LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034831.D
Acq On : 26 Sep 2019 02:36
Operator : JC/SP
Sample : K4983-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL2

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	39	rBV3	13400	17202	0.12%	0.040%
2	1.392	87	94	108	rBV	291385	305431	2.18%	0.708%
3	1.466	111	117	129	rVV	119755	129438	0.92%	0.300%
4	1.672	174	181	194	rVB	242377	307276	2.19%	0.712%
5	2.257	354	363	372	rBV	428261	649463	4.64%	1.506%
6	2.305	372	378	399	rVB	192529	306205	2.19%	0.710%
7	2.527	445	447	448	rBV2	1200	535	0.00%	0.001%
8	2.569	457	460	464	rBV5	1239	1117	0.01%	0.003%
9	2.601	465	470	481	rBV3	6251	11181	0.08%	0.026%
10	2.685	481	496	521	rBV	7842669	14009055	100.00%	32.475%
11	3.164	634	645	662	rBV3	42416	94586	0.68%	0.219%
12	3.450	732	734	736	rBV3	951	476	0.00%	0.001%
13	3.524	755	757	758	rBV2	1602	683	0.00%	0.002%
14	3.540	759	762	764	rBV4	2919	2091	0.01%	0.005%
15	3.633	788	791	792	rBV3	1908	986	0.01%	0.002%
16	3.685	806	807	811	rVB5	794	470	0.00%	0.001%
17	3.733	818	822	831	rVB8	1748	2572	0.02%	0.006%
18	3.768	831	833	835	rBV3	851	497	0.00%	0.001%
19	3.781	835	837	838	rBV2	786	352	0.00%	0.001%
20	3.813	844	847	849	rBV3	1123	713	0.01%	0.002%
21	3.842	854	856	859	rBV2	908	471	0.00%	0.001%
22	3.862	859	862	864	rVB3	912	477	0.00%	0.001%
23	3.878	864	867	869	rBV4	535	329	0.00%	0.001%
24	3.894	870	872	876	rVB3	1301	930	0.01%	0.002%
25	3.910	876	877	880	rBV	649	425	0.00%	0.001%
26	3.939	884	886	889	rBV3	650	414	0.00%	0.001%
27	3.984	892	900	903	rBV8	3419	4760	0.03%	0.011%
28	4.045	917	919	922	rBV3	1114	812	0.01%	0.002%
29	4.148	939	951	972	rBV	235731	623885	4.45%	1.446%
30	4.444	1041	1043	1055	rVB8	3070	3948	0.03%	0.009%
31	4.501	1059	1061	1063	rBV2	814	524	0.00%	0.001%
32	4.624	1080	1099	1123	rBV	335054	808476	5.77%	1.874%
33	4.858	1168	1172	1176	rVB6	1493	1562	0.01%	0.004%
34	5.045	1224	1230	1236	rBV9	1597	2007	0.01%	0.005%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034831.D
Acq On : 26 Sep 2019 02:36
Operator : JC/SP
Sample : K4983-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL2

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	5.112	1248	1251	1253	rBV3	1302	912	0.01%	0.002%
36	5.141	1258	1260	1262	rBV3	1403	653	0.00%	0.002%
37	5.161	1263	1266	1268	rBV3	1227	708	0.01%	0.002%
38	5.173	1268	1270	1272	rVB3	873	381	0.00%	0.001%
39	5.189	1272	1275	1276	rBV2	692	368	0.00%	0.001%
40	5.209	1276	1281	1283	rBV6	638	559	0.00%	0.001%
41	5.315	1291	1314	1342	rBV2	720719	2156038	15.39%	4.998%
42	5.527	1369	1380	1401	rBV	104020	225541	1.61%	0.523%
43	5.697	1430	1433	1437	rBV4	1543	1327	0.01%	0.003%
44	5.733	1441	1444	1447	rBV4	1846	1523	0.01%	0.004%
45	5.865	1464	1485	1506	rBV	572291	1345215	9.60%	3.118%
46	6.308	1610	1623	1644	rVB	493422	985842	7.04%	2.285%
47	6.559	1695	1701	1702	rBV	15931	15620	0.11%	0.036%
48	6.681	1727	1739	1776	rBV	2333386	4181920	29.85%	9.694%
49	7.205	1888	1902	1916	rBV	270826	496677	3.55%	1.151%
50	7.302	1930	1932	1936	rVB5	2239	1125	0.01%	0.003%
51	7.398	1952	1962	1974	rBV	269928	454093	3.24%	1.053%
52	7.543	1994	2007	2023	rBV	1003247	1792602	12.80%	4.156%
53	7.826	2084	2095	2113	rBV2	253592	462236	3.30%	1.072%
54	8.067	2169	2170	2171	rBV	1123	404	0.00%	0.001%
55	8.135	2178	2191	2207	rBV	469736	784065	5.60%	1.818%
56	8.215	2208	2216	2217	rBV4	24066	28943	0.21%	0.067%
57	8.289	2229	2239	2261	rVB	929411	1582395	11.30%	3.668%
58	8.395	2262	2272	2286	rBV	800751	1255915	8.97%	2.911%
59	8.508	2301	2307	2322	rVB2	39053	65440	0.47%	0.152%
60	8.810	2398	2401	2402	rBV2	1139	718	0.01%	0.002%
61	8.884	2411	2424	2447	rBV	986163	1569032	11.20%	3.637%
62	9.067	2462	2481	2504	rBV	804609	1417136	10.12%	3.285%
63	9.231	2525	2532	2543	rVB2	12972	20956	0.15%	0.049%
64	9.350	2554	2569	2586	rBV	186834	317654	2.27%	0.736%
65	9.466	2602	2605	2608	rBV4	1645	1429	0.01%	0.003%
66	9.588	2634	2643	2653	rBV2	24273	40065	0.29%	0.093%
67	9.694	2672	2676	2680	rBV6	2514	2738	0.02%	0.006%
68	9.752	2680	2694	2714	rVV3	256395	484204	3.46%	1.122%
69	10.000	2768	2771	2773	rBV3	2460	1911	0.01%	0.004%
70	10.019	2773	2777	2779	rBV3	4124	3342	0.02%	0.008%
71	10.144	2807	2816	2826	rVB2	39787	60857	0.43%	0.141%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034831.D
Acq On : 26 Sep 2019 02:36
Operator : JC/SP
Sample : K4983-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL2

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	10.273	2852	2856	2858	rBV4	1484	1199	0.01%	0.003%
73	10.289	2859	2861	2864	rBV4	1865	1345	0.01%	0.003%
74	10.408	2887	2898	2919	rBV	684742	1101886	7.87%	2.554%
75	10.565	2938	2947	2965	rVB2	42882	75964	0.54%	0.176%
76	10.659	2966	2976	2993	rBV	84293	154462	1.10%	0.358%
77	10.749	2996	3004	3015	rBV2	50691	77557	0.55%	0.180%
78	10.900	3046	3051	3055	rBV5	3839	3835	0.03%	0.009%
79	10.948	3057	3066	3086	rVB	74728	128270	0.92%	0.297%
80	11.125	3111	3121	3139	rBV	234005	368360	2.63%	0.854%
81	11.299	3166	3175	3187	rVB2	57050	96099	0.69%	0.223%
82	11.459	3214	3225	3243	rBV	792331	1269024	9.06%	2.942%
83	11.546	3244	3252	3264	rVB2	95450	153093	1.09%	0.355%
84	11.742	3304	3313	3324	rBV	106239	190223	1.36%	0.441%
85	11.836	3331	3342	3362	rVB	942067	1611595	11.50%	3.736%
86	12.125	3425	3432	3438	rBV4	28330	45912	0.33%	0.106%
87	12.231	3456	3465	3485	rVB2	58309	109086	0.78%	0.253%
88	12.331	3488	3496	3509	rBV4	35449	72964	0.52%	0.169%
89	12.630	3582	3589	3597	rVV	39401	55849	0.40%	0.129%
90	12.681	3598	3605	3620	rVB	57789	94731	0.68%	0.220%
91	12.945	3679	3687	3696	rBV3	31981	47709	0.34%	0.111%
92	13.099	3727	3735	3747	rVB3	95011	149189	1.06%	0.346%
93	13.212	3768	3770	3773	rBV4	3589	2572	0.02%	0.006%
94	13.376	3815	3821	3831	rVB10	16970	26352	0.19%	0.061%
95	13.729	3922	3931	3940	rBV	21754	42257	0.30%	0.098%
96	13.932	3982	3994	4005	rBV	8983	20869	0.15%	0.048%
97	14.131	4051	4056	4066	rBV5	9099	13330	0.10%	0.031%
98	14.376	4129	4132	4133	rBV3	2391	1557	0.01%	0.004%
99	14.861	4276	4283	4299	rBV2	31288	60858	0.43%	0.141%
100	15.044	4329	4340	4355	rBV	57286	111522	0.80%	0.259%

Sum of corrected areas: 43137562

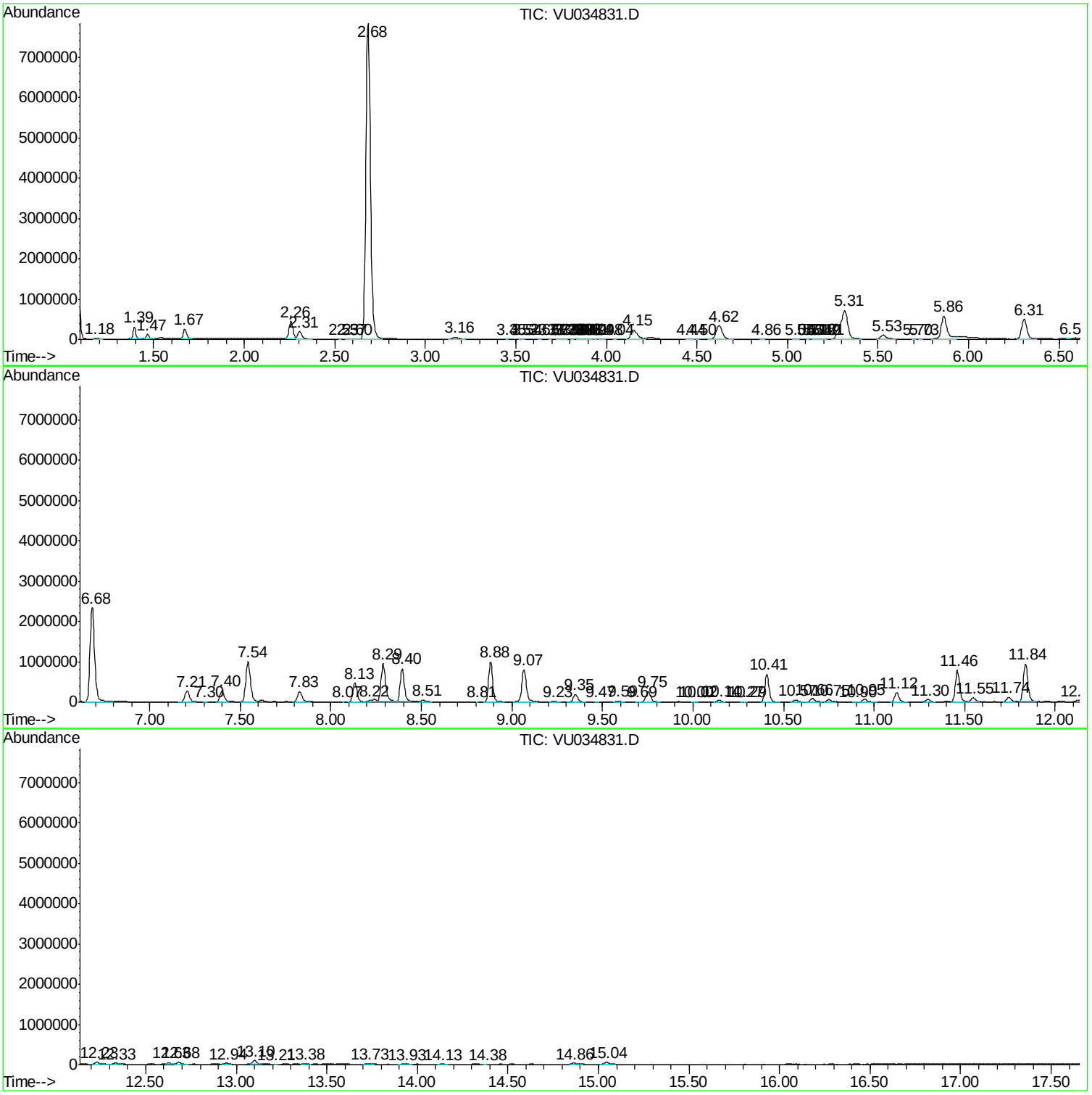
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034831.D
Acq On : 26 Sep 2019 02:36
Operator : JC/SP
Sample : K4983-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDL2

