LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061719\
Data File : VU032801.D
Acq On : 17 Jun 2019 22:24
Operator : JC/SP
Sample : K3324-16
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0JS2

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	35	rBV2	8218	7852	0.54%	0.076%
2	1.396	88	95	104	rBV	98751	98858	6.86%	0.955%
3	1.470	113	118	125	rVB	10175	10626	0.74%	0.103%
4	1.675	175	182	196	rVB	81307	100284	6.96%	0.968%
5	2.267	356	366	376	rBV	164290	246818	17.12%	2.384%
6	2.318	376	382	395	rVB2	13611	22230	1.54%	0.215%
7	2.527	444	447	451	rVB3	476	328	0.02%	0.003%
8	2.550	451	454	456	rBV	557	329	0.02%	0.003%
9	2.579	460	463	466	rBV3	350	269	0.02%	0.003%
10	2.614	468	474	475	rBV3	1112	973	0.07%	0.009%
11	2.698	491	500	508	rVB2	5424	8034	0.56%	0.078%
12	2.797	529	531	534	rVB	589	292	0.02%	0.003%
13	2.833	538	542	543	rBV2	331	253	0.02%	0.002%
14	3.302	685	688	691	rBV3	316	298	0.02%	0.003%
15	3.357	702	705	711	rVB2	517	463	0.03%	0.004%
16	3.392	711	716	718	rBV3	417	390	0.03%	0.004%
17	3.408	718	721	727	rVV4	587	665	0.05%	0.006%
18	3.447	730	733	736	rVV	721	494	0.03%	0.005%
19	3.466	736	739	745	rVB3	416	379	0.03%	0.004%
20	3.498	745	749	752	rBV3	590	442	0.03%	0.004%
21	3.672	795	803	805	rBV4	441	561	0.04%	0.005%
22	3.807	841	845	846	rBV2	395	265	0.02%	0.003%
23	3.823	846	850	852	rVV2	348	263	0.02%	0.003%
24	3.929	879	883	886	rBV2	375	266	0.02%	0.003%
25	4.167	945	957	1000	rBV	88768	238714	16.56%	2.305%
26	4.556	1075	1078	1080	rBV2	401	263	0.02%	0.003%
27	4.640	1086	1104	1125	rBV	136967	322388	22.37%	3.113%
28	4.871	1171	1176	1177	rVV2	307	293	0.02%	0.003%
29	4.977	1203	1209	1210	rBV3	479	391	0.03%	0.004%
30	5.042	1223	1229	1232	rBV3	351	416	0.03%	0.004%
31	5.180	1265	1272	1274	rBV3	279	316	0.02%	0.003%
32	5.331	1296	1319	1340	rBV2	264569	787770	54.66%	7.608%
33	5.543	1375	1385	1399	rBV	6041	13097	0.91%	0.126%
34	5.878	1476	1489	1509	rBV	261616	518202	35.95%	5.004%

LSC Area Percent Report

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Operator : JC/SP
Sample : K3324-16
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0JS2

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	6.325	1613	1628	1648	rBV	183215	367351	25.49%	3.548%
36	6.418	1650	1657	1668	rVV	5874	10879	0.75%	0.105%
37	6.527	1685	1691	1698	rBV3	3053	4956	0.34%	0.048%
38	6.572	1699	1705	1712	rVV2	4861	7668	0.53%	0.074%
39	6.698	1731	1744	1773	rBV	821204	1441301	100.00%	13.919%
40	7.058	1854	1856	1861	rBV3	389	280	0.02%	0.003%
41	7.083	1861	1864	1866	rBV3	440	253	0.02%	0.002%
42	7.222	1895	1907	1924	rBV	103889	185721	12.89%	1.794%
43	7.344	1942	1945	1947	rVB3	537	296	0.02%	0.003%
44	7.415	1947	1967	1991	rBV	147032	257346	17.86%	2.485%
45	7.501	1992	1994	1998	rVB4	555	369	0.03%	0.004%
46	7.559	1998	2012	2030	rBV	367298	633056	43.92%	6.114%
47	7.675	2045	2048	2049	rBV2	472	269	0.02%	0.003%
48	7.772	2073	2078	2085	rBV5	1148	1530	0.11%	0.015%
49	7.842	2088	2100	2118	rBV2	88584	154162	10.70%	1.489%
50	8.009	2149	2152	2154	rVB2	491	269	0.02%	0.003%
51	8.090	2171	2177	2180	rBV4	479	422	0.03%	0.004%
52	8.148	2180	2195	2211	rVV	86684	143068	9.93%	1.382%
53	8.228	2211	2220	2221	rVV	9440	11350	0.79%	0.110%
54	8.257	2223	2229	2234	rVV	34793	51545	3.58%	0.498%
55	8.305	2234	2244	2265	rVV	312151	543986	37.74%	5.253%
56	8.408	2266	2276	2301	rVV	598834	946739	65.69%	9.143%
57	8.518	2302	2310	2332	rVB	42521	72411	5.02%	0.699%
58	8.897	2416	2428	2457	rBV	411847	654994	45.44%	6.326%
59	9.083	2468	2486	2510	rBV	405782	673904	46.76%	6.508%
60	9.344	2561	2567	2569	rBV4	532	456	0.03%	0.004%
61	9.379	2573	2578	2580	rBV2	312	287	0.02%	0.003%
62	9.450	2594	2600	2603	rVB2	450	442	0.03%	0.004%
63	9.469	2603	2606	2609	rBV2	319	295	0.02%	0.003%
64	9.511	2616	2619	2622	rVB2	464	332	0.02%	0.003%
65	9.534	2622	2626	2631	rBV4	398	342	0.02%	0.003%
66	9.598	2636	2646	2663	rBV3	6347	11327	0.79%	0.109%
67	9.669	2663	2668	2670	rBV4	320	240	0.02%	0.002%
68	9.710	2678	2681	2686	rBV3	285	260	0.02%	0.003%
69	9.762	2686	2697	2711	rBV	23435	37657	2.61%	0.364%
70	10.032	2775	2781	2783	rBV2	833	751	0.05%	0.007%
71	10.109	2802	2805	2810	rBV	386	458	0.03%	0.004%

