

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV120919\
 Data File : VV013958.D
 Acq On : 09 Dec 2019 13:18
 Operator : SY/MD
 Sample : K6146-02
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 DBBR8

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_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	1.206	30	36	61	rBV2	62563	132791	4.56%	0.556%
2	1.319	64	71	79	rVV	299498	297644	10.22%	1.246%
3	1.557	140	145	163	rVB	297563	352005	12.08%	1.474%
4	2.119	311	320	333	rBV	612181	853846	29.31%	3.574%
5	2.299	374	376	378	rBV3	1869	1002	0.03%	0.004%
6	2.457	418	425	434	rBV2	8277	15183	0.52%	0.064%
7	2.531	439	448	464	rVB2	24321	44147	1.52%	0.185%
8	2.589	464	466	471	rBV3	1111	1012	0.03%	0.004%
9	2.659	483	488	492	rBV6	1435	1161	0.04%	0.005%
10	2.782	522	526	529	rBV5	1565	1150	0.04%	0.005%
11	2.987	586	590	591	rBV3	1407	946	0.03%	0.004%
12	3.048	605	609	613	rBV5	1317	881	0.03%	0.004%
13	3.122	629	632	634	rBV3	1862	1196	0.04%	0.005%
14	3.206	654	658	661	rVB3	1731	1069	0.04%	0.004%
15	3.261	669	675	678	rVB6	1143	1103	0.04%	0.005%
16	3.454	730	735	736	rBV2	1324	1008	0.03%	0.004%
17	3.704	808	813	816	rBV4	882	928	0.03%	0.004%
18	3.743	820	825	829	rBV8	1345	1562	0.05%	0.007%
19	3.923	869	881	905	rBV	162765	429953	14.76%	1.800%
20	4.138	944	948	952	rBV6	1147	1067	0.04%	0.004%
21	4.219	970	973	976	rBV4	1472	995	0.03%	0.004%
22	4.338	1008	1010	1012	rBV3	1756	1023	0.04%	0.004%
23	4.392	1012	1027	1050	rVV2	356407	831029	28.53%	3.479%
24	4.634	1100	1102	1108	rVB6	1150	1020	0.04%	0.004%
25	4.695	1118	1121	1126	rBV5	1704	1315	0.05%	0.006%
26	4.724	1126	1130	1132	rBV3	1039	846	0.03%	0.004%
27	4.804	1152	1155	1159	rVB2	1682	1122	0.04%	0.005%
28	4.855	1167	1171	1176	rVB7	1330	1178	0.04%	0.005%
29	4.891	1179	1182	1185	rVB2	1736	1362	0.05%	0.006%
30	4.974	1202	1208	1210	rVB7	1412	1233	0.04%	0.005%
31	5.087	1225	1243	1274	rBV2	843369	2108721	72.39%	8.827%
32	5.322	1304	1316	1337	rVV2	68748	148837	5.11%	0.623%
33	5.476	1362	1364	1367	rBV3	1198	889	0.03%	0.004%
34	5.499	1367	1371	1374	rBV4	1788	1226	0.04%	0.005%

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Integration Parameters: LSCINT.P

Integrator: RTE
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 Title : VOC Analysis

35	5.601	1395	1403	1405	rBV5	11330	14352	0.49%	0.060%
36	5.656	1408	1420	1439	rVV	758435	1502703	51.59%	6.290%
37	6.109	1549	1561	1582	rVB	477038	941610	32.32%	3.942%
38	6.219	1590	1595	1609	rBV4	8454	17513	0.60%	0.073%
39	6.380	1639	1645	1646	rBV2	10564	10853	0.37%	0.045%
40	6.498	1670	1682	1714	rBV	1662727	2913012	100.00%	12.194%
41	6.910	1807	1810	1812	rBV3	1521	947	0.03%	0.004%
42	6.958	1819	1825	1828	rBV7	2506	2694	0.09%	0.011%
43	7.023	1834	1845	1866	rBV	261895	467694	16.06%	1.958%
44	7.132	1877	1879	1884	rVB4	1557	1353	0.05%	0.006%
45	7.164	1884	1889	1892	rBV6	2381	2831	0.10%	0.012%
46	7.222	1896	1907	1919	rBV	199521	329379	11.31%	1.379%
47	7.354	1936	1948	1979	rBV	998854	1777083	61.01%	7.439%
48	7.582	2015	2019	2030	rVB6	5301	7775	0.27%	0.033%
49	7.656	2032	2042	2059	rVV3	243685	413359	14.19%	1.730%
50	7.842	2097	2100	2104	rVB5	1372	1004	0.03%	0.004%
51	7.878	2108	2111	2116	rVB5	1889	1235	0.04%	0.005%
52	7.900	2116	2118	2123	rBV5	1847	1372	0.05%	0.006%
53	7.961	2123	2137	2152	rBV	347392	572165	19.64%	2.395%
54	8.071	2167	2171	2177	rVB	34653	40668	1.40%	0.170%
55	8.125	2178	2188	2209	rVV2	655719	1182384	40.59%	4.950%
56	8.225	2210	2219	2242	rVB	655786	1022072	35.09%	4.278%
57	8.341	2248	2255	2267	rVB	31545	49998	1.72%	0.209%
58	8.717	2360	2372	2398	rBV	767987	1206470	41.42%	5.050%
59	8.891	2412	2426	2443	rBV	1180537	1921118	65.95%	8.042%
60	9.312	2554	2557	2559	rBV4	1291	951	0.03%	0.004%
61	9.424	2583	2592	2604	rBV2	16232	28174	0.97%	0.118%
62	9.582	2629	2641	2659	rBV	90300	148729	5.11%	0.623%
63	9.926	2743	2748	2750	rBV4	1118	1022	0.04%	0.004%
64	10.254	2833	2850	2871	rBV	696528	1098755	37.72%	4.599%
65	10.379	2886	2889	2897	rVB7	2281	2290	0.08%	0.010%
66	10.817	3023	3025	3029	rVB4	1747	987	0.03%	0.004%
67	10.961	3064	3070	3072	rBV5	2033	2040	0.07%	0.009%
68	10.984	3073	3077	3080	rBV5	1849	1529	0.05%	0.006%
69	11.051	3094	3098	3102	rBV5	1141	946	0.03%	0.004%
70	11.145	3124	3127	3131	rBV5	1770	1474	0.05%	0.006%
71	11.289	3160	3172	3190	rBV	970865	1481333	50.85%	6.201%

