LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092319\
Data File : VU034745.D
Acq On : 23 Sep 2019 20:08
Operator : JC/SP
Sample : K4932-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG3

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

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

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.392	87	94	105	rBV	316492	334452	10.66%	1.301%
2	1.672	173	181	193	rVB	252782	319364	10.18%	1.243%
3	2.257	354	363	373	rBV	460324	672583	21.43%	2.617%
4	2.582	461	464	466	rBV3	1343	931	0.03%	0.004%
5	2.608	468	472	476	rVV5	3127	3046	0.10%	0.012%
6	2.685	484	496	515	rVB	142929	255001	8.13%	0.992%
7	2.839	541	544	548	rBV3	2282	1388	0.04%	0.005%
8	2.894	559	561	568	rVB7	885	709	0.02%	0.003%
9	2.971	580	585	588	rBV5	2134	2001	0.06%	0.008%
10	3.019	595	600	602	rBV4	1180	1064	0.03%	0.004%
11	3.125	630	633	637	rBV2	797	663	0.02%	0.003%
12	3.148	637	640	642	rBV3	1451	728	0.02%	0.003%
13	3.193	651	654	658	rVB4	928	805	0.03%	0.003%
14	3.235	665	667	671	rVV3	1516	1101	0.04%	0.004%
15	3.254	671	673	678	rVB5	1332	856	0.03%	0.003%
16	3.286	678	683	685	rBV4	1559	1215	0.04%	0.005%
17	3.322	690	694	695	rBV3	1071	663	0.02%	0.003%
18	3.334	695	698	704	rVV7	2050	1839	0.06%	0.007%
19	3.376	708	711	714	rVB3	1278	790	0.03%	0.003%
20	3.453	731	735	738	rBV4	1017	1086	0.03%	0.004%
21	3.495	746	748	750	rVV3	1323	718	0.02%	0.003%
22	3.524	755	757	763	rVB4	1270	1008	0.03%	0.004%
23	3.556	763	767	769	rBV3	1711	1348	0.04%	0.005%
24	3.630	787	790	791	rBV3	1193	769	0.02%	0.003%
25	3.701	810	812	818	rVB4	948	814	0.03%	0.003%
26	3.810	843	846	849	rVB4	1893	1150	0.04%	0.004%
27	3.907	872	876	877	rBV2	1094	675	0.02%	0.003%
28	4.029	910	914	915	rBV4	1038	688	0.02%	0.003%
29	4.042	915	918	921	rVB4	1220	701	0.02%	0.003%
30	4.071	921	927	929	rBV6	1234	1107	0.04%	0.004%
31	4.151	940	952	979	rBV	222057	608737	19.40%	2.369%
32	4.453	1042	1046	1050	rVB7	1764	1455	0.05%	0.006%
33	4.621	1083	1098	1122	rBV2	365870	873339	27.83%	3.398%
34	5.010	1217	1219	1228	rVB7	1033	871	0.03%	0.003%

LSC Area Percent Report

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Operator : JC/SP
Sample : K4932-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG3

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	5.058	1232	1234	1237	rBV4	1705	729	0.02%	0.003%
36	5.119	1249	1253	1257	rBV5	1323	728	0.02%	0.003%
37	5.161	1264	1266	1269	rBV3	1104	725	0.02%	0.003%
38	5.315	1292	1314	1341	rBV2	776488	2295633	73.16%	8.933%
39	5.531	1368	1381	1406	rBV2	89113	193524	6.17%	0.753%
40	5.865	1464	1485	1503	rBV	667563	1551057	49.43%	6.036%
41	6.309	1610	1623	1642	rBV	536619	1073356	34.21%	4.177%
42	6.556	1695	1700	1701	rBV4	12377	10229	0.33%	0.040%
43	6.682	1728	1739	1779	rBV	1714106	3137842	100.00%	12.210%
44	7.206	1890	1902	1919	rBV	318240	577961	18.42%	2.249%
45	7.399	1952	1962	1990	rVB	223779	409933	13.06%	1.595%
46	7.543	1994	2007	2028	rBV	1072878	1894250	60.37%	7.371%
47	7.829	2084	2096	2118	rBV2	264942	487623	15.54%	1.897%
48	8.016	2152	2154	2157	rBV4	1418	669	0.02%	0.003%
49	8.135	2176	2191	2207	rBV	424356	716903	22.85%	2.790%
50	8.212	2208	2215	2218	rBV3	20718	27847	0.89%	0.108%
51	8.289	2229	2239	2262	rBV	877477	1529466	48.74%	5.952%
52	8.395	2263	2272	2299	rVB	569500	936972	29.86%	3.646%
53	8.762	2384	2386	2391	rVB5	2086	1546	0.05%	0.006%
54	8.884	2411	2424	2448	rBV	843317	1363196	43.44%	5.305%
55	9.067	2464	2481	2504	rBV	913491	1581693	50.41%	6.155%
56	9.209	2522	2525	2526	rBV3	1647	907	0.03%	0.004%
57	9.228	2526	2531	2537	rVV3	8163	11149	0.36%	0.043%
58	9.321	2557	2560	2561	rBV3	1625	925	0.03%	0.004%
59	9.354	2561	2570	2582	rVB3	28980	52869	1.68%	0.206%
60	9.588	2636	2643	2654	rVV	20896	35738	1.14%	0.139%
61	9.749	2681	2693	2717	rBV4	91754	186458	5.94%	0.726%
62	9.919	2741	2746	2747	rBV4	2144	1952	0.06%	0.008%
63	10.138	2809	2814	2815	rBV4	3302	2765	0.09%	0.011%
64	10.199	2831	2833	2837	rBV4	1197	666	0.02%	0.003%
65	10.225	2837	2841	2844	rBV4	1495	1342	0.04%	0.005%
66	10.270	2852	2855	2860	rVB6	1260	914	0.03%	0.004%
67	10.341	2875	2877	2880	rBV4	1355	699	0.02%	0.003%
68	10.408	2885	2898	2914	rBV	696434	1131521	36.06%	4.403%
69	10.540	2934	2939	2941	rBV5	1950	1811	0.06%	0.007%
70	10.566	2941	2947	2949	rBV3	5840	6564	0.21%	0.026%
71	10.620	2962	2964	2968	rBV5	1467	1081	0.03%	0.004%

