LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU061719\
Data File : VU032800.D
Acq On : 17 Jun 2019 22:01
Operator : JC/SP
Sample : K3324-15
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0JS1

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	36	rBV2	8347	8246	0.68%	0.086%
2	1.395	88	95	107	rBV	97856	99556	8.21%	1.042%
3	1.469	113	118	126	rVB	10180	10849	0.90%	0.114%
4	1.675	175	182	194	rVB	80305	96979	8.00%	1.016%
5	2.267	356	366	375	rBV	158122	240902	19.87%	2.523%
6	2.318	376	382	401	rVB	21738	34914	2.88%	0.366%
7	2.534	443	449	451	rBV3	414	391	0.03%	0.004%
8	2.614	470	474	481	rBV	1112	1420	0.12%	0.015%
9	2.694	491	499	510	rVB2	5087	7961	0.66%	0.083%
10	2.839	541	544	546	rBV2	426	305	0.03%	0.003%
11	2.887	556	559	564	rVB3	306	299	0.02%	0.003%
12	3.180	638	650	669	rBV3	3029	7595	0.63%	0.080%
13	3.299	685	687	694	rVB3	272	247	0.02%	0.003%
14	3.341	694	700	705	rVB3	426	595	0.05%	0.006%
15	3.370	705	709	714	rBV3	470	449	0.04%	0.005%
16	3.399	714	718	719	rBV2	523	343	0.03%	0.004%
17	3.415	719	723	726	rVB4	547	493	0.04%	0.005%
18	3.579	769	774	779	rVB3	492	499	0.04%	0.005%
19	3.723	816	819	824	rVB	461	278	0.02%	0.003%
20	3.887	868	870	876	rVB4	503	338	0.03%	0.004%
21	3.919	876	880	884	rBV3	298	301	0.02%	0.003%
22	3.971	892	896	902	rBV2	321	423	0.03%	0.004%
23	4.167	944	957	984	rBV	80383	222065	18.32%	2.325%
24	4.382	1022	1024	1032	rVB5	689	658	0.05%	0.007%
25	4.418	1032	1035	1038	rVB3	319	217	0.02%	0.002%
26	4.572	1080	1083	1086	rBV2	342	298	0.02%	0.003%
27	4.640	1086	1104	1125	rVV	135429	316179	26.08%	3.311%
28	4.862	1170	1173	1174	rBV2	441	211	0.02%	0.002%
29	5.132	1255	1257	1261	rVB2	327	215	0.02%	0.002%
30	5.167	1264	1268	1270	rBV2	412	335	0.03%	0.004%
31	5.244	1290	1292	1295	rVB2	355	236	0.02%	0.002%
32	5.331	1295	1319	1342	rBV2	259732	773236	63.79%	8.097%
33	5.427	1347	1349	1357	rVB3	966	797	0.07%	0.008%
34	5.553	1375	1388	1400	rBV4	5354	12041	0.99%	0.126%

LSC Area Percent Report

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Acq On : 17 Jun 2019 22:01
Operator : JC/SP
Sample : K3324-15
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0JS1

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	5.749	1445	1449	1452	rBV3	328	285	0.02%	0.003%
36	5.768	1452	1455	1459	rBV3	326	303	0.02%	0.003%
37	5.794	1459	1463	1465	rBV2	292	219	0.02%	0.002%
38	5.881	1476	1490	1510	rBV	274728	536913	44.30%	5.622%
39	6.177	1575	1582	1592	rVB	2271	4278	0.35%	0.045%
40	6.324	1613	1628	1648	rBV	179200	355156	29.30%	3.719%
41	6.418	1652	1657	1674	rVB2	5341	10905	0.90%	0.114%
42	6.530	1687	1692	1696	rBV3	2600	3065	0.25%	0.032%
43	6.575	1700	1706	1714	rVV2	3727	6576	0.54%	0.069%
44	6.697	1729	1744	1772	rBV	681845	1212114	100.00%	12.693%
45	7.038	1848	1850	1856	rVB2	501	450	0.04%	0.005%
46	7.096	1865	1868	1873	rVB3	460	405	0.03%	0.004%
47	7.222	1895	1907	1924	rBV	102904	182711	15.07%	1.913%
48	7.299	1930	1931	1935	rVB2	440	217	0.02%	0.002%
49	7.414	1947	1967	1990	rBV	136288	235806	19.45%	2.469%
50	7.559	1999	2012	2030	rBV	355467	619682	51.12%	6.489%
51	7.842	2087	2100	2120	rBV2	85104	149535	12.34%	1.566%
52	8.009	2149	2152	2158	rVB4	578	502	0.04%	0.005%
53	8.045	2158	2163	2165	rVB3	425	393	0.03%	0.004%
54	8.064	2165	2169	2172	rBV3	329	285	0.02%	0.003%
55	8.080	2172	2174	2178	rVB2	498	281	0.02%	0.003%
56	8.148	2182	2195	2211	rBV	76680	128728	10.62%	1.348%
57	8.228	2211	2220	2221	rVV3	6341	7961	0.66%	0.083%
58	8.257	2223	2229	2235	rVV2	25544	39266	3.24%	0.411%
59	8.305	2235	2244	2265	rVV	296134	507854	41.90%	5.318%
60	8.408	2266	2276	2300	rVV	426075	676129	55.78%	7.080%
61	8.521	2303	2311	2326	rVB	26389	44306	3.66%	0.464%
62	8.668	2355	2357	2363	rVB4	555	260	0.02%	0.003%
63	8.778	2388	2391	2394	rVV2	300	240	0.02%	0.003%
64	8.897	2417	2428	2459	rBV	328902	524837	43.30%	5.496%
65	9.083	2469	2486	2507	rBV	415552	687043	56.68%	7.194%
66	9.286	2547	2549	2552	rBV3	470	355	0.03%	0.004%
67	9.353	2566	2570	2572	rBV3	401	315	0.03%	0.003%
68	9.421	2588	2591	2592	rBV2	360	233	0.02%	0.002%
69	9.520	2618	2622	2624	rBV2	466	299	0.02%	0.003%
70	9.601	2638	2647	2656	rBV3	3909	6728	0.56%	0.070%
71	9.762	2687	2697	2712	rBV	11818	18834	1.55%	0.197%

