LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV120919\
Data File : VV013956.D
Acq On : 09 Dec 2019 12:29
Operator : SY/MD
Sample : PB125309TB
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : VLEB01

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\SOMVLM120219WMA.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	1.319	65	71	83	rVB	320395	306427	10.33%	1.289%
2	1.569	143	149	162	rVB	310164	357744	12.06%	1.505%
3	2.126	314	322	333	rVB	634372	866825	29.21%	3.647%
4	2.630	476	479	483	rBV3	1702	1393	0.05%	0.006%
5	2.820	536	538	542	rVB5	1492	808	0.03%	0.003%
6	2.839	542	544	545	rBV	1000	329	0.01%	0.001%
7	2.910	564	566	568	rVB2	990	446	0.02%	0.002%
8	2.930	570	572	573	rVB2	752	267	0.01%	0.001%
9	2.939	573	575	576	rBV	693	367	0.01%	0.002%
10	2.946	576	577	580	rVV3	801	391	0.01%	0.002%
11	3.138	634	637	639	rBV4	1374	1045	0.04%	0.004%
12	3.180	647	650	654	rBV4	796	538	0.02%	0.002%
13	3.216	659	661	664	rBV2	1133	666	0.02%	0.003%
14	3.232	664	666	667	rBV2	910	430	0.01%	0.002%
15	3.328	690	696	697	rBV5	1427	1123	0.04%	0.005%
16	3.399	716	718	719	rBV2	1086	456	0.02%	0.002%
17	3.672	800	803	805	rBV3	1288	786	0.03%	0.003%
18	3.711	812	815	816	rBV2	954	513	0.02%	0.002%
19	3.720	816	818	822	rVB3	1898	1451	0.05%	0.006%
20	3.753	822	828	829	rBV4	1356	1078	0.04%	0.005%
21	3.782	835	837	840	rVB3	787	313	0.01%	0.001%
22	3.798	840	842	843	rBV	652	254	0.01%	0.001%
23	3.827	848	851	855	rBV3	1293	1004	0.03%	0.004%
24	3.920	869	880	903	rBV	167688	430624	14.51%	1.812%
25	4.396	1012	1028	1052	rBV	372926	877714	29.58%	3.693%
26	4.595	1089	1090	1093	rBV3	1024	593	0.02%	0.002%
27	4.643	1101	1105	1109	rBV6	1386	1642	0.06%	0.007%
28	4.791	1147	1151	1153	rBV4	1846	1421	0.05%	0.006%
29	4.820	1157	1160	1161	rBV2	1123	621	0.02%	0.003%
30	4.929	1192	1194	1195	rBV	1014	475	0.02%	0.002%
31	4.952	1198	1201	1205	rVB5	936	604	0.02%	0.003%
32	5.023	1221	1223	1224	rBV2	981	443	0.01%	0.002%
33	5.090	1226	1244	1278	rVV2	877930	2217272	74.73%	9.329%
34	5.322	1306	1316	1333	rBV	72670	148172	4.99%	0.623%

LSC Area Percent Report

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Sample : PB125309TB
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : VLEB01

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\SOMVLM120219WMA.M
Title : VOC Analysis

35	5.659	1407	1421	1452	rBV	737102	1458933	49.17%	6.139%
36	5.945	1501	1510	1521	rBV6	18359	34726	1.17%	0.146%
37	6.048	1538	1542	1543	rBV3	1736	1082	0.04%	0.005%
38	6.113	1549	1562	1586	rBV	476537	958878	32.32%	4.035%
39	6.498	1671	1682	1717	rBV	1725355	2967092	100.00%	12.484%
40	6.961	1823	1826	1828	rBV4	1308	982	0.03%	0.004%
41	7.026	1833	1846	1872	rVV	255224	465735	15.70%	1.960%
42	7.222	1897	1907	1918	rBV	205727	340784	11.49%	1.434%
43	7.354	1937	1948	1985	rVB	990190	1769387	59.63%	7.445%
44	7.656	2032	2042	2067	rVB2	230490	415402	14.00%	1.748%
45	7.961	2125	2137	2152	rBV	398393	653414	22.02%	2.749%
46	8.125	2178	2188	2209	rBV2	623231	1110332	37.42%	4.672%
47	8.225	2211	2219	2237	rVB	698951	1085164	36.57%	4.566%
48	8.717	2360	2372	2402	rBV	885590	1401512	47.24%	5.897%
49	8.891	2413	2426	2444	rBV	1149023	1845790	62.21%	7.766%
50	9.421	2583	2591	2602	rBV2	19425	32272	1.09%	0.136%
51	9.582	2631	2641	2653	rBV	110080	175467	5.91%	0.738%
52	9.916	2741	2745	2748	rBV4	1266	1211	0.04%	0.005%
53	10.199	2831	2833	2834	rBV2	1510	576	0.02%	0.002%
54	10.254	2839	2850	2868	rVV	660844	1047905	35.32%	4.409%
55	10.820	3024	3026	3030	rBV4	1231	1042	0.04%	0.004%
56	11.026	3087	3090	3091	rBV3	1298	630	0.02%	0.003%
57	11.106	3113	3115	3119	rVB3	1301	731	0.02%	0.003%
58	11.289	3159	3172	3188	rBV	905942	1386238	46.72%	5.833%
59	11.518	3239	3243	3245	rBV4	1632	1203	0.04%	0.005%
60	11.665	3277	3289	3310	rBV	853671	1367692	46.10%	5.755%
61	12.141	3434	3437	3441	rBV5	1005	708	0.02%	0.003%
62	12.225	3458	3463	3465	rBV5	2151	2007	0.07%	0.008%
63	12.264	3471	3475	3478	rBV4	1184	926	0.03%	0.004%
64	12.344	3498	3500	3502	rVB3	1151	435	0.01%	0.002%
65	12.447	3530	3532	3535	rBV3	1193	608	0.02%	0.003%
66	12.463	3535	3537	3539	rVV3	1362	789	0.03%	0.003%
67	12.495	3543	3547	3550	rBV4	1347	1100	0.04%	0.005%
68	12.691	3601	3608	3610	rBV9	3854	4408	0.15%	0.019%
69	12.874	3663	3665	3666	rBV	934	391	0.01%	0.002%
70	12.945	3682	3687	3688	rBV4	1537	1488	0.05%	0.006%
71	13.498	3856	3859	3862	rBV5	2001	1592	0.05%	0.007%