LSC Area Percent Report

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Sample : K4932-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG3

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	10.662	2968	2977	2993	rVV3	29961	63874	2.04%	0.249%
73	10.749	2996	3004	3016	rVV3	26571	41838	1.33%	0.163%
74	10.897	3048	3050	3055	rVV6	1337	848	0.03%	0.003%
75	10.952	3059	3067	3079	rVV3	15589	25041	0.80%	0.097%
76	11.077	3099	3106	3110	rBV9	1994	2402	0.08%	0.009%
77	11.125	3110	3121	3135	rVV2	64852	106982	3.41%	0.416%
78	11.244	3156	3158	3160	rBV3	1295	672	0.02%	0.003%
79	11.402	3200	3207	3213	rBV5	5745	8317	0.27%	0.032%
80	11.460	3213	3225	3244	rVV	865259	1414364	45.07%	5.504%
81	11.550	3247	3253	3265	rVB	31981	50161	1.60%	0.195%
82	11.743	3308	3313	3316	rBV5	8022	9140	0.29%	0.036%
83	11.836	3330	3342	3365	rBV	945356	1566853	49.93%	6.097%
84	12.209	3456	3458	3459	rBV2	1911	828	0.03%	0.003%
85	12.234	3460	3466	3473	rVV6	7868	12409	0.40%	0.048%
86	12.334	3489	3497	3500	rBV5	10436	14063	0.45%	0.055%
87	12.408	3517	3520	3521	rBV2	1604	721	0.02%	0.003%
88	12.447	3530	3532	3536	rBV3	1896	1176	0.04%	0.005%
89	12.582	3570	3574	3575	rBV3	1927	1471	0.05%	0.006%
90	12.688	3599	3607	3619	rVB6	12075	19825	0.63%	0.077%
91	12.871	3661	3664	3667	rVB4	1853	1070	0.03%	0.004%
92	13.041	3715	3717	3720	rBV4	1606	972	0.03%	0.004%
93	13.109	3730	3738	3747	rVB5	13649	22128	0.71%	0.086%
94	13.170	3755	3757	3759	rBV3	1946	1002	0.03%	0.004%
95	13.254	3781	3783	3785	rBV4	1890	980	0.03%	0.004%
96	13.334	3806	3808	3812	rBV5	1919	1216	0.04%	0.005%
97	13.437	3836	3840	3841	rBV5	2716	1709	0.05%	0.007%
98	13.688	3916	3918	3920	rBV3	1686	907	0.03%	0.004%
99	13.926	3988	3992	3996	rBV7	2223	2509	0.08%	0.010%
100	14.357	4123	4126	4130	rBV4	2830	2138	0.07%	0.008%

Sum of corrected areas: 25698524

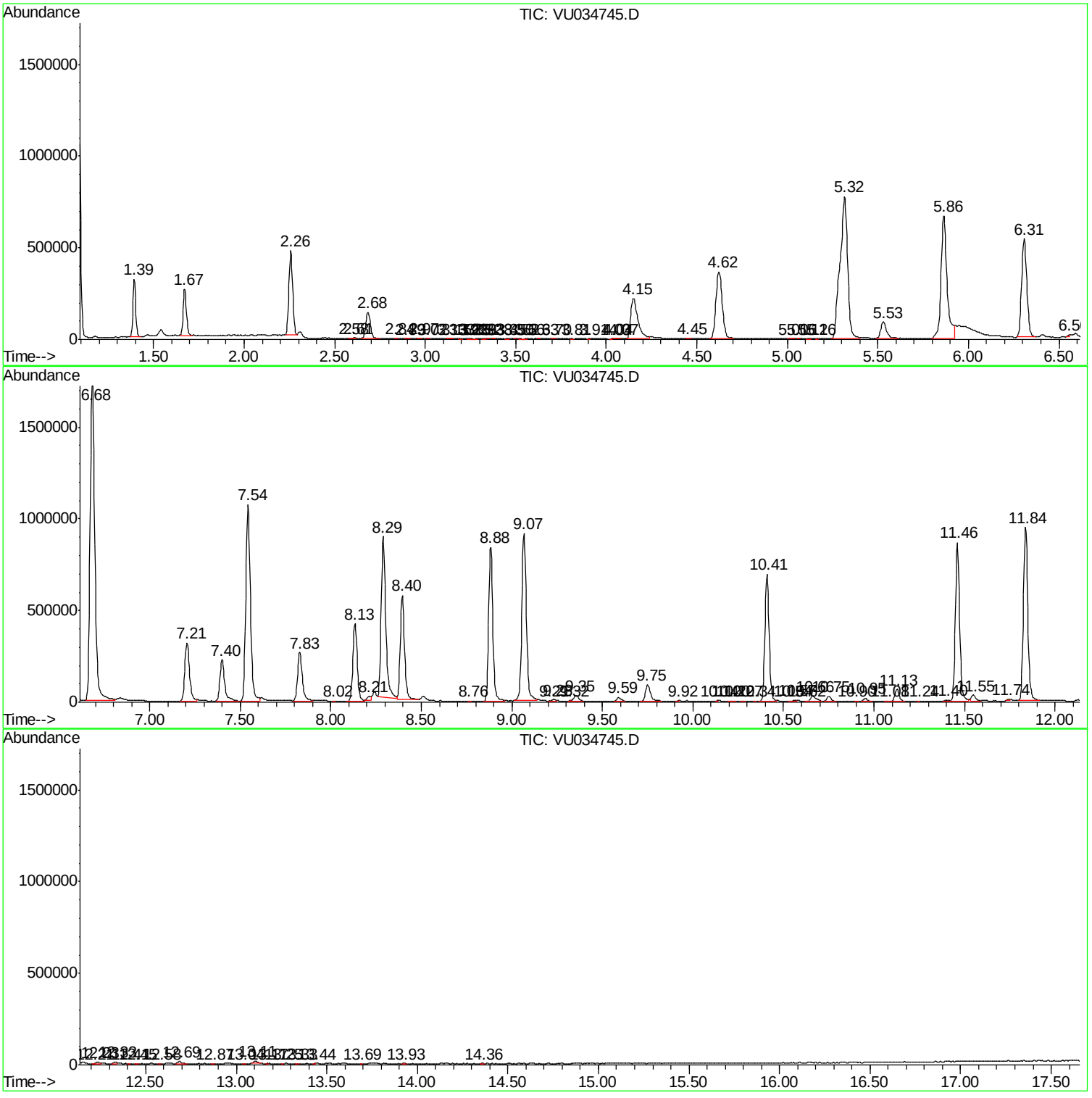
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092319\
Data File : VU034745.D
Acq On : 23 Sep 2019 20:08
Operator : JC/SP
Sample : K4932-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG3

