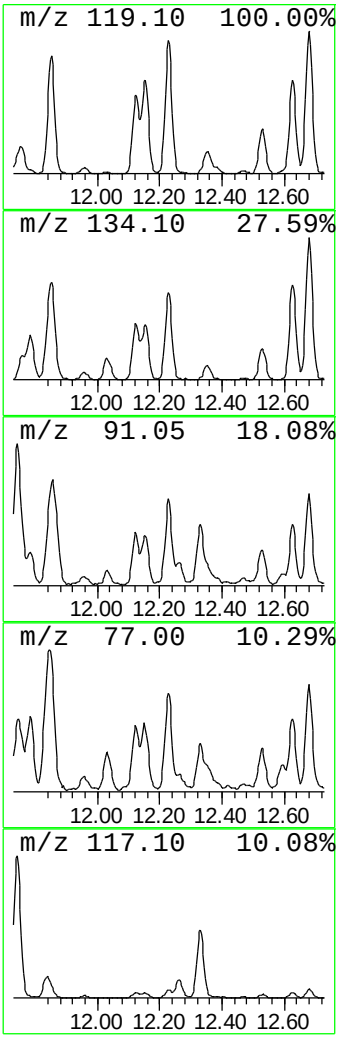
****

Peak Number 27 o-Cymene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	15.57 ug/L	583075	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	o-Cymene	134	C10H14	000527-84-4	95
3	p-Cymene	134	C10H14	000099-87-6	95
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034674.D
Acq On : 20 Sep 2019 02:06
Operator : JC/SP
Sample : K4895-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFDH5

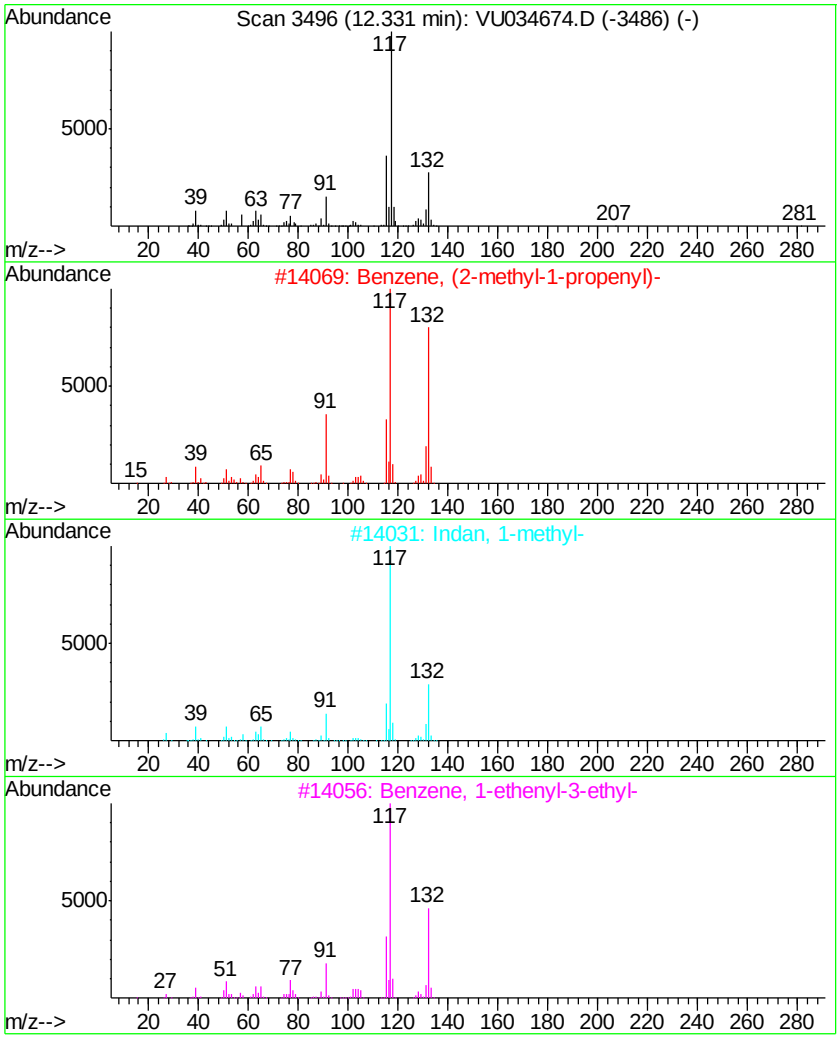
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