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

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034831.D
Acq On : 26 Sep 2019 02:36
Operator : JC/SP
Sample : K4983-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL2

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

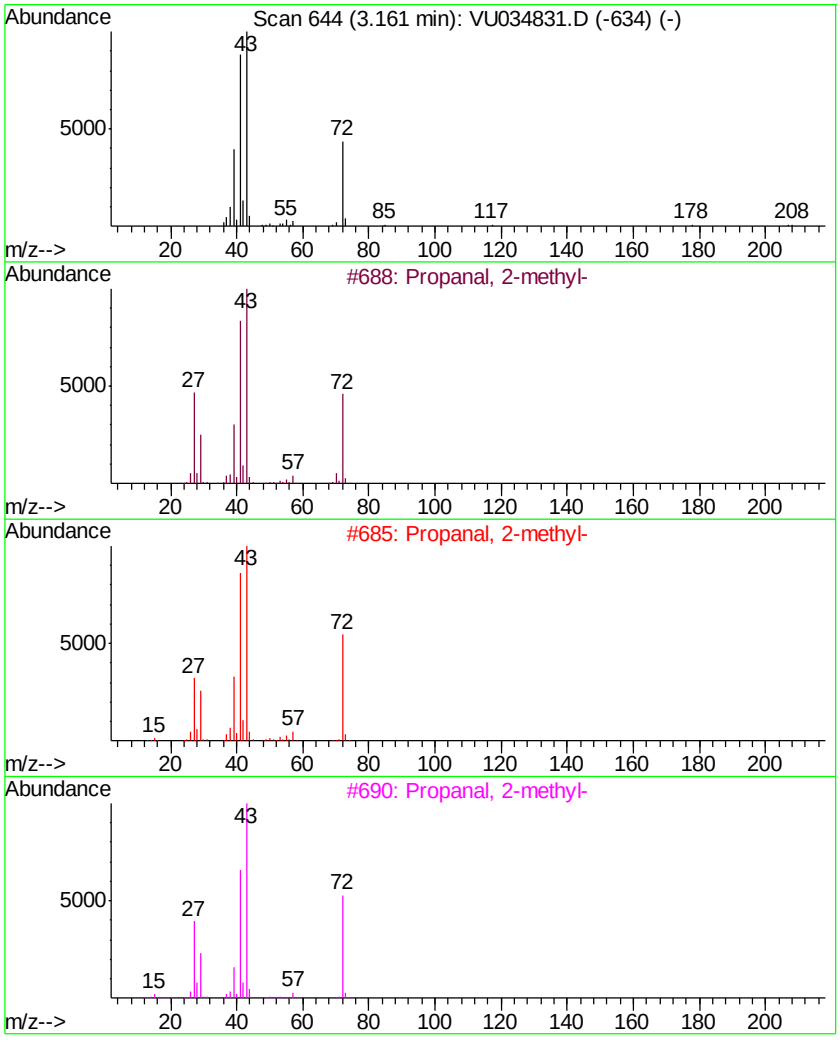
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

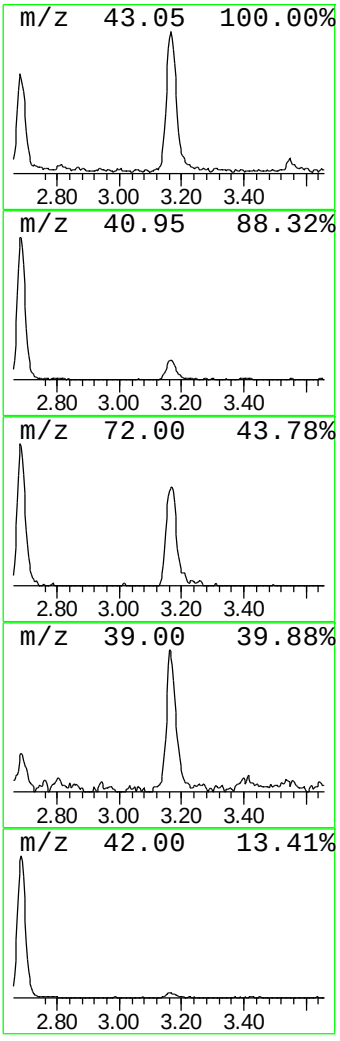
****

Peak Number 2 Propanal, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.16	3.52 ug/L	94586	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanal, 2-methyl-	72	C4H8O	000078-84-2	87
2	Propanal, 2-methyl-	72	C4H8O	000078-84-2	78
3	Propanal, 2-methyl-	72	C4H8O	000078-84-2	59
4	Butanal	72	C4H8O	000123-72-8	59
5	Propanal, 2-methyl-	72	C4H8O	000078-84-2	45





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034831.D
Acq On : 26 Sep 2019 02:36
Operator : JC/SP
Sample : K4983-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL2

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

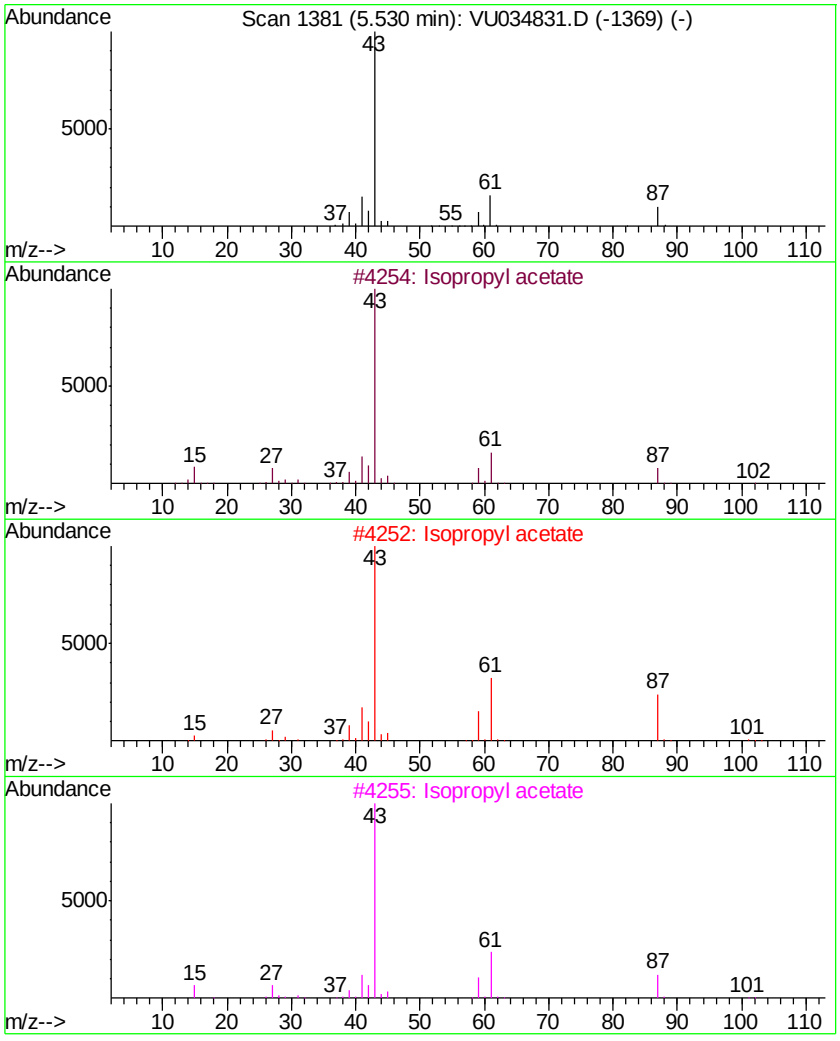
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

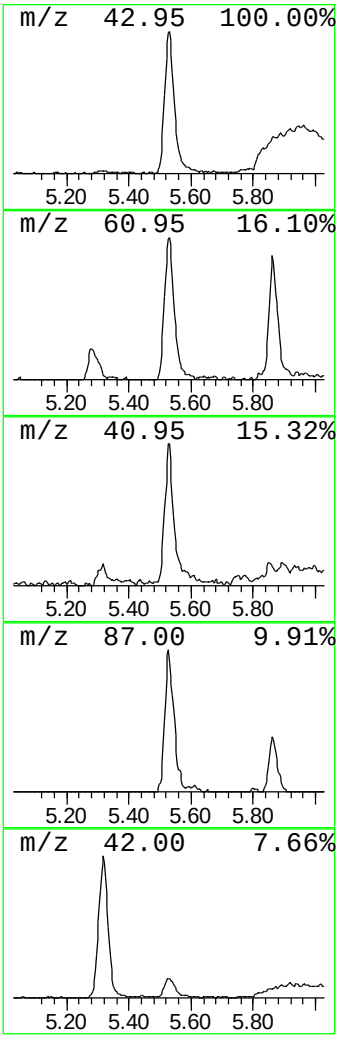
****

Peak Number 3 Isopropyl acetate Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.53	8.38 ug/L	225541	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropyl acetate	102	C5H10O2	000108-21-4	83
2	Isopropyl acetate	102	C5H10O2	000108-21-4	64
3	Isopropyl acetate	102	C5H10O2	000108-21-4	50
4	Isopropyl acetate	102	C5H10O2	000108-21-4	42
5	Propane, 1-(1-methylethoxy)-	102	C6H14O	000627-08-7	42





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034831.D
Acq On : 26 Sep 2019 02:36
Operator : JC/SP
Sample : K4983-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL2