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\VU092319\
Data File : VU034745.D
Acq On : 23 Sep 2019 20:08
Operator : JC/SP
Sample : K4932-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG3

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

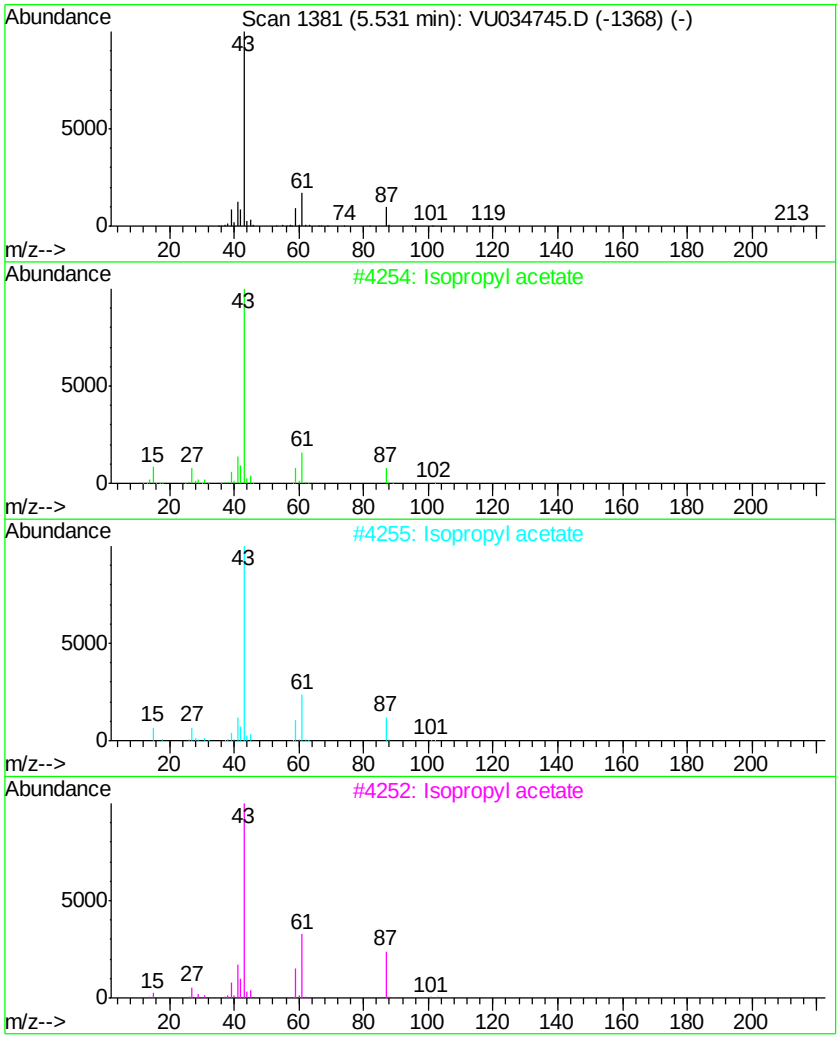
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

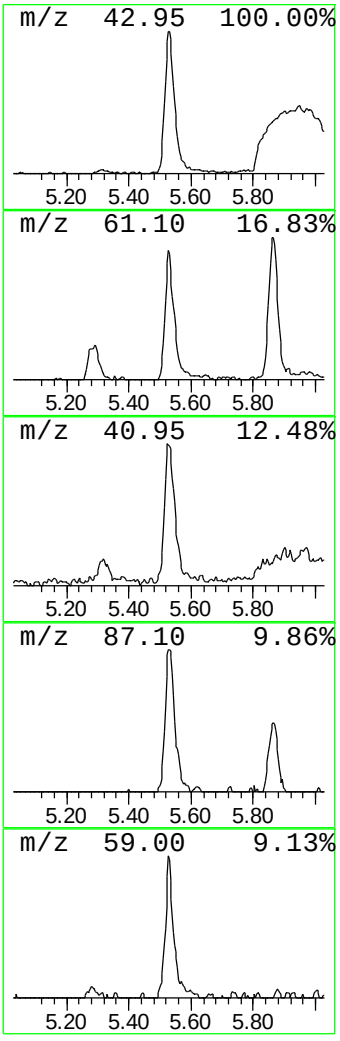
****

Peak Number 1 Isopropyl acetate Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.53	6.24 ug/L	193524	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropyl acetate	102	C5H10O2	000108-21-4	72
2	Isopropyl acetate	102	C5H10O2	000108-21-4	72
3	Isopropyl acetate	102	C5H10O2	000108-21-4	64
4	Isopropyl acetate	102	C5H10O2	000108-21-4	59
5	n-Propyl acetate	102	C5H10O2	000109-60-4	9





