LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061819\
Data File : VU032835.D
Acq On : 18 Jun 2019 19:48
Operator : JC/SP
Sample : K3324-10
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0JR6

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\SOMULM061719WMA.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	1.180	24	28	35	rVB3	3950	3653	0.26%	0.034%
2	1.396	88	95	109	rVB	111214	111286	8.05%	1.043%
3	1.675	174	182	195	rVB	91921	112194	8.12%	1.052%
4	2.267	355	366	377	rBV	187576	282862	20.47%	2.652%
5	2.431	411	417	419	rBV4	894	1005	0.07%	0.009%
6	2.505	438	440	445	rBV4	267	267	0.02%	0.003%
7	2.540	450	451	457	rVB2	391	213	0.02%	0.002%
8	2.618	470	475	484	rVB	1872	2289	0.17%	0.021%
9	2.695	491	499	510	rVB	6080	9945	0.72%	0.093%
10	2.746	510	515	516	rBV3	409	329	0.02%	0.003%
11	2.814	531	536	540	rBV4	729	896	0.06%	0.008%
12	2.830	540	541	543	rVV	659	327	0.02%	0.003%
13	2.859	547	550	555	rBV3	307	323	0.02%	0.003%
14	2.920	566	569	573	rBV2	453	338	0.02%	0.003%
15	3.042	601	607	610	rBV3	421	469	0.03%	0.004%
16	3.087	615	621	626	rBV3	566	654	0.05%	0.006%
17	3.126	630	633	637	rBV	258	225	0.02%	0.002%
18	3.328	693	696	700	rVB3	320	246	0.02%	0.002%
19	3.450	730	734	738	rBV4	412	422	0.03%	0.004%
20	3.566	761	770	771	rBV	419	388	0.03%	0.004%
21	3.762	829	831	835	rVB2	333	227	0.02%	0.002%
22	3.791	835	840	842	rBV2	372	342	0.02%	0.003%
23	3.865	859	863	867	rBV2	323	325	0.02%	0.003%
24	4.026	908	913	915	rBV	256	221	0.02%	0.002%
25	4.119	937	942	944	rVB2	303	221	0.02%	0.002%
26	4.167	944	957	999	rBV	86141	230486	16.68%	2.161%
27	4.431	1036	1039	1043	rVB3	355	243	0.02%	0.002%
28	4.640	1087	1104	1126	rVV	150187	349332	25.28%	3.275%
29	4.769	1140	1144	1145	rBV2	475	288	0.02%	0.003%
30	4.865	1171	1174	1176	rBV2	506	326	0.02%	0.003%
31	4.984	1208	1211	1219	rVB3	346	335	0.02%	0.003%
32	5.064	1233	1236	1242	rBV2	322	492	0.04%	0.005%
33	5.138	1253	1259	1261	rVB2	283	234	0.02%	0.002%
34	5.331	1295	1319	1352	rVV2	293674	874575	63.29%	8.198%

LSC Area Percent Report

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Sample : K3324-10
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0JR6

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\SOMULM061719WMA.M
Title : VOC Analysis

35	5.457	1355	1358	1361	rVB2	459	313	0.02%	0.003%
36	5.547	1376	1386	1402	rBV2	5921	12652	0.92%	0.119%
37	5.617	1404	1408	1412	rBV3	519	499	0.04%	0.005%
38	5.759	1449	1452	1454	rBV2	313	225	0.02%	0.002%
39	5.878	1476	1489	1514	rBV	284108	556104	40.24%	5.213%
40	6.023	1523	1534	1536	rBV5	1277	1969	0.14%	0.018%
41	6.183	1572	1584	1599	rVB2	30790	60585	4.38%	0.568%
42	6.325	1613	1628	1645	rBV	200568	400089	28.95%	3.750%
43	6.421	1650	1658	1679	rVB2	6726	15394	1.11%	0.144%
44	6.531	1686	1692	1698	rBV3	2277	3428	0.25%	0.032%
45	6.576	1701	1706	1713	rVV	4430	6211	0.45%	0.058%
46	6.698	1732	1744	1780	rBV	774454	1381881	100.00%	12.954%
47	7.100	1866	1869	1875	rVB2	523	515	0.04%	0.005%
48	7.138	1875	1881	1884	rBV2	579	464	0.03%	0.004%
49	7.222	1895	1907	1929	rBV	116310	209507	15.16%	1.964%
50	7.341	1942	1944	1947	rBV2	460	222	0.02%	0.002%
51	7.415	1955	1967	1996	rVB	146829	252210	18.25%	2.364%
52	7.559	1999	2012	2029	rBV	407376	708587	51.28%	6.642%
53	7.842	2088	2100	2119	rBV2	95773	168822	12.22%	1.583%
54	8.016	2152	2154	2159	rBV4	496	296	0.02%	0.003%
55	8.067	2167	2170	2175	rVB3	392	361	0.03%	0.003%
56	8.093	2175	2178	2183	rBV4	360	368	0.03%	0.003%
57	8.148	2184	2195	2210	rVV	84364	138920	10.05%	1.302%
58	8.257	2212	2229	2235	rVV3	29779	61056	4.42%	0.572%
59	8.305	2235	2244	2265	rVV	294748	513368	37.15%	4.812%
60	8.408	2266	2276	2302	rVV	554770	886924	64.18%	8.314%
61	8.521	2302	2311	2330	rVB	35457	62398	4.52%	0.585%
62	8.620	2339	2342	2348	rVB4	545	483	0.03%	0.005%
63	8.817	2400	2403	2407	rVB3	463	369	0.03%	0.003%
64	8.897	2416	2428	2461	rBV	386648	605598	43.82%	5.677%
65	9.084	2466	2486	2514	rBV	433967	721994	52.25%	6.768%
66	9.283	2544	2548	2550	rBV	248	214	0.02%	0.002%
67	9.331	2559	2563	2564	rBV	408	234	0.02%	0.002%
68	9.341	2564	2566	2569	rVV	406	223	0.02%	0.002%
69	9.379	2573	2578	2582	rVB4	472	516	0.04%	0.005%
70	9.479	2607	2609	2612	rBV2	397	294	0.02%	0.003%
71	9.543	2624	2629	2631	rVB4	355	283	0.02%	0.003%

