

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092519\
 Data File : VU034812.D
 Acq On : 25 Sep 2019 19:10
 Operator : JC/SP
 Sample : K4983-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDF1

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	1.177	24	27	32	rVB2	8412	6383	0.19%	0.014%
2	1.392	87	94	106	rBV	308636	328380	9.78%	0.703%
3	1.466	111	117	124	rBV	29611	33339	0.99%	0.071%
4	1.672	173	181	193	rBV	259369	327118	9.74%	0.700%
5	2.257	353	363	373	rVV	451283	687106	20.46%	1.470%
6	2.309	374	379	392	rVB	50084	75275	2.24%	0.161%
7	2.412	407	411	412	rBV3	1888	1434	0.04%	0.003%
8	2.431	413	417	422	rVV6	3563	4339	0.13%	0.009%
9	2.560	451	457	460	rBV6	2400	2362	0.07%	0.005%
10	2.608	467	472	482	rVB3	4506	6364	0.19%	0.014%
11	2.685	485	496	516	rVV	158176	290645	8.66%	0.622%
12	2.871	549	554	557	rBV6	1029	890	0.03%	0.002%
13	2.978	574	587	597	rVB6	4393	9770	0.29%	0.021%
14	3.142	634	638	639	rBV4	1222	867	0.03%	0.002%
15	3.164	639	645	655	rBV8	3712	6359	0.19%	0.014%
16	3.273	672	679	680	rBV5	3291	2897	0.09%	0.006%
17	3.286	680	683	693	rVB5	5041	6810	0.20%	0.015%
18	3.402	710	719	721	rBV6	2949	4279	0.13%	0.009%
19	3.457	732	736	738	rBV5	1650	1110	0.03%	0.002%
20	3.531	752	759	762	rBV6	3353	4034	0.12%	0.009%
21	3.627	783	789	790	rBV4	3866	3328	0.10%	0.007%
22	3.711	808	815	817	rBV8	2023	2436	0.07%	0.005%
23	3.775	832	835	842	rBV6	2008	2045	0.06%	0.004%
24	3.855	851	860	861	rBV7	4043	4094	0.12%	0.009%
25	3.977	895	898	901	rVB4	2302	1539	0.05%	0.003%
26	3.994	901	903	906	rVB3	1839	870	0.03%	0.002%
27	4.071	912	927	940	rBV3	19762	52849	1.57%	0.113%
28	4.151	940	952	985	rBV	239289	702952	20.93%	1.504%
29	4.463	1047	1049	1057	rVB7	1204	1160	0.03%	0.002%
30	4.624	1081	1099	1119	rBV2	346999	831075	24.75%	1.778%
31	4.855	1168	1171	1175	rVV6	1984	1938	0.06%	0.004%
32	4.971	1194	1207	1223	rVB5	31387	73384	2.19%	0.157%
33	5.186	1265	1274	1280	rBV9	2741	4836	0.14%	0.010%
34	5.315	1292	1314	1327	rBV2	736207	2206362	65.70%	4.721%

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092519\
 Data File : VU034812.D
 Acq On : 25 Sep 2019 19:10
 Operator : JC/SP
 Sample : K4983-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDF1

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

35	5.530	1373	1381	1399	rVB2	67874	134219	4.00%	0.287%
36	5.653	1415	1419	1422	rBV6	1554	1154	0.03%	0.002%
37	5.765	1443	1454	1463	rVV6	4856	11103	0.33%	0.024%
38	5.862	1471	1484	1502	rBV	569583	1220285	36.34%	2.611%
39	6.309	1610	1623	1639	rBV	506762	1005352	29.94%	2.151%
40	6.566	1695	1703	1706	rBV3	11711	19542	0.58%	0.042%
41	6.685	1728	1740	1767	rBV	1286342	2359663	70.27%	5.049%
42	7.045	1841	1852	1862	rBV4	17767	34648	1.03%	0.074%
43	7.206	1890	1902	1925	rVV	292462	537145	16.00%	1.149%
44	7.354	1943	1948	1951	rBV6	2264	2681	0.08%	0.006%
45	7.399	1952	1962	1985	rVV	188282	360953	10.75%	0.772%
46	7.543	1994	2007	2019	rBV	1024838	1777866	52.94%	3.804%
47	7.614	2019	2029	2044	rVB	946130	1613591	48.05%	3.453%
48	7.829	2085	2096	2112	rBV	226646	401380	11.95%	0.859%
49	8.074	2164	2172	2177	rBV5	8175	11815	0.35%	0.025%
50	8.135	2180	2191	2207	rBV	305321	500592	14.91%	1.071%
51	8.212	2207	2215	2218	rBV5	25702	35568	1.06%	0.076%
52	8.289	2229	2239	2262	rBV	919806	1576074	46.93%	3.372%
53	8.395	2263	2272	2291	rVB	434484	686476	20.44%	1.469%
54	8.736	2375	2378	2380	rBV4	2180	1678	0.05%	0.004%
55	8.884	2410	2424	2441	rBV	588750	949905	28.29%	2.033%
56	9.067	2463	2481	2506	rBV	818366	1422207	42.35%	3.043%
57	9.228	2520	2531	2552	rVB	737086	1179958	35.14%	2.525%
58	9.350	2556	2569	2588	rBV	2037591	3358043	100.00%	7.185%
59	9.585	2635	2642	2650	rBV3	17807	28904	0.86%	0.062%
60	9.755	2683	2695	2720	rVB	1851326	2974025	88.56%	6.364%
61	9.919	2740	2746	2747	rBV6	6041	5796	0.17%	0.012%
62	10.144	2806	2816	2826	rBV2	76753	120155	3.58%	0.257%
63	10.408	2886	2898	2916	rBV	697262	1114690	33.19%	2.385%
64	10.501	2925	2927	2930	rVB3	1778	916	0.03%	0.002%
65	10.566	2936	2947	2963	rBV	172858	278763	8.30%	0.596%
66	10.659	2964	2976	2994	rVV	620083	1447461	43.10%	3.097%
67	10.749	2995	3004	3017	rVB	381543	578484	17.23%	1.238%
68	10.894	3042	3049	3056	rBV	40014	61423	1.83%	0.131%
69	10.948	3056	3066	3089	rVB	455323	734865	21.88%	1.572%
70	11.125	3109	3121	3137	rBV	1903599	2906323	86.55%	6.219%
71	11.402	3196	3207	3215	rBV	58553	94880	2.83%	0.203%

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092519\
 Data File : VU034812.D
 Acq On : 25 Sep 2019 19:10
 Operator : JC/SP
 Sample : K4983-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDF1

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

72	11.459	3215	3225	3241	rVV	839445	1391824	41.45%	2.978%
73	11.546	3241	3252	3268	rVB	804342	1229129	36.60%	2.630%
74	11.742	3301	3313	3322	rBV	479299	825726	24.59%	1.767%
75	11.836	3332	3342	3368	rVB2	1115741	2139055	63.70%	4.577%
76	11.958	3371	3380	3394	rVV	81624	139758	4.16%	0.299%
77	12.032	3396	3403	3415	rVB	61829	98046	2.92%	0.210%
78	12.122	3422	3431	3436	rBV2	141029	220700	6.57%	0.472%
79	12.228	3455	3464	3471	rBV	210761	320408	9.54%	0.686%
80	12.331	3486	3496	3519	rBV3	173504	341685	10.18%	0.731%
81	12.530	3547	3558	3569	rVB3	77389	128632	3.83%	0.275%
82	12.595	3571	3578	3580	rVV2	29017	33590	1.00%	0.072%
83	12.627	3582	3588	3596	rVV	147187	224964	6.70%	0.481%
84	12.681	3596	3605	3617	rVB	241674	376056	11.20%	0.805%
85	12.942	3678	3686	3701	rVB	167772	258991	7.71%	0.554%
86	13.099	3717	3735	3748	rBV3	425548	732583	21.82%	1.568%
87	13.266	3778	3787	3803	rVB3	99950	179040	5.33%	0.383%
88	13.379	3812	3822	3831	rBV6	41648	74338	2.21%	0.159%
89	13.434	3832	3839	3848	rVB3	41252	63254	1.88%	0.135%
90	13.488	3848	3856	3871	rBV5	56434	114030	3.40%	0.244%
91	13.720	3915	3928	3955	rBV	1023172	1720368	51.23%	3.681%
92	13.842	3958	3966	3976	rVB	49902	86512	2.58%	0.185%
93	14.131	4048	4056	4069	rVB3	37619	63166	1.88%	0.135%
94	14.315	4105	4113	4125	rBV6	31625	66555	1.98%	0.142%
95	14.453	4150	4156	4167	rVB5	15235	25846	0.77%	0.055%
96	14.517	4168	4176	4188	rVB4	26374	43523	1.30%	0.093%
97	14.720	4235	4239	4242	rBV5	3197	3272	0.10%	0.007%
98	14.803	4260	4265	4271	rBV4	8697	9952	0.30%	0.021%
99	14.858	4272	4282	4298	rBV	172029	312374	9.30%	0.668%
100	15.041	4330	4339	4355	rBV	156959	274145	8.16%	0.587%

