

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092319\
 Data File : VU034758.D
 Acq On : 24 Sep 2019 01:14
 Operator : JC/SP
 Sample : K4932-15
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDM6

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 0 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.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	1.392	87	94	104	rBV	335054	354254	3.31%	0.909%
2	1.466	112	117	128	rBV	24797	26029	0.24%	0.067%
3	1.672	173	181	196	rVB	275495	347848	3.25%	0.893%
4	2.257	354	363	373	rVB	502522	749848	7.00%	1.924%
5	2.550	451	454	455	rBV3	1760	1154	0.01%	0.003%
6	2.608	464	472	479	rBV2	4694	8659	0.08%	0.022%
7	2.682	481	495	530	rBV	5981519	10715504	100.00%	27.498%
8	3.122	628	632	636	rVB7	2366	2382	0.02%	0.006%
9	3.164	636	645	650	rBV10	4686	8022	0.07%	0.021%
10	3.232	664	666	672	rBV6	1324	1215	0.01%	0.003%
11	3.357	703	705	707	rBV3	1258	642	0.01%	0.002%
12	3.608	780	783	788	rVB5	1882	1411	0.01%	0.004%
13	3.743	823	825	828	rVB3	943	456	0.00%	0.001%
14	3.759	828	830	837	rVB5	1873	1646	0.02%	0.004%
15	3.785	837	838	841	rBV2	801	431	0.00%	0.001%
16	3.804	841	844	848	rBV4	1345	939	0.01%	0.002%
17	3.865	858	863	865	rBV4	1361	1136	0.01%	0.003%
18	3.936	880	885	887	rBV4	1634	1459	0.01%	0.004%
19	3.949	887	889	893	rBV4	838	580	0.01%	0.001%
20	3.971	893	896	897	rBV4	882	491	0.00%	0.001%
21	3.984	897	900	901	rBV3	1248	735	0.01%	0.002%
22	4.048	918	920	925	rBV4	740	584	0.01%	0.001%
23	4.071	925	927	929	rBV2	769	432	0.00%	0.001%
24	4.087	929	932	933	rBV2	1347	523	0.00%	0.001%
25	4.151	939	952	979	rBV	252444	680664	6.35%	1.747%
26	4.354	1013	1015	1018	rBV4	1285	947	0.01%	0.002%
27	4.479	1052	1054	1059	rVB3	1308	764	0.01%	0.002%
28	4.518	1063	1066	1068	rVB4	1488	891	0.01%	0.002%
29	4.543	1071	1074	1076	rBV4	1586	747	0.01%	0.002%
30	4.621	1082	1098	1121	rBV	398250	947384	8.84%	2.431%
31	4.849	1163	1169	1170	rBV4	1805	1719	0.02%	0.004%
32	4.942	1196	1198	1202	rVB3	1051	598	0.01%	0.002%
33	4.971	1205	1207	1210	rBV4	1159	525	0.00%	0.001%
34	5.039	1223	1228	1230	rBV4	1240	1126	0.01%	0.003%

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 Title : VOC Analysis

35	5.077	1237	1240	1241	rBV3	1433	637	0.01%	0.002%
36	5.116	1247	1252	1255	rBV6	1452	1480	0.01%	0.004%
37	5.145	1258	1261	1263	rVB4	951	505	0.00%	0.001%
38	5.164	1263	1267	1270	rBV4	1277	1199	0.01%	0.003%
39	5.183	1271	1273	1278	rVB5	1165	1006	0.01%	0.003%
40	5.222	1281	1285	1287	rBV5	871	649	0.01%	0.002%
41	5.315	1289	1314	1345	rBV2	820813	2480886	23.15%	6.366%
42	5.527	1369	1380	1408	rBV	97880	221142	2.06%	0.567%
43	5.711	1433	1437	1438	rBV4	1157	712	0.01%	0.002%
44	5.723	1438	1441	1445	rVB7	2116	1667	0.02%	0.004%
45	5.743	1445	1447	1451	rVB4	2036	1374	0.01%	0.004%
46	5.768	1452	1455	1460	rBV6	2618	2875	0.03%	0.007%
47	5.862	1471	1484	1503	rBV	659865	1367749	12.76%	3.510%
48	6.305	1610	1622	1643	rVB	571803	1140007	10.64%	2.925%
49	6.682	1727	1739	1777	rBV	2235195	4109202	38.35%	10.545%
50	7.206	1890	1902	1919	rBV	328010	603454	5.63%	1.549%
51	7.399	1951	1962	1973	rBV	260775	439924	4.11%	1.129%
52	7.543	1994	2007	2025	rBV	1136715	2054946	19.18%	5.273%
53	7.826	2084	2095	2118	rBV2	308317	568480	5.31%	1.459%
54	8.064	2167	2169	2171	rBV3	1127	488	0.00%	0.001%
55	8.132	2178	2190	2206	rBV	480283	803339	7.50%	2.061%
56	8.212	2209	2215	2216	rBV3	19191	17871	0.17%	0.046%
57	8.289	2229	2239	2262	rVB	986455	1703724	15.90%	4.372%
58	8.395	2262	2272	2286	rBV	777585	1218315	11.37%	3.126%
59	8.508	2301	2307	2323	rVB3	43727	76406	0.71%	0.196%
60	8.707	2367	2369	2372	rBV3	2154	1268	0.01%	0.003%
61	8.723	2372	2374	2376	rBV	1047	681	0.01%	0.002%
62	8.884	2411	2424	2443	rBV	989510	1600063	14.93%	4.106%
63	9.067	2463	2481	2509	rBV	984541	1701168	15.88%	4.365%
64	9.280	2545	2547	2549	rBV3	1457	802	0.01%	0.002%
65	9.357	2556	2571	2583	rVB5	20020	39608	0.37%	0.102%
66	9.428	2591	2593	2597	rVB3	2121	1107	0.01%	0.003%
67	9.514	2617	2620	2622	rBV3	908	657	0.01%	0.002%
68	9.585	2632	2642	2657	rBV3	22883	45626	0.43%	0.117%
69	9.685	2670	2673	2677	rBV3	1100	826	0.01%	0.002%
70	9.746	2681	2692	2709	rBV3	127985	238754	2.23%	0.613%
71	9.881	2731	2734	2736	rBV3	2011	1168	0.01%	0.003%

