LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092519\
Data File : VU034822.D
Acq On : 25 Sep 2019 23:05
Operator : JC/SP
Sample : K4983-12
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ5

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	38	rVB4	10900	11424	0.38%	0.040%
2	1.392	87	94	107	rVB	301091	316656	10.48%	1.118%
3	1.466	111	117	126	rVB	64266	70716	2.34%	0.250%
4	1.672	173	181	193	rBV	249140	312741	10.35%	1.104%
5	2.257	353	363	372	rBV	437128	668007	22.10%	2.358%
6	2.306	373	378	395	rVB	81248	128681	4.26%	0.454%
7	2.524	443	446	450	rBV4	1866	1604	0.05%	0.006%
8	2.569	458	460	465	rBV2	810	792	0.03%	0.003%
9	2.598	465	469	472	rBV4	3307	3274	0.11%	0.012%
10	2.685	483	496	515	rBV	206865	376658	12.46%	1.330%
11	2.907	562	565	568	rBV4	1075	698	0.02%	0.002%
12	2.974	580	586	587	rBV5	2905	2038	0.07%	0.007%
13	3.055	608	611	615	rVB2	1744	1286	0.04%	0.005%
14	3.093	619	623	624	rBV2	1522	1003	0.03%	0.004%
15	3.113	627	629	631	rVV2	1235	692	0.02%	0.002%
16	3.164	633	645	659	rVV	21554	47021	1.56%	0.166%
17	3.225	662	664	667	rVB4	2082	1047	0.03%	0.004%
18	3.344	696	701	703	rBV4	796	656	0.02%	0.002%
19	3.379	709	712	713	rBV3	1303	807	0.03%	0.003%
20	3.402	716	719	727	rVB7	1370	1602	0.05%	0.006%
21	3.514	750	754	758	rBV6	1880	1743	0.06%	0.006%
22	3.550	758	765	768	rBV6	3620	5075	0.17%	0.018%
23	3.804	842	844	850	rVB7	1403	1302	0.04%	0.005%
24	3.936	882	885	886	rBV2	1612	789	0.03%	0.003%
25	4.042	915	918	919	rBV3	1176	637	0.02%	0.002%
26	4.148	939	951	974	rBV	229460	621263	20.56%	2.193%
27	4.412	1029	1033	1035	rBV4	2074	1523	0.05%	0.005%
28	4.624	1082	1099	1119	rBV	335611	805806	26.66%	2.845%
29	4.807	1154	1156	1158	rVB2	1818	782	0.03%	0.003%
30	4.842	1165	1167	1168	rBV2	1565	643	0.02%	0.002%
31	4.961	1198	1204	1206	rBV5	4783	4768	0.16%	0.017%
32	5.035	1224	1227	1230	rVB4	1362	672	0.02%	0.002%
33	5.061	1231	1235	1238	rVV4	1340	1080	0.04%	0.004%
34	5.096	1242	1246	1250	rVB6	869	789	0.03%	0.003%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092519\
Data File : VU034822.D
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Operator : JC/SP
Sample : K4983-12
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ5

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	5.145	1258	1261	1264	rBV3	1009	777	0.03%	0.003%
36	5.183	1270	1273	1275	rBV4	1262	792	0.03%	0.003%
37	5.315	1291	1314	1348	rVV2	728000	2162374	71.55%	7.635%
38	5.527	1369	1380	1398	rBV	78195	166686	5.52%	0.589%
39	5.817	1468	1470	1471	rBV2	1481	679	0.02%	0.002%
40	5.865	1472	1485	1507	rBV	579252	1267052	41.92%	4.473%
41	6.309	1609	1623	1640	rBV	498829	1007367	33.33%	3.557%
42	6.559	1697	1701	1705	rBV	10009	12296	0.41%	0.043%
43	6.685	1728	1740	1768	rBV	1652288	3022256	100.00%	10.670%
44	7.206	1889	1902	1922	rBV	281931	518401	17.15%	1.830%
45	7.399	1952	1962	1990	rVB	209732	377639	12.50%	1.333%
46	7.543	1995	2007	2024	rBV	1000139	1771840	58.63%	6.256%
47	7.826	2085	2095	2117	rBV	238066	434290	14.37%	1.533%
48	8.029	2155	2158	2161	rBV5	1469	1169	0.04%	0.004%
49	8.064	2167	2169	2170	rBV2	1598	612	0.02%	0.002%
50	8.132	2179	2190	2207	rBV	373570	620488	20.53%	2.191%
51	8.215	2208	2216	2217	rBV2	21464	24133	0.80%	0.085%
52	8.289	2229	2239	2262	rBV	905890	1539109	50.93%	5.434%
53	8.395	2262	2272	2300	rVB	618000	1026336	33.96%	3.624%
54	8.508	2301	2307	2318	rVB	23514	39634	1.31%	0.140%
55	8.743	2378	2380	2383	rBV3	1561	975	0.03%	0.003%
56	8.881	2412	2423	2452	rBV	762022	1230969	40.73%	4.346%
57	9.067	2463	2481	2509	rBV	841436	1484396	49.12%	5.241%
58	9.231	2523	2532	2542	rVB2	38406	62697	2.07%	0.221%
59	9.308	2554	2556	2558	rBV3	3001	2028	0.07%	0.007%
60	9.353	2560	2570	2584	rVB	148454	252986	8.37%	0.893%
61	9.421	2589	2591	2594	rBV2	1788	1314	0.04%	0.005%
62	9.585	2635	2642	2652	rBV2	18873	33092	1.09%	0.117%
63	9.752	2683	2694	2716	rBV3	180345	345557	11.43%	1.220%
64	9.858	2723	2727	2729	rBV4	1828	1338	0.04%	0.005%
65	10.022	2770	2778	2784	rBV9	6487	9484	0.31%	0.033%
66	10.144	2806	2816	2834	rVB	63555	104946	3.47%	0.371%
67	10.292	2859	2862	2864	rBV3	3074	2010	0.07%	0.007%
68	10.328	2871	2873	2876	rBV4	1596	597	0.02%	0.002%
69	10.408	2885	2898	2914	rBV	685514	1112361	36.81%	3.927%
70	10.566	2937	2947	2964	rBV	76666	129978	4.30%	0.459%
71	10.659	2968	2976	2981	rBV2	44493	71072	2.35%	0.251%

LSC Area Percent Report

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Acq On : 25 Sep 2019 23:05
Operator : JC/SP
Sample : K4983-12
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ5

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	10.749	2997	3004	3016	rVB4	40223	59347	1.96%	0.210%
73	10.897	3042	3050	3056	rVV6	14408	22865	0.76%	0.081%
74	10.948	3058	3066	3085	rVB2	92274	164382	5.44%	0.580%
75	11.125	3111	3121	3141	rVB	315912	499524	16.53%	1.764%
76	11.460	3214	3225	3243	rBV	823322	1332362	44.09%	4.704%
77	11.546	3243	3252	3266	rVB	156915	245199	8.11%	0.866%
78	11.742	3303	3313	3331	rBV	183756	337073	11.15%	1.190%
79	11.836	3331	3342	3363	rVB	953946	1636555	54.15%	5.778%
80	12.125	3424	3432	3437	rBV2	42288	67437	2.23%	0.238%
81	12.228	3456	3464	3472	rBV2	94607	144086	4.77%	0.509%
82	12.331	3488	3496	3522	rVB2	62729	135631	4.49%	0.479%
83	12.527	3551	3557	3568	rVB4	23913	37842	1.25%	0.134%
84	12.595	3572	3578	3579	rVV2	16579	17123	0.57%	0.060%
85	12.630	3583	3589	3597	rVV	77567	113464	3.75%	0.401%
86	12.681	3597	3605	3620	rVB	102805	167464	5.54%	0.591%
87	12.868	3656	3663	3664	rBV6	7008	8214	0.27%	0.029%
88	12.945	3679	3687	3702	rVB2	54580	89624	2.97%	0.316%
89	13.103	3727	3736	3746	rVB3	161216	251597	8.32%	0.888%
90	13.270	3781	3788	3802	rVB5	25765	45944	1.52%	0.162%
91	13.379	3813	3822	3833	rBV5	14344	26544	0.88%	0.094%
92	13.437	3835	3840	3847	rVB4	15963	21112	0.70%	0.075%
93	13.492	3849	3857	3862	rBV4	27243	41988	1.39%	0.148%
94	13.723	3915	3929	3954	rBV	105350	228336	7.56%	0.806%
95	14.138	4052	4058	4071	rVB4	14761	25395	0.84%	0.090%
96	14.318	4105	4114	4126	rBV7	16485	38650	1.28%	0.136%
97	14.424	4144	4147	4150	rBV5	3535	2946	0.10%	0.010%
98	14.578	4192	4195	4196	rBV3	2430	1489	0.05%	0.005%
99	14.858	4273	4282	4296	rBV	64792	122079	4.04%	0.431%
100	15.041	4328	4339	4354	rBV	109087	205339	6.79%	0.725%

Sum of corrected areas: 28323616

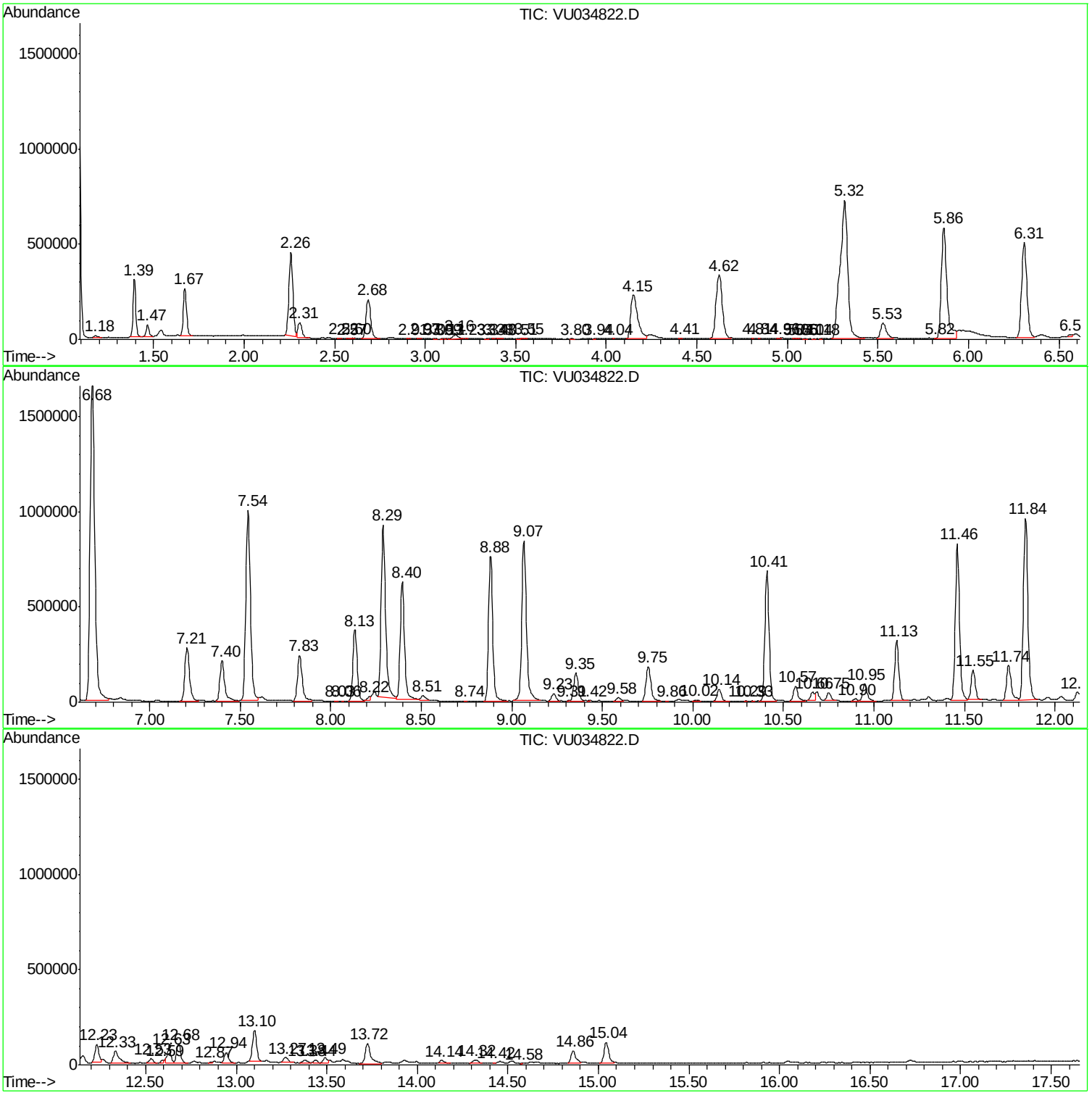
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034822.D
Acq On : 25 Sep 2019 23:05
Operator : JC/SP
Sample : K4983-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ5