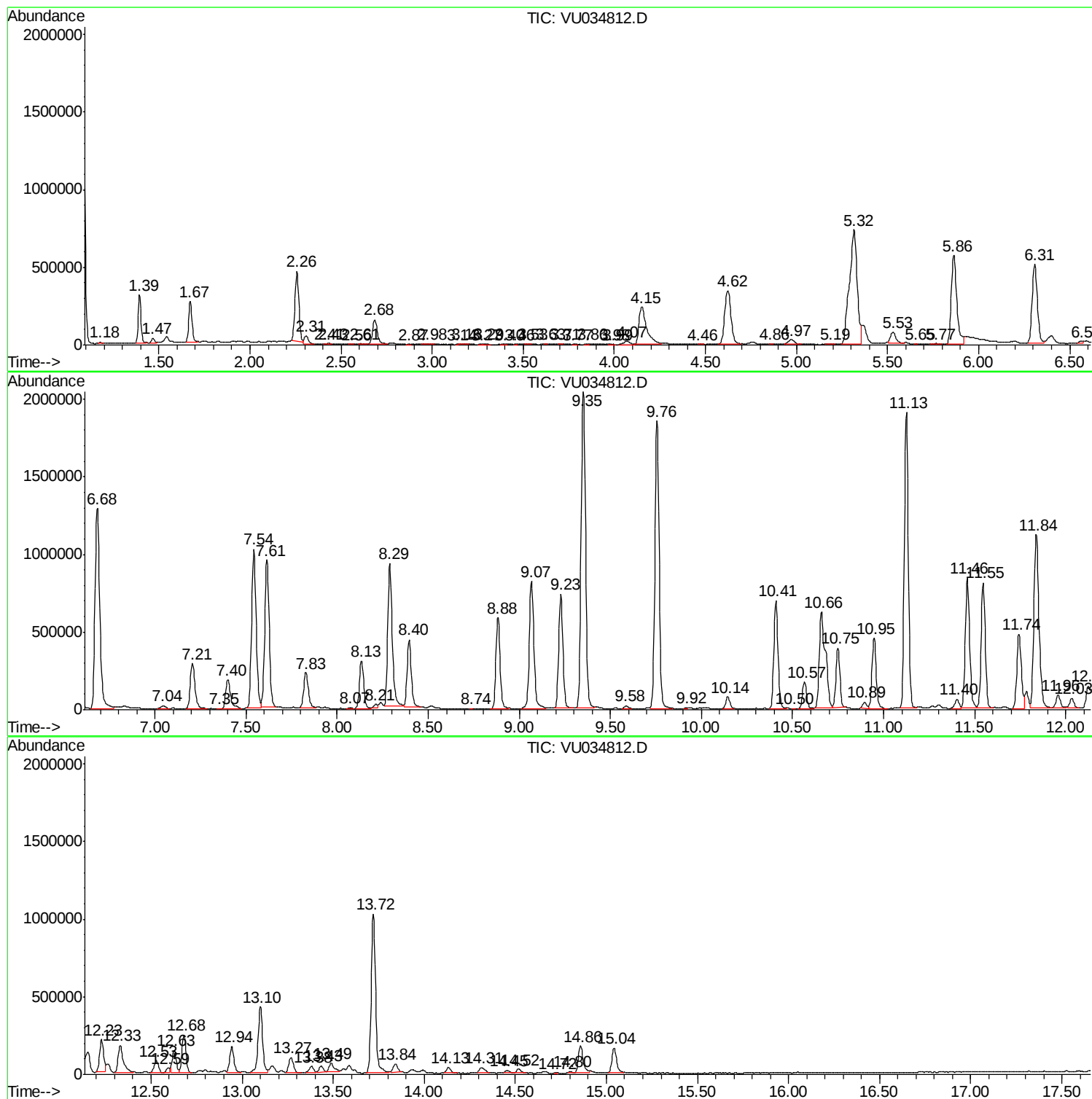
Sum of corrected areas: 46734734

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092519\
Data File : VU034812.D
Acq On : 25 Sep 2019 19:10
Operator : JC/SP
Sample : K4983-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDF1

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092519\
Data File : VU034812.D
Acq On : 25 Sep 2019 19:10
Operator : JC/SP
Sample : K4983-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDF1

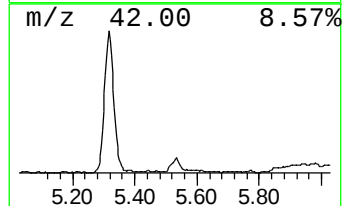
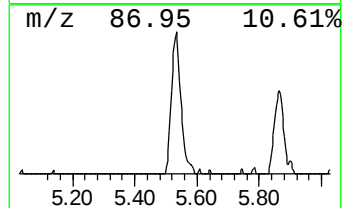
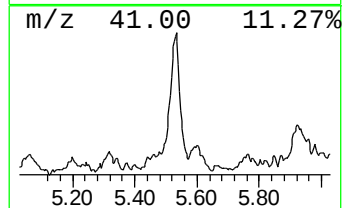
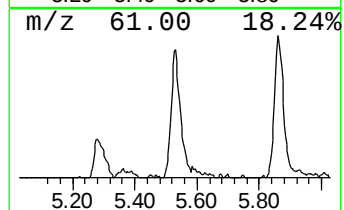
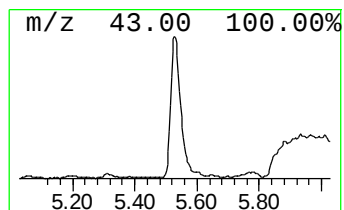
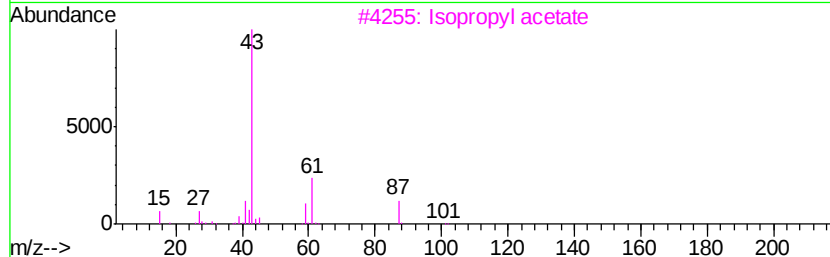
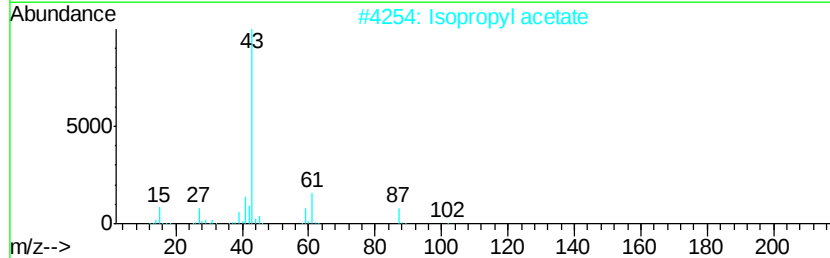
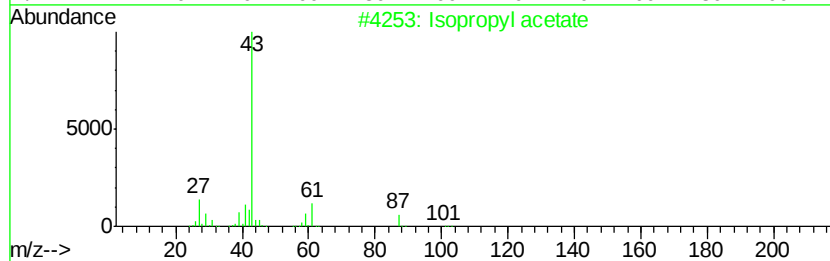
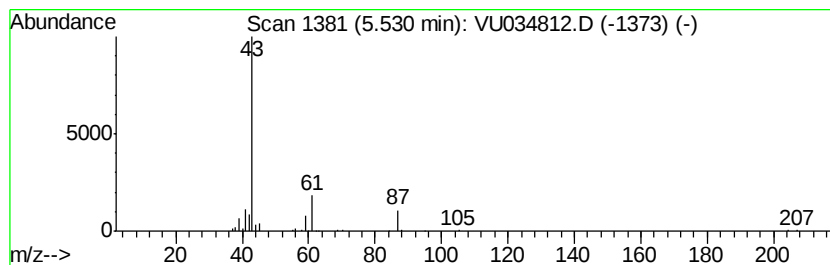
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

Peak Number 1 Isopropyl acetate Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.53	5.50 ug/L	134219	1,4-Difluorobenzene	5.86

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	72
3			Isopropyl acetate	102	C5H10O2	000108-21-4	72
4			Isopropyl acetate	102	C5H10O2	000108-21-4	56
5			2-Pentanol, acetate	130	C7H14O2	000626-38-0	33



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092519\
Data File : VU034812.D
Acq On : 25 Sep 2019 19:10
Operator : JC/SP
Sample : K4983-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BDF1

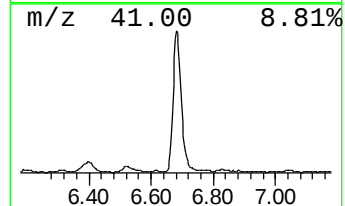
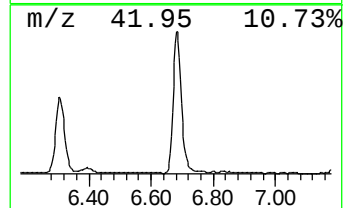
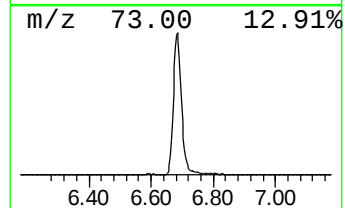
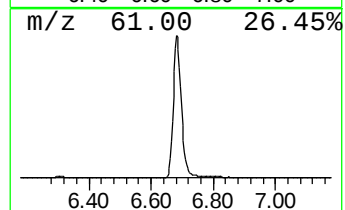
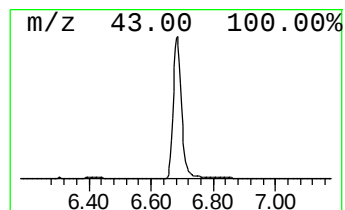
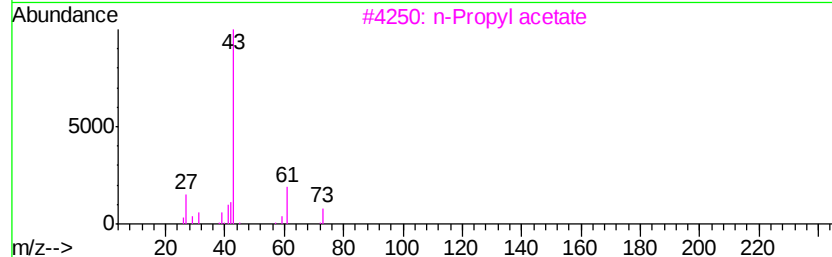
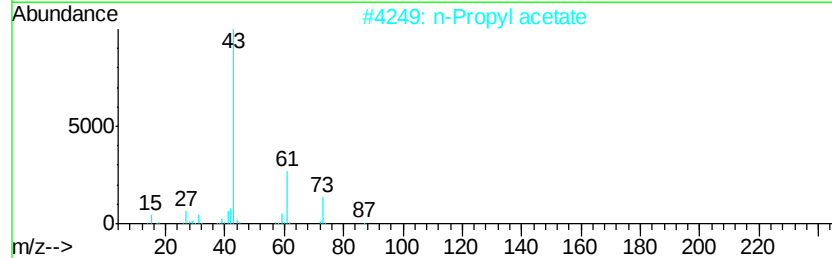
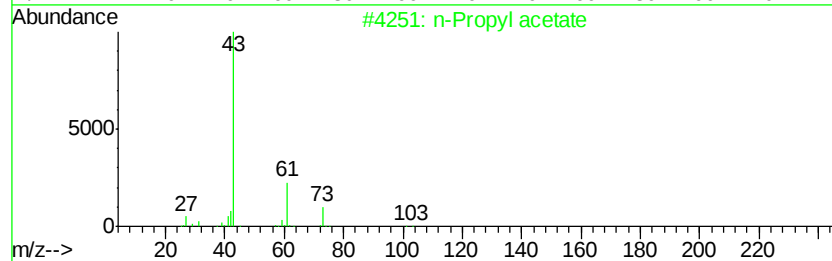
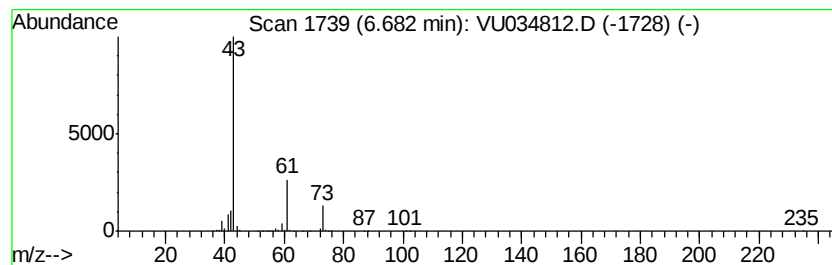
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