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72	9.913	2740	2744	2746	rBV3	3286	3008	0.03%	0.008%
73	10.019	2769	2777	2784	rBV8	3981	6859	0.06%	0.018%
74	10.305	2862	2866	2870	rBV6	1234	1081	0.01%	0.003%
75	10.354	2878	2881	2885	rBV6	1733	1640	0.02%	0.004%
76	10.408	2885	2898	2922	rVV	751023	1218599	11.37%	3.127%
77	10.514	2928	2931	2933	rBV3	2014	1057	0.01%	0.003%
78	10.662	2972	2977	2981	rBV5	4508	5329	0.05%	0.014%
79	10.730	2996	2998	2999	rBV2	1504	663	0.01%	0.002%
80	10.752	3001	3005	3016	rVB6	6963	7820	0.07%	0.020%
81	10.813	3021	3024	3026	rBV4	1755	1253	0.01%	0.003%
82	10.871	3040	3042	3044	rBV2	801	397	0.00%	0.001%
83	10.884	3044	3046	3047	rBV2	1082	444	0.00%	0.001%
84	10.952	3059	3067	3073	rBV8	7198	10373	0.10%	0.027%
85	11.054	3095	3099	3102	rBV5	1938	1705	0.02%	0.004%
86	11.125	3113	3121	3134	rBV2	19158	32176	0.30%	0.083%
87	11.228	3151	3153	3155	rBV3	1031	568	0.01%	0.001%
88	11.296	3171	3174	3179	rBV7	1774	1678	0.02%	0.004%
89	11.460	3214	3225	3246	rBV	915503	1502289	14.02%	3.855%
90	11.739	3307	3312	3321	rBV8	7263	11171	0.10%	0.029%
91	11.836	3331	3342	3366	rBV	1031046	1698160	15.85%	4.358%
92	12.398	3515	3517	3520	rVB2	1989	1029	0.01%	0.003%
93	12.427	3524	3526	3530	rBV3	1368	935	0.01%	0.002%
94	12.456	3532	3535	3538	rBV4	3038	2651	0.02%	0.007%
95	12.681	3602	3605	3615	rBV8	3850	4434	0.04%	0.011%
96	12.916	3676	3678	3681	rBV4	1505	661	0.01%	0.002%
97	13.730	3921	3931	3948	rBV	39186	93437	0.87%	0.240%
98	14.128	4052	4055	4061	rBV8	2638	3131	0.03%	0.008%
99	14.524	4176	4178	4185	rBV6	2150	1657	0.02%	0.004%
100	15.048	4334	4341	4356	rVB3	22610	43087	0.40%	0.111%

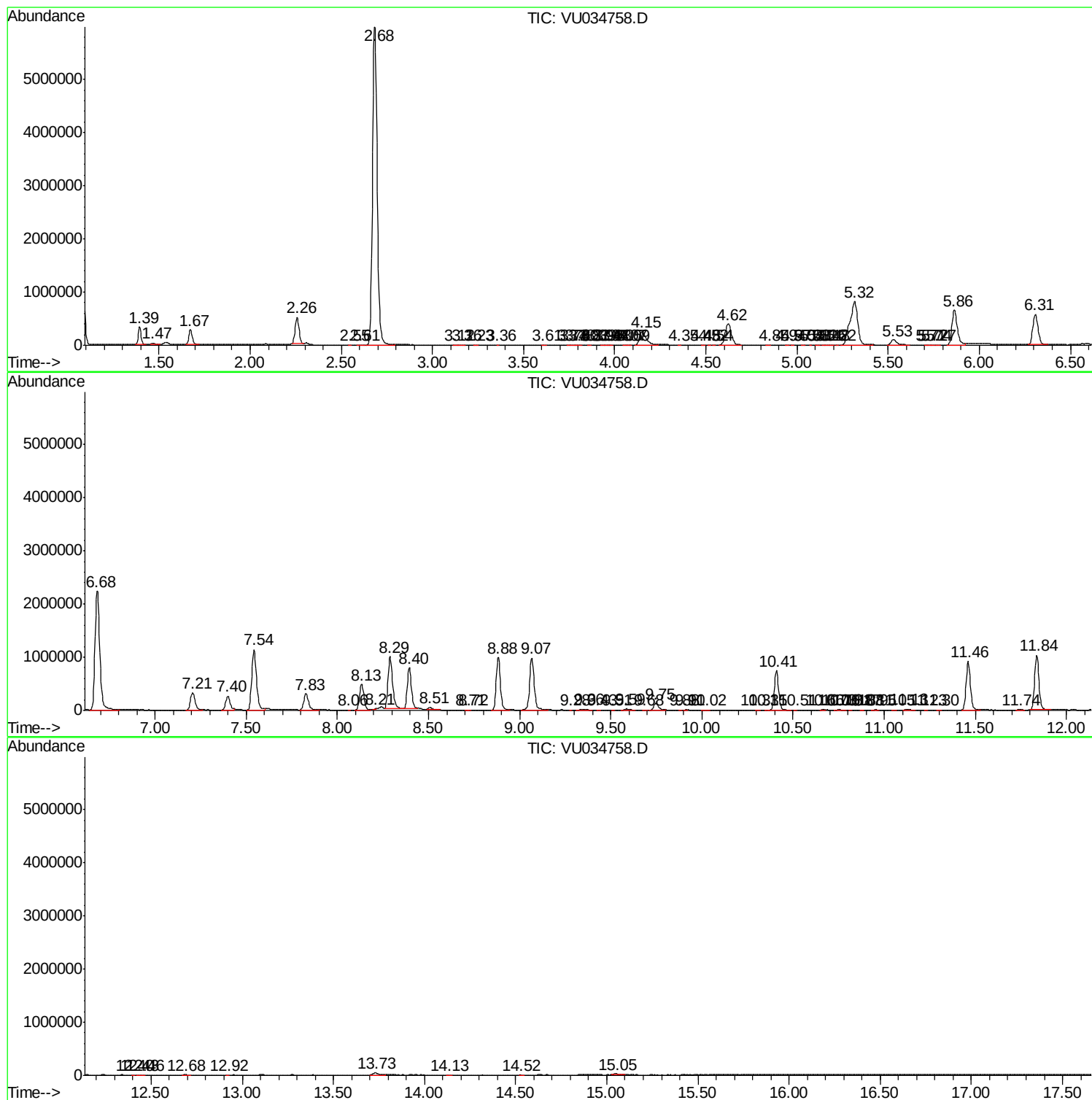
Sum of corrected areas: 38968802

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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