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72	11.665	3276	3289	3307	rVV	904811	1438454	49.38%	6.021%
73	11.862	3347	3350	3354	rBV4	1470	1122	0.04%	0.005%
74	11.984	3383	3388	3391	rBV5	1247	1084	0.04%	0.005%
75	12.402	3511	3518	3524	rBV5	2746	4338	0.15%	0.018%
76	12.543	3559	3562	3565	rVV5	1385	1026	0.04%	0.004%
77	12.678	3601	3604	3605	rBV2	1861	1037	0.04%	0.004%
78	12.839	3649	3654	3657	rBV4	2337	2226	0.08%	0.009%
79	12.984	3694	3699	3701	rBV3	1777	1246	0.04%	0.005%
80	13.064	3721	3724	3728	rVB5	1751	1245	0.04%	0.005%
81	13.199	3764	3766	3769	rVB3	1961	866	0.03%	0.004%
82	13.604	3890	3892	3897	rVB5	1421	910	0.03%	0.004%
83	13.916	3984	3989	3992	rBV6	885	906	0.03%	0.004%
84	14.019	4019	4021	4025	rVB5	1306	928	0.03%	0.004%
85	14.096	4043	4045	4050	rVB4	1866	1526	0.05%	0.006%
86	14.218	4079	4083	4086	rBV3	1571	1644	0.06%	0.007%
87	14.395	4133	4138	4139	rBV3	1673	1401	0.05%	0.006%
88	14.440	4148	4152	4155	rBV5	2294	1613	0.06%	0.007%
89	14.485	4164	4166	4170	rBV4	1124	1005	0.03%	0.004%
90	14.527	4176	4179	4182	rVB4	2458	1600	0.05%	0.007%
91	14.546	4182	4185	4190	rBV7	1844	1757	0.06%	0.007%
92	14.575	4190	4194	4195	rBV4	1574	1075	0.04%	0.005%
93	14.672	4221	4224	4228	rBV6	1839	1337	0.05%	0.006%
94	14.839	4272	4276	4278	rBV5	1478	895	0.03%	0.004%
95	14.916	4296	4300	4303	rBV4	2056	1936	0.07%	0.008%
96	15.022	4330	4333	4335	rBV3	2450	1126	0.04%	0.005%
97	15.080	4348	4351	4354	rBV4	1653	1088	0.04%	0.005%
98	15.456	4464	4468	4471	rBV5	1758	1869	0.06%	0.008%
99	15.665	4531	4533	4535	rBV3	2388	1479	0.05%	0.006%
100	15.894	4601	4604	4606	rBV4	2671	1652	0.06%	0.007%