LSC Area Percent Report

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Acq On : 18 Jun 2019 19:48
Operator : JC/SP
Sample : K3324-10
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0JR6

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\SOMULM061719WMA.M
Title : VOC Analysis

72	9.601	2637	2647	2658	rBV3	5566	9601	0.69%	0.090%
73	9.762	2685	2697	2712	rVV	17121	28194	2.04%	0.264%
74	9.868	2727	2730	2734	rVB3	449	385	0.03%	0.004%
75	9.903	2739	2741	2746	rVV3	247	234	0.02%	0.002%
76	10.154	2814	2819	2822	rBV2	549	460	0.03%	0.004%
77	10.212	2833	2837	2841	rVB3	364	335	0.02%	0.003%
78	10.244	2841	2847	2850	rBV4	424	466	0.03%	0.004%
79	10.424	2891	2903	2923	rBV	293541	470896	34.08%	4.414%
80	10.640	2966	2970	2973	rBV4	255	248	0.02%	0.002%
81	10.701	2986	2989	2992	rBV2	304	234	0.02%	0.002%
82	10.765	3003	3009	3011	rBV4	450	455	0.03%	0.004%
83	10.878	3041	3044	3047	rBV3	468	324	0.02%	0.003%
84	10.900	3047	3051	3054	rVV3	467	443	0.03%	0.004%
85	10.929	3058	3060	3067	rVB4	274	319	0.02%	0.003%
86	11.276	3165	3168	3174	rBV3	258	328	0.02%	0.003%
87	11.402	3202	3207	3210	rBV3	255	257	0.02%	0.002%
88	11.479	3218	3231	3251	rBV	445644	711262	51.47%	6.667%
89	11.855	3334	3348	3368	rBV	414958	679927	49.20%	6.374%
90	12.254	3469	3472	3473	rBV2	403	232	0.02%	0.002%
91	12.910	3672	3676	3679	rBV3	401	388	0.03%	0.004%
92	13.296	3794	3796	3799	rVV	467	255	0.02%	0.002%
93	13.566	3877	3880	3885	rVB2	406	271	0.02%	0.003%
94	13.742	3933	3935	3939	rBV2	402	286	0.02%	0.003%
95	13.871	3972	3975	3980	rVB2	572	403	0.03%	0.004%
96	13.993	4011	4013	4018	rVB2	636	337	0.02%	0.003%
97	14.070	4034	4037	4040	rBV2	461	330	0.02%	0.003%
98	14.151	4059	4062	4065	rBV3	614	510	0.04%	0.005%
99	14.472	4159	4162	4165	rBV2	527	457	0.03%	0.004%
100	14.607	4202	4204	4209	rBV3	579	442	0.03%	0.004%