LSC Area Percent Report

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ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : VLEB01

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\SOMVLM120219WMA.M
Title : VOC Analysis

72	13.736	3932	3933	3936	rBV3	1243	819	0.03%	0.003%
73	13.781	3943	3947	3948	rBV3	2818	1903	0.06%	0.008%
74	13.939	3994	3996	3998	rBV2	1403	775	0.03%	0.003%

Sum of corrected areas: 23766364

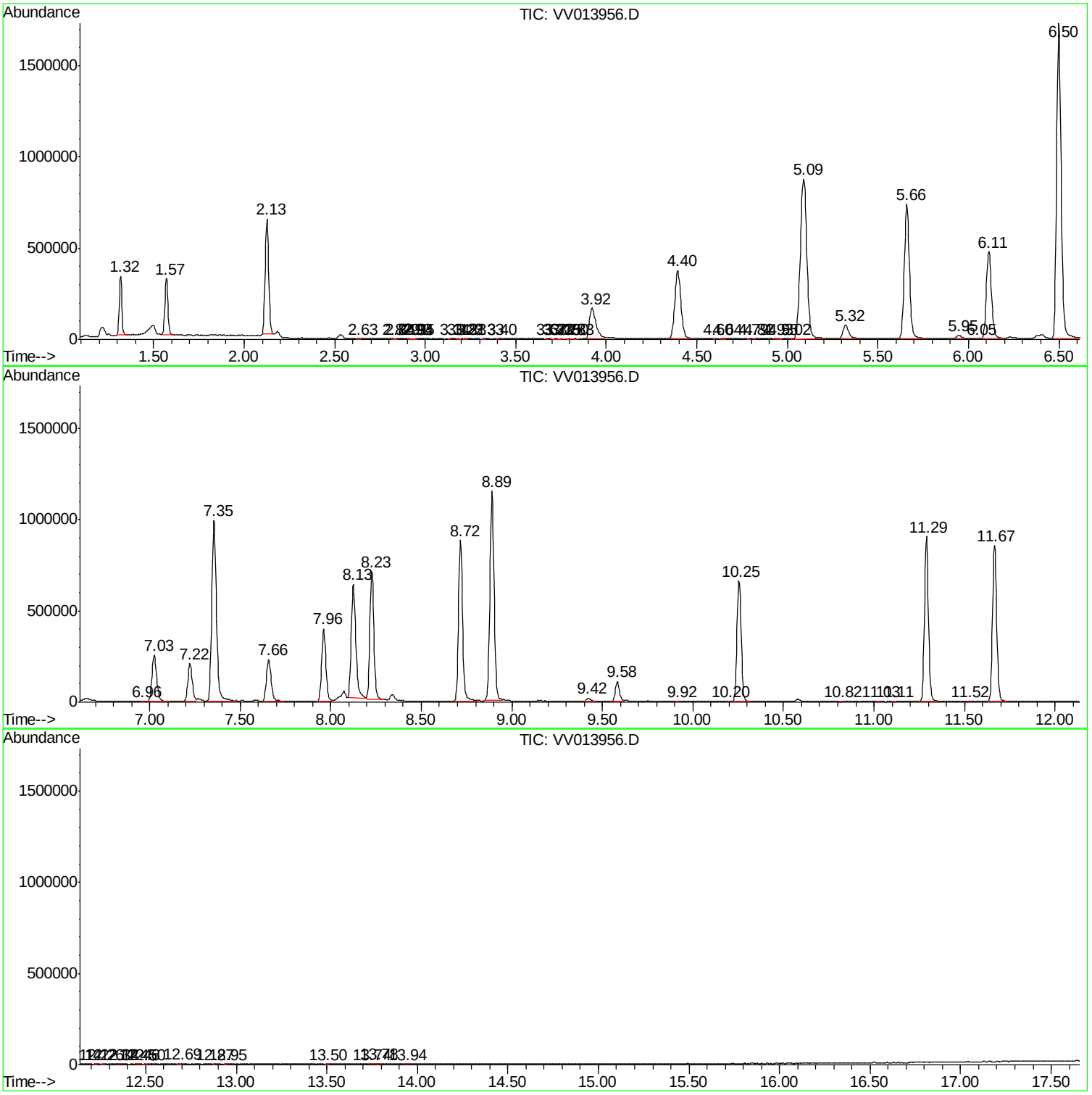
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV120919\
Data File : VV013956.D
Acq On : 09 Dec 2019 12:29
Operator : SY/MD
Sample : PB125309TB
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : VLEB01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM120219WMA.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_V\DATA\VV120919\
Data File : VV013956.D
Acq On : 09 Dec 2019 12:29
Operator : SY/MD
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ClientSampleId : VLEB01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM120219WMA.M
Quant Title : VOC Analysis