LSC Area Percent Report

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Operator : JC/SP
Sample : K3324-15
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0JS1

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	9.871	2727	2731	2733	rBV2	309	230	0.02%	0.002%
73	9.955	2752	2757	2761	rBV3	435	451	0.04%	0.005%
74	10.064	2789	2791	2796	rVB3	353	257	0.02%	0.003%
75	10.096	2796	2801	2803	rBV2	322	317	0.03%	0.003%
76	10.115	2803	2807	2808	rBV2	364	224	0.02%	0.002%
77	10.170	2822	2824	2833	rVB2	420	493	0.04%	0.005%
78	10.250	2846	2849	2855	rBV2	409	427	0.04%	0.004%
79	10.424	2892	2903	2921	rBV	275903	440046	36.30%	4.608%
80	10.582	2948	2952	2954	rBV3	363	296	0.02%	0.003%
81	10.704	2987	2990	2992	rBV2	316	232	0.02%	0.002%
82	10.720	2992	2995	2998	rVV3	372	314	0.03%	0.003%
83	10.768	3005	3010	3011	rBV2	635	462	0.04%	0.005%
84	10.951	3061	3067	3070	rBV3	380	430	0.04%	0.005%
85	11.016	3085	3087	3092	rBV3	277	246	0.02%	0.003%
86	11.093	3105	3111	3117	rVB2	555	572	0.05%	0.006%
87	11.164	3130	3133	3136	rBV4	362	258	0.02%	0.003%
88	11.331	3182	3185	3189	rBV2	343	290	0.02%	0.003%
89	11.479	3219	3231	3255	rBV	427134	682514	56.31%	7.147%
90	11.633	3277	3279	3284	rVB3	460	242	0.02%	0.003%
91	11.662	3284	3288	3291	rBV4	400	283	0.02%	0.003%
92	11.700	3297	3300	3304	rVB4	468	408	0.03%	0.004%
93	11.855	3335	3348	3372	rBV	373572	614757	50.72%	6.437%
94	12.308	3485	3489	3494	rBV4	384	407	0.03%	0.004%
95	12.392	3513	3515	3519	rVB2	611	364	0.03%	0.004%
96	12.553	3562	3565	3567	rBV2	290	222	0.02%	0.002%
97	12.630	3586	3589	3594	rBV3	344	319	0.03%	0.003%
98	13.253	3780	3783	3787	rVB3	438	385	0.03%	0.004%
99	13.919	3986	3990	3994	rBV2	412	494	0.04%	0.005%
100	14.642	4213	4215	4221	rBV3	477	522	0.04%	0.005%

