

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072318\
 Data File : VU025609.D
 Acq On : 23 Jul 2018 18:18
 Operator : MD/SY
 Sample : J4072-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 JJ1T1

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\SOMULM072018WMA.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	0.664	18	23	26	rBV2	383	375	0.04%	0.003%
2	1.088	139	155	170	rBV	261579	295480	29.62%	2.692%
3	1.400	245	252	265	rBV	101359	107367	10.76%	0.978%
4	1.683	332	340	353	rVB	86389	109357	10.96%	0.996%
5	2.275	513	524	533	rBV	192561	287235	28.79%	2.617%
6	2.445	570	577	581	rBV2	4037	5618	0.56%	0.051%
7	2.481	583	588	597	rVB2	8868	12973	1.30%	0.118%
8	2.619	620	631	640	rBV	4396	7239	0.73%	0.066%
9	2.703	649	657	671	rBV3	11467	19489	1.95%	0.178%
10	2.889	712	715	721	rVB4	416	477	0.05%	0.004%
11	2.934	721	729	734	rBV3	631	854	0.09%	0.008%
12	2.976	740	742	744	rBV2	555	343	0.03%	0.003%
13	3.031	756	759	763	rBV2	333	338	0.03%	0.003%
14	3.175	798	804	806	rBV3	859	853	0.09%	0.008%
15	3.240	818	824	828	rBV2	588	642	0.06%	0.006%
16	3.413	867	878	884	rBV5	1875	3865	0.39%	0.035%
17	3.883	1020	1024	1029	rVB3	460	367	0.04%	0.003%
18	4.178	1101	1116	1136	rBV	97160	249451	25.01%	2.272%
19	4.548	1226	1231	1236	rVB2	432	509	0.05%	0.005%
20	4.654	1246	1264	1287	rBV	177211	414119	41.51%	3.773%
21	4.899	1331	1340	1345	rVB3	979	1686	0.17%	0.015%
22	4.989	1363	1368	1370	rBV2	525	498	0.05%	0.005%
23	5.043	1381	1385	1388	rBV2	418	354	0.04%	0.003%
24	5.346	1454	1479	1503	rBV2	332150	997528	100.00%	9.087%
25	5.551	1526	1543	1569	rBV	94543	193537	19.40%	1.763%
26	5.706	1588	1591	1595	rBV4	456	402	0.04%	0.004%
27	5.815	1622	1625	1630	rVB2	557	461	0.05%	0.004%
28	5.892	1630	1649	1667	rBV	376240	759395	76.13%	6.918%
29	6.336	1772	1787	1805	rBV	233282	460297	46.14%	4.193%
30	6.532	1840	1848	1855	rBV2	3646	6721	0.67%	0.061%
31	6.577	1859	1862	1885	rVB2	6054	12066	1.21%	0.110%
32	6.709	1885	1903	1926	rBV	136913	248199	24.88%	2.261%
33	7.017	1996	1999	2003	rBV4	389	349	0.03%	0.003%
34	7.230	2050	2065	2082	rBV	132521	237778	23.84%	2.166%

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 Title : VOC Analysis

35	7.423	2118	2125	2134	rBV2	5530	8877	0.89%	0.081%
36	7.571	2156	2171	2188	rBV	458899	803152	80.51%	7.317%
37	7.738	2217	2223	2224	rBV	1274	1099	0.11%	0.010%
38	7.850	2247	2258	2280	rBV	95797	164616	16.50%	1.500%
39	8.005	2302	2306	2312	rVB4	553	610	0.06%	0.006%
40	8.101	2333	2336	2340	rVB2	526	388	0.04%	0.004%
41	8.185	2345	2362	2370	rBV4	10128	26524	2.66%	0.242%
42	8.313	2392	2402	2424	rVB	333437	557398	55.88%	5.078%
43	8.419	2425	2435	2448	rVB	65205	101924	10.22%	0.929%
44	8.525	2461	2468	2485	rVB2	19302	31582	3.17%	0.288%
45	8.638	2499	2503	2507	rVB3	405	380	0.04%	0.003%
46	8.664	2507	2511	2513	rBV2	449	339	0.03%	0.003%
47	8.905	2575	2586	2603	rVV	71695	113810	11.41%	1.037%
48	9.091	2626	2644	2668	rVV	527953	878292	88.05%	8.001%
49	9.252	2685	2694	2703	rBV	5179	8011	0.80%	0.073%
50	9.333	2716	2719	2724	rVV4	542	395	0.04%	0.004%
51	9.378	2725	2733	2743	rVB2	5462	8196	0.82%	0.075%
52	9.445	2749	2754	2757	rBV4	500	462	0.05%	0.004%
53	9.464	2757	2760	2762	rBV2	586	426	0.04%	0.004%
54	9.529	2776	2780	2783	rBV3	521	420	0.04%	0.004%
55	9.567	2788	2792	2796	rBV3	506	401	0.04%	0.004%
56	9.779	2849	2858	2870	rVB10	5505	10511	1.05%	0.096%
57	9.911	2895	2899	2900	rBV3	455	380	0.04%	0.003%
58	10.027	2932	2935	2938	rBV3	529	473	0.05%	0.004%
59	10.168	2974	2979	2986	rVB3	1568	1814	0.18%	0.017%
60	10.255	3000	3006	3010	rBV3	489	504	0.05%	0.005%
61	10.339	3027	3032	3035	rBV2	293	346	0.03%	0.003%
62	10.435	3049	3062	3079	rVV	342844	539717	54.11%	4.917%
63	10.612	3107	3117	3128	rBV5	2863	4869	0.49%	0.044%
64	10.705	3141	3146	3158	rVB3	1001	1694	0.17%	0.015%
65	10.776	3161	3168	3176	rBV4	1860	2842	0.28%	0.026%
66	10.882	3197	3201	3208	rBV2	607	604	0.06%	0.006%
67	10.969	3222	3228	3230	rBV3	860	880	0.09%	0.008%
68	11.149	3276	3284	3294	rBV3	6034	9141	0.92%	0.083%
69	11.403	3353	3363	3376	rVB	38169	61901	6.21%	0.564%
70	11.487	3376	3389	3407	rBV	581409	903303	90.55%	8.229%
71	11.574	3407	3416	3425	rVB2	4568	7370	0.74%	0.067%