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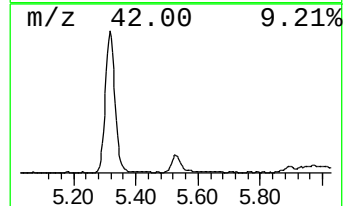
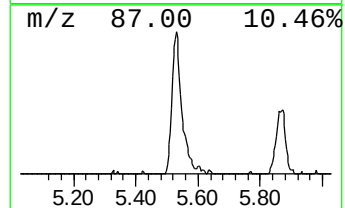
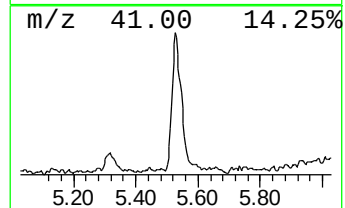
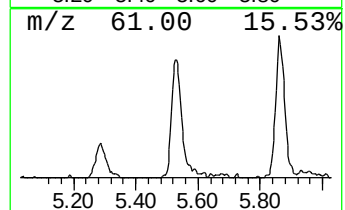
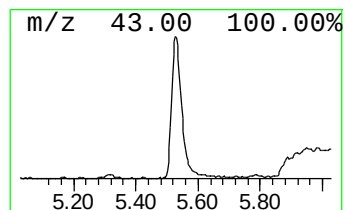
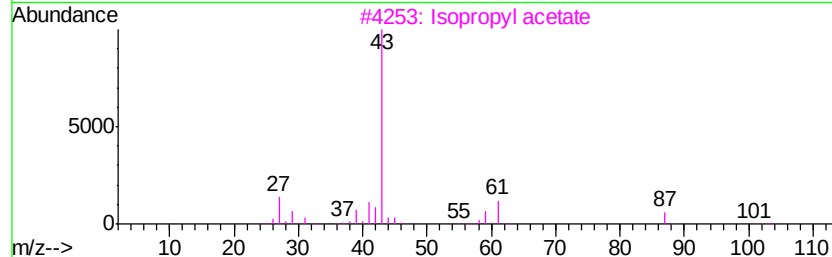
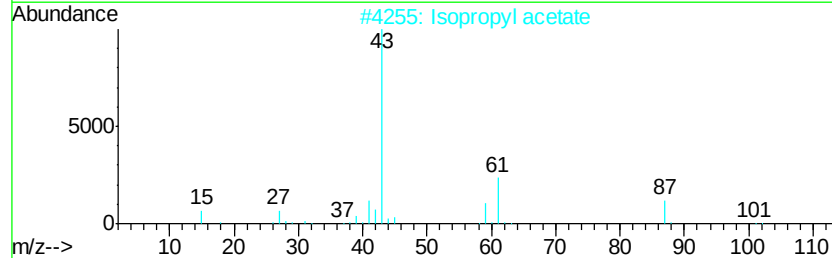
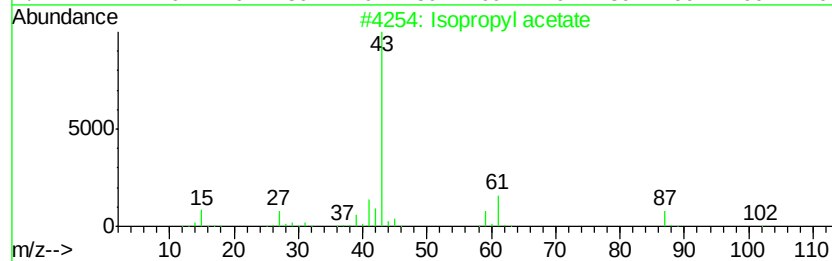
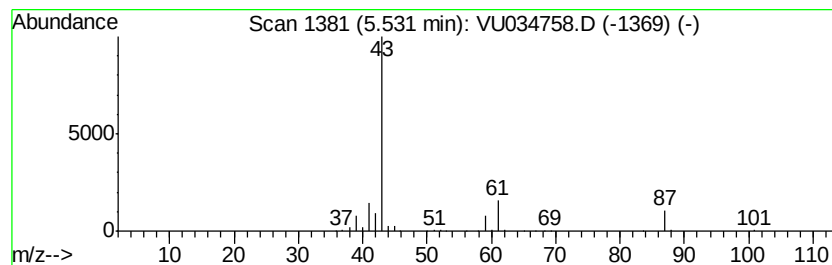
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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.
5.53	8.08 ug/L	221142	1,4-Difluorobenzene	5.86

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropyl acetate		102	C5H10O2	000108-21-4	59
2	Isopropyl acetate		102	C5H10O2	000108-21-4	56
3	Isopropyl acetate		102	C5H10O2	000108-21-4	50
4	Thiocyanic acid, ethyl ester		87	C3H5NS	000542-90-5	10
5	n-Propyl acetate		102	C5H10O2	000109-60-4	9



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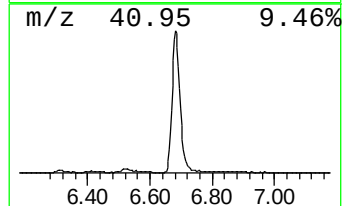
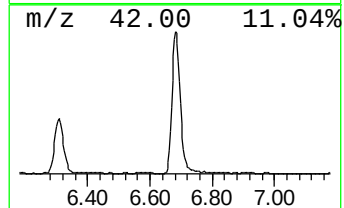
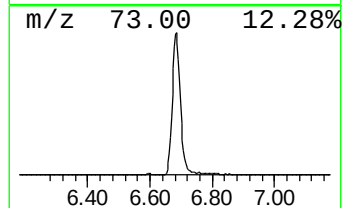
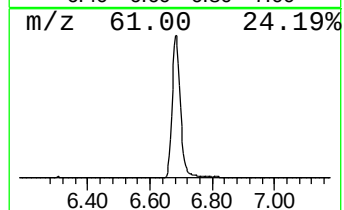
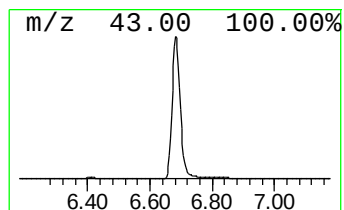
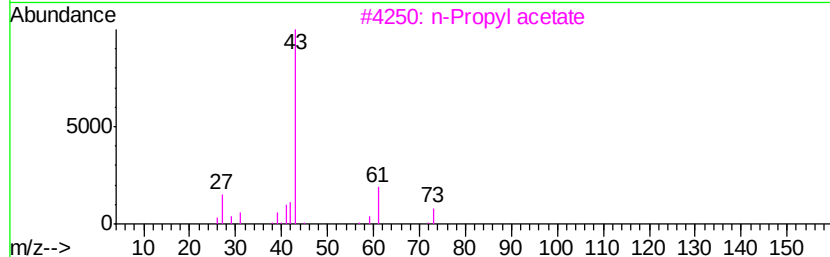
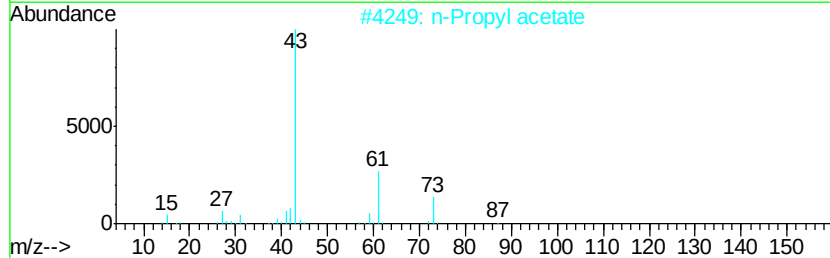
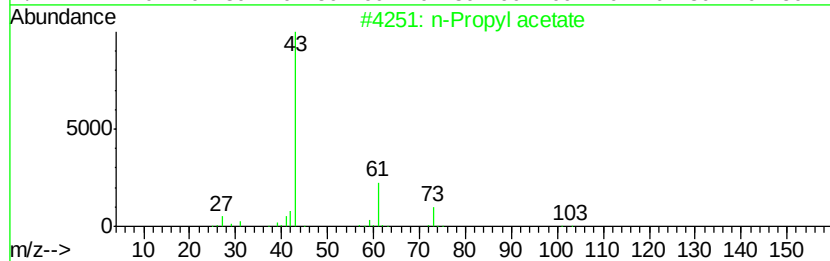
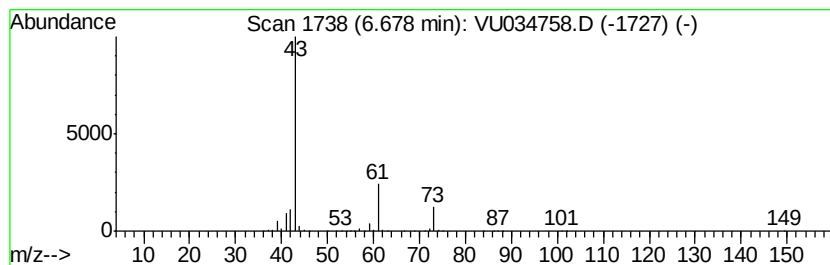
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Quant Title : VOC Analysis