Peak Number 2 n-Propyl acetate Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	96.68 ug/L	2359660	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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092519\
Data File : VU034812.D
Acq On : 25 Sep 2019 19:10
Operator : JC/SP
Sample : K4983-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDF1

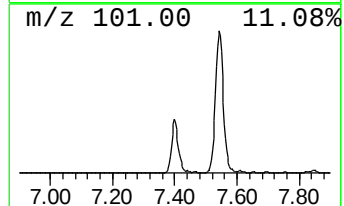
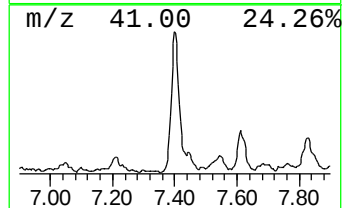
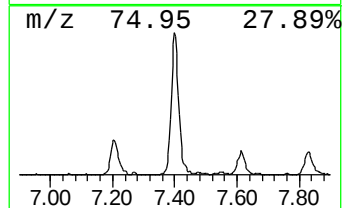
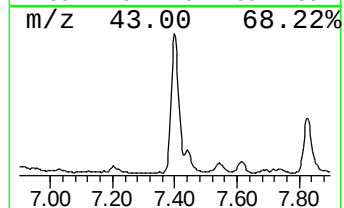
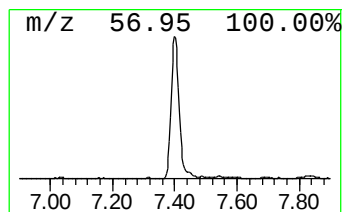
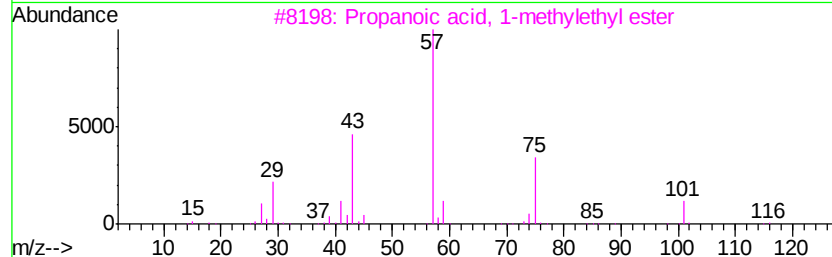
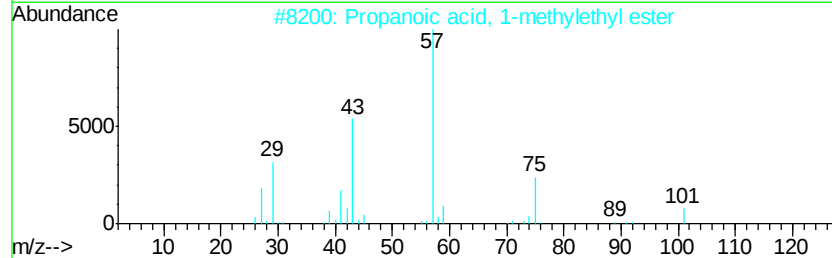
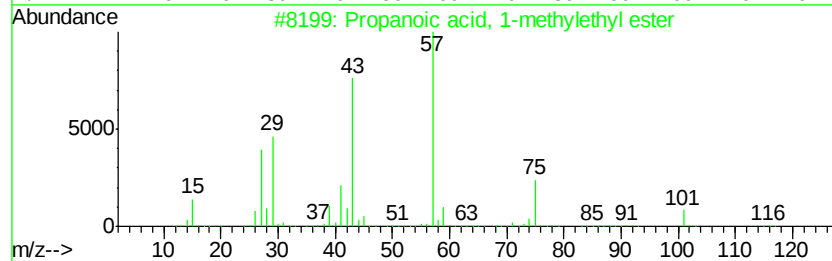
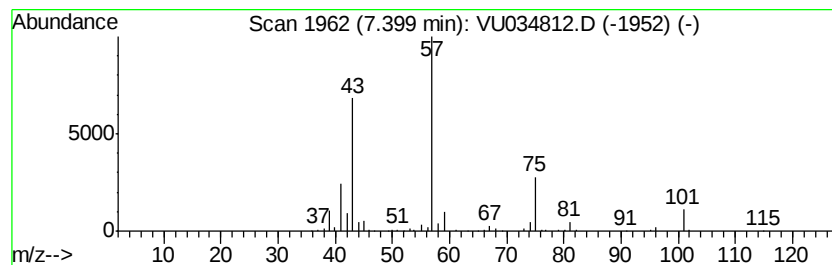
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

Peak Number 4 Propanoic acid, 1-methyleth... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.40	14.79 ug/L	360953	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	78
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	50
5		Propanoic acid, 1-methylethyl ester	116	C6H12O2	000637-78-5	36



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092519\
Data File : VU034812.D
Acq On : 25 Sep 2019 19:10
Operator : JC/SP
Sample : K4983-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDF1

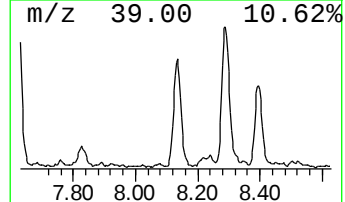
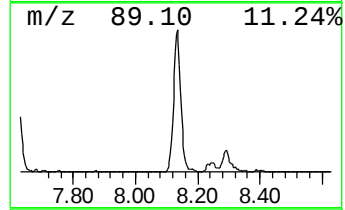
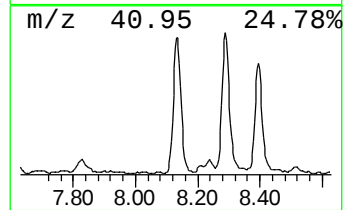
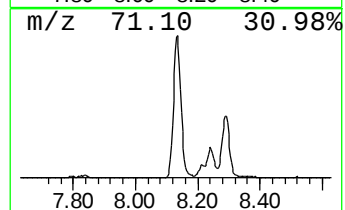
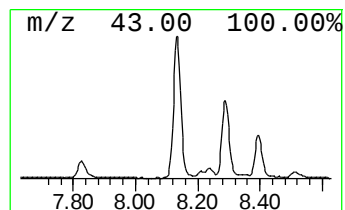
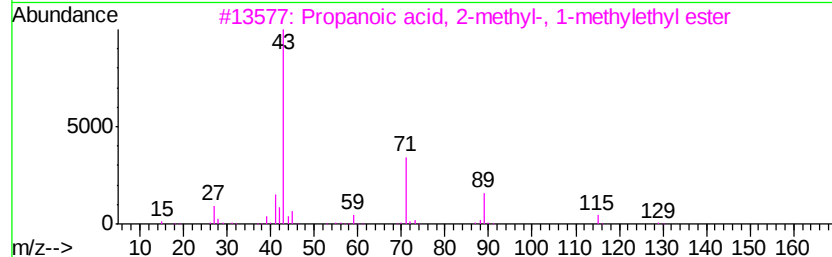
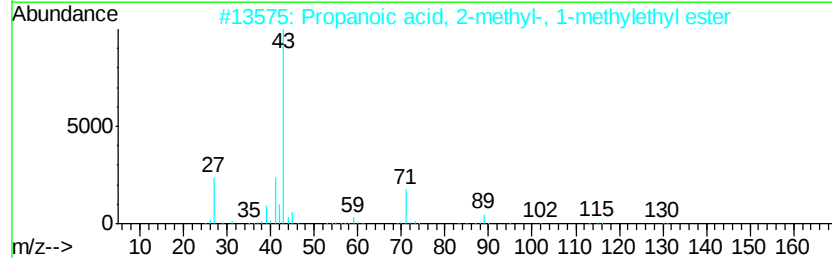
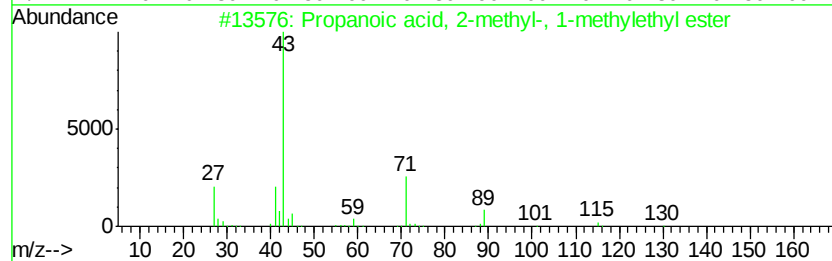
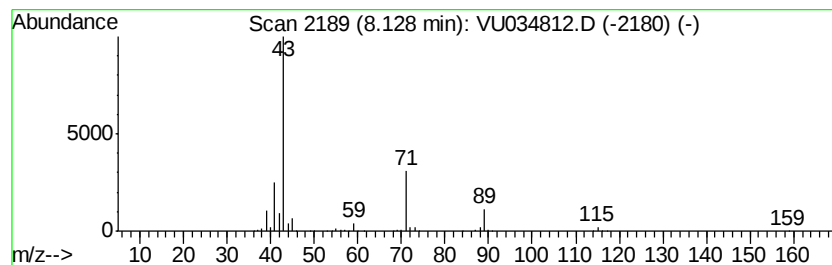
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

Peak Number 5 Propanoic acid, 2-methyl-, ... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.13	17.60 ug/L	500592	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	78
3		Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	72
4		Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	64
5		Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092519\
Data File : VU034812.D
Acq On : 25 Sep 2019 19:10
Operator : JC/SP
Sample : K4983-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BDFD1