Sum of corrected areas: 9549802

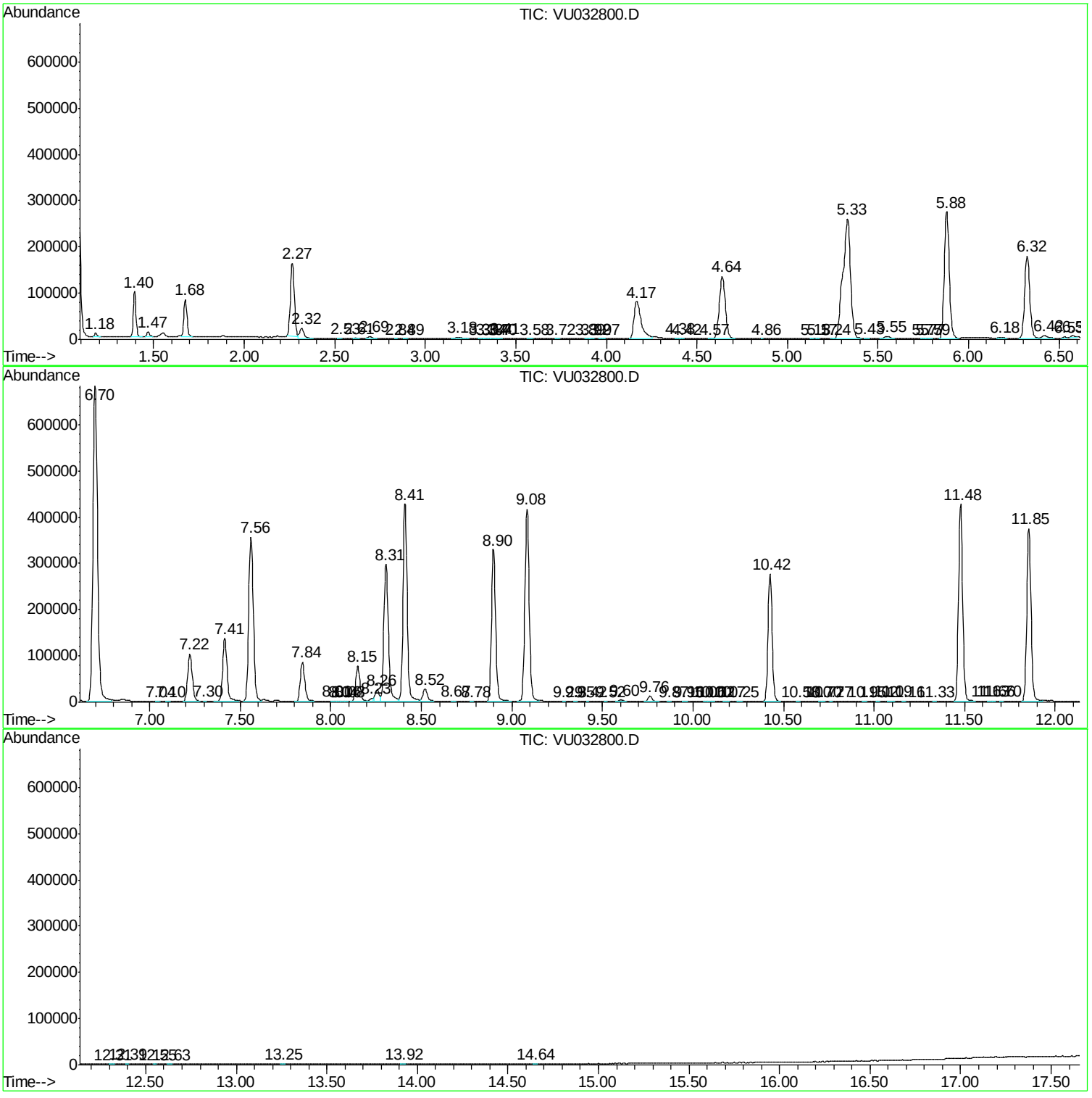
LSC Report - Integrated Chromatogram

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU061719\
Data File : VU032800.D
Acq On : 17 Jun 2019 22:01
Operator : JC/SP
Sample : K3324-15
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0JS1

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 : VU032800.D
Acq On : 17 Jun 2019 22:01
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ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0JS1

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

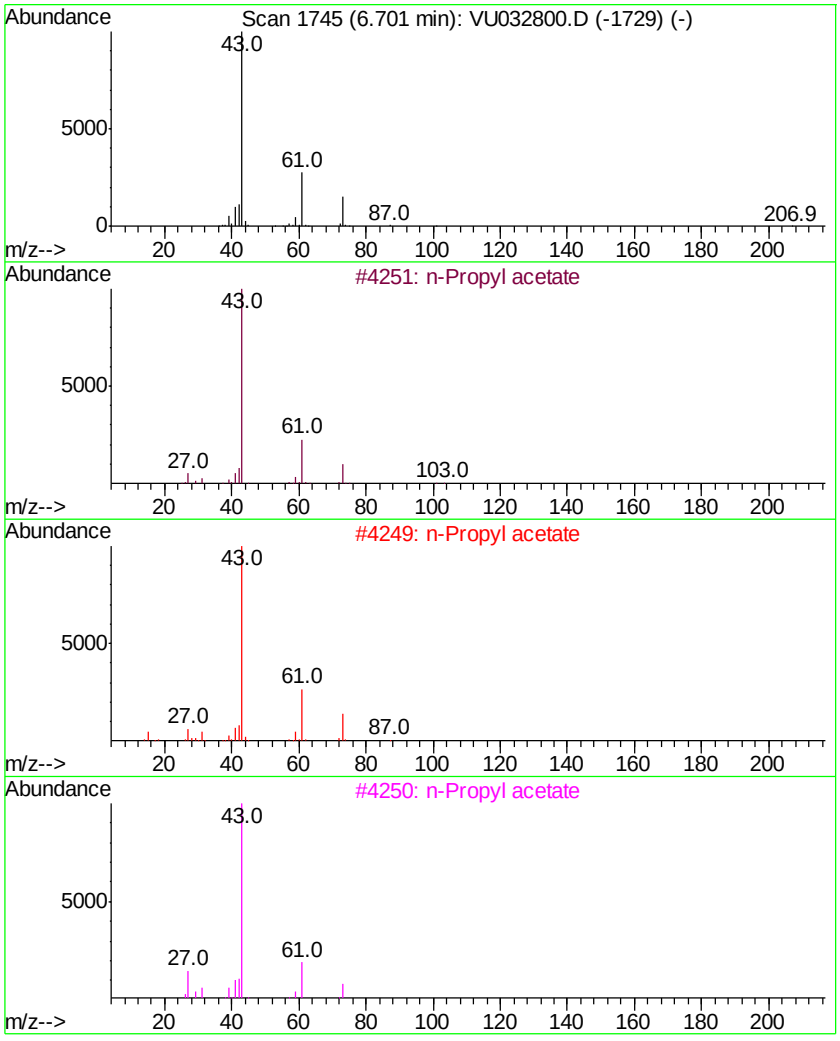
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