LSC Area Percent Report

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Operator : JC/SP
Sample : K3324-16
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0JS2

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	10.424	2891	2903	2921	rBV	281010	454999	31.57%	4.394%
73	10.534	2932	2937	2940	rBV	389	357	0.02%	0.003%
74	10.598	2954	2957	2959	rBV	393	321	0.02%	0.003%
75	10.649	2968	2973	2981	rBV4	371	472	0.03%	0.005%
76	10.759	3003	3007	3008	rBV3	541	372	0.03%	0.004%
77	10.845	3029	3034	3043	rVB3	387	436	0.03%	0.004%
78	10.887	3044	3047	3049	rBV3	345	249	0.02%	0.002%
79	11.048	3093	3097	3103	rVB2	530	418	0.03%	0.004%
80	11.080	3103	3107	3110	rBV2	402	362	0.03%	0.003%
81	11.334	3183	3186	3189	rVV2	383	360	0.02%	0.003%
82	11.360	3192	3194	3195	rVV2	560	245	0.02%	0.002%
83	11.369	3195	3197	3202	rVV	837	652	0.05%	0.006%
84	11.398	3202	3206	3211	rVB	468	418	0.03%	0.004%
85	11.479	3219	3231	3256	rBV	412009	662107	45.94%	6.394%
86	11.704	3297	3301	3305	rBV3	415	284	0.02%	0.003%
87	11.726	3305	3308	3313	rBV3	345	305	0.02%	0.003%
88	11.855	3334	3348	3370	rBV	381491	626286	43.45%	6.048%
89	12.160	3441	3443	3446	rBV4	472	247	0.02%	0.002%
90	12.373	3504	3509	3511	rBV2	376	378	0.03%	0.004%
91	12.717	3611	3616	3618	rBV3	455	443	0.03%	0.004%
92	12.980	3696	3698	3708	rVB3	573	774	0.05%	0.007%
93	13.041	3715	3717	3722	rBV4	413	251	0.02%	0.002%
94	13.148	3744	3750	3753	rBV2	429	562	0.04%	0.005%
95	13.495	3854	3858	3860	rBV3	583	443	0.03%	0.004%
96	13.591	3884	3888	3890	rBV3	568	424	0.03%	0.004%
97	13.845	3963	3967	3970	rBV3	459	356	0.02%	0.003%
98	14.321	4111	4115	4120	rBV2	657	644	0.04%	0.006%
99	14.366	4124	4129	4134	rVB5	766	845	0.06%	0.008%
100	14.723	4237	4240	4242	rBV	518	330	0.02%	0.003%

Sum of corrected areas: 10354794

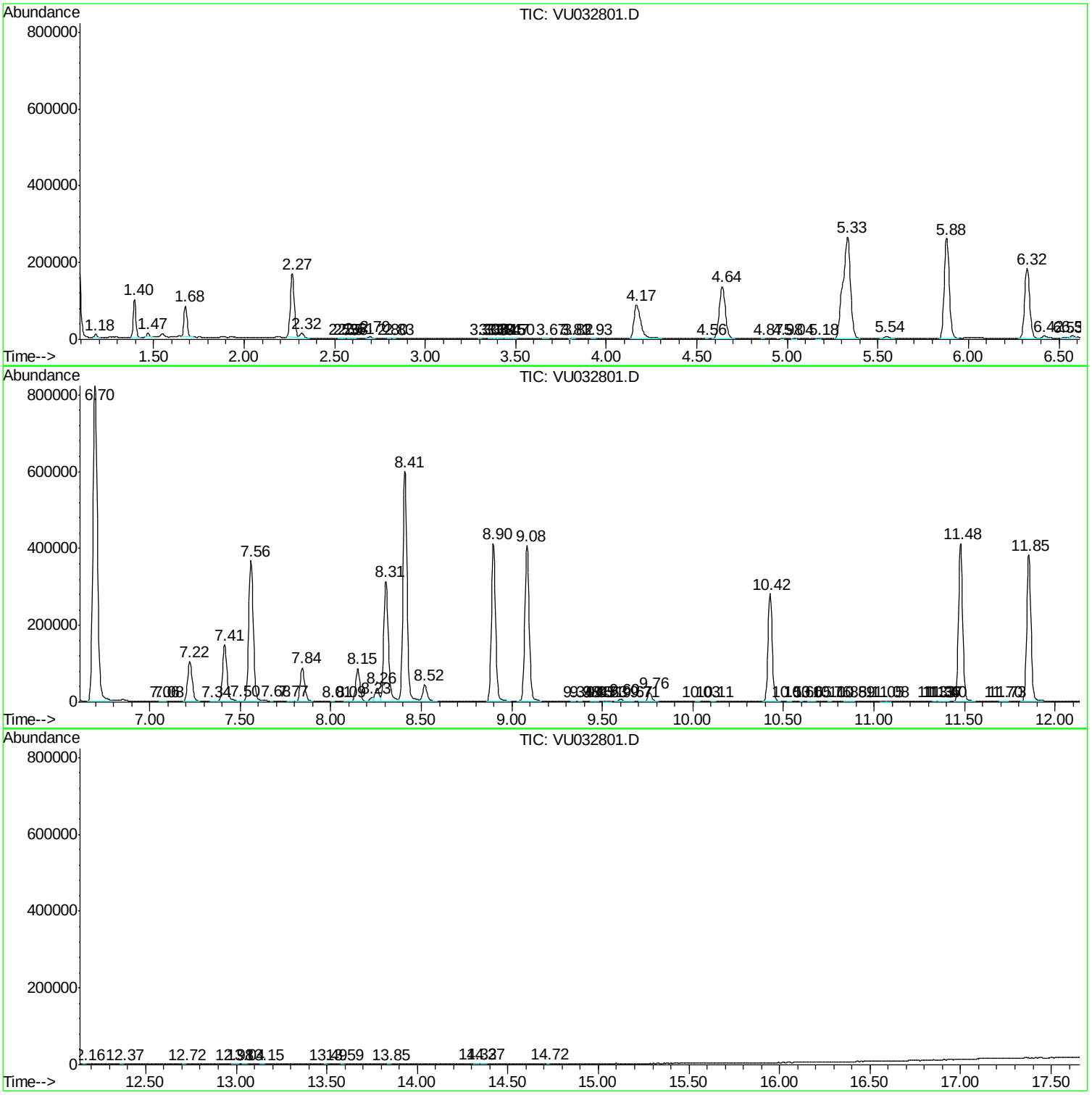
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061719\
Data File : VU032801.D
Acq On : 17 Jun 2019 22:24
Operator : JC/SP
Sample : K3324-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0JS2

