LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092519\
Data File : VU034813.D
Acq On : 25 Sep 2019 19:33
Operator : JC/SP
Sample : K4983-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF2

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

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

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.177	23	27	32	rBV3	9177	8950	0.36%	0.029%
2	1.395	87	95	107	rVB	319773	339444	13.83%	1.104%
3	1.466	113	117	123	rBV	14942	13332	0.54%	0.043%
4	1.540	135	140	147	rVB3	25846	29374	1.20%	0.096%
5	1.672	174	181	194	rVB	269231	340900	13.89%	1.109%
6	2.257	354	363	373	rBV	467203	712901	29.05%	2.319%
7	2.305	374	378	391	rVB	46933	71450	2.91%	0.232%
8	2.537	446	450	452	rBV3	2384	2203	0.09%	0.007%
9	2.604	464	471	477	rBV4	5422	8054	0.33%	0.026%
10	2.685	484	496	516	rVB	116693	216609	8.83%	0.705%
11	2.781	516	526	527	rBV6	3413	4782	0.19%	0.016%
12	2.945	573	577	580	rBV4	1349	1364	0.06%	0.004%
13	2.968	580	584	586	rBV3	1577	1298	0.05%	0.004%
14	3.038	601	606	610	rVB7	1140	996	0.04%	0.003%
15	3.167	638	646	649	rBV7	4941	6537	0.27%	0.021%
16	3.289	678	684	689	rBV5	1948	2326	0.09%	0.008%
17	3.360	703	706	711	rBV4	1604	1646	0.07%	0.005%
18	3.402	716	719	722	rVV3	1691	1034	0.04%	0.003%
19	3.485	742	745	752	rVB8	1303	1123	0.05%	0.004%
20	3.524	752	757	759	rBV4	1405	1395	0.06%	0.005%
21	3.611	778	784	785	rBV5	2108	1547	0.06%	0.005%
22	3.688	805	808	814	rBV5	948	984	0.04%	0.003%
23	3.768	831	833	840	rVB6	1698	1448	0.06%	0.005%
24	3.839	849	855	858	rBV4	1898	1785	0.07%	0.006%
25	3.923	874	881	887	rVB8	1385	1658	0.07%	0.005%
26	3.964	891	894	900	rBV5	1630	2050	0.08%	0.007%
27	4.074	916	928	935	rBV6	4888	11005	0.45%	0.036%
28	4.151	939	952	980	rBV	220190	615655	25.08%	2.002%
29	4.511	1061	1064	1067	rVV3	1349	1070	0.04%	0.003%
30	4.620	1082	1098	1121	rBV	355640	854516	34.82%	2.779%
31	4.755	1136	1140	1150	rVB10	5791	10190	0.42%	0.033%
32	4.971	1197	1207	1223	rVB9	9767	20926	0.85%	0.068%
33	5.135	1252	1258	1262	rVB8	1775	2088	0.09%	0.007%
34	5.164	1262	1267	1269	rBV4	1489	1165	0.05%	0.004%

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Sample : K4983-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF2

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	5.315	1292	1314	1347	rVV2	757805	2307363	94.01%	7.505%
36	5.530	1371	1381	1404	rVB3	67575	147433	6.01%	0.480%
37	5.765	1448	1454	1458	rBV8	2888	3690	0.15%	0.012%
38	5.865	1471	1485	1501	rBV	540049	1090605	44.43%	3.547%
39	6.308	1609	1623	1642	rBV	520316	1051246	42.83%	3.419%
40	6.562	1695	1702	1705	rBV	14555	20397	0.83%	0.066%
41	6.685	1727	1740	1768	rBV	1345631	2454384	100.00%	7.983%
42	7.090	1863	1866	1870	rBV4	1658	1298	0.05%	0.004%
43	7.205	1890	1902	1920	rBV	298855	544560	22.19%	1.771%
44	7.398	1951	1962	1972	rBV	190908	328408	13.38%	1.068%
45	7.543	1994	2007	2020	rBV	1065035	1859110	75.75%	6.047%
46	7.614	2020	2029	2045	rVB	378021	669474	27.28%	2.177%
47	7.829	2085	2096	2117	rBV2	233745	431455	17.58%	1.403%
48	8.135	2178	2191	2206	rBV	363237	622344	25.36%	2.024%
49	8.212	2206	2215	2219	rBV7	31467	50608	2.06%	0.165%
50	8.289	2229	2239	2262	rBV	842284	1469945	59.89%	4.781%
51	8.395	2263	2272	2300	rVB	499081	815252	33.22%	2.652%
52	8.508	2304	2307	2323	rVB4	18365	33020	1.35%	0.107%
53	8.884	2411	2424	2450	rBV	777473	1234893	50.31%	4.016%
54	9.067	2463	2481	2508	rBV	820043	1422737	57.97%	4.627%
55	9.228	2521	2531	2552	rVB	172141	277753	11.32%	0.903%
56	9.350	2557	2569	2591	rBV	565647	959808	39.11%	3.122%
57	9.588	2634	2643	2655	rBV3	18826	33885	1.38%	0.110%
58	9.755	2682	2695	2720	rBV2	499247	863533	35.18%	2.809%
59	9.893	2734	2738	2740	rBV3	1939	1707	0.07%	0.006%
60	9.926	2740	2748	2754	rVV3	5177	9660	0.39%	0.031%
61	10.144	2806	2816	2825	rBV	26795	43131	1.76%	0.140%
62	10.408	2886	2898	2916	rBV	708954	1146142	46.70%	3.728%
63	10.566	2938	2947	2961	rVB	52385	88445	3.60%	0.288%
64	10.659	2963	2976	2995	rBV	213544	477767	19.47%	1.554%
65	10.749	2995	3004	3020	rVB	156920	245962	10.02%	0.800%
66	10.897	3042	3050	3057	rBV2	19120	31727	1.29%	0.103%
67	10.948	3057	3066	3080	rVB	145682	236232	9.62%	0.768%
68	11.125	3110	3121	3136	rBV	532673	828360	33.75%	2.694%
69	11.263	3157	3164	3165	rBV7	3896	4311	0.18%	0.014%
70	11.405	3200	3208	3214	rBV2	22493	33033	1.35%	0.107%
71	11.459	3215	3225	3242	rVV	801954	1297210	52.85%	4.219%

LSC Area Percent Report

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ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF2

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	11.546	3243	3252	3266	rVB	259138	404633	16.49%	1.316%
73	11.742	3302	3313	3323	rBV	131128	246075	10.03%	0.800%
74	11.836	3332	3342	3368	rVB	1042647	1855020	75.58%	6.033%
75	11.958	3374	3380	3390	rVB3	19334	29390	1.20%	0.096%
76	12.032	3397	3403	3414	rVB2	23349	37768	1.54%	0.123%
77	12.125	3423	3432	3436	rBV	47877	69456	2.83%	0.226%
78	12.231	3456	3465	3472	rBV2	67622	107077	4.36%	0.348%
79	12.334	3487	3497	3515	rBV3	59977	120082	4.89%	0.391%
80	12.469	3534	3539	3546	rBV9	5294	7282	0.30%	0.024%
81	12.530	3549	3558	3569	rVB4	30298	54127	2.21%	0.176%
82	12.630	3572	3589	3597	rBV	51796	96256	3.92%	0.313%
83	12.681	3597	3605	3620	rVB2	86384	141629	5.77%	0.461%
84	12.768	3624	3632	3636	rBV8	7961	11724	0.48%	0.038%
85	12.945	3679	3687	3702	rVB2	47921	83498	3.40%	0.272%
86	13.102	3727	3736	3749	rVB3	142081	224190	9.13%	0.729%
87	13.270	3780	3788	3801	rVB3	32885	55372	2.26%	0.180%
88	13.382	3817	3823	3831	rVB9	9525	14466	0.59%	0.047%
89	13.434	3834	3839	3848	rVB5	14973	21881	0.89%	0.071%
90	13.491	3851	3857	3864	rBV3	20599	29136	1.19%	0.095%
91	13.723	3918	3929	3955	rBV	226022	426098	17.36%	1.386%
92	13.848	3960	3968	3976	rVB5	10943	19422	0.79%	0.063%
93	14.134	4050	4057	4069	rVB4	15014	25575	1.04%	0.083%
94	14.311	4104	4112	4113	rBV6	15597	16049	0.65%	0.052%
95	14.453	4151	4156	4158	rBV4	5210	5754	0.23%	0.019%
96	14.517	4171	4176	4189	rVB4	10195	19253	0.78%	0.063%
97	14.623	4204	4209	4210	rBV5	3636	3122	0.13%	0.010%
98	14.806	4260	4266	4273	rBV9	5020	8614	0.35%	0.028%
99	14.861	4273	4283	4296	rBV2	39660	81349	3.31%	0.265%
100	15.044	4332	4340	4358	rVB3	59216	102803	4.19%	0.334%

Sum of corrected areas: 30745794

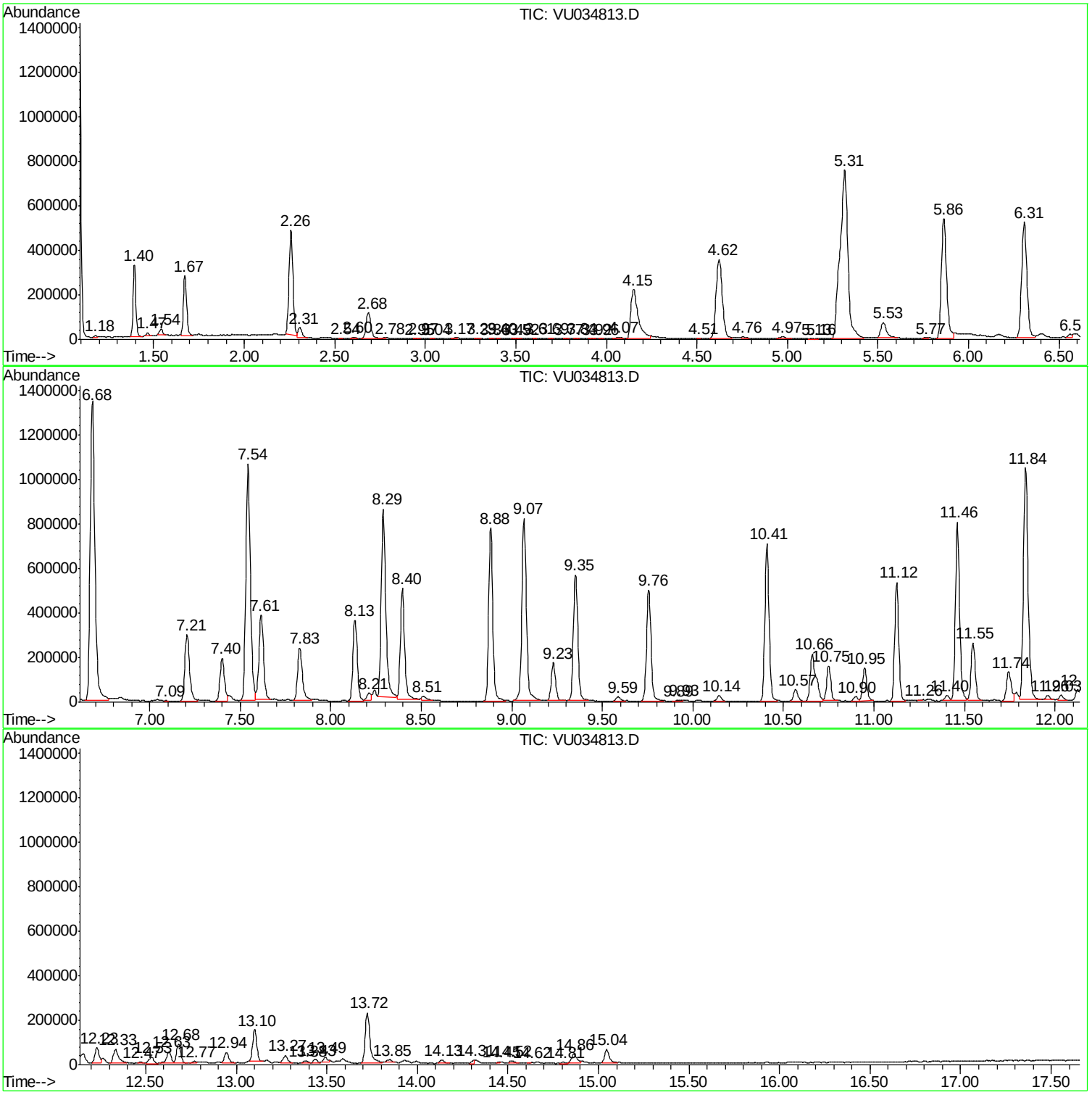
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092519\
Data File : VU034813.D
Acq On : 25 Sep 2019 19:33
Operator : JC/SP
Sample : K4983-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF2