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.
6.68	150.22 ug/L	4109200	1,4-Difluorobenzene	5.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	n-Propyl acetate	102	C5H10O2	000109-60-4	83
2		n-Propyl acetate	102	C5H10O2	000109-60-4	83
3		n-Propyl acetate	102	C5H10O2	000109-60-4	78
4		Isopropyl acetate	102	C5H10O2	000108-21-4	38
5		1-Butanamine	73	C4H11N	000109-73-9	7



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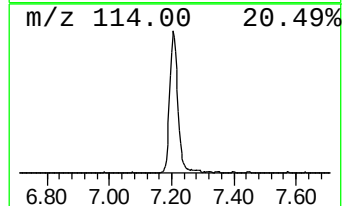
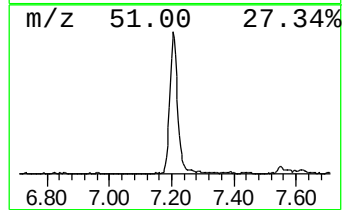
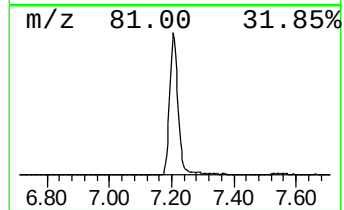
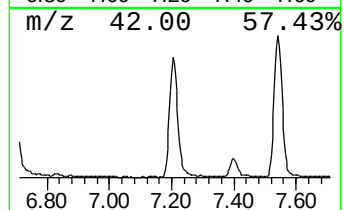
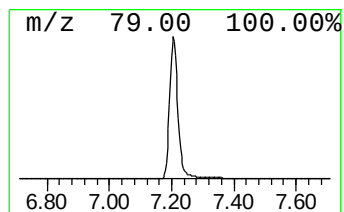
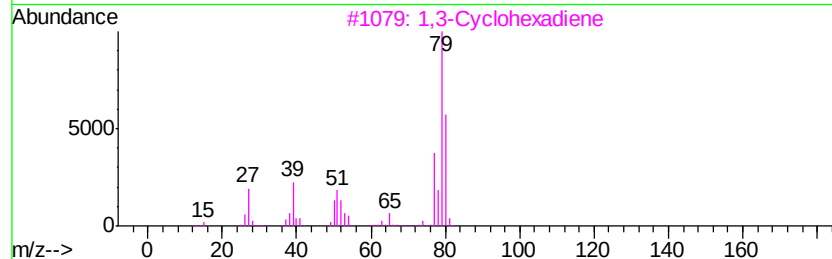
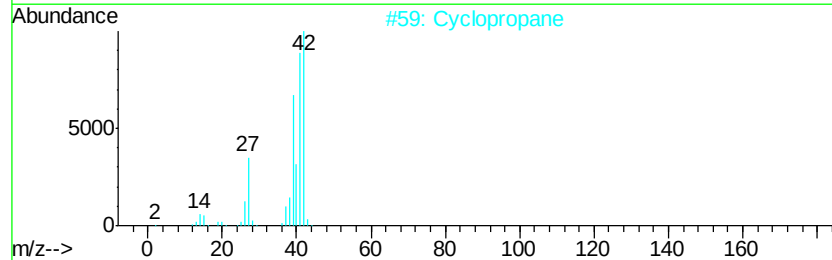
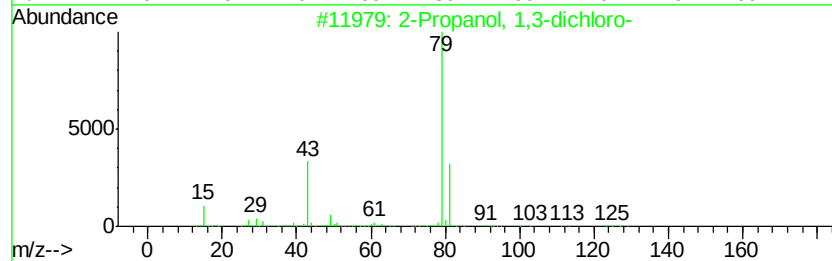
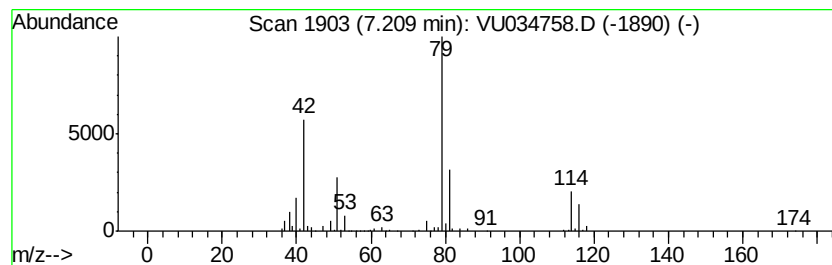
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Quant Title : VOC Analysis

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Peak Number 3 unknown-01 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.21	22.06 ug/L	603454	1,4-Difluorobenzene	5.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Propanol, 1,3-dichloro-	128	C3H6Cl2O	000096-23-1	17
2		Cyclopropane	42	C3H6	000075-19-4	10
3		1,3-Cyclohexadiene	80	C6H8	000592-57-4	9
4		1,4-Cyclohexadiene	80	C6H8	000628-41-1	9
5		1,3,5-Hexatriene	80	C6H8	002235-12-3	9



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092319\
Data File : VU034758.D
Acq On : 24 Sep 2019 01:14
Operator : JC/SP
Sample : K4932-15
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDM6