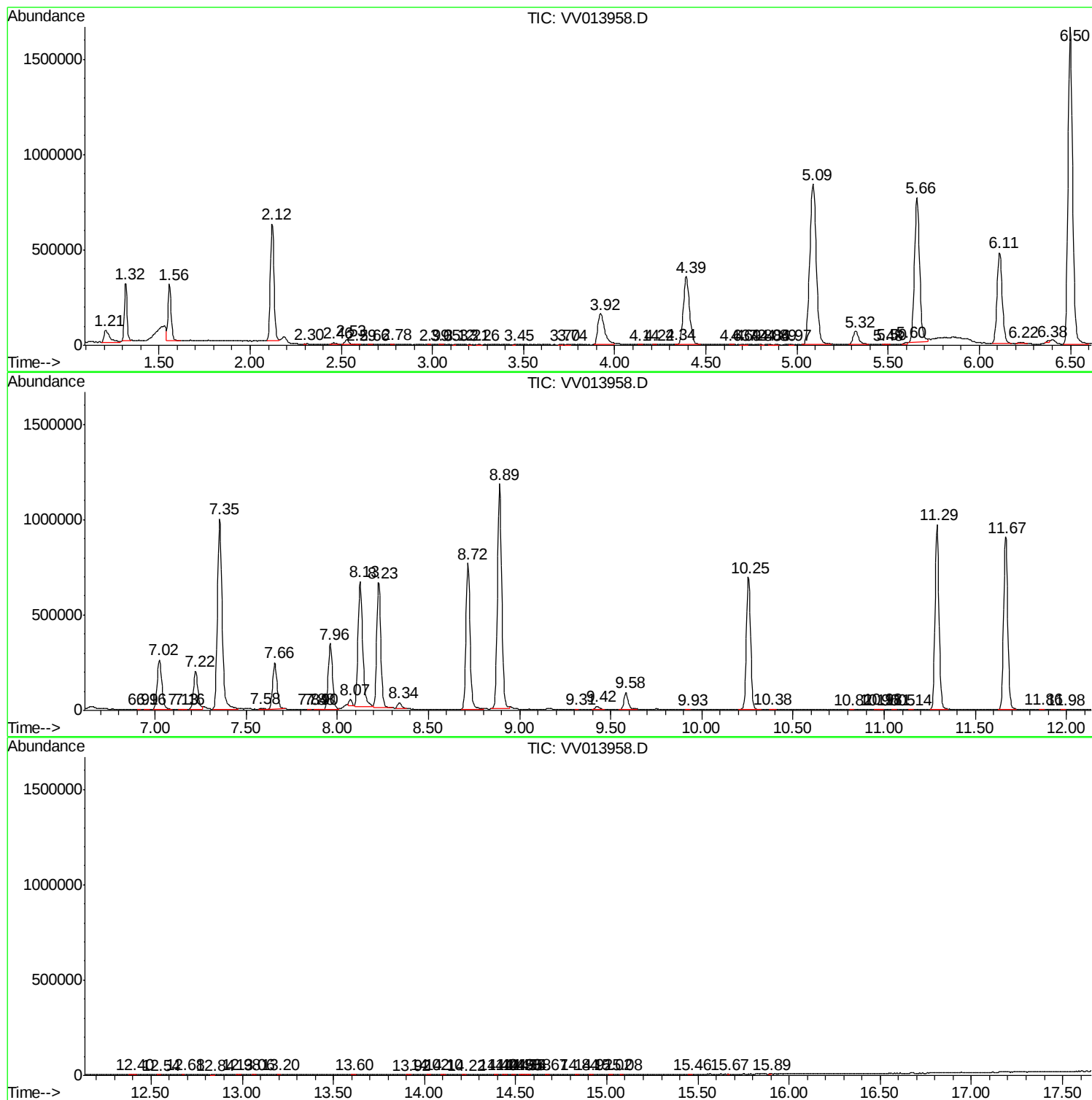
Sum of corrected areas: 23888715

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Quant Method : Z:\V0ASRV\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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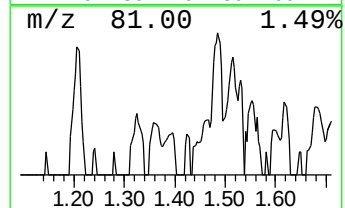
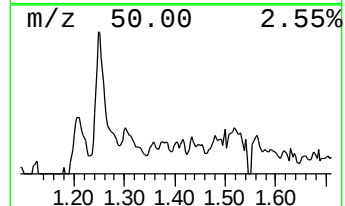
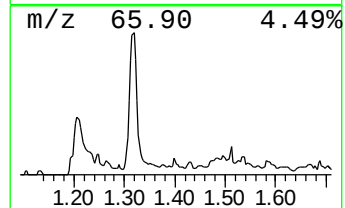
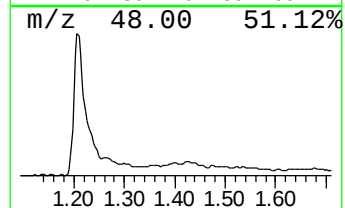
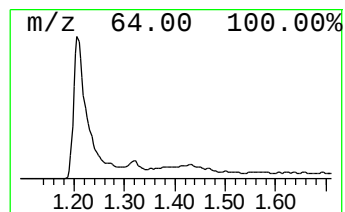
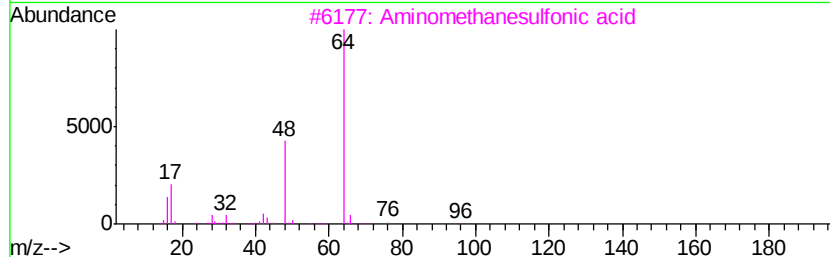
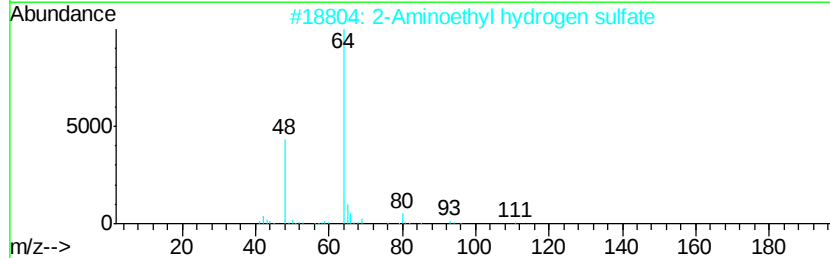
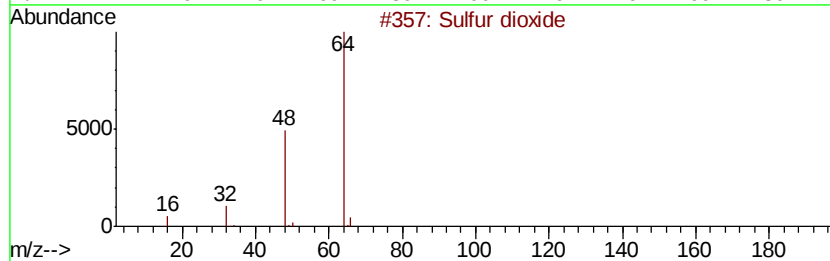
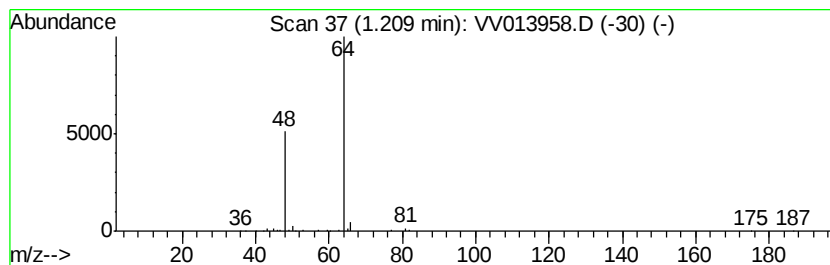
Instrument :
MSVOA_V
ClientSampleId :
DBBR8

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM120219WMA.M
Quant Title : VOC Analysis

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

Peak Number 1 Sulfur dioxide Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.21	4.42 ug/L	132791	1,4-Difluorobenzene	5.66
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Sulfur dioxide	64 O2S	007446-09-5 83
2		2-Aminoethyl hydrogen sulfate	141 C2H7N04S	000926-39-6 74
3		Aminomethanesulfonic acid	111 CH5N03S	013881-91-9 74
4		Aminomethanesulfonic acid	111 CH5N03S	013881-91-9 64
5		Benzenesulfonic acid, 2,5-diamino-	188 C6H8N2O3S	000088-45-9 9