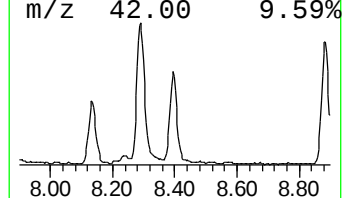
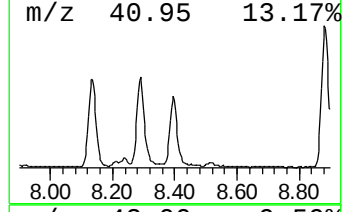
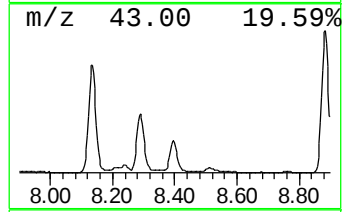
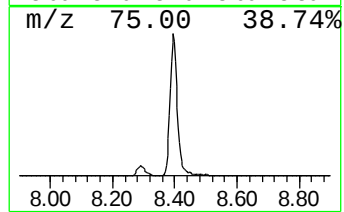
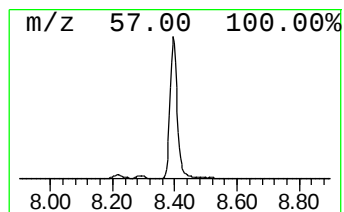
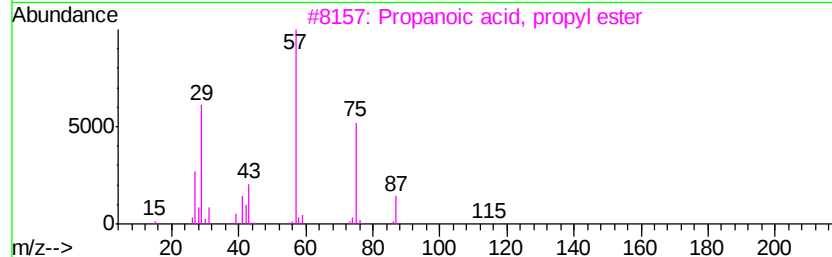
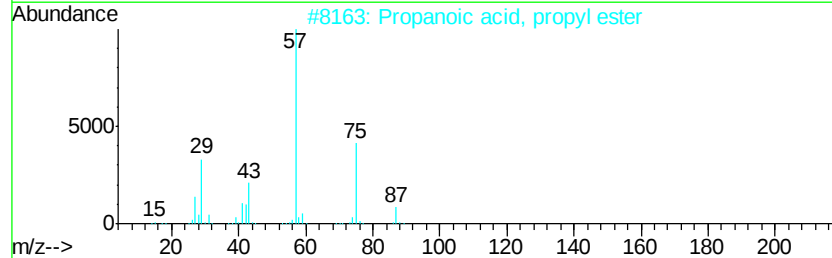
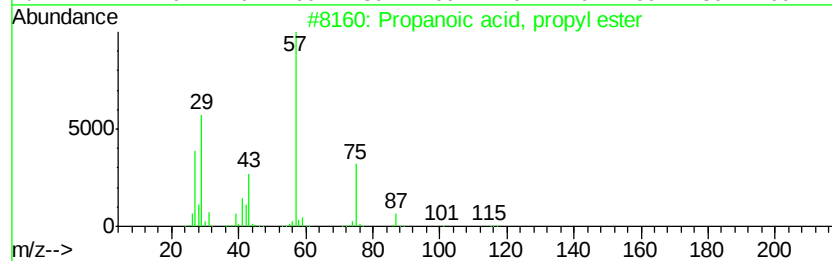
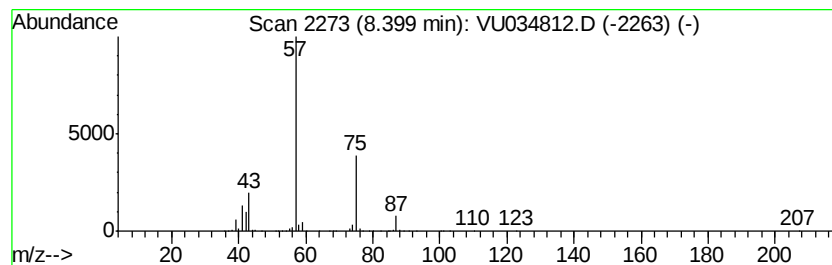
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

Peak Number 6 Propanoic acid, propyl ester Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.40	24.13 ug/L	686476	Chlorobenzene-d5	9.07

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	78
5		Propanoic acid, butyl ester	130	C7H14O2	000590-01-2	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092519\
Data File : VU034812.D
Acq On : 25 Sep 2019 19:10
Operator : JC/SP
Sample : K4983-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BDF1

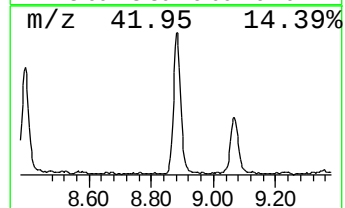
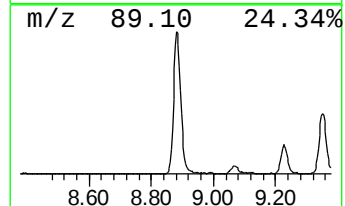
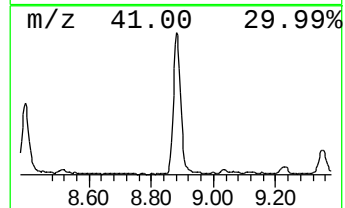
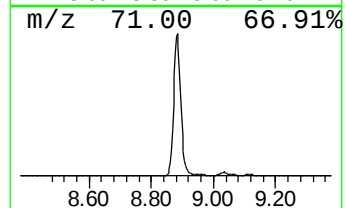
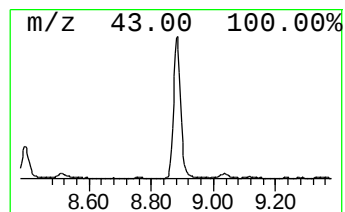
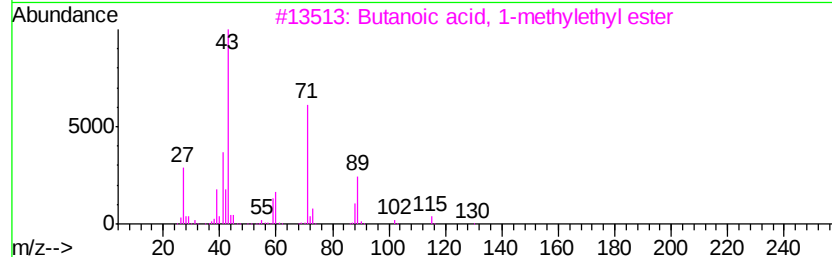
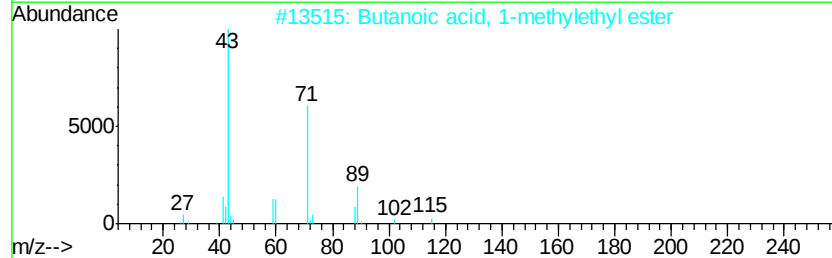
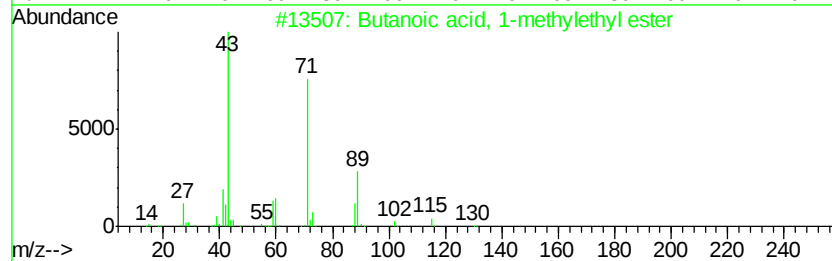
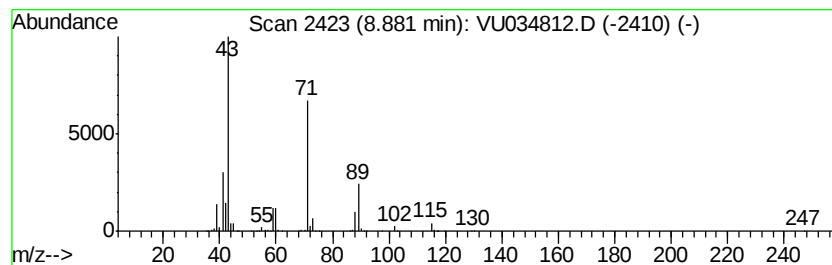
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.88	33.40 ug/L	949905	Chlorobenzene-d5	9.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	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	90
4		Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	86
5		Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092519\
Data File : VU034812.D
Acq On : 25 Sep 2019 19:10
Operator : JC/SP
Sample : K4983-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BDF1

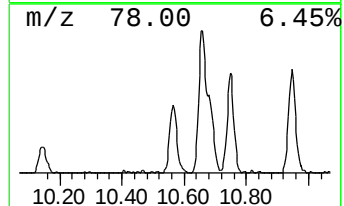
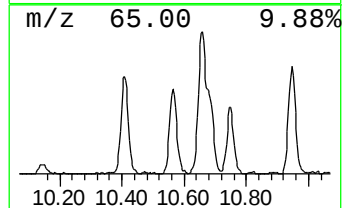
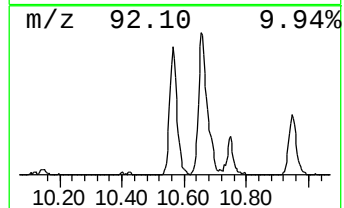
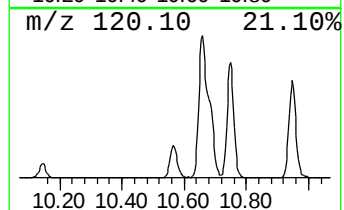
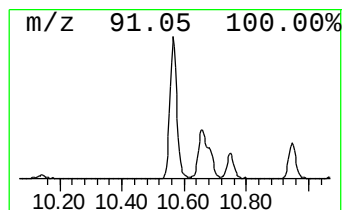
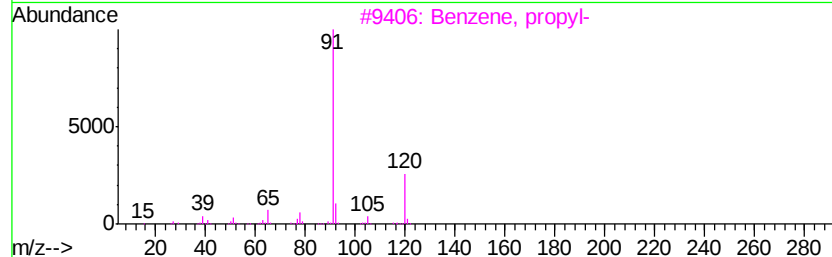
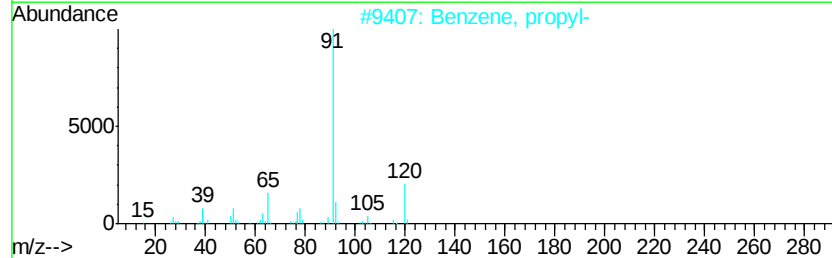
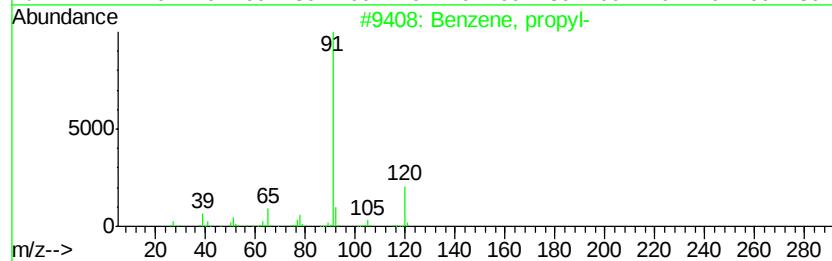
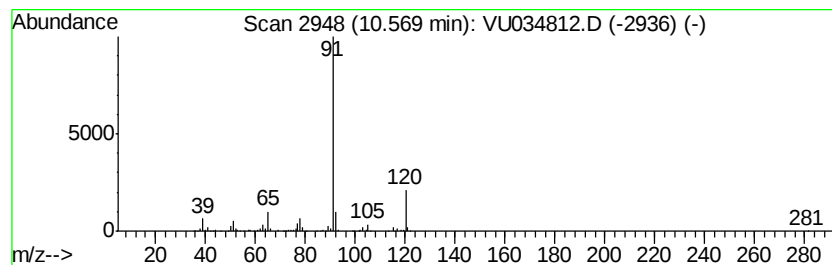
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

