LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031220\
Data File : VV014865.D
Acq On : 12 Mar 2020 14:04
Operator : SY/MD
Sample : L1892-04
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBER1

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_V\METHOD\SOMVLM030620WMA.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	1.312	63	69	86	rVB	179591	192439	8.58%	1.146%
2	1.576	145	151	166	rVB	131330	163312	7.28%	0.973%
3	2.119	310	320	337	rVB	283489	409931	18.28%	2.442%
4	2.698	497	500	502	rBV2	521	390	0.02%	0.002%
5	2.740	510	513	514	rBV	339	210	0.01%	0.001%
6	2.788	525	528	531	rBV3	971	705	0.03%	0.004%
7	2.836	539	543	544	rBV3	429	300	0.01%	0.002%
8	2.923	568	570	573	rVB2	457	170	0.01%	0.001%
9	2.942	573	576	577	rBV2	536	238	0.01%	0.001%
10	3.058	610	612	614	rVB	680	310	0.01%	0.002%
11	3.071	614	616	618	rVB	389	178	0.01%	0.001%
12	3.084	618	620	623	rBV	391	259	0.01%	0.002%
13	3.132	632	635	637	rBV	451	317	0.01%	0.002%
14	3.193	648	654	660	rBV4	694	855	0.04%	0.005%
15	3.222	660	663	666	rVV2	605	402	0.02%	0.002%
16	3.264	672	676	678	rBV2	692	471	0.02%	0.003%
17	3.312	688	691	694	rVB3	510	319	0.01%	0.002%
18	3.338	694	699	700	rBV2	602	506	0.02%	0.003%
19	3.373	708	710	715	rBV3	652	544	0.02%	0.003%
20	3.415	721	723	725	rVB	596	244	0.01%	0.001%
21	3.466	736	739	741	rBV	408	225	0.01%	0.001%
22	3.544	759	763	764	rBV2	395	246	0.01%	0.001%
23	3.572	771	772	775	rVB	427	184	0.01%	0.001%
24	3.627	786	789	791	rBV	296	223	0.01%	0.001%
25	3.679	800	805	806	rBV2	553	358	0.02%	0.002%
26	3.724	816	819	820	rVB	443	235	0.01%	0.001%
27	3.749	823	827	830	rBV3	404	414	0.02%	0.002%
28	3.843	851	856	858	rBV2	296	237	0.01%	0.001%
29	3.865	860	863	866	rBV2	298	232	0.01%	0.001%
30	3.884	866	869	870	rBV	536	200	0.01%	0.001%
31	3.926	870	882	924	rBV	62951	291036	12.98%	1.734%
32	4.312	1000	1002	1005	rBV3	544	332	0.01%	0.002%
33	4.376	1006	1022	1053	rVB2	224630	557636	24.86%	3.322%
34	4.605	1089	1093	1094	rBV2	395	288	0.01%	0.002%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031220\
Data File : VV014865.D
Acq On : 12 Mar 2020 14:04
Operator : SY/MD
Sample : L1892-04
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBER1

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_V\METHOD\SOMVLM030620WMA.M
Title : VOC Analysis

35	4.769	1141	1144	1146	rBV3	597	377	0.02%	0.002%
36	4.852	1167	1170	1173	rVB3	833	554	0.02%	0.003%
37	4.878	1173	1178	1181	rBV2	798	608	0.03%	0.004%
38	4.907	1185	1187	1189	rVB	464	190	0.01%	0.001%
39	4.945	1197	1199	1200	rBV	827	211	0.01%	0.001%
40	5.010	1212	1219	1221	rBV4	929	857	0.04%	0.005%
41	5.071	1221	1238	1264	rBV2	567361	1421053	63.36%	8.466%
42	5.251	1291	1294	1297	rVB4	1071	802	0.04%	0.005%
43	5.306	1297	1311	1343	rBV	51876	135758	6.05%	0.809%
44	5.643	1402	1416	1437	rBV	449535	901104	40.17%	5.368%
45	6.096	1545	1557	1576	rVB	312339	625585	27.89%	3.727%
46	6.486	1666	1678	1714	rBV	1104764	2242966	100.00%	13.362%
47	7.006	1829	1840	1862	rBV	182884	325536	14.51%	1.939%
48	7.209	1892	1903	1930	rBV	160243	301001	13.42%	1.793%
49	7.338	1931	1943	1982	rVV	718694	1279503	57.05%	7.623%
50	7.640	2027	2037	2053	rBV3	172667	297310	13.26%	1.771%
51	7.949	2120	2133	2149	rBV	300554	523055	23.32%	3.116%
52	8.113	2174	2184	2204	rVV2	414003	841915	37.54%	5.016%
53	8.212	2206	2215	2241	rVB	512263	838808	37.40%	4.997%
54	8.531	2312	2314	2316	rVB2	637	196	0.01%	0.001%
55	8.543	2316	2318	2319	rBV	717	372	0.02%	0.002%
56	8.701	2352	2367	2397	rBV	682924	1129669	50.36%	6.730%
57	8.875	2407	2421	2436	rBV	703611	1156151	51.55%	6.888%
58	9.370	2573	2575	2576	rBV	913	292	0.01%	0.002%
59	9.408	2579	2587	2605	rVB	17112	29801	1.33%	0.178%
60	9.569	2626	2637	2654	rBV	94131	152018	6.78%	0.906%
61	9.691	2673	2675	2678	rBV2	719	533	0.02%	0.003%
62	9.733	2681	2688	2697	rVV4	5138	8394	0.37%	0.050%
63	10.022	2773	2778	2780	rBV3	1027	861	0.04%	0.005%
64	10.087	2795	2798	2799	rBV2	592	377	0.02%	0.002%
65	10.161	2819	2821	2825	rVB3	454	312	0.01%	0.002%
66	10.238	2831	2845	2862	rBV	458064	718009	32.01%	4.278%
67	10.299	2862	2864	2867	rVB2	1057	385	0.02%	0.002%
68	10.331	2872	2874	2875	rBV2	635	239	0.01%	0.001%
69	10.473	2916	2918	2921	rVB3	613	342	0.02%	0.002%
70	10.688	2983	2985	2988	rBV2	633	388	0.02%	0.002%
71	10.749	3001	3004	3007	rBV2	330	269	0.01%	0.002%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031220\
Data File : VV014865.D
Acq On : 12 Mar 2020 14:04
Operator : SY/MD
Sample : L1892-04
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBER1