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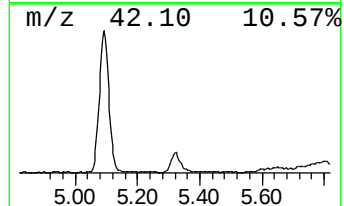
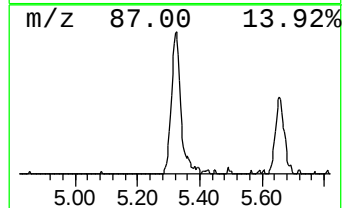
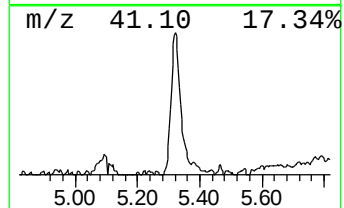
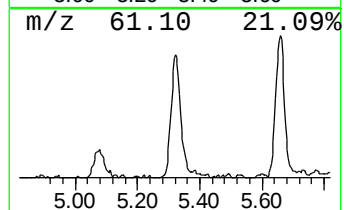
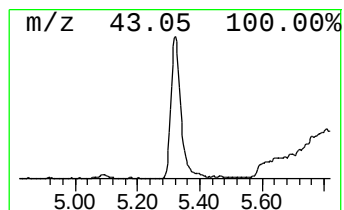
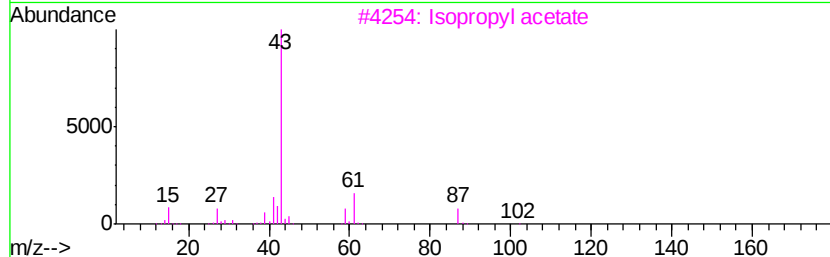
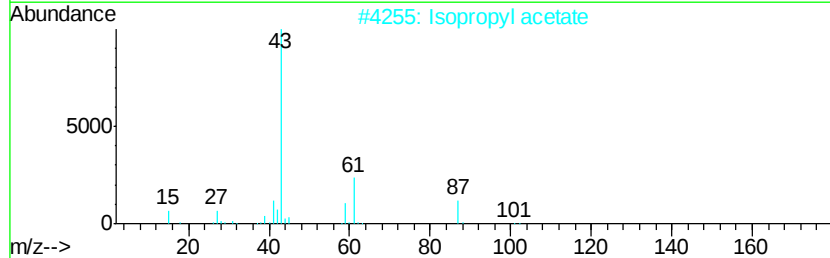
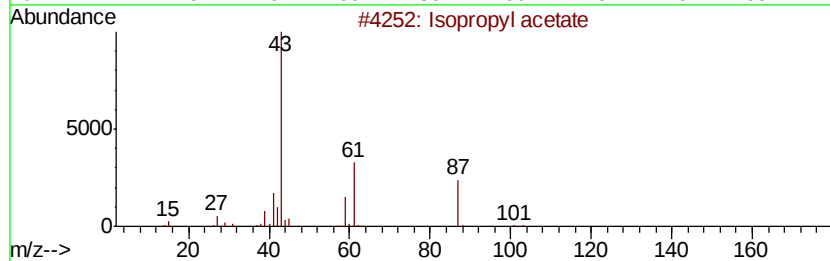
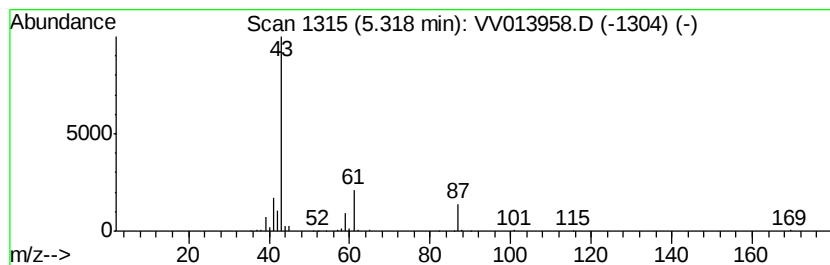
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Quant Title : VOC Analysis

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

Peak Number 2 Isopropyl acetate Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.32	4.95 ug/L	148837	1,4-Difluorobenzene	5.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	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	45
4		Propane, 1-(1-methylethoxy)-	102	C6H14O	000627-08-7	38
5		Acetaldehyde, O-ethyloxime-	87	C4H9NO	1000288-34-6	27



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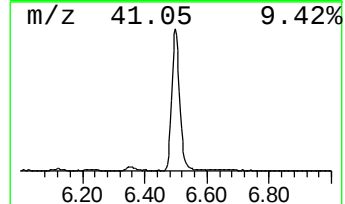
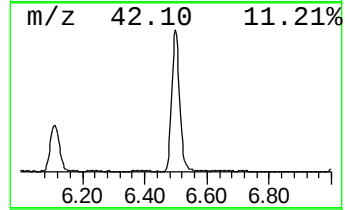
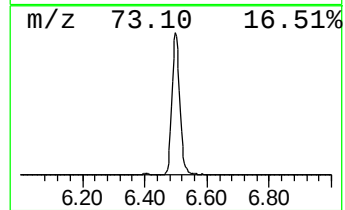
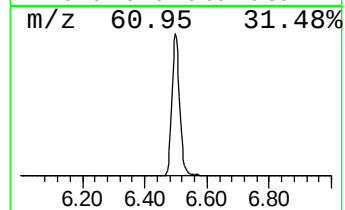
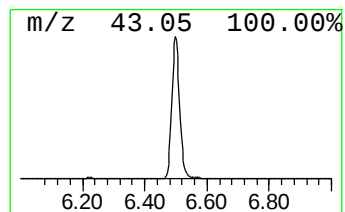
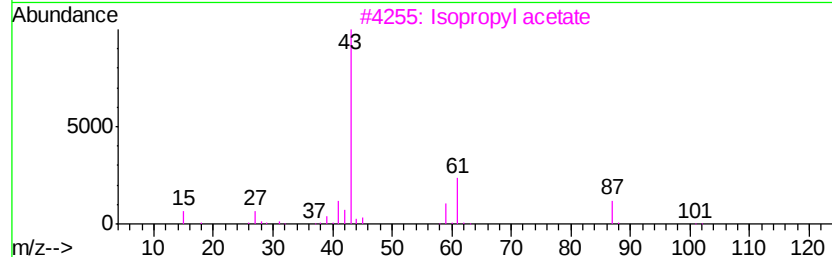
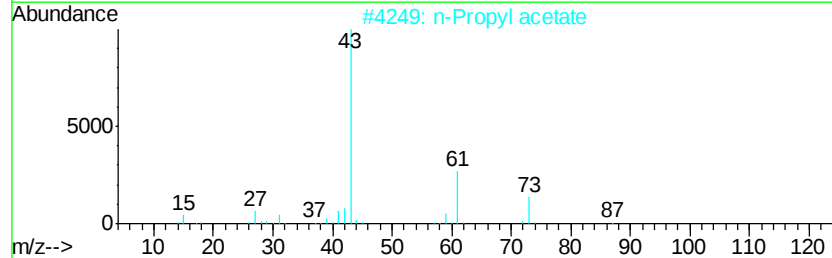
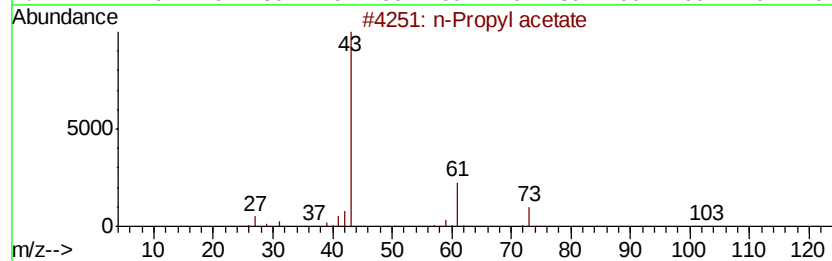
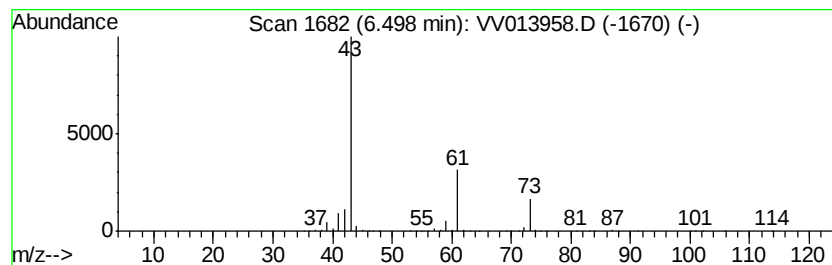
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Peak Number 3 n-Propyl acetate Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.50	96.93 ug/L	2913010	1,4-Difluorobenzene	5.66