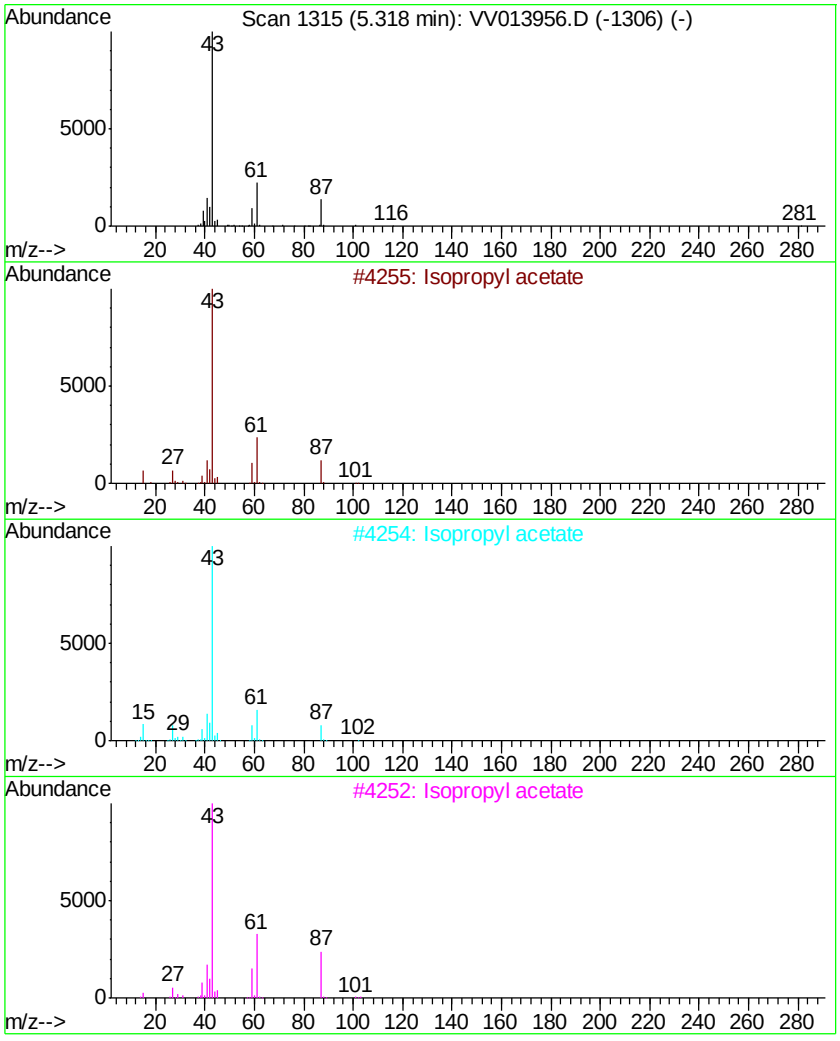
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

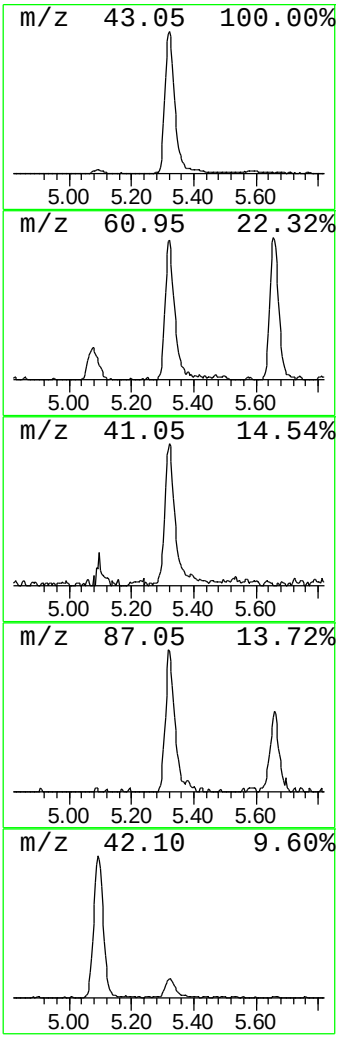
****

Peak Number 1 Isopropyl acetate Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.32	5.08 ug/L	148172	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropyl acetate	102	C5H10O2	000108-21-4	72
2	Isopropyl acetate	102	C5H10O2	000108-21-4	64
3	Isopropyl acetate	102	C5H10O2	000108-21-4	59
4	Propane, 1-(1-methylethoxy)-	102	C6H14O	000627-08-7	37
5	Acetaldehyde, O-ethyloxime-	87	C4H9NO	1000288-34-6	35





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV120919\
Data File : VV013956.D
Acq On : 09 Dec 2019 12:29
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ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : VLEB01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM120219WMA.M
Quant Title : VOC Analysis