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

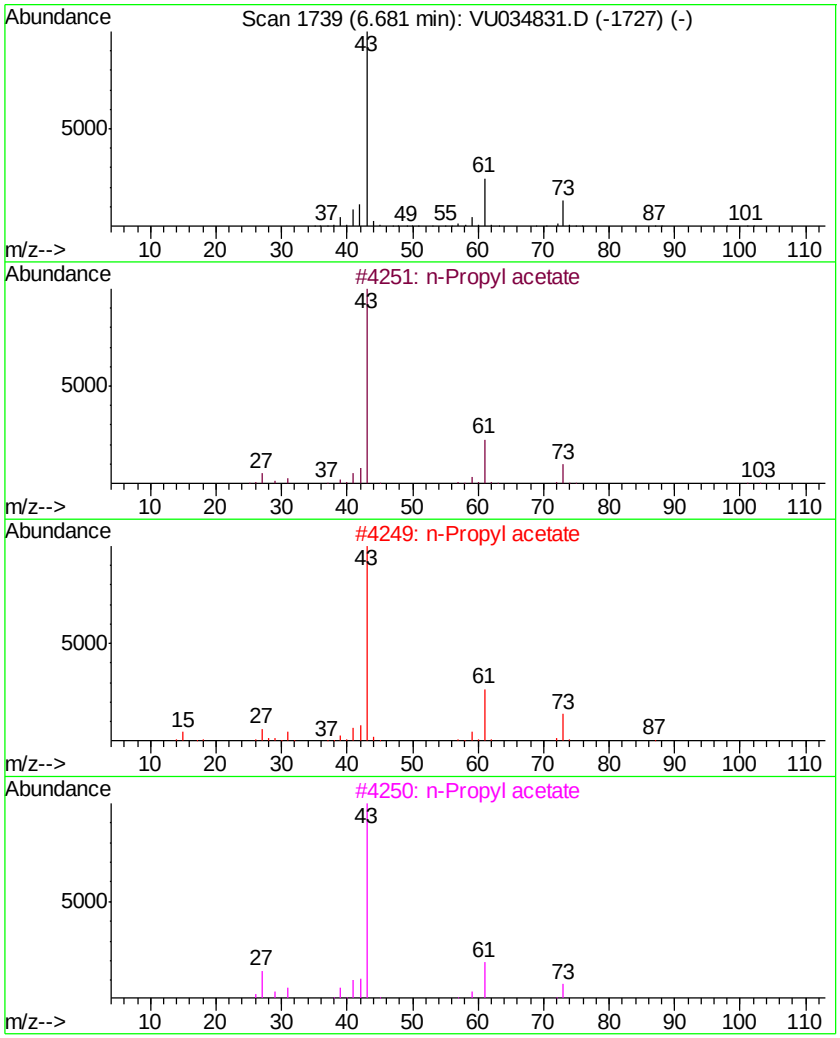
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

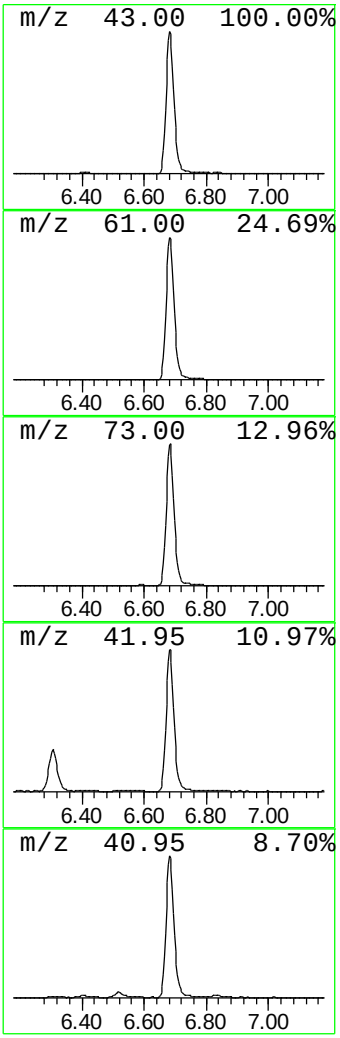
****

Peak Number 4 n-Propyl acetate Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	155.44 ug/L	4181920	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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034831.D
Acq On : 26 Sep 2019 02:36
Operator : JC/SP
Sample : K4983-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL2

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

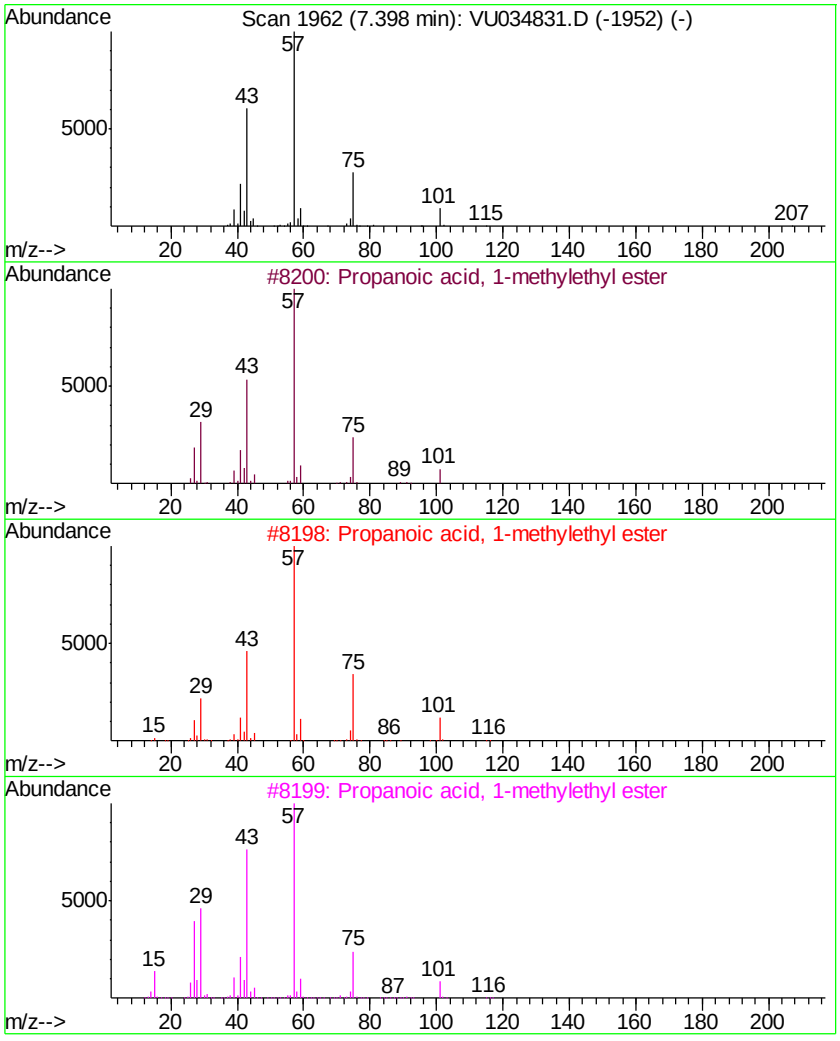
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

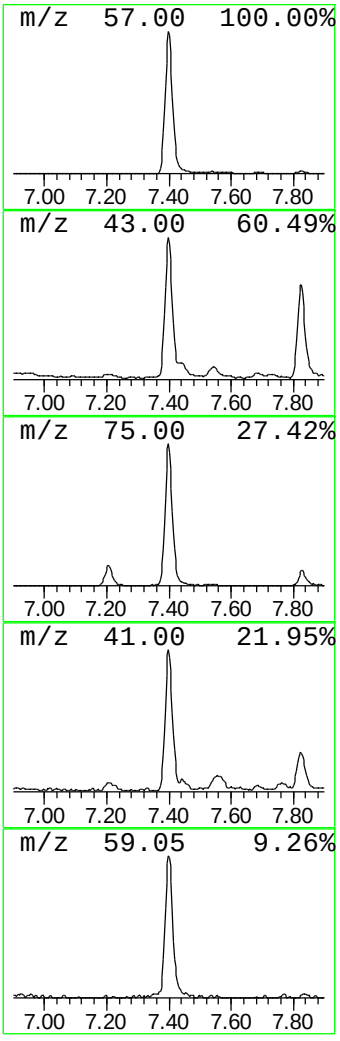
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.40	16.88 ug/L	454093	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	78
3	Propanoic acid, 1-methylethyl ester	116	C6H12O2	000637-78-5	74
4	Propanoic acid, 1-methylethyl ester	116	C6H12O2	000637-78-5	45
5	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	42





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034831.D
Acq On : 26 Sep 2019 02:36
Operator : JC/SP
Sample : K4983-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL2

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

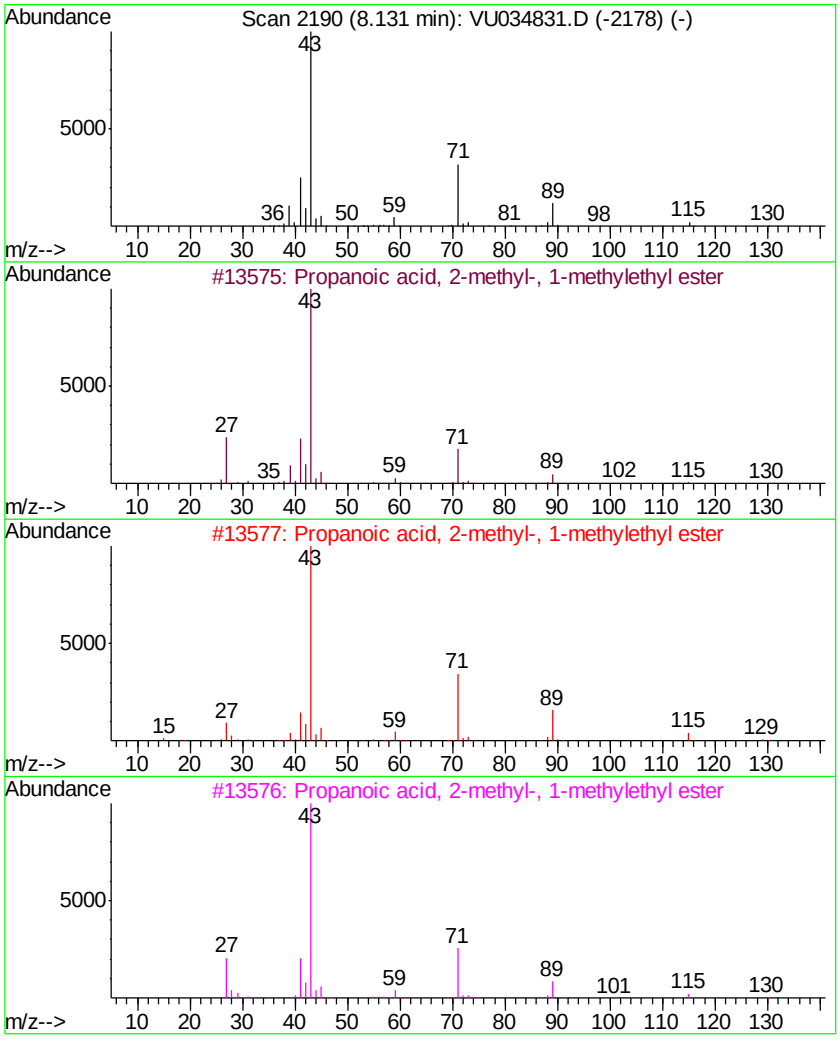
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