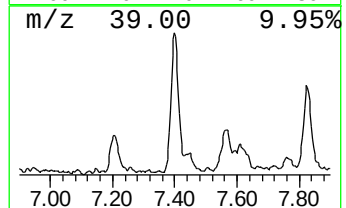
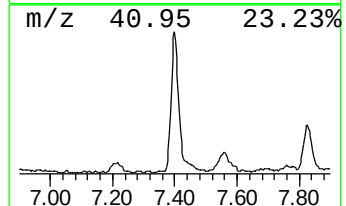
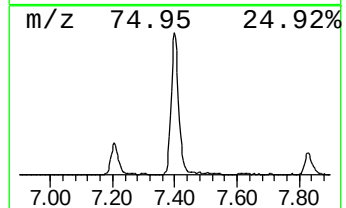
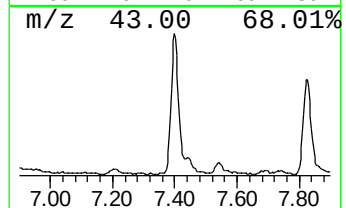
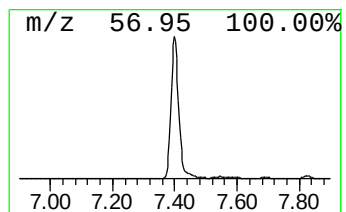
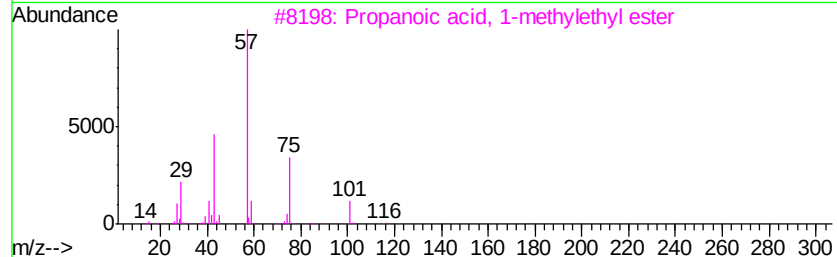
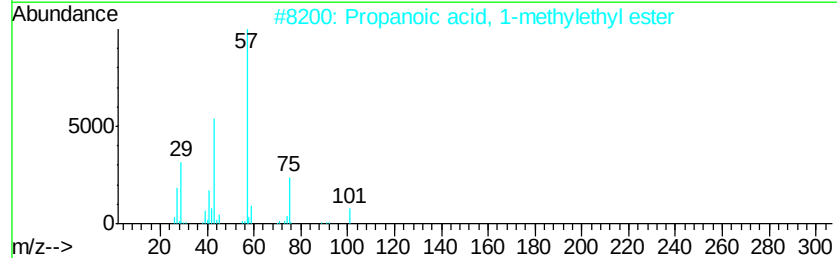
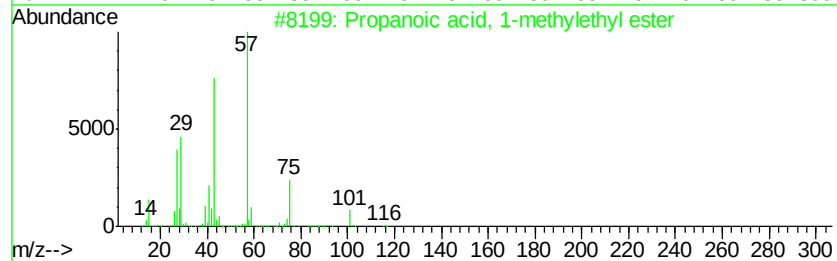
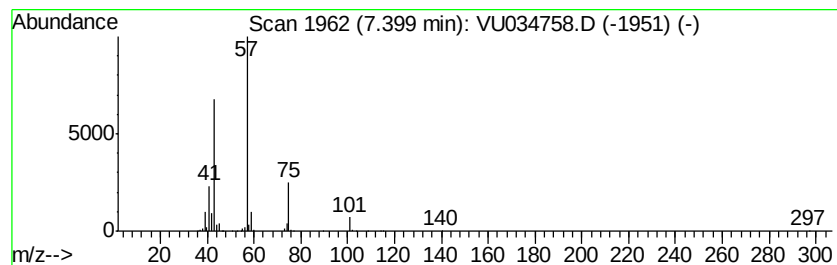
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Quant Title : VOC Analysis

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.
7.40	16.08 ug/L	439924	1,4-Difluorobenzene	5.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	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	56
4		Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	42
5		Propanoic acid, 1-methylethyl ester	116	C6H12O2	000637-78-5	33



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092319\
Data File : VU034758.D
Acq On : 24 Sep 2019 01:14
Operator : JC/SP
Sample : K4932-15
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFD6M6

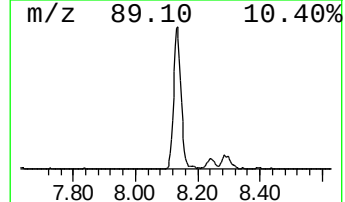
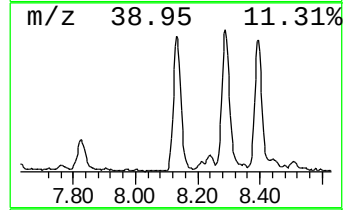
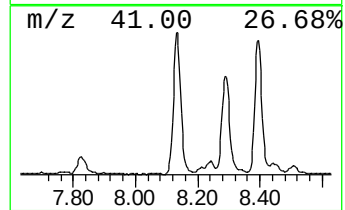
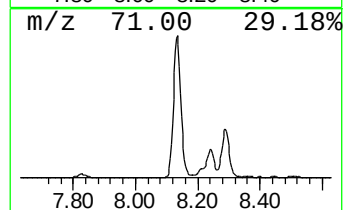
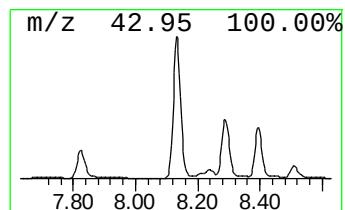
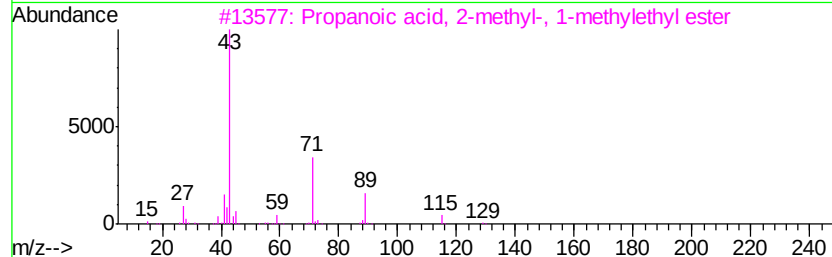
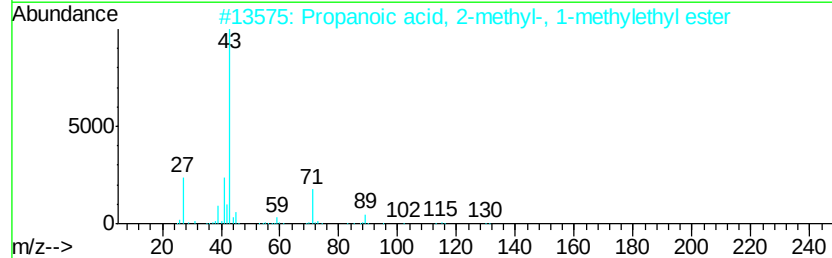
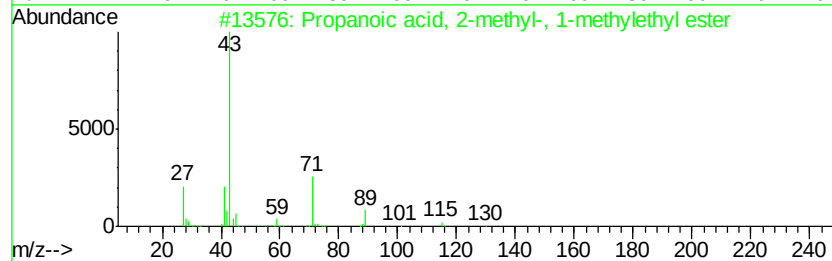
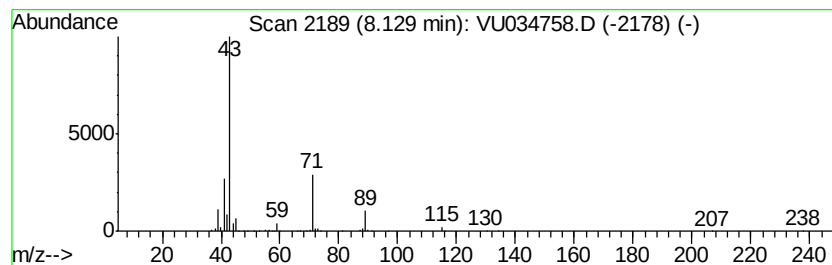
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Quant Title : VOC Analysis