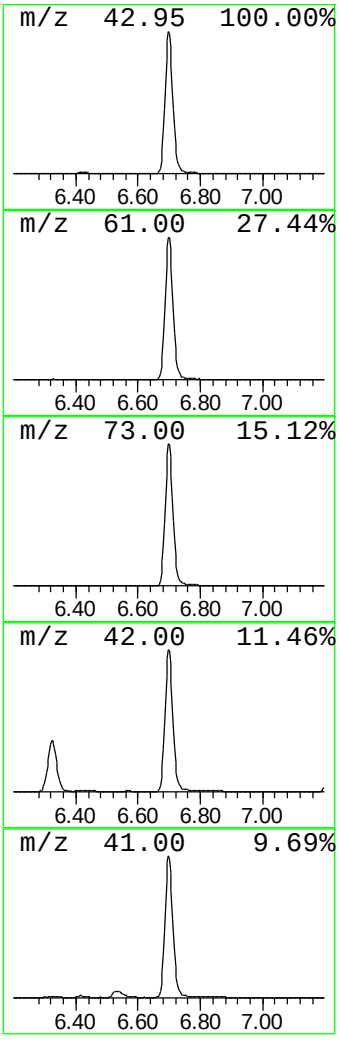
****

Peak Number 1 n-Propyl acetate Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.70	112.88 ug/L	1212110	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	59
4	Isopropyl acetate	102	C5H10O2	000108-21-4	36
5	Isopropyl acetate	102	C5H10O2	000108-21-4	9





Library Search Compound Report

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Data File : VU032800.D
Acq On : 17 Jun 2019 22:01
Operator : JC/SP
Sample : K3324-15
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0JS1

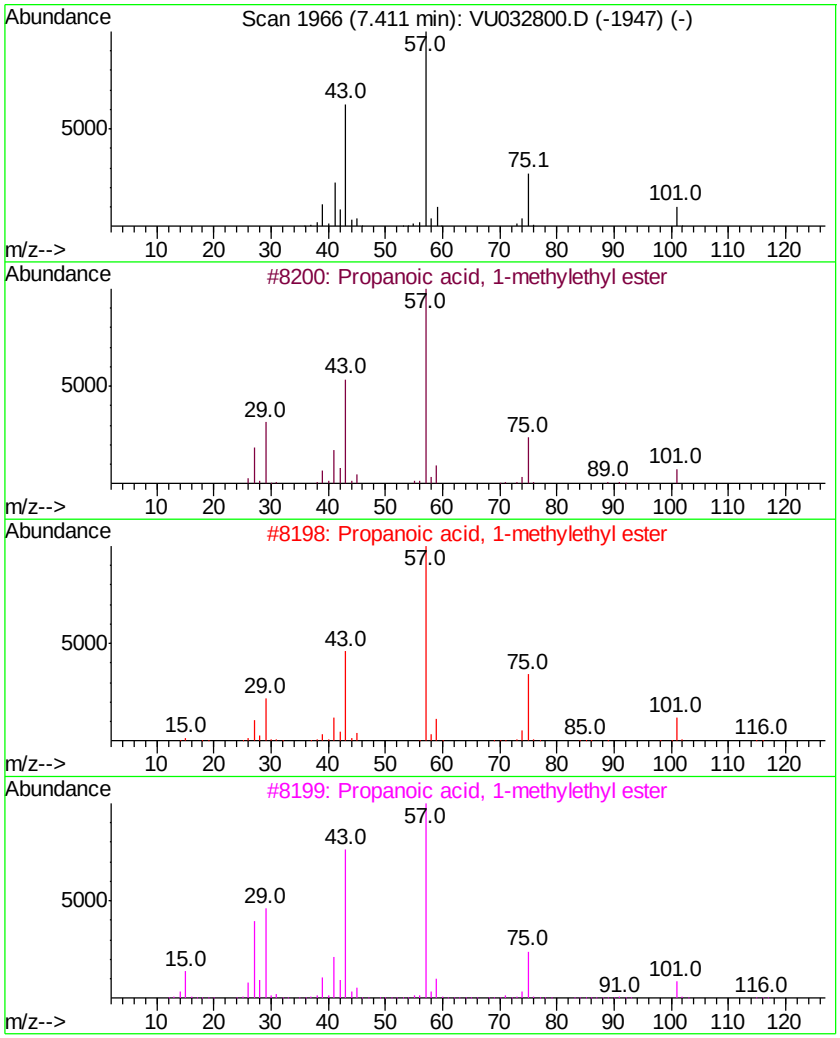
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis