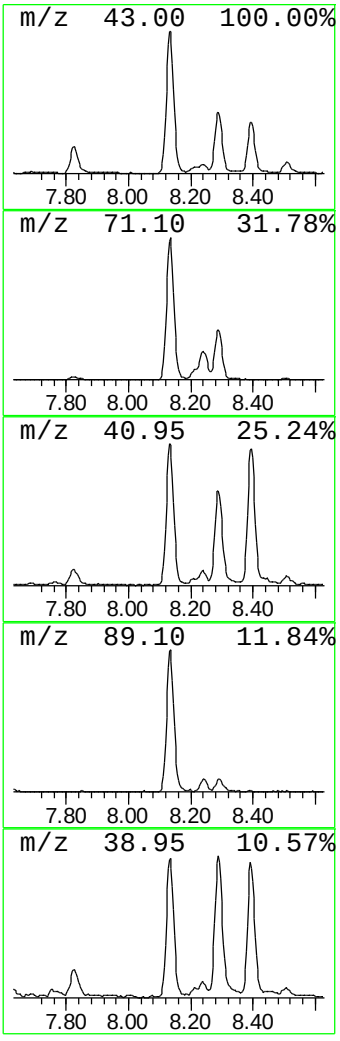
****

Peak Number 7 Propanoic acid, 2-methyl-, ... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.13	27.66 ug/L	784065	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	83
2	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	83
3	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	78
4	Propanoic acid, 2-methyl-, propy...	130	C7H14O2	000644-49-5	78
5	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034831.D
Acq On : 26 Sep 2019 02:36
Operator : JC/SP
Sample : K4983-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL2

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

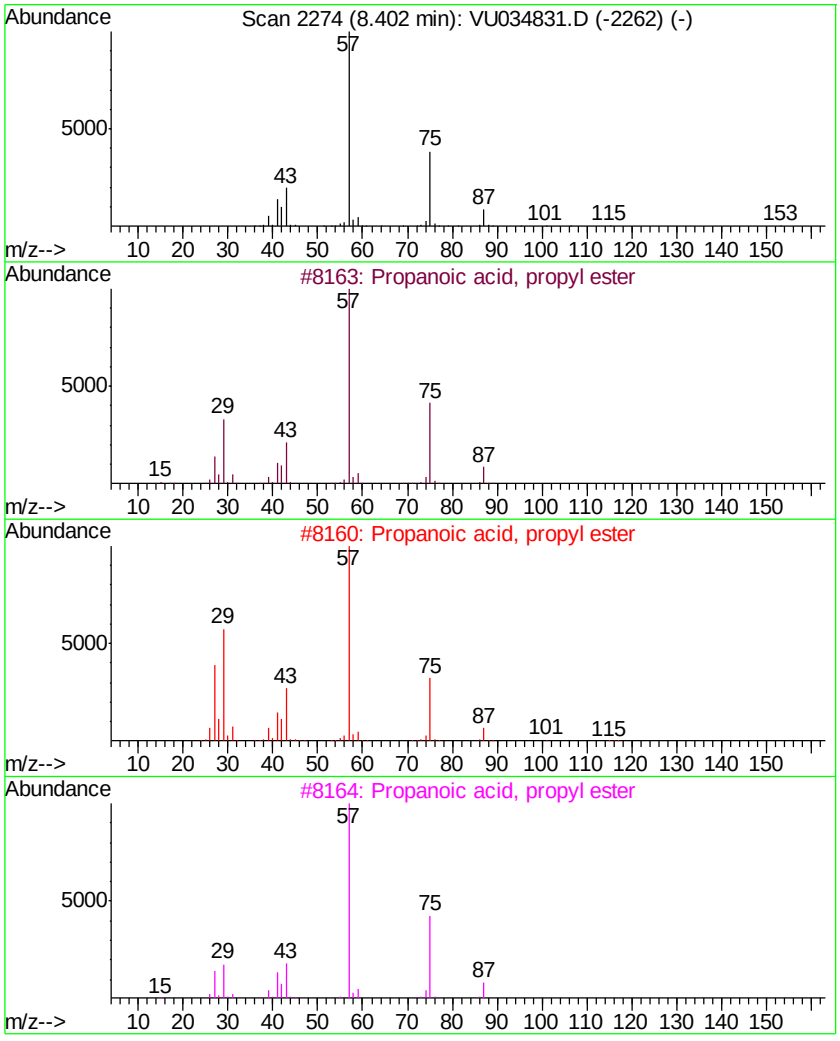
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

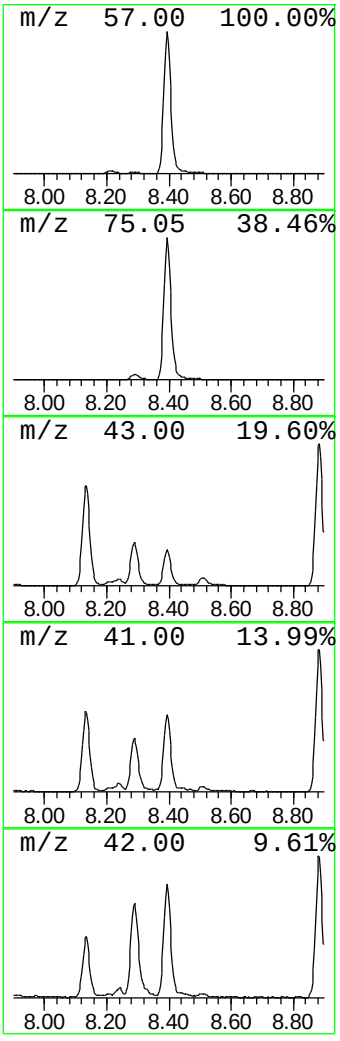
****

Peak Number 8 Propanoic acid, propyl ester Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.40	44.31 ug/L	1255920	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	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034831.D
Acq On : 26 Sep 2019 02:36
Operator : JC/SP
Sample : K4983-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL2

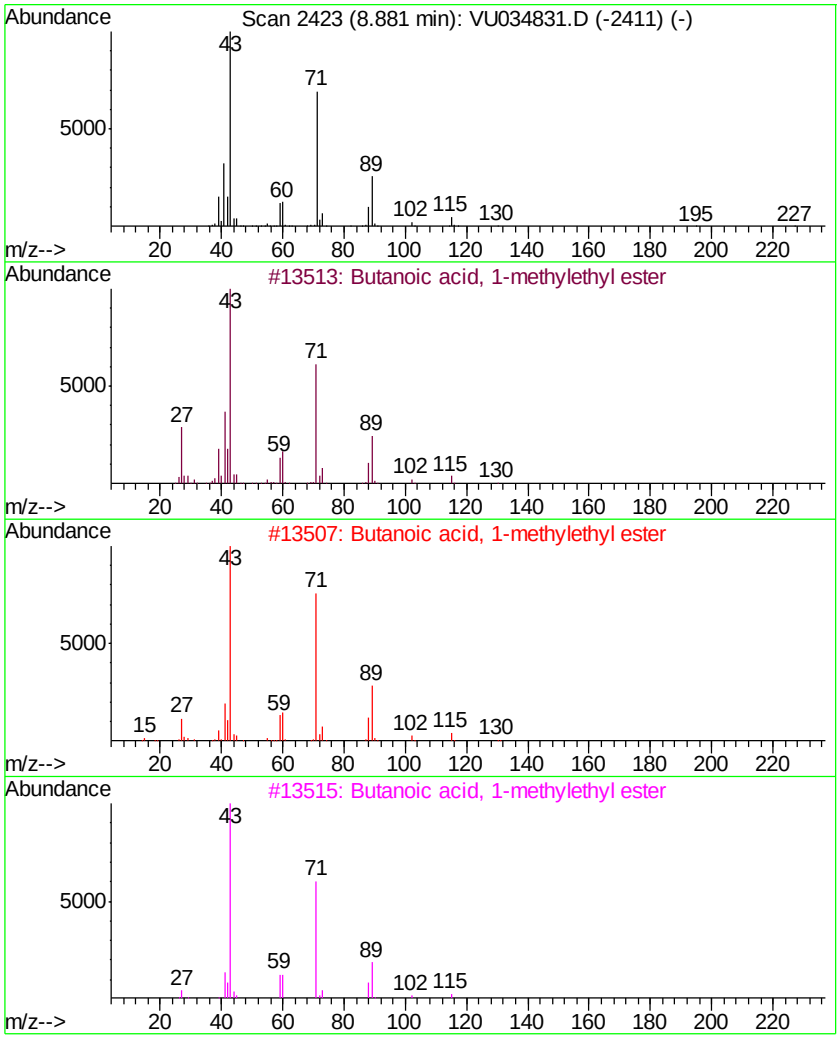
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

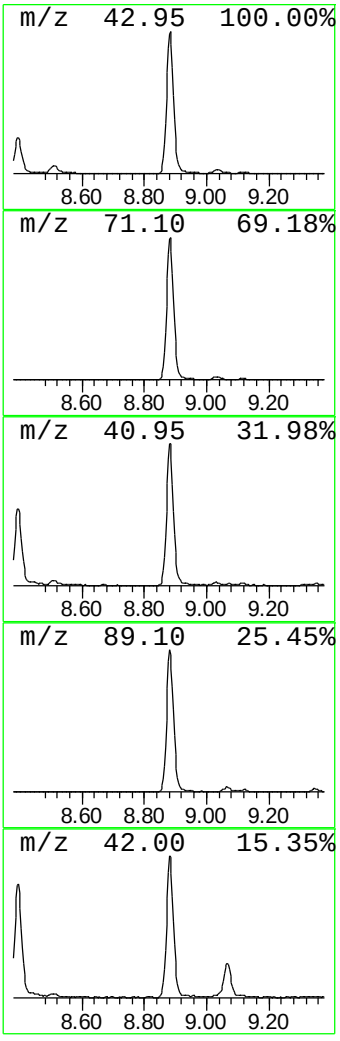
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Butanoic acid, 1-methylethy... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.88	55.36 ug/L	1569030	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	86
5	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034831.D
Acq On : 26 Sep 2019 02:36
Operator : JC/SP
Sample : K4983-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL2