Sum of corrected areas: 10667833

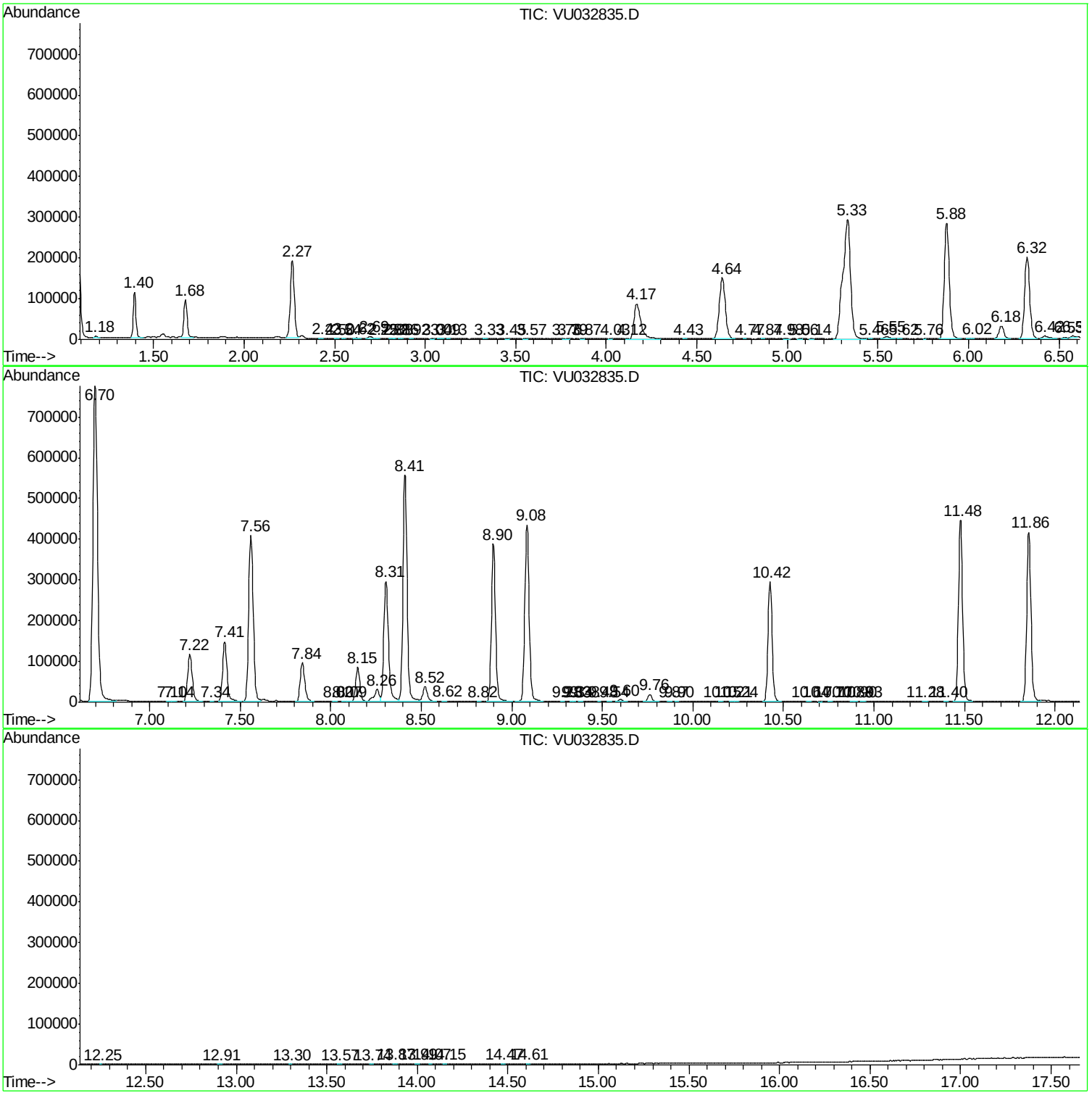
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061819\
Data File : VU032835.D
Acq On : 18 Jun 2019 19:48
Operator : JC/SP
Sample : K3324-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0JR6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.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\VU061819\
Data File : VU032835.D
Acq On : 18 Jun 2019 19:48
Operator : JC/SP
Sample : K3324-10
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ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0JR6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis

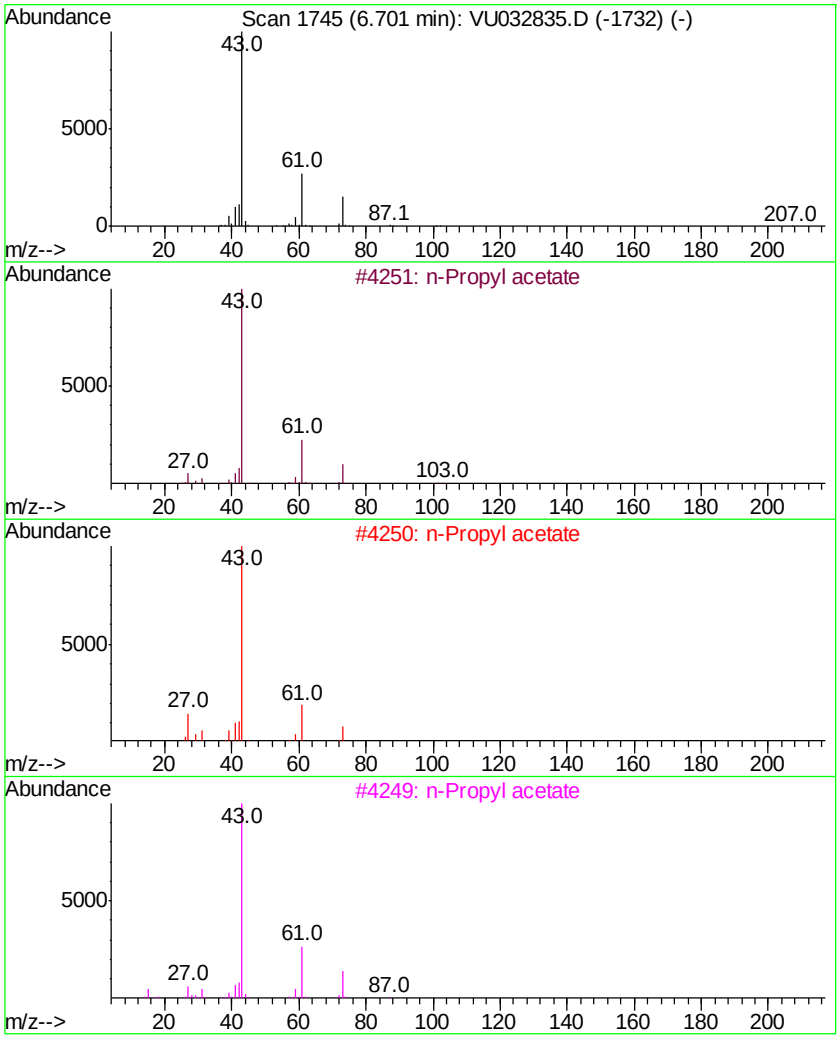
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