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 : VU034822.D
Acq On : 25 Sep 2019 23:05
Operator : JC/SP
Sample : K4983-12
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ5

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

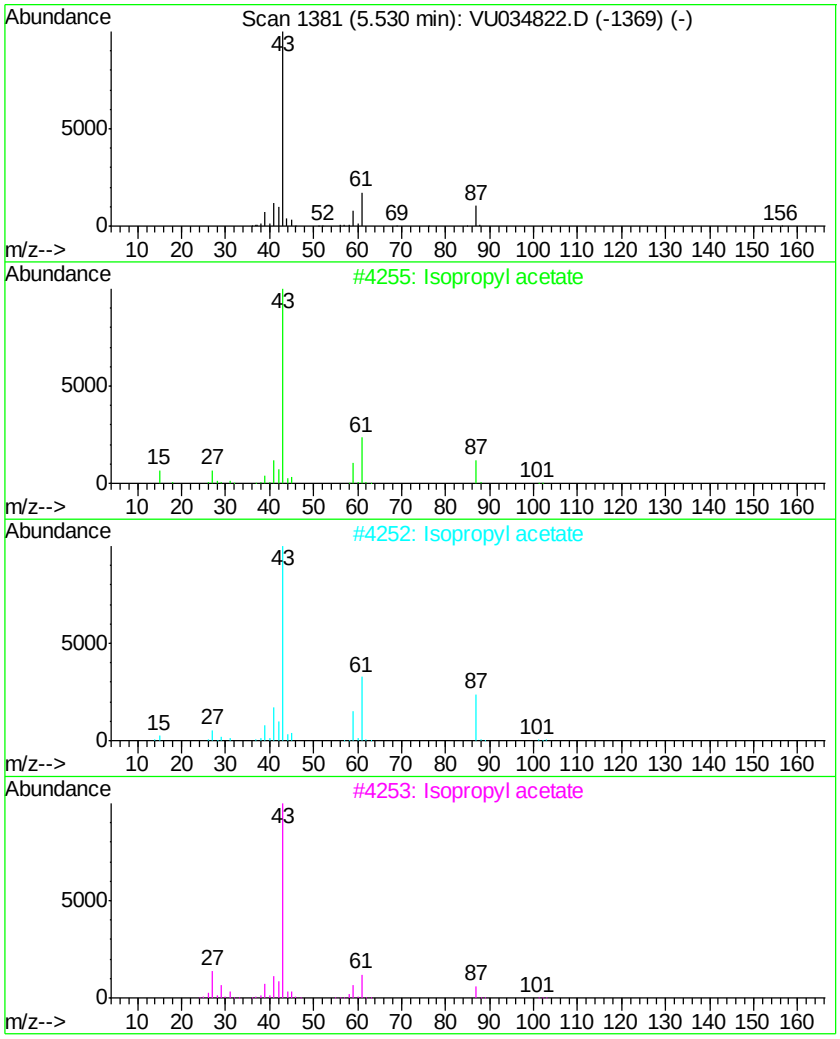
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

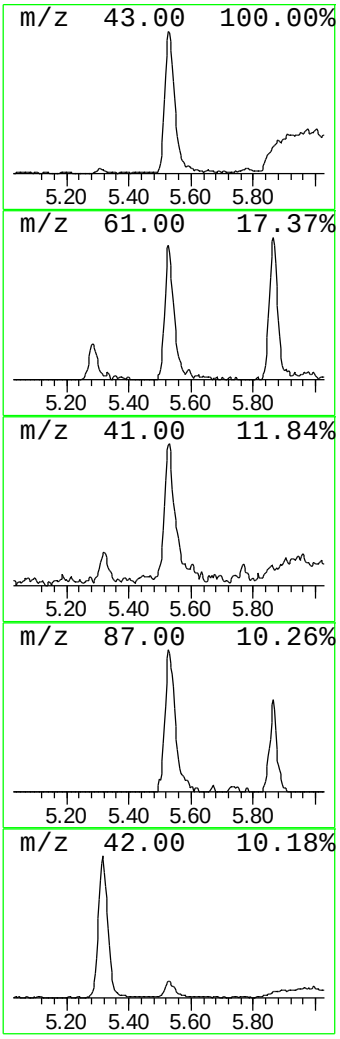
****

Peak Number 2 Isopropyl acetate Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.53	6.58 ug/L	166686	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	78
3	Isopropyl acetate	102	C5H10O2	000108-21-4	64
4	Isopropyl acetate	102	C5H10O2	000108-21-4	64
5	2-Pentanol, acetate	130	C7H14O2	000626-38-0	33





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092519\
Data File : VU034822.D
Acq On : 25 Sep 2019 23:05
Operator : JC/SP
Sample : K4983-12
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ5

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

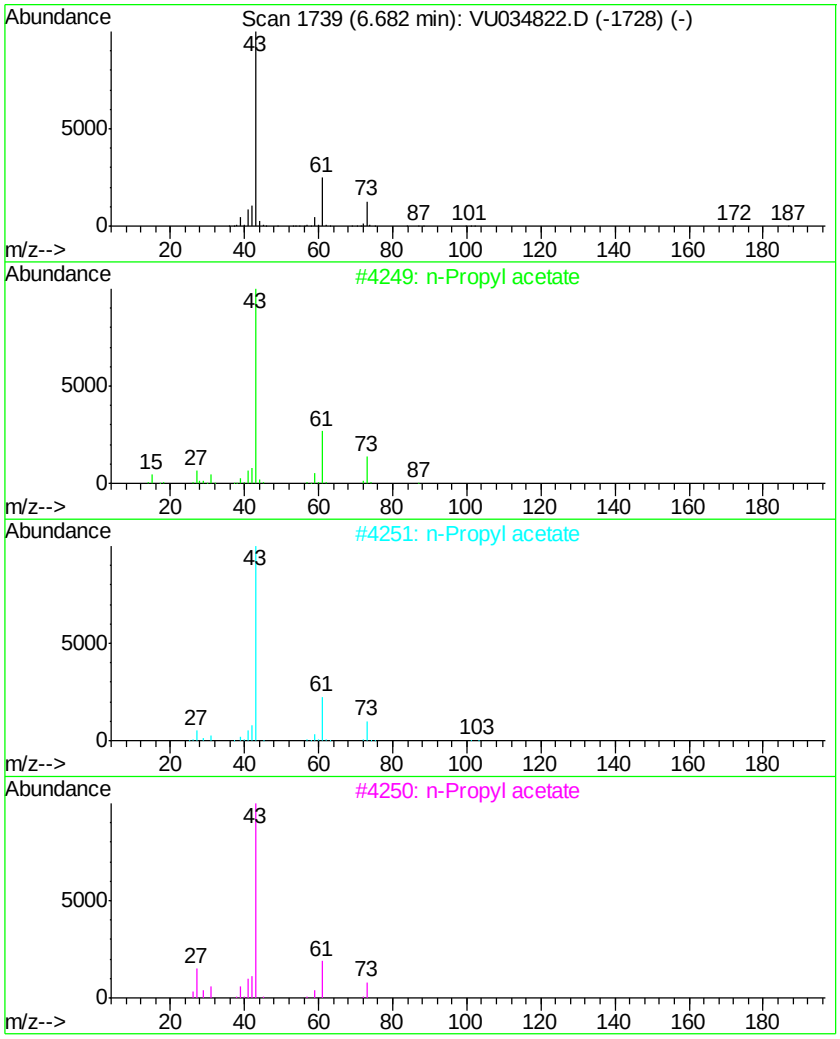
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

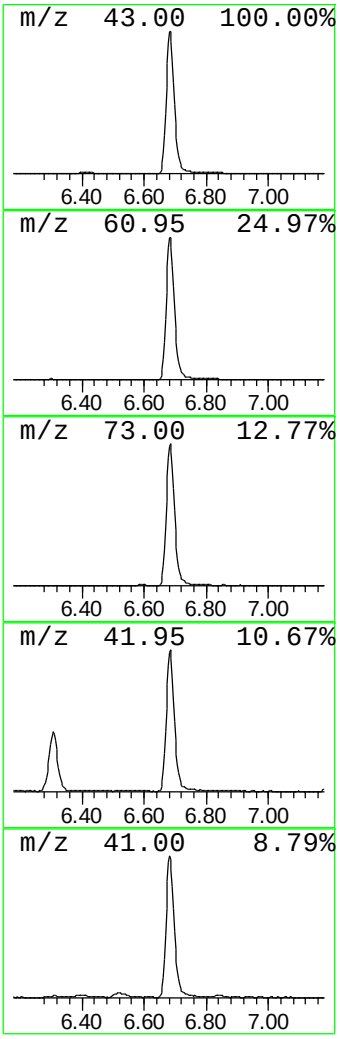
****

Peak Number 3 n-Propyl acetate Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	119.26 ug/L	3022260	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	72
4	Isopropyl acetate	102	C5H10O2	000108-21-4	38
5	Isopropyl acetate	102	C5H10O2	000108-21-4	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034822.D
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ALS Vial : 33 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ5

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

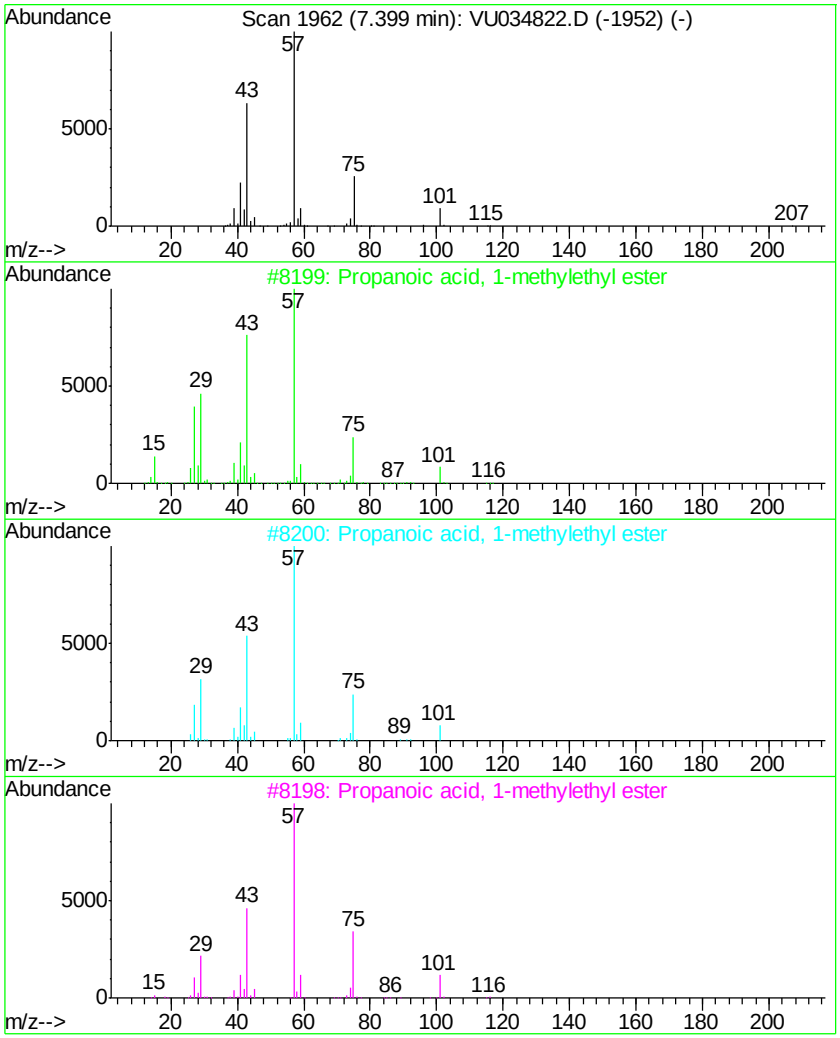
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