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

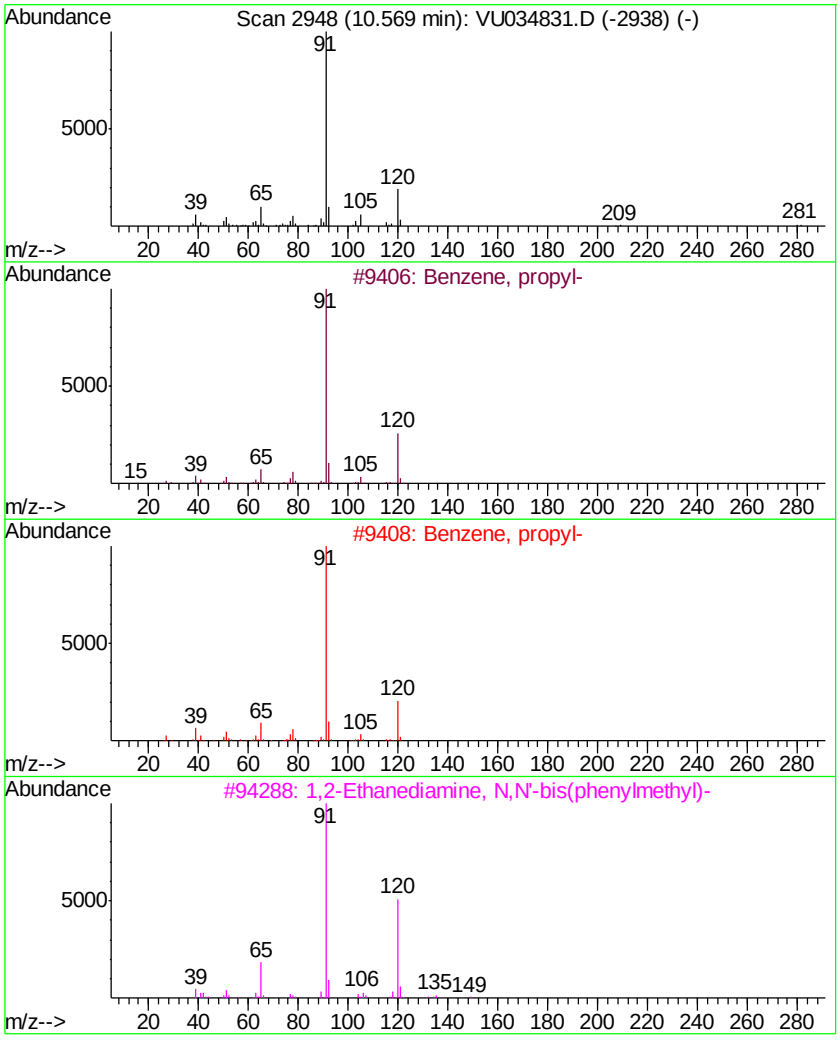
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

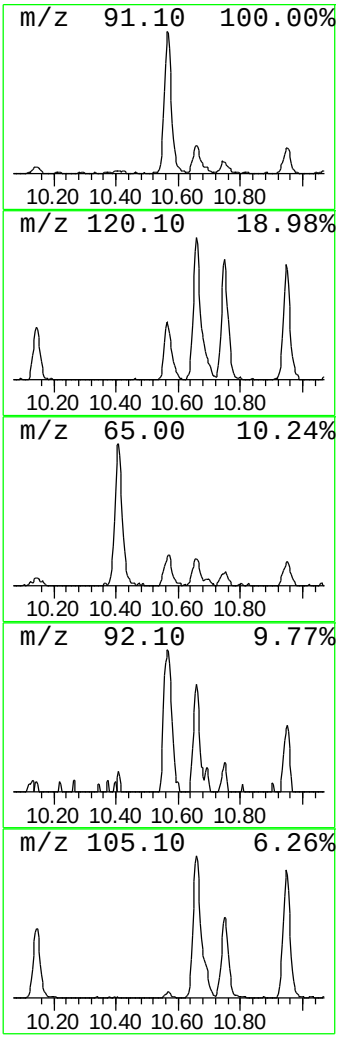
****

Peak Number 10 Benzene, propyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.57	2.99 ug/L	75964	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	83
2	Benzene, propyl-	120	C9H12	000103-65-1	83
3	1,2-Ethanediamine, N,N'-bis(phen...	240	C16H20N2	000140-28-3	72
4	Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	72
5	1,2-Ethanediamine, N-(phenylmeth...	150	C9H14N2	004152-09-4	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034831.D
Acq On : 26 Sep 2019 02:36
Operator : JC/SP
Sample : K4983-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL2

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

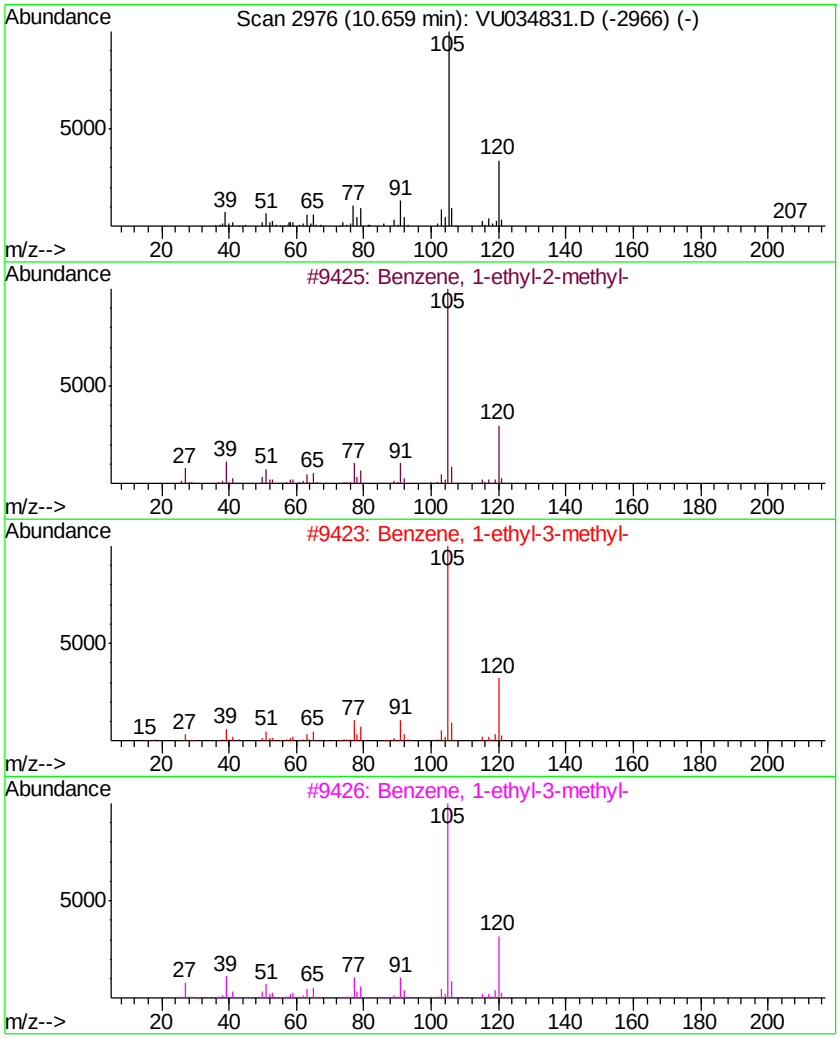
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

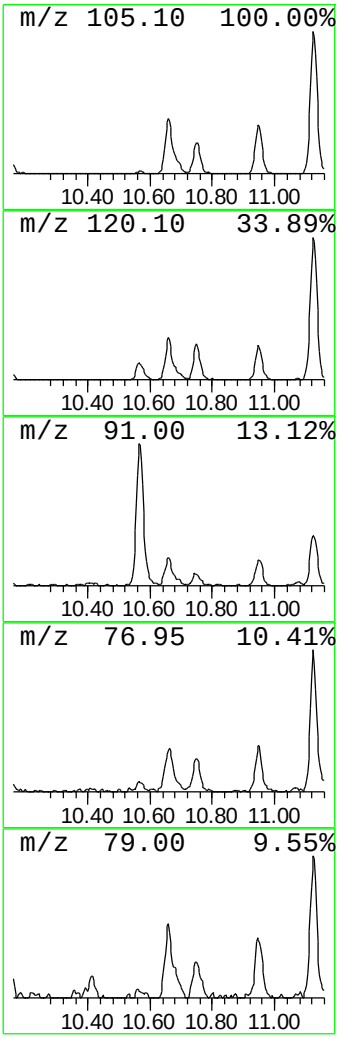
****

Peak Number 11 Benzene, 1-ethyl-2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	6.09 ug/L	154462	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	94
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034831.D
Acq On : 26 Sep 2019 02:36
Operator : JC/SP
Sample : K4983-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL2

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

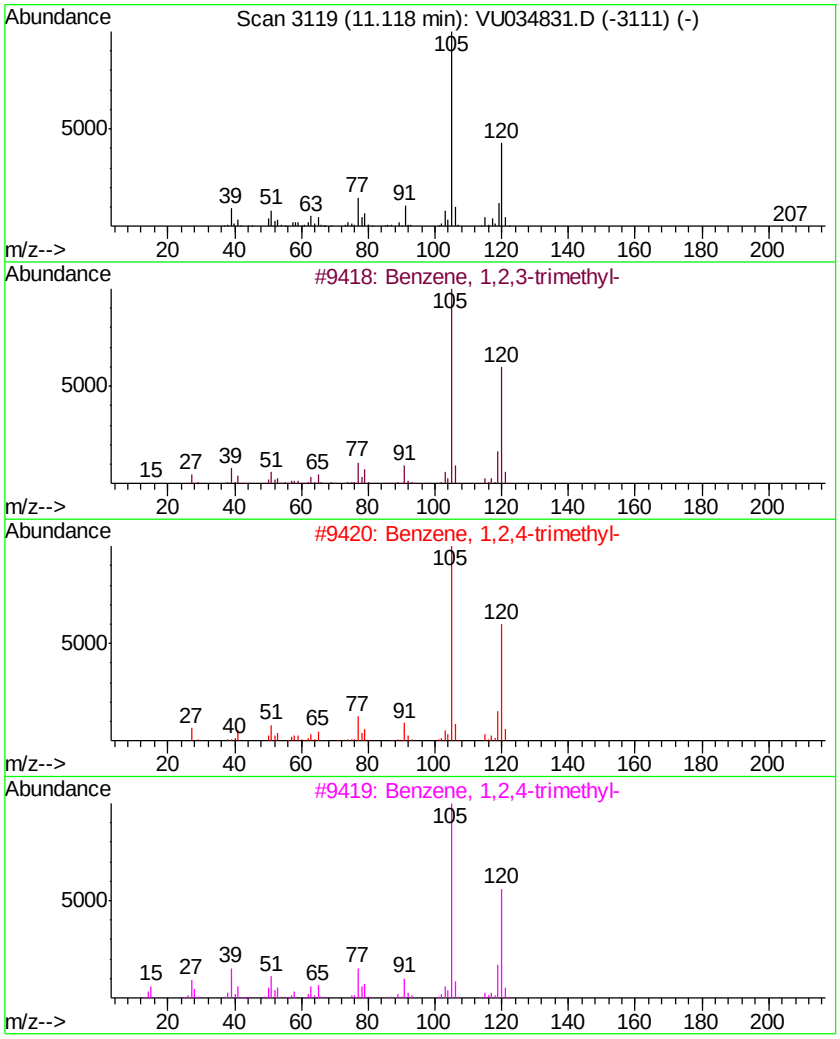
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