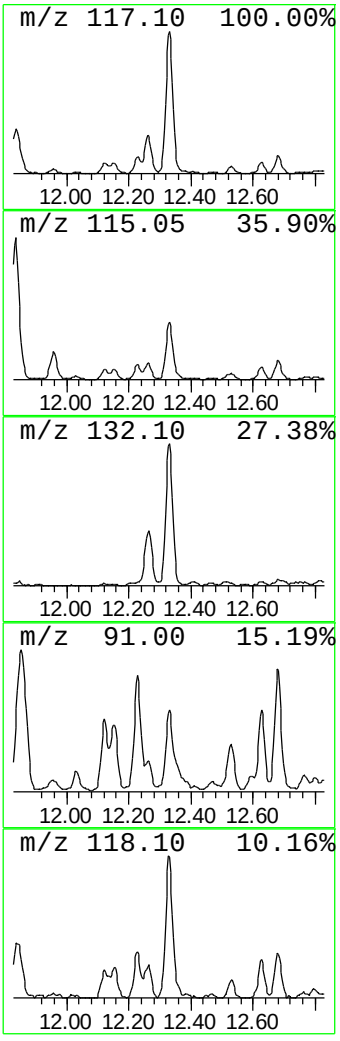
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 Benzene, (2-methyl-1-propen... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	18.37 ug/L	688029	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	Indan, 1-methyl-	132	C10H12	000767-58-8	90
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90
4	Indan, 1-methyl-	132	C10H12	000767-58-8	87
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034674.D
Acq On : 20 Sep 2019 02:06
Operator : JC/SP
Sample : K4895-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFDH5

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

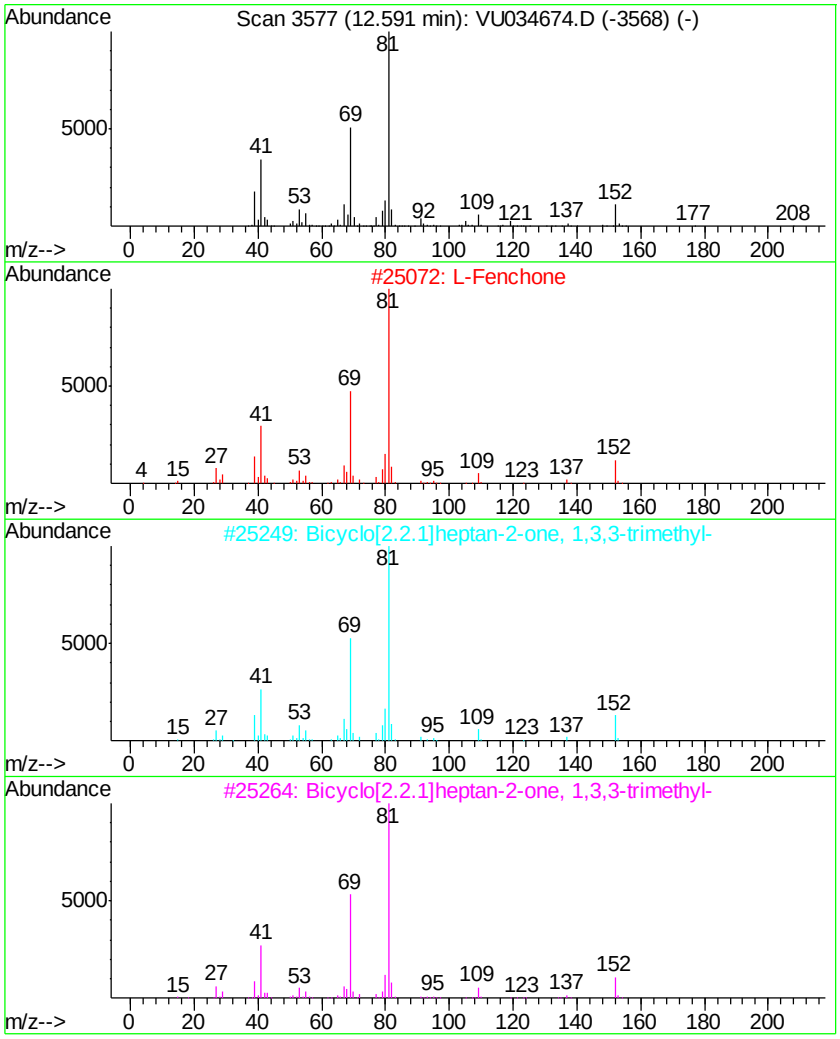
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

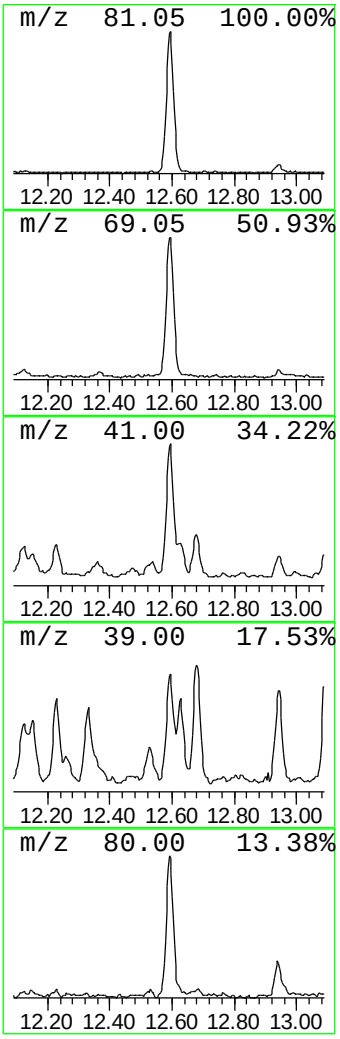
****

Peak Number 30 L-Fenchone Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	11.94 ug/L	447092	1,4-Dichlorobenzene-d4	11.46