Library Search Compound Report

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Data File : VU034745.D
Acq On : 23 Sep 2019 20:08
Operator : JC/SP
Sample : K4932-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG3

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

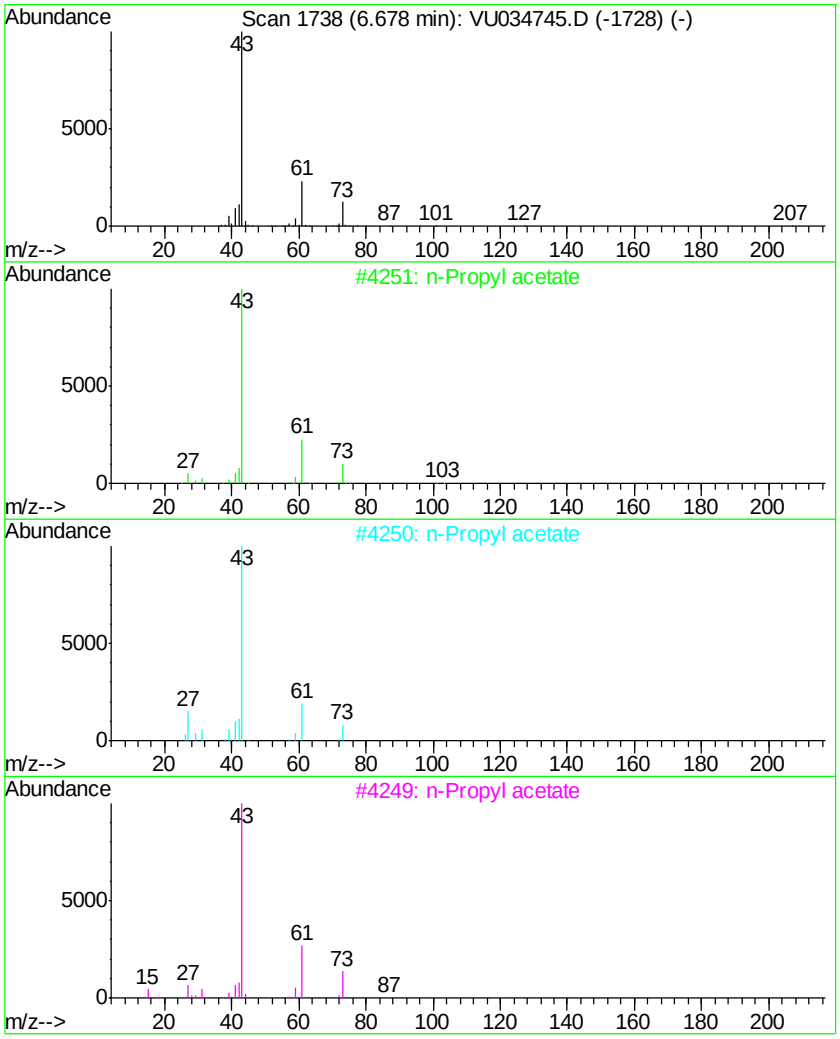
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

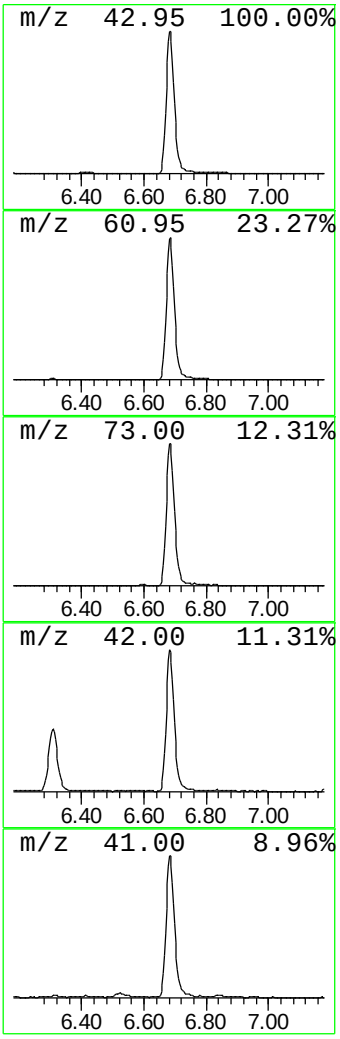
****

Peak Number 2 n-Propyl acetate Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	101.15 ug/L	3137840	1,4-Difluorobenzene	5.86