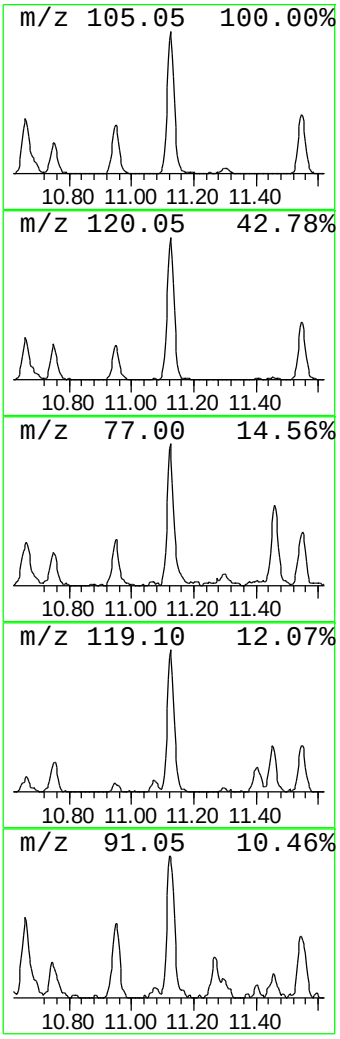
****

Peak Number 14 Benzene, 1,2,3-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.12	14.51 ug/L	368360	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	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	93
4	Mesitylene	120	C9H12	000108-67-8	93
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034831.D
Acq On : 26 Sep 2019 02:36
Operator : JC/SP
Sample : K4983-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL2

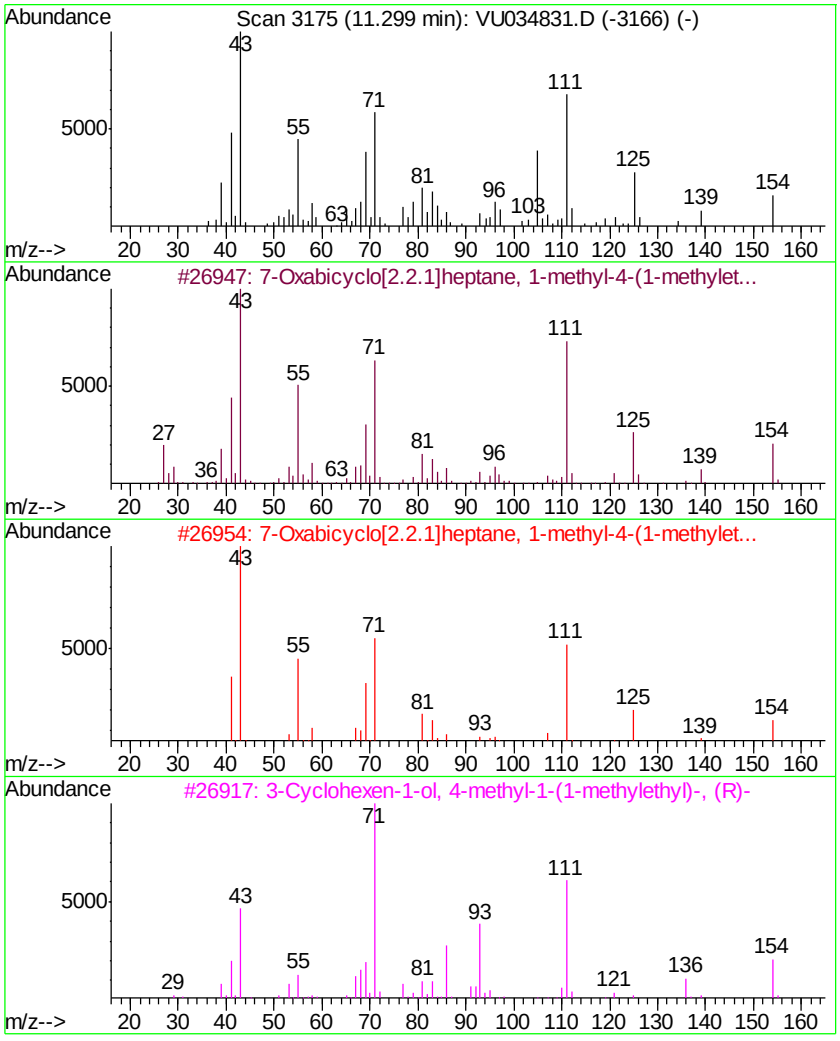
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

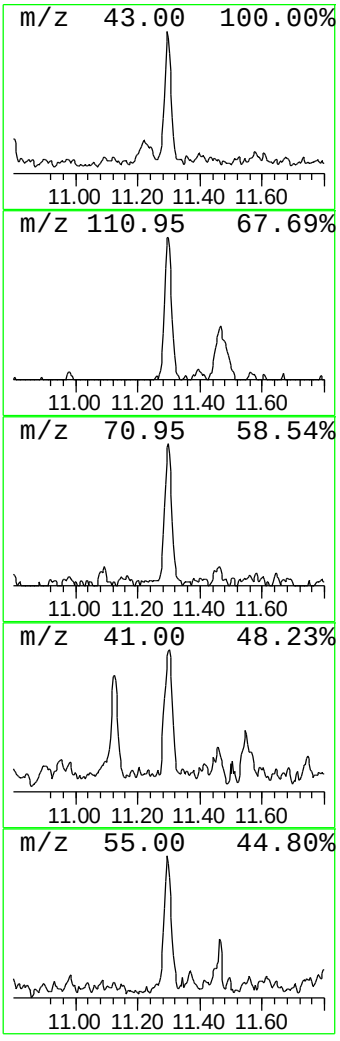
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 7-Oxabicyclo[2.2.1]heptane,... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.30	3.79 ug/L	96099	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Oxabicyclo[2.2.1]heptane, 1-me...	154	C10H18O	000470-67-7	93
2	7-Oxabicyclo[2.2.1]heptane, 1-me...	154	C10H18O	000470-67-7	91
3	3-Cyclohexen-1-ol, 4-methyl-1-(1...	154	C10H18O	020126-76-5	47
4	4-Hepten-3-one, 2,5,6-trimethyl-	154	C10H18O	016466-21-0	46
5	1,3-Diacetyl-cyclopentane	154	C9H14O2	1000143-37-1	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034831.D
Acq On : 26 Sep 2019 02:36
Operator : JC/SP
Sample : K4983-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL2

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

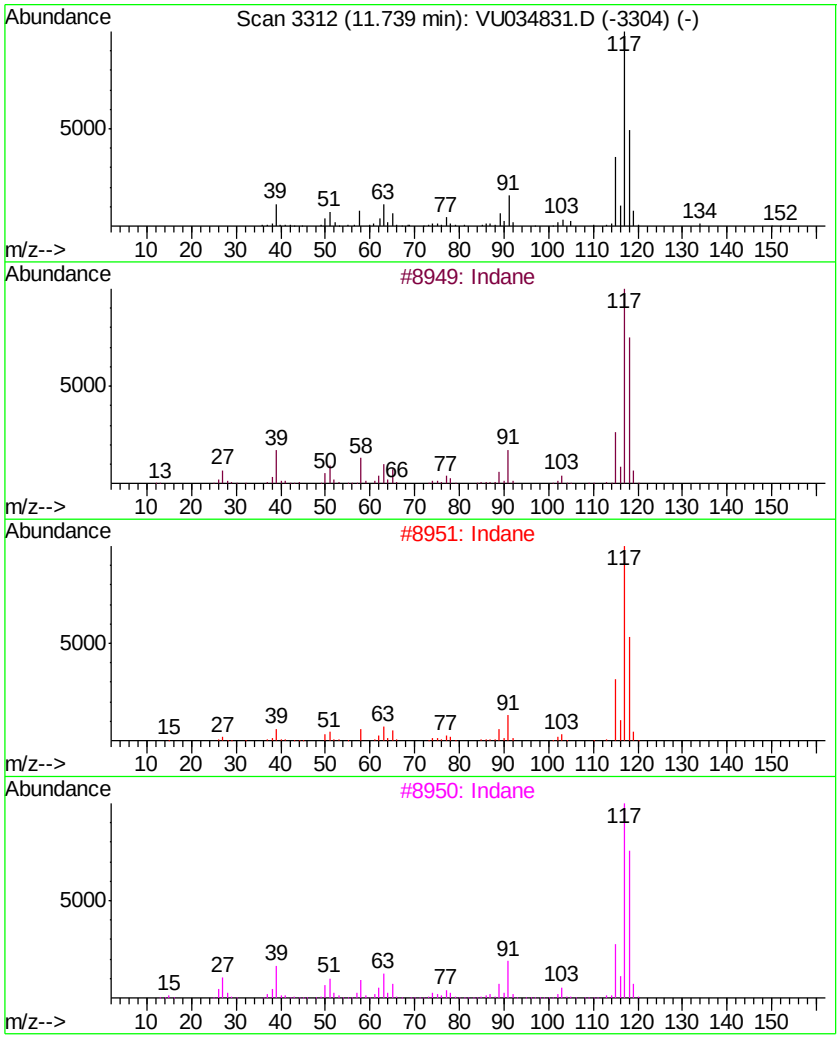
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

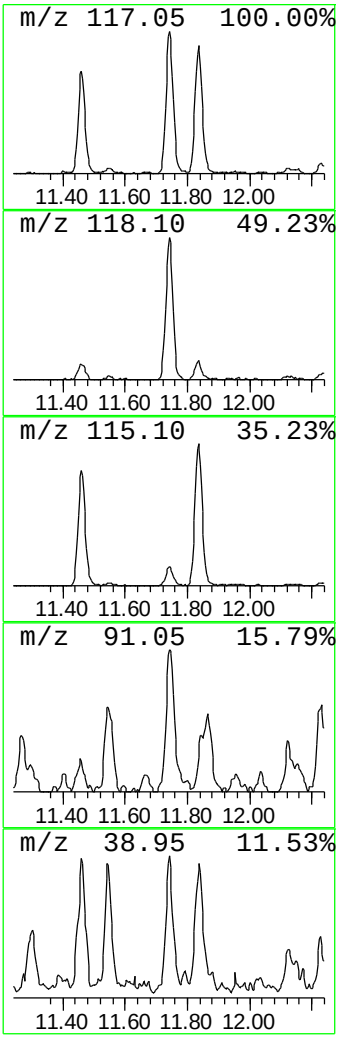
****

Peak Number 17 Indane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	7.49 ug/L	190223	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	94
4	Indane	118	C9H10	000496-11-7	81
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	76





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034831.D
Acq On : 26 Sep 2019 02:36
Operator : JC/SP
Sample : K4983-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL2