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 : VU032801.D
Acq On : 17 Jun 2019 22:24
Operator : JC/SP
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis

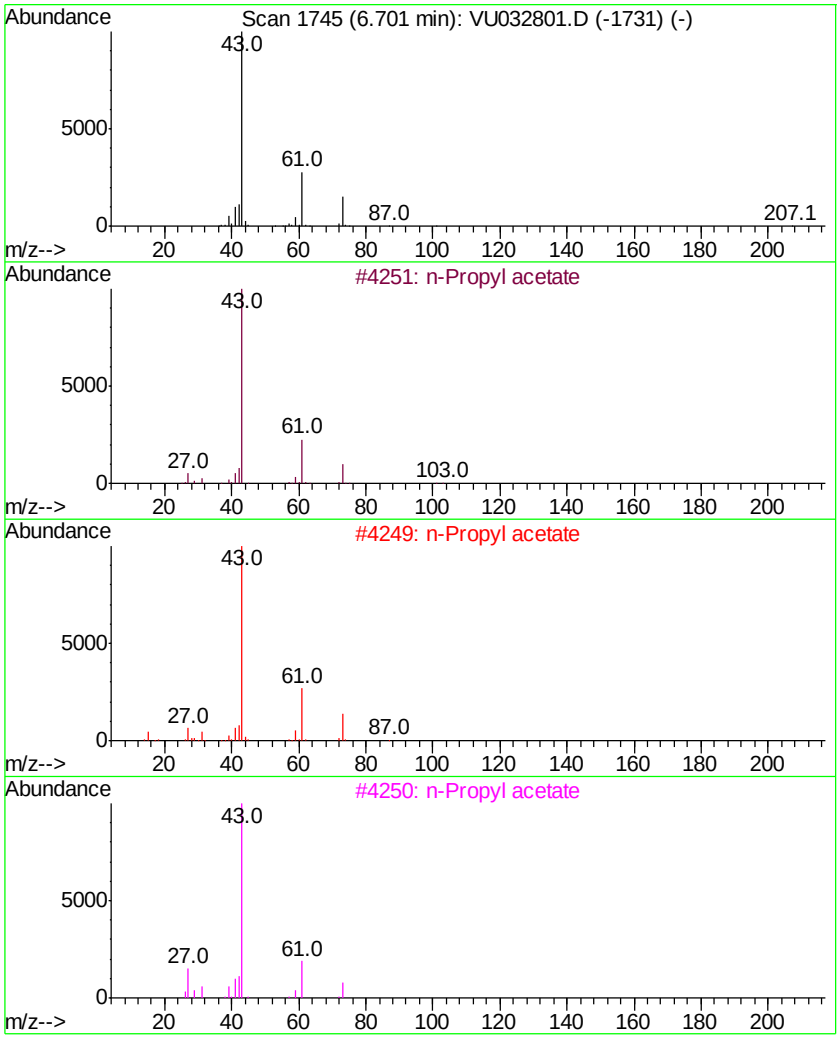
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

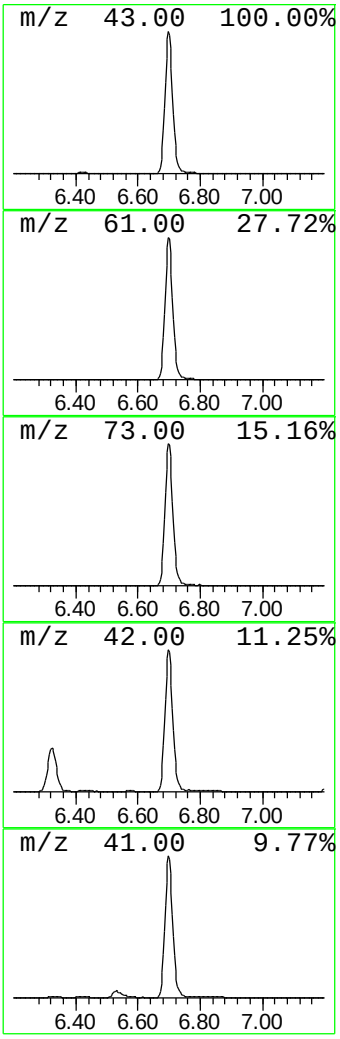
****

Peak Number 1 n-Propyl acetate Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.70	139.07 ug/L	1441300	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	Isopropyl acetate	102	C5H10O2	000108-21-4	9