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_V\METHOD\SOMVLM030620WMA.M
Title : VOC Analysis

72	10.762	3007	3008	3011	rVB	650	201	0.01%	0.001%
73	10.781	3011	3014	3015	rBV3	346	189	0.01%	0.001%
74	10.836	3029	3031	3032	rBV3	390	178	0.01%	0.001%
75	11.055	3094	3099	3100	rBV2	830	706	0.03%	0.004%
76	11.109	3111	3116	3117	rBV4	833	641	0.03%	0.004%
77	11.270	3153	3166	3188	rBV	702316	1083029	48.29%	6.452%
78	11.437	3216	3218	3221	rBV2	571	414	0.02%	0.002%
79	11.492	3229	3235	3236	rBV4	580	485	0.02%	0.003%
80	11.553	3245	3254	3267	rBV3	7509	15442	0.69%	0.092%
81	11.646	3270	3283	3300	rVV	712021	1116344	49.77%	6.651%
82	11.791	3326	3328	3329	rBV	865	352	0.02%	0.002%
83	11.900	3357	3362	3364	rBV2	706	612	0.03%	0.004%
84	11.977	3382	3386	3387	rBV	769	593	0.03%	0.004%
85	12.048	3406	3408	3410	rBV	594	330	0.01%	0.002%
86	12.138	3432	3436	3438	rVB2	716	475	0.02%	0.003%
87	12.186	3449	3451	3452	rBV2	711	269	0.01%	0.002%
88	12.235	3464	3466	3469	rVB	625	307	0.01%	0.002%
89	12.257	3469	3473	3475	rBV	1238	1004	0.04%	0.006%
90	12.308	3486	3489	3490	rBV2	960	360	0.02%	0.002%
91	12.476	3539	3541	3542	rBV	494	212	0.01%	0.001%
92	12.604	3579	3581	3583	rBV2	508	201	0.01%	0.001%
93	12.685	3604	3606	3608	rBV3	923	594	0.03%	0.004%
94	12.858	3656	3660	3661	rBV3	409	286	0.01%	0.002%
95	12.984	3695	3699	3703	rBV3	722	657	0.03%	0.004%
96	13.138	3745	3747	3749	rBV3	717	327	0.01%	0.002%
97	13.270	3785	3788	3790	rBV2	1001	738	0.03%	0.004%
98	13.524	3865	3867	3870	rBV3	955	489	0.02%	0.003%
99	13.665	3909	3911	3913	rBV	543	253	0.01%	0.002%
100	14.450	4154	4155	4157	rBV	576	228	0.01%	0.001%

Sum of corrected areas: 16785663

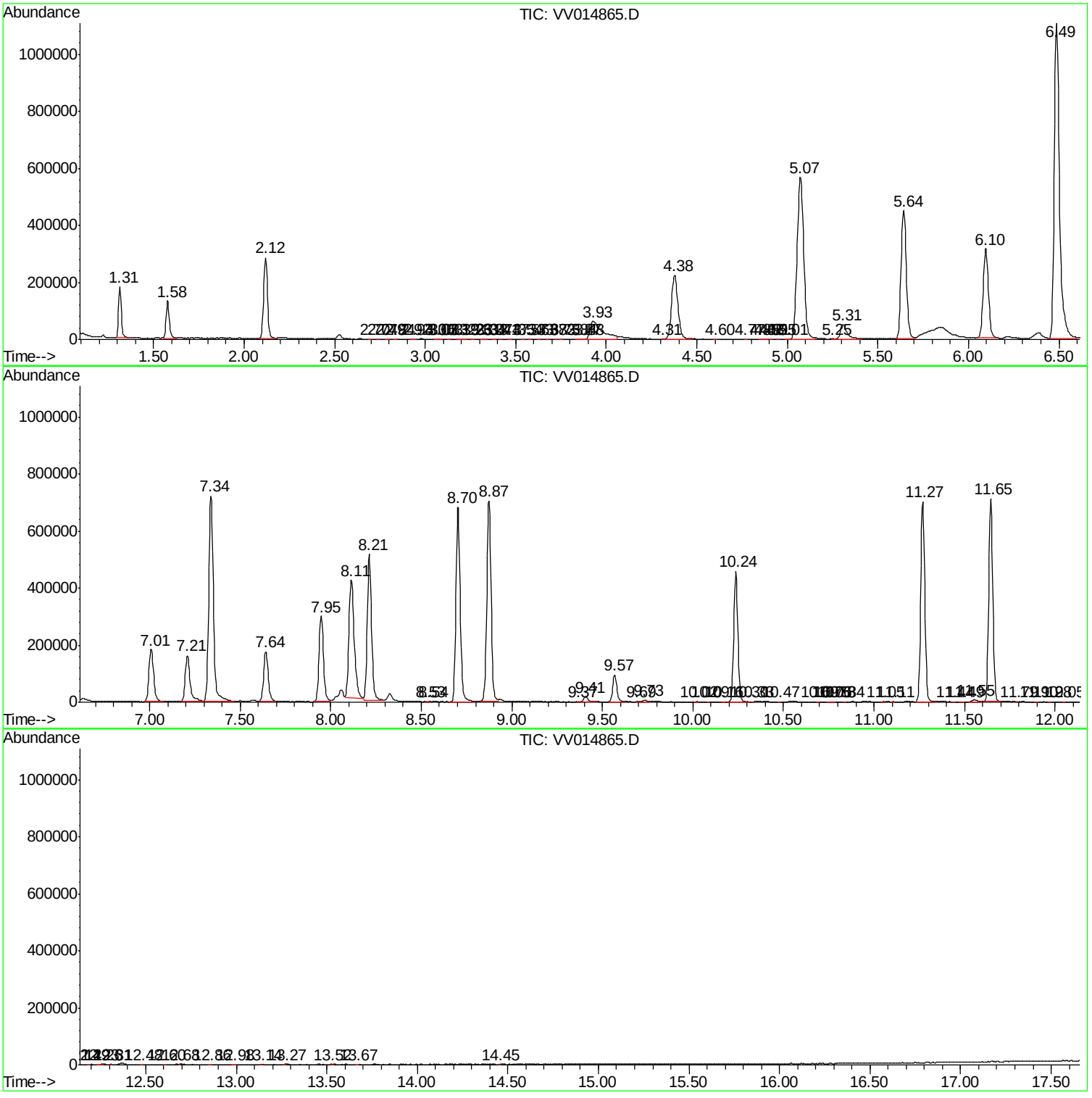
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV031220\
Data File : VV014865.D
Acq On : 12 Mar 2020 14:04
Operator : SY/MD
Sample : L1892-04
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBER1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV031220\
Data File : VV014865.D
Acq On : 12 Mar 2020 14:04
Operator : SY/MD
Sample : L1892-04
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBER1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
Quant Title : VOC Analysis