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72	11.612	3425	3428	3430	rBV2	569	406	0.04%	0.004%
73	11.689	3449	3452	3456	rVV2	454	387	0.04%	0.004%
74	11.767	3466	3476	3490	rBV	62032	95611	9.58%	0.871%
75	11.863	3492	3506	3523	rBV	525598	831790	83.39%	7.578%
76	11.982	3534	3543	3562	rVB	39266	62059	6.22%	0.565%
77	12.178	3599	3604	3605	rBV2	561	413	0.04%	0.004%
78	12.291	3634	3639	3642	rBV3	685	535	0.05%	0.005%
79	12.358	3651	3660	3673	rVB2	5874	9151	0.92%	0.083%
80	12.448	3683	3688	3692	rBV4	544	483	0.05%	0.004%
81	12.480	3692	3698	3699	rBV3	1565	1390	0.14%	0.013%
82	12.596	3721	3734	3745	rBV5	12132	22290	2.23%	0.203%
83	12.702	3757	3767	3776	rBV2	24861	47026	4.71%	0.428%
84	12.892	3819	3826	3834	rVV8	2575	3892	0.39%	0.035%
85	12.966	3840	3849	3857	rBV5	3739	5525	0.55%	0.050%
86	13.127	3889	3899	3909	rVB2	9796	14966	1.50%	0.136%
87	13.188	3909	3918	3924	rBV6	1822	2675	0.27%	0.024%
88	13.297	3945	3952	3962	rVB5	3399	5812	0.58%	0.053%
89	13.435	3993	3995	4000	rBV3	441	376	0.04%	0.003%
90	13.509	4010	4018	4026	rVB8	3312	4648	0.47%	0.042%
91	13.570	4034	4037	4039	rBV	493	392	0.04%	0.004%
92	13.673	4065	4069	4072	rBV	736	586	0.06%	0.005%
93	13.744	4079	4091	4114	rBV	576856	929408	93.17%	8.467%
94	13.863	4118	4128	4140	rBV	77154	123895	12.42%	1.129%
95	14.451	4307	4311	4313	rBV4	696	567	0.06%	0.005%
96	14.824	4419	4427	4429	rBV5	1669	2653	0.27%	0.024%
97	14.882	4436	4445	4456	rBV	19007	31660	3.17%	0.288%
98	15.069	4492	4503	4517	rBV	37805	66577	6.67%	0.607%
99	15.406	4605	4608	4611	rBV3	859	752	0.08%	0.007%
100	16.747	5018	5025	5033	rVB	13739	21153	2.12%	0.193%

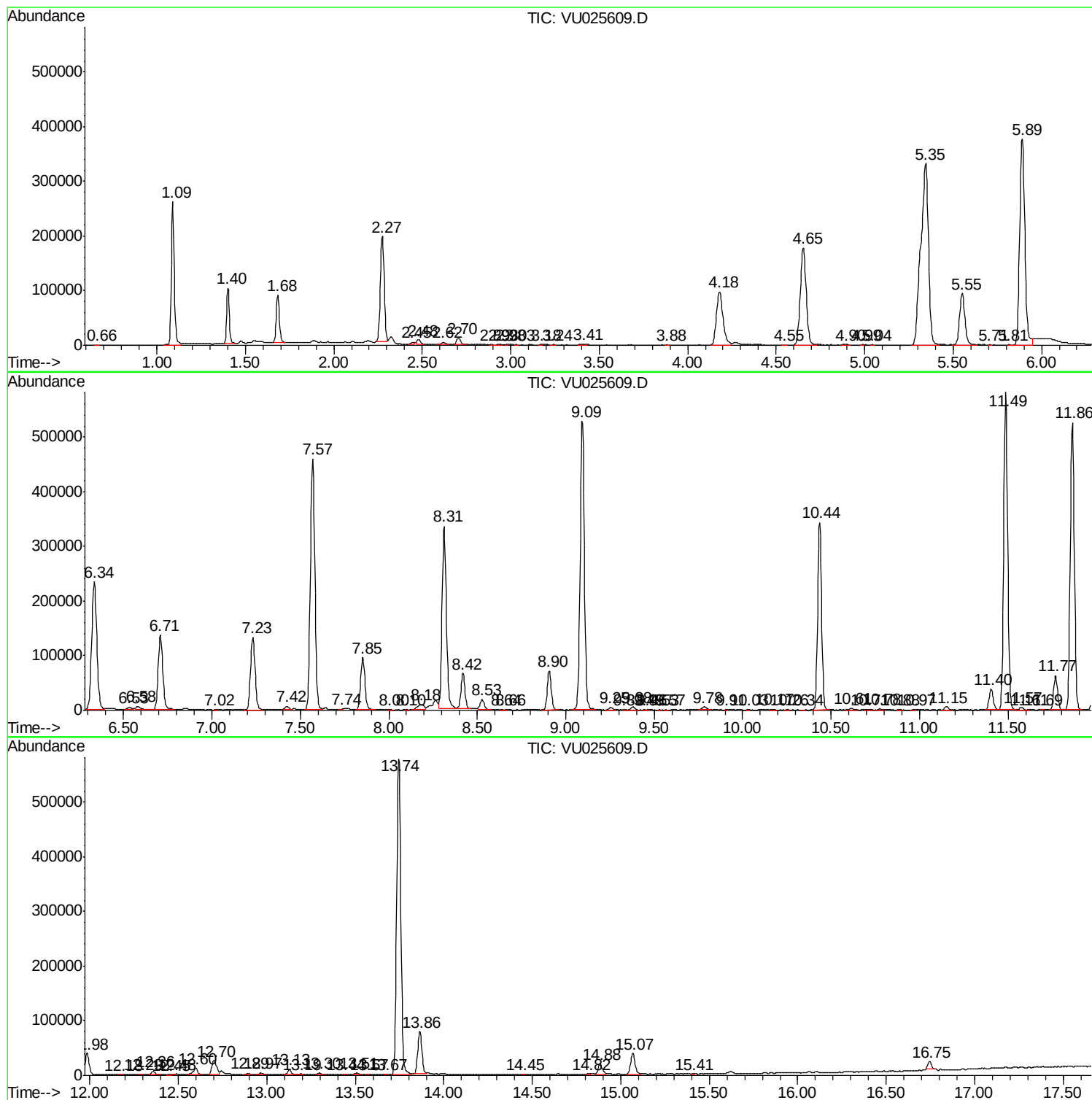
Sum of corrected areas: 10976951

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072018WMA.M
Quant Title : VOC Analysis