Peak Number 8 Benzene, propyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.57	10.01 ug/L	278763	1,4-Dichlorobenzene-d4	11.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, propyl-	120	C9H12	000103-65-1	90
2		Benzene, propyl-	120	C9H12	000103-65-1	90
3		Benzene, propyl-	120	C9H12	000103-65-1	86
4		Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	72
5		Benzaldehyde, 2-methyl-	120	C8H8O	000529-20-4	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092519\
Data File : VU034812.D
Acq On : 25 Sep 2019 19:10
Operator : JC/SP
Sample : K4983-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDF1

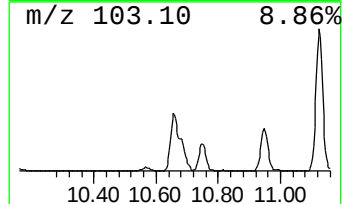
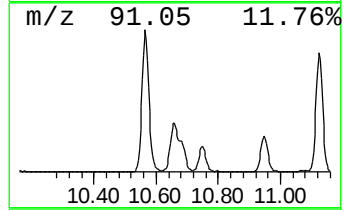
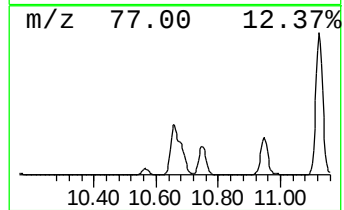
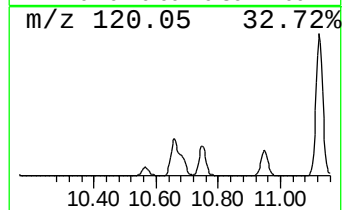
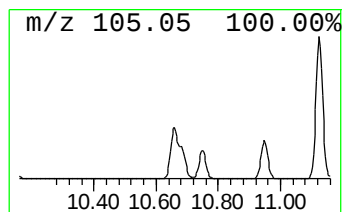
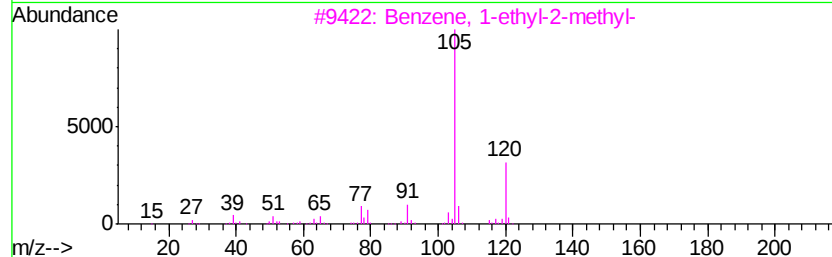
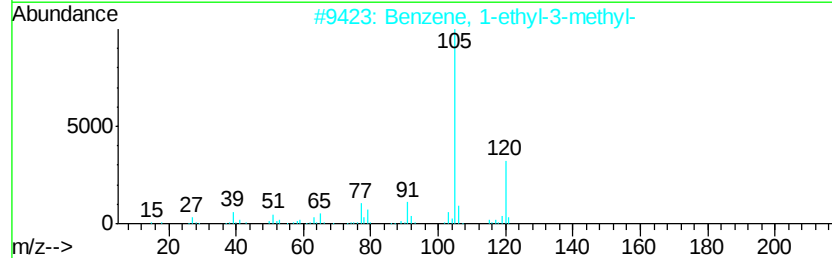
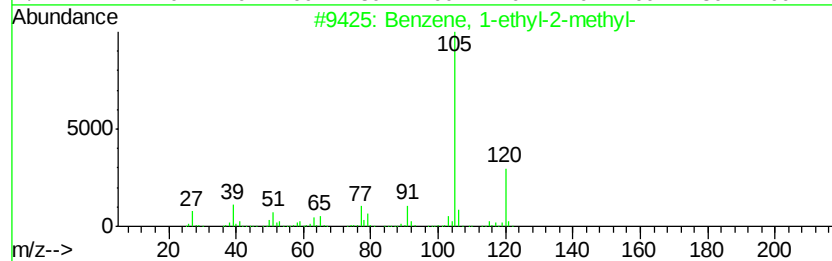
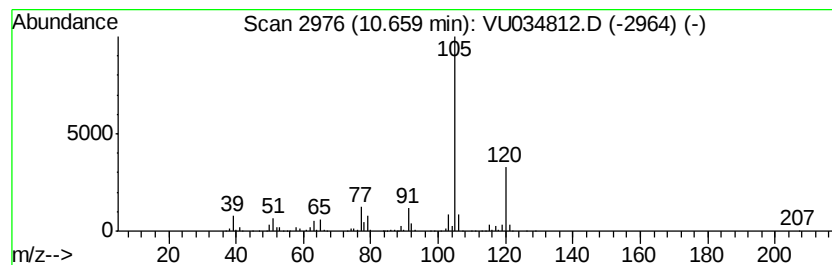
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

Peak Number 9 Benzene, 1-ethyl-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	52.00 ug/L	1447460	1,4-Dichlorobenzene-d4	11.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
3		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
4		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
5		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092519\
Data File : VU034812.D
Acq On : 25 Sep 2019 19:10
Operator : JC/SP
Sample : K4983-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDF1

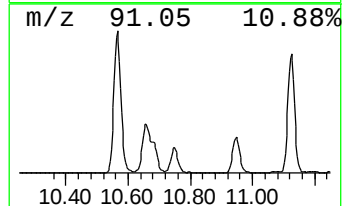
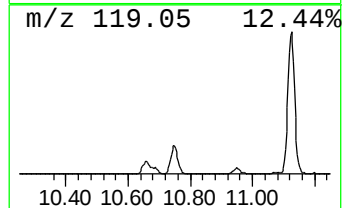
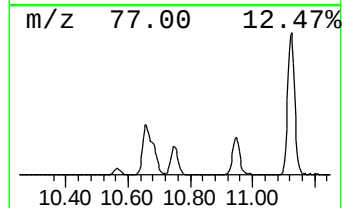
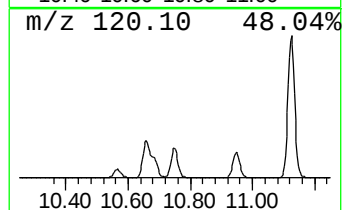
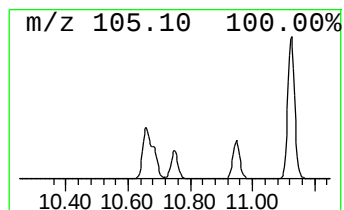
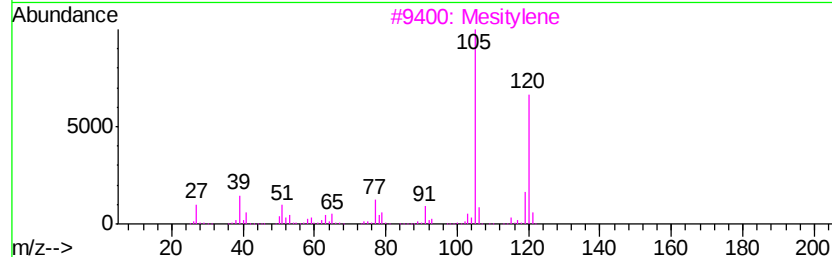
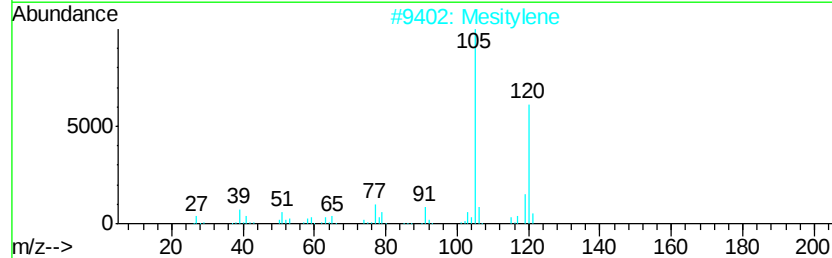
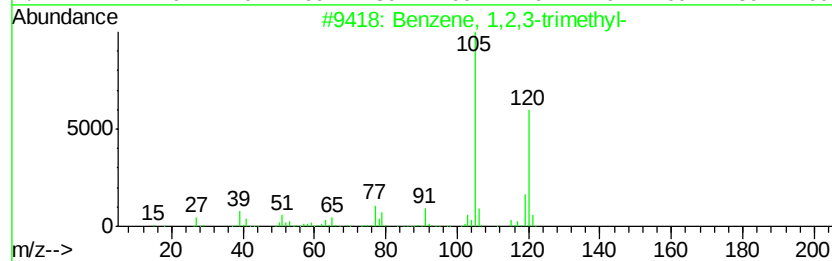
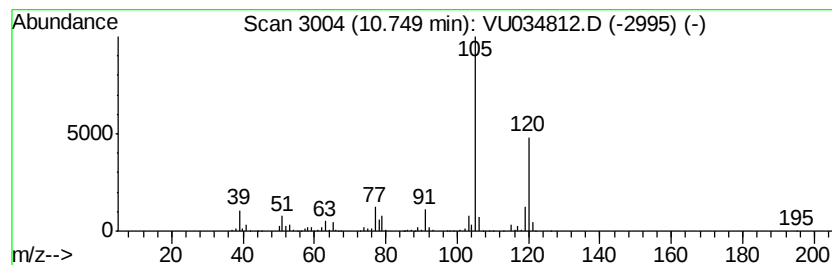
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