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.
8.13	23.61 ug/L	803339	Chlorobenzene-d5	9.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	83
2		Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	59
3		Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	59
4		N-Hydroxymethylacetamide	89	C3H7NO2	000625-51-4	45
5		Propanoic acid, 2-methyl-, penty...	158	C9H18O2	002445-72-9	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092319\
Data File : VU034758.D
Acq On : 24 Sep 2019 01:14
Operator : JC/SP
Sample : K4932-15
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
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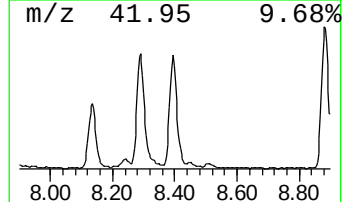
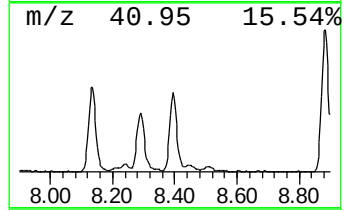
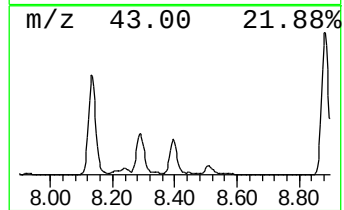
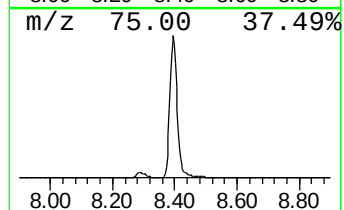
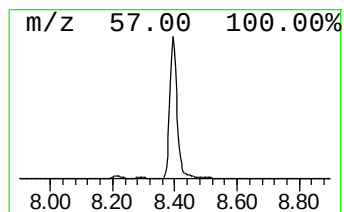
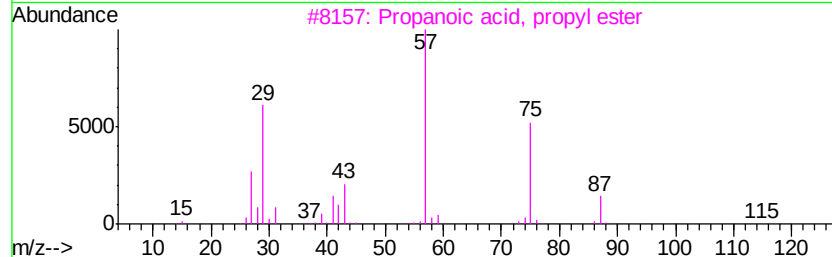
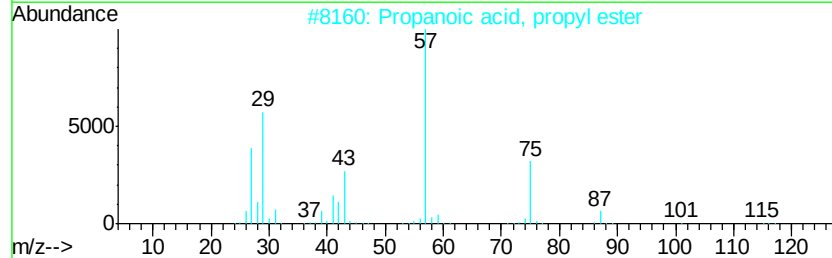
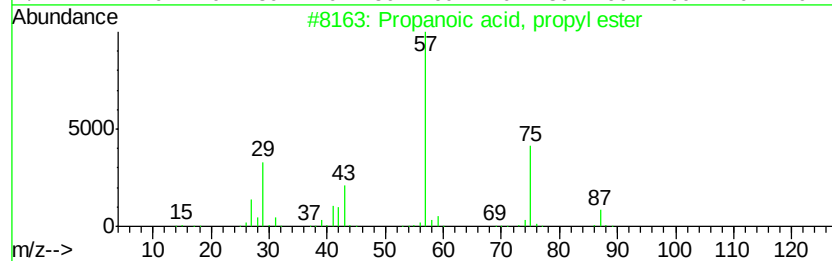
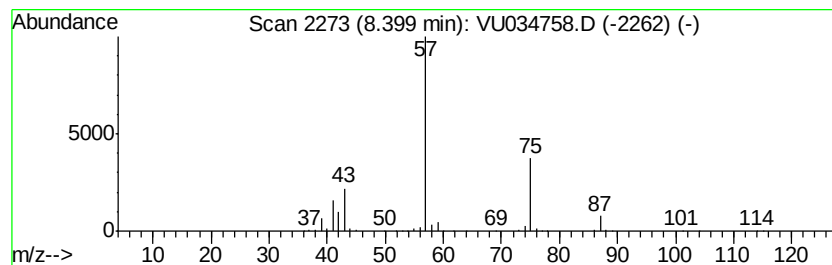
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Quant Title : VOC Analysis

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.
8.40	35.81 ug/L	1218320	Chlorobenzene-d5	9.07

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	78
4			Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	72
5			Propanoic acid, butyl ester	130	C7H14O2	000590-01-2	33



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092319\
Data File : VU034758.D
Acq On : 24 Sep 2019 01:14
Operator : JC/SP
Sample : K4932-15
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 35 Sample Multiplier: 1