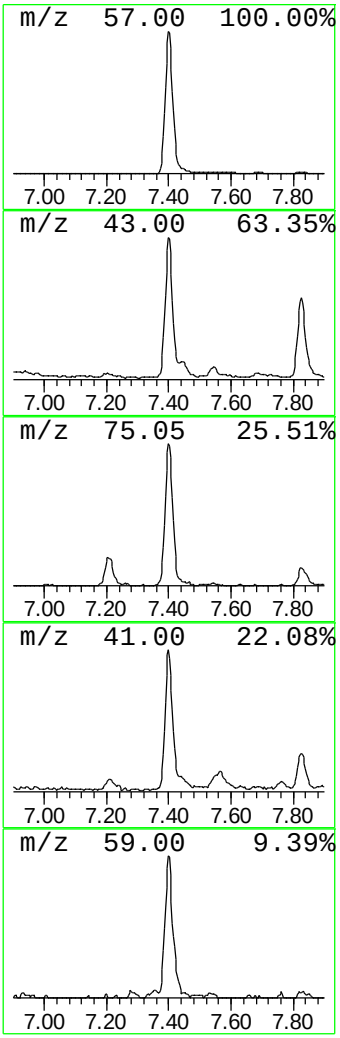
****

Peak Number 5 Propanoic acid, 1-methyleth... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.40	14.90 ug/L	377639	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	78
4	Propanoic acid, 1-methylethyl ester	116	C6H12O2	000637-78-5	45
5	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
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Acq On : 25 Sep 2019 23:05
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Sample : K4983-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ5

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

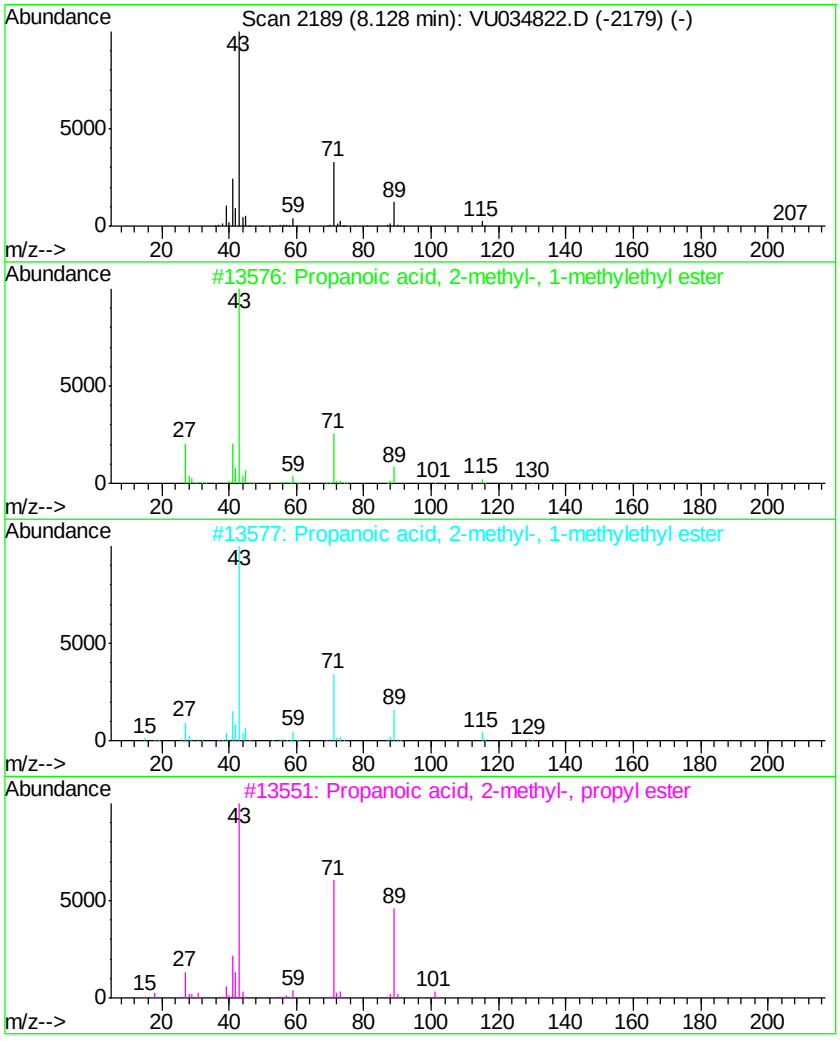
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

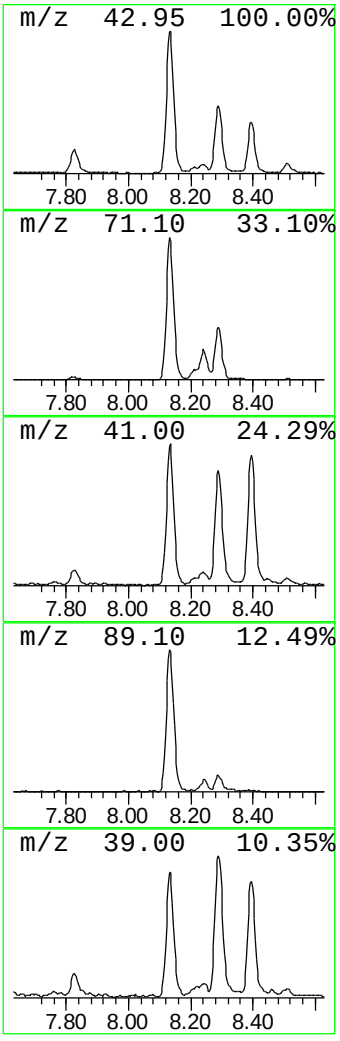
****

Peak Number 6 Propanoic acid, 2-methyl-, ... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.13	20.90 ug/L	620488	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-, propy...	130	C7H14O2	000644-49-5	78
4	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	72
5	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034822.D
Acq On : 25 Sep 2019 23:05
Operator : JC/SP
Sample : K4983-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ5

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

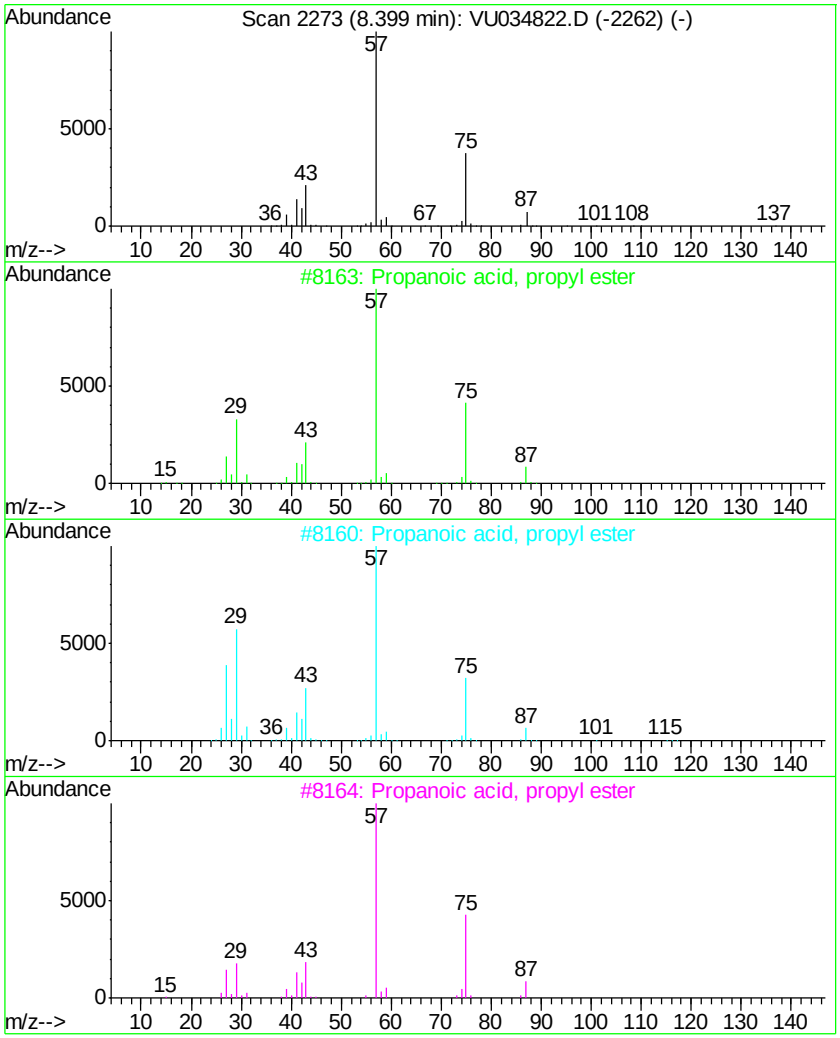
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

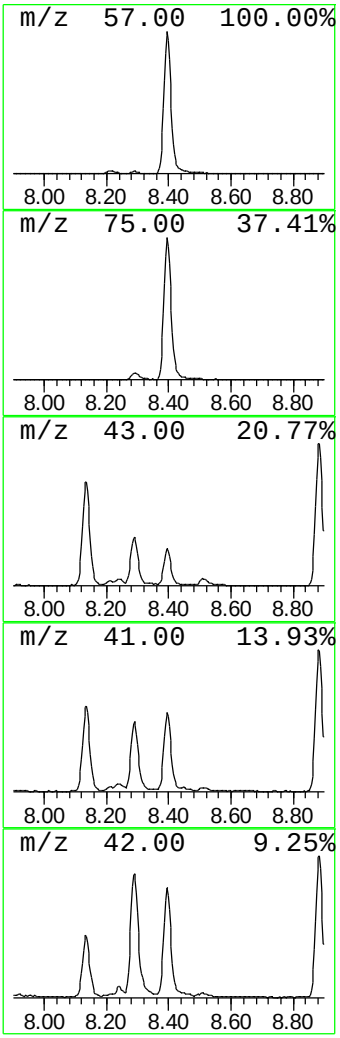
****

Peak Number 7 Propanoic acid, propyl ester Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.40	34.57 ug/L	1026340	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	83
2	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	83
3	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	78
4	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	64
5	Propanoic acid, butyl ester	130	C7H14O2	000590-01-2	33





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092519\
Data File : VU034822.D
Acq On : 25 Sep 2019 23:05
Operator : JC/SP
Sample : K4983-12
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ5