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



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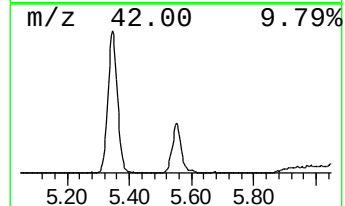
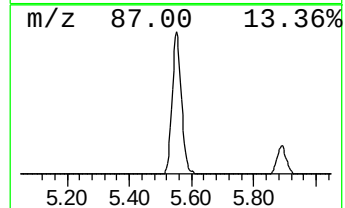
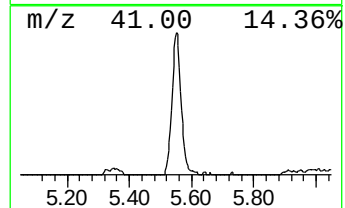
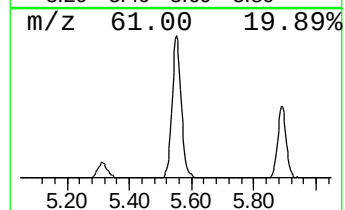
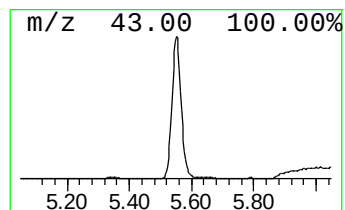
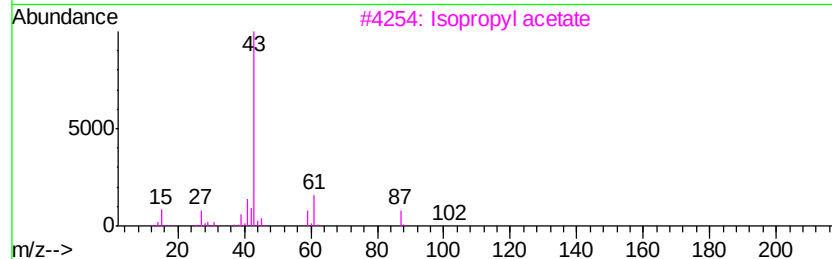
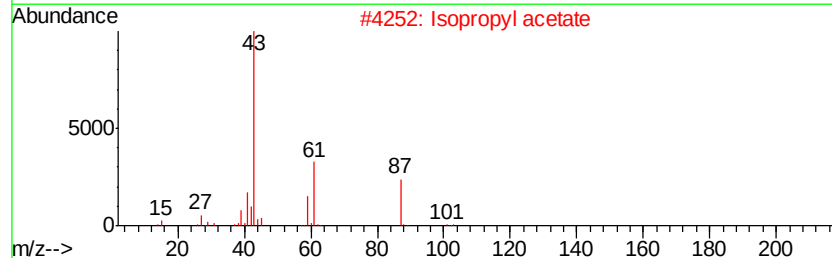
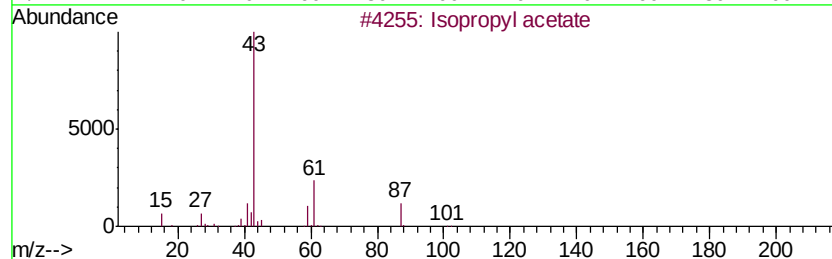
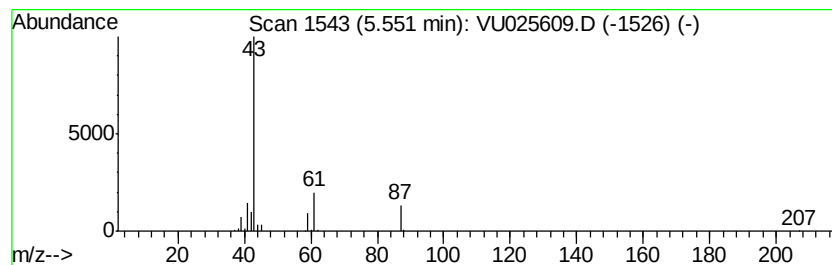
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072018WMA.M
Quant Title : VOC Analysis

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

Peak Number 2 Isopropyl acetate Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.55	12.74 ug/L	193537	1,4-Difluorobenzene	5.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Isopropyl acetate	102	C5H10O2	000108-21-4	83
2		Isopropyl acetate	102	C5H10O2	000108-21-4	83
3		Isopropyl acetate	102	C5H10O2	000108-21-4	83
4		Propane, 1-(1-methylethoxy)-	102	C6H14O	000627-08-7	40
5		Acetaldehyde, O-ethyloxime-	87	C4H9NO	1000288-34-6	9



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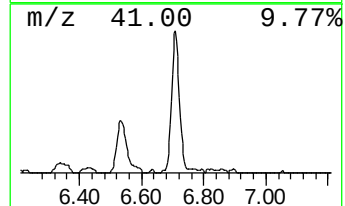
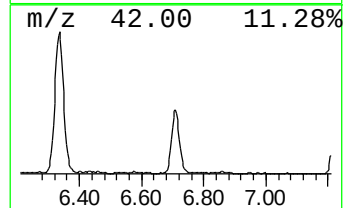
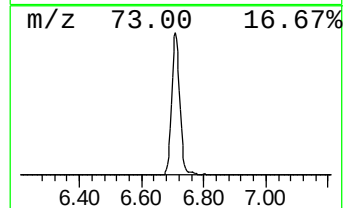
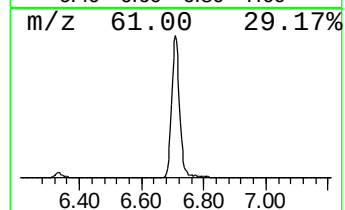
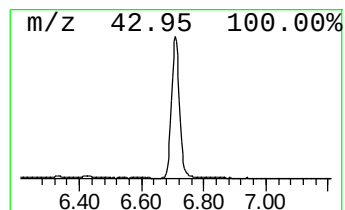
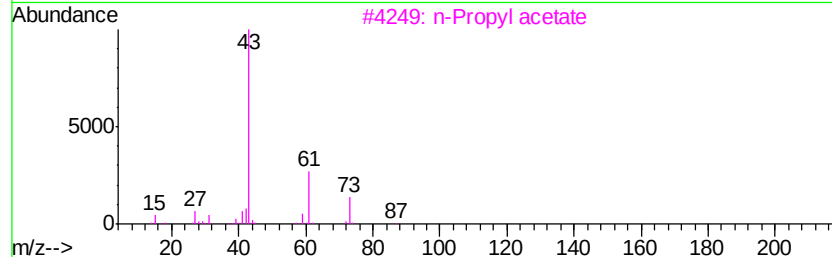
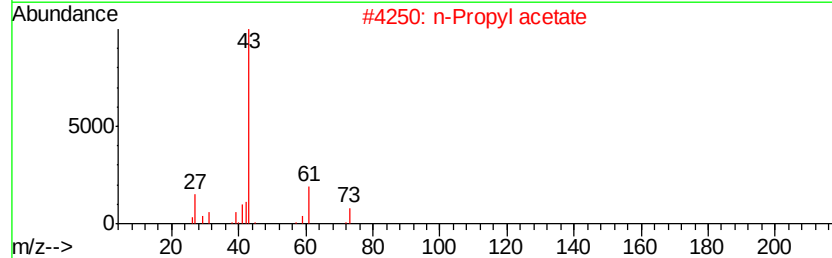
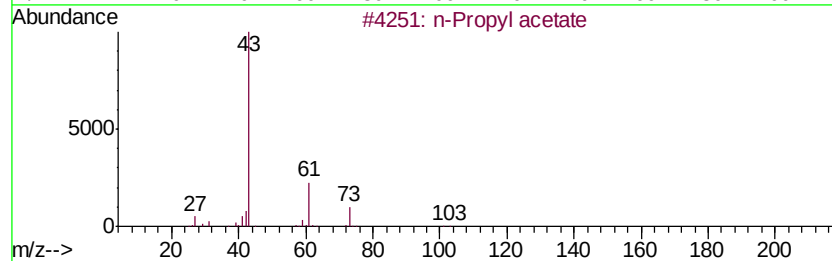
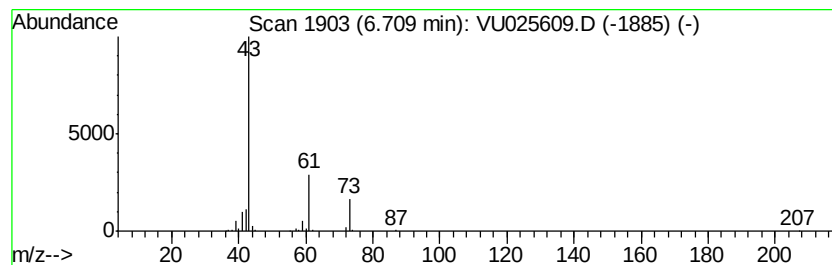
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Quant Title : VOC Analysis