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		Isopropyl acetate	102	C5H10O2	000108-21-4	36
4		Isobutyl acetate	116	C6H12O2	000110-19-0	9
5		Isopropyl acetate	102	C5H10O2	000108-21-4	9



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV120919\
Data File : VV013958.D
Acq On : 09 Dec 2019 13:18
Operator : SY/MD
Sample : K6146-02
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DBBR8

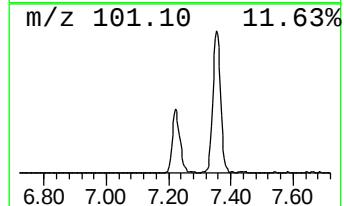
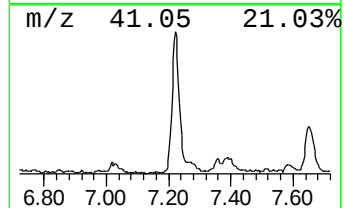
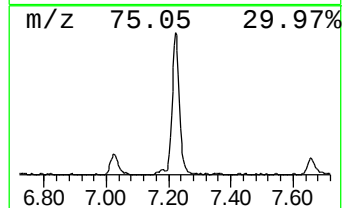
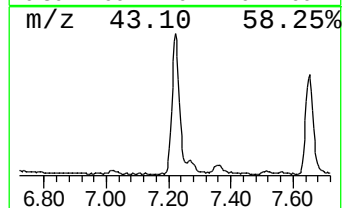
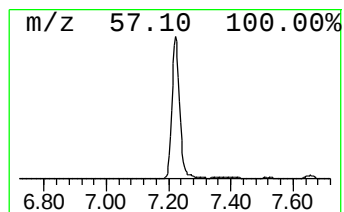
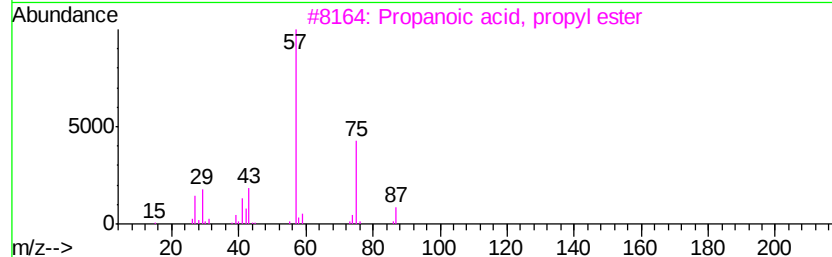
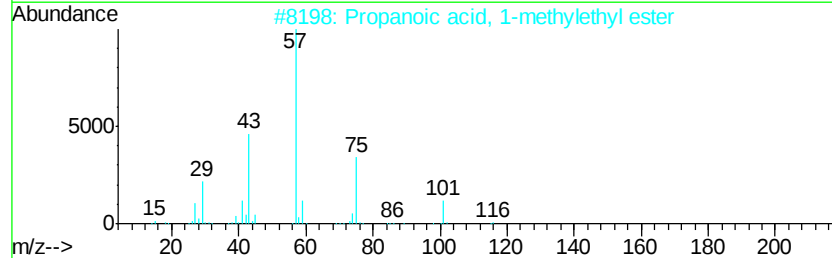
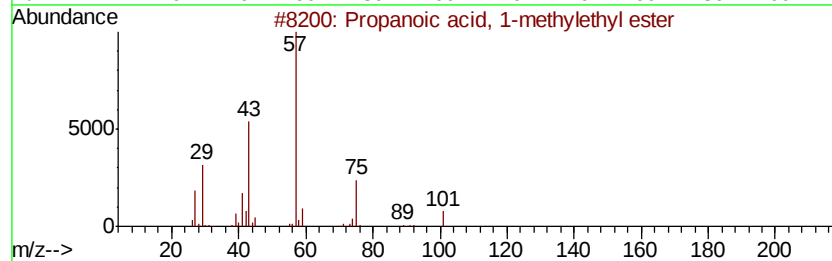
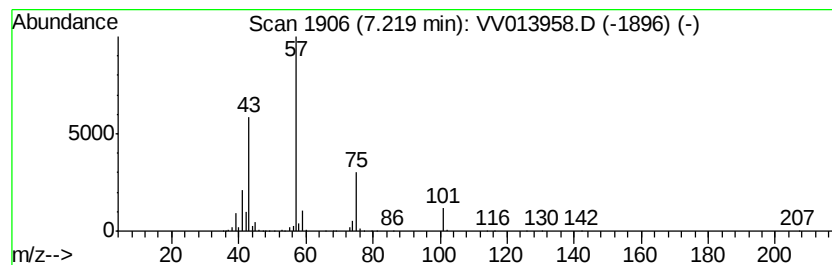
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Quant Title : VOC Analysis

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

Peak Number 5 Propanoic acid, 1-methyleth... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.22	10.96 ug/L	329379	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	72	
3	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	64	
4	Propanoic acid, 1-methylethyl ester	116	C6H12O2	000637-78-5	64	
5	Propanoic acid, 1-methylethyl ester	116	C6H12O2	000637-78-5	50	



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV120919\
Data File : VV013958.D
Acq On : 09 Dec 2019 13:18
Operator : SY/MD
Sample : K6146-02
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DBBR8