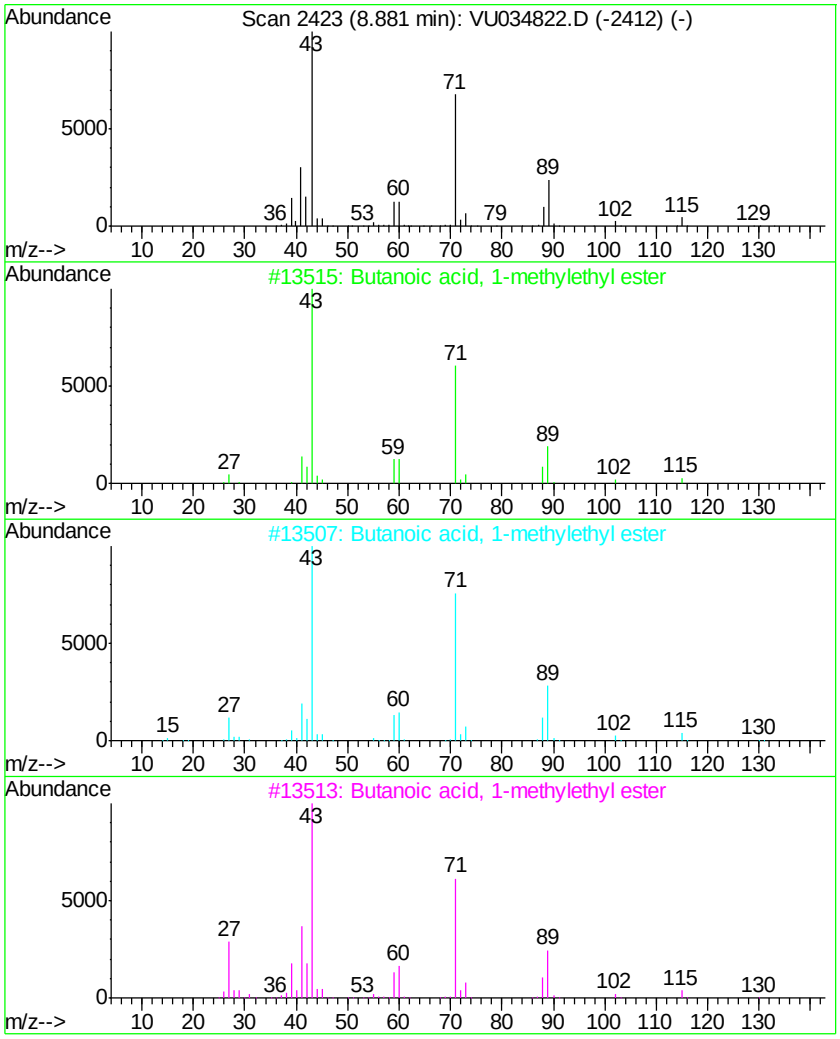
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

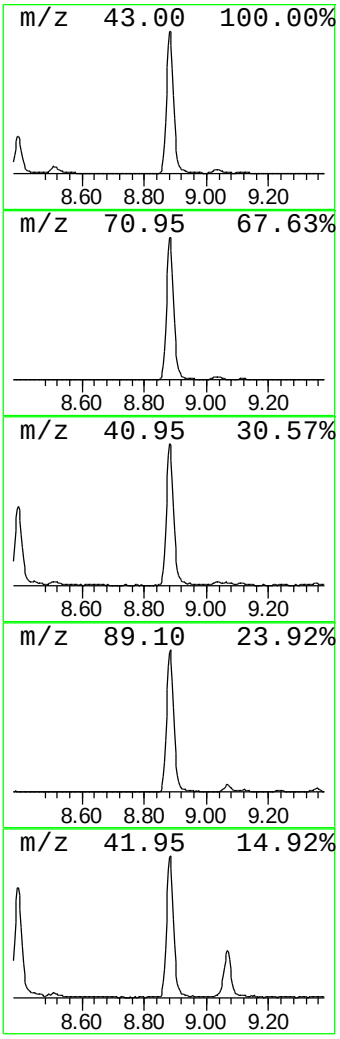
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Butanoic acid, 1-methylethy... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.88	41.46 ug/L	1230970	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	78
5	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	72





Library Search Compound Report

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Data File : VU034822.D
Acq On : 25 Sep 2019 23:05
Operator : JC/SP
Sample : K4983-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ5

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

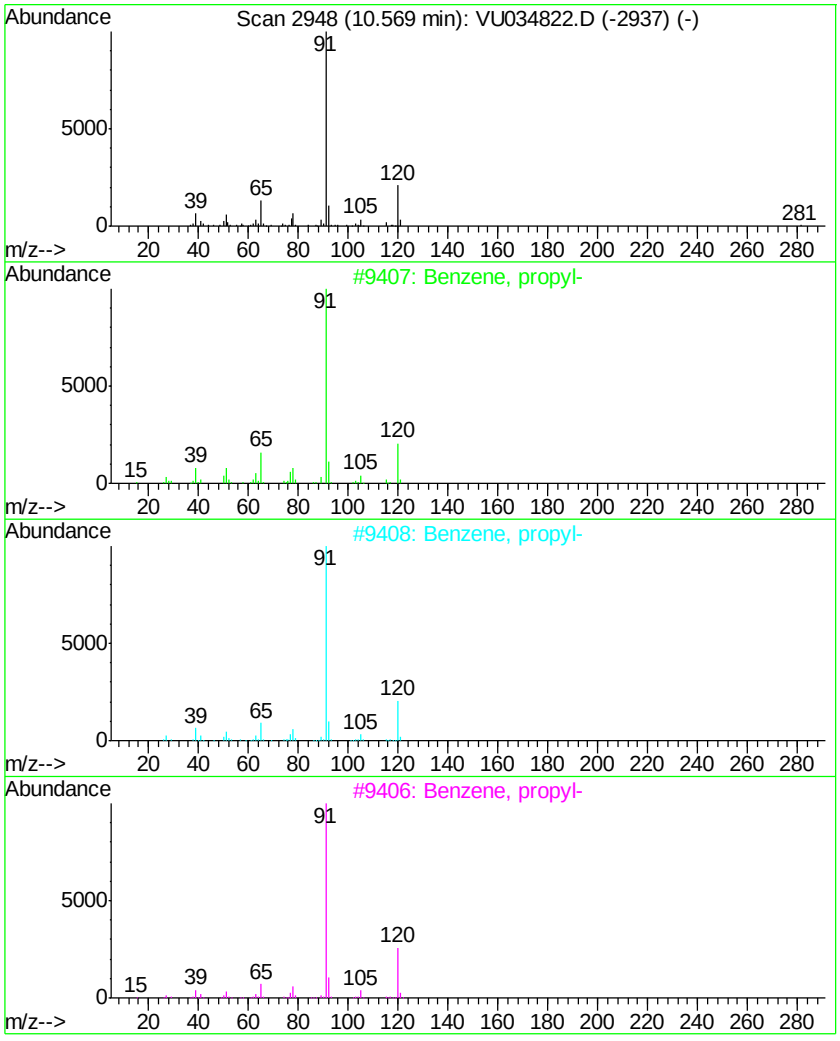
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

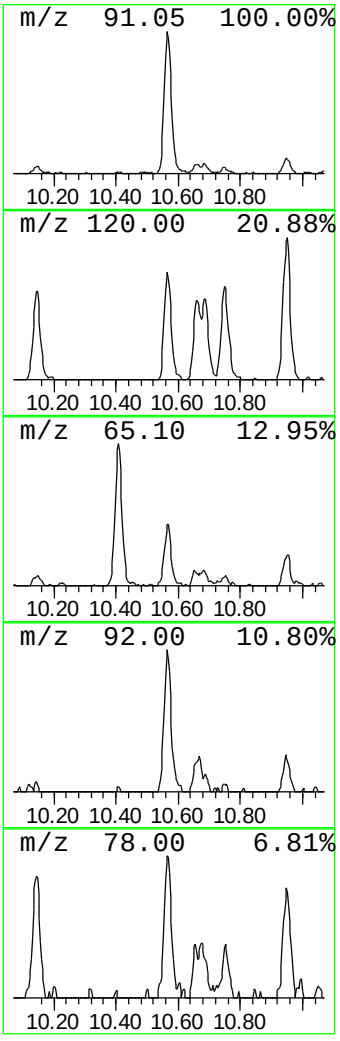
****

Peak Number 9 Benzene, propyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.57	4.88 ug/L	129978	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	90
2	Benzene, propyl-	120	C9H12	000103-65-1	87
3	Benzene, propyl-	120	C9H12	000103-65-1	80
4	1,2-Ethanediamine, N,N'-bis(phen...	240	C16H20N2	000140-28-3	78
5	1,2-Ethanediamine, N-(phenylmeth...	150	C9H14N2	004152-09-4	78





Library Search Compound Report

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Data File : VU034822.D
Acq On : 25 Sep 2019 23:05
Operator : JC/SP
Sample : K4983-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ5

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

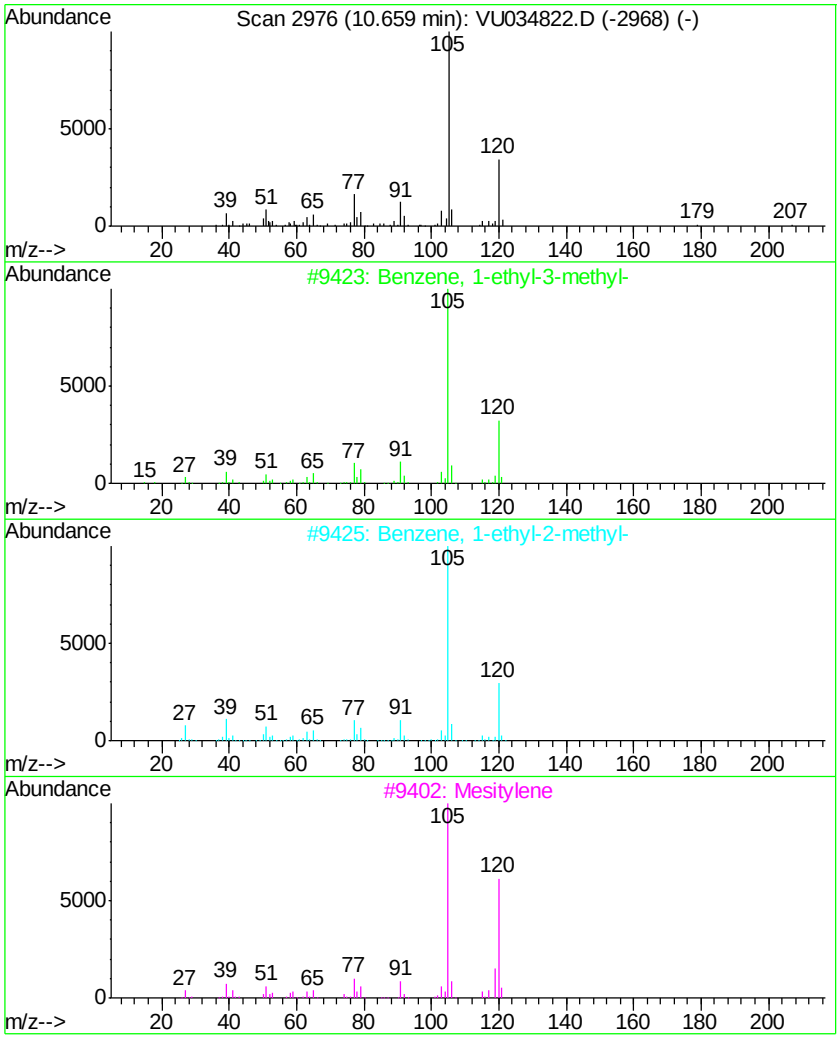
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