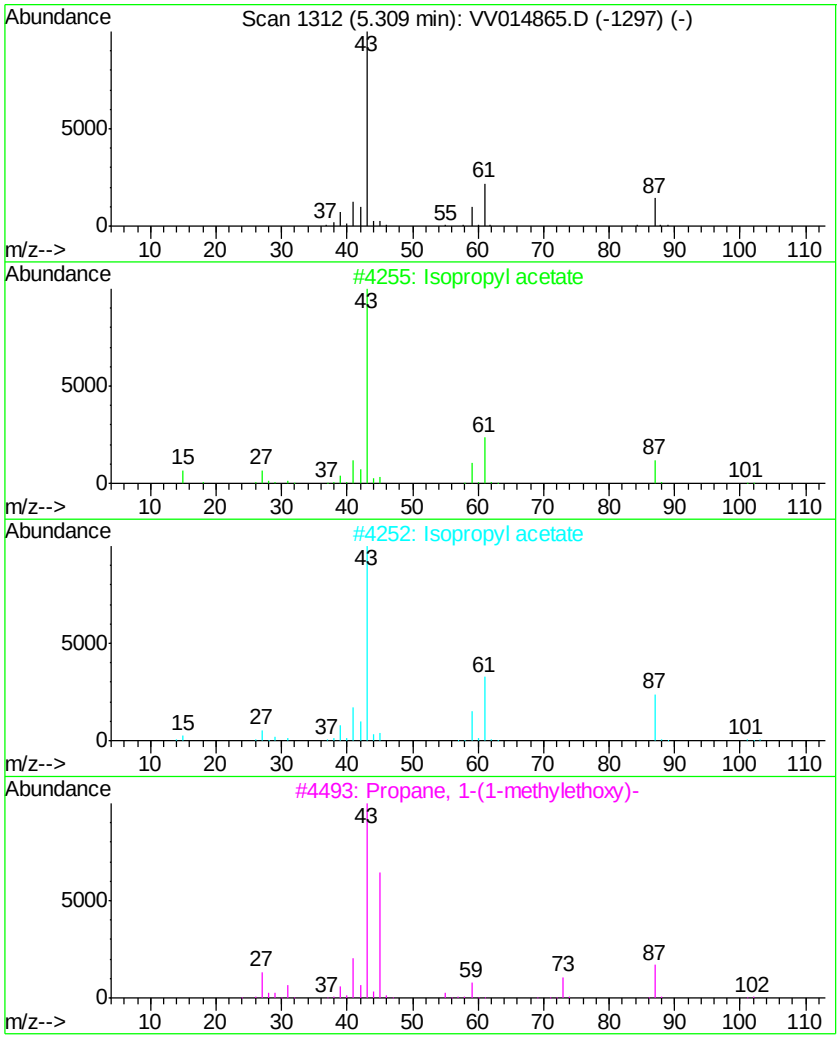
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

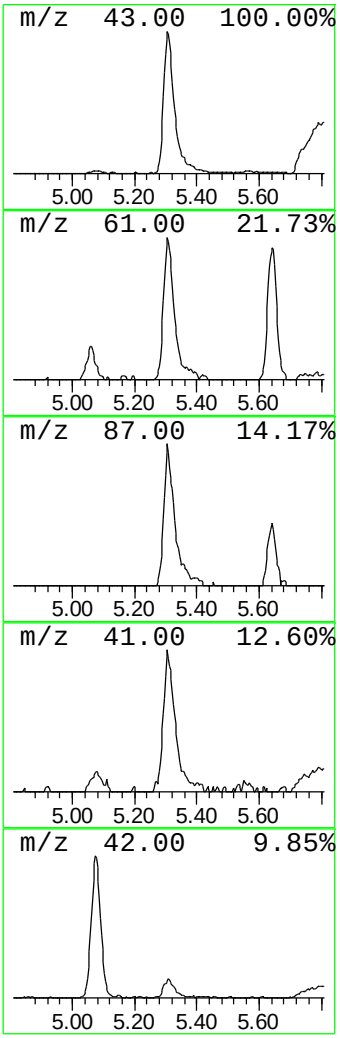
****

Peak Number 1 Isopropyl acetate Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.31	7.53 ug/L	135758	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropyl acetate	102	C5H10O2	000108-21-4	78
2	Isopropyl acetate	102	C5H10O2	000108-21-4	59
3	Propane, 1-(1-methylethoxy)-	102	C6H14O	000627-08-7	17
4	Acetaldehyde, O-ethyloxime-	87	C4H9NO	1000288-34-6	9
5	n-Propyl acetate	102	C5H10O2	000109-60-4	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV031220\
Data File : VV014865.D
Acq On : 12 Mar 2020 14:04
Operator : SY/MD
Sample : L1892-04
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBER1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
Quant Title : VOC Analysis