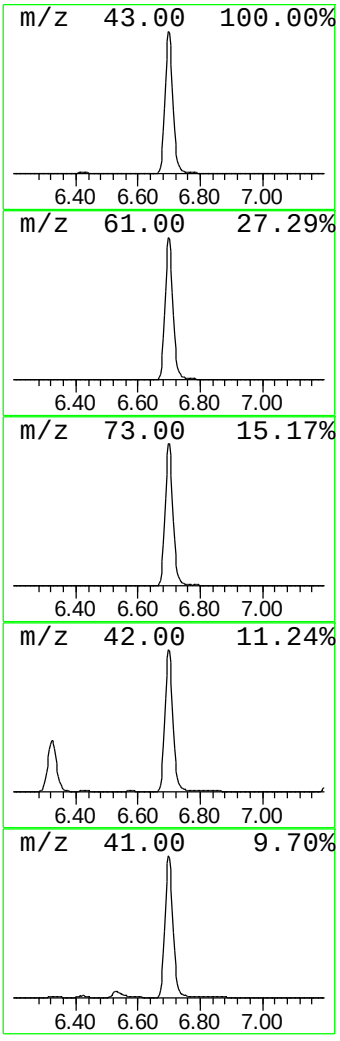
****

Peak Number 1 n-Propyl acetate Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.70	124.25 ug/L	1381880	1,4-Difluorobenzene	5.88

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	Isobutyl acetate	116	C6H12O2	000110-19-0	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061819\
Data File : VU032835.D
Acq On : 18 Jun 2019 19:48
Operator : JC/SP
Sample : K3324-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0JR6

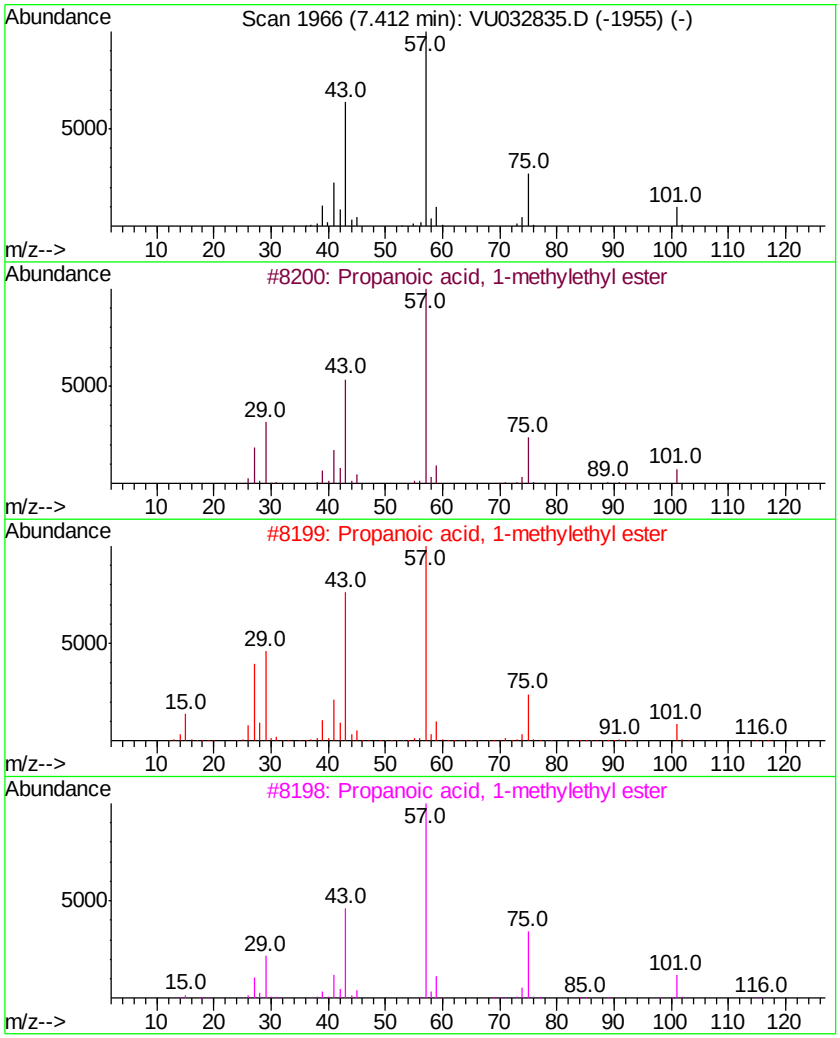
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis