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

Peak Number 3 n-Propyl acetate Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.71	16.34 ug/L	248199	1,4-Difluorobenzene	5.89

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	78
3		n-Propyl acetate	102	C5H10O2	000109-60-4	78
4		Isopropyl acetate	102	C5H10O2	000108-21-4	36
5		Isopropyl acetate	102	C5H10O2	000108-21-4	9



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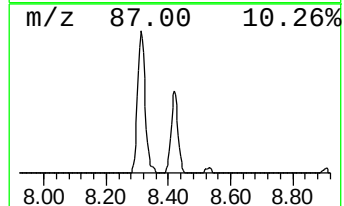
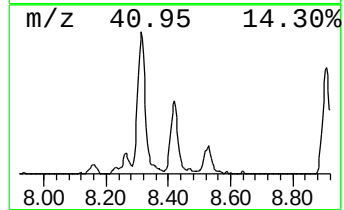
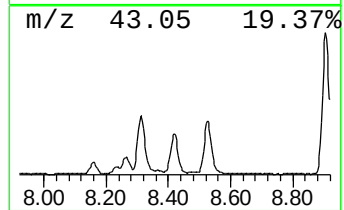
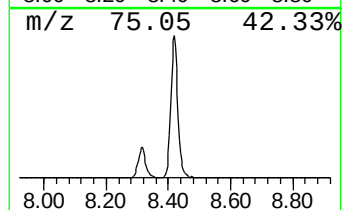
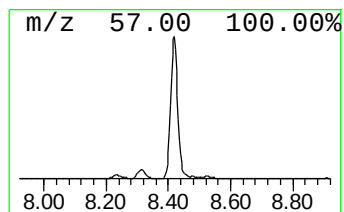
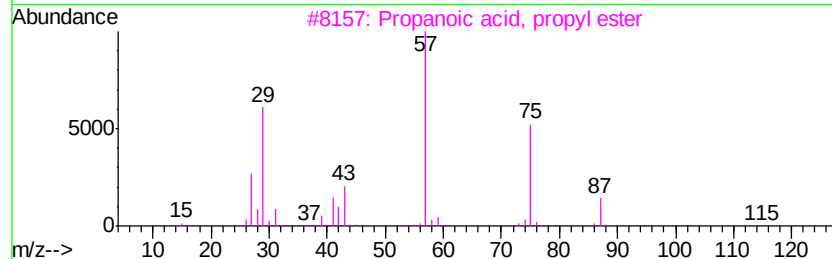
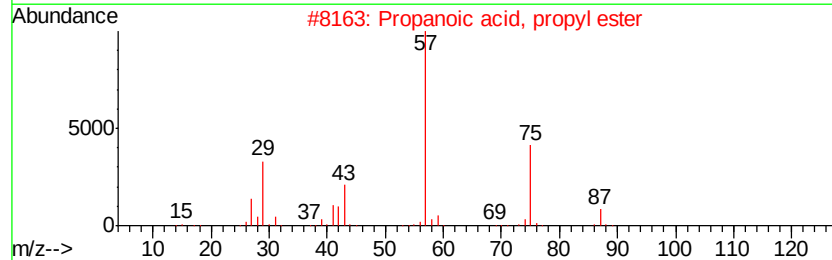
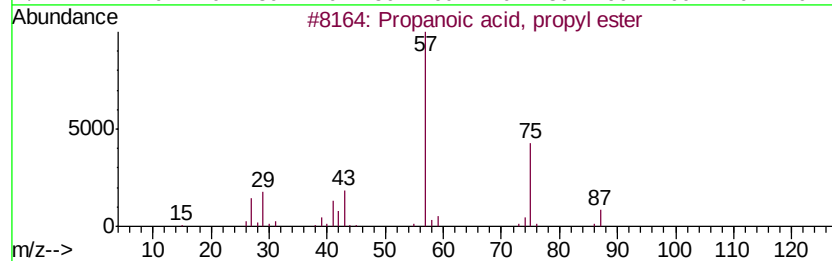
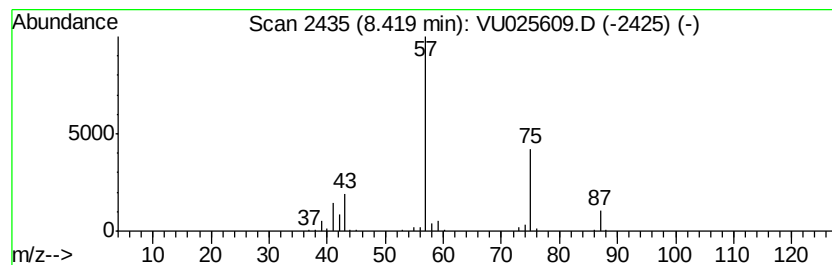
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Quant Title : VOC Analysis

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TIC Integration Parameters: LSCINT.P

Peak Number 5 Propanoic acid, propyl ester Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.42	5.80 ug/L	101924	Chlorobenzene-d5	9.09

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	83
5		Propanoic acid, butyl ester	130	C7H14O2	000590-01-2	33



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Operator : MD/SY
Sample : J4072-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
JJ1T1