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034674.D
Acq On : 20 Sep 2019 02:06
Operator : JC/SP
Sample : K4895-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFDH5

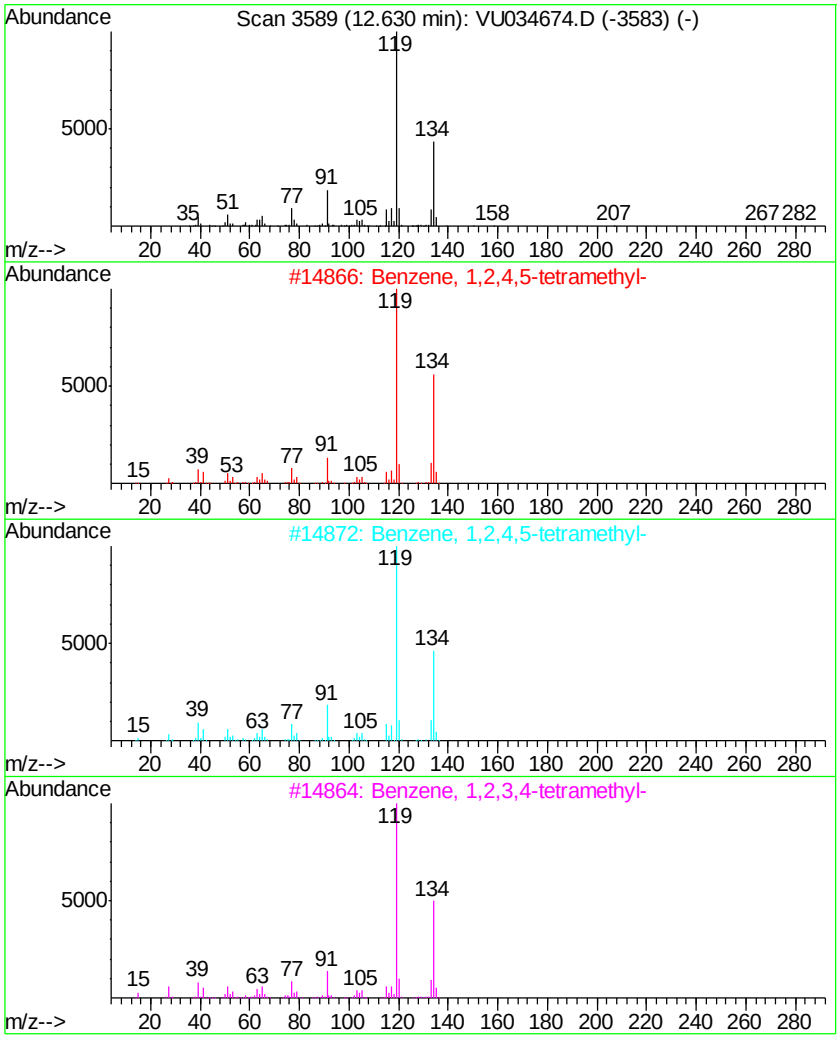
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

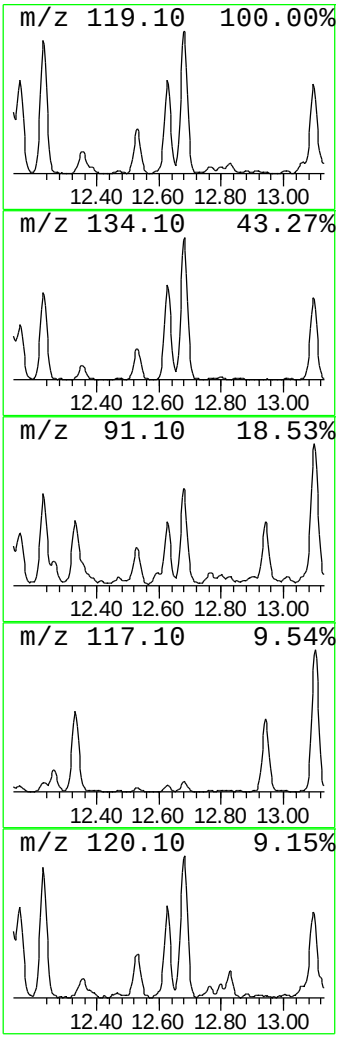
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 31 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	11.90 ug/L	445534	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, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034674.D
Acq On : 20 Sep 2019 02:06
Operator : JC/SP
Sample : K4895-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFDH5