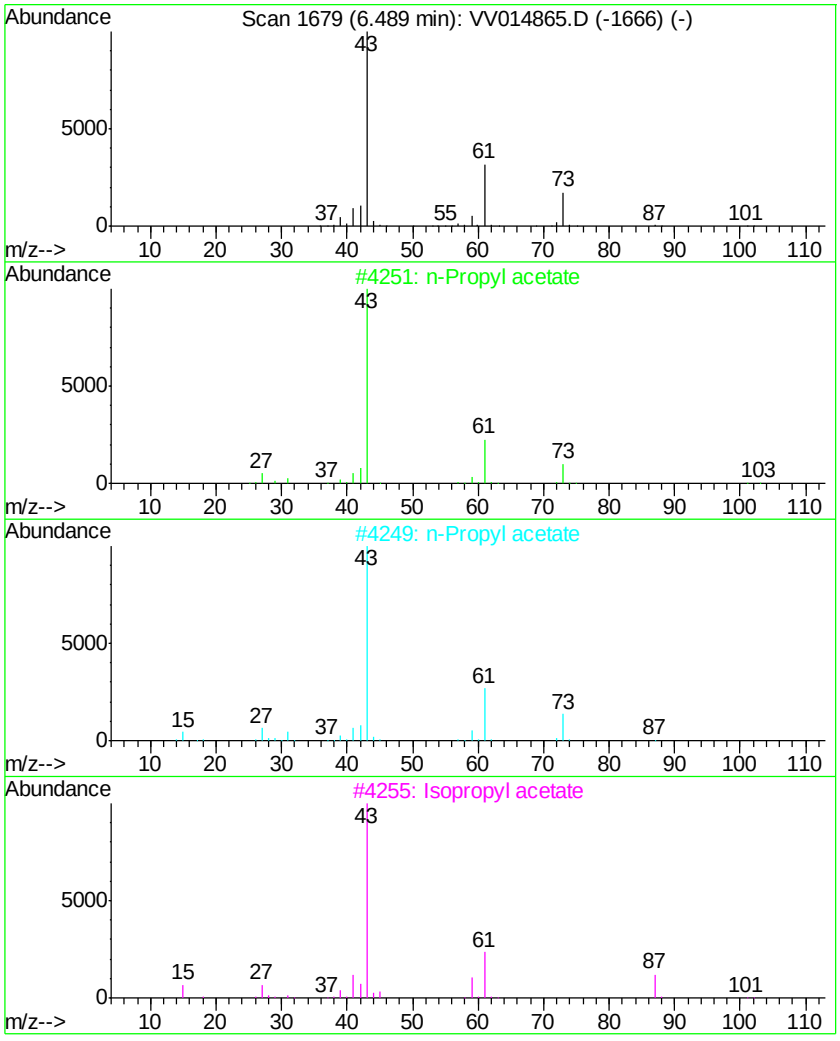
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

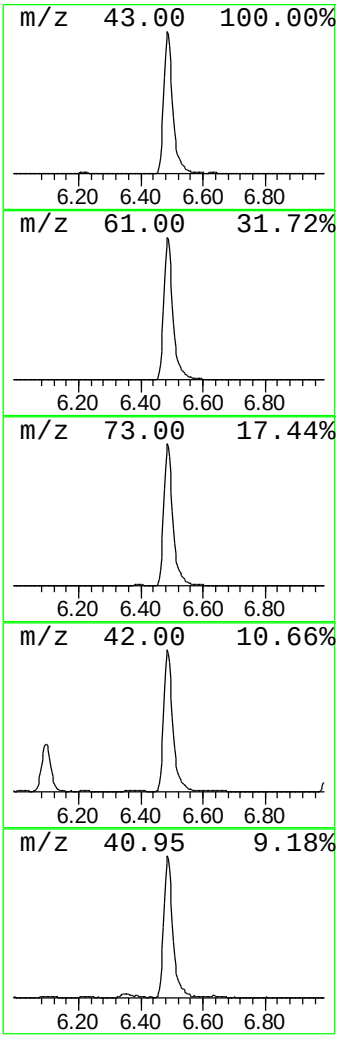
****

Peak Number 2 n-Propyl acetate Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.49	124.46 ug/L	2242970	1,4-Difluorobenzene	5.64

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	83
3	Isopropyl acetate	102	C5H10O2	000108-21-4	36
4	n-Propyl acetate	102	C5H10O2	000109-60-4	9
5	1-Butanamine	73	C4H11N	000109-73-9	7





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV031220\
Data File : VV014865.D
Acq On : 12 Mar 2020 14:04
Operator : SY/MD
Sample : L1892-04
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBER1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
Quant Title : VOC Analysis