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\VU092519\
Data File : VU034813.D
Acq On : 25 Sep 2019 19:33
Operator : JC/SP
Sample : K4983-02
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ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF2

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

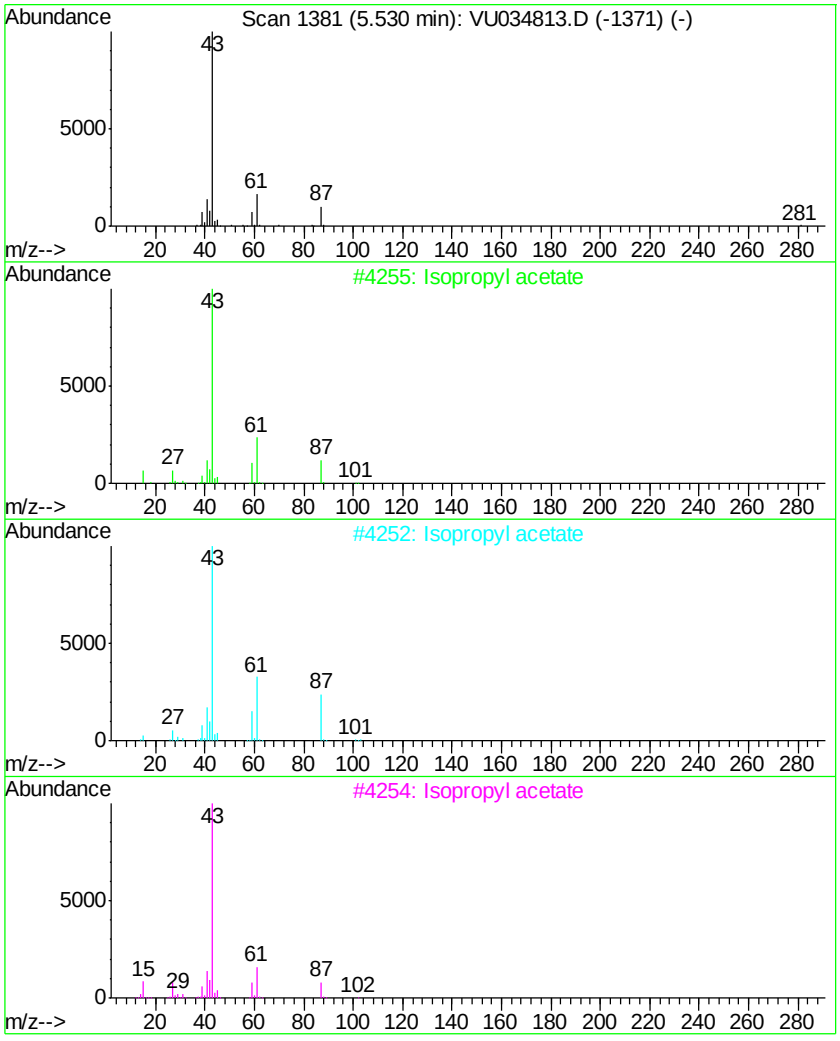
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

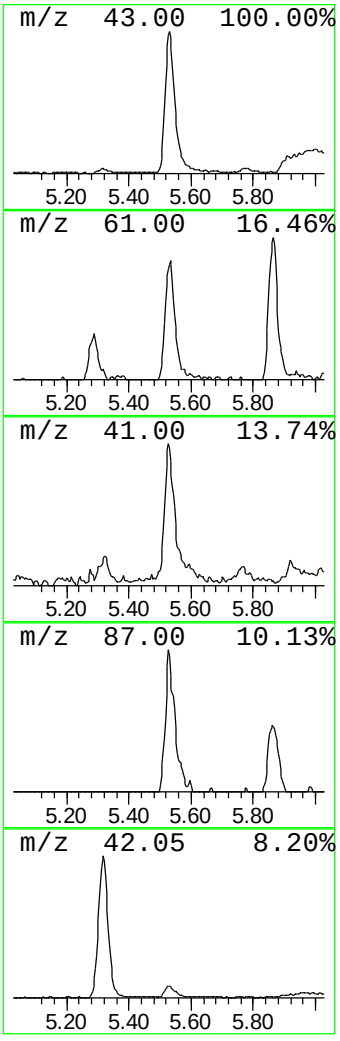
****

Peak Number 1 Isopropyl acetate Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.53	6.76 ug/L	147433	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropyl acetate	102	C5H10O2	000108-21-4	78
2	Isopropyl acetate	102	C5H10O2	000108-21-4	64
3	Isopropyl acetate	102	C5H10O2	000108-21-4	59
4	Isopropyl acetate	102	C5H10O2	000108-21-4	50
5	2-Pentanol, acetate	130	C7H14O2	000626-38-0	9





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Acq On : 25 Sep 2019 19:33
Operator : JC/SP
Sample : K4983-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF2

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

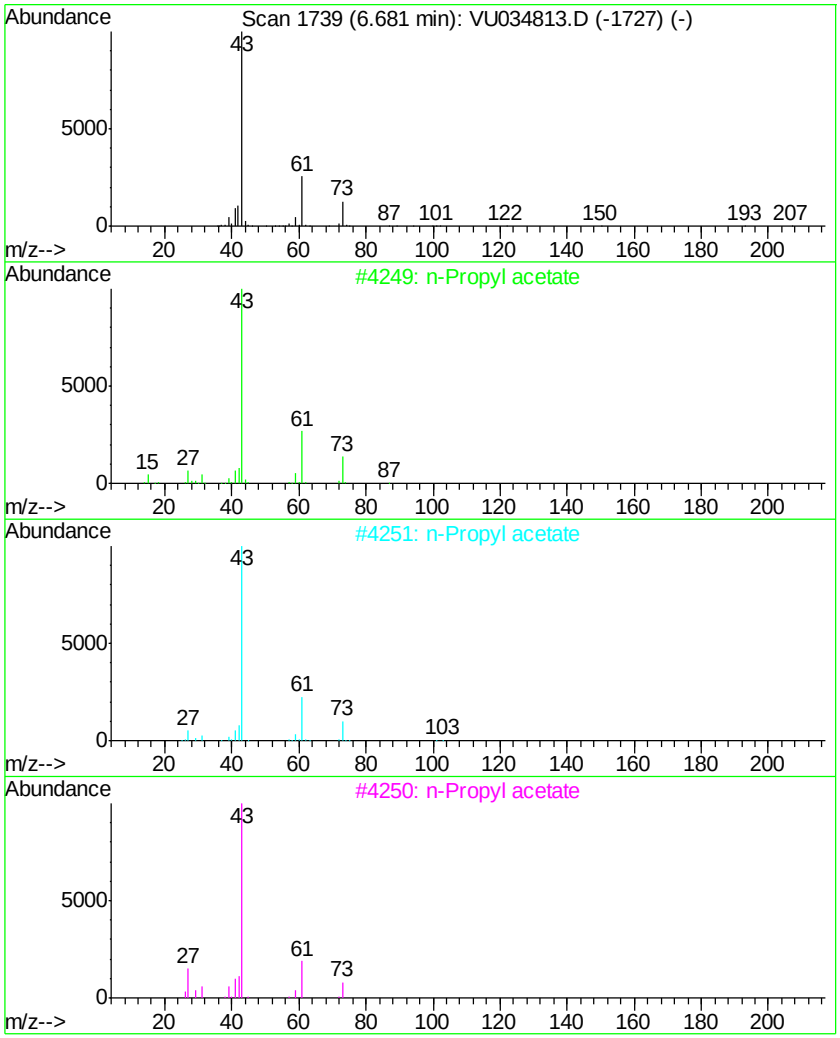
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

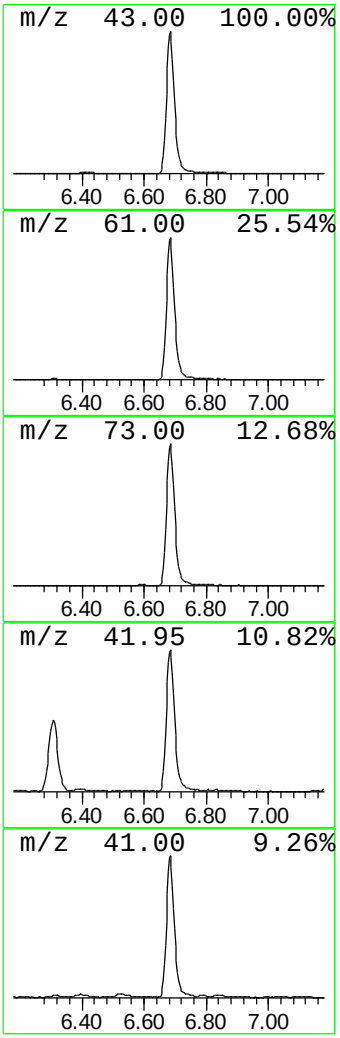
****

Peak Number 2 n-Propyl acetate Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	112.52 ug/L	2454380	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Propyl acetate	102	C5H10O2	000109-60-4	83
2	n-Propyl acetate	102	C5H10O2	000109-60-4	83
3	n-Propyl acetate	102	C5H10O2	000109-60-4	78
4	Isopropyl acetate	102	C5H10O2	000108-21-4	36
5	Isobutylamine	73	C4H11N	000078-81-9	7





Library Search Compound Report

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Instrument : MSVOA_U
ClientSampleId : BFDF2

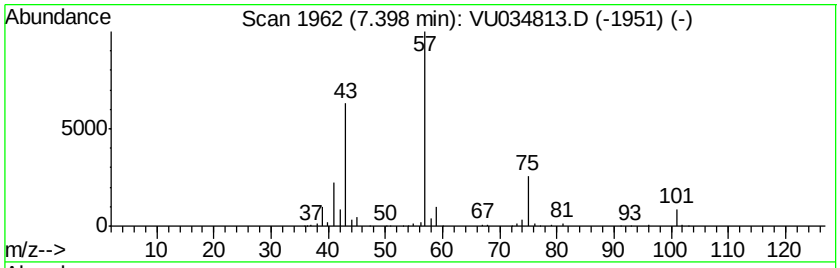
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

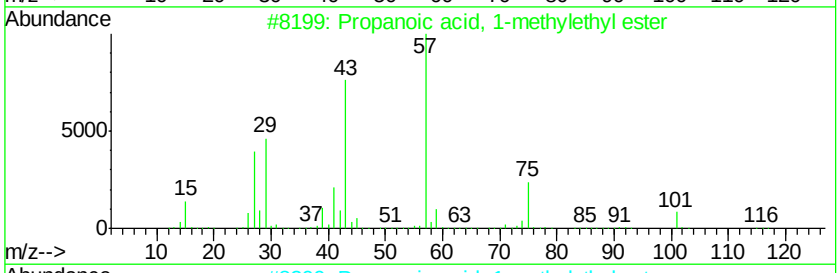
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