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

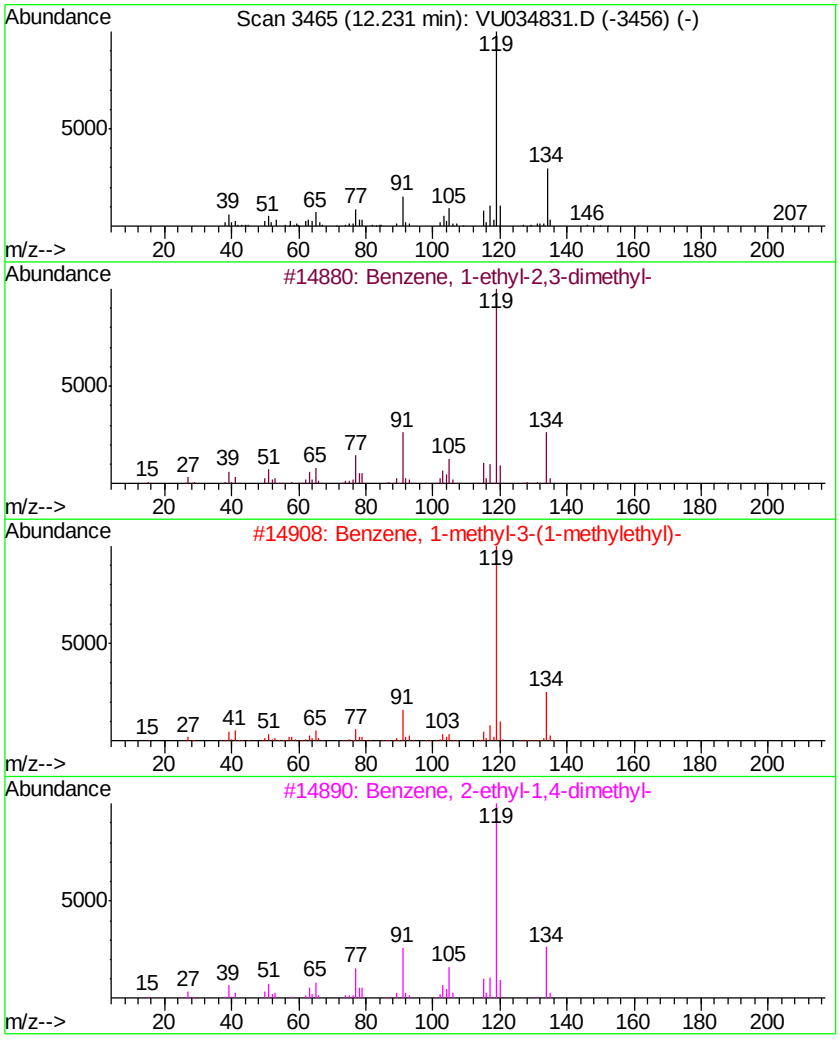
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

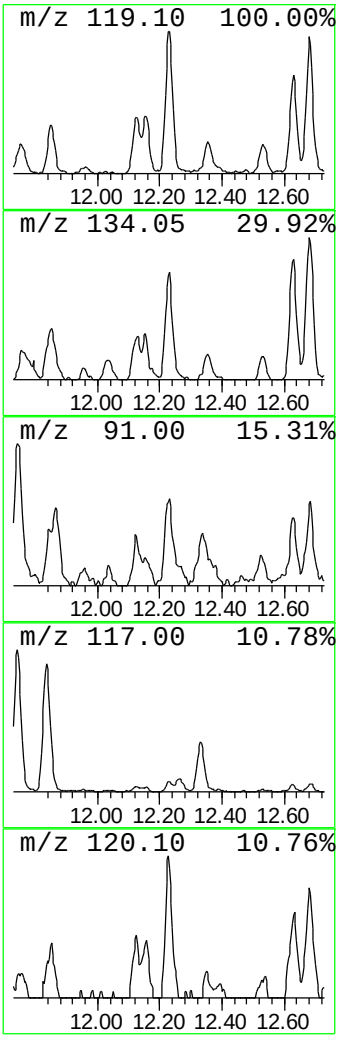
****

Peak Number 18 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	4.30 ug/L	109086	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
4	p-Cymene	134	C10H14	000099-87-6	94
5	o-Cymene	134	C10H14	000527-84-4	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034831.D
Acq On : 26 Sep 2019 02:36
Operator : JC/SP
Sample : K4983-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL2

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

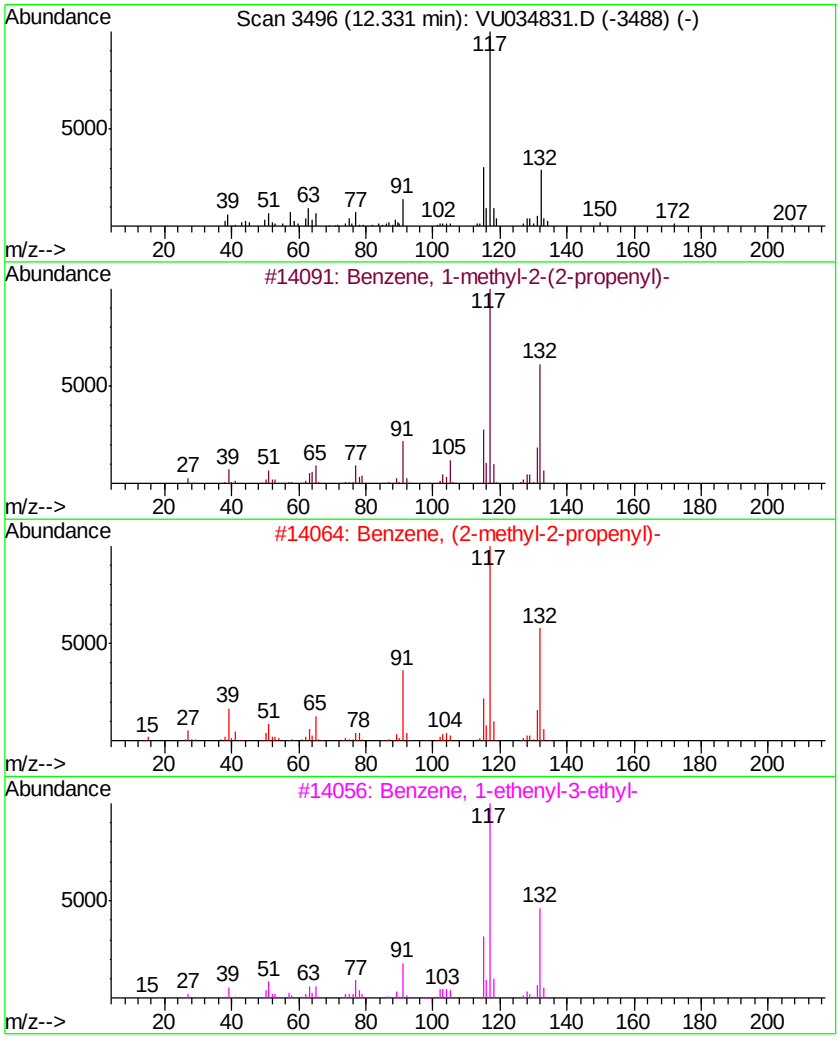
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

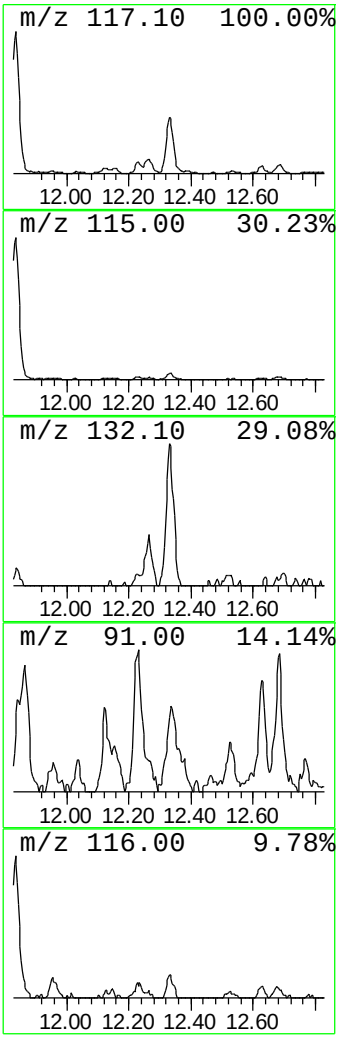
****

Peak Number 19 Benzene, 1-methyl-2-(2-prop... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	2.87 ug/L	72964	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	87
2	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	87
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	86
5	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034831.D
Acq On : 26 Sep 2019 02:36
Operator : JC/SP
Sample : K4983-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL2

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

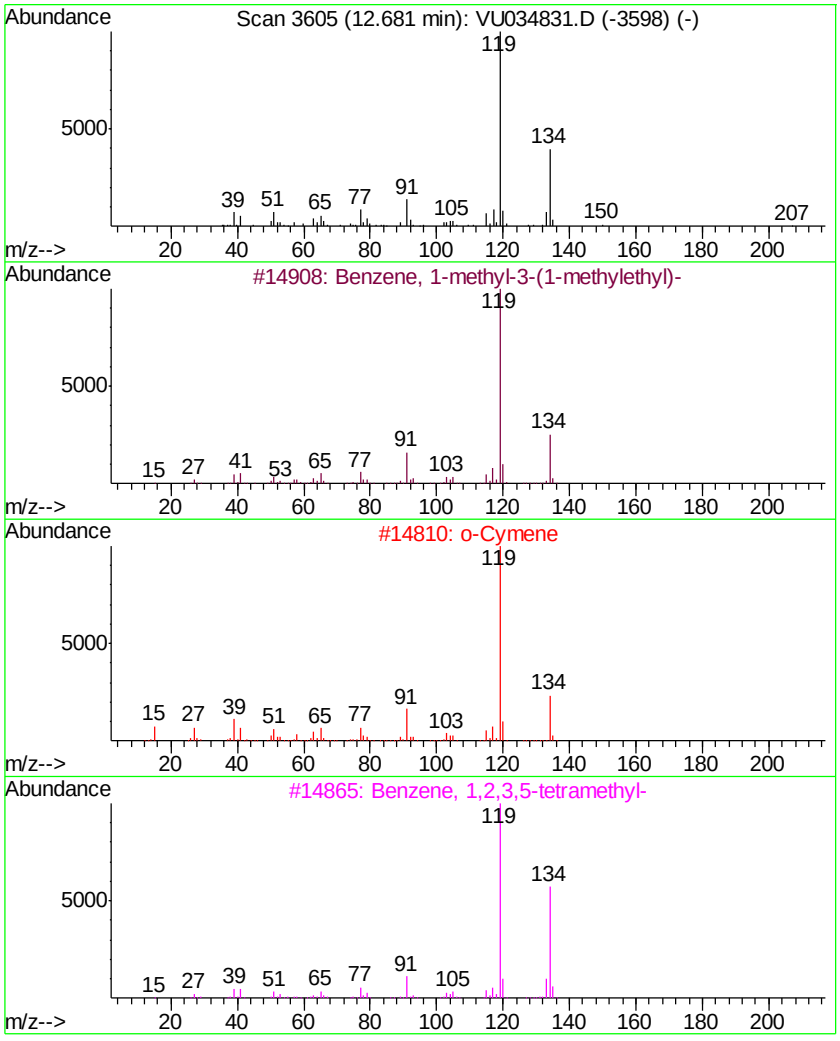
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

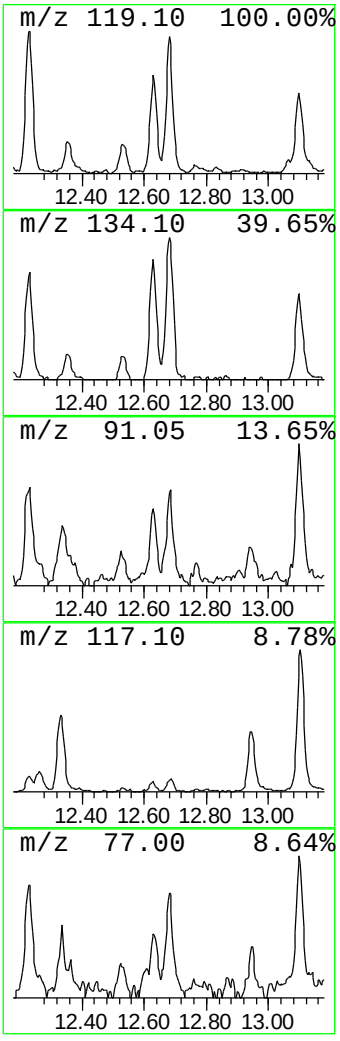
****

Peak Number 20 Benzene, 1-methyl-3-(1-meth... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.68	3.73 ug/L	94731	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	94
2	o-Cymene	134	C10H14	000527-84-4	93
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034831.D
Acq On : 26 Sep 2019 02:36
Operator : JC/SP
Sample : K4983-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL2