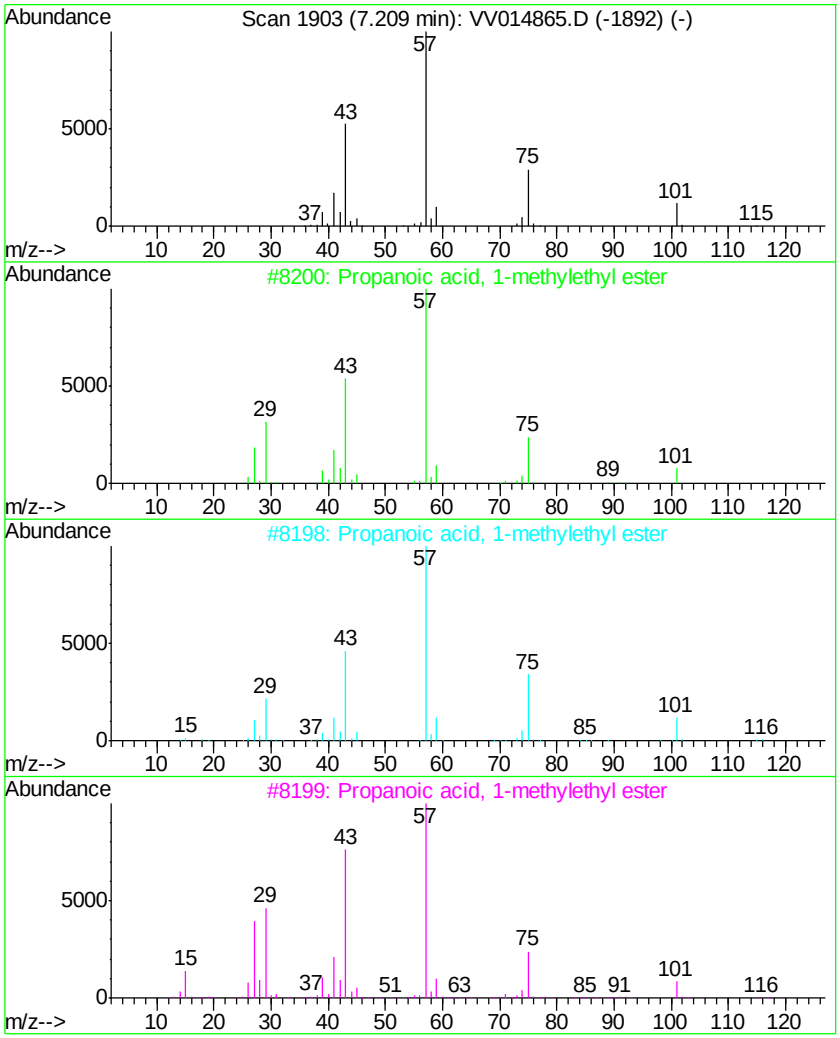
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

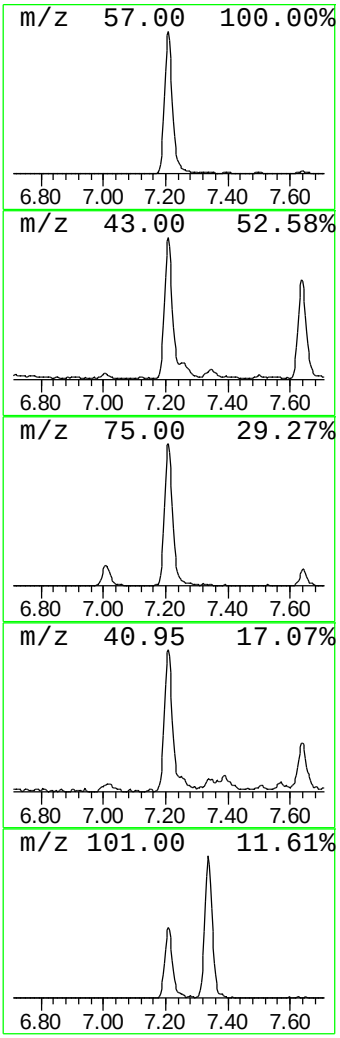
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.21	16.70 ug/L	301001	1,4-Difluorobenzene	5.64

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	78
3	Propanoic acid, 1-methylethyl ester	116	C6H12O2	000637-78-5	64
4	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	53
5	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	42





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV031220\
Data File : VV014865.D
Acq On : 12 Mar 2020 14:04
Operator : SY/MD
Sample : L1892-04
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBER1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
Quant Title : VOC Analysis

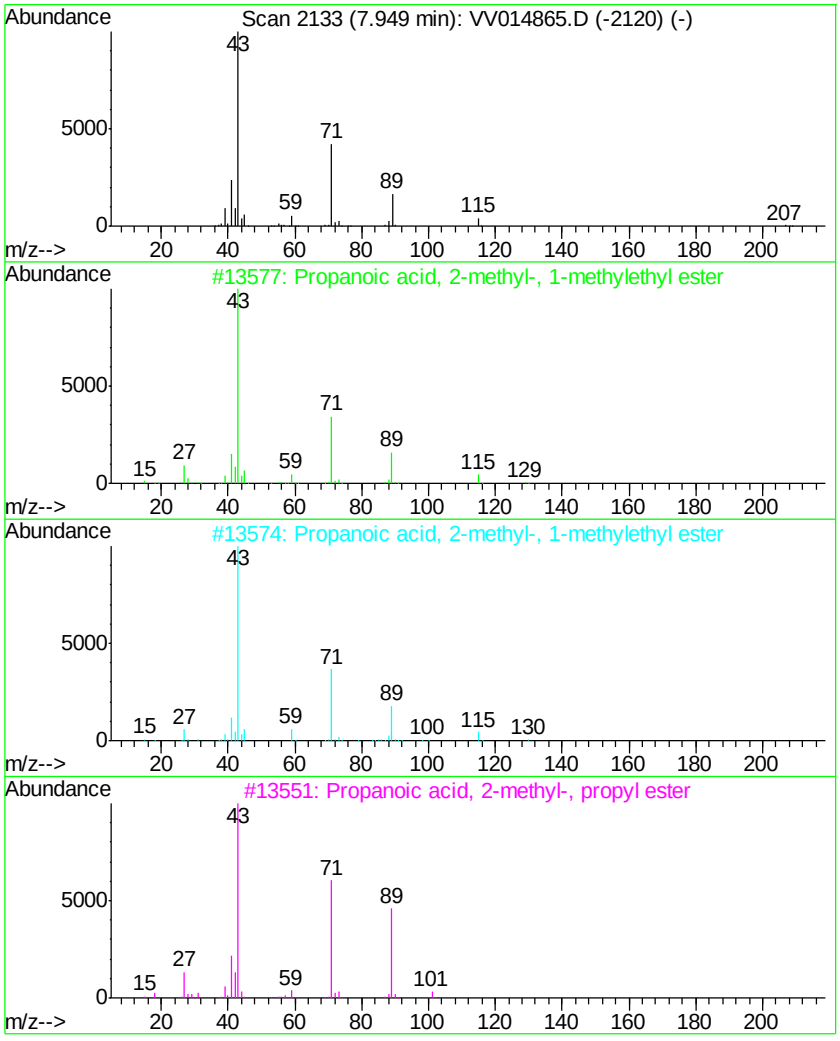
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