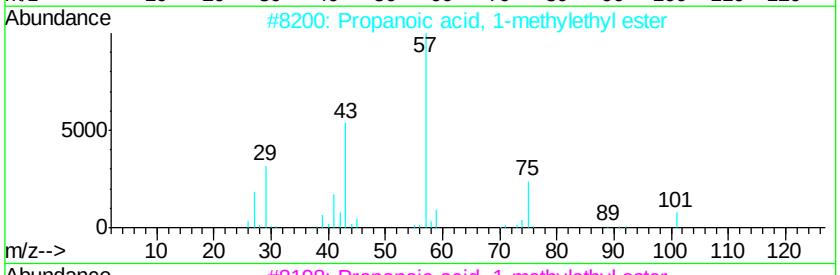
****
Peak Number 4 Propanoic acid, 1-methyleth... Concentration Rank 10

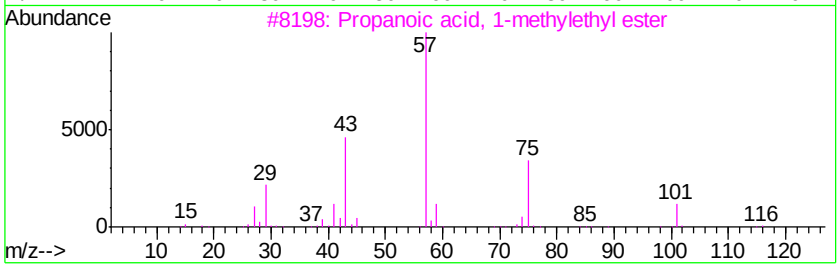
R.T.	EstConc	Area	Relative to ISTD	R.T.
7.40	15.06 ug/L	328408	1,4-Difluorobenzene	5.86

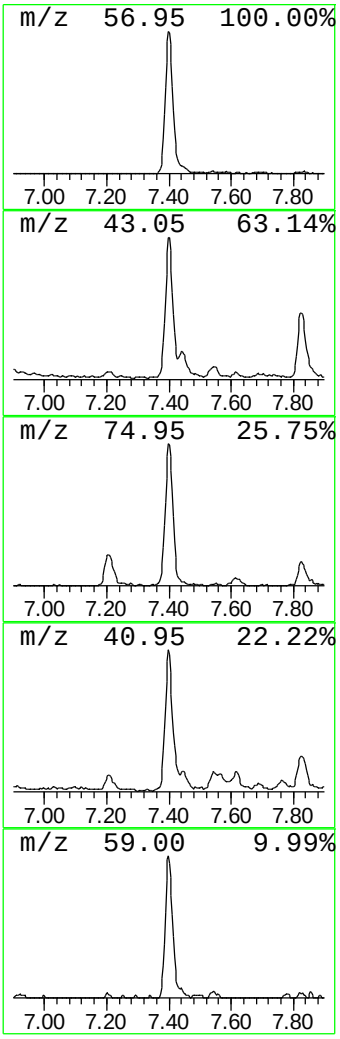
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, 1-methylethyl ester	116	C6H12O2	000637-78-5	83
2	Propanoic acid, 1-methylethyl ester	116	C6H12O2	000637-78-5	83
3	Propanoic acid, 1-methylethyl ester	116	C6H12O2	000637-78-5	56
4	Propanoic acid, 1-methylethyl ester	116	C6H12O2	000637-78-5	53
5	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	45











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Instrument : MSVOA_U
ClientSampleId : BFDF2

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

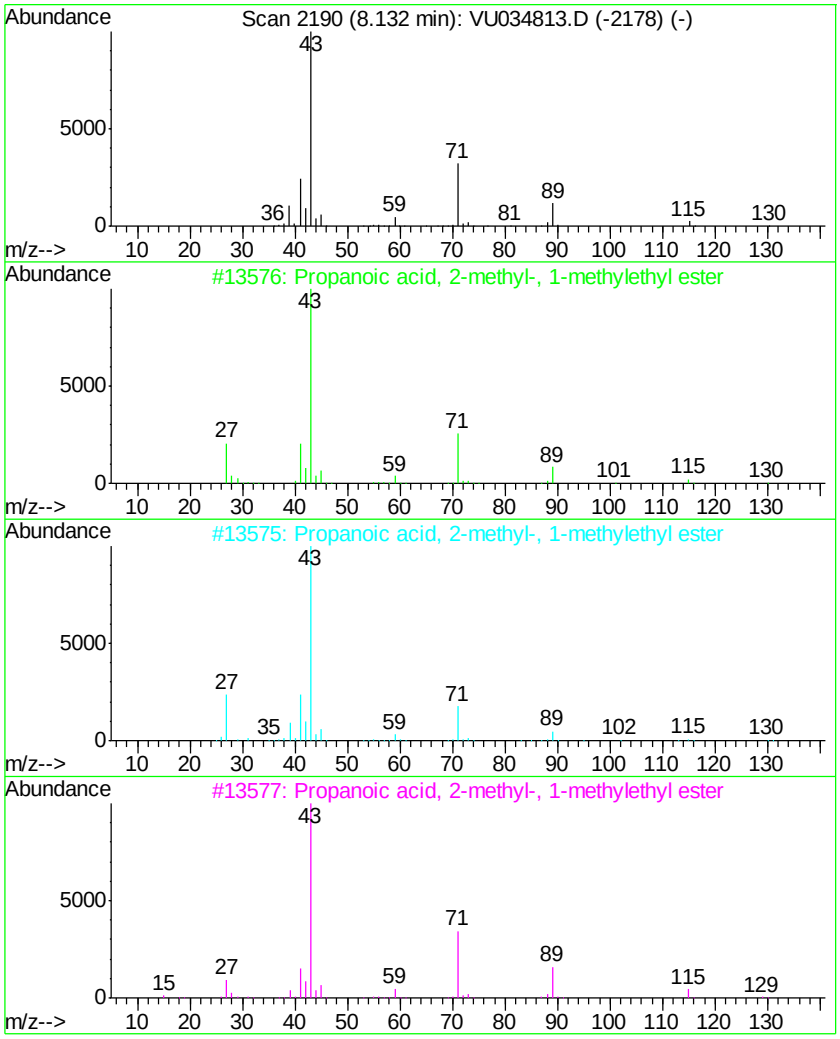
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

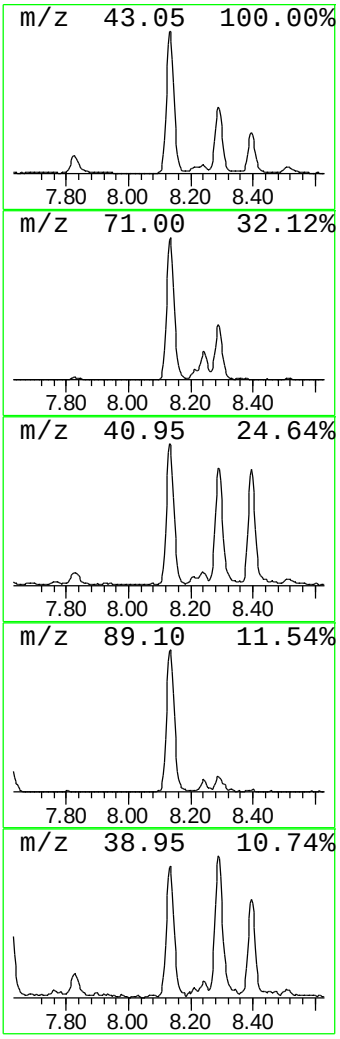
****

Peak Number 5 Propanoic acid, 2-methyl-, ... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.13	21.87 ug/L	622344	Chlorobenzene-d5	9.07

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





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ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF2

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

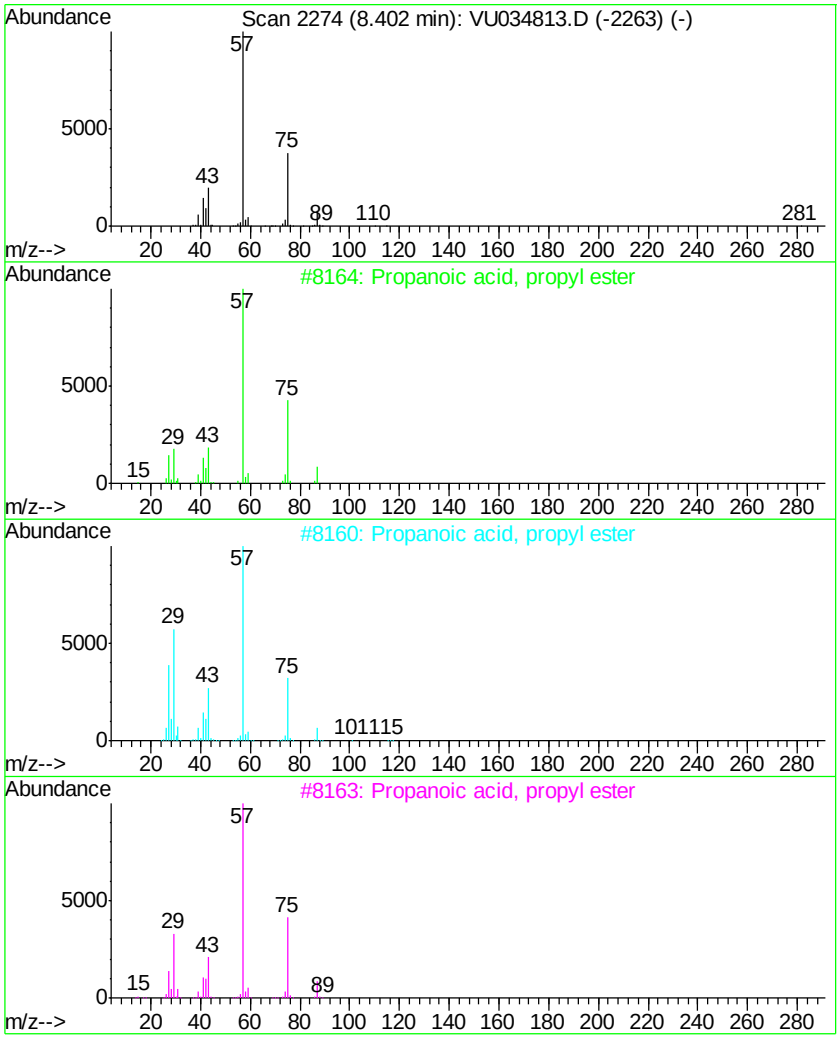
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

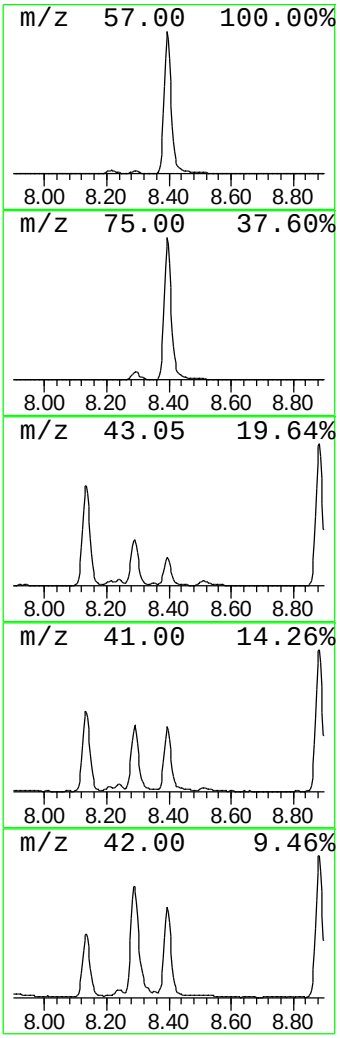
****

Peak Number 6 Propanoic acid, propyl ester Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.40	28.65 ug/L	815252	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	83
4	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	78
5	Propanoic acid, butyl ester	130	C7H14O2	000590-01-2	42





