LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061719\
Data File : VU032795.D
Acq On : 17 Jun 2019 20:07
Operator : JC/SP
Sample : K3324-10
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 26 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	23	28	34	rVB	8067	7511	0.55%	0.073%
2	1.395	88	95	108	rVB	96978	102285	7.53%	0.992%
3	1.675	174	182	198	rVB	84662	104210	7.67%	1.011%
4	2.267	356	366	377	rVB	167941	252036	18.55%	2.445%
5	2.620	466	476	479	rBV4	1793	2907	0.21%	0.028%
6	2.694	491	499	512	rVB3	5422	8937	0.66%	0.087%
7	2.817	534	537	539	rBV2	488	385	0.03%	0.004%
8	2.977	584	587	591	rBV3	427	379	0.03%	0.004%
9	3.302	685	688	692	rBV2	281	239	0.02%	0.002%
10	3.530	754	759	761	rVV2	400	345	0.03%	0.003%
11	3.579	771	774	780	rVB3	356	310	0.02%	0.003%
12	3.720	816	818	824	rBV3	266	261	0.02%	0.003%
13	3.797	838	842	847	rBV2	393	405	0.03%	0.004%
14	3.833	849	853	857	rVV4	312	291	0.02%	0.003%
15	3.878	862	867	869	rBV2	325	292	0.02%	0.003%
16	4.019	904	911	913	rBV3	425	421	0.03%	0.004%
17	4.167	945	957	998	rBV	85631	260156	19.15%	2.524%
18	4.640	1088	1104	1130	rBV	139596	329534	24.26%	3.197%
19	4.865	1167	1174	1176	rBV3	506	568	0.04%	0.006%
20	4.971	1201	1207	1209	rBV2	408	362	0.03%	0.004%
21	5.051	1229	1232	1236	rVB2	487	314	0.02%	0.003%
22	5.161	1262	1266	1271	rBV3	311	276	0.02%	0.003%
23	5.212	1280	1282	1287	rVB2	407	350	0.03%	0.003%
24	5.235	1287	1289	1293	rBV2	294	270	0.02%	0.003%
25	5.331	1293	1319	1342	rBV2	270829	803906	59.17%	7.799%
26	5.546	1376	1386	1402	rVB3	5515	12066	0.89%	0.117%
27	5.646	1413	1417	1421	rBV3	434	317	0.02%	0.003%
28	5.681	1425	1428	1430	rBV2	397	273	0.02%	0.003%
29	5.749	1443	1449	1453	rBV3	470	370	0.03%	0.004%
30	5.778	1453	1458	1462	rBV3	364	373	0.03%	0.004%
31	5.881	1475	1490	1507	rBV	278957	551044	40.56%	5.346%
32	6.180	1572	1583	1601	rVB2	38044	75016	5.52%	0.728%
33	6.325	1614	1628	1646	rBV	186769	371411	27.34%	3.603%
34	6.418	1650	1657	1674	rVB2	6412	12461	0.92%	0.121%

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ALS Vial : 26 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	6.524	1685	1690	1692	rBV4	2179	2031	0.15%	0.020%
36	6.575	1700	1706	1714	rBV	4454	7208	0.53%	0.070%
37	6.697	1731	1744	1774	rBV	772395	1358620	100.00%	13.180%
38	7.064	1855	1858	1861	rBV3	396	310	0.02%	0.003%
39	7.154	1882	1886	1888	rBV3	395	250	0.02%	0.002%
40	7.222	1895	1907	1926	rBV	107375	192853	14.19%	1.871%
41	7.334	1939	1942	1943	rBV2	326	234	0.02%	0.002%
42	7.415	1955	1967	1997	rVB	145100	249014	18.33%	2.416%
43	7.559	2000	2012	2028	rBV	368121	636475	46.85%	6.175%
44	7.701	2051	2056	2067	rVB7	2176	3314	0.24%	0.032%
45	7.842	2087	2100	2121	rBV2	89554	156736	11.54%	1.521%
46	7.980	2140	2143	2147	rVB4	587	391	0.03%	0.004%
47	8.067	2166	2170	2171	rBV	661	469	0.03%	0.005%
48	8.148	2184	2195	2210	rBV	81347	135695	9.99%	1.316%
49	8.225	2212	2219	2221	rVV	9016	10592	0.78%	0.103%
50	8.257	2223	2229	2234	rVV	29746	43706	3.22%	0.424%
51	8.305	2234	2244	2265	rVV	312848	533163	39.24%	5.172%
52	8.408	2266	2276	2300	rVV	551040	867102	63.82%	8.412%
53	8.521	2303	2311	2327	rVB2	33829	56550	4.16%	0.549%
54	8.845	2408	2412	2416	rBV3	585	556	0.04%	0.005%
55	8.897	2416	2428	2453	rBV	380370	597396	43.97%	5.795%
56	9.083	2472	2486	2511	rBV	424668	697702	51.35%	6.769%
57	9.353	2567	2570	2574	rBV3	378	253	0.02%	0.002%
58	9.492	2608	2613	2617	rVB4	514	540	0.04%	0.005%
59	9.517	2617	2621	2630	rVB4	784	985	0.07%	0.010%
60	9.556	2630	2633	2636	rBV	443	403	0.03%	0.004%
61	9.598	2638	2646	2658	rVB2	5524	9078	0.67%	0.088%
62	9.652	2660	2663	2668	rBV3	332	294	0.02%	0.003%
63	9.762	2687	2697	2714	rVB	18014	28887	2.13%	0.280%
64	9.826	2714	2717	2721	rVB3	410	320	0.02%	0.003%
65	9.848	2721	2724	2727	rBV4	570	376	0.03%	0.004%
66	9.877	2731	2733	2740	rBV3	362	407	0.03%	0.004%
67	9.913	2741	2744	2747	rVV2	336	239	0.02%	0.002%
68	9.935	2747	2751	2756	rVV4	314	272	0.02%	0.003%
69	10.012	2772	2775	2779	rBV3	390	323	0.02%	0.003%
70	10.051	2783	2787	2789	rBV3	449	419	0.03%	0.004%
71	10.135	2810	2813	2822	rVB2	484	648	0.05%	0.006%