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Data File : VU032801.D
Acq On : 17 Jun 2019 22:24
Operator : JC/SP
Sample : K3324-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0JS2

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

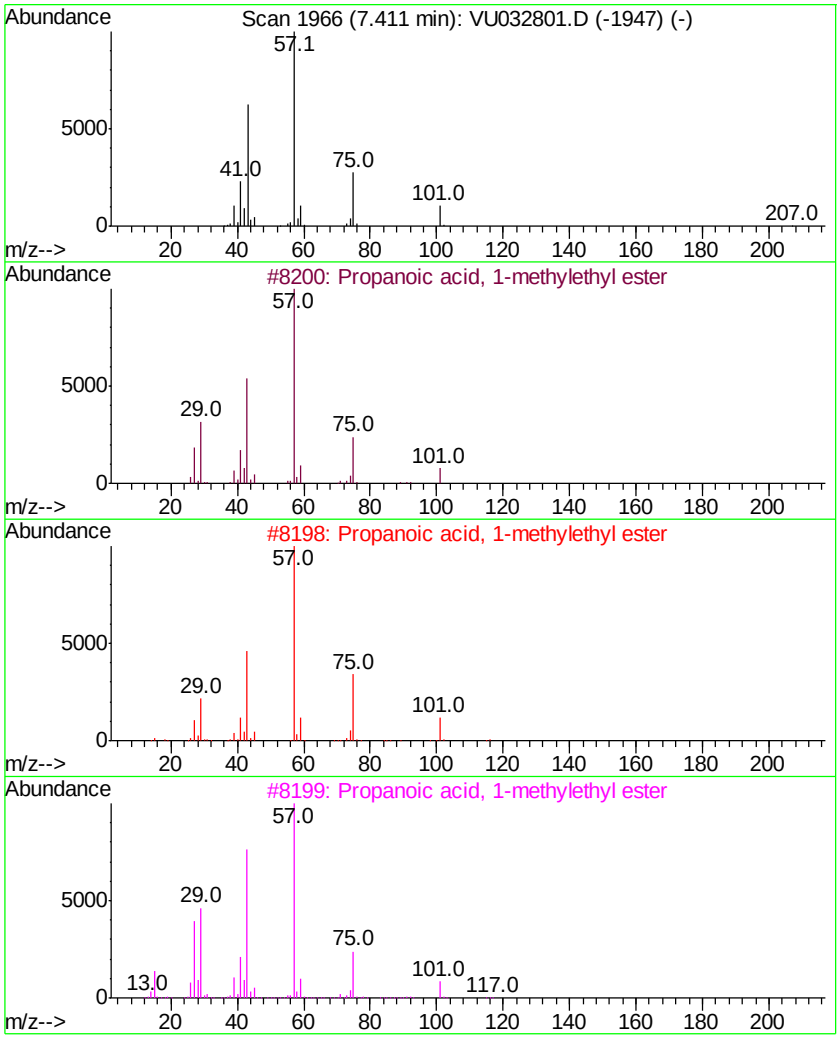
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

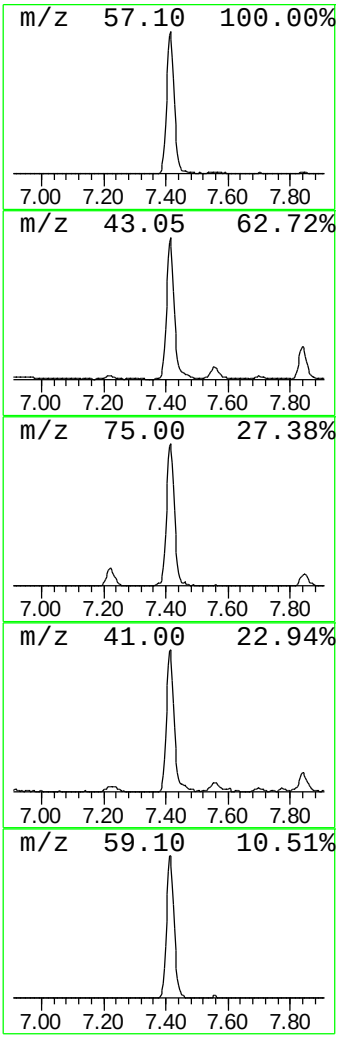
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.41	24.83 ug/L	257346	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	64
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	40