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

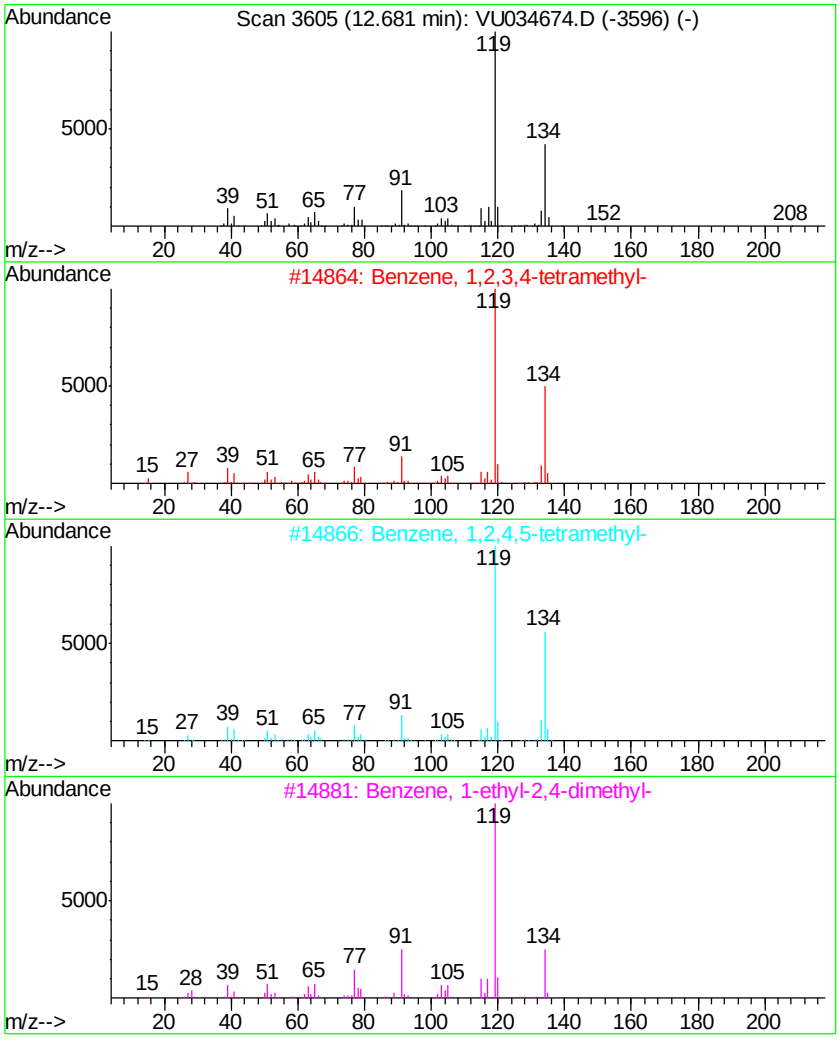
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

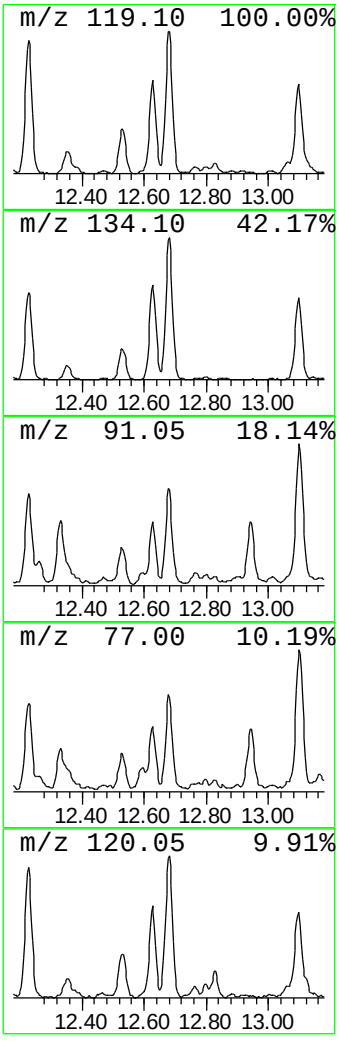
****

Peak Number 32 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.68	19.37 ug/L	725232	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, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
4	o-Cymene	134	C10H14	000527-84-4	94
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034674.D
Acq On : 20 Sep 2019 02:06
Operator : JC/SP
Sample : K4895-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFDH5