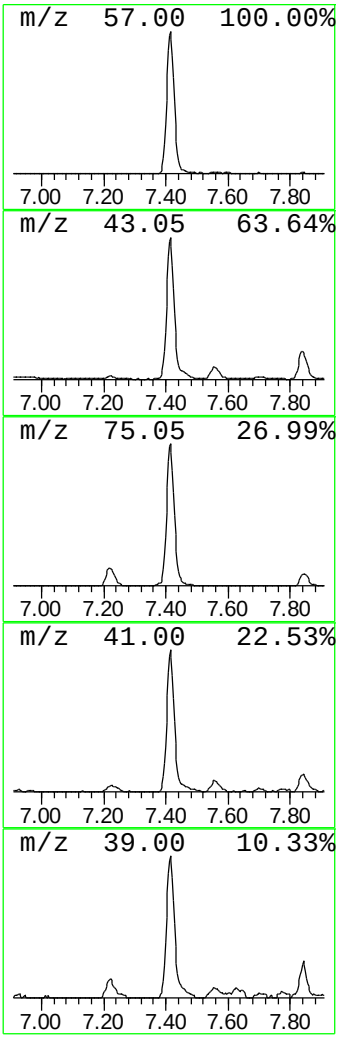
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Propanoic acid, 1-methyleth... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.41	22.68 ug/L	252210	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, 1-methylethyl ester	116	C6H12O2	000637-78-5	90
2	Propanoic acid, 1-methylethyl ester	116	C6H12O2	000637-78-5	83
3	Propanoic acid, 1-methylethyl ester	116	C6H12O2	000637-78-5	74
4	Propanoic acid, 1-methylethyl ester	116	C6H12O2	000637-78-5	59
5	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	42





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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis

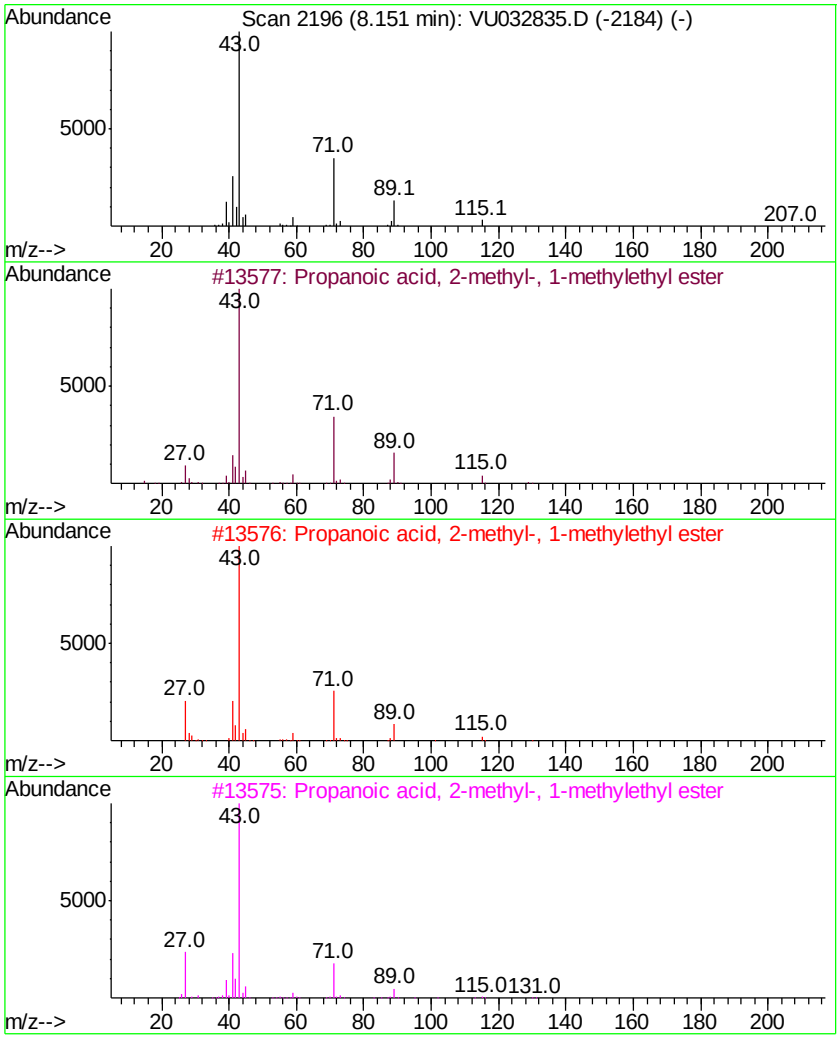
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