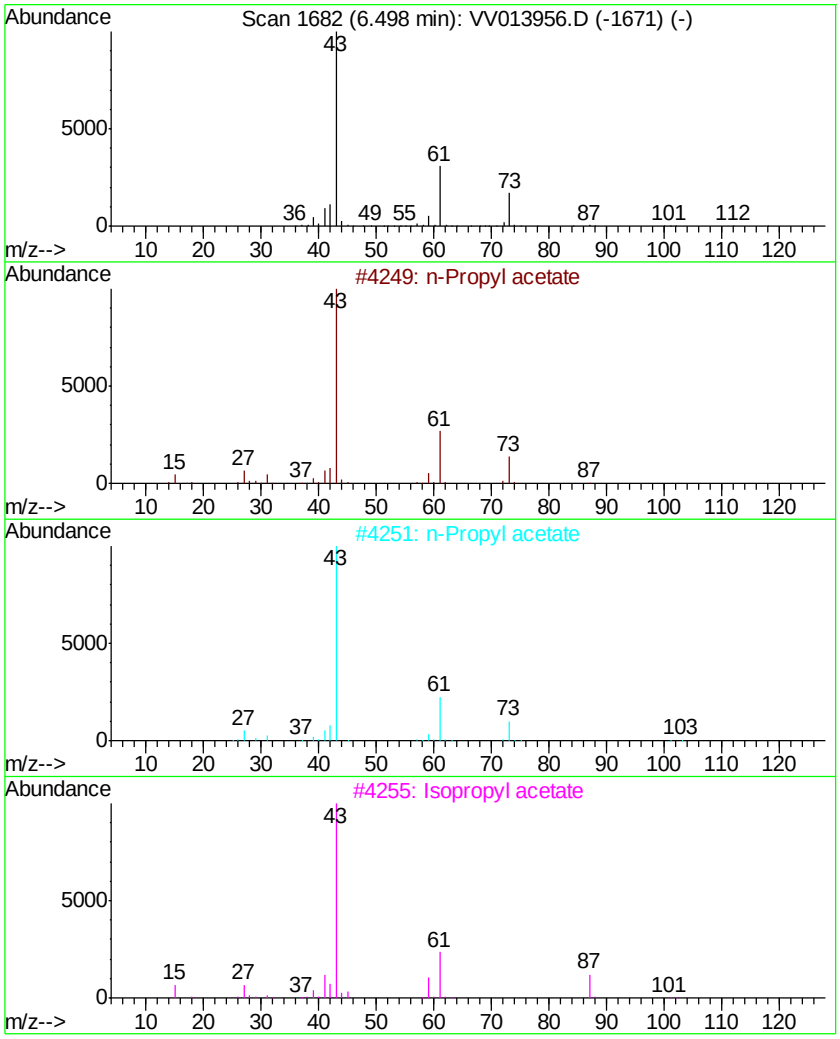
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

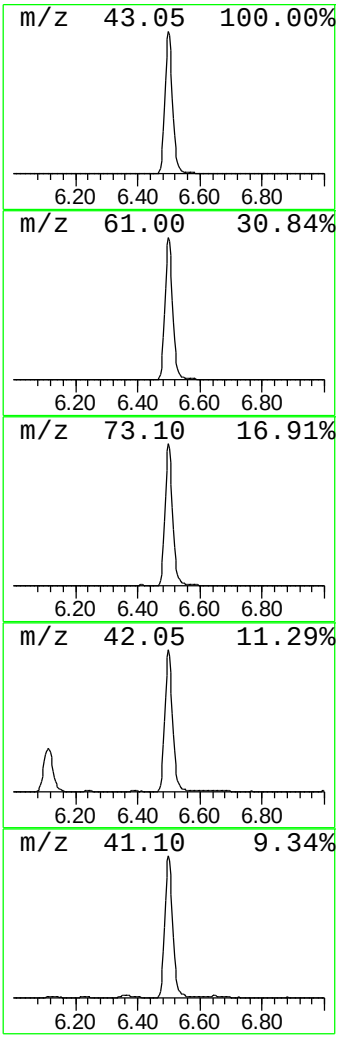
****

Peak Number 2 n-Propyl acetate Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.50	101.69 ug/L	2967090	1,4-Difluorobenzene	5.66

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	Isobutyl acetate	116	C6H12O2	000110-19-0	9
5	n-Propyl acetate	102	C5H10O2	000109-60-4	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV120919\
Data File : VV013956.D
Acq On : 09 Dec 2019 12:29
Operator : SY/MD
Sample : PB125309TB
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : VLEB01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM120219WMA.M
Quant Title : VOC Analysis

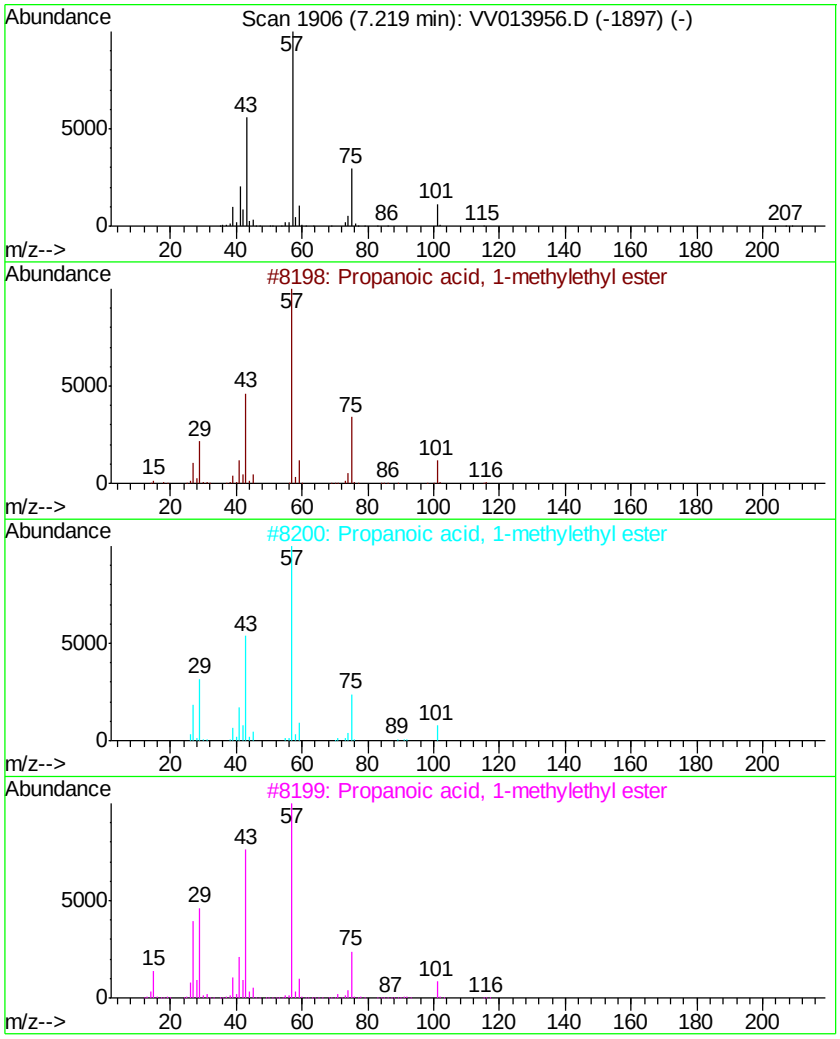
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