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





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ClientSampleId : BFDG3

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

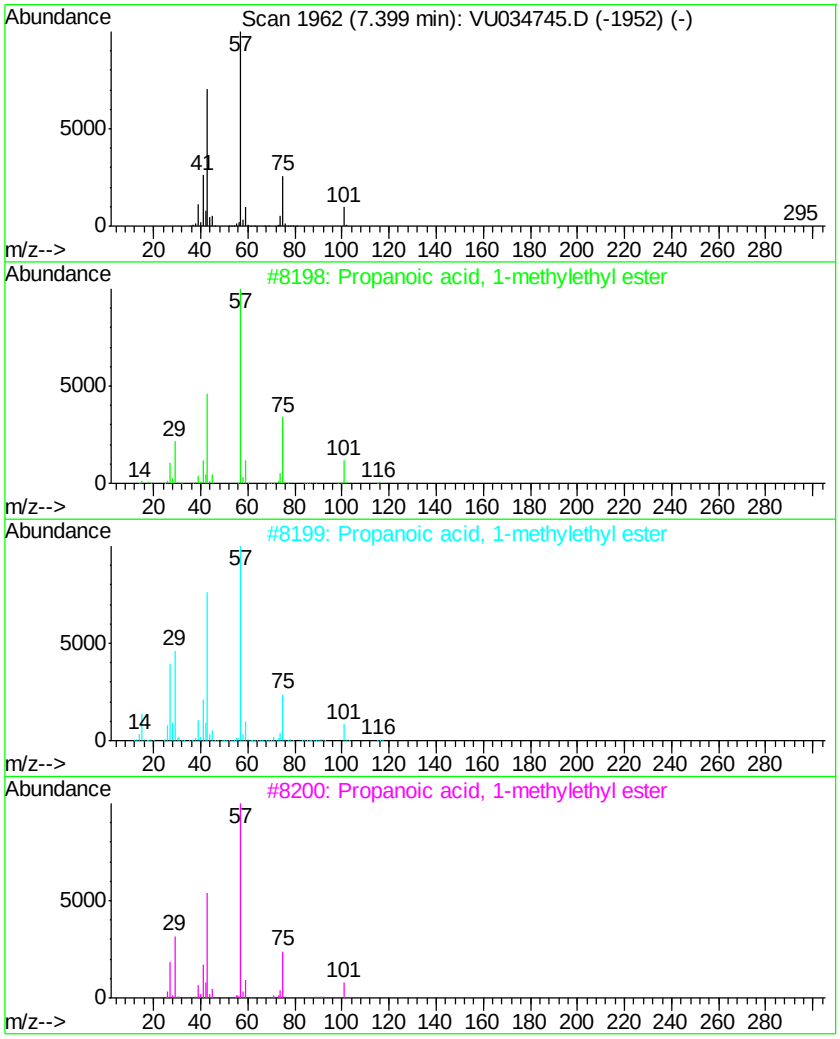
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

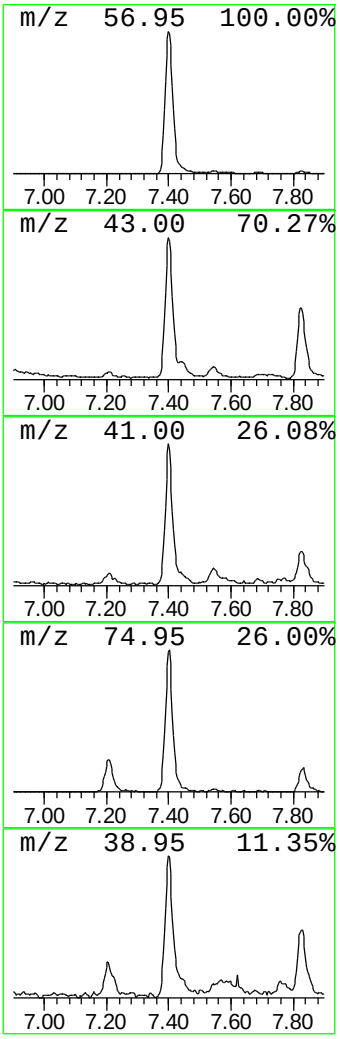
****

Peak Number 4 Propanoic acid, 1-methyleth... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.40	13.21 ug/L	409933	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	78
2	Propanoic acid, 1-methylethyl ester	116	C6H12O2	000637-78-5	72
3	Propanoic acid, 1-methylethyl ester	116	C6H12O2	000637-78-5	64
4	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	42
5	Propanoic acid, 1-methylethyl ester	116	C6H12O2	000637-78-5	40





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034745.D
Acq On : 23 Sep 2019 20:08
Operator : JC/SP
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Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG3

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

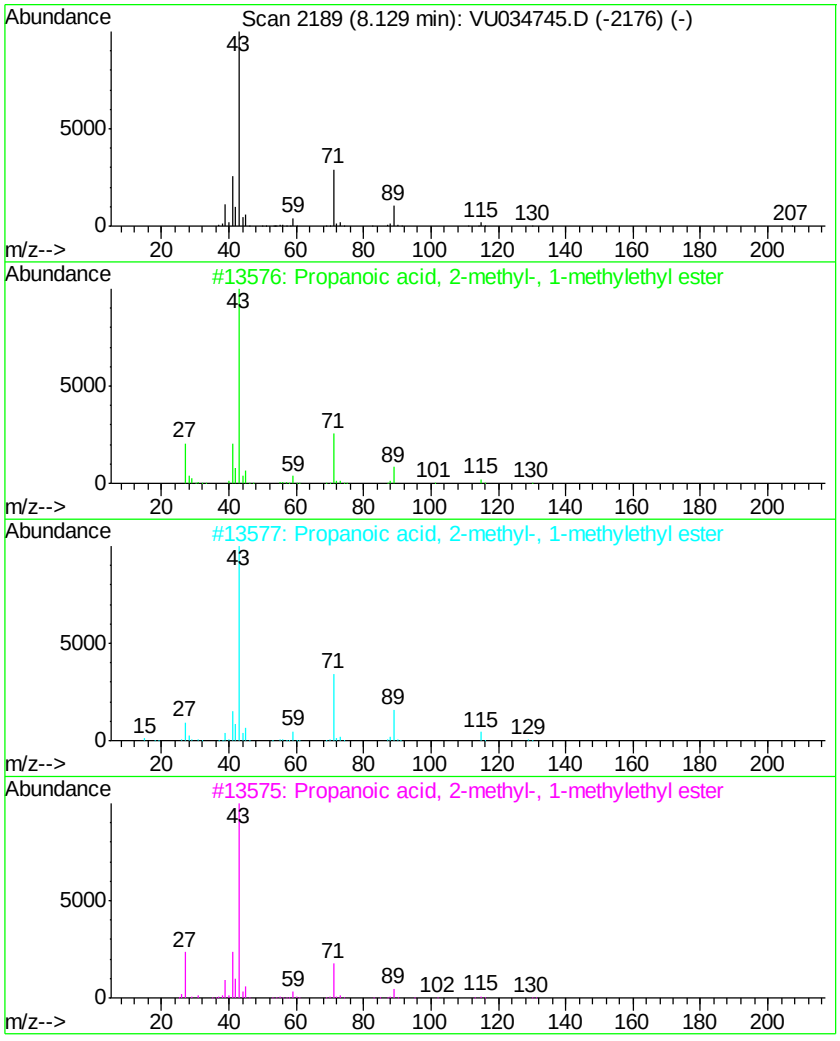
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