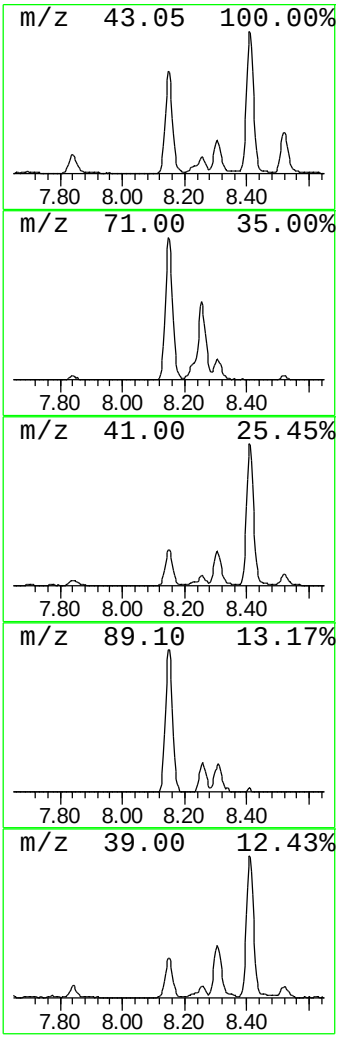
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.15	9.62 ug/L	138920	Chlorobenzene-d5	9.08

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	74
4	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	53
5	3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	42





Library Search Compound Report

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Data File : VU032835.D
Acq On : 18 Jun 2019 19:48
Operator : JC/SP
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ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0JR6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis

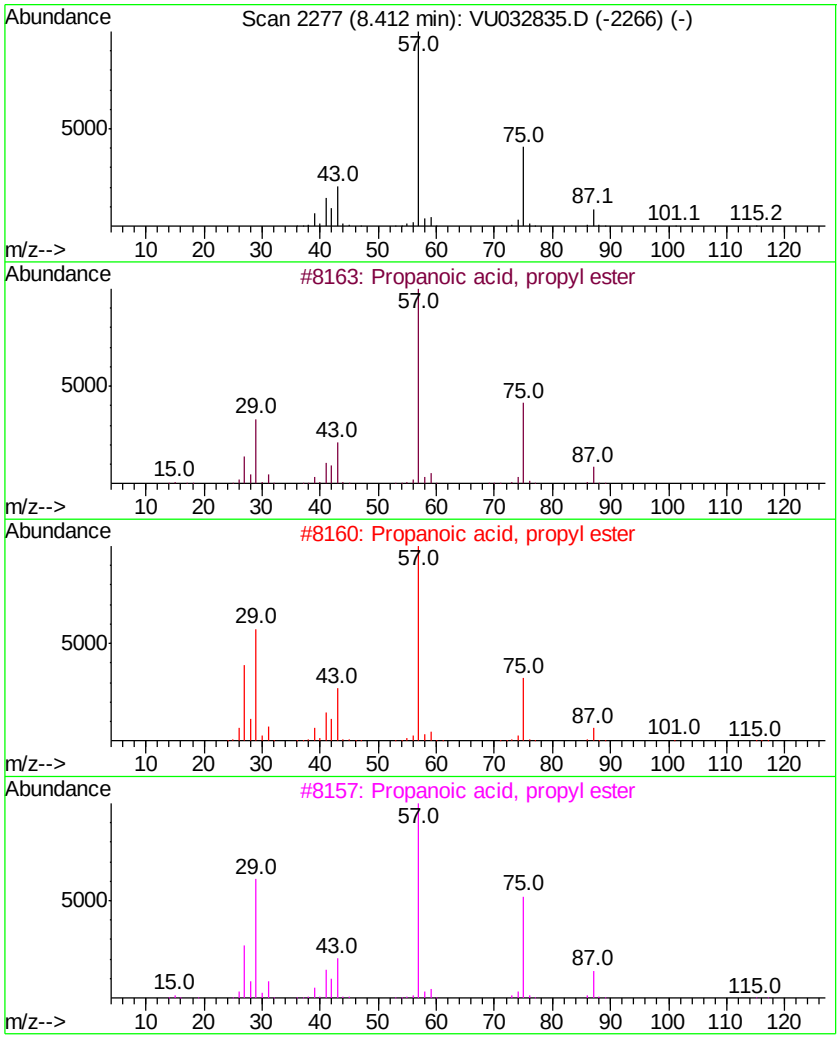
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

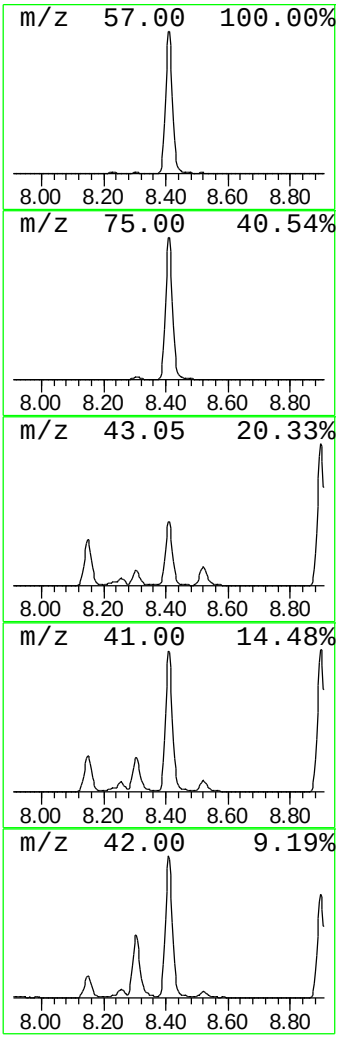
****

Peak Number 5 Propanoic acid, propyl ester Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.41	61.42 ug/L	886924	Chlorobenzene-d5	9.08