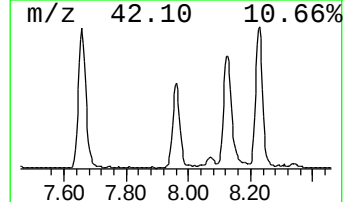
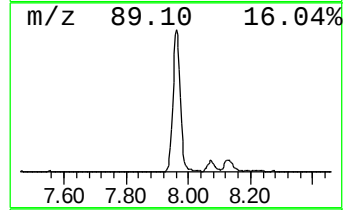
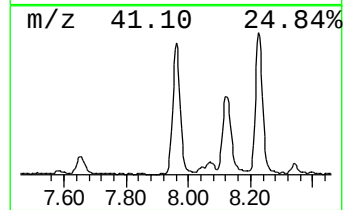
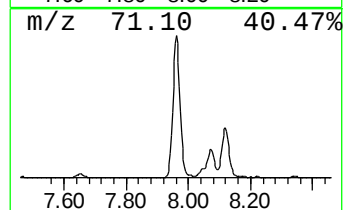
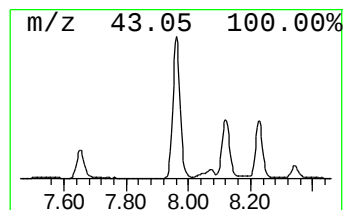
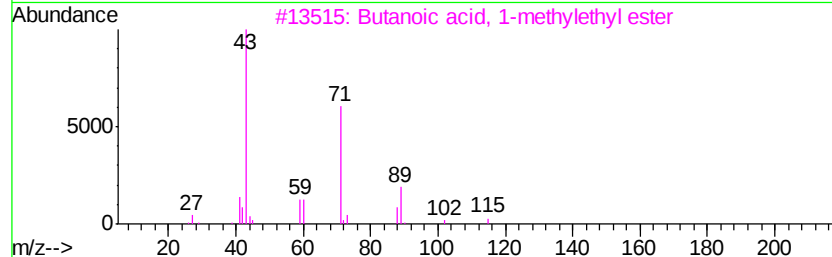
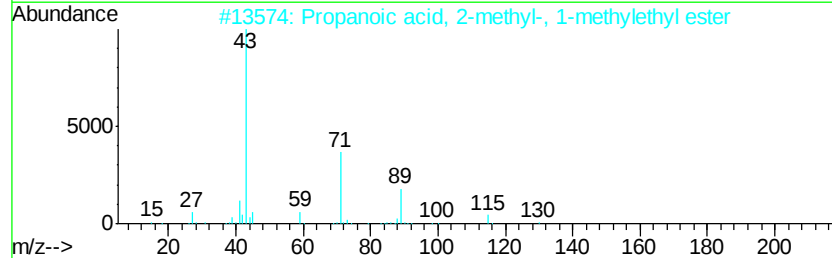
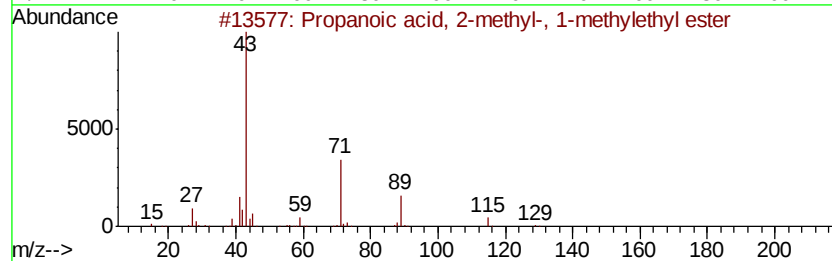
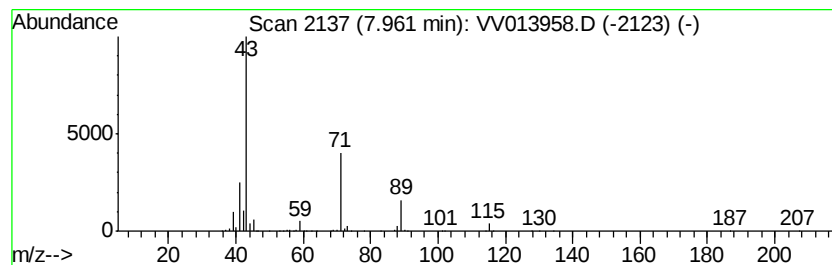
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Quant Title : VOC Analysis

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

Peak Number 6 Propanoic acid, 2-methyl-, ... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.96	14.89 ug/L	572165	Chlorobenzene-d5	8.89