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

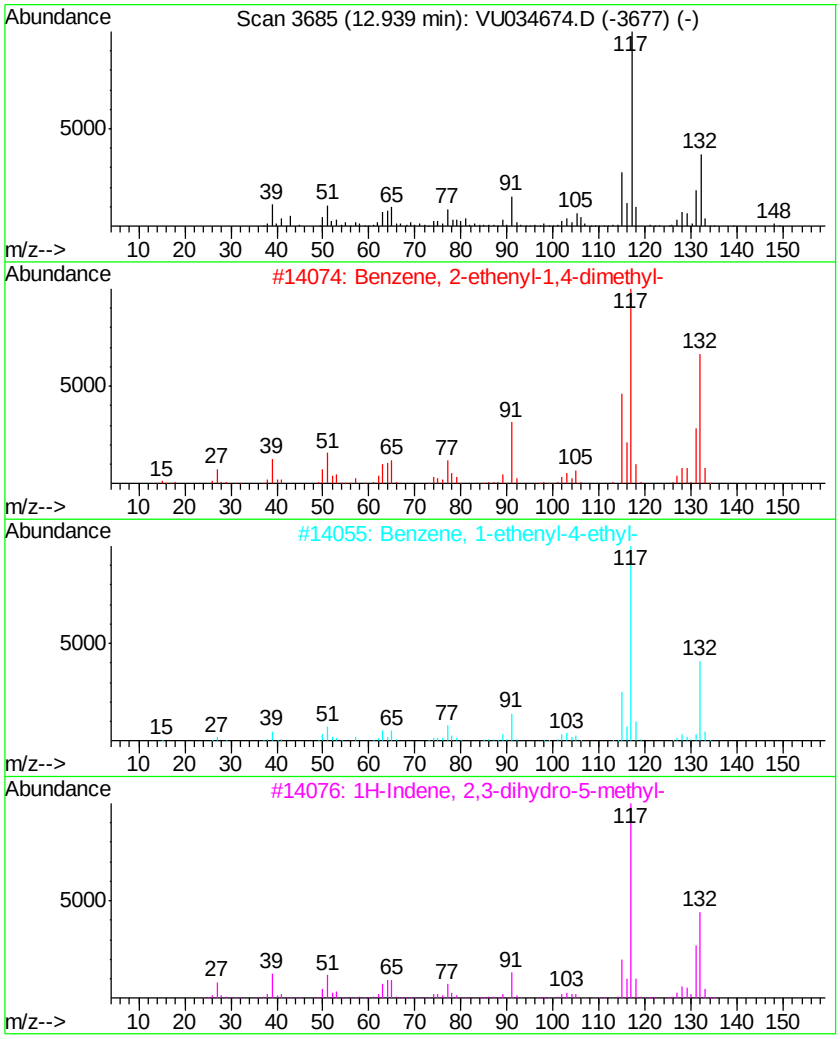
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

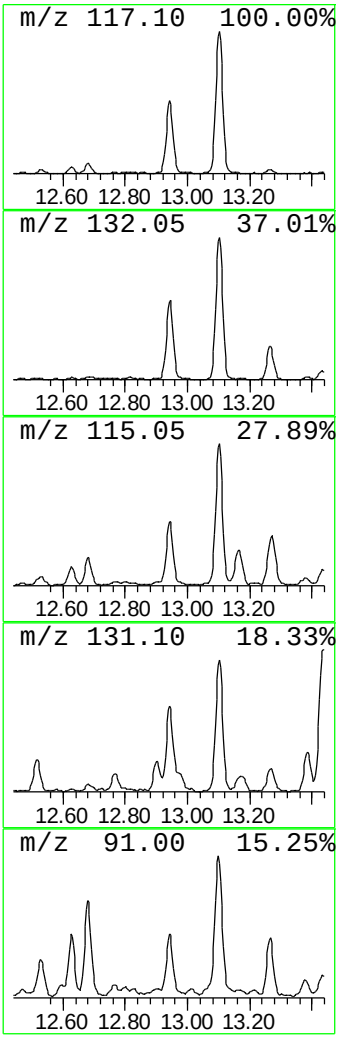
****

Peak Number 33 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	16.76 ug/L	627642	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	94
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	94
5	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	93





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034674.D
Acq On : 20 Sep 2019 02:06
Operator : JC/SP
Sample : K4895-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFDH5

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

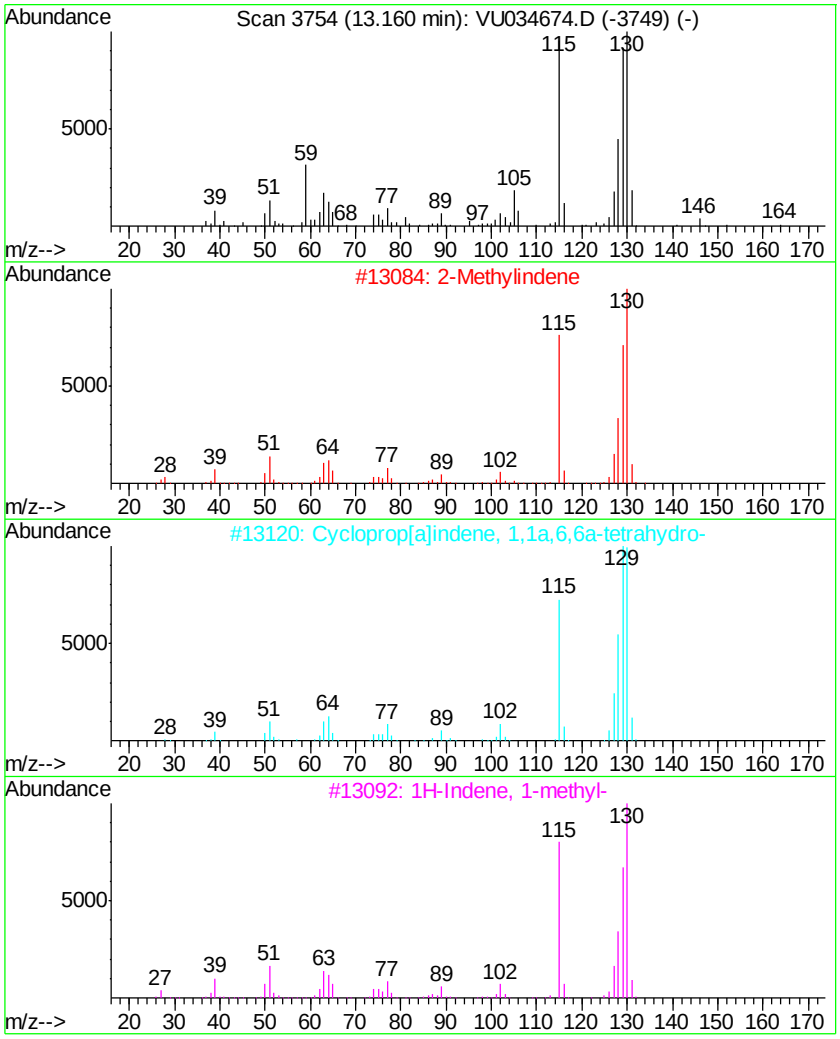
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