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ClientSampleId : C0JS2

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

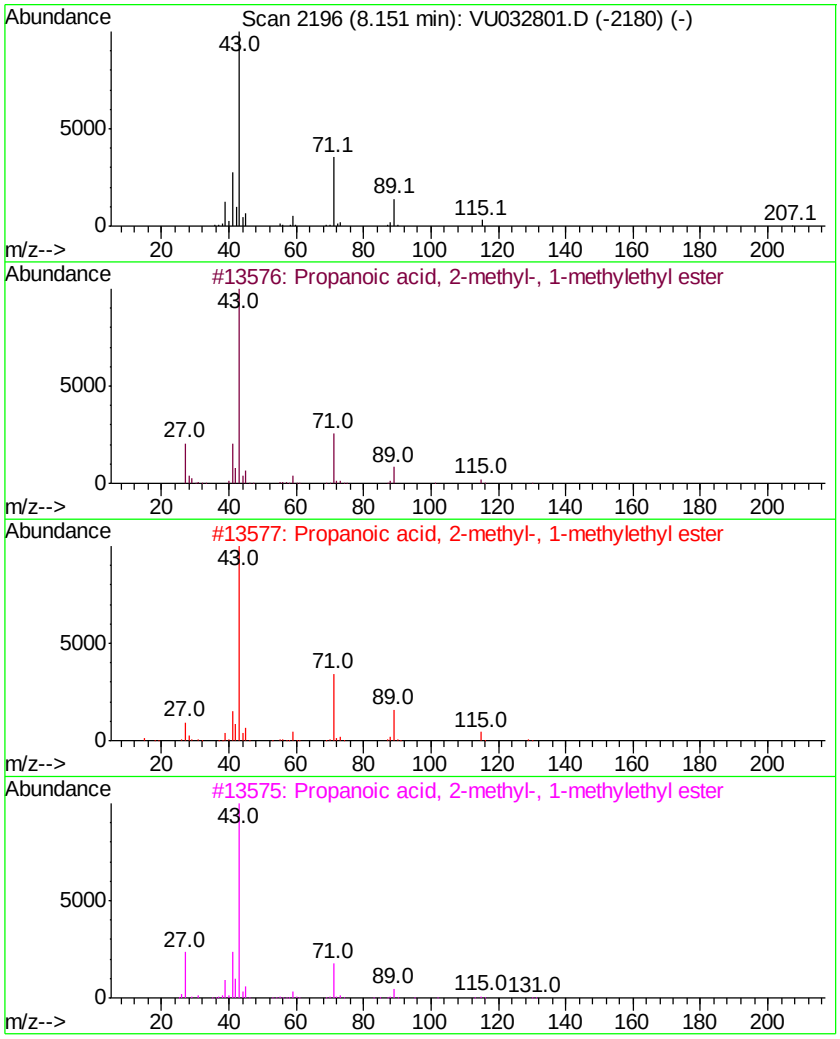
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

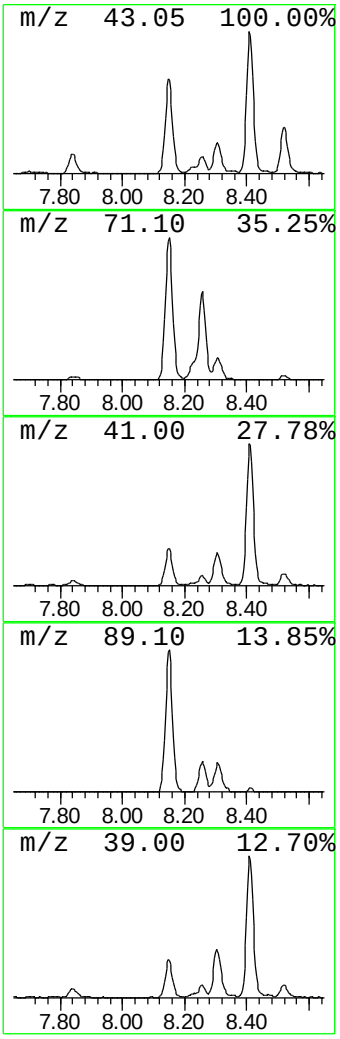
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.15	10.61 ug/L	143068	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-, 1-met...	130	C7H14O2	000617-50-5	72
5	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	56





Library Search Compound Report

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Acq On : 17 Jun 2019 22:24
Operator : JC/SP
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ALS Vial : 32 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0JS2

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

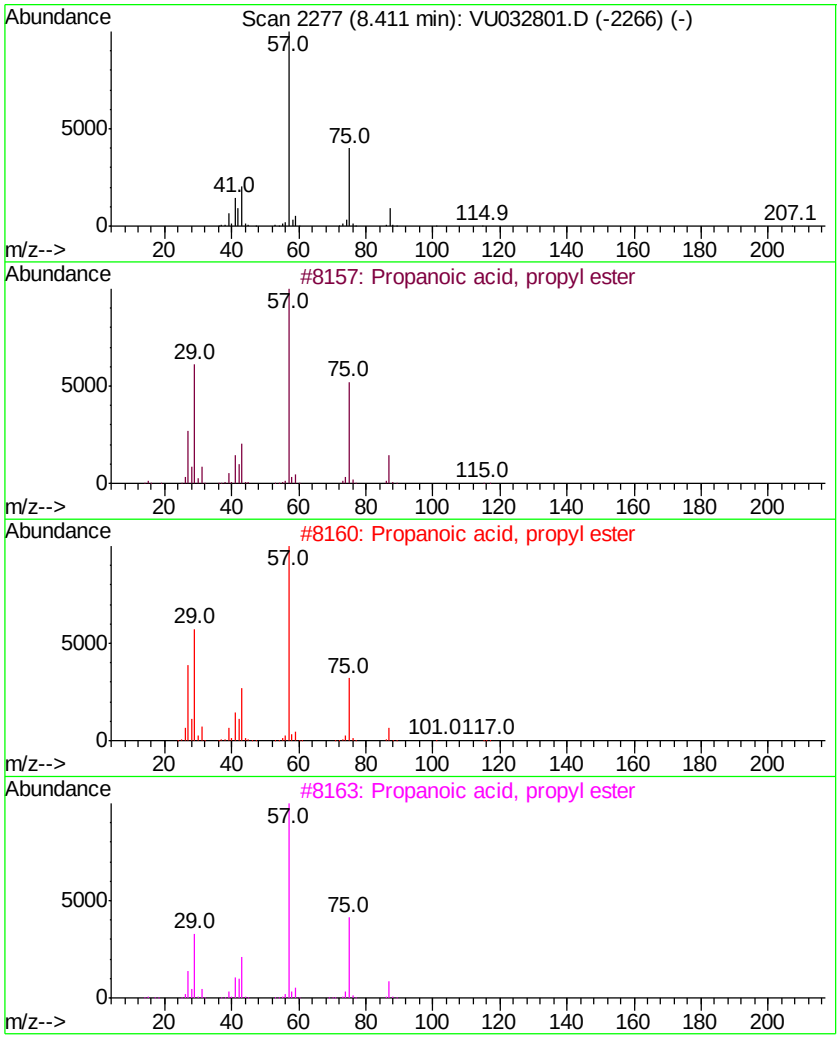
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