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034813.D
Acq On : 25 Sep 2019 19:33
Operator : JC/SP
Sample : K4983-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF2

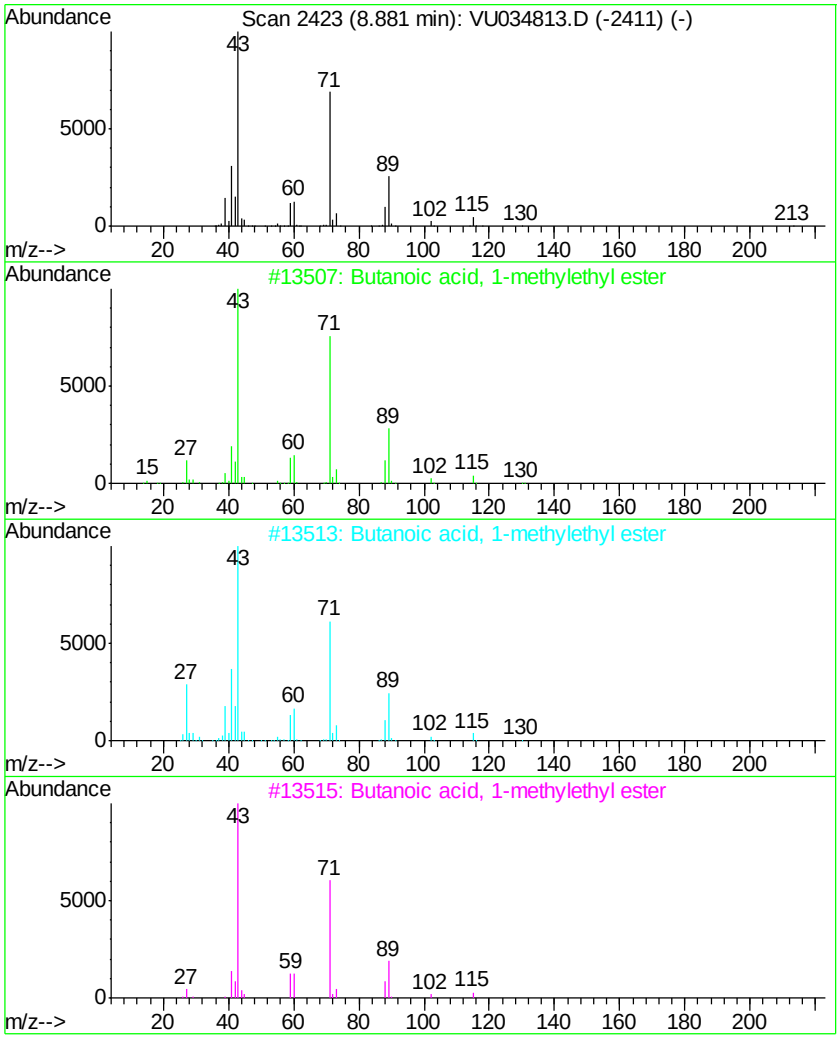
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

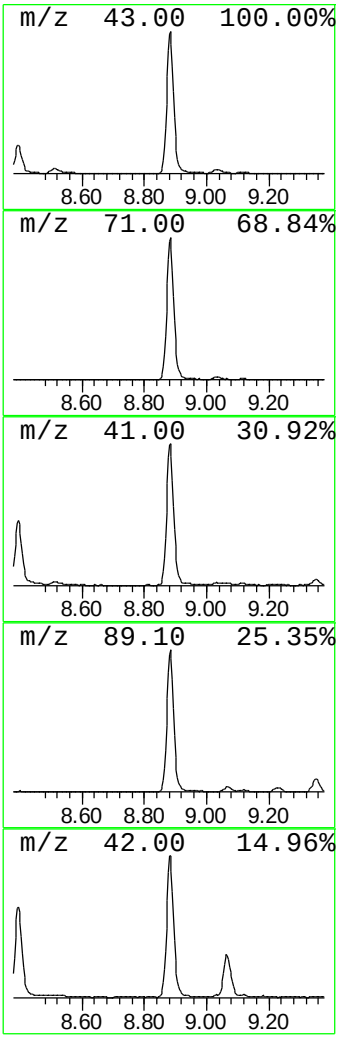
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Butanoic acid, 1-methylethy... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.88	43.40 ug/L	1234890	Chlorobenzene-d5	9.07

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





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Operator : JC/SP
Sample : K4983-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF2

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

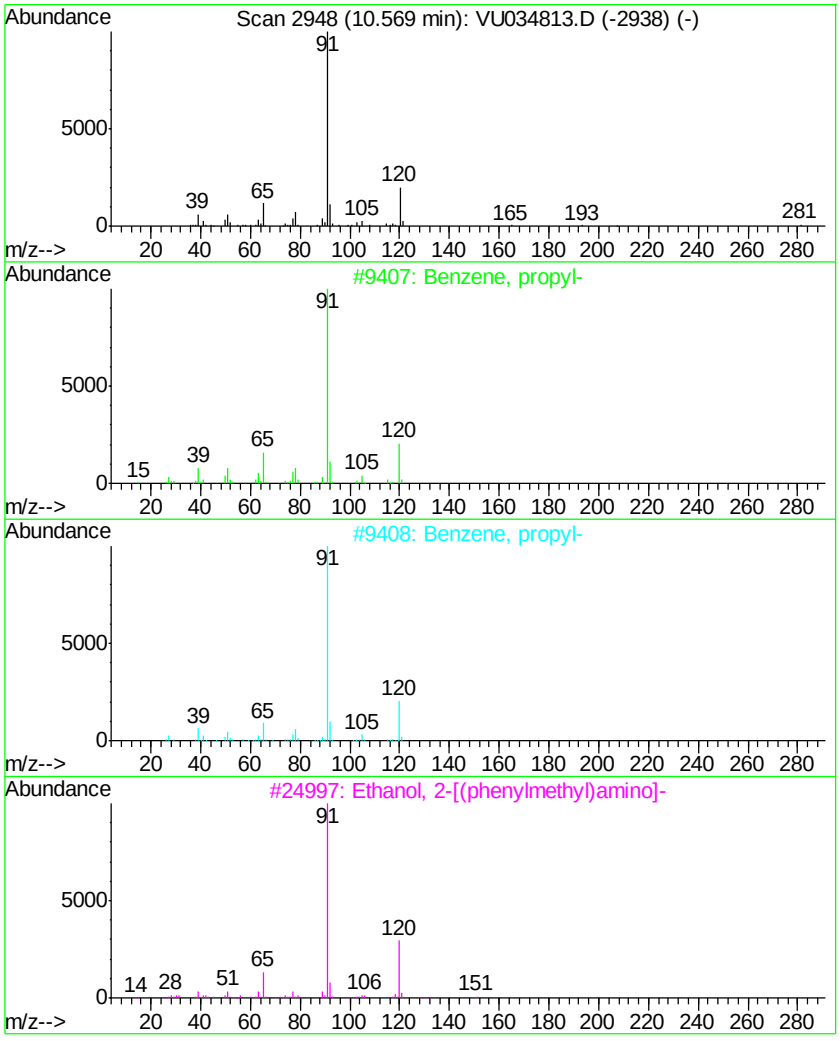
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

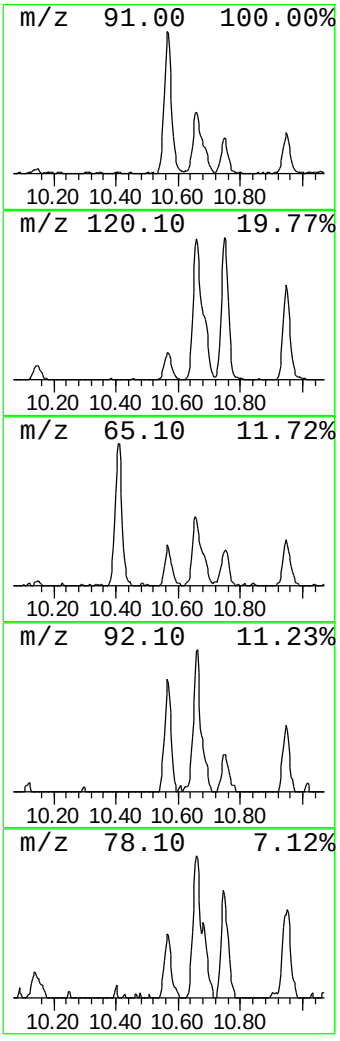
****

Peak Number 8 Benzene, propyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.57	3.41 ug/L	88445	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	87
2	Benzene, propyl-	120	C9H12	000103-65-1	81
3	Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	78
4	Propanenitrile, 3-[(phenylmethyl...	160	C10H12N2	000706-03-6	72
5	Benzene, propyl-	120	C9H12	000103-65-1	64





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Operator : JC/SP
Sample : K4983-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF2

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

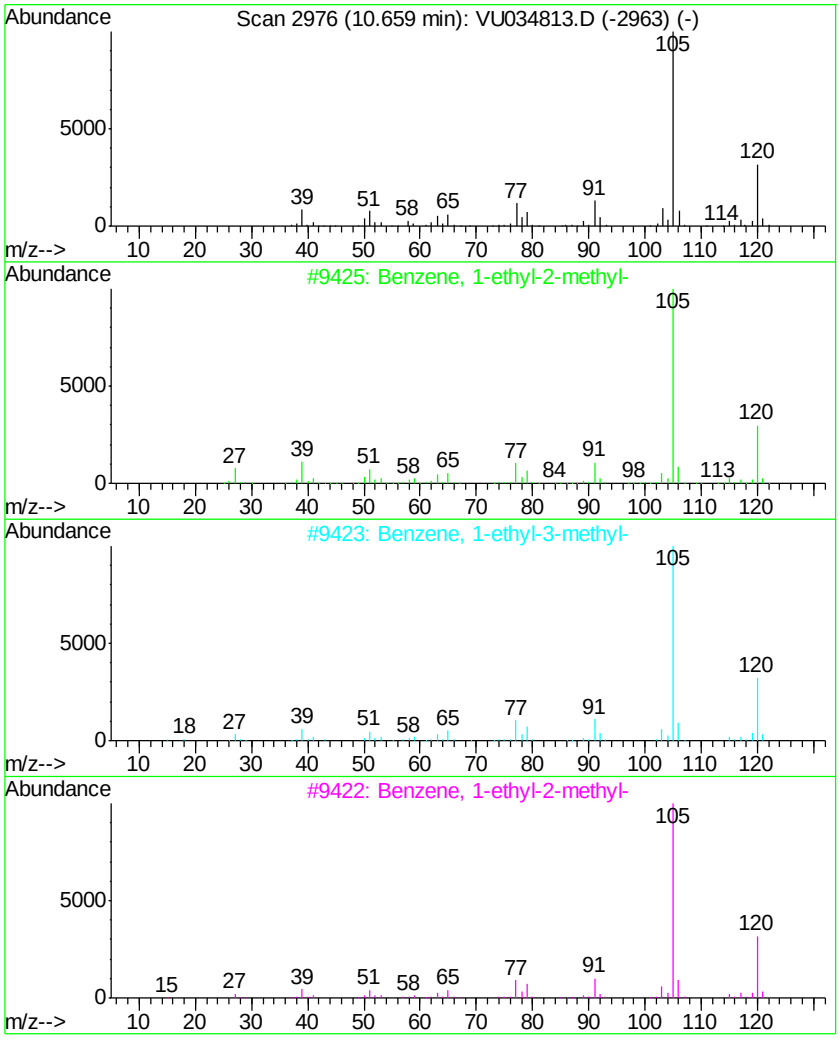
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