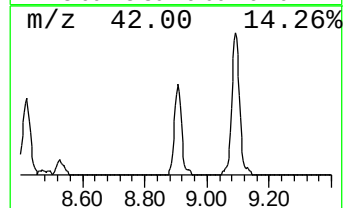
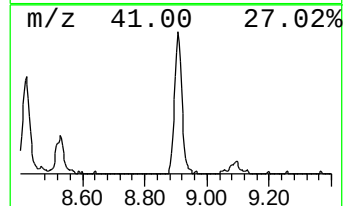
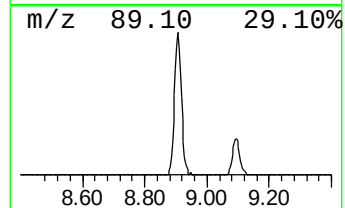
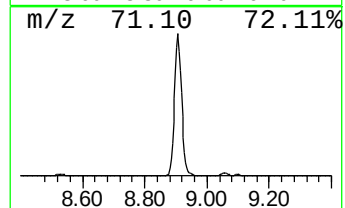
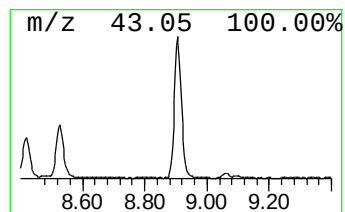
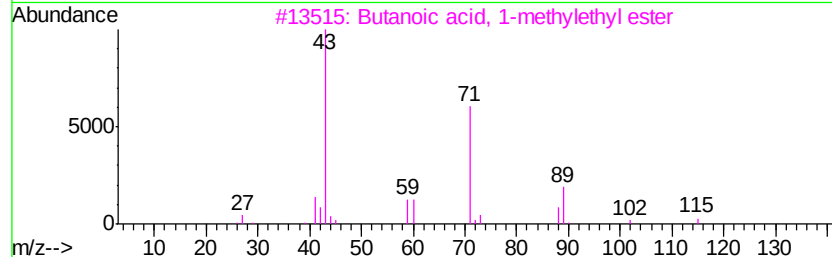
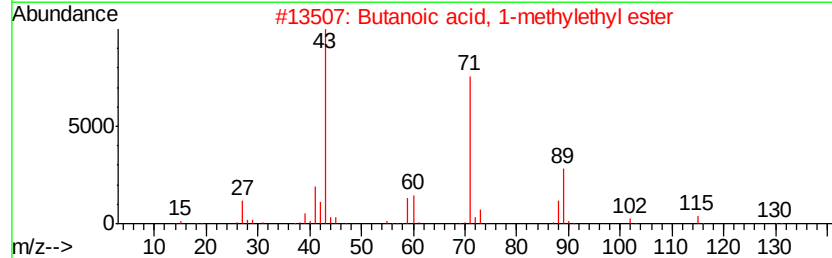
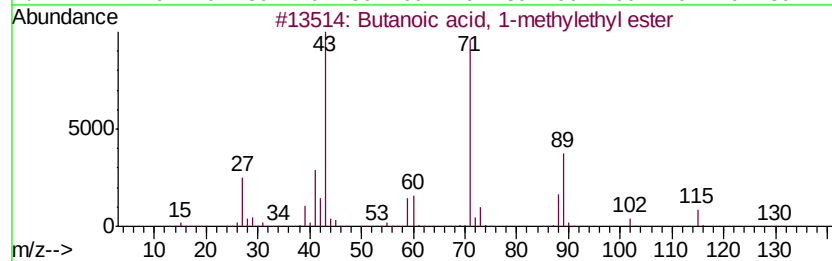
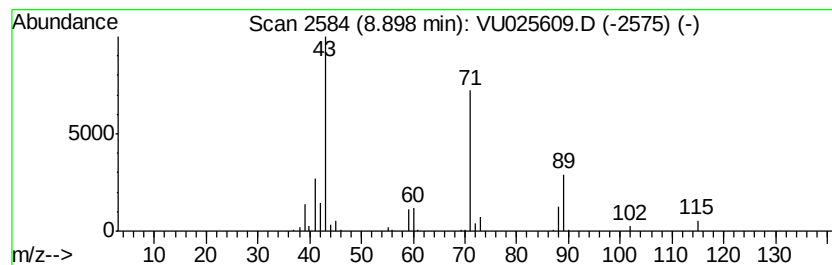
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Quant Title : VOC Analysis

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

Peak Number 6 Butanoic acid, 1-methylethy... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.90	6.48 ug/L	113810	Chlorobenzene-d5	9.09

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	91
2		Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	90
3		Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	78
4		Propanoic acid, 2-methyl-, propy...	130	C7H14O2	000644-49-5	56
5		Propanoic acid, 2-methyl-, propy...	130	C7H14O2	000644-49-5	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU072318\
Data File : VU025609.D
Acq On : 23 Jul 2018 18:18
Operator : MD/SY
Sample : J4072-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
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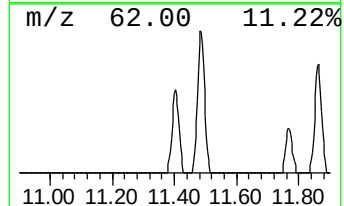
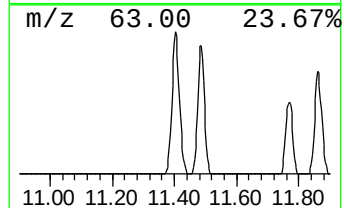
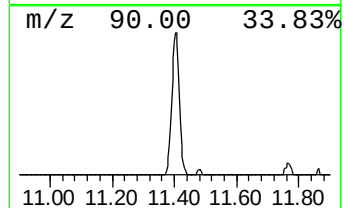
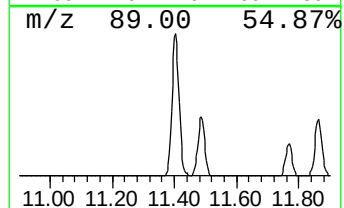
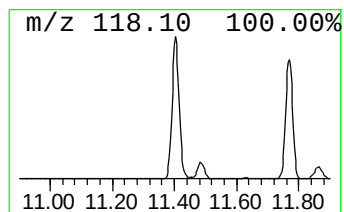
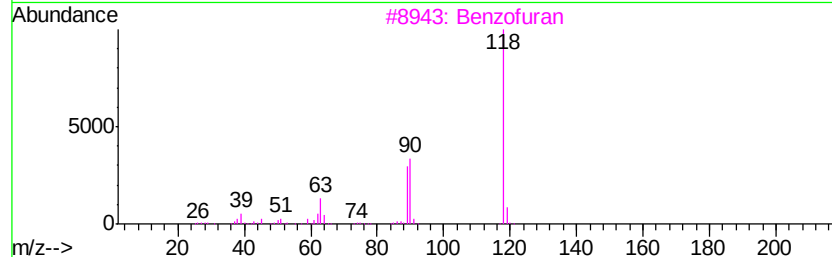
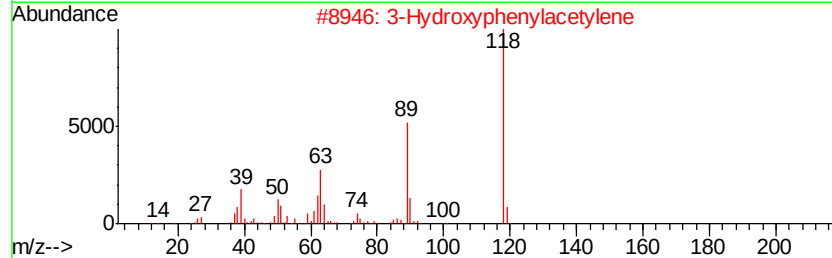
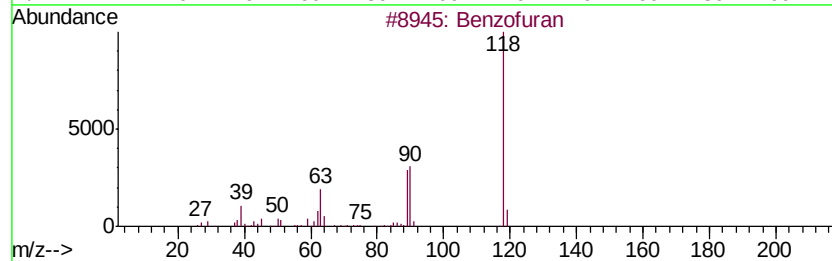
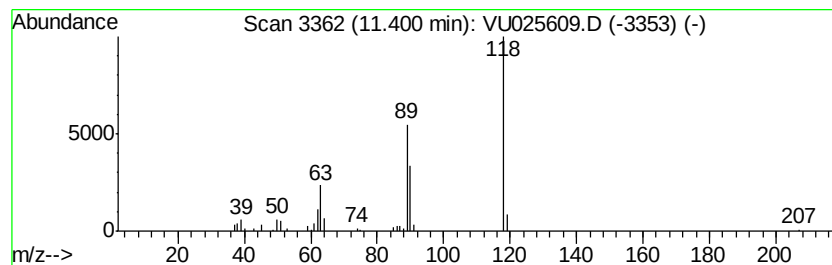
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Quant Title : VOC Analysis