LSC Area Percent Report

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Operator : JC/SP
Sample : K3324-10
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 26 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	10.186	2827	2829	2832	rVV3	429	242	0.02%	0.002%
73	10.205	2832	2835	2840	rVV4	352	287	0.02%	0.003%
74	10.424	2885	2903	2921	rBV	280217	457569	33.68%	4.439%
75	10.775	3009	3012	3015	rVB	529	314	0.02%	0.003%
76	10.890	3043	3048	3050	rBV2	401	358	0.03%	0.003%
77	10.913	3050	3055	3060	rVB4	517	768	0.06%	0.007%
78	11.003	3078	3083	3088	rBV3	344	422	0.03%	0.004%
79	11.074	3102	3105	3108	rBV2	364	335	0.02%	0.003%
80	11.151	3126	3129	3134	rVB5	768	690	0.05%	0.007%
81	11.186	3134	3140	3141	rBV3	451	390	0.03%	0.004%
82	11.276	3163	3168	3171	rVB2	444	401	0.03%	0.004%
83	11.479	3219	3231	3248	rBV	437386	700585	51.57%	6.796%
84	11.707	3299	3302	3303	rBV3	429	239	0.02%	0.002%
85	11.855	3334	3348	3371	rBV	390946	645289	47.50%	6.260%
86	12.083	3415	3419	3424	rBV4	771	647	0.05%	0.006%
87	12.202	3453	3456	3460	rVV2	525	369	0.03%	0.004%
88	12.247	3467	3470	3474	rVB2	620	448	0.03%	0.004%
89	12.469	3536	3539	3544	rBV3	783	580	0.04%	0.006%
90	12.729	3617	3620	3622	rBV3	326	264	0.02%	0.003%
91	12.803	3640	3643	3645	rVB3	433	240	0.02%	0.002%
92	12.842	3651	3655	3659	rBV3	400	354	0.03%	0.003%
93	12.897	3668	3672	3674	rBV	337	255	0.02%	0.002%
94	12.977	3693	3697	3700	rBV2	364	306	0.02%	0.003%
95	13.115	3738	3740	3743	rBV2	454	332	0.02%	0.003%
96	13.662	3907	3910	3914	rVB2	468	310	0.02%	0.003%
97	13.990	4010	4012	4015	rBV2	427	235	0.02%	0.002%
98	14.028	4021	4024	4030	rBV3	636	556	0.04%	0.005%
99	14.466	4158	4160	4166	rBV4	653	666	0.05%	0.006%
100	14.839	4273	4276	4279	rBV3	716	520	0.04%	0.005%