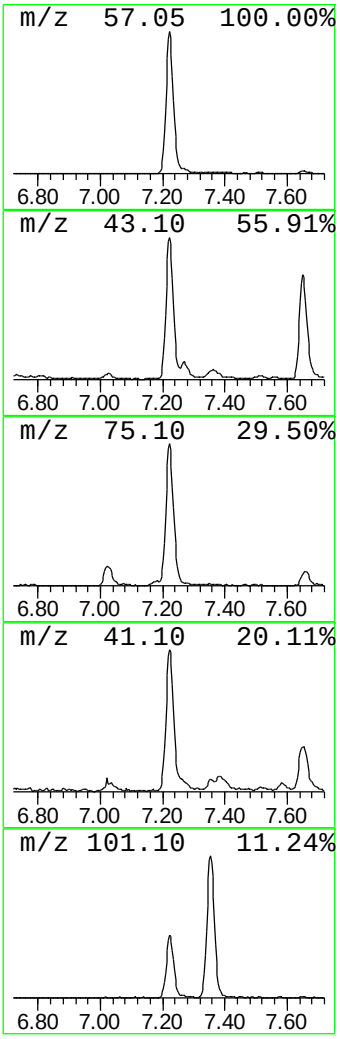
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.22	11.68 ug/L	340784	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, 1-methylethyl ester	116	C6H12O2	000637-78-5	83
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	53
5	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	50





Library Search Compound Report

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Sample : PB125309TB
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : VLEB01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM120219WMA.M
Quant Title : VOC Analysis

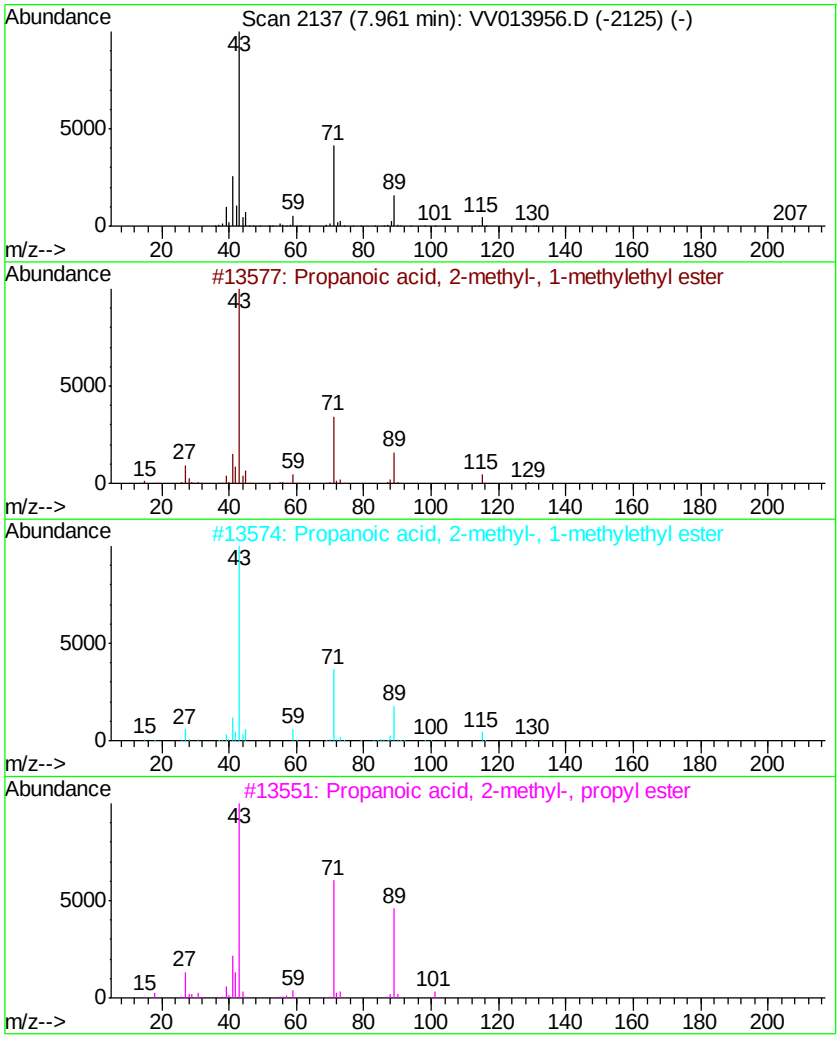
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