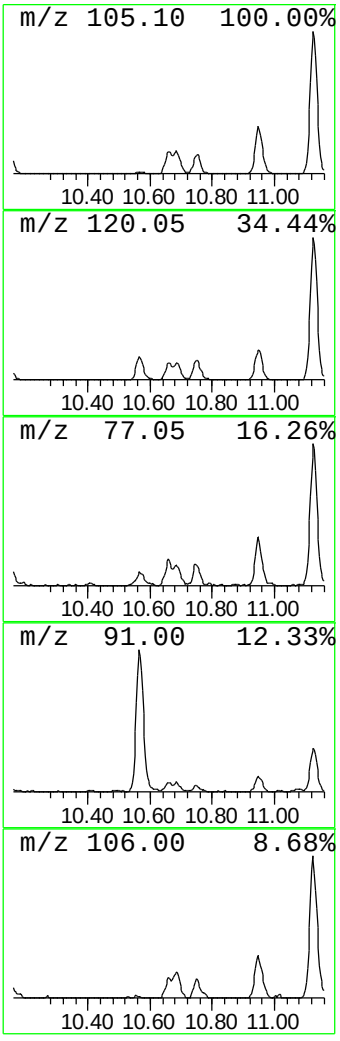
****

Peak Number 10 Benzene, 1-ethyl-3-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	2.67 ug/L	71072	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	94
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





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Data File : VU034822.D
Acq On : 25 Sep 2019 23:05
Operator : JC/SP
Sample : K4983-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ5

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

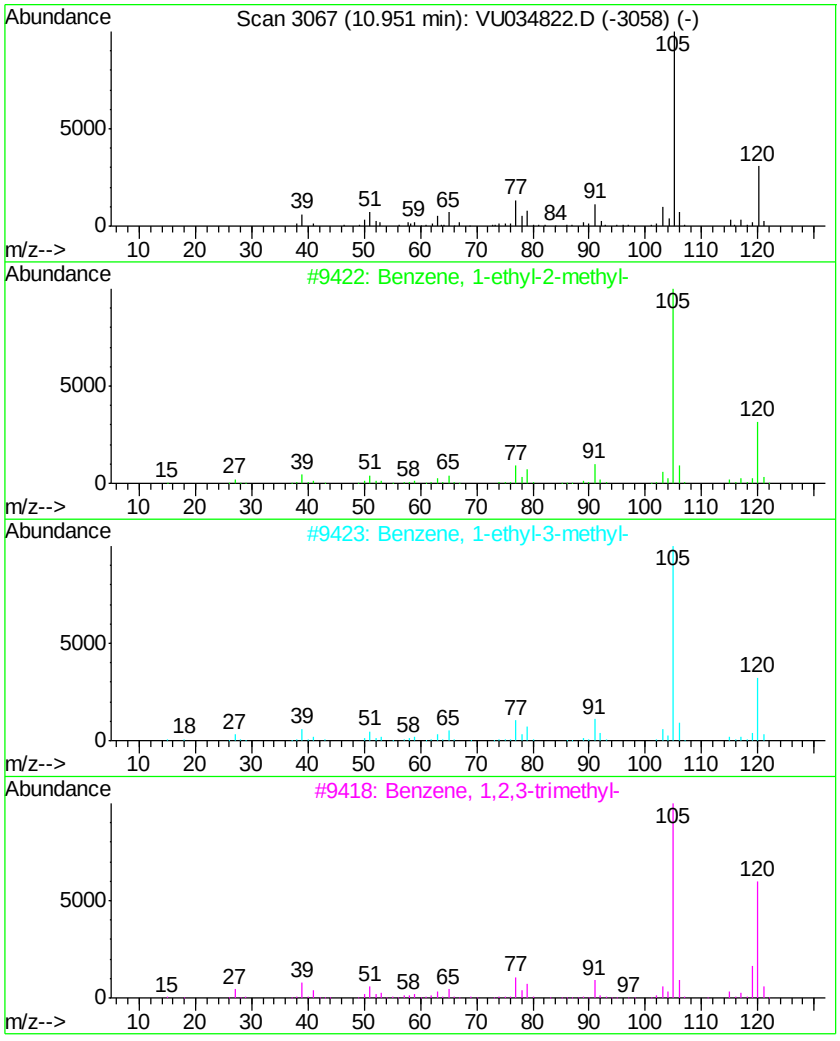
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

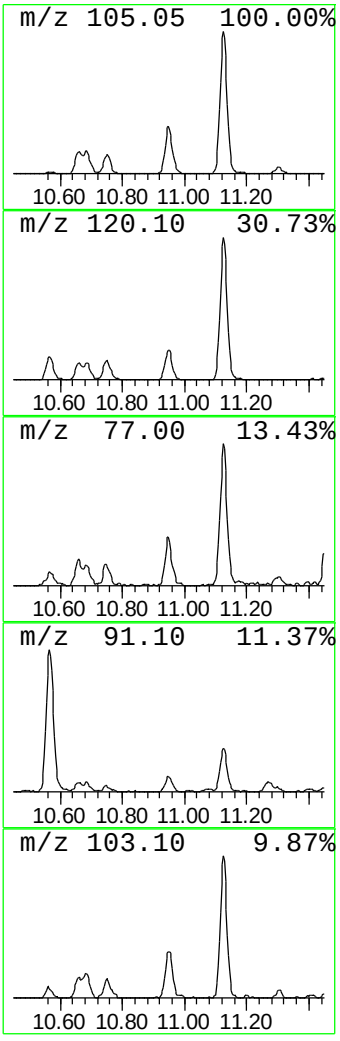
****

Peak Number 11 Benzene, 1-ethyl-2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.95	6.17 ug/L	164382	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-3-methyl-	120	C9H12	000620-14-4	94
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





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Acq On : 25 Sep 2019 23:05
Operator : JC/SP
Sample : K4983-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ5

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

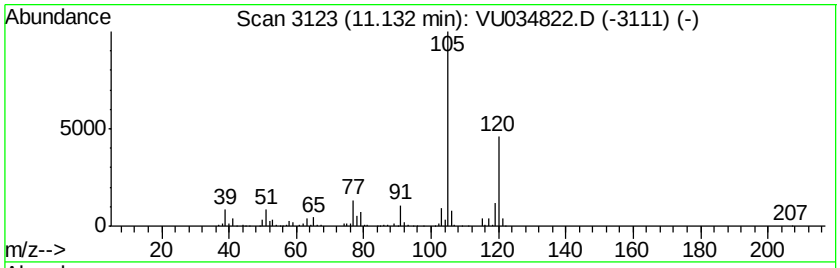
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

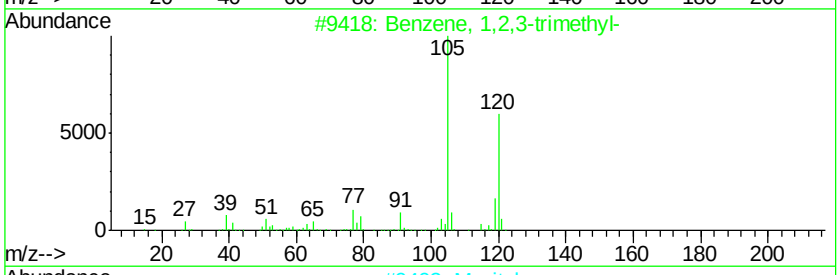
****

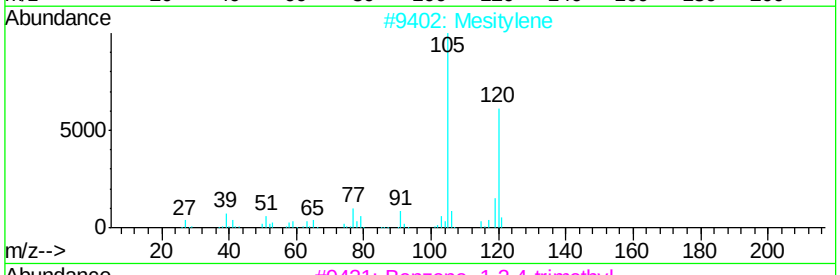
Peak Number 12 Benzene, 1,2,3-trimethyl- Concentration Rank 6

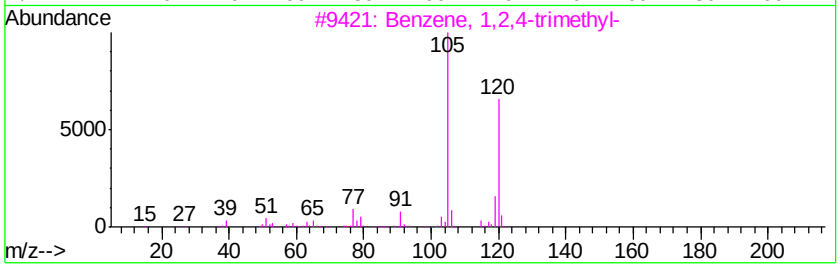
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.13	18.75 ug/L	499524	1,4-Dichlorobenzene-d4	11.46

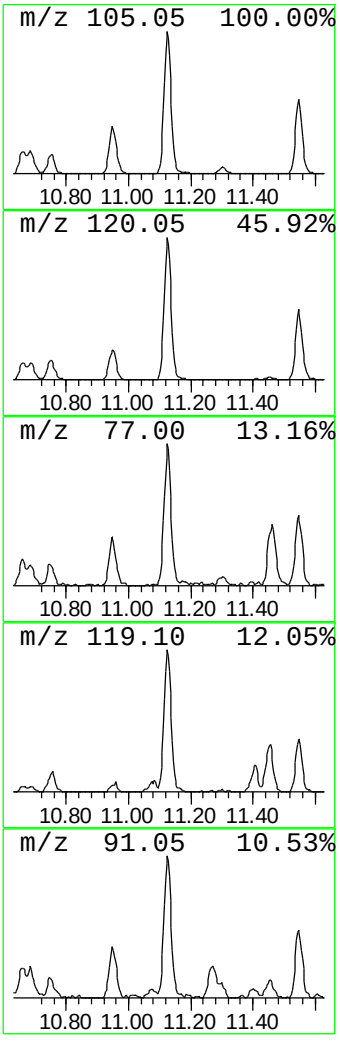
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2	Mesitylene	120	C9H12	000108-67-8	94
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94











Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092519\
Data File : VU034822.D
Acq On : 25 Sep 2019 23:05
Operator : JC/SP
Sample : K4983-12
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ5