Sum of corrected areas: 10308063

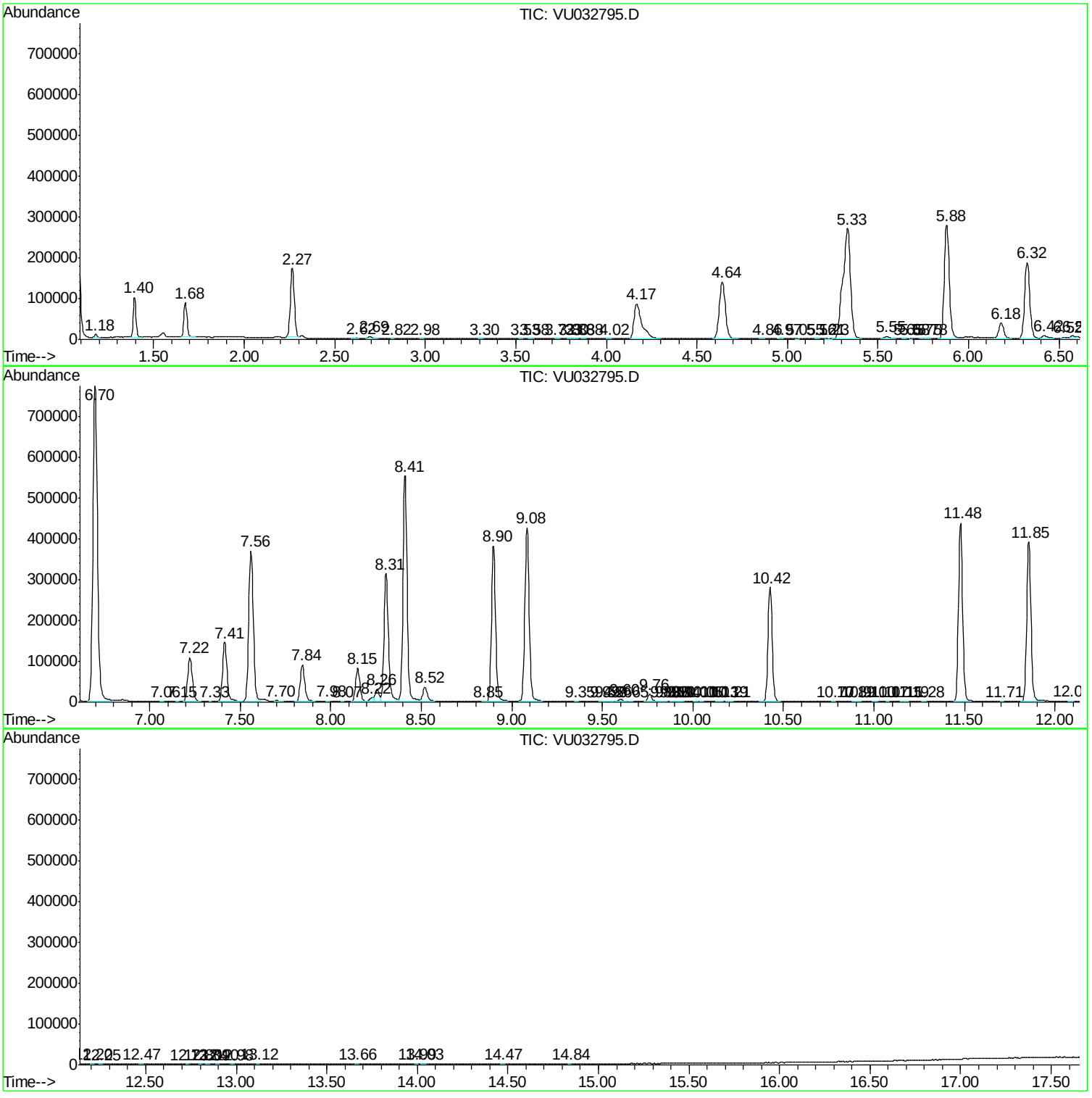
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061719\
Data File : VU032795.D
Acq On : 17 Jun 2019 20:07
Operator : JC/SP
Sample : K3324-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 26 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\VU061719\
Data File : VU032795.D
Acq On : 17 Jun 2019 20:07
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Instrument : MSVOA_U
ClientSampleId : C0JR6

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

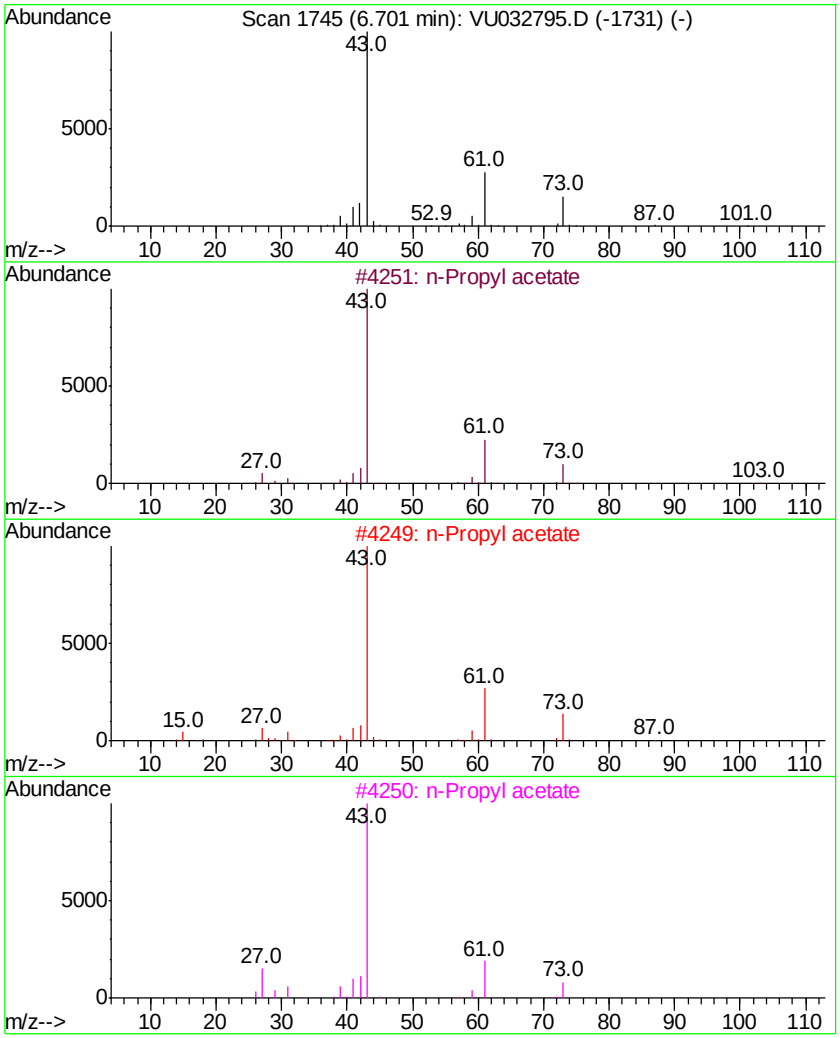
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