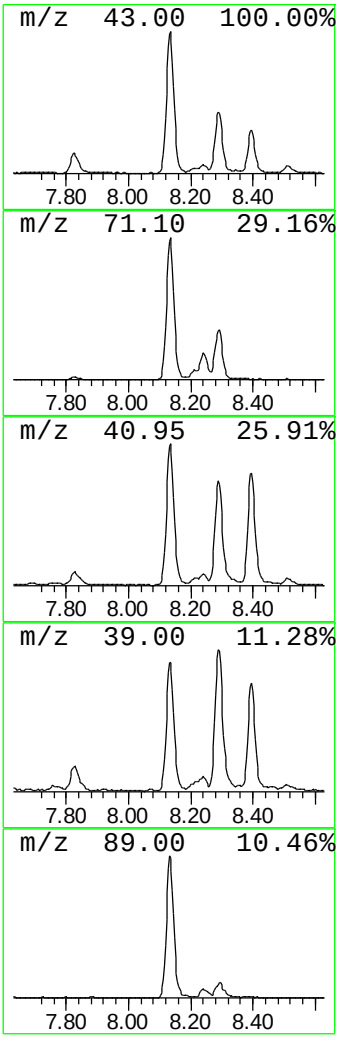
****

Peak Number 5 Propanoic acid, 2-methyl-, ... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.13	22.66 ug/L	716903	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	72
3	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	72
4	N-Hydroxymethylacetamide	89	C3H7NO2	000625-51-4	53
5	Oxalic acid, pentyl propyl ester	202	C10H18O4	1000309-25-7	42





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Data File : VU034745.D
Acq On : 23 Sep 2019 20:08
Operator : JC/SP
Sample : K4932-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG3

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

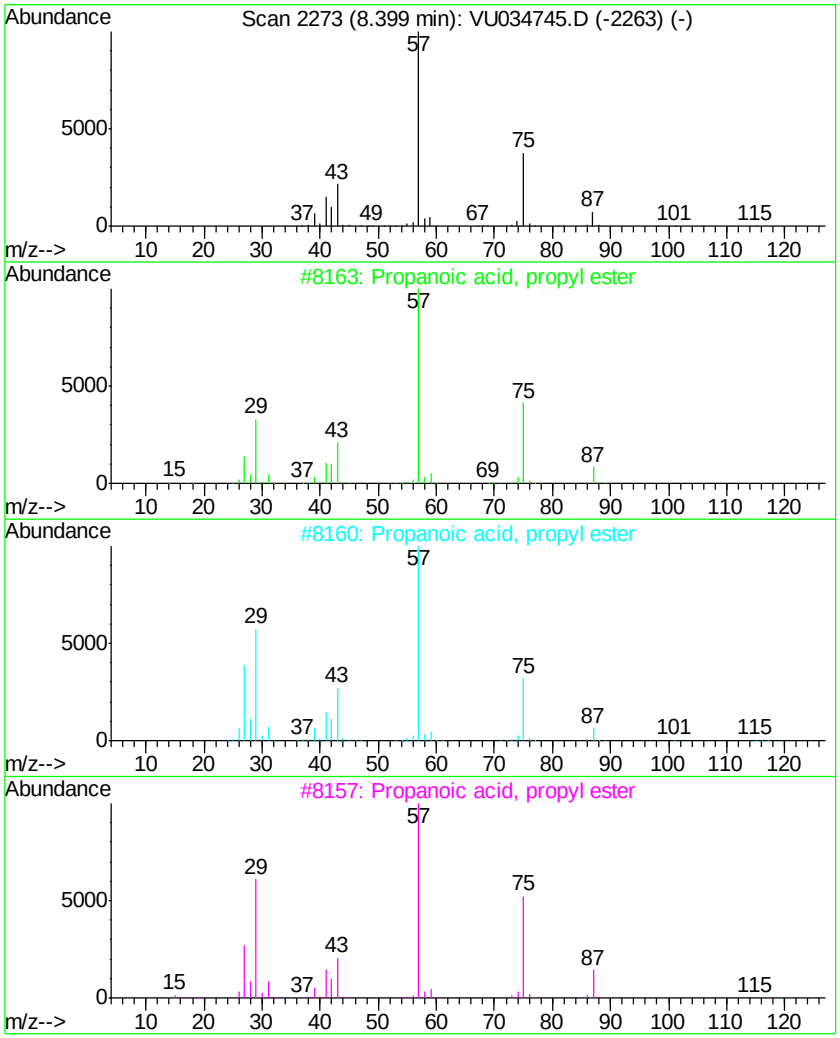
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