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

Peak Number 7 Benzofuran Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	3.43 ug/L	61901	1,4-Dichlorobenzene-d4	11.49

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzofuran	118	C8H6O	000271-89-6	87
2		3-Hydroxyphenylacetylene	118	C8H6O	010401-11-3	86
3		Benzofuran	118	C8H6O	000271-89-6	80
4		Coumarin	146	C9H6O2	000091-64-5	72
5		Oxazolidin-4-one, 5-benzylideno-...	205	C10H7NO2S	003775-00-6	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU072318\
Data File : VU025609.D
Acq On : 23 Jul 2018 18:18
Operator : MD/SY
Sample : J4072-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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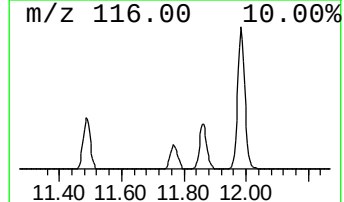
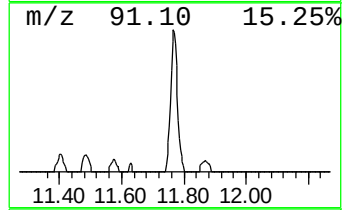
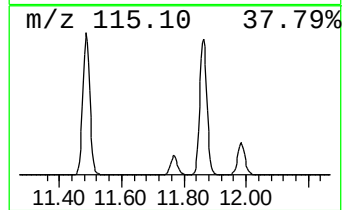
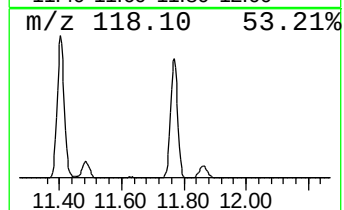
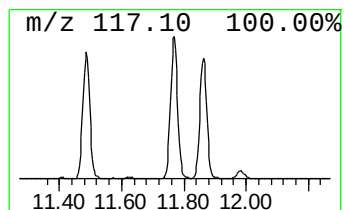
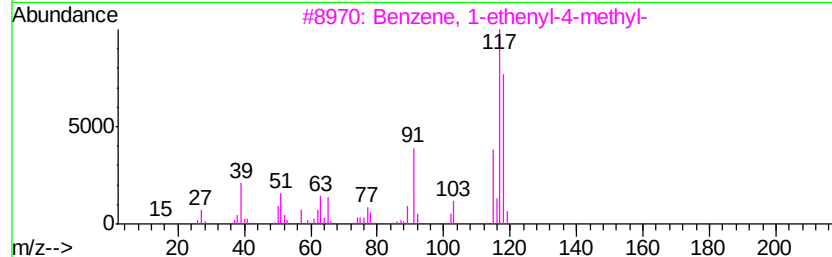
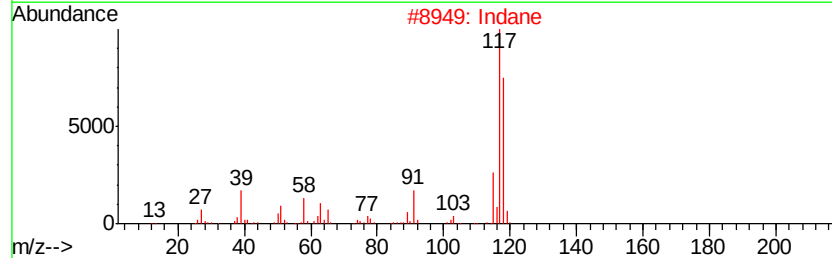
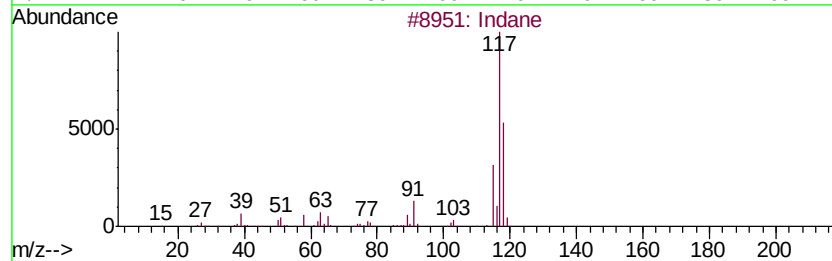
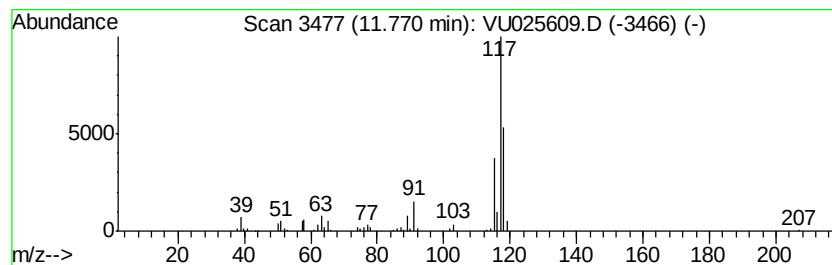
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Quant Title : VOC Analysis

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

Peak Number 8 Indane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	5.29 ug/L	95611	1,4-Dichlorobenzene-d4	11.49