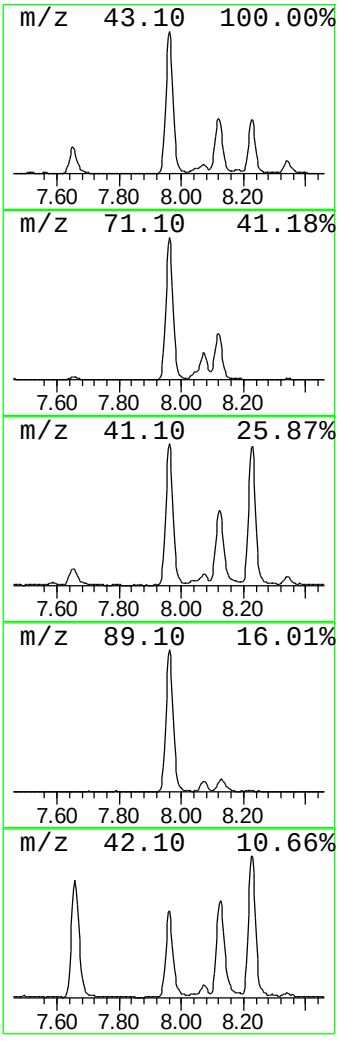
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.96	17.70 ug/L	653414	Chlorobenzene-d5	8.89

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	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	64
5	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV120919\
Data File : VV013956.D
Acq On : 09 Dec 2019 12:29
Operator : SY/MD
Sample : PB125309TB
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : VLEB01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM120219WMA.M
Quant Title : VOC Analysis

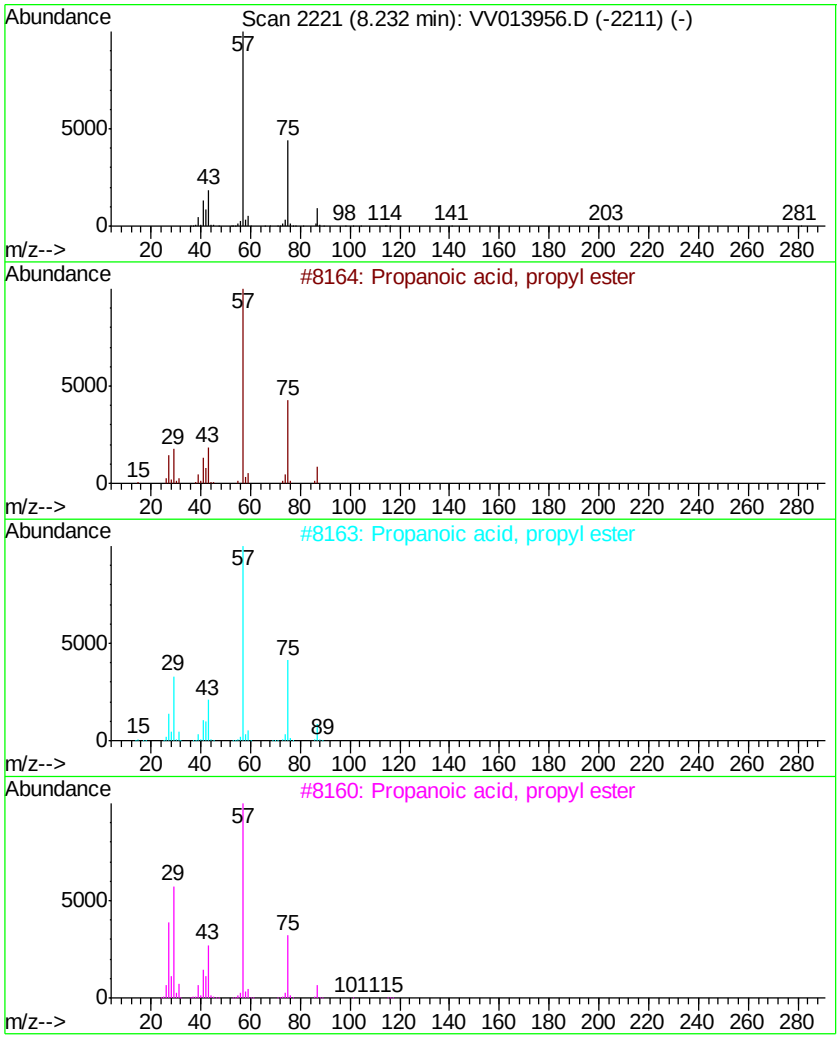
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

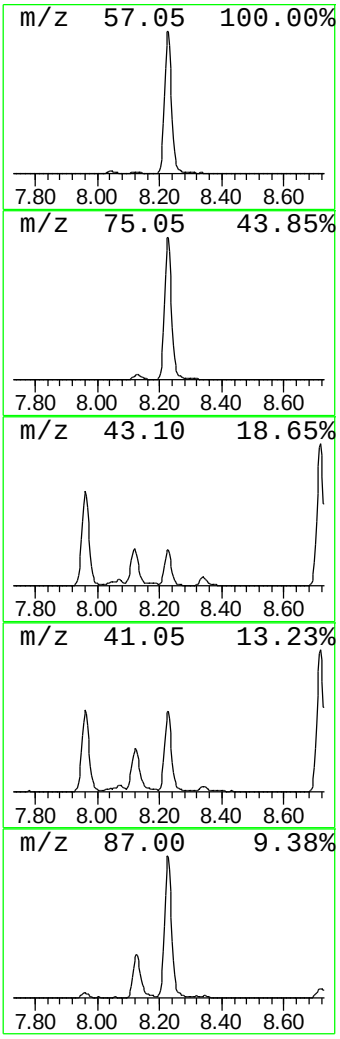
****

Peak Number 6 Propanoic acid, propyl ester Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.23	29.40 ug/L	1085160	Chlorobenzene-d5	8.89