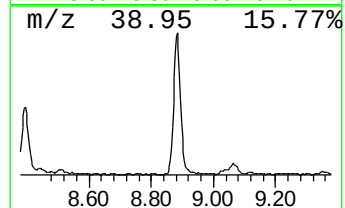
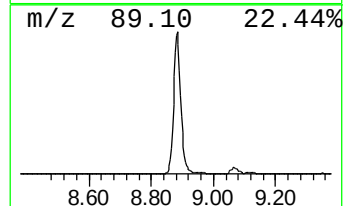
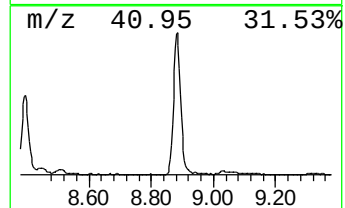
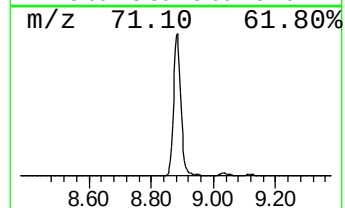
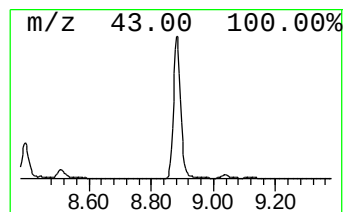
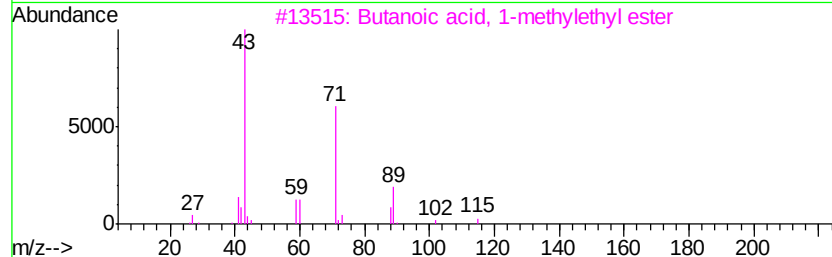
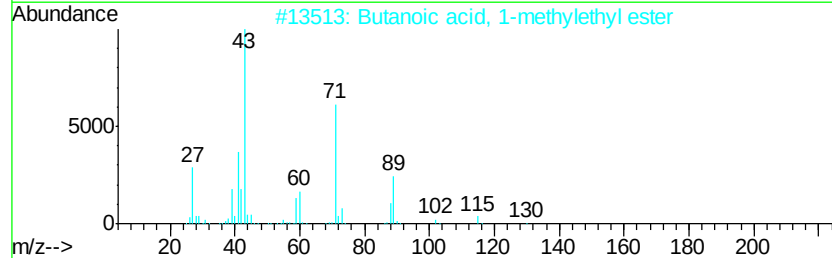
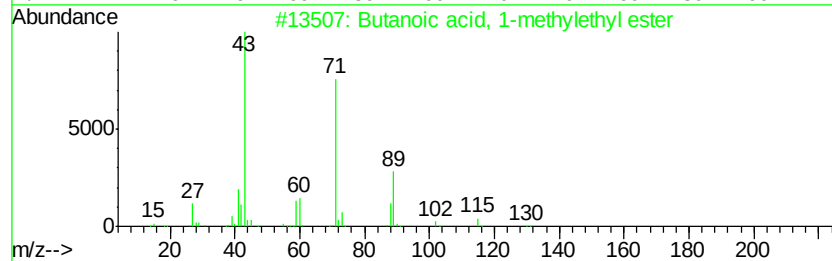
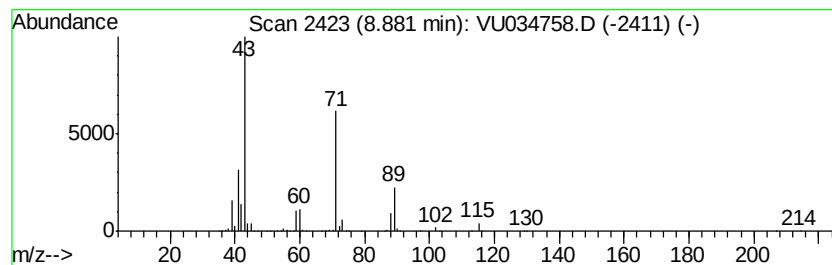
Instrument :
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ClientSampleId :
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Quant Title : VOC Analysis

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.		
8.88	47.03 ug/L	1600060	Chlorobenzene-d5	9.07		
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	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	72	
5	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	72	



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092319\
Data File : VU034758.D
Acq On : 24 Sep 2019 01:14
Operator : JC/SP
Sample : K4932-15
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDM6

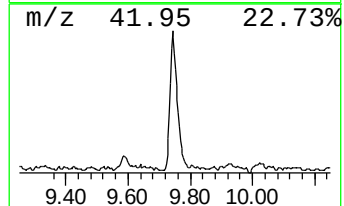
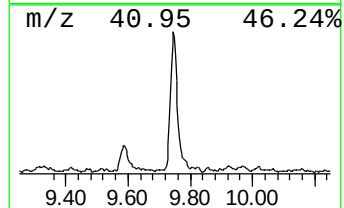
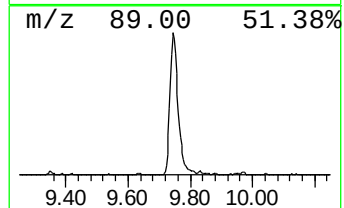
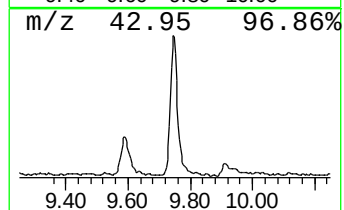
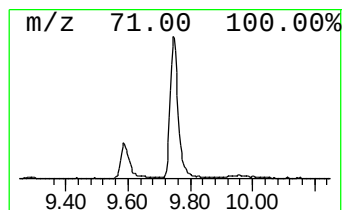
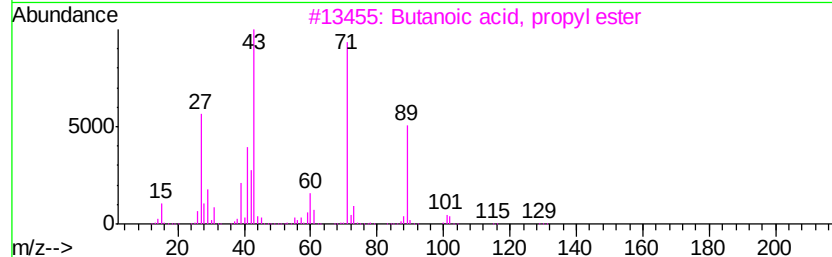
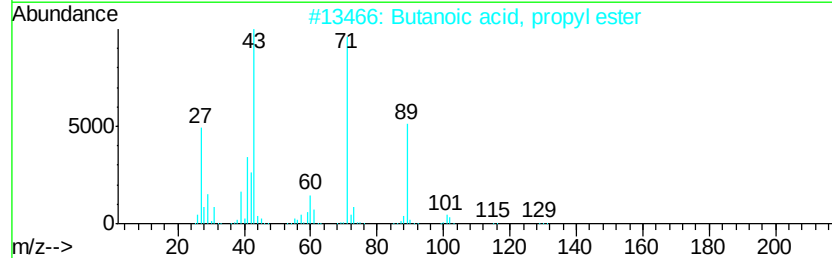
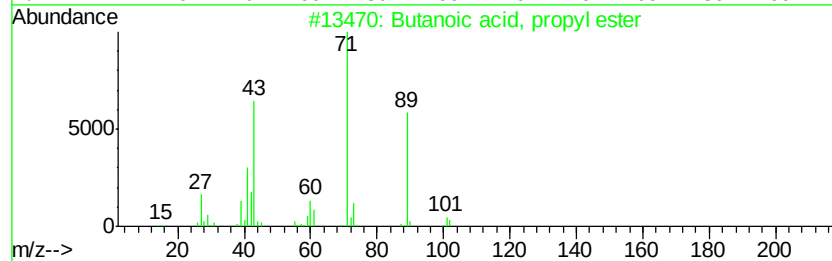
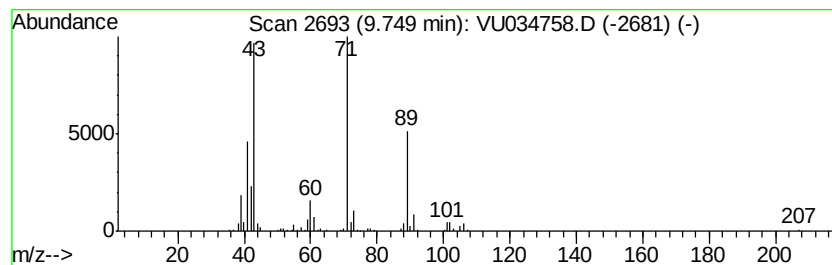
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Quant Title : VOC Analysis