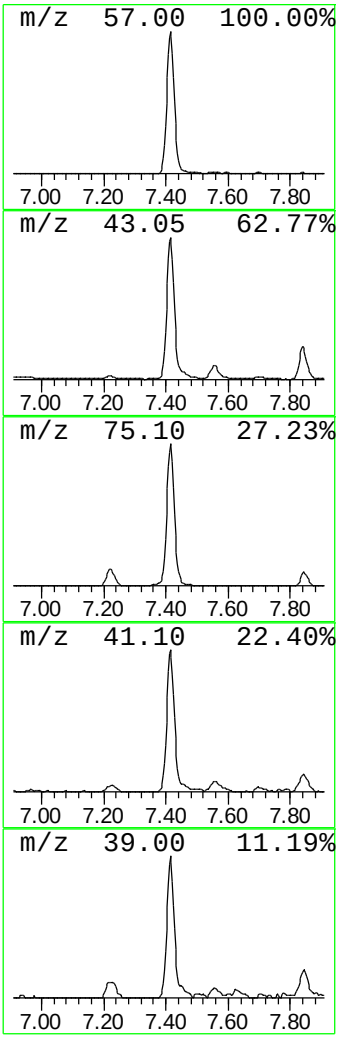
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.41	21.96 ug/L	235806	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	78
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	45





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Instrument : MSVOA_U
ClientSampleId : C0JS1

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

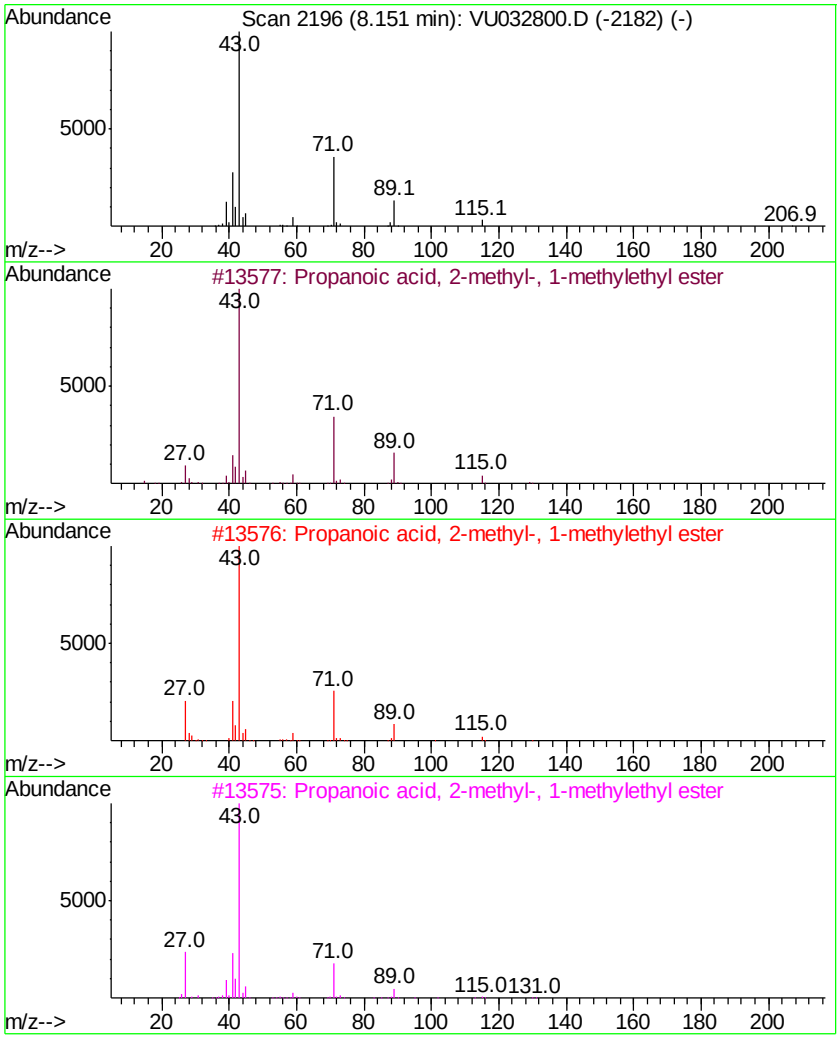
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