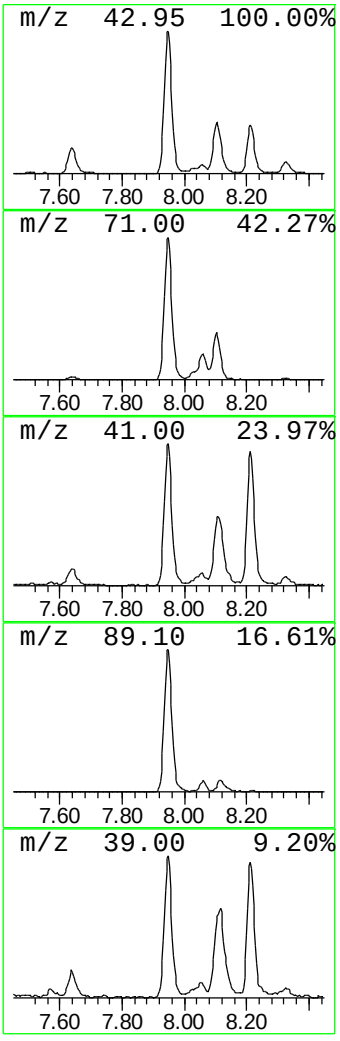
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.95	22.62 ug/L	523055	Chlorobenzene-d5	8.87

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-, propy...	130	C7H14O2	000644-49-5	72
4	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	56
5	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	45





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV031220\
Data File : VV014865.D
Acq On : 12 Mar 2020 14:04
Operator : SY/MD
Sample : L1892-04
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBER1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
Quant Title : VOC Analysis

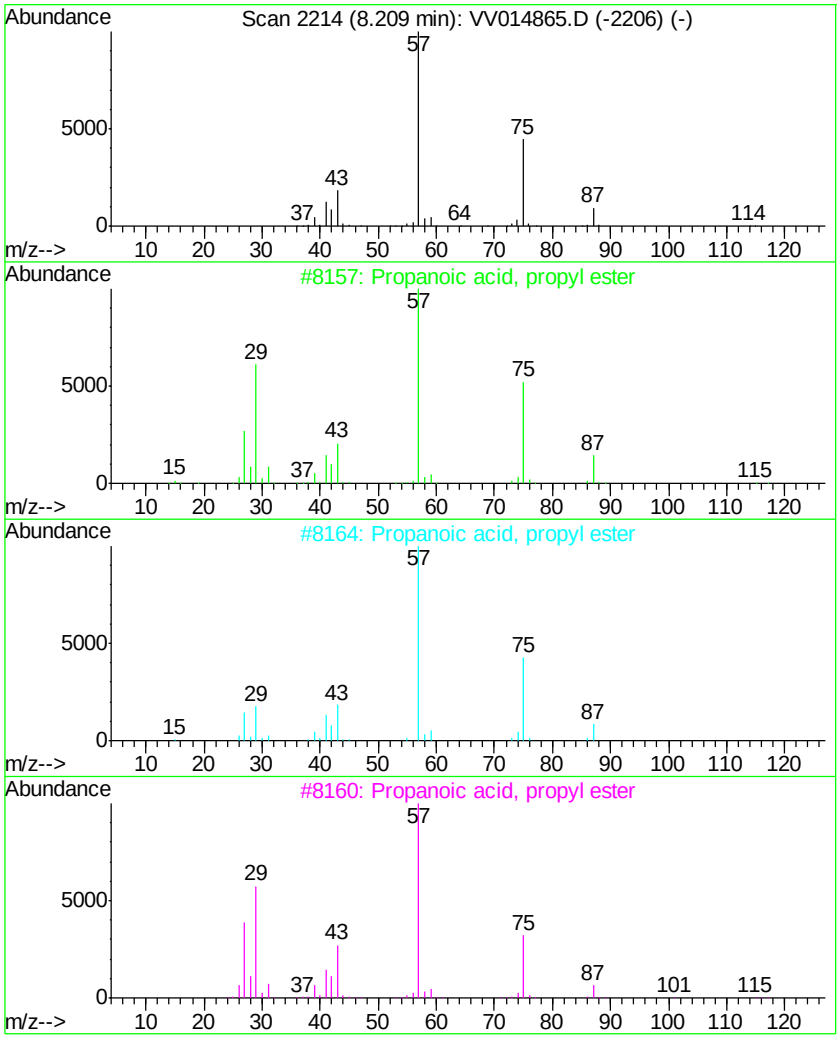
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