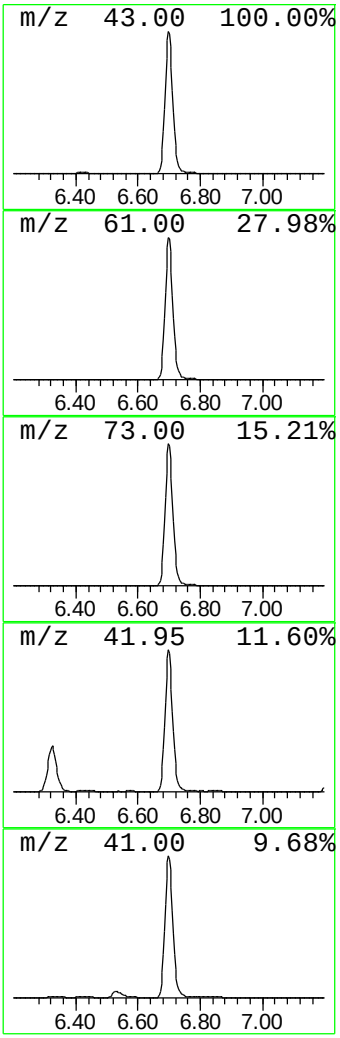
****

Peak Number 1 n-Propyl acetate Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.70	123.28 ug/L	1358620	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	64
4	Isopropyl acetate	102	C5H10O2	000108-21-4	36
5	Isobutyl acetate	116	C6H12O2	000110-19-0	9





Library Search Compound Report

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Data File : VU032795.D
Acq On : 17 Jun 2019 20:07
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Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0JR6

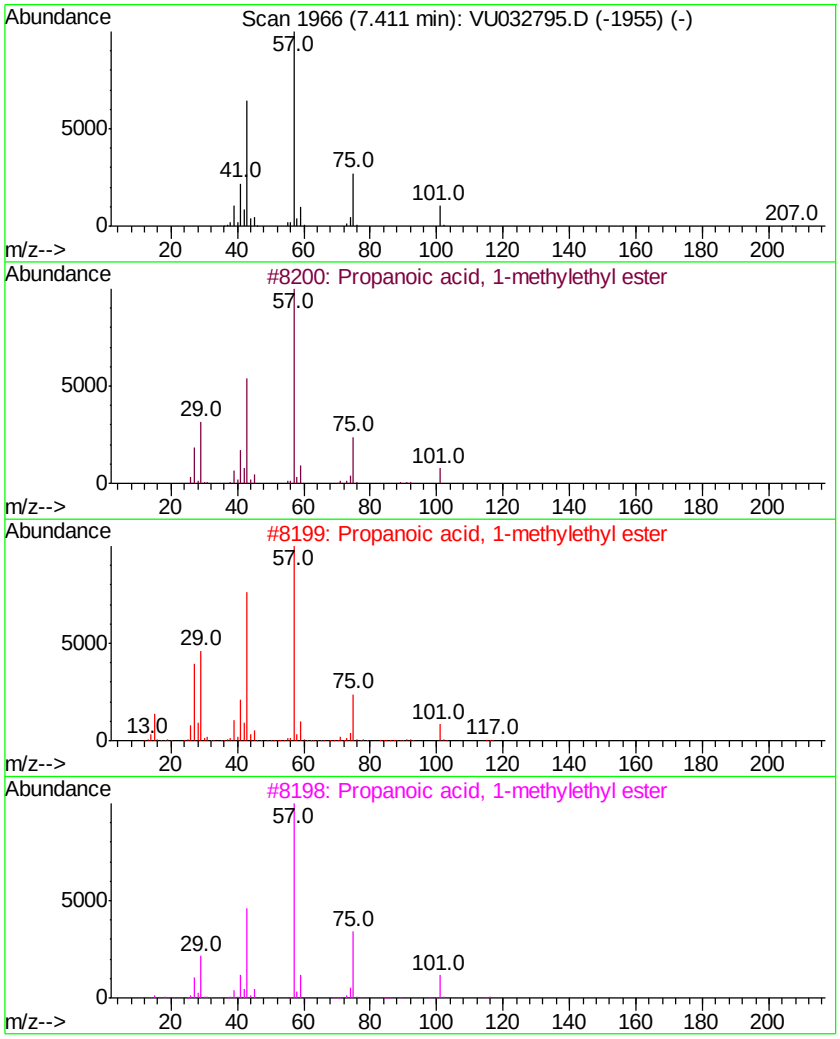
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis