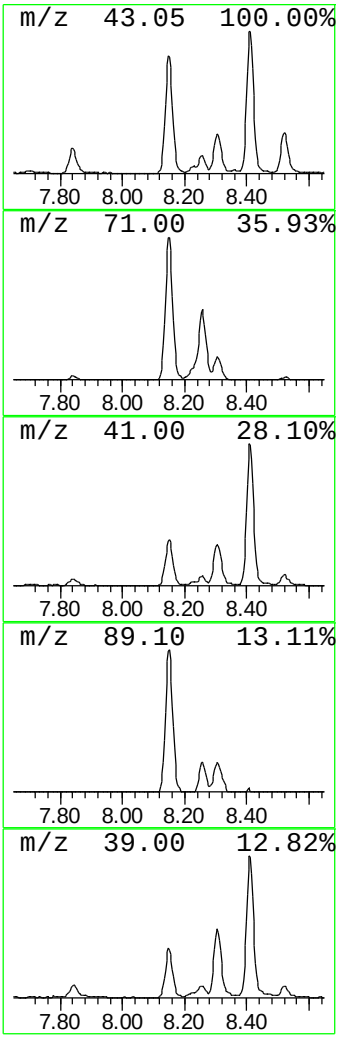
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.15	9.37 ug/L	128728	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	78
3	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	72
4	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	72
5	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	72





Library Search Compound Report

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Data File : VU032800.D
Acq On : 17 Jun 2019 22:01
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ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0JS1

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

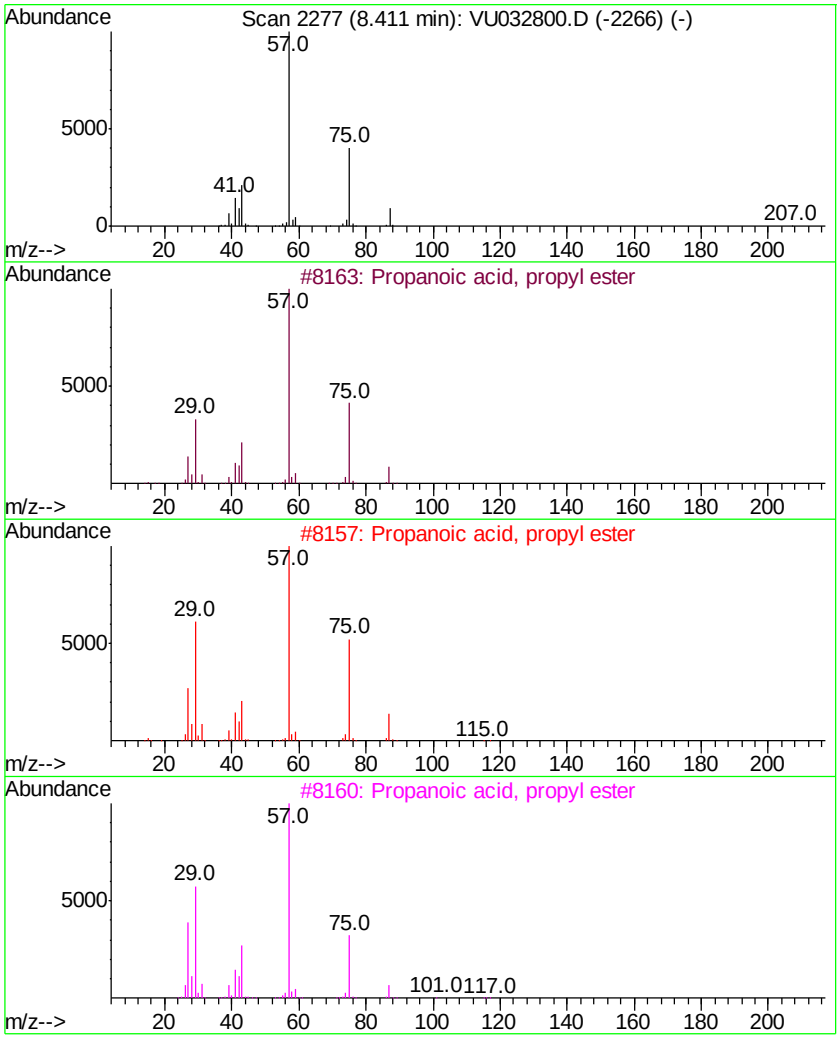
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

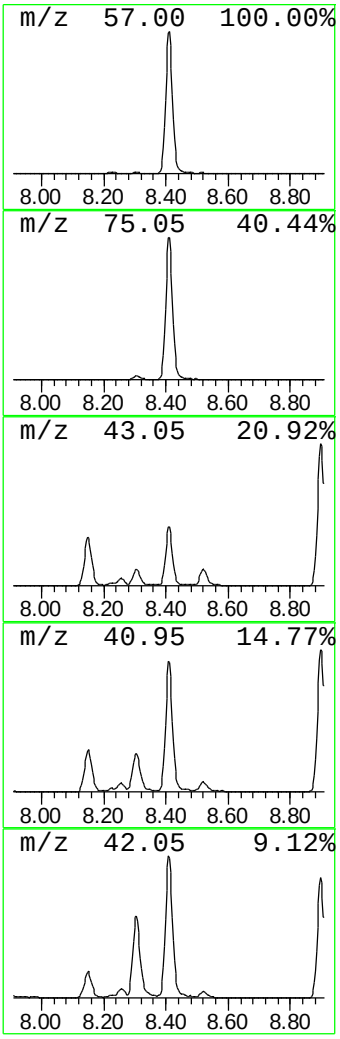
****

Peak Number 5 Propanoic acid, propyl ester Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.41	49.21 ug/L	676129	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 : VU032800.D
Acq On : 17 Jun 2019 22:01
Operator : JC/SP
Sample : K3324-15
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0JS1