Peak Number 10 Benzene, 1,2,3-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	20.78 ug/L	578484	1,4-Dichlorobenzene-d4	11.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2		Mesitylene	120	C9H12	000108-67-8	95
3		Mesitylene	120	C9H12	000108-67-8	95
4		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
5		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092519\
Data File : VU034812.D
Acq On : 25 Sep 2019 19:10
Operator : JC/SP
Sample : K4983-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDF1

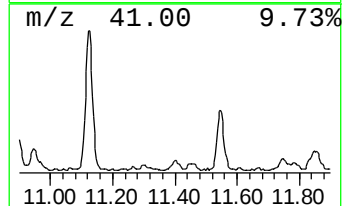
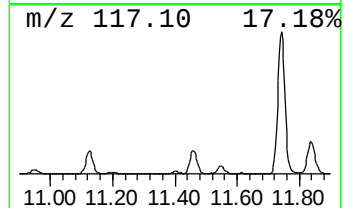
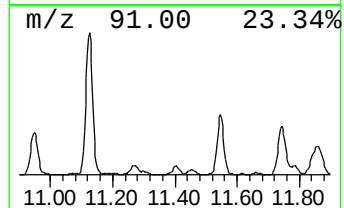
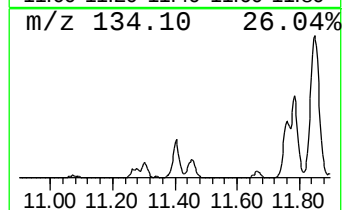
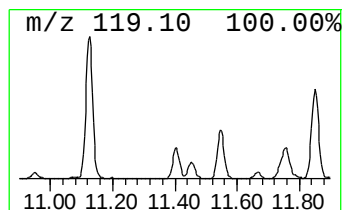
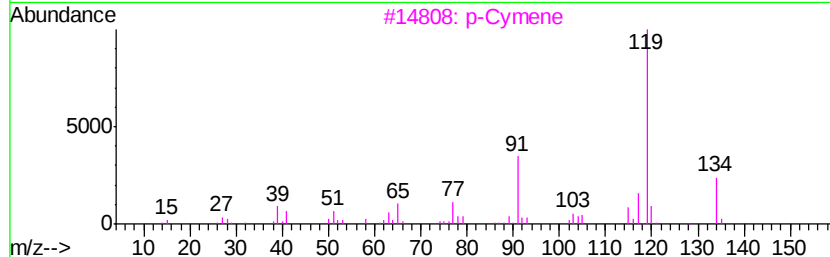
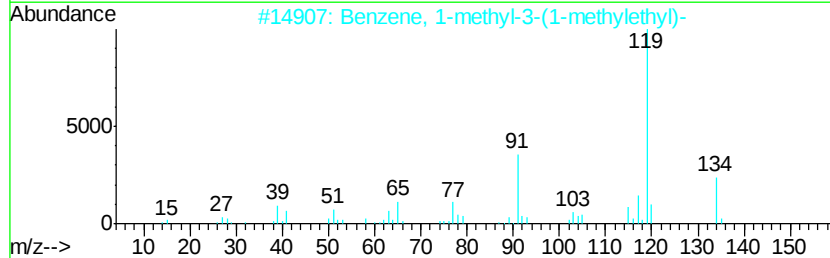
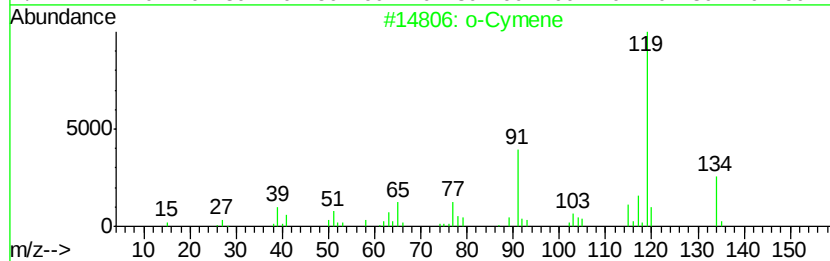
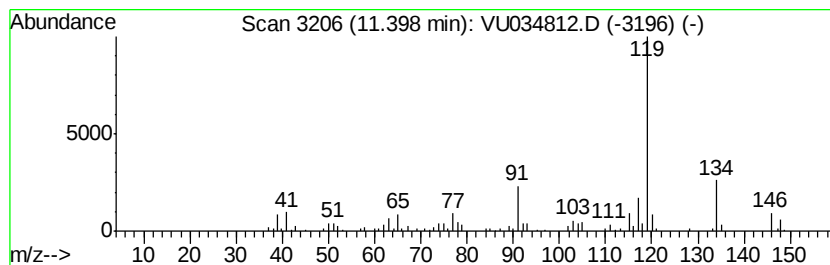
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

Peak Number 13 o-Cymene Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	3.41 ug/L	94880	1,4-Dichlorobenzene-d4	11.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	o-Cymene	134	C10H14	000527-84-4	94
2		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	93
3		p-Cymene	134	C10H14	000099-87-6	93
4		o-Cymene	134	C10H14	000527-84-4	93
5		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092519\
Data File : VU034812.D
Acq On : 25 Sep 2019 19:10
Operator : JC/SP
Sample : K4983-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDF1

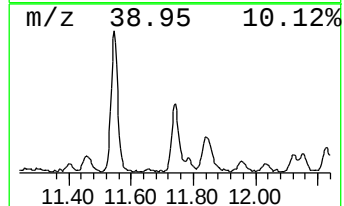
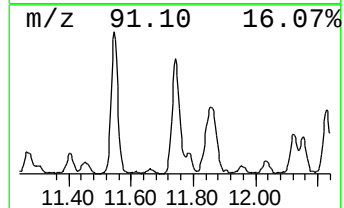
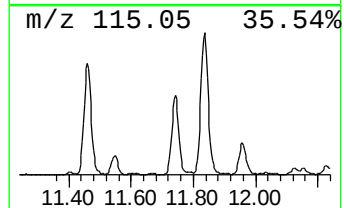
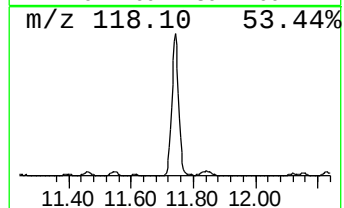
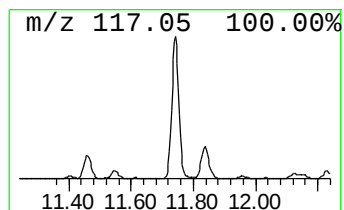
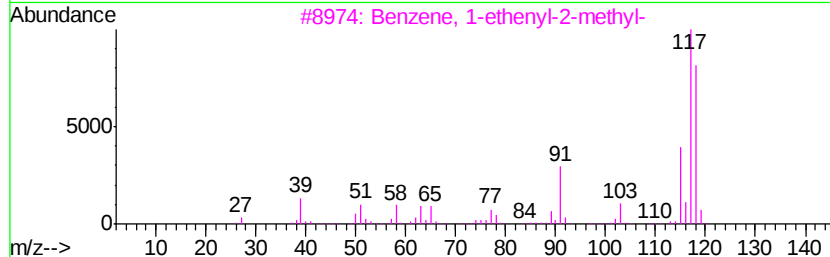
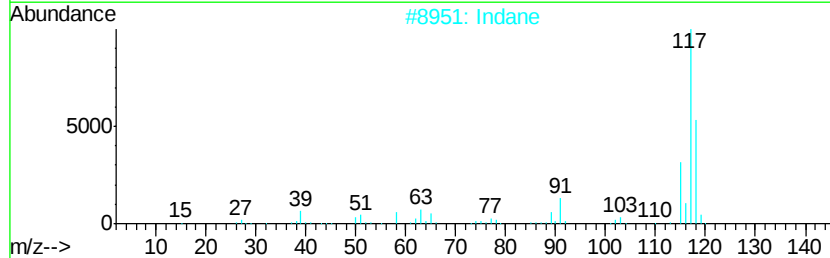
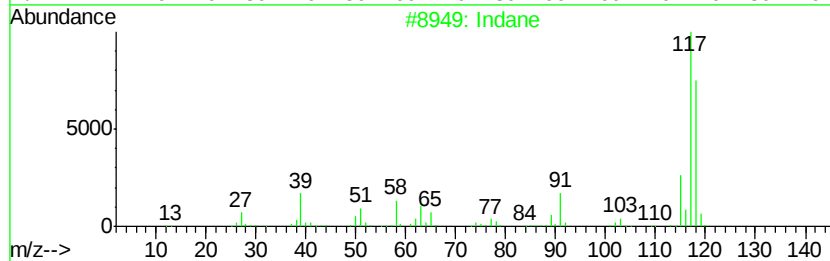
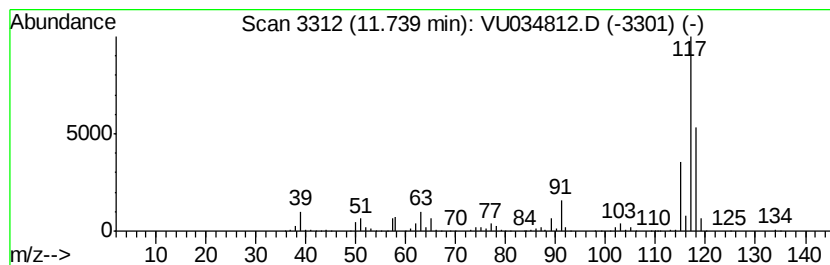
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

Peak Number 15 Indane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	29.66 ug/L	825726	1,4-Dichlorobenzene-d4	11.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Indane	118	C9H10	000496-11-7	93
2		Indane	118	C9H10	000496-11-7	91
3		Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	78
4		Benzene, 2-propenyl-	118	C9H10	000300-57-2	74
5		Benzene, cyclopropyl-	118	C9H10	000873-49-4	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092519\
Data File : VU034812.D
Acq On : 25 Sep 2019 19:10
Operator : JC/SP
Sample : K4983-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BDF1