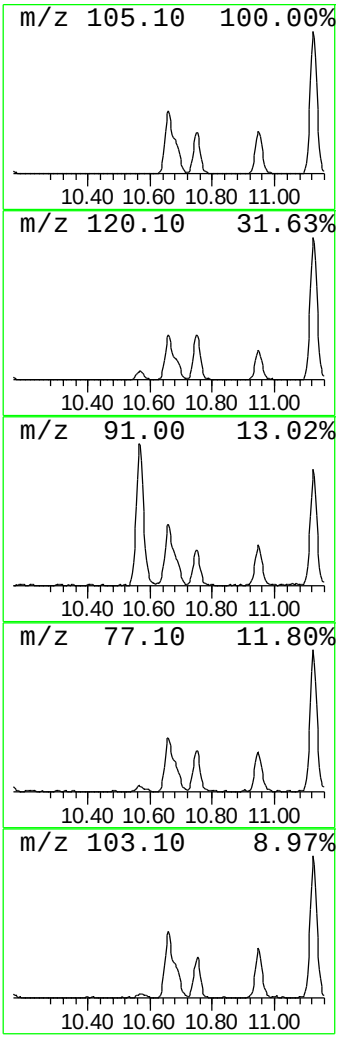
****

Peak Number 9 Benzene, 1-ethyl-2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	18.42 ug/L	477767	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	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 : VU034813.D
Acq On : 25 Sep 2019 19:33
Operator : JC/SP
Sample : K4983-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF2

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

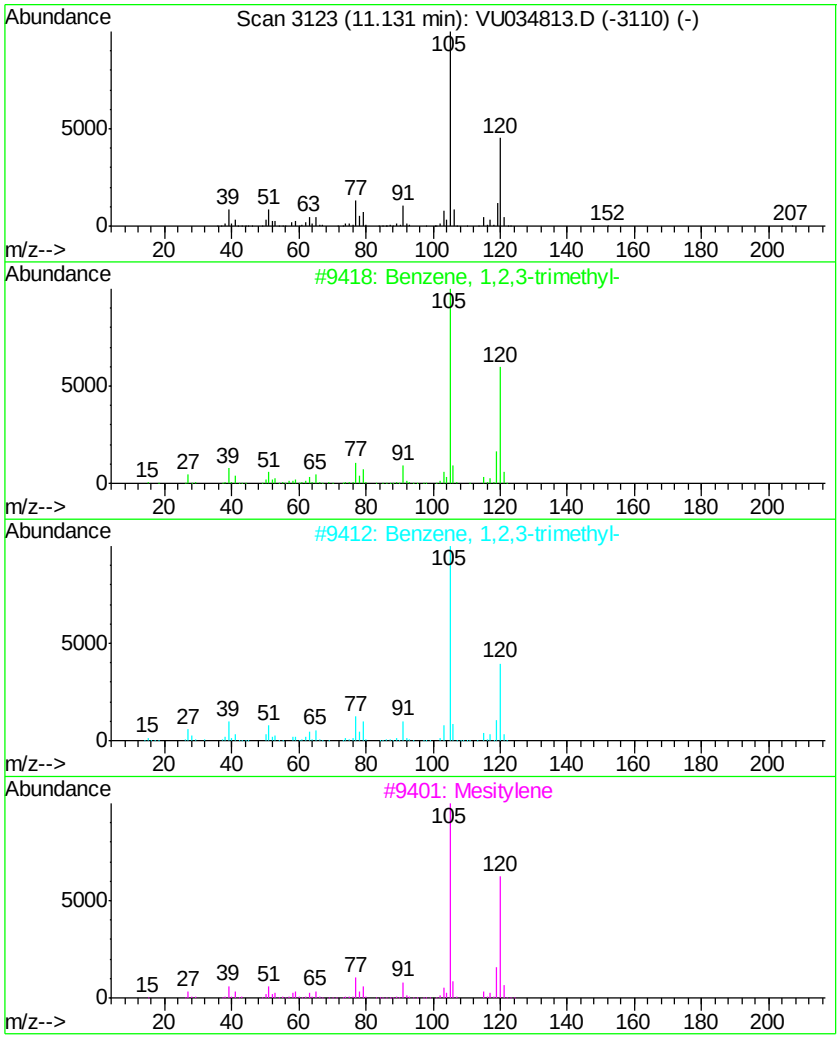
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

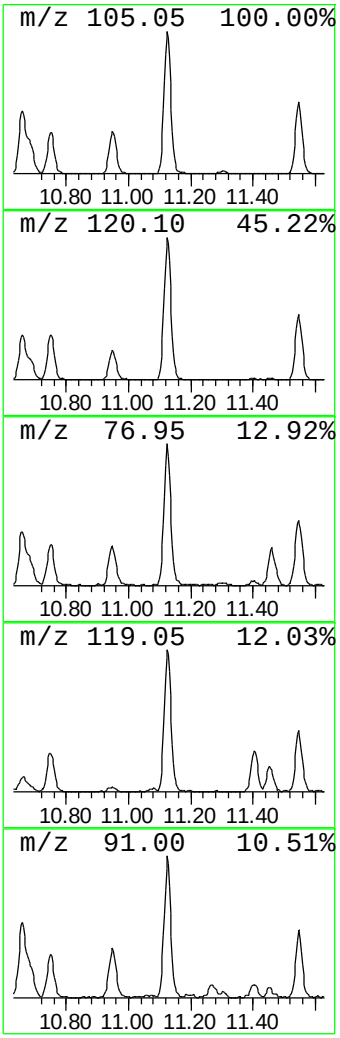
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.13	31.93 ug/L	828360	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	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
3	Mesitylene	120	C9H12	000108-67-8	94
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94





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Acq On : 25 Sep 2019 19:33
Operator : JC/SP
Sample : K4983-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF2

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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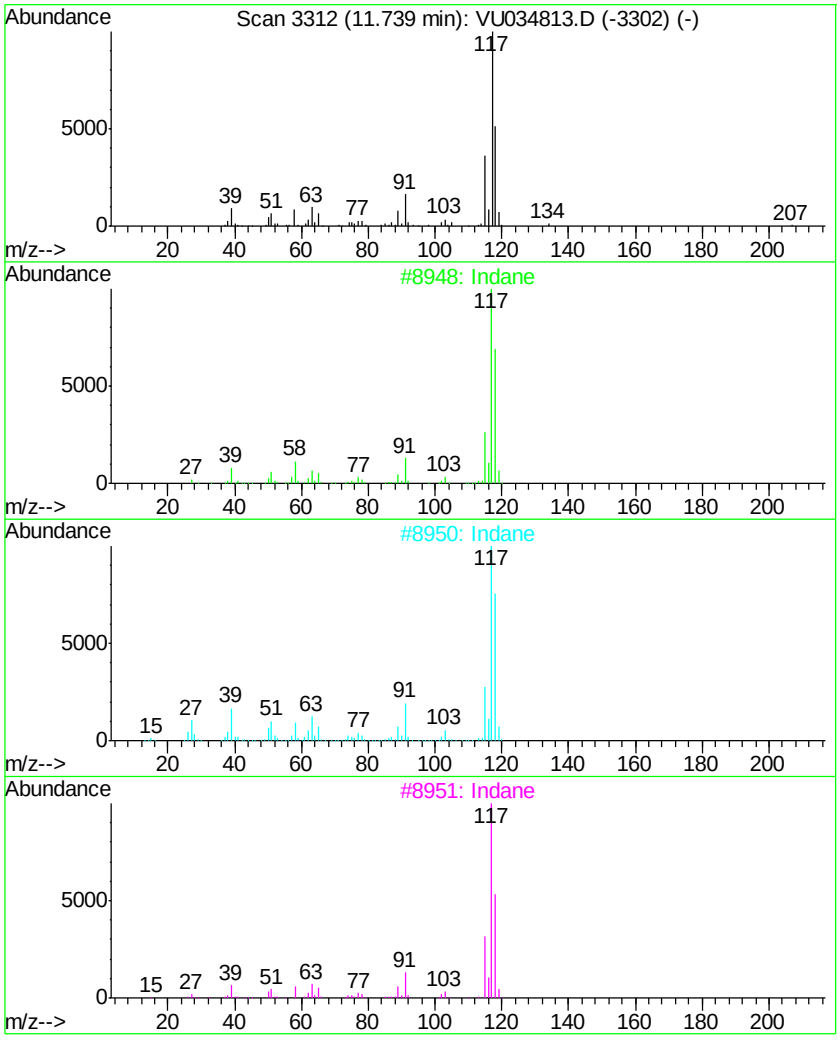
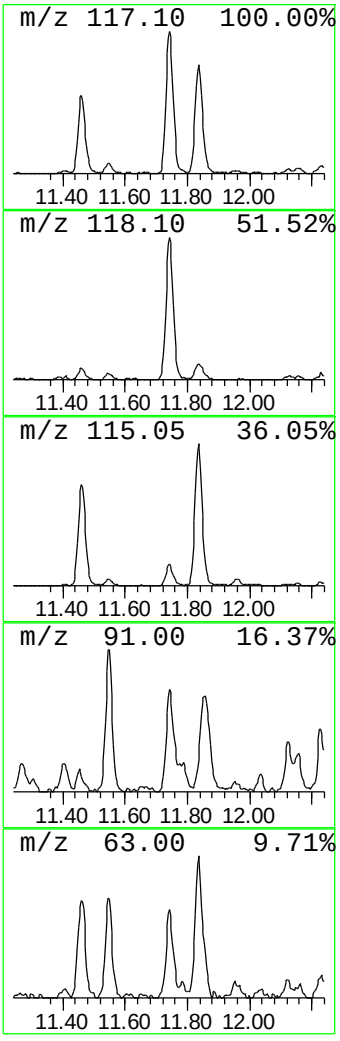
Peak Number 14 Indane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	9.48 ug/L	246075	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	87
4	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	74
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	72





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Acq On : 25 Sep 2019 19:33
Operator : JC/SP
Sample : K4983-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF2