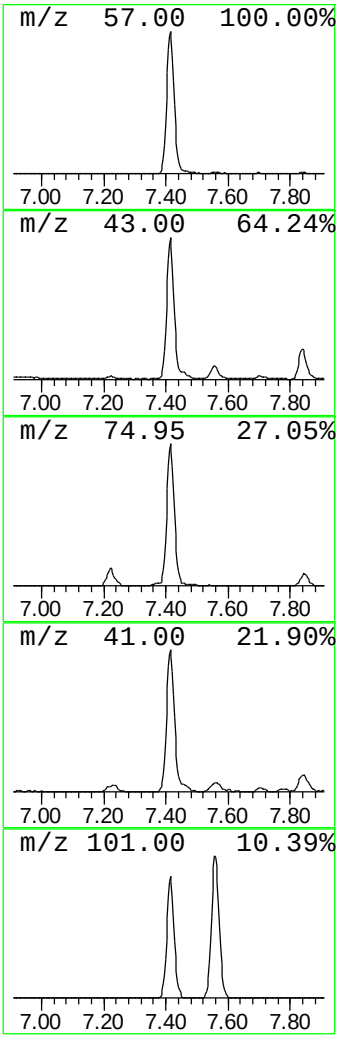
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.41	22.59 ug/L	249014	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	64
4	Propanoic acid, 1-methylethyl ester	116	C6H12O2	000637-78-5	59
5	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	45





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Instrument : MSVOA_U
ClientSampleId : C0JR6

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

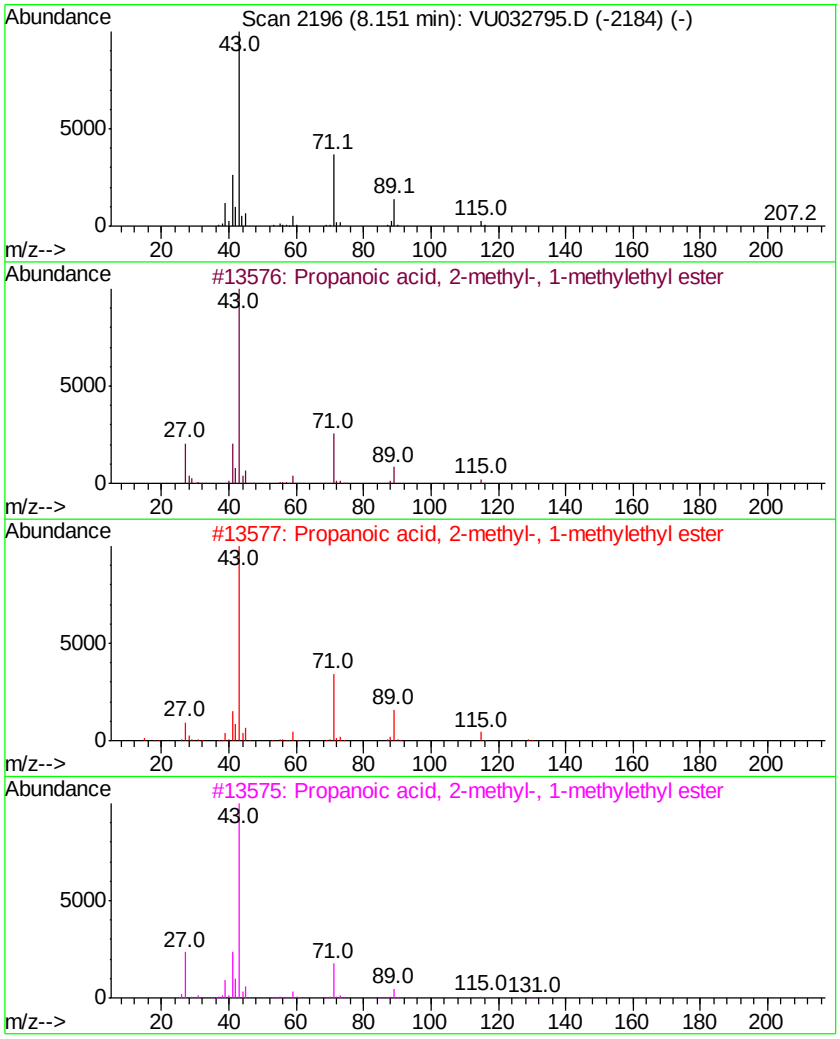
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