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

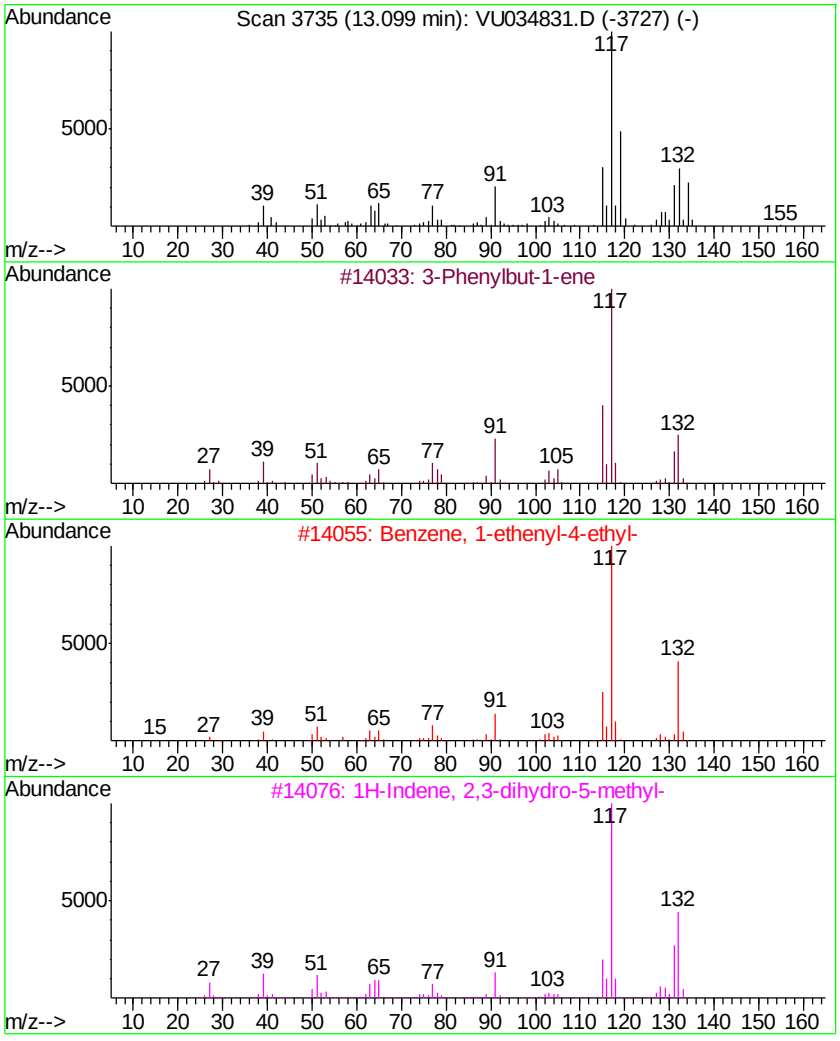
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

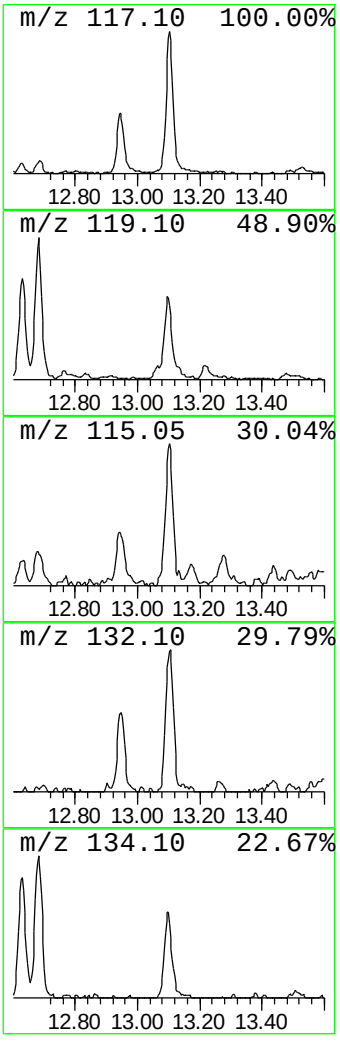
****

Peak Number 21 3-Phenylbut-1-ene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	5.88 ug/L	149189	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenylbut-1-ene	132	C10H12	000934-10-1	70
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	64
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	64
4	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	64
5	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034831.D
Acq On : 26 Sep 2019 02:36
Operator : JC/SP
Sample : K4983-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL2

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

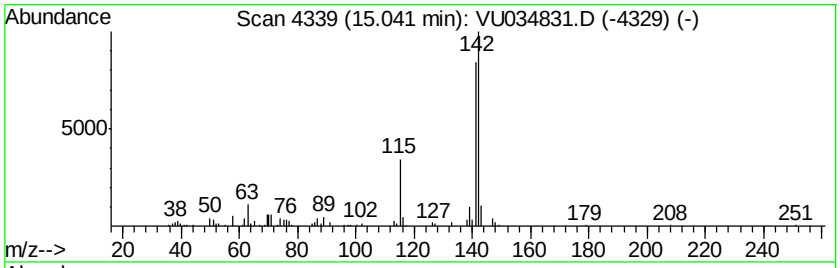
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

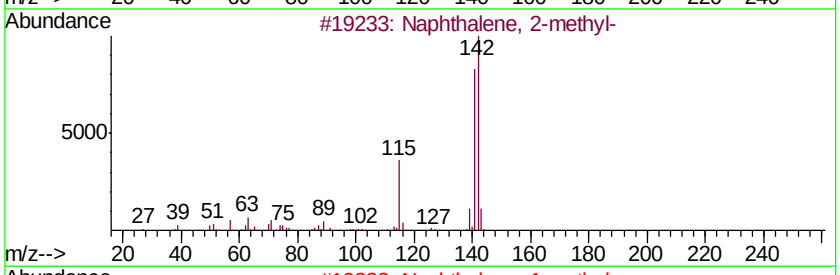
****

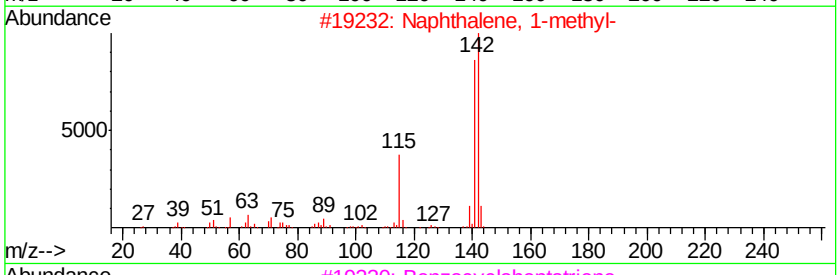
Peak Number 22 Naphthalene, 1-methyl- Concentration Rank 15

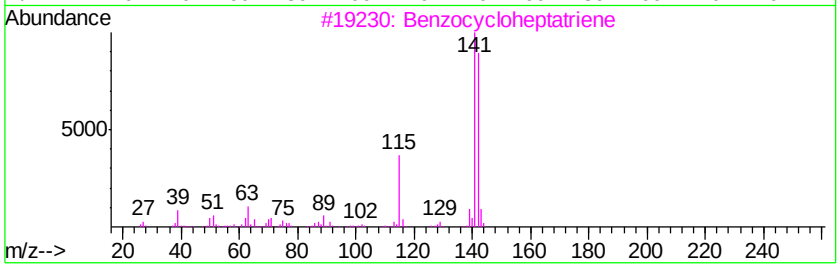
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.04	4.39 ug/L	111522	1,4-Dichlorobenzene-d4	11.46

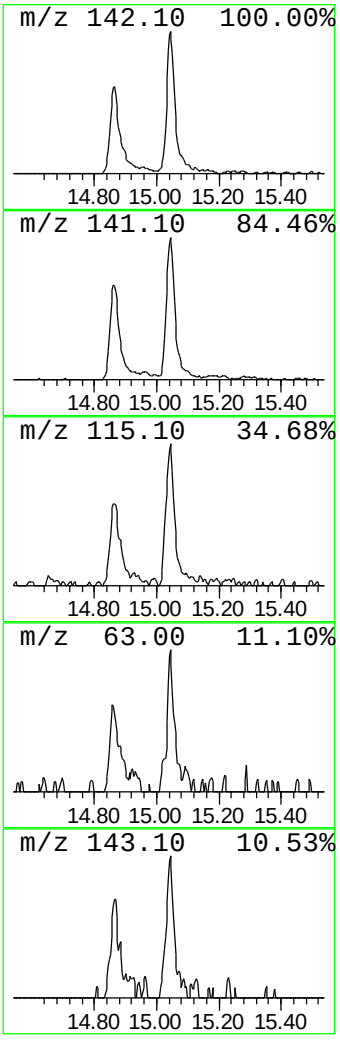
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	Benzocycloheptatriene	142	C11H10	000264-09-5	95
4	Benzocycloheptatriene	142	C11H10	000264-09-5	94
5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94











Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034831.D
Acq On : 26 Sep 2019 02:36
Operator : JC/SP
Sample : K4983-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL2

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
Propanal, 2-methyl-	3.16	3.5	ug/L	94586	1	5.86	1345220	50.0
Isopropyl acetate	5.53	8.4	ug/L	225541	1	5.86	1345220	50.0
n-Propyl acetate	6.68	155.4	ug/L	4181920	1	5.86	1345220	50.0
Propanoic acid, 1...	7.40	16.9	ug/L	454093	1	5.86	1345220	50.0
Propanoic acid, 2...	8.13	27.7	ug/L	784065	2	9.07	1417140	50.0
Propanoic acid, p...	8.40	44.3	ug/L	1255920	2	9.07	1417140	50.0
Butanoic acid, 1-...	8.88	55.4	ug/L	1569030	2	9.07	1417140	50.0
Benzene, propyl-	10.57	3.0	ug/L	75964	3	11.46	1269020	50.0
Benzene, 1-ethyl-...	10.66	6.1	ug/L	154462	3	11.46	1269020	50.0
Benzene, 1,2,3-tr...	11.12	14.5	ug/L	368360	3	11.46	1269020	50.0
7-Oxabicyclo[2.2....	11.30	3.8	ug/L	96099	3	11.46	1269020	50.0
Indane	11.74	7.5	ug/L	190223	3	11.46	1269020	50.0
Benzene, 1-ethyl-...	12.23	4.3	ug/L	109086	3	11.46	1269020	50.0
Benzene, 1-methyl...	12.33	2.9	ug/L	72964	3	11.46	1269020	50.0
Benzene, 1-methyl...	12.68	3.7	ug/L	94731	3	11.46	1269020	50.0
3-Phenylbut-1-ene	13.10	5.9	ug/L	149189	3	11.46	1269020	50.0
Naphthalene, 1-me...	15.04	4.4	ug/L	111522	3	11.46	1269020	50.0