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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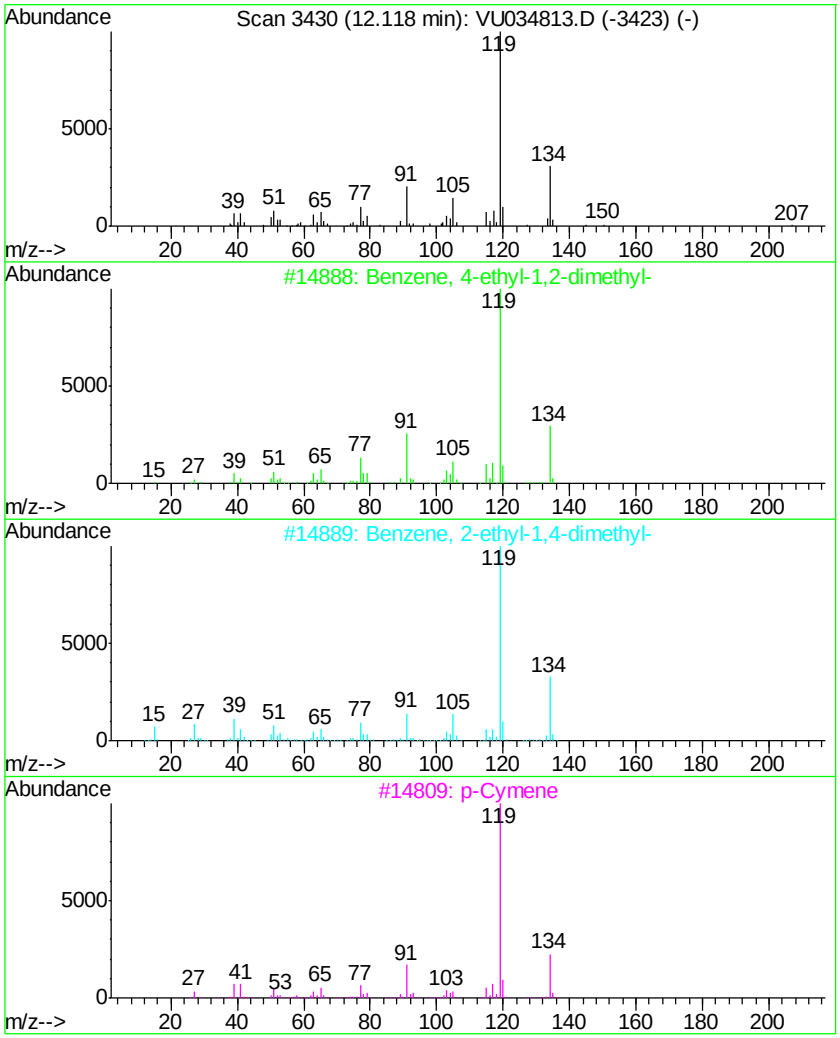
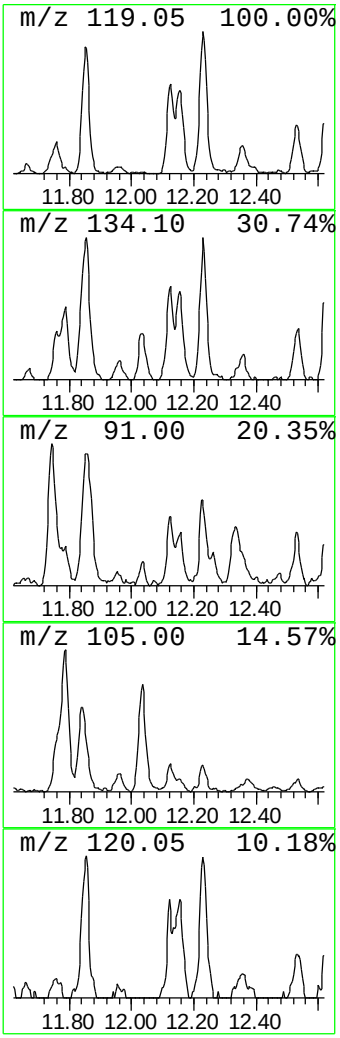
Peak Number 15 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	2.68 ug/L	69456	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3	p-Cymene	134	C10H14	000099-87-6	95
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
5	o-Cymene	134	C10H14	000527-84-4	94





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Data File : VU034813.D
Acq On : 25 Sep 2019 19:33
Operator : JC/SP
Sample : K4983-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF2

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

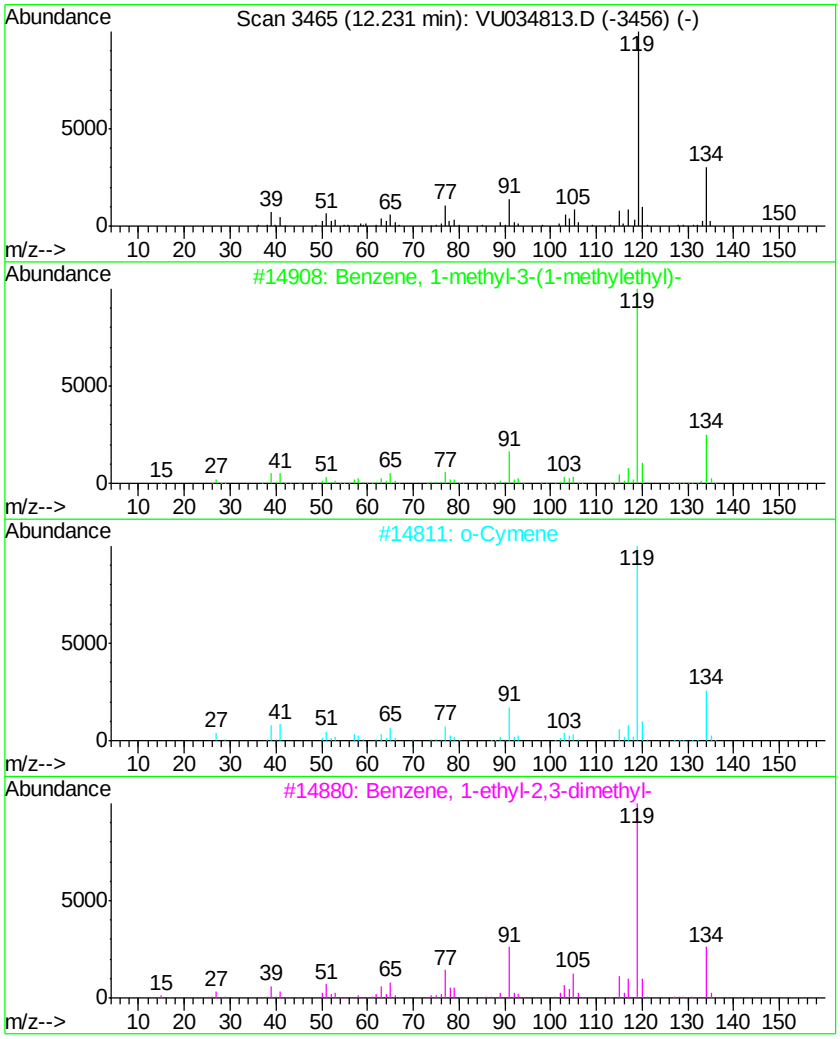
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

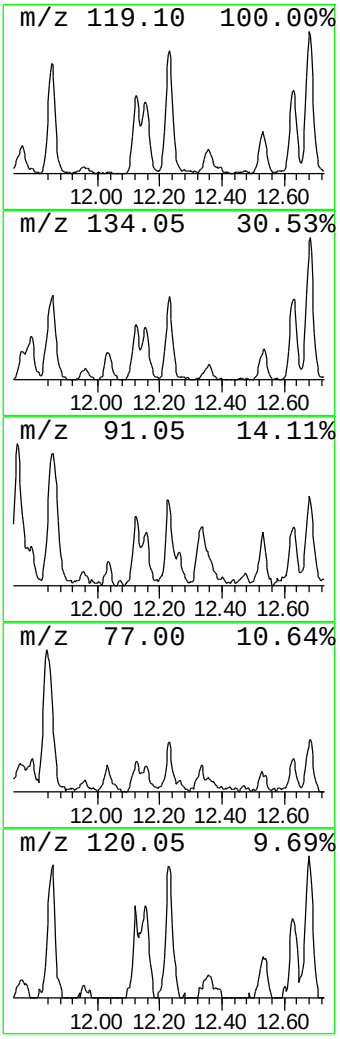
****

Peak Number 16 Benzene, 1-methyl-3-(1-meth... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	4.13 ug/L	107077	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	95
2	o-Cymene	134	C10H14	000527-84-4	95
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94





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Data File : VU034813.D
Acq On : 25 Sep 2019 19:33
Operator : JC/SP
Sample : K4983-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF2

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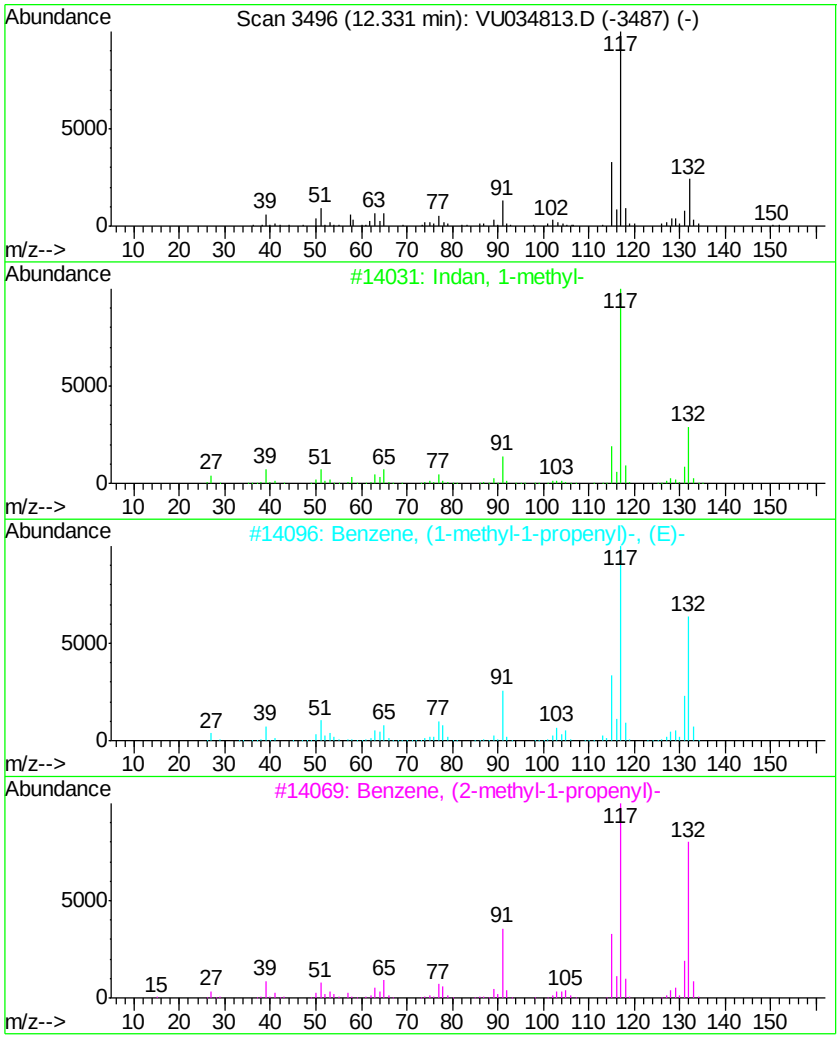
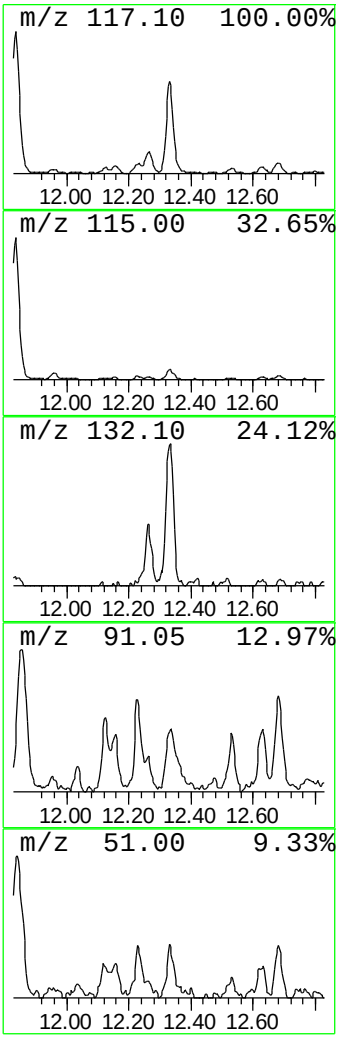
Peak Number 17 Indan, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	4.63 ug/L	120082	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	87
2	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	87
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	87
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	87
5	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	86