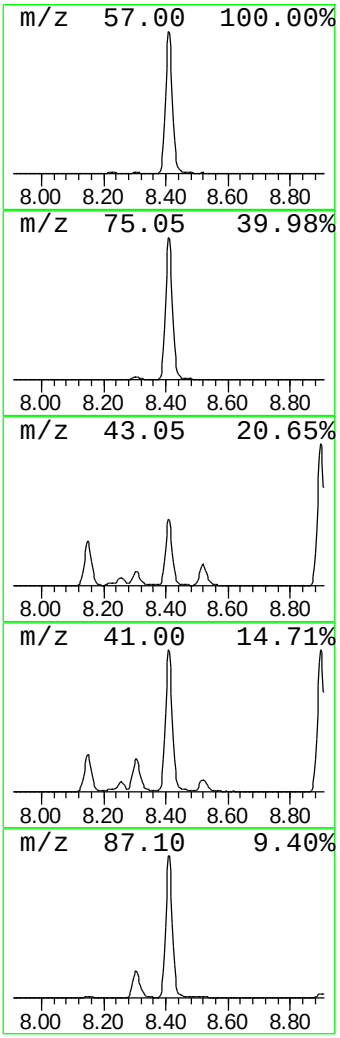
****

Peak Number 5 Propanoic acid, propyl ester Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.41	70.24 ug/L	946739	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	39





Library Search Compound Report

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Acq On : 17 Jun 2019 22:24
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Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0JS2

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

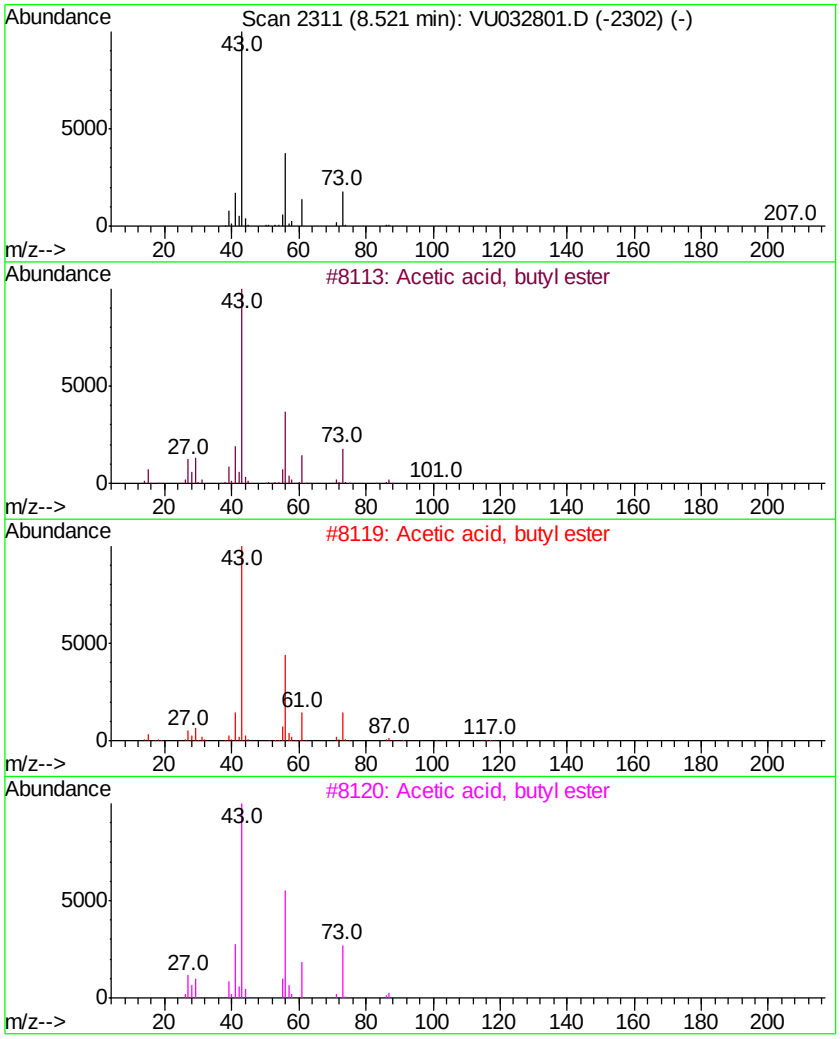
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