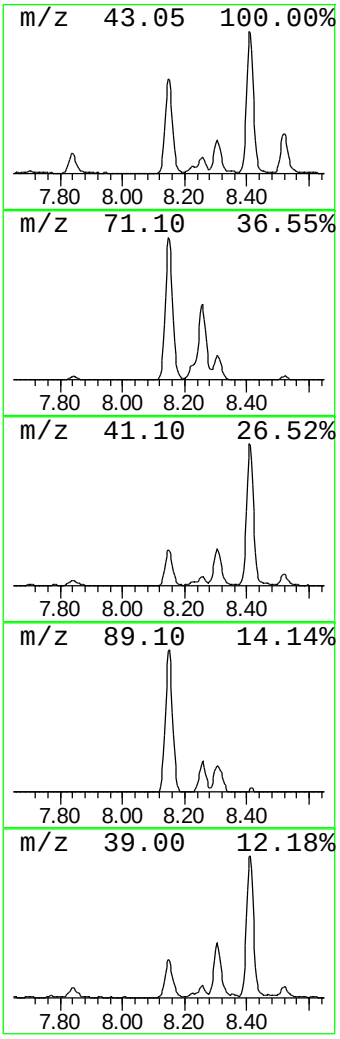
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.15	9.72 ug/L	135695	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	78
4	Propanoic acid, 2-methyl-, propy...	130	C7H14O2	000644-49-5	72
5	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	72





Library Search Compound Report

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ClientSampleId : C0JR6

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

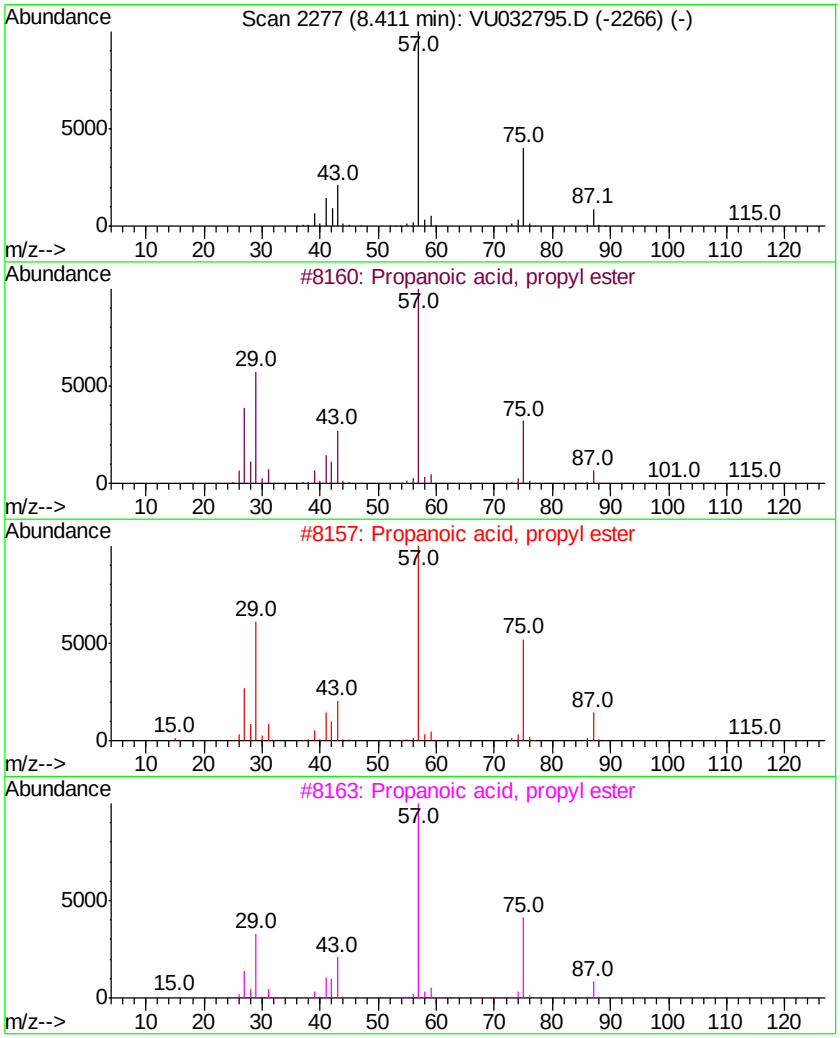
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

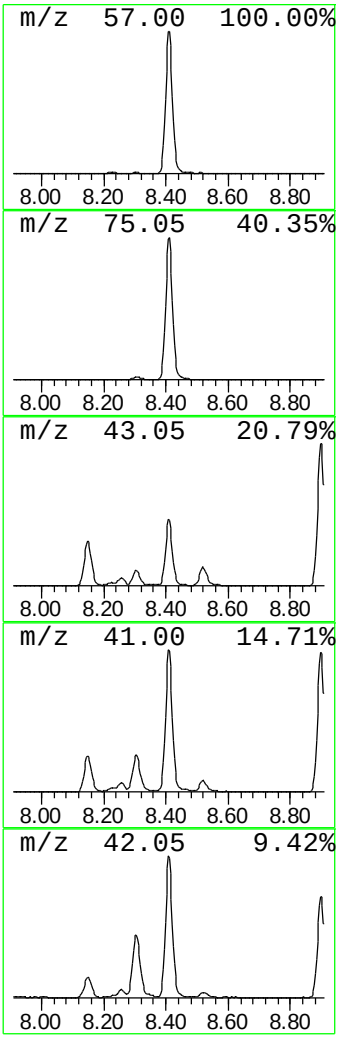
****

Peak Number 5 Propanoic acid, propyl ester Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.41	62.14 ug/L	867102	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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061719\
Data File : VU032795.D
Acq On : 17 Jun 2019 20:07
Operator : JC/SP
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Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0JR6