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane		118	C9H10	000496-11-7	95
2	Indane		118	C9H10	000496-11-7	90
3	Benzene, 1-ethenyl-4-methyl-		118	C9H10	000622-97-9	68
4	Benzene, cyclopropyl-		118	C9H10	000873-49-4	68
5	Benzene, (3-chloro-1-propenyl)-		152	C9H9Cl	002687-12-9	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU072318\
Data File : VU025609.D
Acq On : 23 Jul 2018 18:18
Operator : MD/SY
Sample : J4072-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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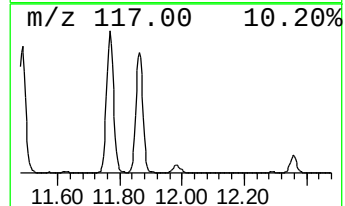
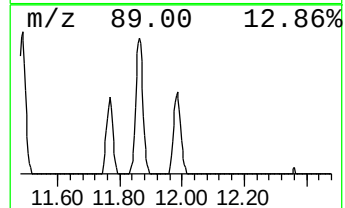
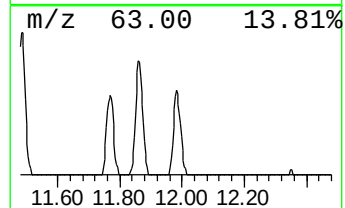
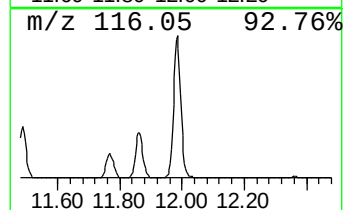
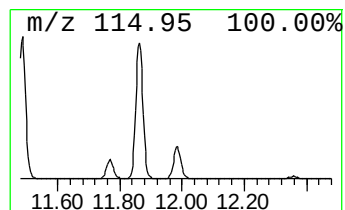
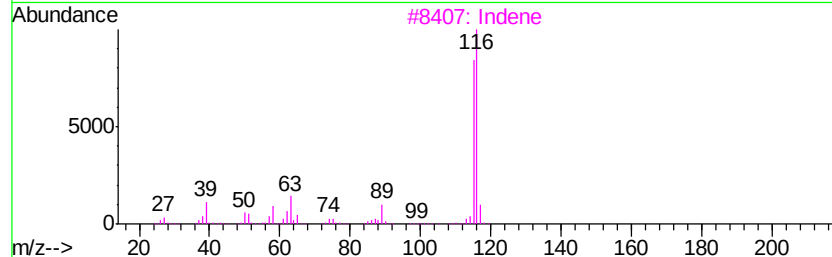
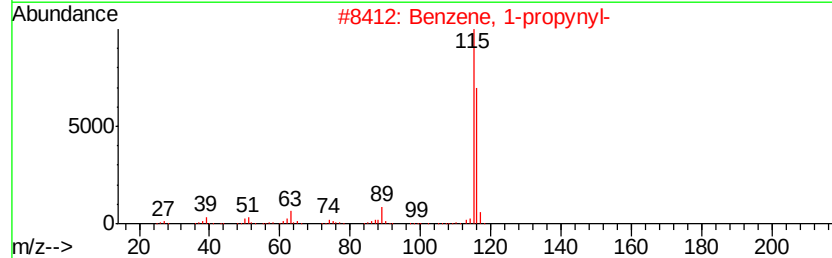
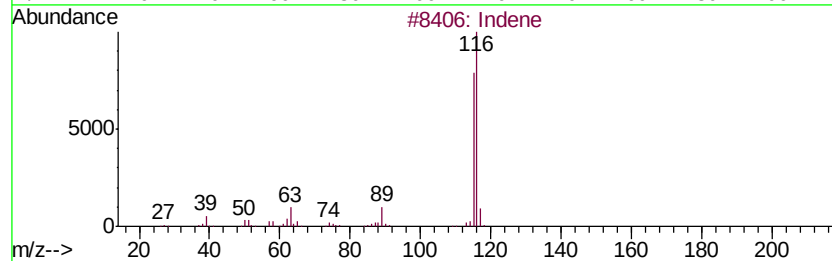
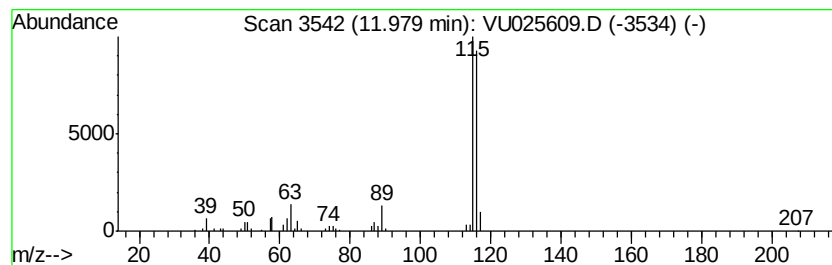
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Quant Title : VOC Analysis

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

Peak Number 9 Indene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	3.44 ug/L	62059	1,4-Dichlorobenzene-d4	11.49

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene		116	C9H8	000095-13-6	95
2	Benzene, 1-propynyl-		116	C9H8	000673-32-5	94
3	Indene		116	C9H8	000095-13-6	94
4	3-Methylphenylacetylene		116	C9H8	000766-82-5	94
5	Benzene, 1-propynyl-		116	C9H8	000673-32-5	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU072318\
Data File : VU025609.D
Acq On : 23 Jul 2018 18:18
Operator : MD/SY
Sample : J4072-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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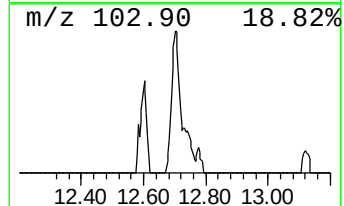
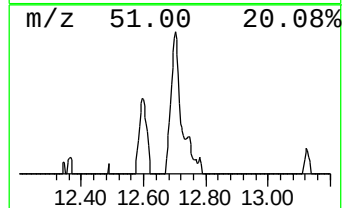
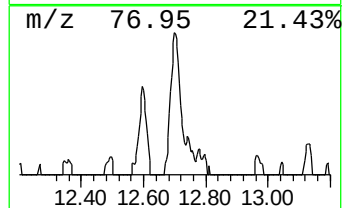
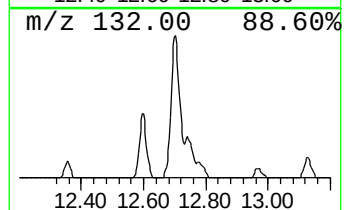
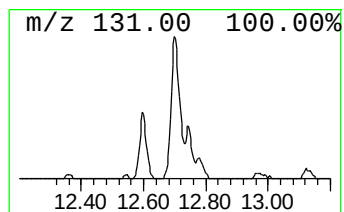
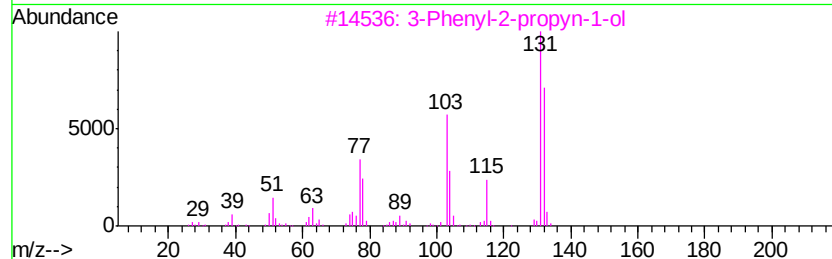
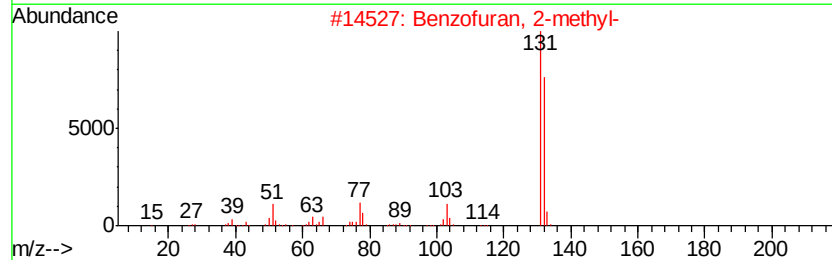
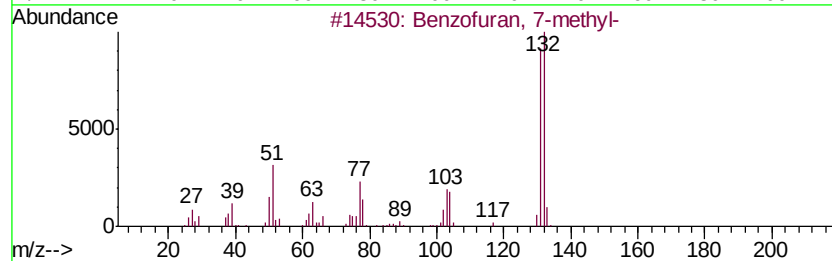
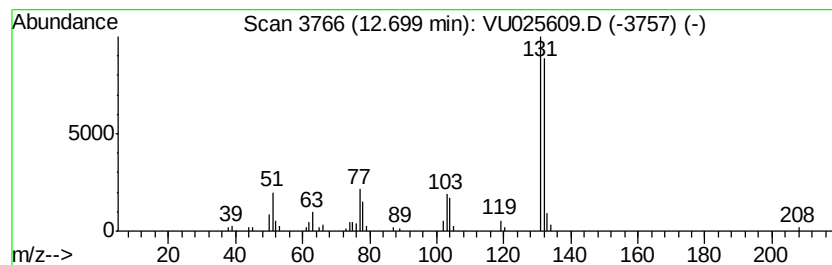
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Quant Title : VOC Analysis