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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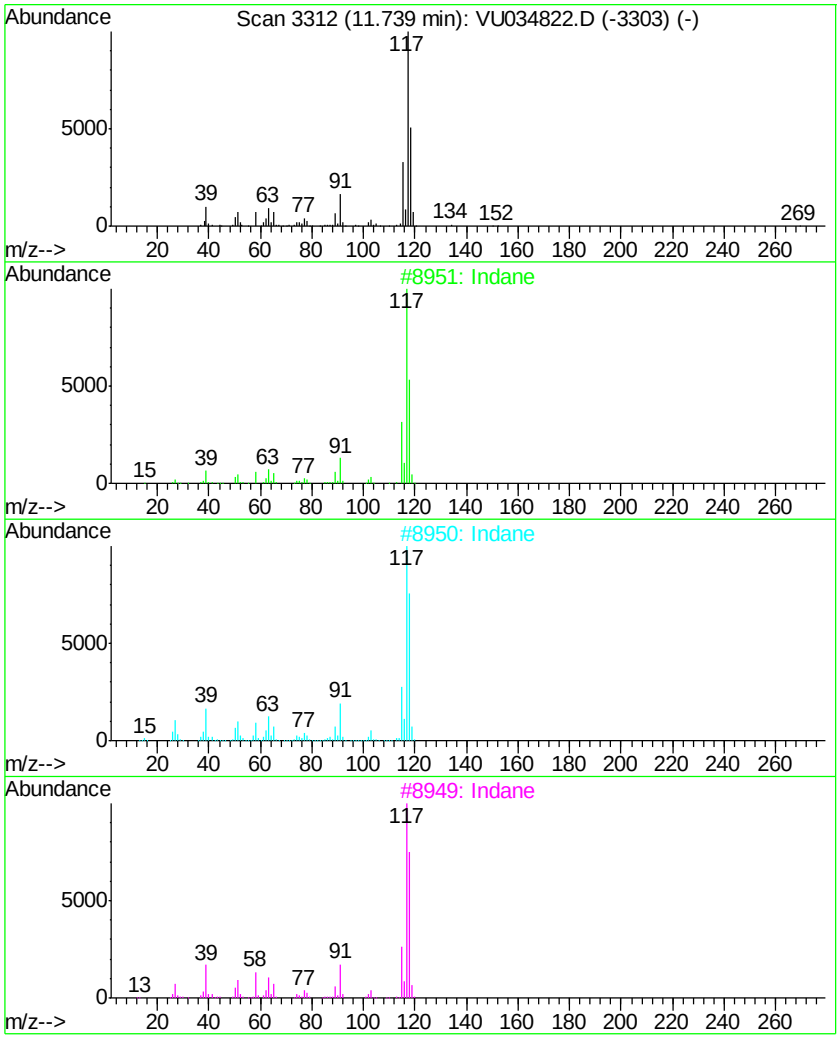
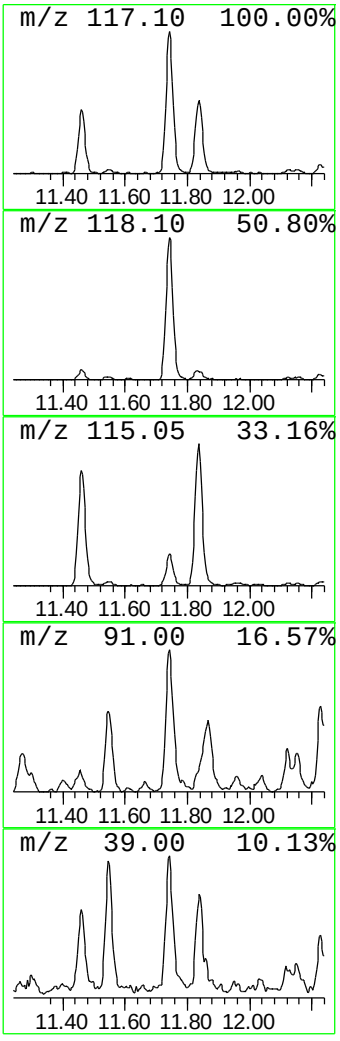
Peak Number 14 Indane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	12.65 ug/L	337073	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	95
2	Indane	118	C9H10	000496-11-7	94
3	Indane	118	C9H10	000496-11-7	91
4	Indane	118	C9H10	000496-11-7	81
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	74





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Acq On : 25 Sep 2019 23:05
Operator : JC/SP
Sample : K4983-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ5

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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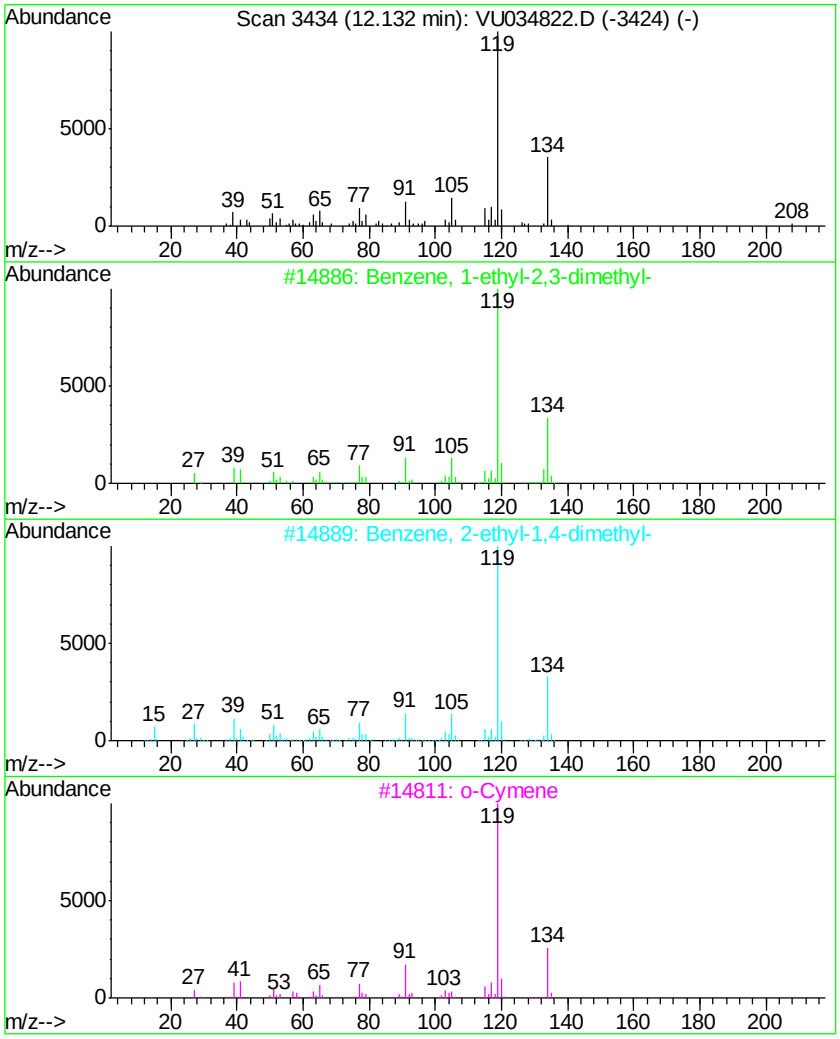
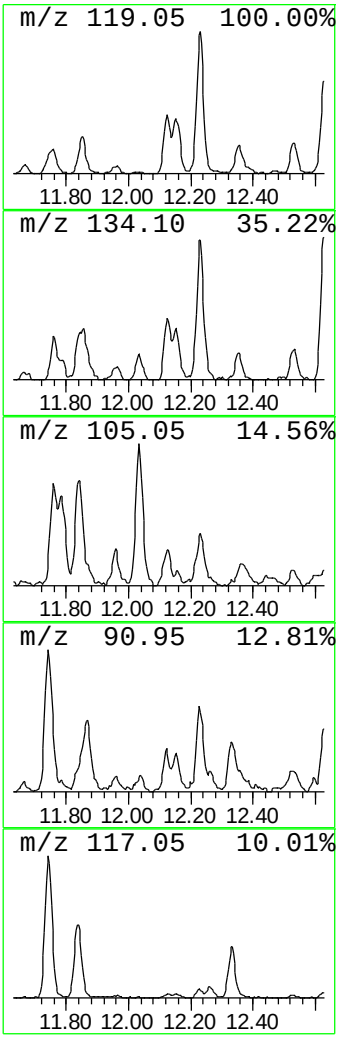
Peak Number 15 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	2.53 ug/L	67437	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	95
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94





Library Search Compound Report

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Data File : VU034822.D
Acq On : 25 Sep 2019 23:05
Operator : JC/SP
Sample : K4983-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ5

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

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

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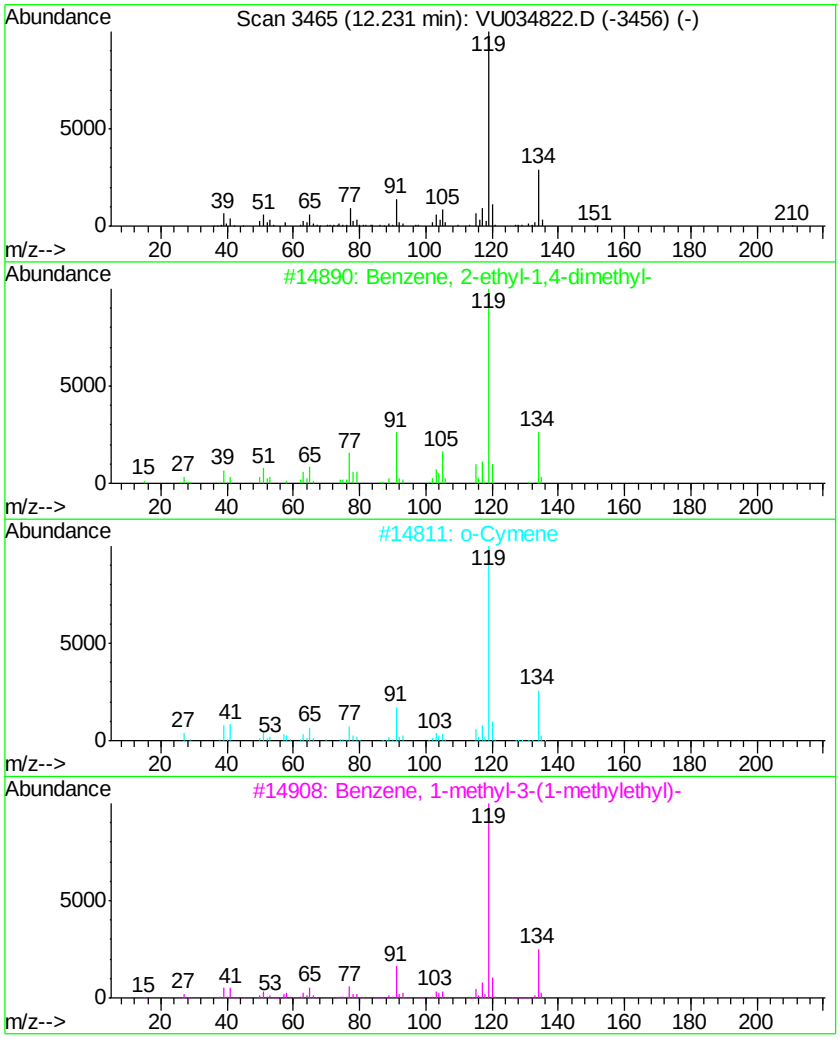
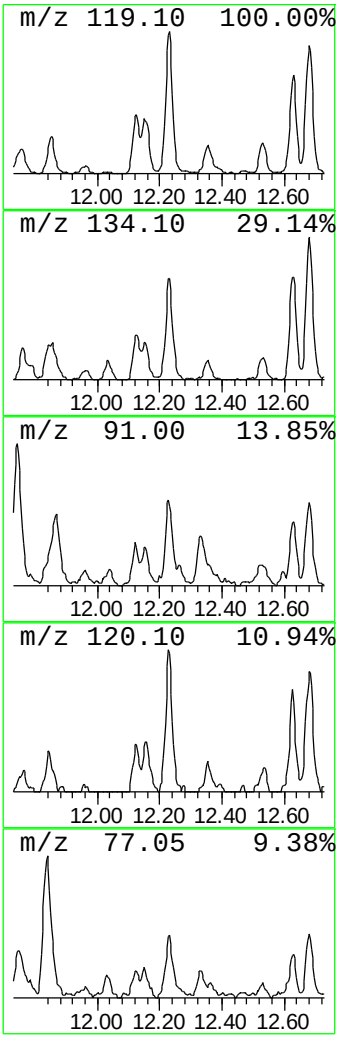
Peak Number 16 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	5.41 ug/L	144086	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	o-Cymene	134	C10H14	000527-84-4	95
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
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\VU092519\
Data File : VU034822.D
Acq On : 25 Sep 2019 23:05
Operator : JC/SP
Sample : K4983-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ5