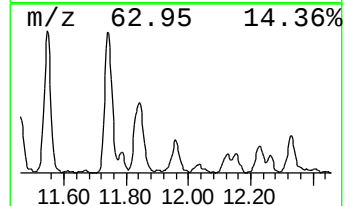
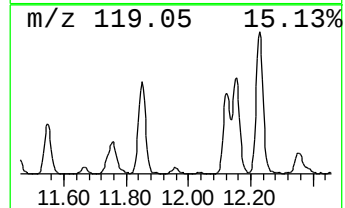
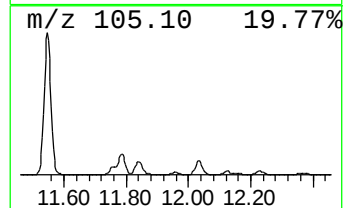
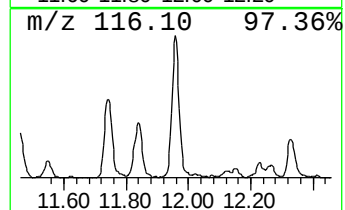
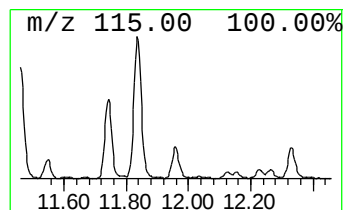
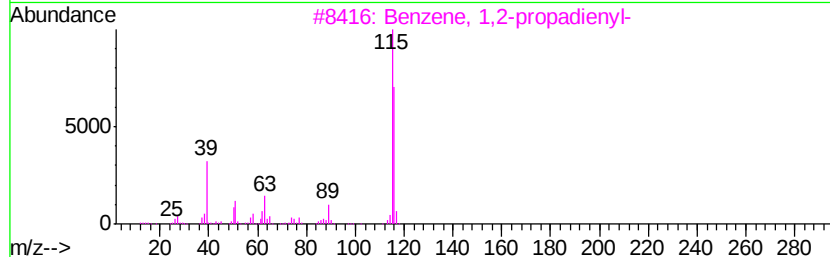
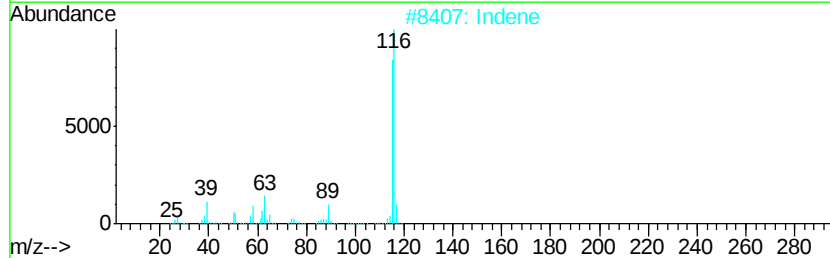
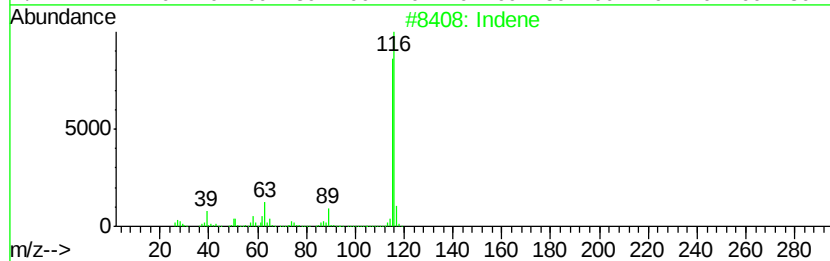
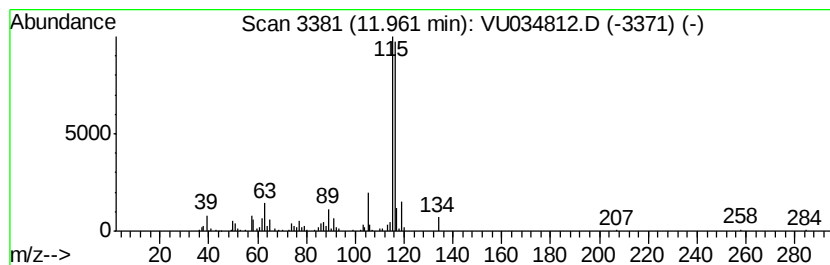
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

Peak Number 16 Indene Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	5.02 ug/L	139758	1,4-Dichlorobenzene-d4	11.46

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene			116	C9H8	000095-13-6	95
2	Indene			116	C9H8	000095-13-6	95
3	Benzene, 1,2-propadienyl-			116	C9H8	002327-99-3	81
4	3-Methylphenylacetylene			116	C9H8	000766-82-5	81
5	Indene			116	C9H8	000095-13-6	81



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092519\
Data File : VU034812.D
Acq On : 25 Sep 2019 19:10
Operator : JC/SP
Sample : K4983-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BPDF1

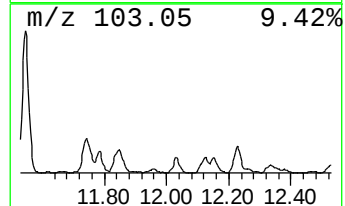
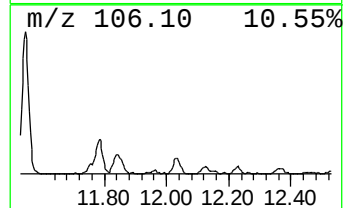
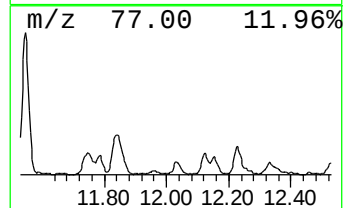
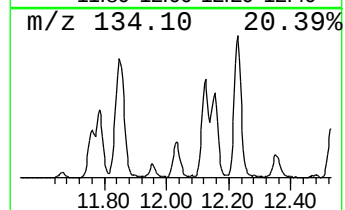
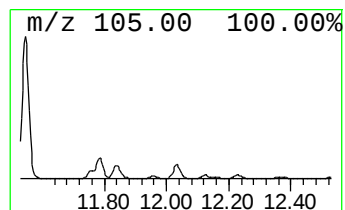
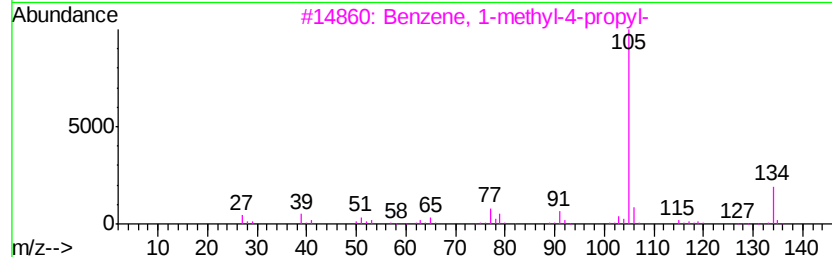
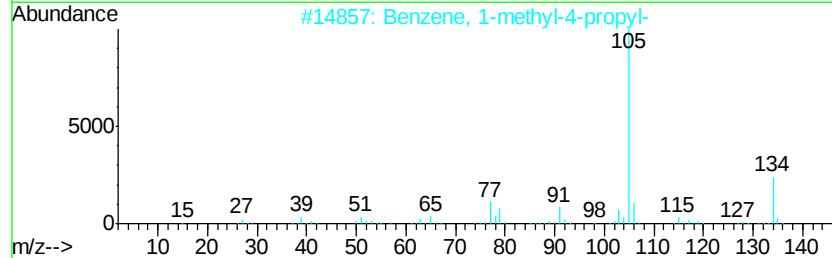
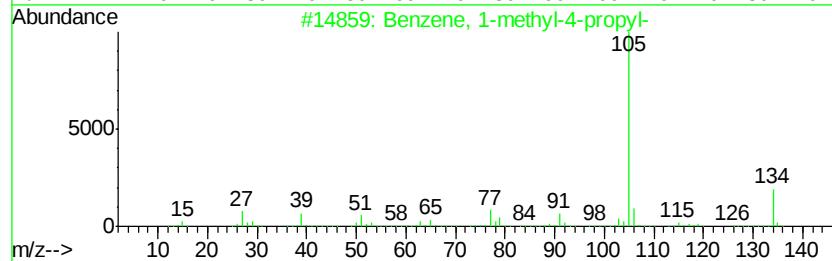
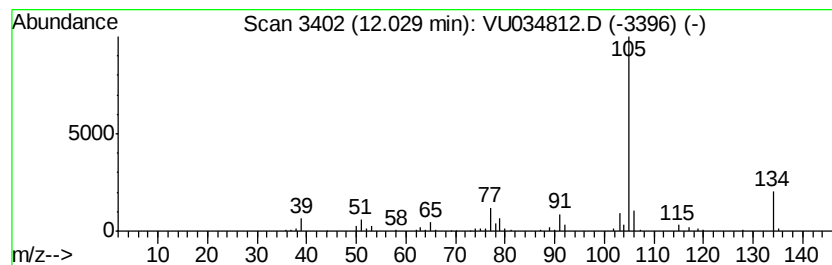
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

Peak Number 17 Benzene, 1-methyl-4-propyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	3.52 ug/L	98046	1,4-Dichlorobenzene-d4	11.46

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	90
2			Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	90
3			Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	90
4			Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	87
5			Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092519\
Data File : VU034812.D
Acq On : 25 Sep 2019 19:10
Operator : JC/SP
Sample : K4983-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDF1