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	72
5	Propanoic acid, butyl ester	130	C7H14O2	000590-01-2	28





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV120919\
Data File : VV013956.D
Acq On : 09 Dec 2019 12:29
Operator : SY/MD
Sample : PB125309TB
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : VLEB01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM120219WMA.M
Quant Title : VOC Analysis

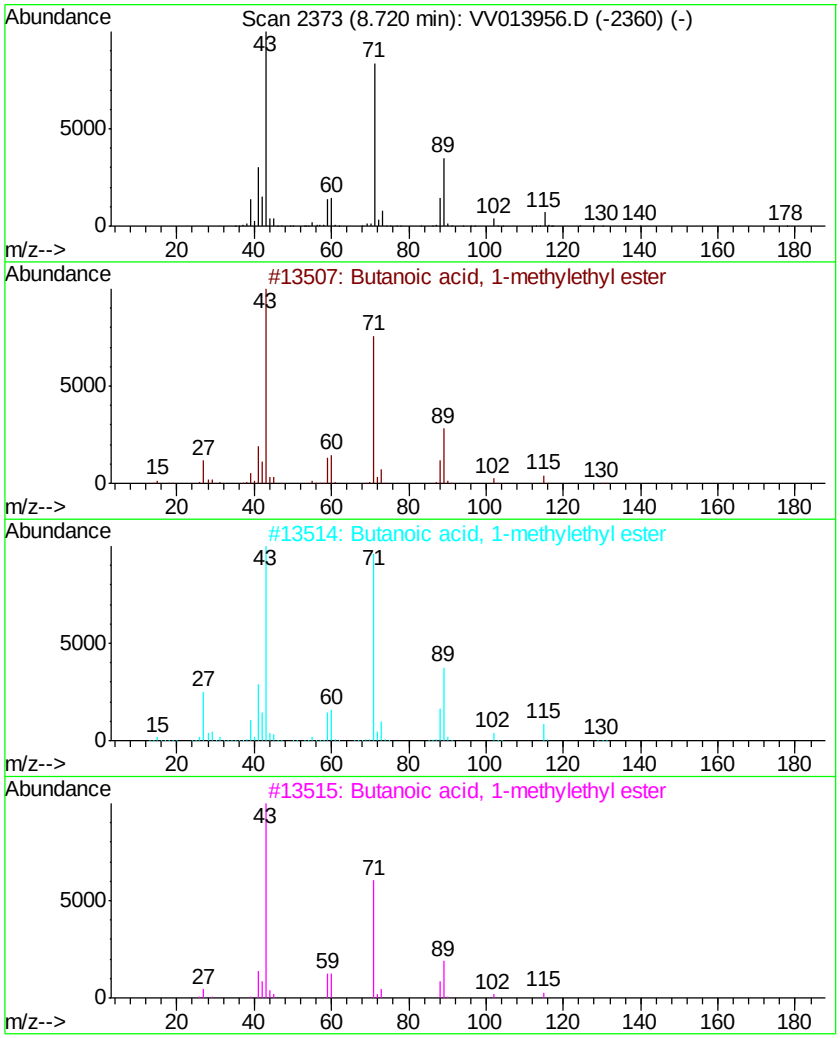
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

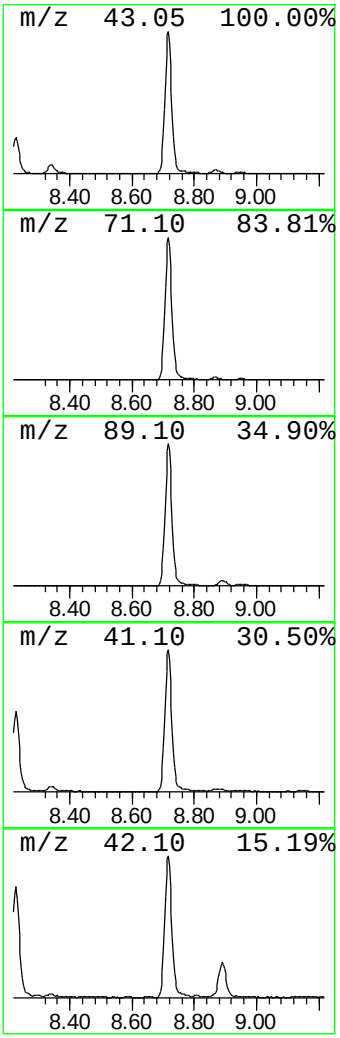
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.72	37.97 ug/L	1401510	Chlorobenzene-d5	8.89

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	78
4	Butanoic acid, propyl ester	130	C7H14O2	000105-66-8	72
5	Propanoic acid, 2-methyl-, penty...	158	C9H18O2	002445-72-9	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV120919\
Data File : VV013956.D
Acq On : 09 Dec 2019 12:29
Operator : SY/MD
Sample : PB125309TB
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : VLEB01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM120219WMA.M
Quant Title : VOC Analysis