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Acq On : 25 Sep 2019 19:33
Operator : JC/SP
Sample : K4983-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF2

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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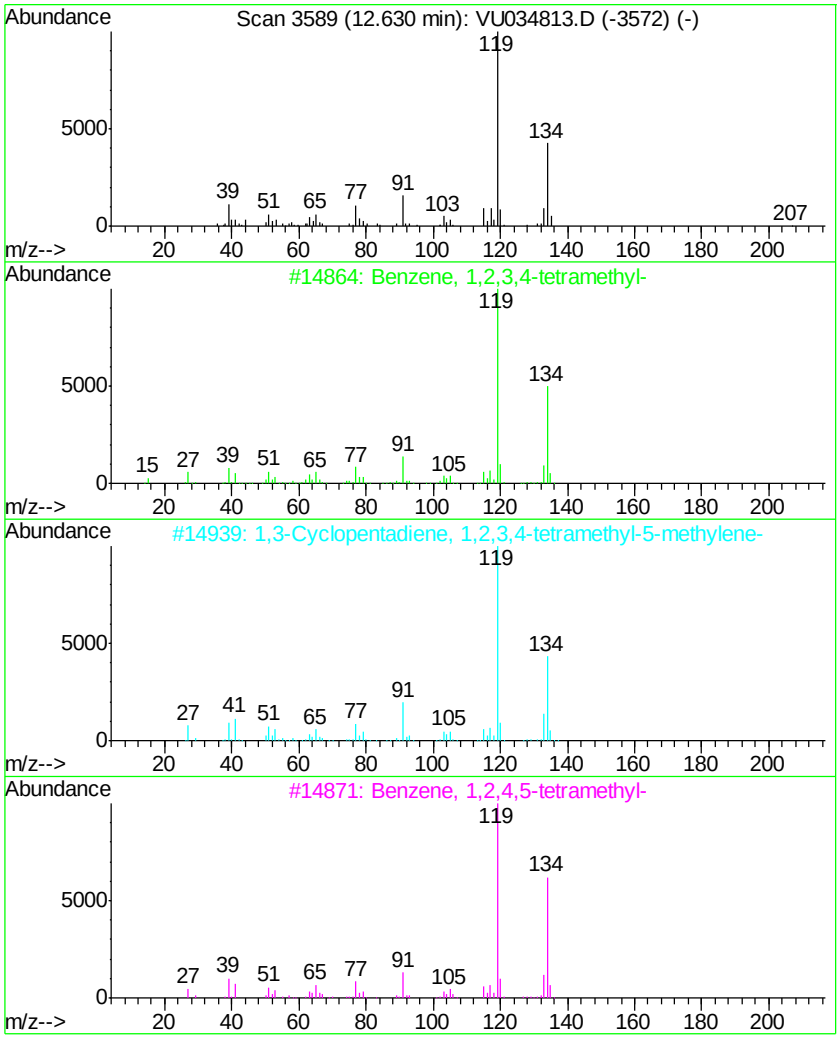
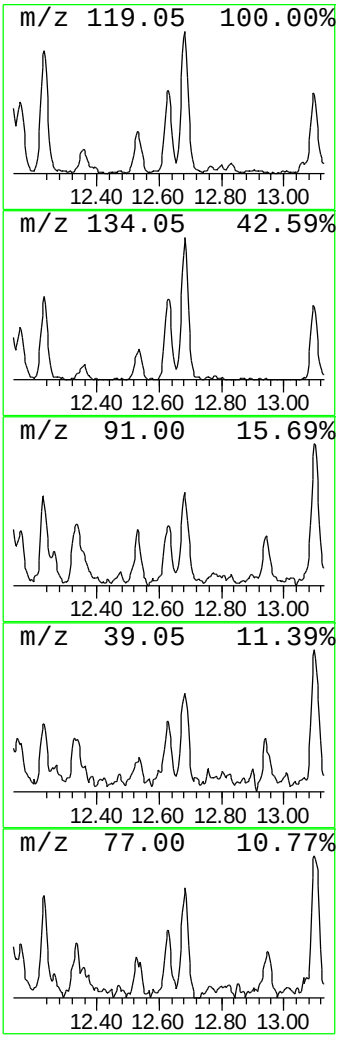
Peak Number 18 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	3.71 ug/L	96256	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	95
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95





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Acq On : 25 Sep 2019 19:33
Operator : JC/SP
Sample : K4983-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF2

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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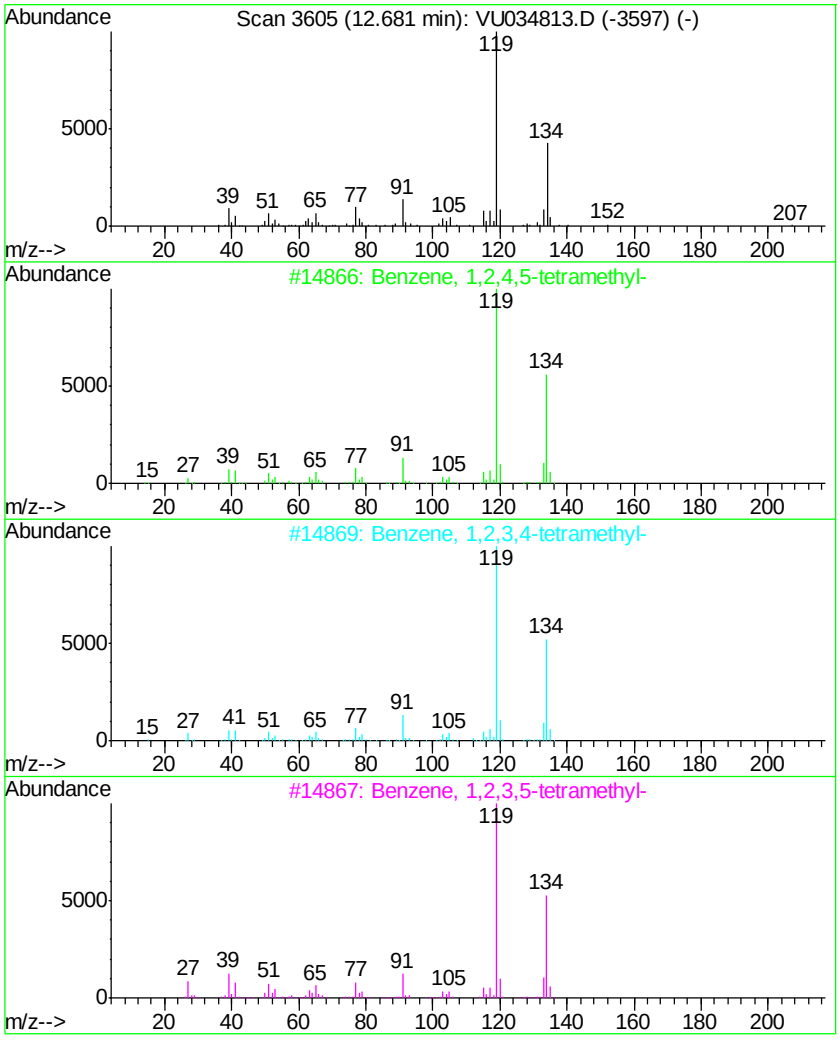
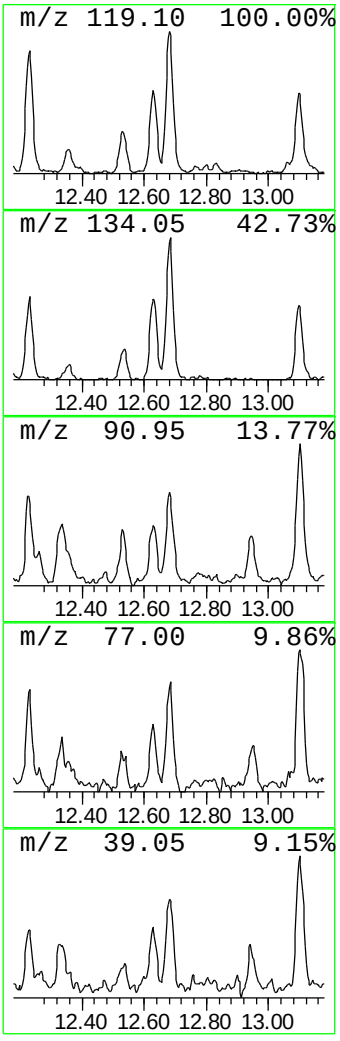
Peak Number 19 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.68	5.46 ug/L	141629	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	97
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
5	p-Cymene	134	C10H14	000099-87-6	95





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034813.D
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Operator : JC/SP
Sample : K4983-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF2

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

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

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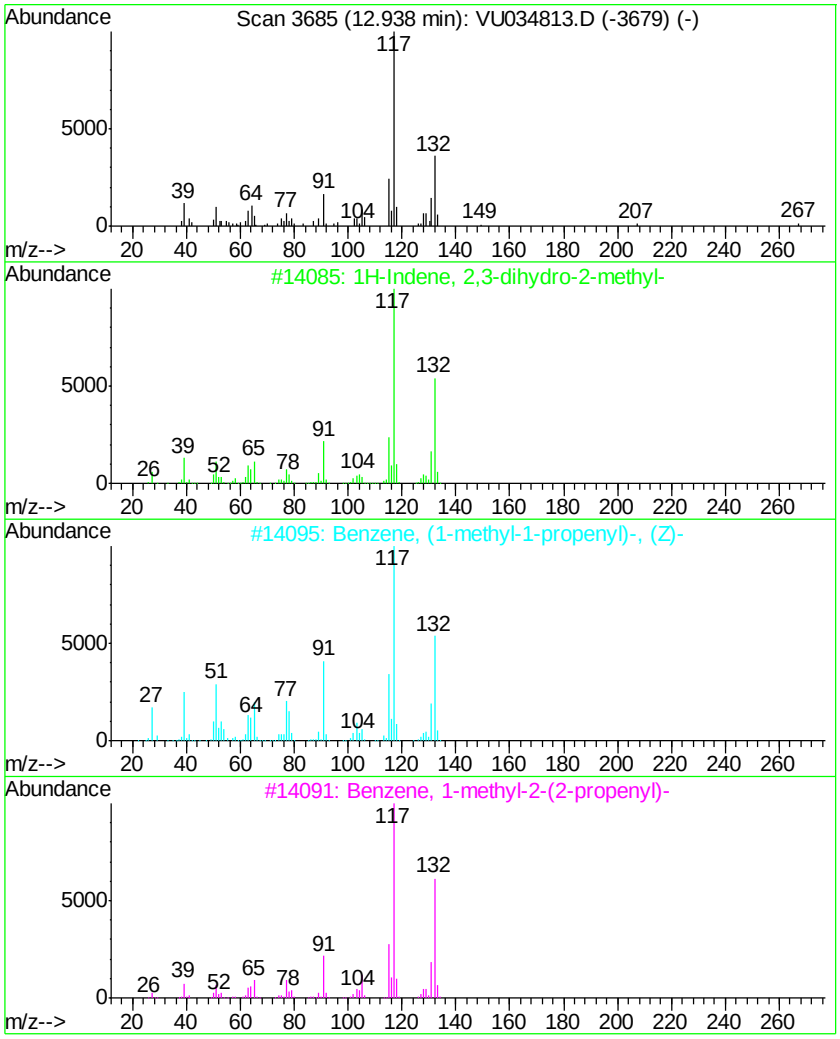
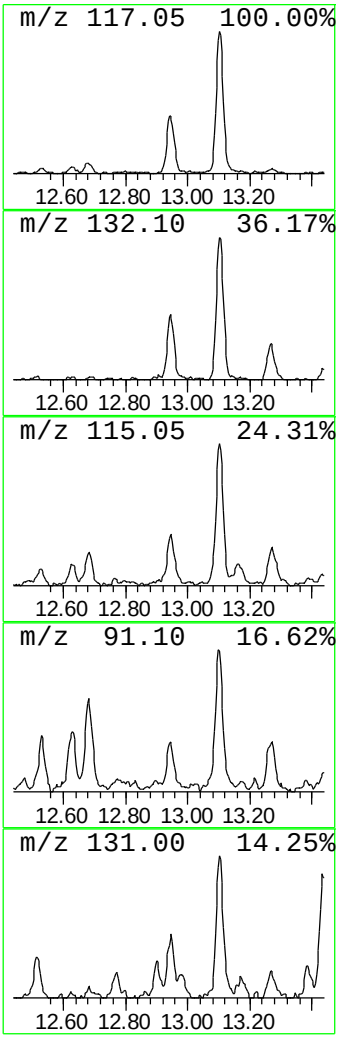
Peak Number 20 1H-Indene, 2,3-dihydro-2-me... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	3.22 ug/L	83498	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	91
2	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	91
3	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	90
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	90
5	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034813.D
Acq On : 25 Sep 2019 19:33
Operator : JC/SP
Sample : K4983-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF2