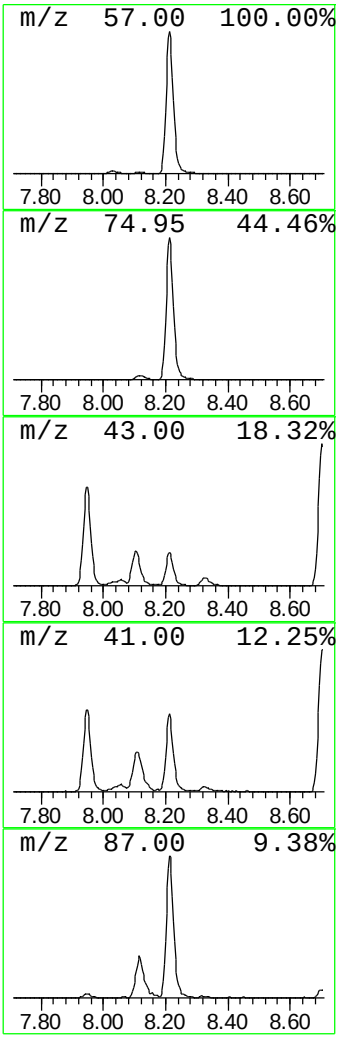
****

Peak Number 6 Propanoic acid, propyl ester Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.21	36.28 ug/L	838808	Chlorobenzene-d5	8.87

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	83
5	Propanoic acid, butyl ester	130	C7H14O2	000590-01-2	28





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV031220\
Data File : VV014865.D
Acq On : 12 Mar 2020 14:04
Operator : SY/MD
Sample : L1892-04
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBER1

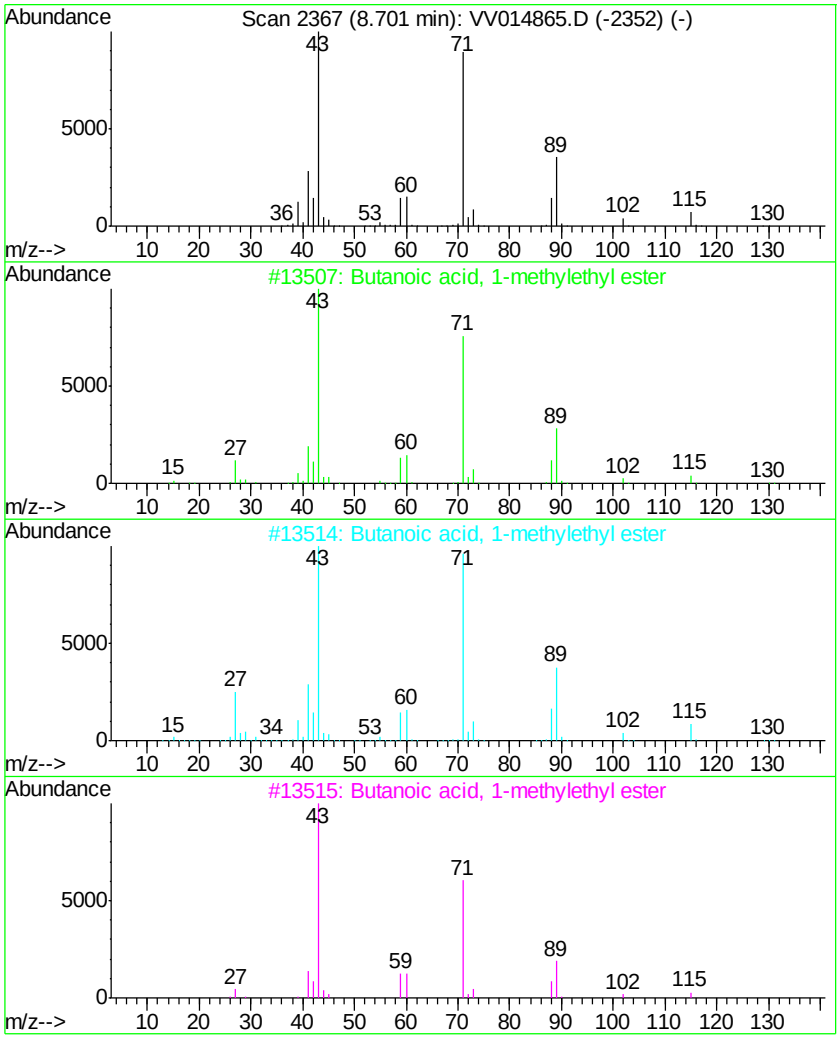
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
Quant Title : VOC Analysis

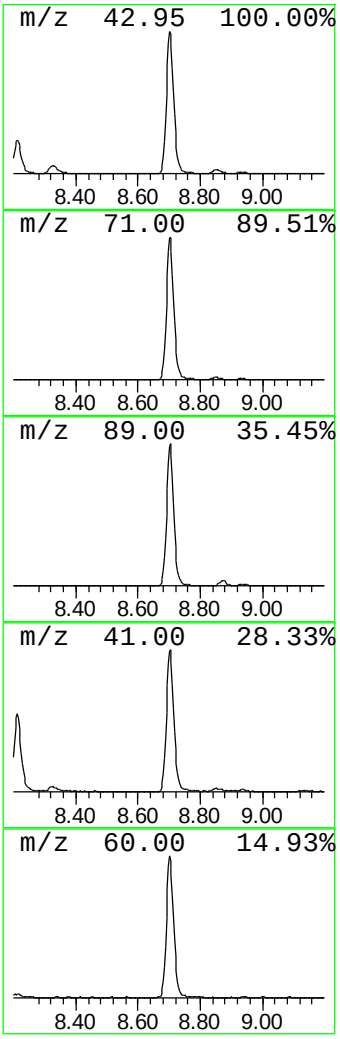
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.70	48.85 ug/L	1129670	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	97
2	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	91
3	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	83
4	Butanoic acid, 1-methylpropyl ester	144	C8H16O2	000819-97-6	72
5	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV031220\
Data File : VV014865.D
Acq On : 12 Mar 2020 14:04
Operator : SY/MD
Sample : L1892-04
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBER1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
Quant Title : VOC Analysis