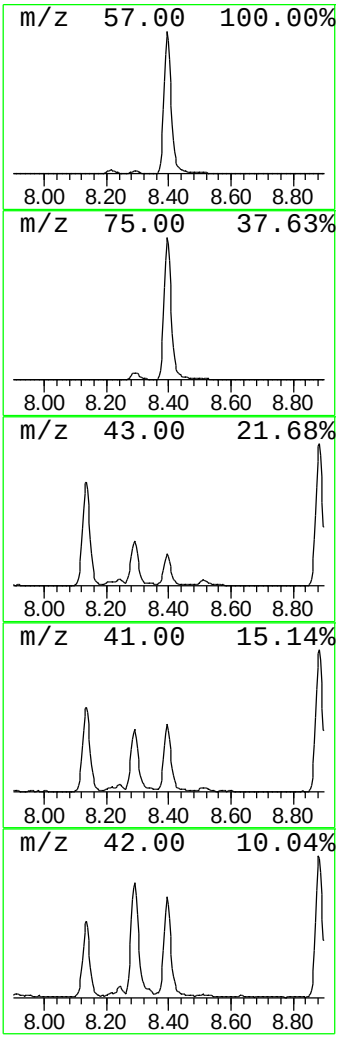
****

Peak Number 6 Propanoic acid, propyl ester Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.40	29.62 ug/L	936972	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	1-Pentanamine	87	C5H13N	000110-58-7	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092319\
Data File : VU034745.D
Acq On : 23 Sep 2019 20:08
Operator : JC/SP
Sample : K4932-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG3

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

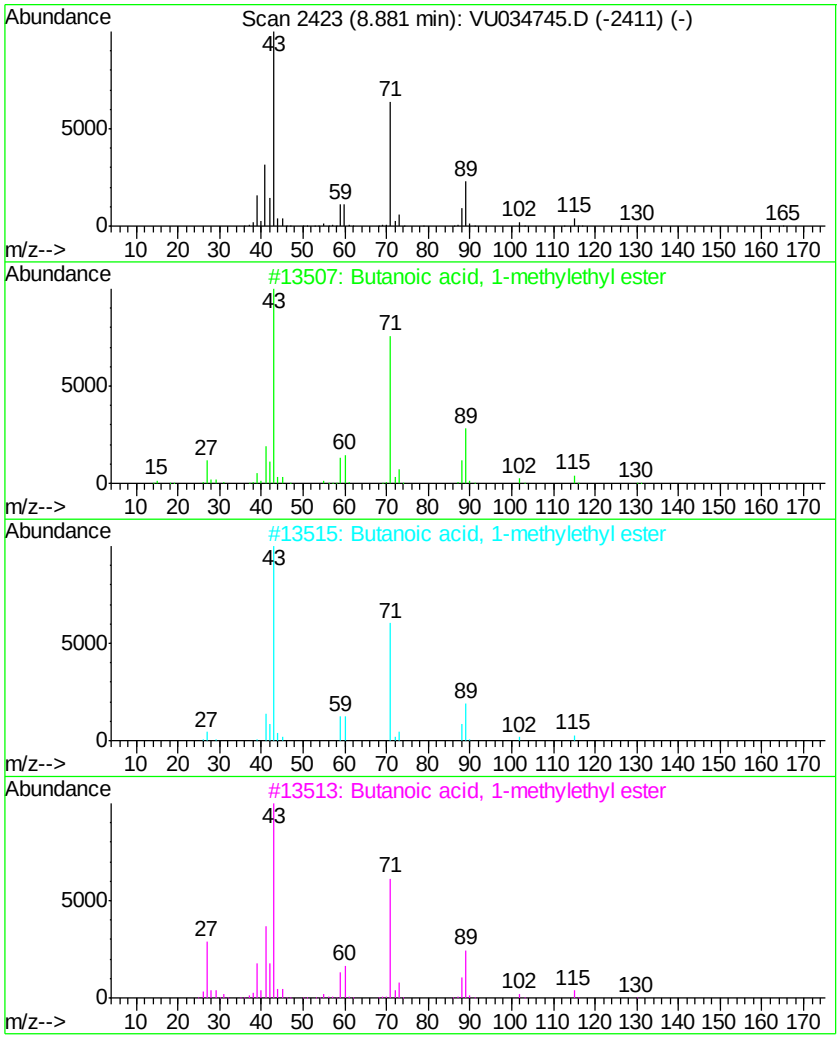
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

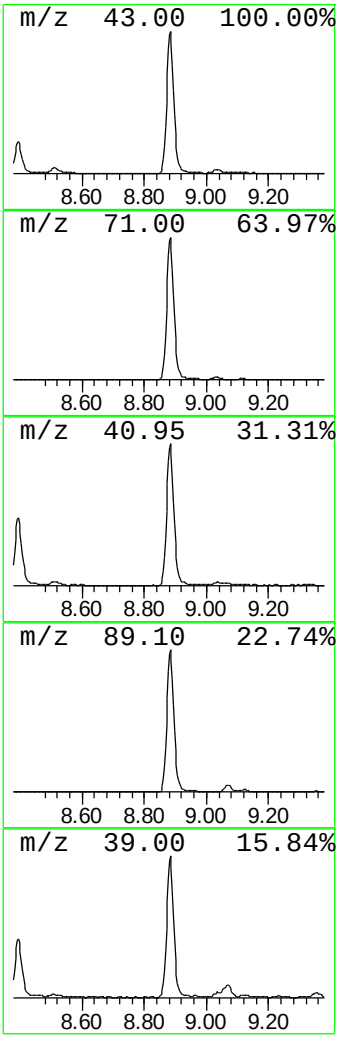
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.88	43.09 ug/L	1363200	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	95
2	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	90
3	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	78
4	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	72
5	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034745.D
Acq On : 23 Sep 2019 20:08
Operator : JC/SP
Sample : K4932-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG3