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

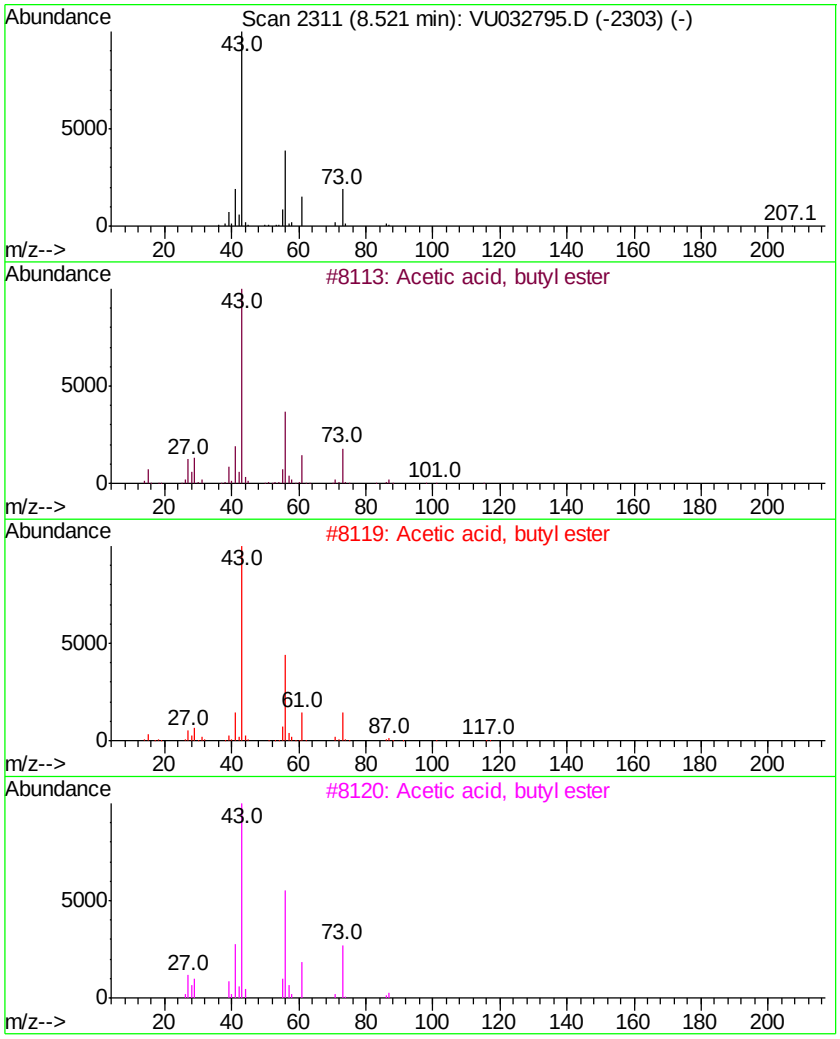
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