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

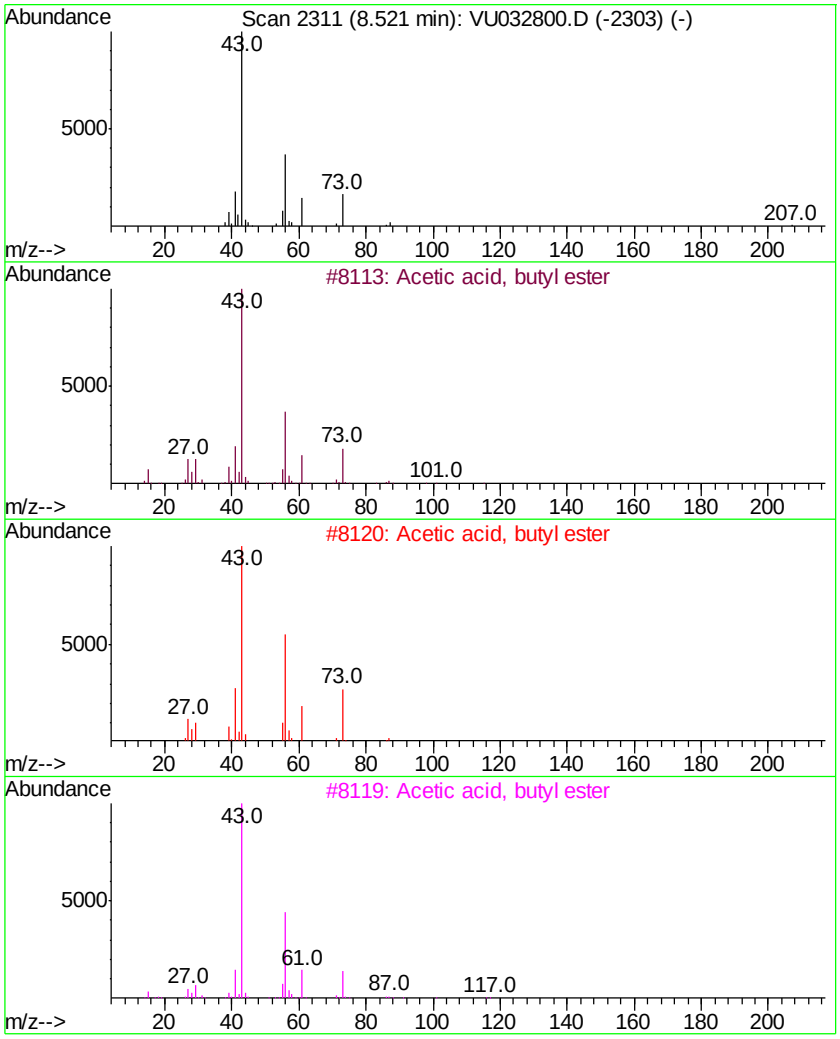
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

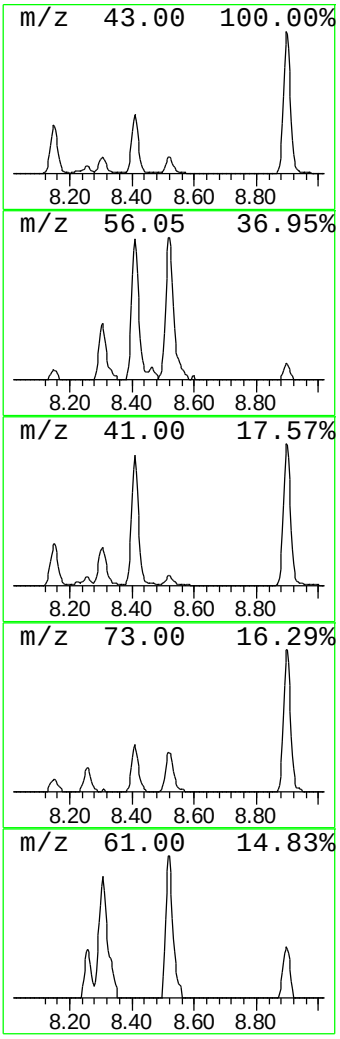
****

Peak Number 6 Acetic acid, butyl ester Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.52	3.22 ug/L	44306	Chlorobenzene-d5	9.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, butyl ester	116	C6H12O2	000123-86-4	78
2	Acetic acid, butyl ester	116	C6H12O2	000123-86-4	72
3	Acetic acid, butyl ester	116	C6H12O2	000123-86-4	59
4	Acetic acid, butyl ester	116	C6H12O2	000123-86-4	50
5	Acetic acid, hexyl ester	144	C8H16O2	000142-92-7	33