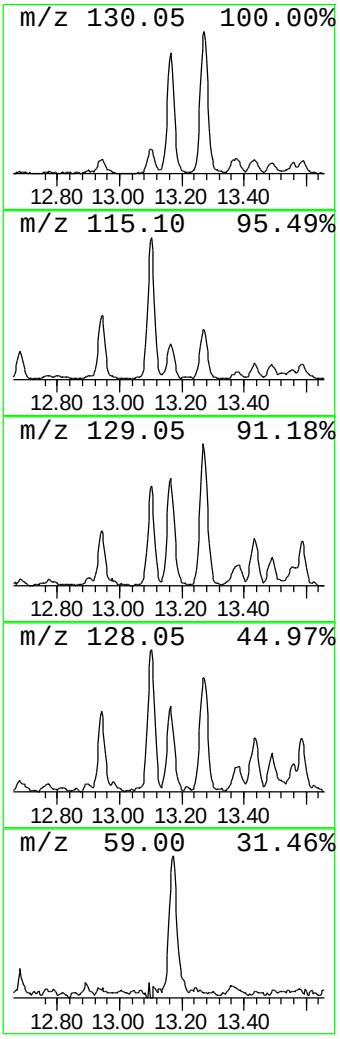
****

Peak Number 35 2-Methylindene Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	4.95 ug/L	185339	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindene	130	C10H10	002177-47-1	95
2	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	94
3	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	89
4	Benzene, 1-butynyl-	130	C10H10	000622-76-4	89
5	2-Methylindene	130	C10H10	002177-47-1	83





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034674.D
Acq On : 20 Sep 2019 02:06
Operator : JC/SP
Sample : K4895-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFDH5

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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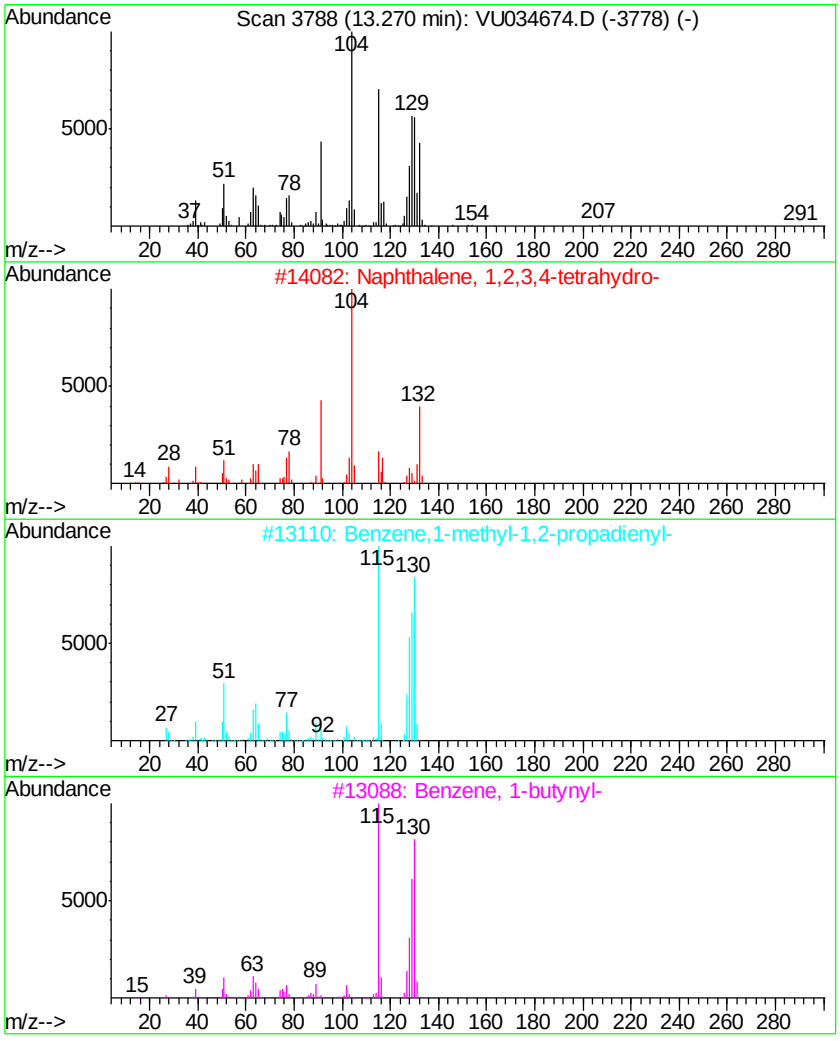
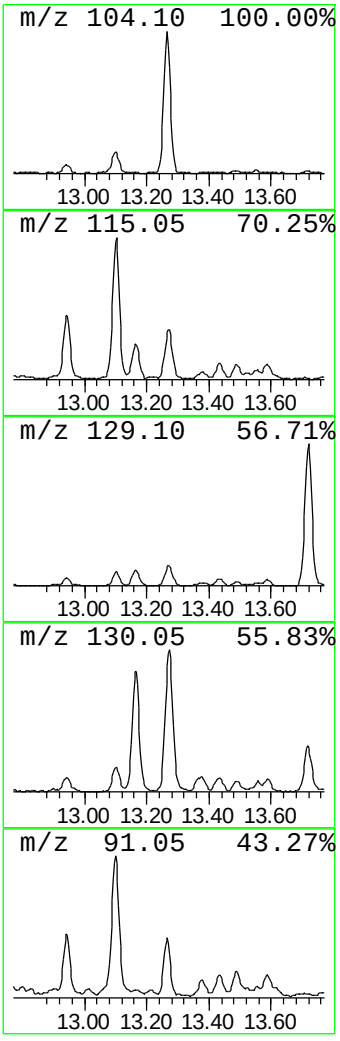
Peak Number 36 Benzene,1-methyl-1,2-propad... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	11.87 ug/L	444625	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	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	89
3	Benzene, 1-butynyl-	130	C10H10	000622-76-4	84
4	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	70
5	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034674.D
Acq On : 20 Sep 2019 02:06
Operator : JC/SP
Sample : K4895-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFDH5