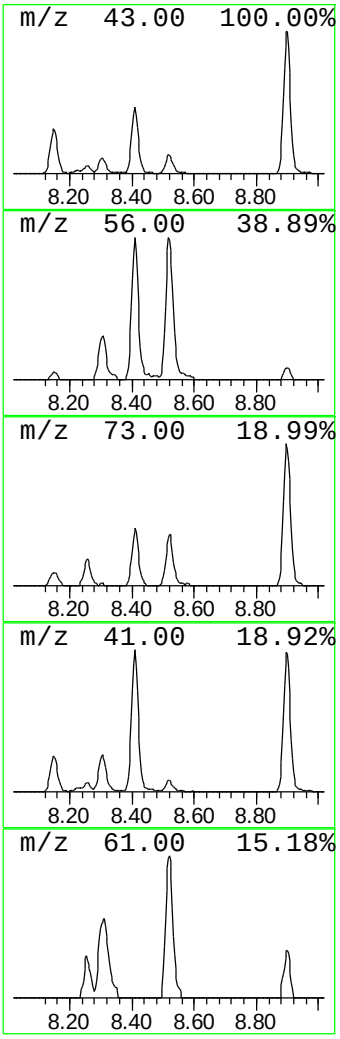
****

Peak Number 6 Acetic acid, butyl ester Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.52	4.05 ug/L	56550	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	83
4	Acetic acid, butyl ester	116	C6H12O2	000123-86-4	56
5	Isobutylamine	73	C4H11N	000078-81-9	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061719\
Data File : VU032795.D
Acq On : 17 Jun 2019 20:07
Operator : JC/SP
Sample : K3324-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 26 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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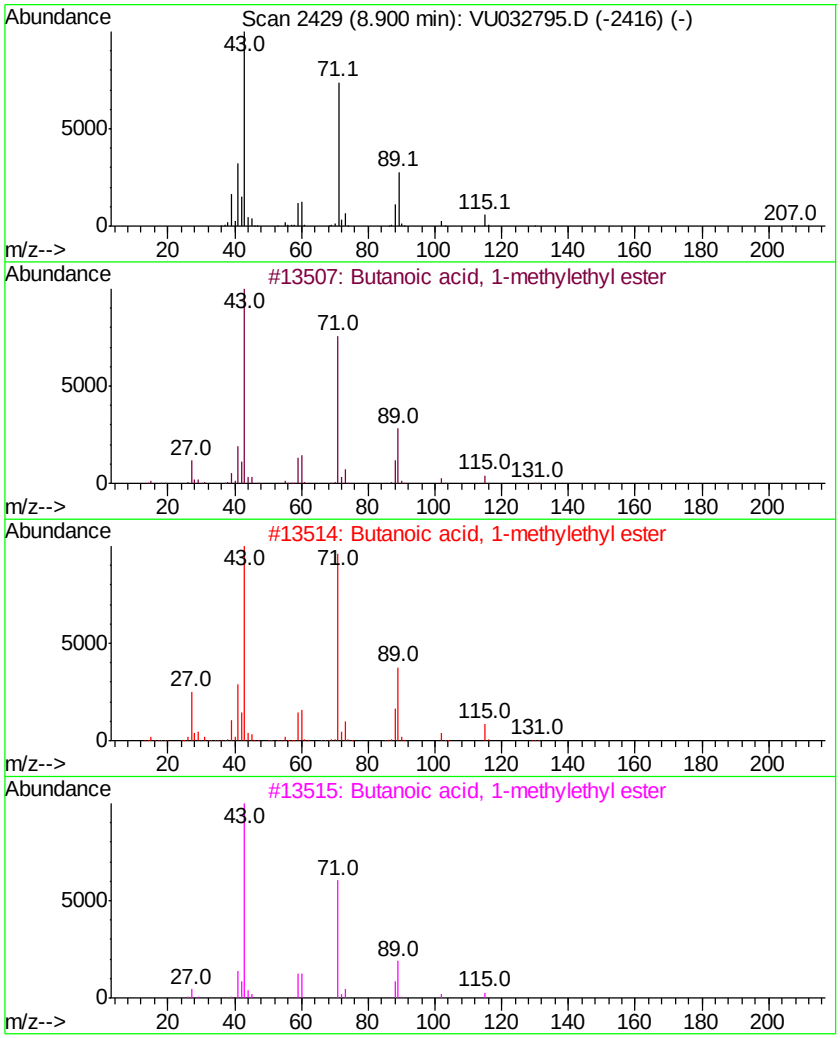
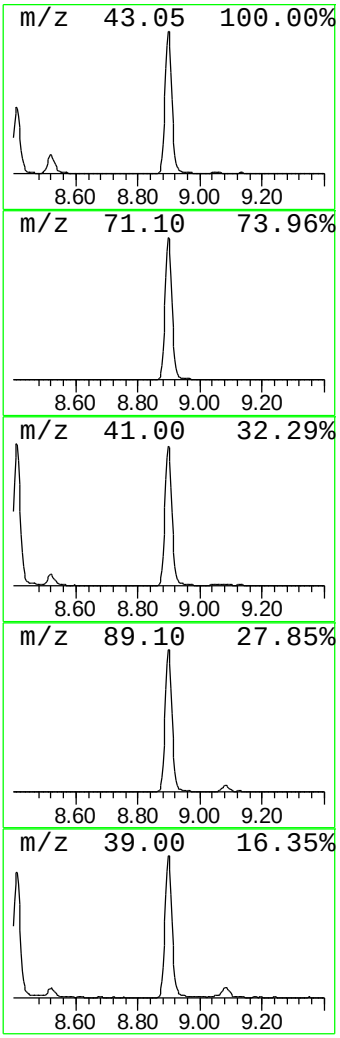
Peak Number 7 Butanoic acid, 1-methylethy... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.90	42.81 ug/L	597396	Chlorobenzene-d5	9.08

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	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	78
5	Propanoic acid, 2-methyl-, propy...	130	C7H14O2	000644-49-5	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	123.3	ug/L	1358620	1	5.88	551044	50.0
Propanoic acid, 1...	7.41	22.6	ug/L	249014	1	5.88	551044	50.0
Propanoic acid, 2...	8.15	9.7	ug/L	135695	2	9.08	697702	50.0
Propanoic acid, p...	8.41	62.1	ug/L	867102	2	9.08	697702	50.0
Acetic acid, buty...	8.52	4.0	ug/L	56550	2	9.08	697702	50.0
Butanoic acid, 1-...	8.90	42.8	ug/L	597396	2	9.08	697702	50.0