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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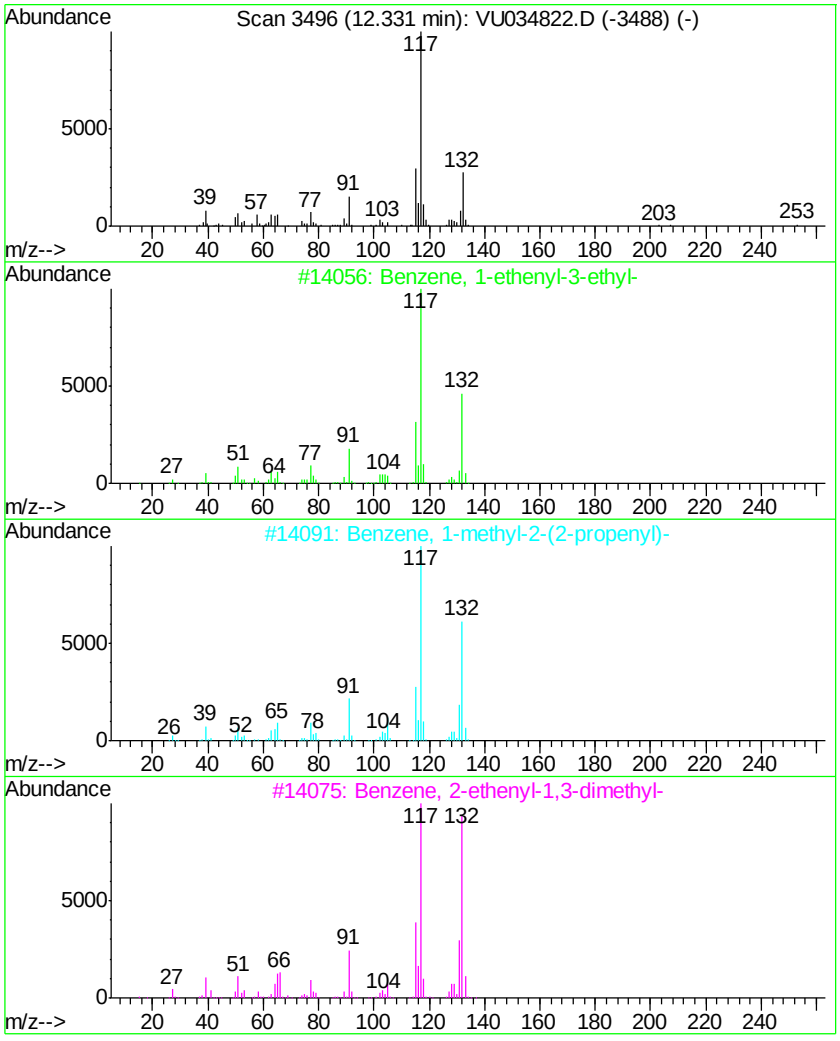
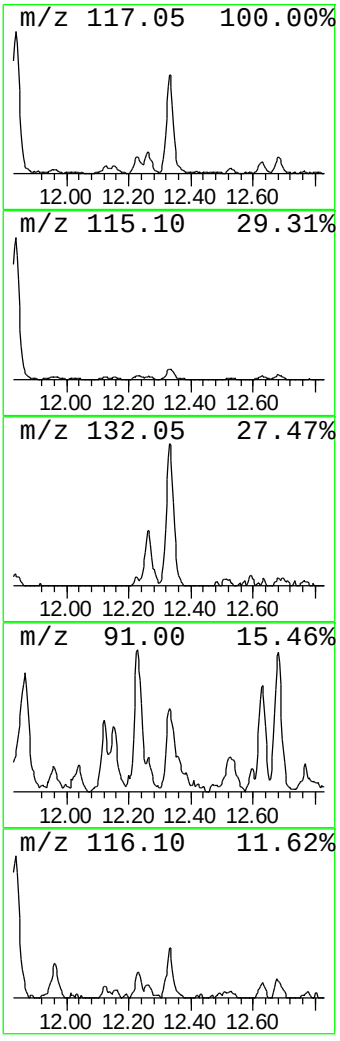
Peak Number 17 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	5.09 ug/L	135631	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90
2	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	90
3	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	90
4	Indan, 1-methyl-	132	C10H12	000767-58-8	87
5	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	87





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Data File : VU034822.D
Acq On : 25 Sep 2019 23:05
Operator : JC/SP
Sample : K4983-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ5

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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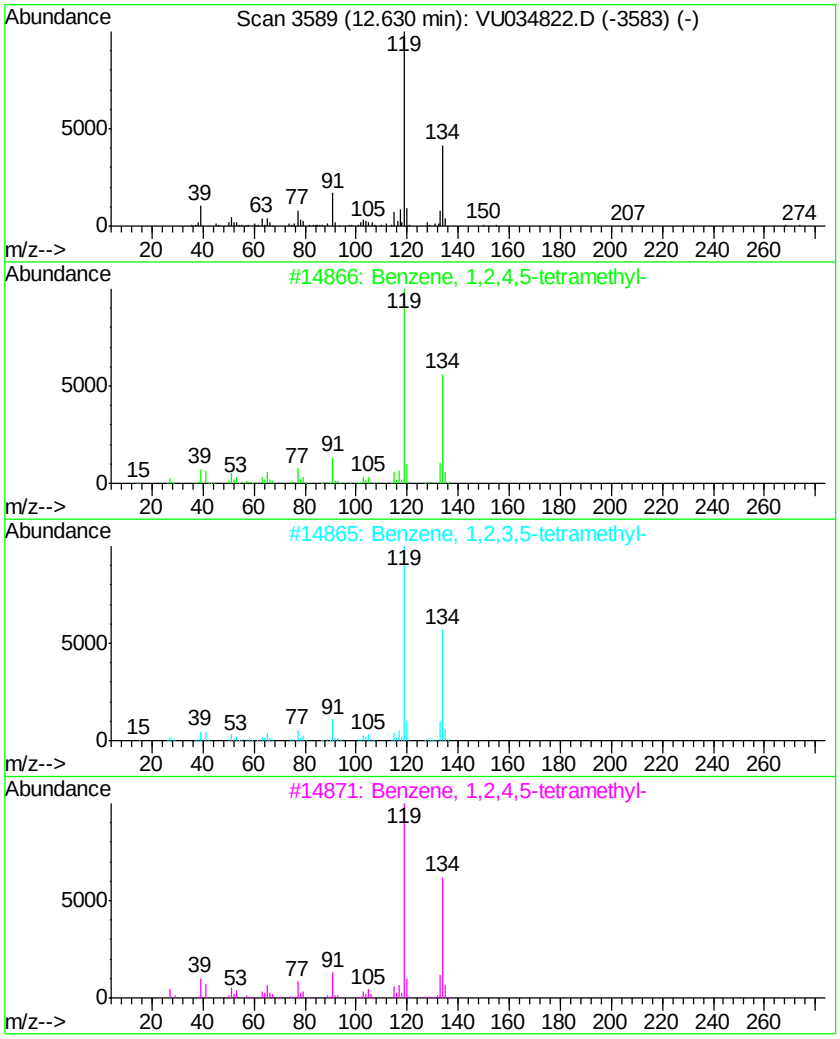
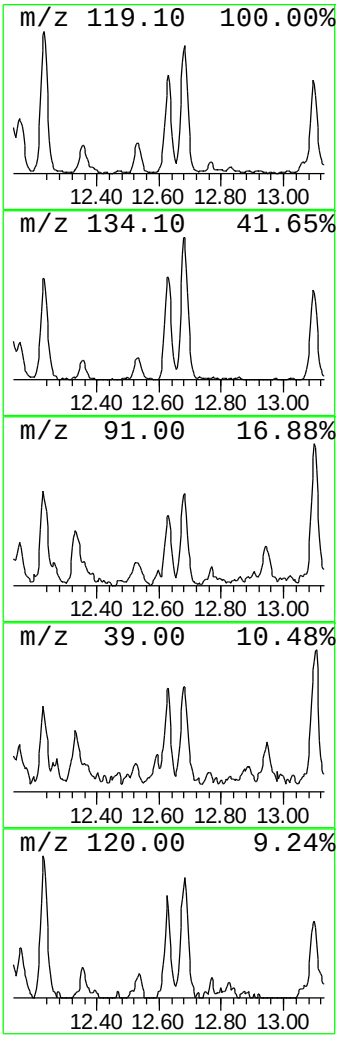
Peak Number 18 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	4.26 ug/L	113464	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034822.D
Acq On : 25 Sep 2019 23:05
Operator : JC/SP
Sample : K4983-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ5

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

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

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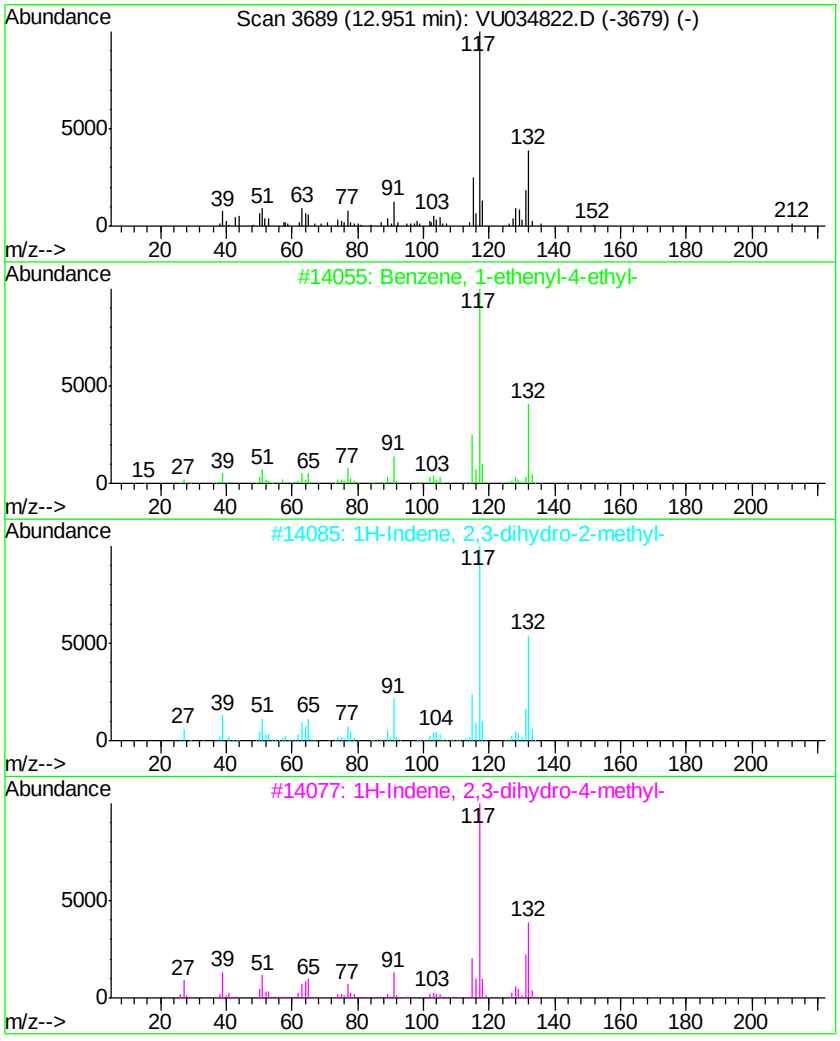
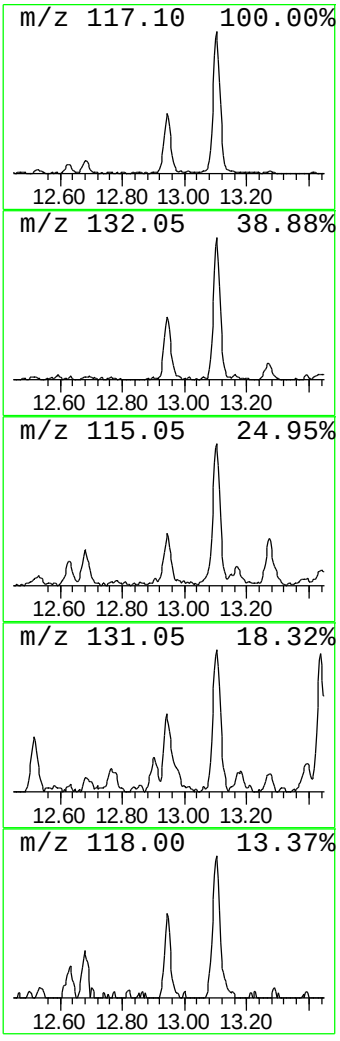
Peak Number 20 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.95	3.36 ug/L	89624	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	93
2	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	90
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	87
4	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	87
5	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	86