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	78
3		Butanoic acid, 1-methyl-ethyl ester	130	C7H14O2	000638-11-9	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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV120919\
Data File : VV013958.D
Acq On : 09 Dec 2019 13:18
Operator : SY/MD
Sample : K6146-02
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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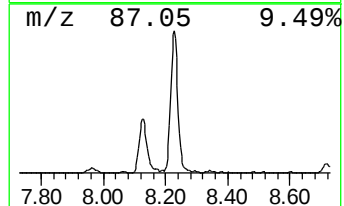
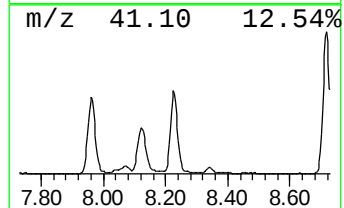
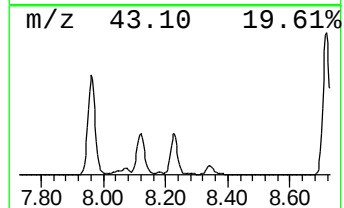
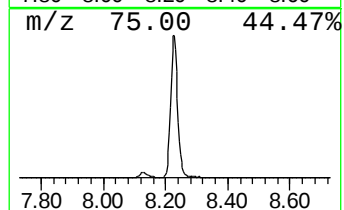
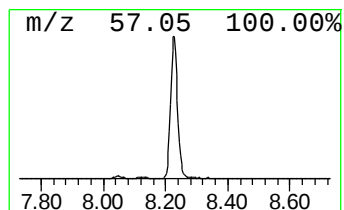
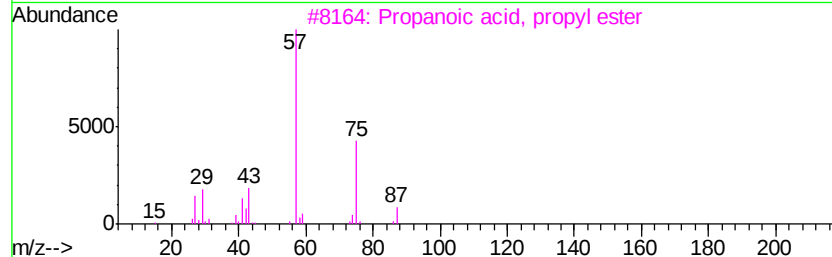
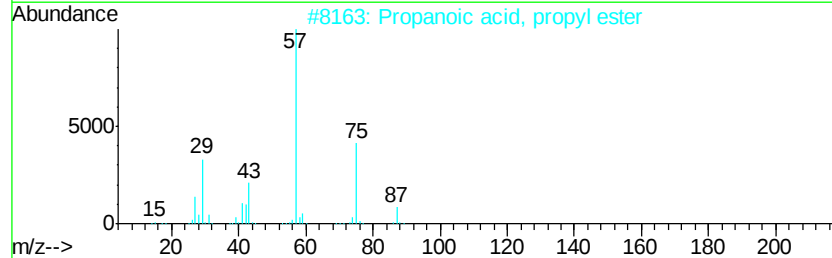
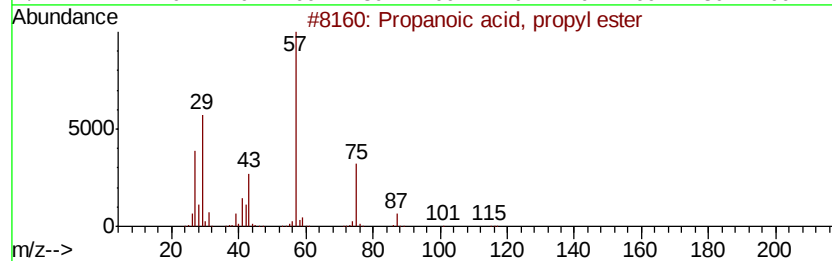
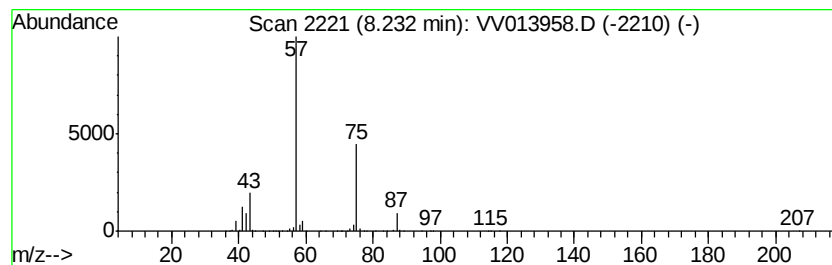
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Quant Title : VOC Analysis

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

Peak Number 7 Propanoic acid, propyl ester Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.23	26.60 ug/L	1022070	Chlorobenzene-d5	8.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	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	74
5		Propanoic acid, butyl ester	130	C7H14O2	000590-01-2	56



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV120919\
Data File : VV013958.D
Acq On : 09 Dec 2019 13:18
Operator : SY/MD
Sample : K6146-02
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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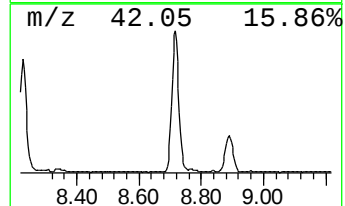
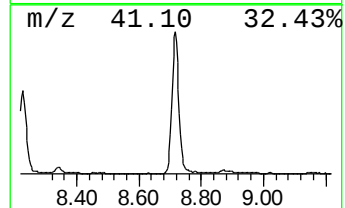
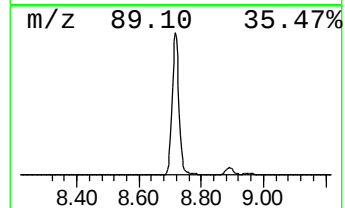
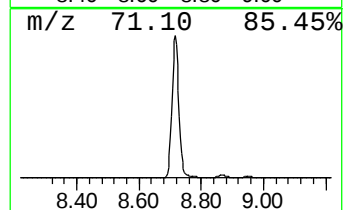
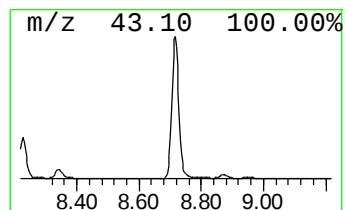
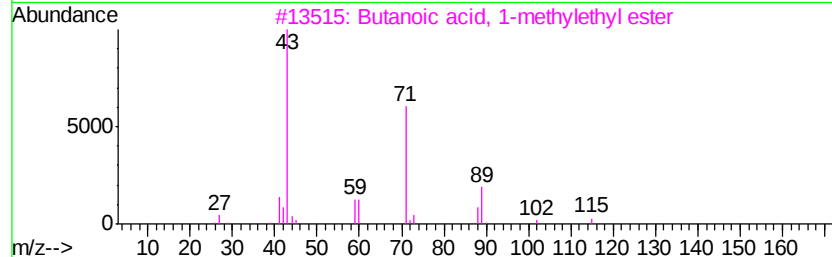
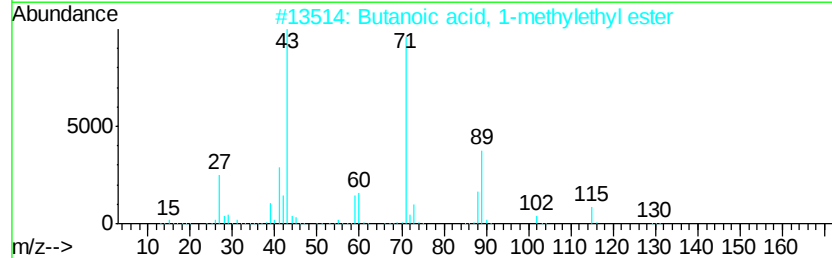
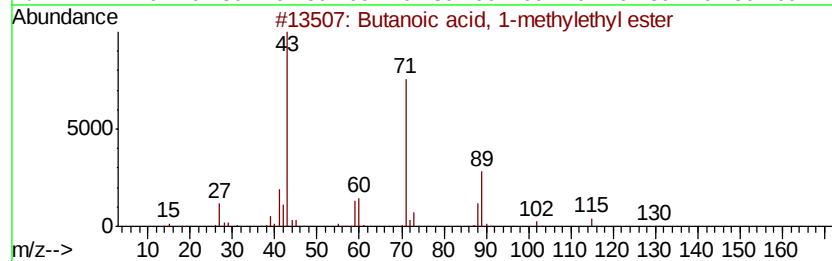
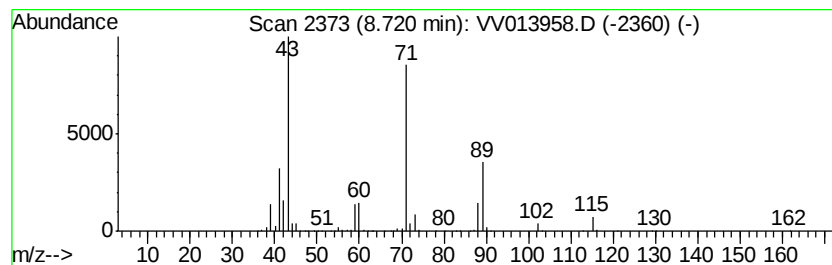
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Quant Title : VOC Analysis