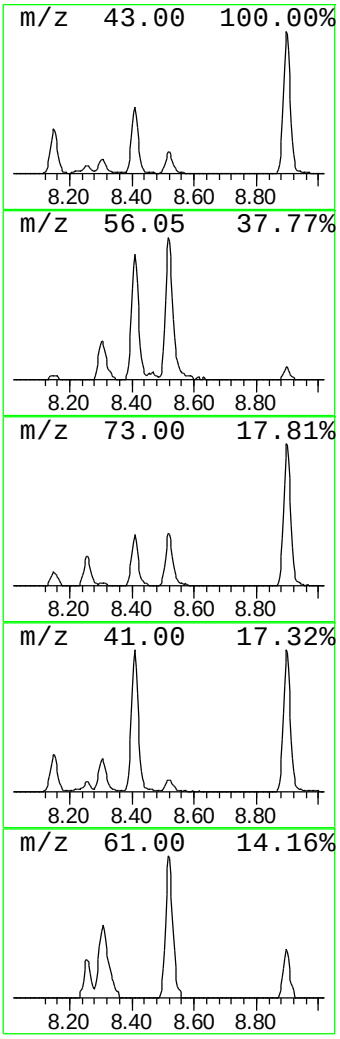
****

Peak Number 6 Acetic acid, butyl ester Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.52	5.37 ug/L	72411	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	72
4	Acetic acid, butyl ester	116	C6H12O2	000123-86-4	39
5	Isobutylamine	73	C4H11N	000078-81-9	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061719\
Data File : VU032801.D
Acq On : 17 Jun 2019 22:24
Operator : JC/SP
Sample : K3324-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0JS2

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

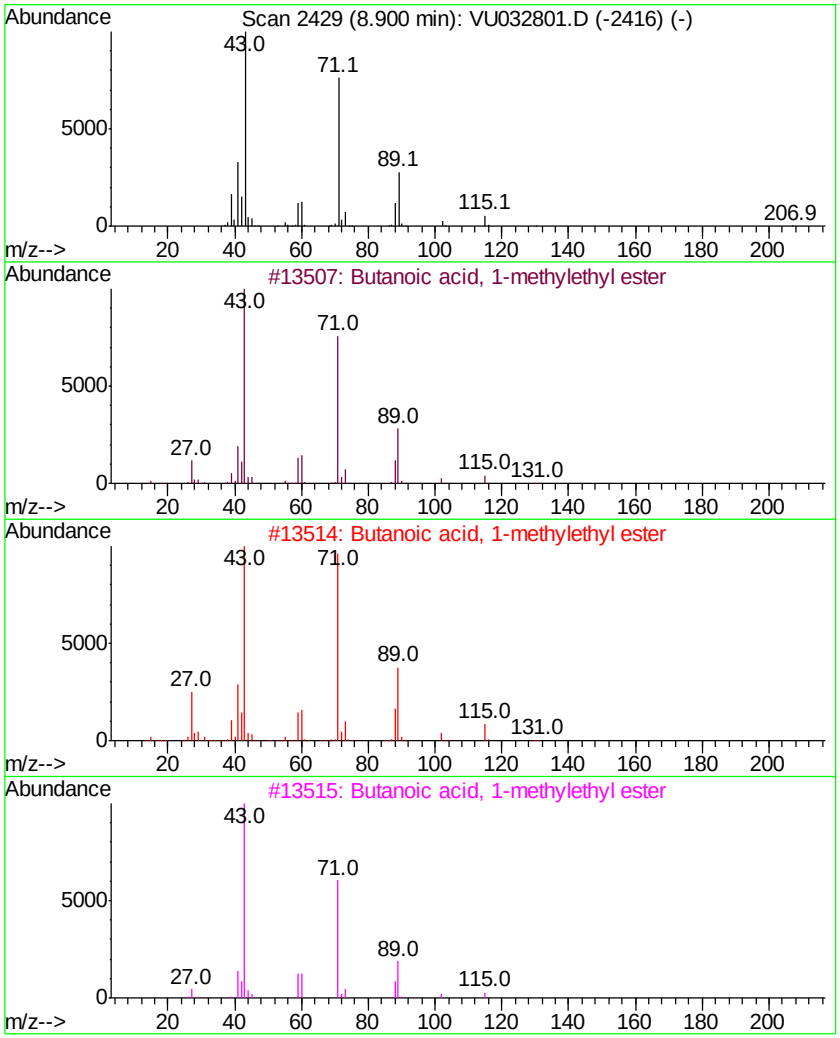
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

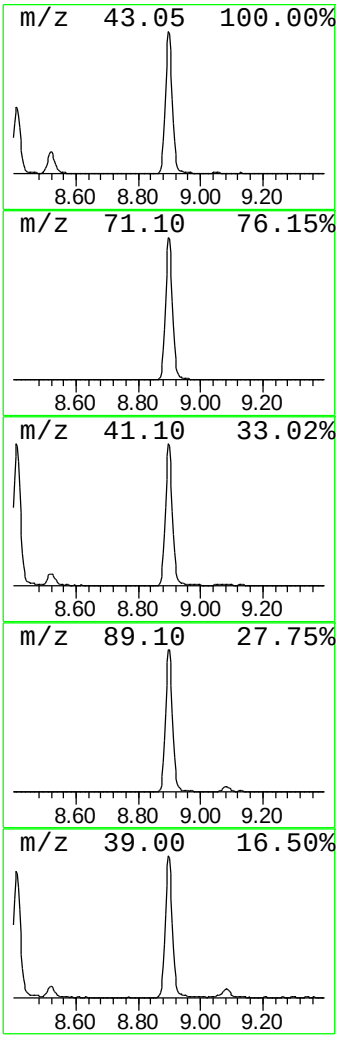
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.90	48.60 ug/L	654994	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	83
4	Propanoic acid, 2-methyl-, propy...	130	C7H14O2	000644-49-5	72
5	Propanoic acid, 2-methyl-, propy...	130	C7H14O2	000644-49-5	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061719\
Data File : VU032801.D
Acq On : 17 Jun 2019 22:24
Operator : JC/SP
Sample : K3324-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0JS2