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

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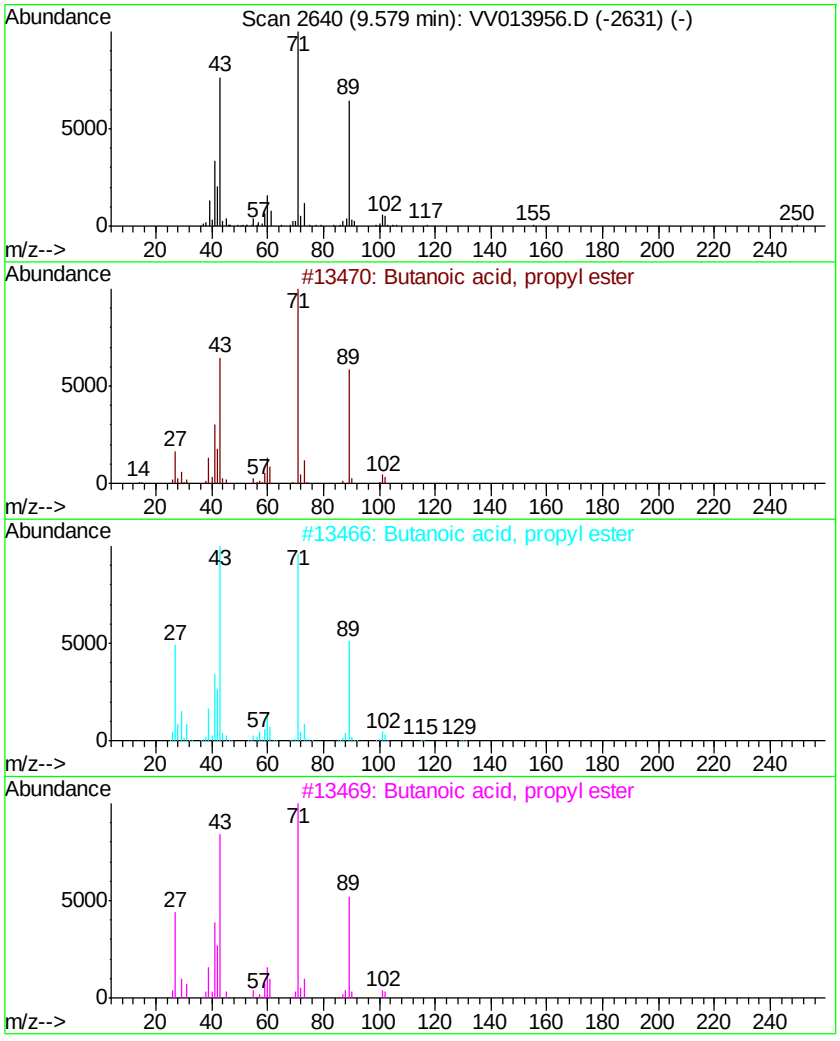
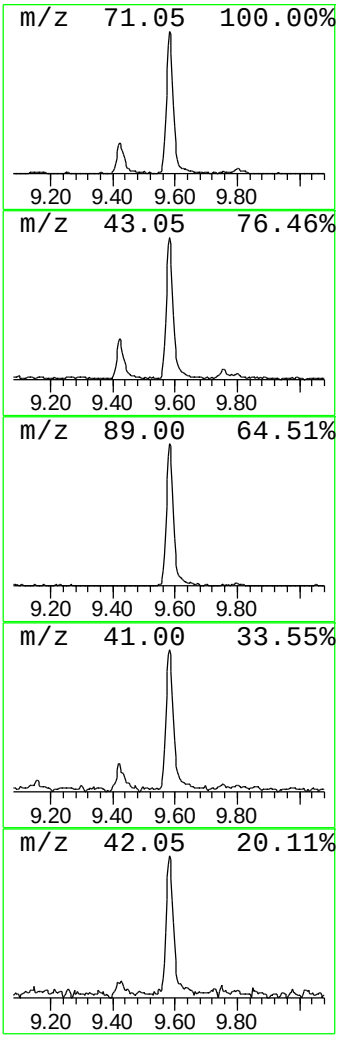
Peak Number 8 Butanoic acid, propyl ester Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.58	4.75 ug/L	175467	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, propyl ester	130	C7H14O2	000105-66-8	90
2	Butanoic acid, propyl ester	130	C7H14O2	000105-66-8	86
3	Butanoic acid, propyl ester	130	C7H14O2	000105-66-8	86
4	Butanoic acid, octyl ester	200	C12H24O2	000110-39-4	72
5	Propanoic acid, 2-methyl-, propy...	130	C7H14O2	000644-49-5	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV120919\
Data File : VV013956.D
Acq On : 09 Dec 2019 12:29
Operator : SY/MD
Sample : PB125309TB
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : VLEB01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM120219WMA.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	5.32	5.1	ug/L	148172	1	5.66	1458930	50.0
n-Propyl acetate	6.50	101.7	ug/L	2967090	1	5.66	1458930	50.0
Propanoic acid, 1...	7.22	11.7	ug/L	340784	1	5.66	1458930	50.0
Propanoic acid, 2...	7.96	17.7	ug/L	653414	2	8.89	1845790	50.0
Propanoic acid, p...	8.23	29.4	ug/L	1085160	2	8.89	1845790	50.0
Butanoic acid, 1-...	8.72	38.0	ug/L	1401510	2	8.89	1845790	50.0
Butanoic acid, pr...	9.58	4.8	ug/L	175467	2	8.89	1845790	50.0