Library Search Compound Report

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Data File : VU032800.D
Acq On : 17 Jun 2019 22:01
Operator : JC/SP
Sample : K3324-15
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0JS1

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

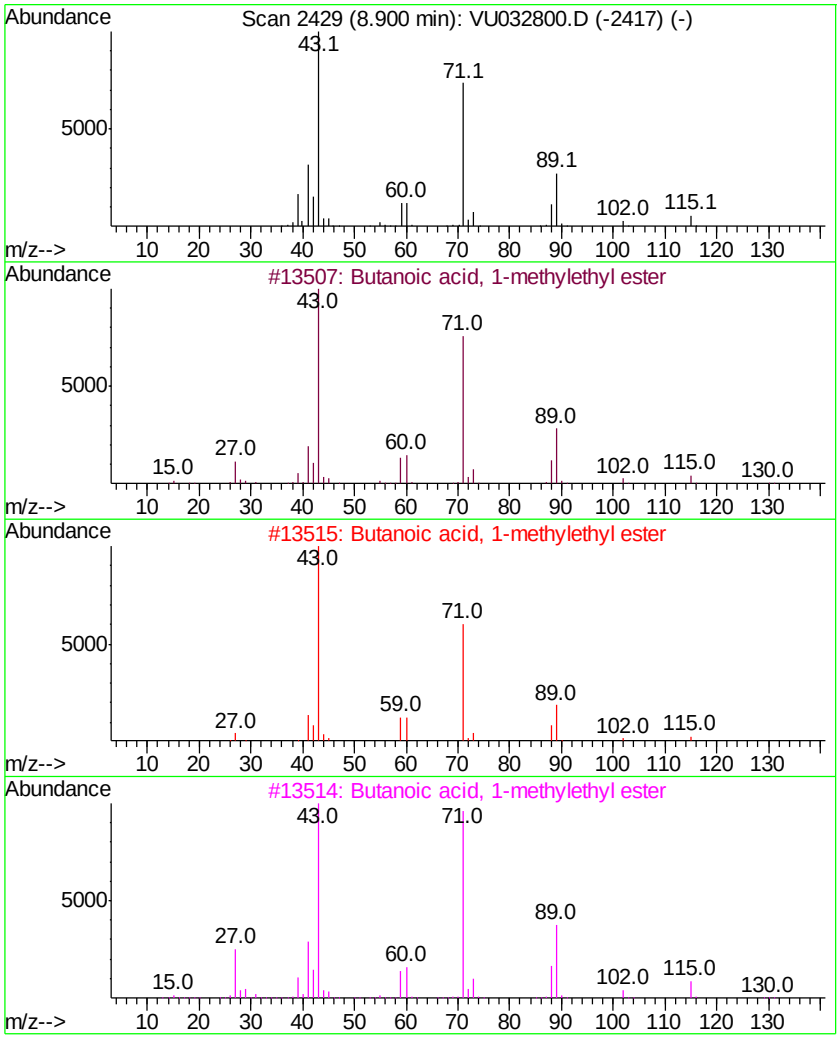
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

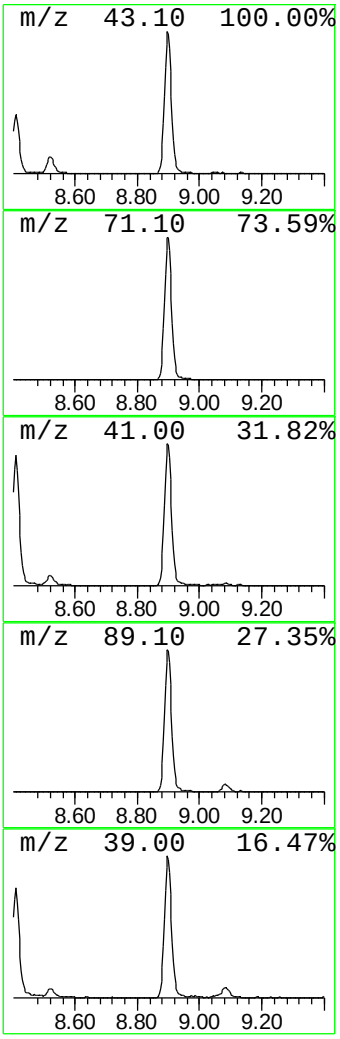
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.90	38.20 ug/L	524837	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	86
3	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	86
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





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061719\
Data File : VU032800.D
Acq On : 17 Jun 2019 22:01
Operator : JC/SP
Sample : K3324-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0JS1

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
n-Propyl acetate	6.70	112.9	ug/L	1212110	1	5.88	536913	50.0
Propanoic acid, 1...	7.41	22.0	ug/L	235806	1	5.88	536913	50.0
Propanoic acid, 2...	8.15	9.4	ug/L	128728	2	9.08	687043	50.0
Propanoic acid, p...	8.41	49.2	ug/L	676129	2	9.08	687043	50.0
Acetic acid, buty...	8.52	3.2	ug/L	44306	2	9.08	687043	50.0
Butanoic acid, 1-...	8.90	38.2	ug/L	524837	2	9.08	687043	50.0