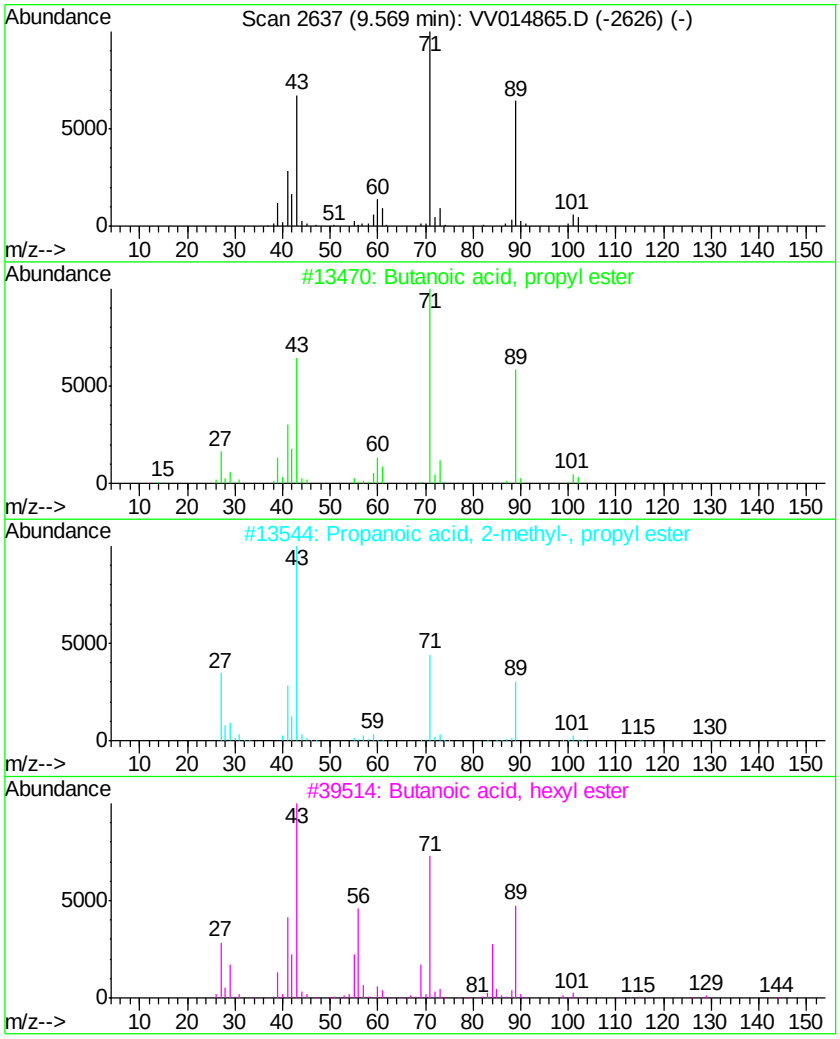
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

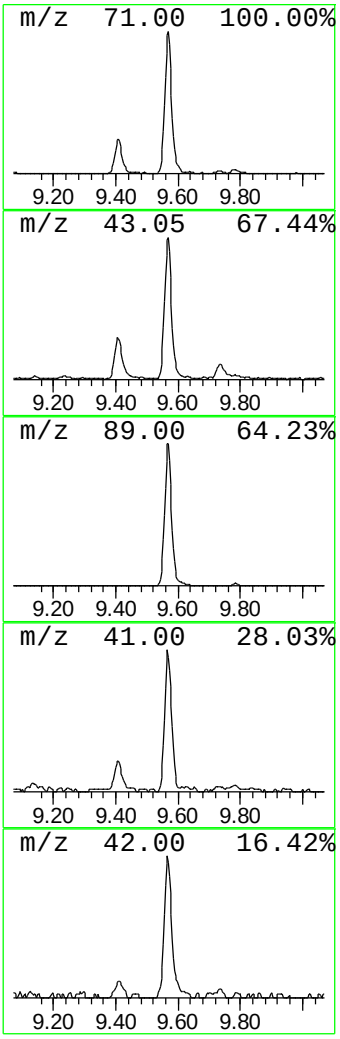
****

Peak Number 8 Butanoic acid, propyl ester Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.57	6.57 ug/L	152018	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, propyl ester	130	C7H14O2	000105-66-8	90
2	Propanoic acid, 2-methyl-, propy...	130	C7H14O2	000644-49-5	72
3	Butanoic acid, hexyl ester	172	C10H20O2	002639-63-6	64
4	Propanoic acid, 2-methyl-, propy...	130	C7H14O2	000644-49-5	64
5	Malic Acid	134	C4H6O5	006915-15-7	59





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV031220\
Data File : VV014865.D
Acq On : 12 Mar 2020 14:04
Operator : SY/MD
Sample : L1892-04
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBER1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.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	5.31	7.5	ug/L	135758	1	5.64	901104	50.0
n-Propyl acetate	6.49	124.5	ug/L	2242970	1	5.64	901104	50.0
Propanoic acid, 1...	7.21	16.7	ug/L	301001	1	5.64	901104	50.0
Propanoic acid, 2...	7.95	22.6	ug/L	523055	2	8.87	1156150	50.0
Propanoic acid, p...	8.21	36.3	ug/L	838808	2	8.87	1156150	50.0
Butanoic acid, 1-...	8.70	48.9	ug/L	1129670	2	8.87	1156150	50.0
Butanoic acid, pr...	9.57	6.6	ug/L	152018	2	8.87	1156150	50.0