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

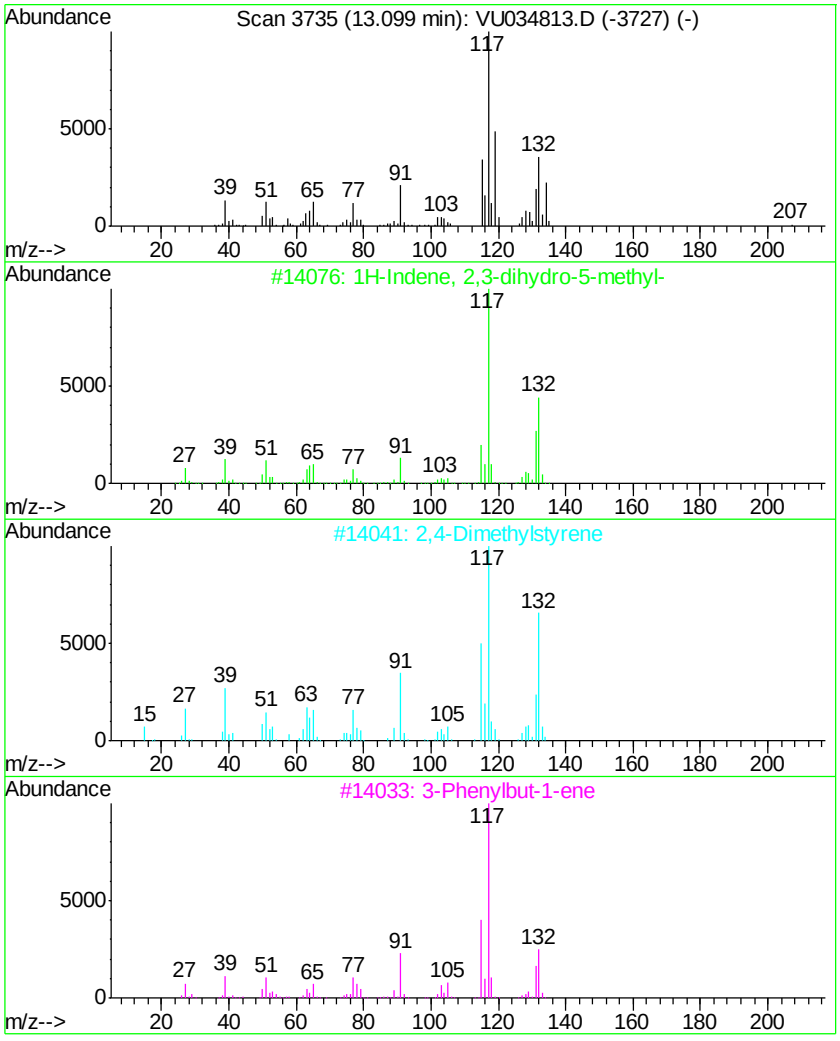
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

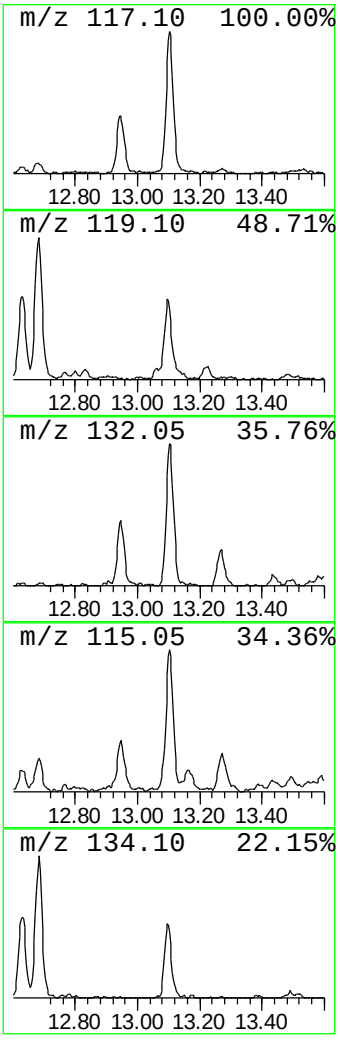
****

Peak Number 21 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	8.64 ug/L	224190	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	92
2	2,4-Dimethylstyrene	132	C10H12	002234-20-0	78
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	76
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	70
5	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	70





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034813.D
Acq On : 25 Sep 2019 19:33
Operator : JC/SP
Sample : K4983-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF2

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

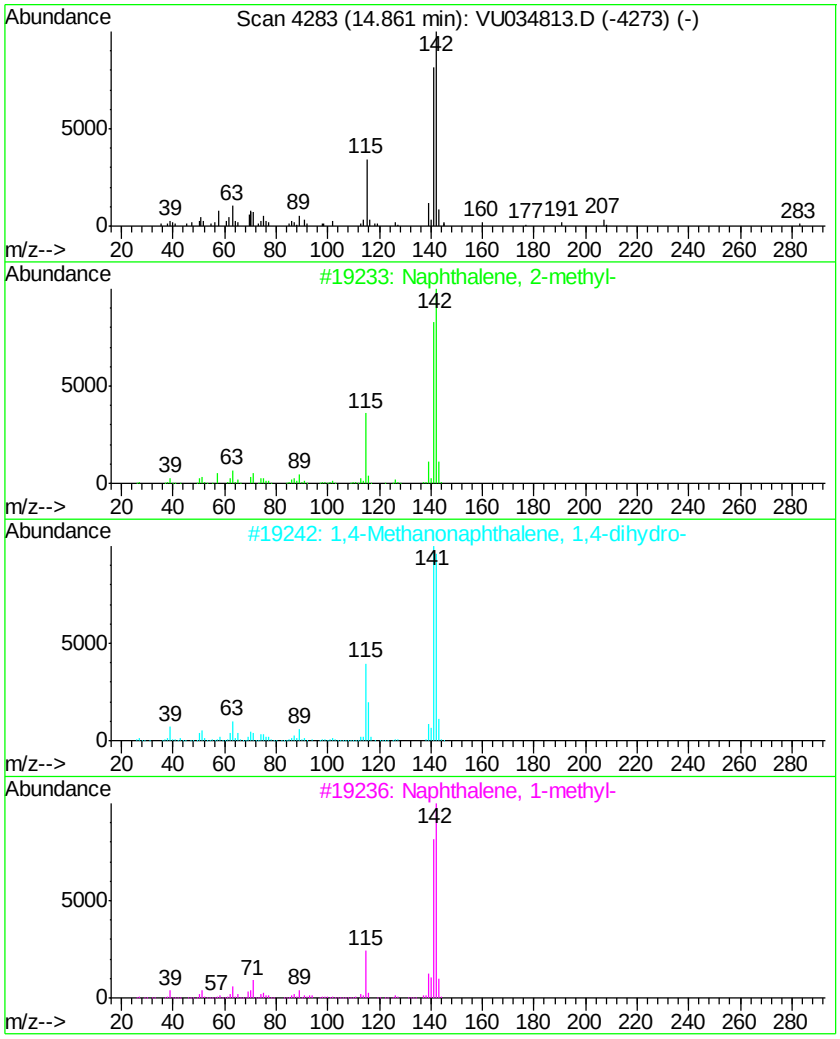
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

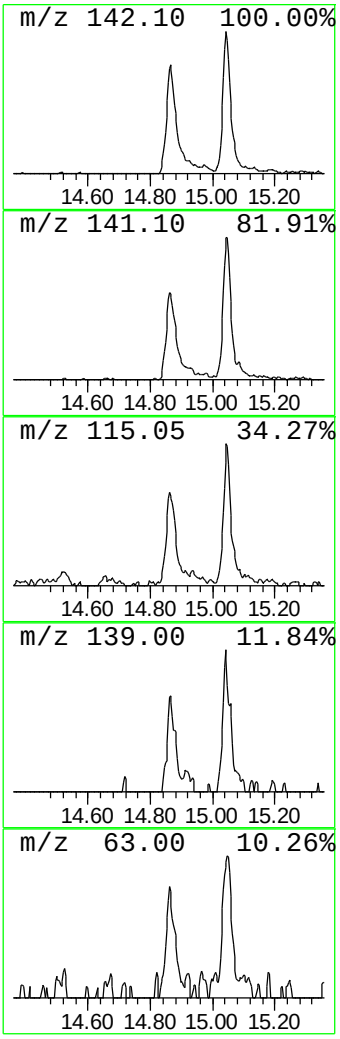
****

Peak Number 23 Naphthalene, 1-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	3.14 ug/L	81349	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91
2	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034813.D
Acq On : 25 Sep 2019 19:33
Operator : JC/SP
Sample : K4983-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF2

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	6.8	ug/L	147433	1	5.86	1090610	50.0
n-Propyl acetate	6.68	112.5	ug/L	2454380	1	5.86	1090610	50.0
Propanoic acid, 1...	7.40	15.1	ug/L	328408	1	5.86	1090610	50.0
Propanoic acid, 2...	8.13	21.9	ug/L	622344	2	9.07	1422740	50.0
Propanoic acid, p...	8.40	28.6	ug/L	815252	2	9.07	1422740	50.0
Butanoic acid, 1-...	8.88	43.4	ug/L	1234890	2	9.07	1422740	50.0
Benzene, propyl-	10.57	3.4	ug/L	88445	3	11.46	1297210	50.0
Benzene, 1-ethyl-...	10.66	18.4	ug/L	477767	3	11.46	1297210	50.0
Benzene, 1,2,3-tr...	11.13	31.9	ug/L	828360	3	11.46	1297210	50.0
Indane	11.74	9.5	ug/L	246075	3	11.46	1297210	50.0
Benzene, 4-ethyl-...	12.12	2.7	ug/L	69456	3	11.46	1297210	50.0
Benzene, 1-methyl...	12.23	4.1	ug/L	107077	3	11.46	1297210	50.0
Indan, 1-methyl-	12.33	4.6	ug/L	120082	3	11.46	1297210	50.0
Benzene, 1,2,3,4-...	12.63	3.7	ug/L	96256	3	11.46	1297210	50.0
Benzene, 1,2,4,5-...	12.68	5.5	ug/L	141629	3	11.46	1297210	50.0
1H-Indene, 2,3-di...	12.94	3.2	ug/L	83498	3	11.46	1297210	50.0
1H-Indene, 2,3-di...	13.10	8.6	ug/L	224190	3	11.46	1297210	50.0
Naphthalene, 1-me...	14.86	3.1	ug/L	81349	3	11.46	1297210	50.0