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	38





Library Search Compound Report

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Data File : VU032835.D
Acq On : 18 Jun 2019 19:48
Operator : JC/SP
Sample : K3324-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0JR6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis

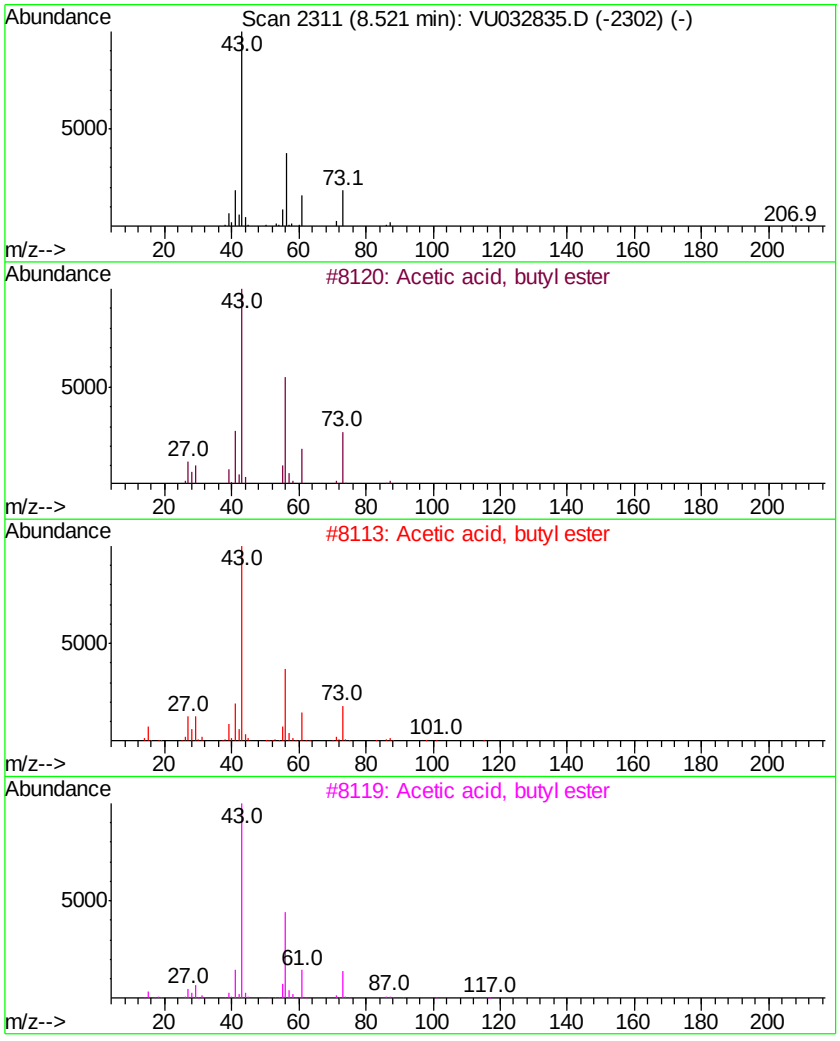
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

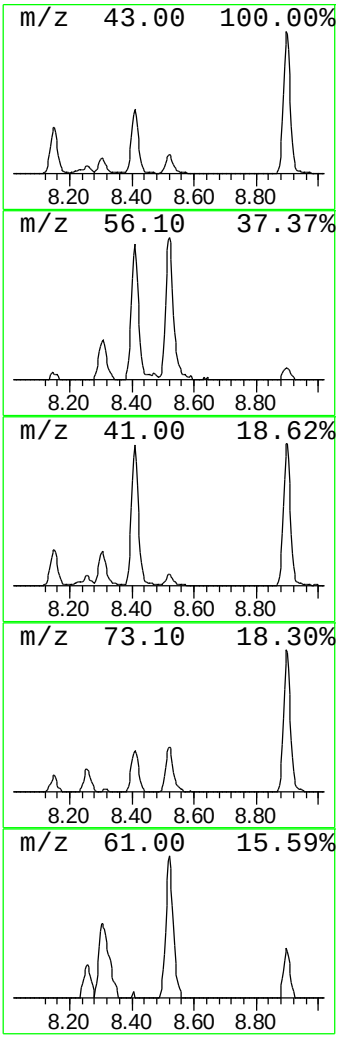
****

Peak Number 6 Acetic acid, butyl ester Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.52	4.32 ug/L	62398	Chlorobenzene-d5	9.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, butyl ester	116	C6H12O2	000123-86-4	83
2	Acetic acid, butyl ester	116	C6H12O2	000123-86-4	83
3	Acetic acid, butyl ester	116	C6H12O2	000123-86-4	74
4	Acetic acid, butyl ester	116	C6H12O2	000123-86-4	72
5	1-Butanol, 4-chloro-, acetate	150	C6H11ClO2	006962-92-1	28





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061819\
Data File : VU032835.D
Acq On : 18 Jun 2019 19:48
Operator : JC/SP
Sample : K3324-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0JR6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis