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

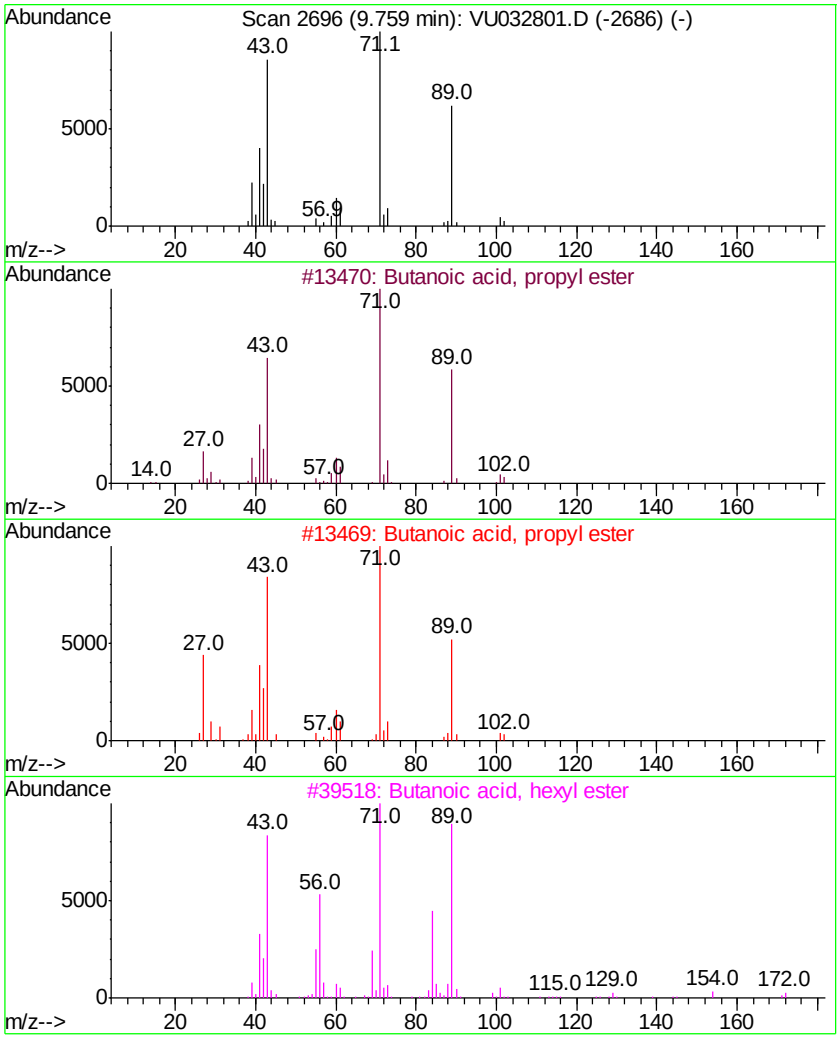
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

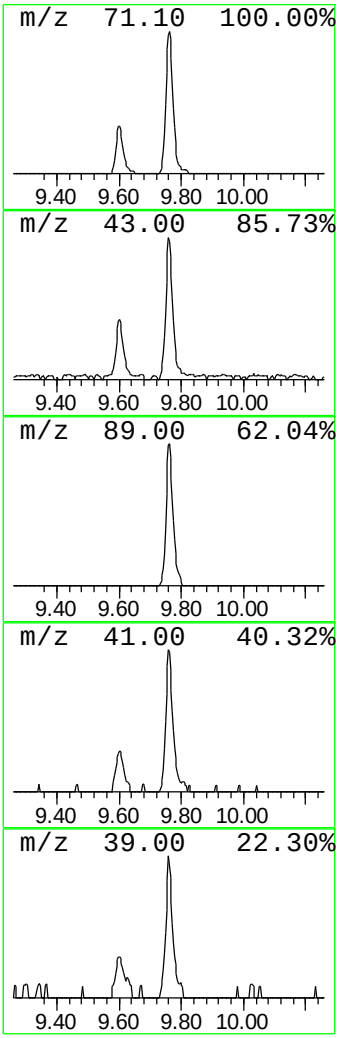
****

Peak Number 8 Butanoic acid, propyl ester Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.76	2.79 ug/L	37657	Chlorobenzene-d5	9.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, propyl ester	130	C7H14O2	000105-66-8	86
2	Butanoic acid, propyl ester	130	C7H14O2	000105-66-8	86
3	Butanoic acid, hexyl ester	172	C10H20O2	002639-63-6	83
4	Butanoic acid, propyl ester	130	C7H14O2	000105-66-8	83
5	Butanoic acid, hexyl ester	172	C10H20O2	002639-63-6	78





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061719\
Data File : VU032801.D
Acq On : 17 Jun 2019 22:24
Operator : JC/SP
Sample : K3324-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0JS2

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	139.1	ug/L	1441300	1	5.88	518202	50.0
Propanoic acid, 1...	7.41	24.8	ug/L	257346	1	5.88	518202	50.0
Propanoic acid, 2...	8.15	10.6	ug/L	143068	2	9.08	673904	50.0
Propanoic acid, p...	8.41	70.2	ug/L	946739	2	9.08	673904	50.0
Acetic acid, buty...	8.52	5.4	ug/L	72411	2	9.08	673904	50.0
Butanoic acid, 1-...	8.90	48.6	ug/L	654994	2	9.08	673904	50.0
Butanoic acid, pr...	9.76	2.8	ug/L	37657	2	9.08	673904	50.0