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.
9.75	7.02 ug/L	238754	Chlorobenzene-d5	9.07

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	90
3			Butanoic acid, propyl ester	130	C7H14O2	000105-66-8	90
4			Butanoic acid, propyl ester	130	C7H14O2	000105-66-8	83
5			Butanoic acid, hexyl ester	172	C10H20O2	002639-63-6	78



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092319\
Data File : VU034758.D
Acq On : 24 Sep 2019 01:14
Operator : JC/SP
Sample : K4932-15
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
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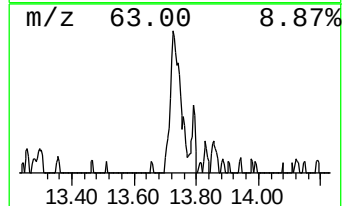
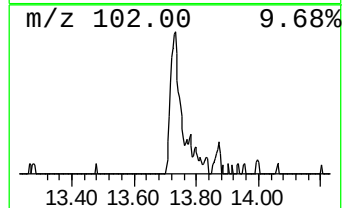
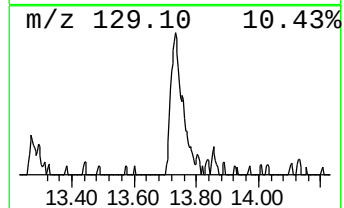
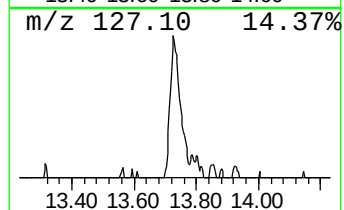
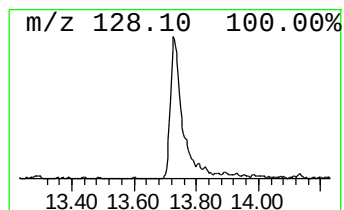
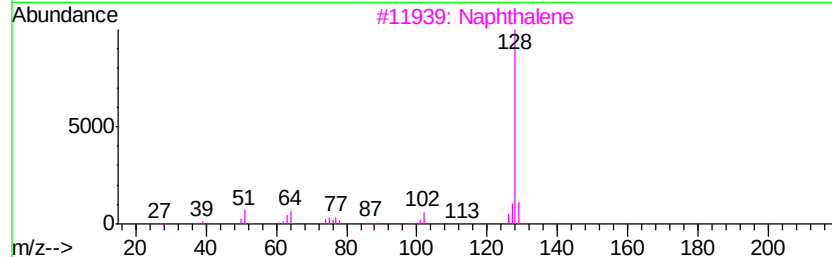
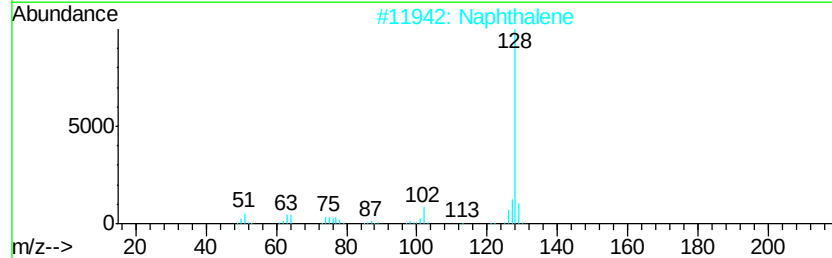
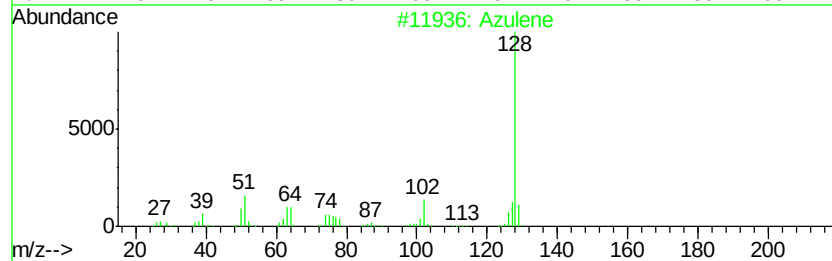
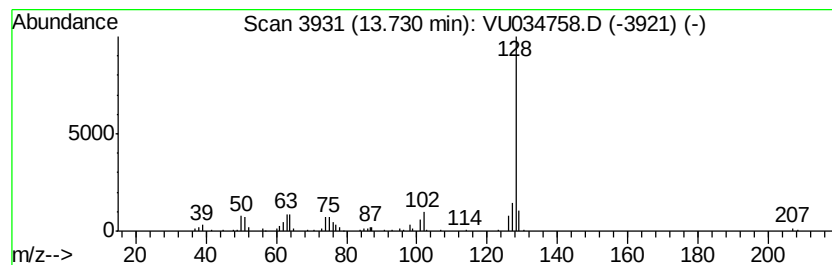
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Quant Title : VOC Analysis

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

Peak Number 9 Azulene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.73	3.11 ug/L	93437	1,4-Dichlorobenzene-d4	11.46

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Azulene		128	C10H8	000275-51-4	94
2	Naphthalene		128	C10H8	000091-20-3	91
3	Naphthalene		128	C10H8	000091-20-3	90
4	Azulene		128	C10H8	000275-51-4	90
5	1H-Indene, 1-methylene-		128	C10H8	002471-84-3	87



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034758.D
Acq On : 24 Sep 2019 01:14
Operator : JC/SP
Sample : K4932-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDM6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
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n-Propyl acetate	6.68	150.2	ug/L	4109200	1	5.86	1367750	50.0
unknown-01	7.21	22.1	ug/L	603454	1	5.86	1367750	50.0
Propanoic acid, 1...	7.40	16.1	ug/L	439924	1	5.86	1367750	50.0
Propanoic acid, 2...	8.13	23.6	ug/L	803339	2	9.07	1701170	50.0
Propanoic acid, p...	8.40	35.8	ug/L	1218320	2	9.07	1701170	50.0
Butanoic acid, 1-...	8.88	47.0	ug/L	1600060	2	9.07	1701170	50.0
Butanoic acid, pr...	9.75	7.0	ug/L	238754	2	9.07	1701170	50.0
Azulene	13.73	3.1	ug/L	93437	3	11.46	1502290	50.0