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

Peak Number 8 Butanoic acid, 1-methylethy... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.72	31.40 ug/L	1206470	Chlorobenzene-d5	8.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	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-, 1-met...	130	C7H14O2	000617-50-5	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV120919\
Data File : VV013958.D
Acq On : 09 Dec 2019 13:18
Operator : SY/MD
Sample : K6146-02
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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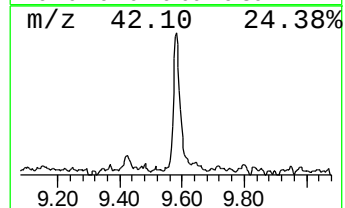
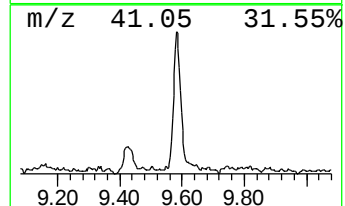
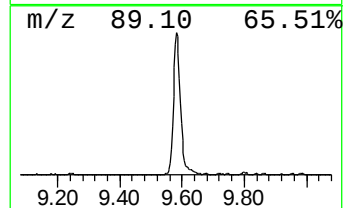
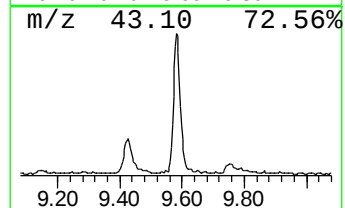
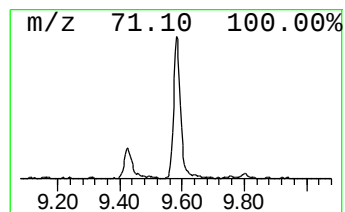
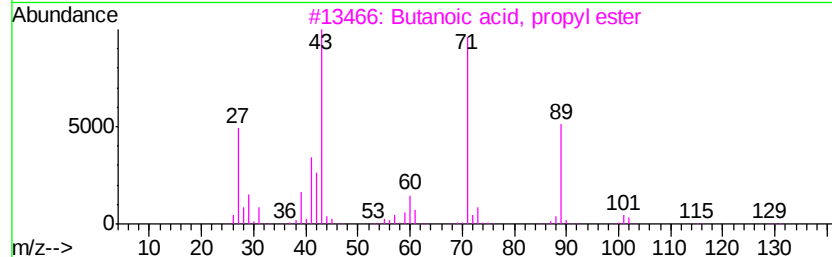
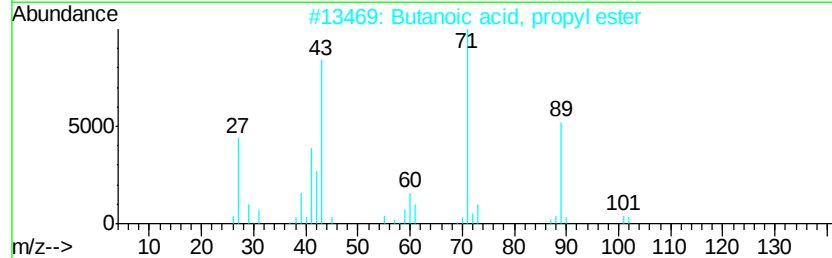
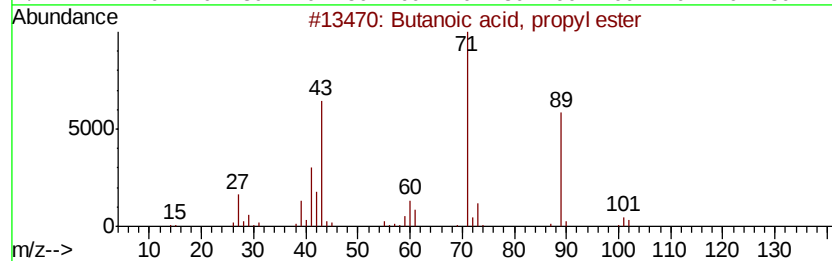
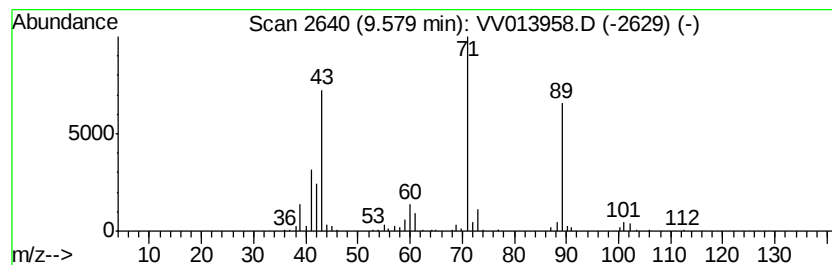
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Quant Title : VOC Analysis

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

Peak Number 9 Butanoic acid, propyl ester Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.58	3.87 ug/L	148729	Chlorobenzene-d5	8.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	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	86
4		Butanoic acid, propyl ester	130	C7H14O2	000105-66-8	83
5		Butanoic acid, octyl ester	200	C12H24O2	000110-39-4	78



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV120919\
Data File : VV013958.D
Acq On : 09 Dec 2019 13:18
Operator : SY/MD
Sample : K6146-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DBBR8

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Sulfur dioxide	1.21	4.4	ug/L	132791	1	5.66	1502700	50.0
Isopropyl acetate	5.32	5.0	ug/L	148837	1	5.66	1502700	50.0
n-Propyl acetate	6.50	96.9	ug/L	2913010	1	5.66	1502700	50.0
Propanoic acid, 1...	7.22	11.0	ug/L	329379	1	5.66	1502700	50.0
Propanoic acid, 2...	7.96	14.9	ug/L	572165	2	8.89	1921120	50.0
Propanoic acid, p...	8.23	26.6	ug/L	1022070	2	8.89	1921120	50.0
Butanoic acid, 1-...	8.72	31.4	ug/L	1206470	2	8.89	1921120	50.0
Butanoic acid, pr...	9.58	3.9	ug/L	148729	2	8.89	1921120	50.0