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Data File : VU034822.D
Acq On : 25 Sep 2019 23:05
Operator : JC/SP
Sample : K4983-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ5

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

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

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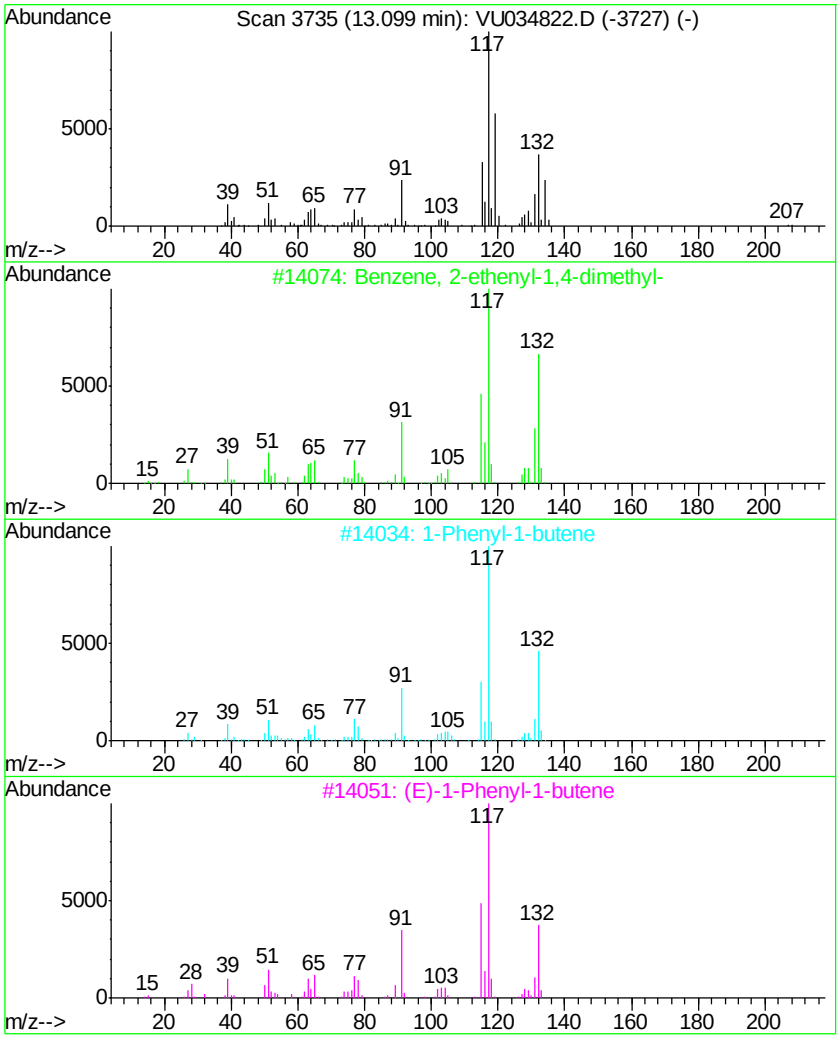
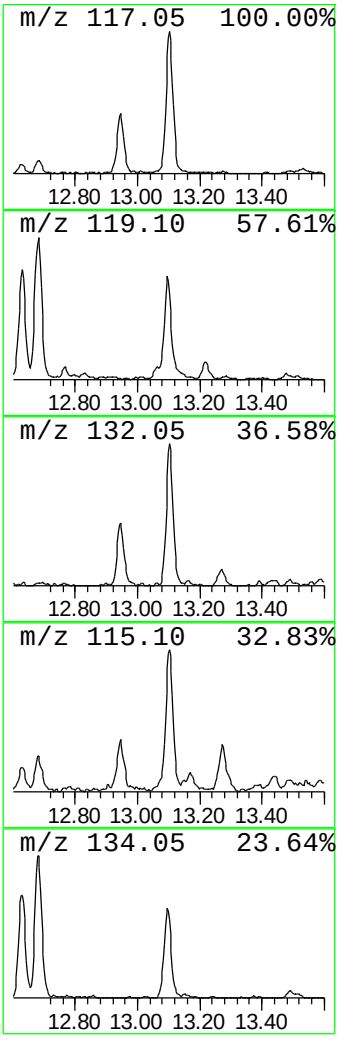
Peak Number 21 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	9.44 ug/L	251597	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	66
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	64
3	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	58
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	58
5	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	55





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092519\
Data File : VU034822.D
Acq On : 25 Sep 2019 23:05
Operator : JC/SP
Sample : K4983-12
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ5

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

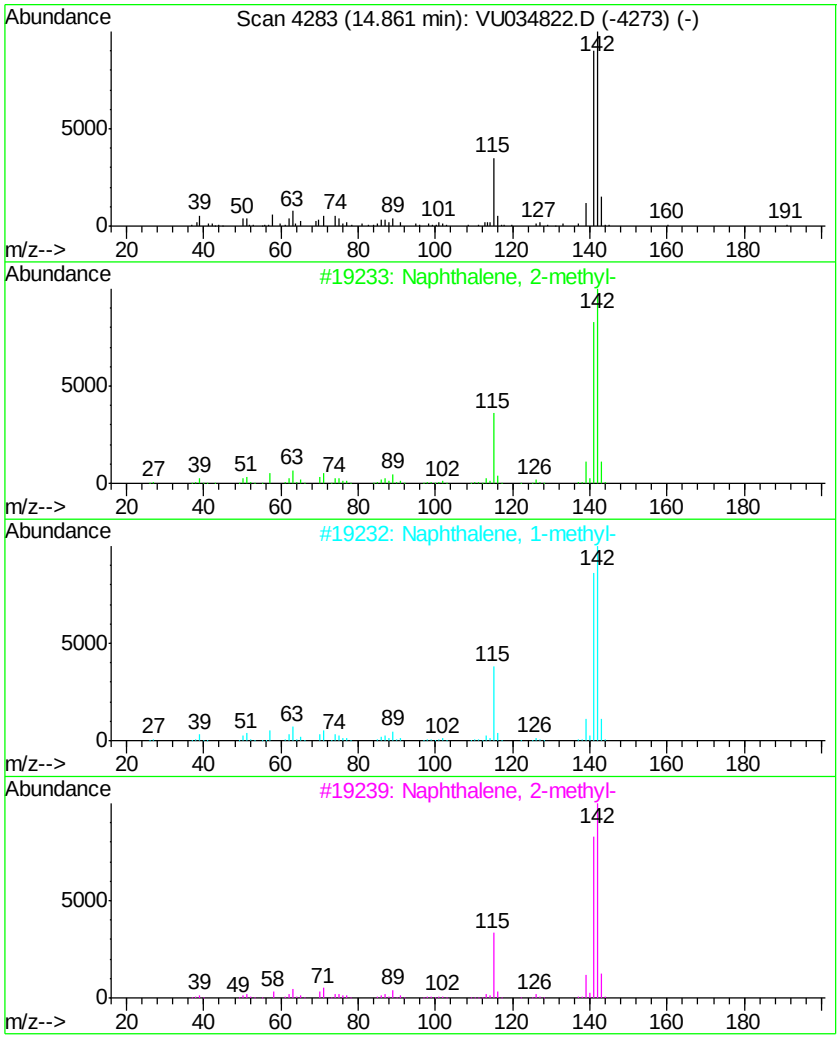
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

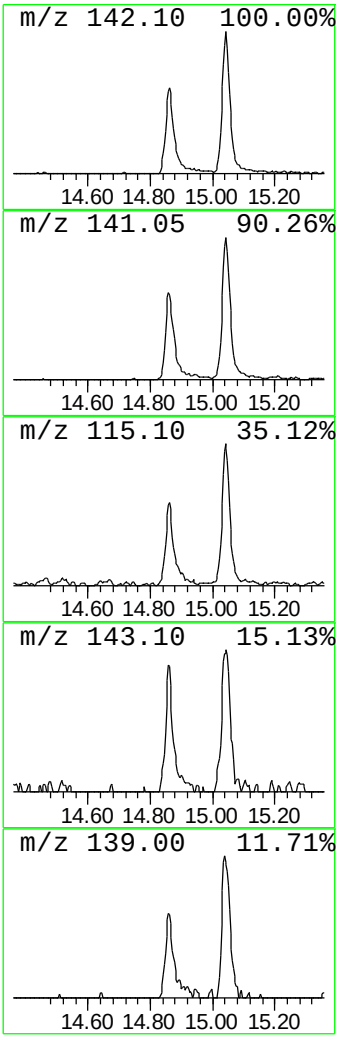
****

Peak Number 23 Naphthalene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	4.58 ug/L	122079	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, 1-methyl-	142	C11H10	000090-12-0	96
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
4	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	94
5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034822.D
Acq On : 25 Sep 2019 23:05
Operator : JC/SP
Sample : K4983-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ5

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	6.6	ug/L	166686	1	5.86	1267050	50.0
n-Propyl acetate	6.68	119.3	ug/L	3022260	1	5.86	1267050	50.0
Propanoic acid, 1...	7.40	14.9	ug/L	377639	1	5.86	1267050	50.0
Propanoic acid, 2...	8.13	20.9	ug/L	620488	2	9.07	1484400	50.0
Propanoic acid, p...	8.40	34.6	ug/L	1026340	2	9.07	1484400	50.0
Butanoic acid, 1-...	8.88	41.5	ug/L	1230970	2	9.07	1484400	50.0
Benzene, propyl-	10.57	4.9	ug/L	129978	3	11.46	1332360	50.0
Benzene, 1-ethyl-...	10.66	2.7	ug/L	71072	3	11.46	1332360	50.0
Benzene, 1-ethyl-...	10.95	6.2	ug/L	164382	3	11.46	1332360	50.0
Benzene, 1,2,3-tr...	11.13	18.8	ug/L	499524	3	11.46	1332360	50.0
Indane	11.74	12.7	ug/L	337073	3	11.46	1332360	50.0
Benzene, 1-ethyl-...	12.13	2.5	ug/L	67437	3	11.46	1332360	50.0
Benzene, 2-ethyl-...	12.23	5.4	ug/L	144086	3	11.46	1332360	50.0
Benzene, 1-etheny...	12.33	5.1	ug/L	135631	3	11.46	1332360	50.0
Benzene, 1,2,4,5-...	12.63	4.3	ug/L	113464	3	11.46	1332360	50.0
Benzene, 1-etheny...	12.95	3.4	ug/L	89624	3	11.46	1332360	50.0
Benzene, 2-etheny...	13.10	9.4	ug/L	251597	3	11.46	1332360	50.0
Naphthalene, 1-me...	14.86	4.6	ug/L	122079	3	11.46	1332360	50.0