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

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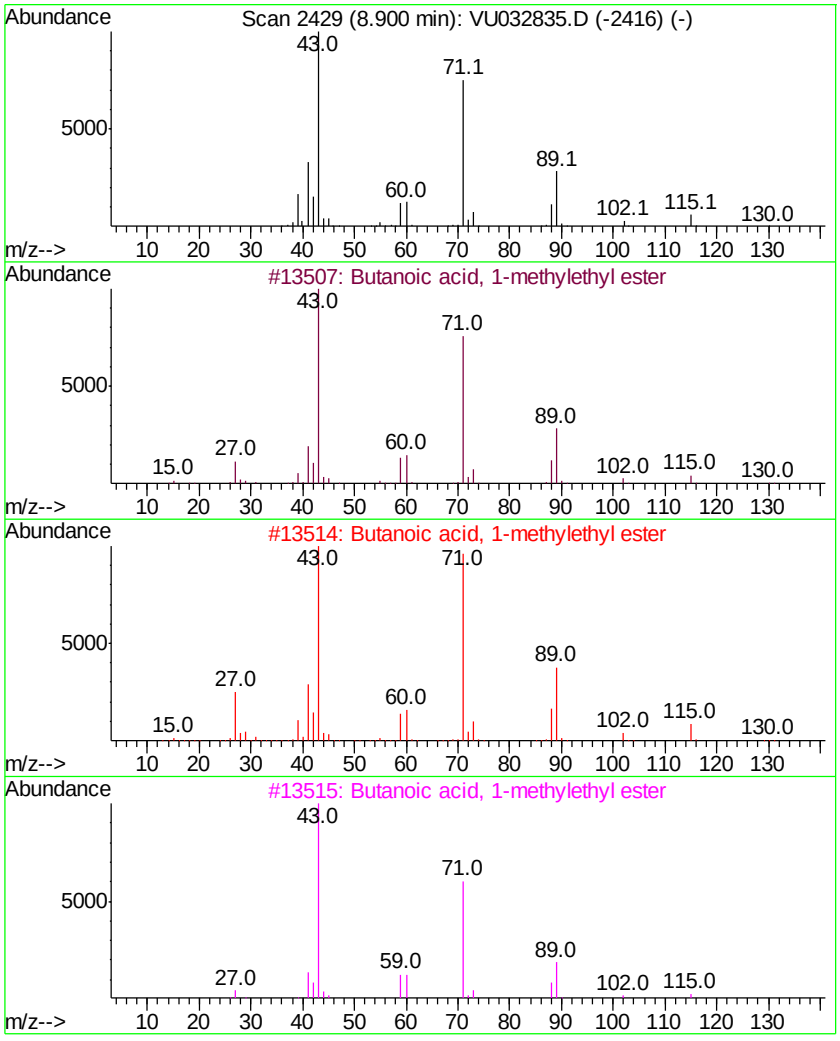
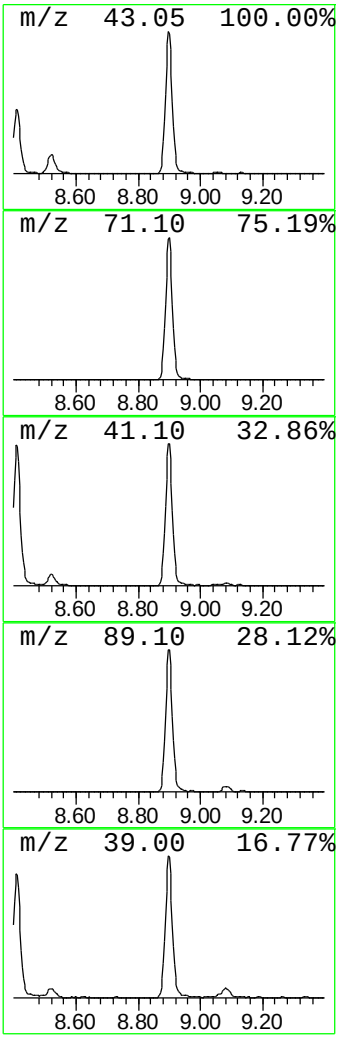
Peak Number 7 Butanoic acid, 1-methylethy... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.90	41.94 ug/L	605598	Chlorobenzene-d5	9.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	94
2	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	90
3	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	83
4	Propanoic acid, 2-methyl-, propy...	130	C7H14O2	000644-49-5	72
5	Butanoic acid, propyl ester	130	C7H14O2	000105-66-8	64





Tentatively Identified Compound (LSC) summary

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					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
n-Propyl acetate	6.70	124.3	ug/L	1381880	1	5.88	556104	50.0
Propanoic acid, 1...	7.41	22.7	ug/L	252210	1	5.88	556104	50.0
Propanoic acid, 2...	8.15	9.6	ug/L	138920	2	9.08	721994	50.0
Propanoic acid, p...	8.41	61.4	ug/L	886924	2	9.08	721994	50.0
Acetic acid, buty...	8.52	4.3	ug/L	62398	2	9.08	721994	50.0
Butanoic acid, 1-...	8.90	41.9	ug/L	605598	2	9.08	721994	50.0