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

Peak Number 10 Benzofuran, 7-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	2.60 ug/L	47026	1,4-Dichlorobenzene-d4	11.49

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	95
2			Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	94
3			3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	93
4			Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
5			Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU072318\
Data File : VU025609.D
Acq On : 23 Jul 2018 18:18
Operator : MD/SY
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ALS Vial : 16 Sample Multiplier: 1

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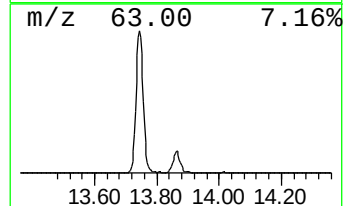
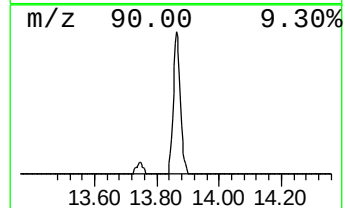
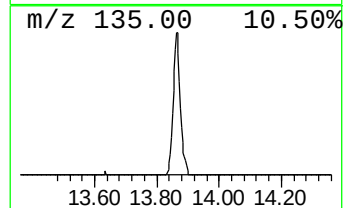
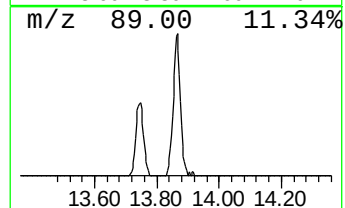
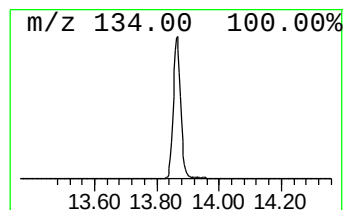
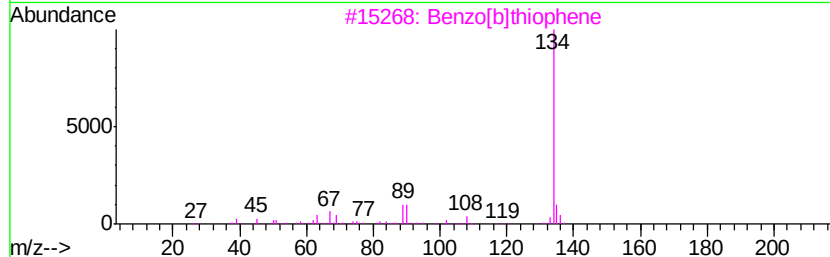
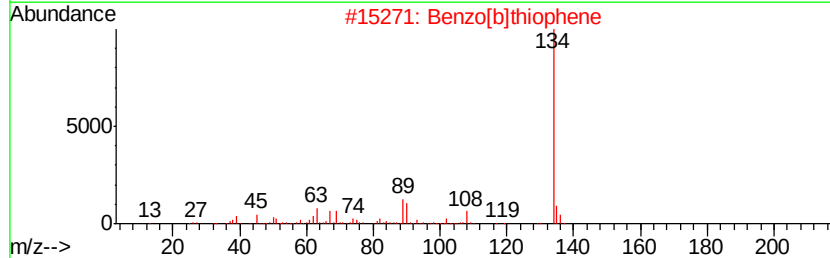
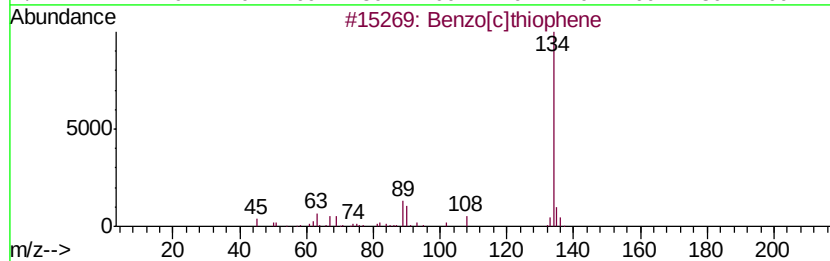
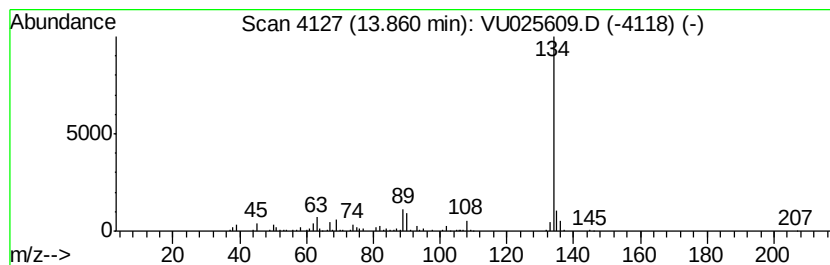
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Quant Title : VOC Analysis

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

Peak Number 12 Benzo[c]thiophene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	6.86 ug/L	123895	1,4-Dichlorobenzene-d4	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[c]thiophene	134	C8H6S	000270-82-6	97
2		Benzo[b]thiophene	134	C8H6S	000095-15-8	94
3		Benzo[b]thiophene	134	C8H6S	000095-15-8	94
4		Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	94
5		Benzo[b]thiophene	134	C8H6S	000095-15-8	94



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072318\
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ClientSampleId :
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072018WMA.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
Isopropyl acetate	5.55	12.7	ug/L	193537	1	5.89	759395	50.0
n-Propyl acetate	6.71	16.3	ug/L	248199	1	5.89	759395	50.0
Propanoic acid, p...	8.42	5.8	ug/L	101924	2	9.09	878292	50.0
Butanoic acid, 1-...	8.90	6.5	ug/L	113810	2	9.09	878292	50.0
Benzofuran	11.40	3.4	ug/L	61901	3	11.49	903303	50.0
Indane	11.77	5.3	ug/L	95611	3	11.49	903303	50.0
Indene	11.98	3.4	ug/L	62059	3	11.49	903303	50.0
Benzofuran, 7-met...	12.70	2.6	ug/L	47026	3	11.49	903303	50.0
Benzo[c]thiophene	13.86	6.9	ug/L	123895	3	11.49	903303	50.0