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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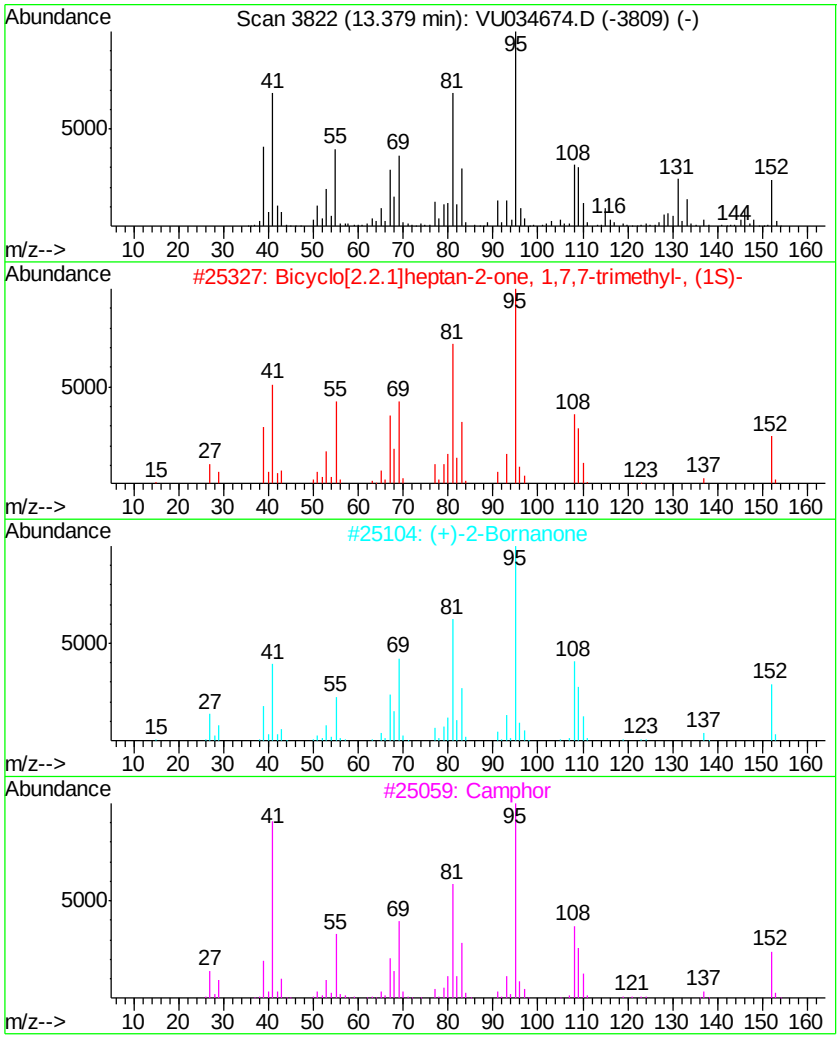
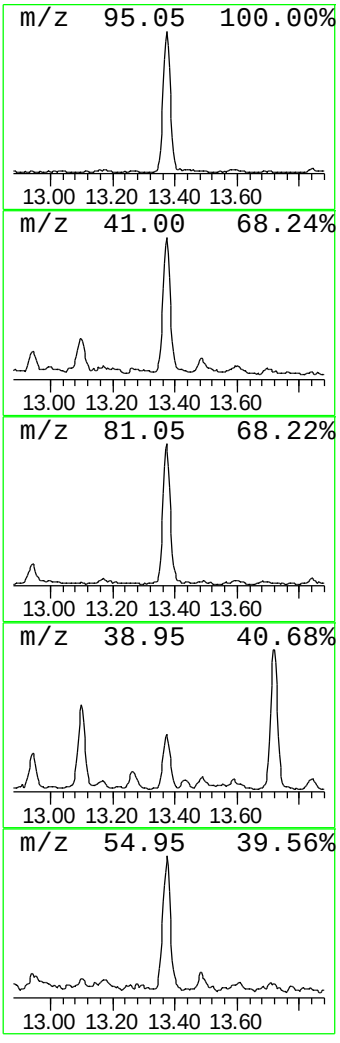
Peak Number 37 (+)-2-Bornanone Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	16.03 ug/L	600229	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	98
2	(+)-2-Bornanone	152	C10H16O	000464-49-3	97
3	Camphor	152	C10H16O	000076-22-2	97
4	(+)-2-Bornanone	152	C10H16O	000464-49-3	97
5	(+)-2-Bornanone	152	C10H16O	000464-49-3	97