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

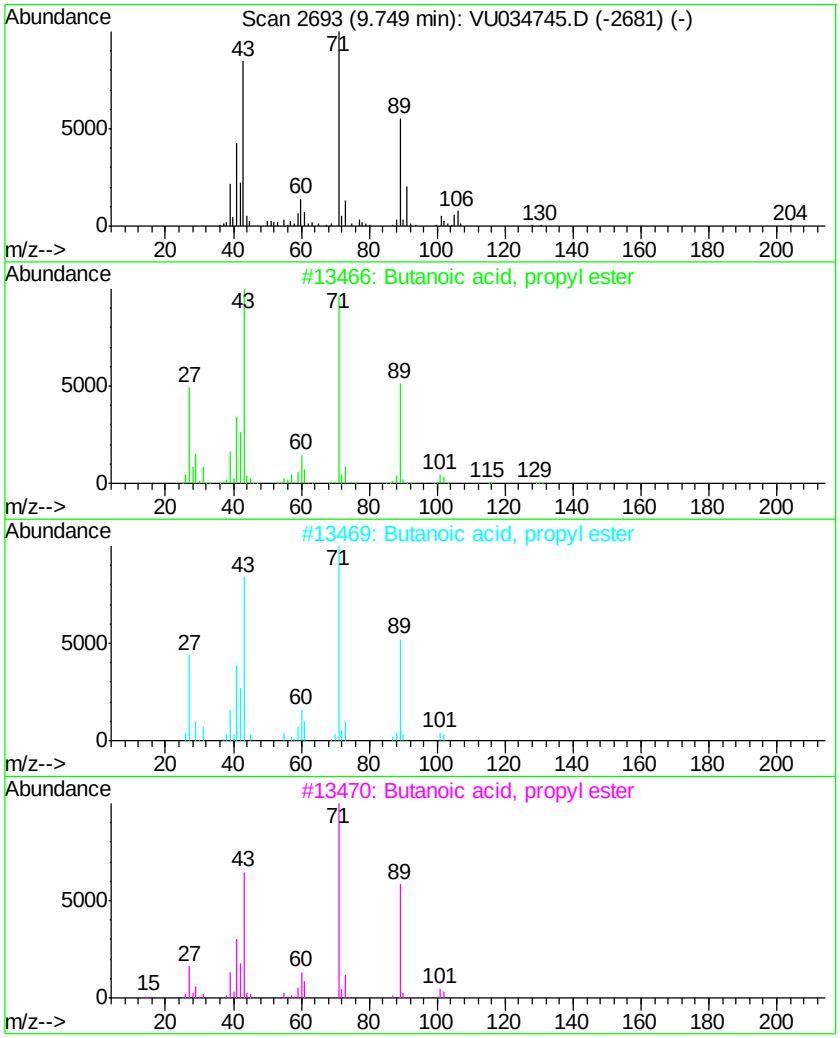
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

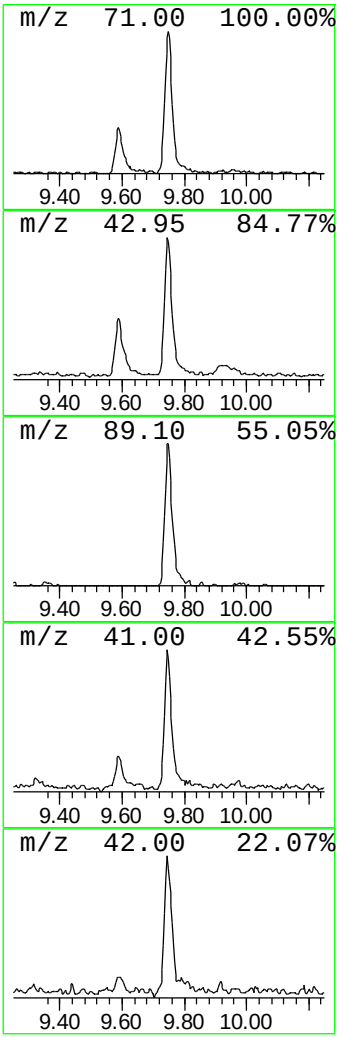
****

Peak Number 8 Butanoic acid, propyl ester Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.75	5.89 ug/L	186458	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, propyl ester	130	C7H14O2	000105-66-8	90
2	Butanoic acid, propyl ester	130	C7H14O2	000105-66-8	83
3	Butanoic acid, propyl ester	130	C7H14O2	000105-66-8	78
4	Propanoic acid, 2-methyl-, propy...	130	C7H14O2	000644-49-5	64
5	Propanoic acid, 2-methyl-, butyl...	144	C8H16O2	000097-87-0	59





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034745.D
Acq On : 23 Sep 2019 20:08
Operator : JC/SP
Sample : K4932-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG3

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	6.2	ug/L	193524	1	5.86	1551060	50.0
n-Propyl acetate	6.68	101.2	ug/L	3137840	1	5.86	1551060	50.0
Propanoic acid, 1...	7.40	13.2	ug/L	409933	1	5.86	1551060	50.0
Propanoic acid, 2...	8.13	22.7	ug/L	716903	2	9.07	1581690	50.0
Propanoic acid, p...	8.40	29.6	ug/L	936972	2	9.07	1581690	50.0
Butanoic acid, 1-...	8.88	43.1	ug/L	1363200	2	9.07	1581690	50.0
Butanoic acid, pr...	9.75	5.9	ug/L	186458	2	9.07	1581690	50.0