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034674.D
Acq On : 20 Sep 2019 02:06
Operator : JC/SP
Sample : K4895-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BFDH5

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
(DEL) Alkane: Cyc...	4.07	4.5	ug/L	129080	1	5.86	1428810	50.0
Cyclopentene, 1-m...	4.76	3.4	ug/L	97978	1	5.86	1428810	50.0
Isopropyl acetate	5.53	6.3	ug/L	178596	1	5.86	1428810	50.0
n-Propyl acetate	6.68	48.4	ug/L	1383050	1	5.86	1428810	50.0
2-Pentanol, 4-met...	7.89	6.8	ug/L	252247	2	9.07	1862700	50.0
Propanoic acid, 2...	8.13	12.9	ug/L	479465	2	9.07	1862700	50.0
Propanoic acid, p...	8.40	11.1	ug/L	414395	2	9.07	1862700	50.0
Butanoic acid, 1-...	8.88	23.8	ug/L	888026	2	9.07	1862700	50.0
Thiophene, tetrah...	9.48	3.3	ug/L	122699	2	9.07	1862700	50.0
2-Heptanone	9.90	3.3	ug/L	124123	2	9.07	1862700	50.0
Benzene, propyl-	10.56	13.1	ug/L	488592	3	11.46	1872370	50.0
Benzene, 1-ethyl-...	10.66	81.2	ug/L	3040970	3	11.46	1872370	50.0
4-Heptanone, 2,6-...	10.89	7.9	ug/L	294951	3	11.46	1872370	50.0
Benzene, 1-ethyl-...	10.95	34.4	ug/L	1287630	3	11.46	1872370	50.0
Benzene, 1,2,3-tr...	11.13	142.9	ug/L	5351160	3	11.46	1872370	50.0
2-Octanone	11.23	12.4	ug/L	464453	3	11.46	1872370	50.0
Benzene, 1-methyl...	11.40	3.7	ug/L	139871	3	11.46	1872370	50.0
Indane	11.74	41.3	ug/L	1545400	3	11.46	1872370	50.0
Benzene, 1-methyl...	11.78	8.3	ug/L	310025	3	11.46	1872370	50.0
Indene	11.96	5.0	ug/L	188150	3	11.46	1872370	50.0
Benzene, 1-methyl...	12.03	5.4	ug/L	202093	3	11.46	1872370	50.0
Benzene, 2-ethyl-...	12.12	11.5	ug/L	430045	3	11.46	1872370	50.0
o-Cymene	12.23	15.6	ug/L	583075	3	11.46	1872370	50.0
Benzene, (2-methy...	12.33	18.4	ug/L	688029	3	11.46	1872370	50.0
L-Fenchone	12.59	11.9	ug/L	447092	3	11.46	1872370	50.0
Benzene, 1,2,4,5-...	12.63	11.9	ug/L	445534	3	11.46	1872370	50.0
Benzene, 1,2,3,4-...	12.68	19.4	ug/L	725232	3	11.46	1872370	50.0
Benzene, 2-etheny...	12.94	16.8	ug/L	627642	3	11.46	1872370	50.0
2-Methylindene	13.16	5.0	ug/L	185339	3	11.46	1872370	50.0
Benzene,1-methyl-...	13.27	11.9	ug/L	444625	3	11.46	1872370	50.0
(+)-2-Bornanone	13.38	16.0	ug/L	600229	3	11.46	1872370	50.0