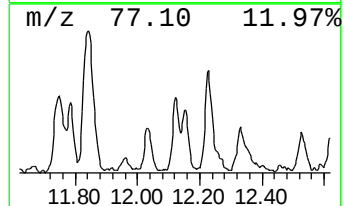
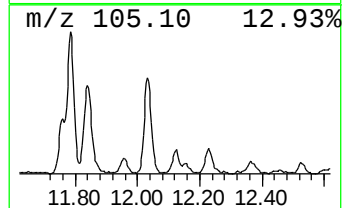
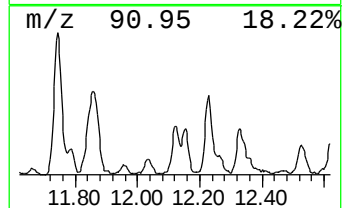
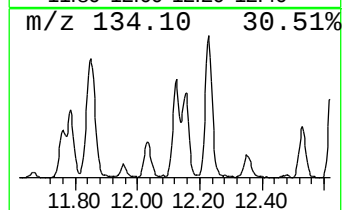
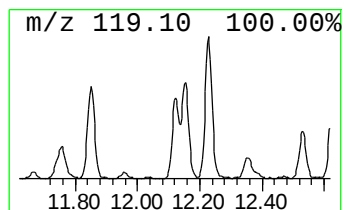
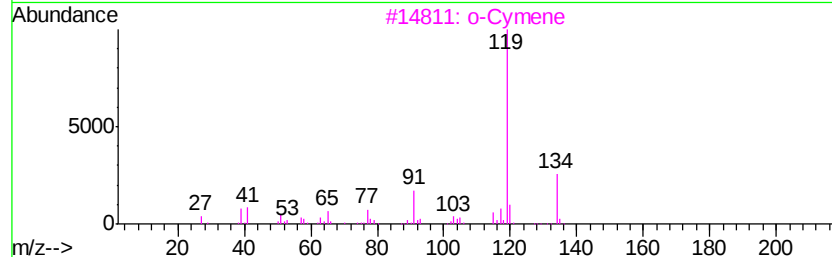
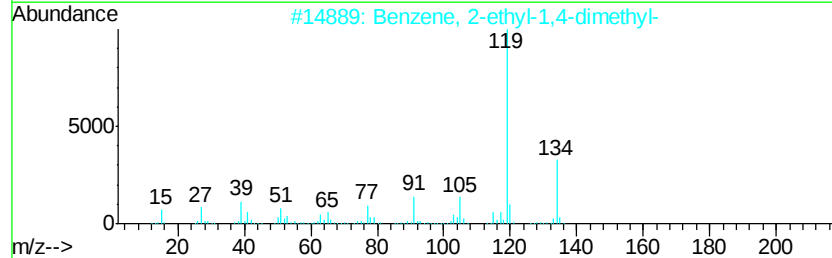
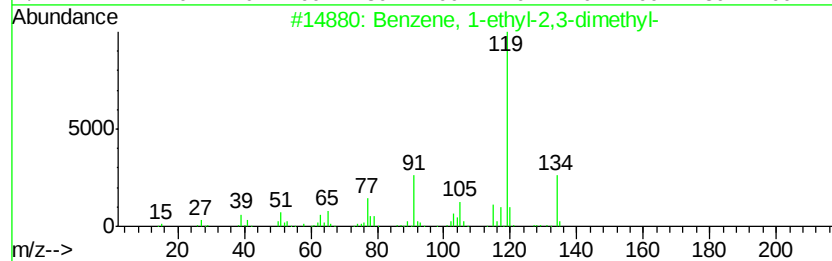
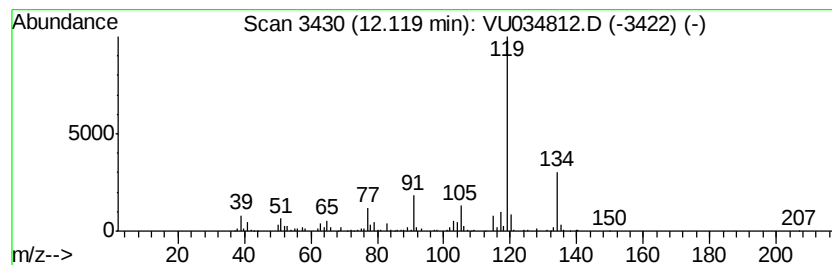
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

Peak Number 18 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	7.93 ug/L	220700	1,4-Dichlorobenzene-d4	11.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
2		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3		o-Cymene	134	C10H14	000527-84-4	95
4		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
5		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092519\
Data File : VU034812.D
Acq On : 25 Sep 2019 19:10
Operator : JC/SP
Sample : K4983-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDF1

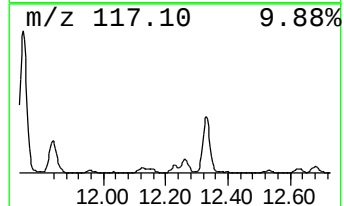
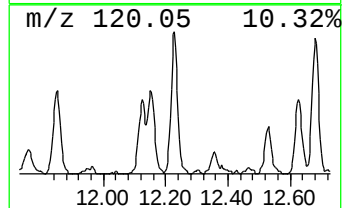
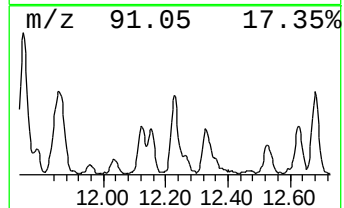
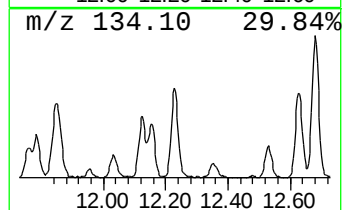
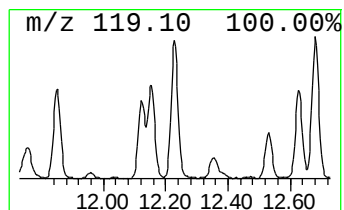
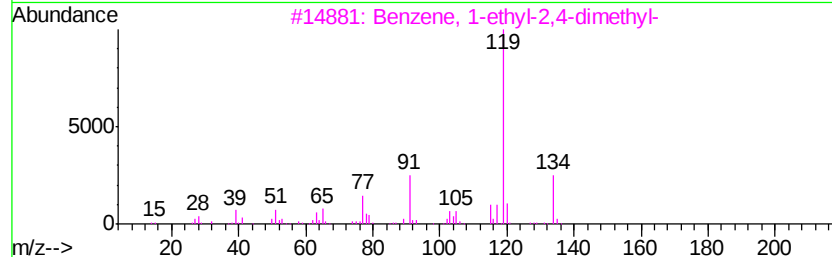
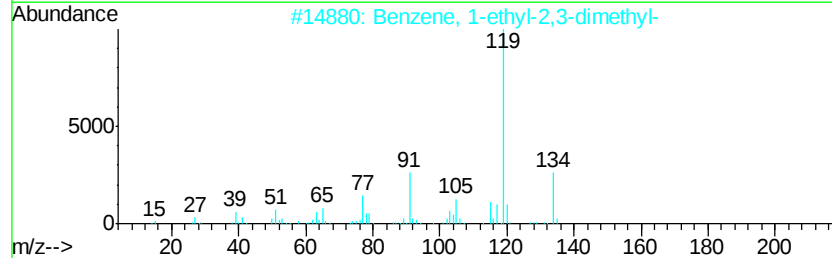
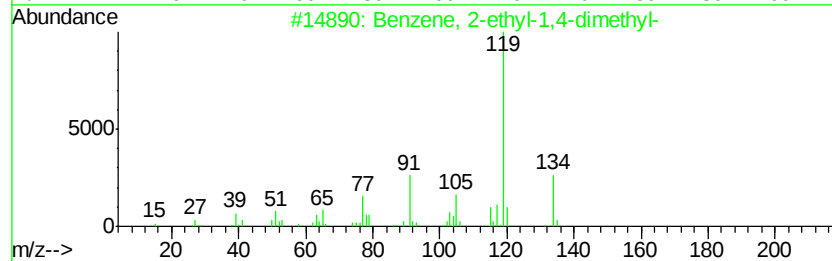
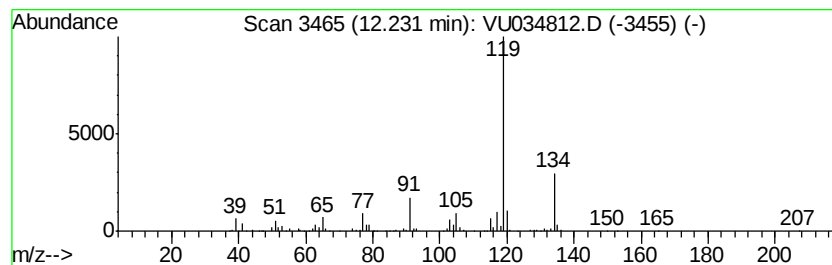
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

Peak Number 19 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	11.51 ug/L	320408	1,4-Dichlorobenzene-d4	11.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
3		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
4		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
5		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092519\
Data File : VU034812.D
Acq On : 25 Sep 2019 19:10
Operator : JC/SP
Sample : K4983-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDF1

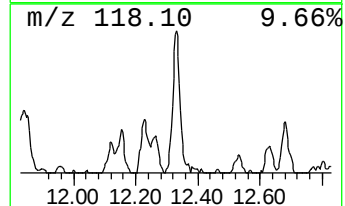
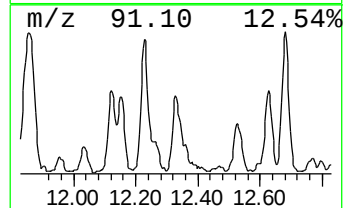
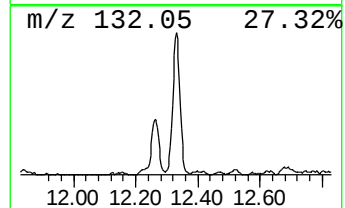
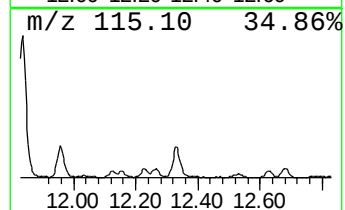
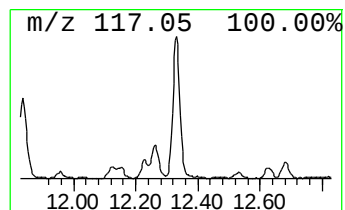
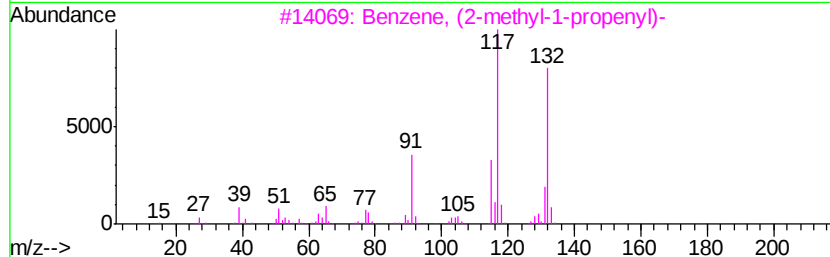
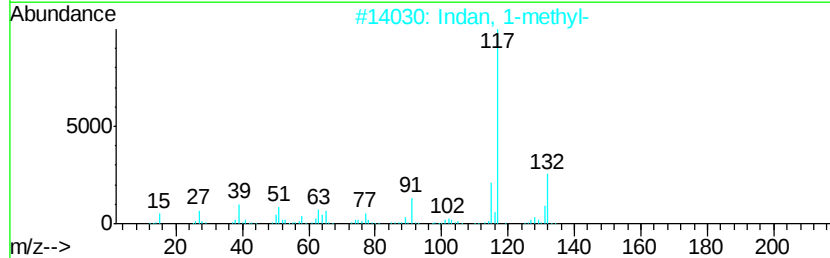
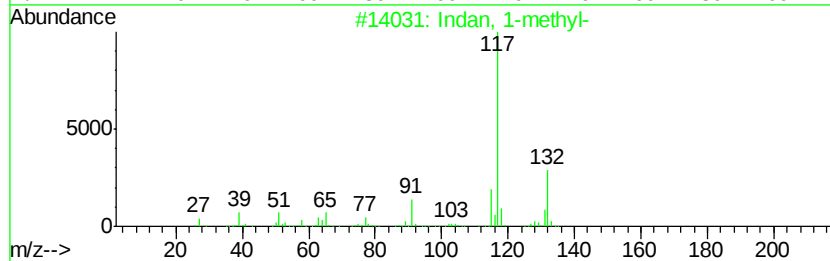
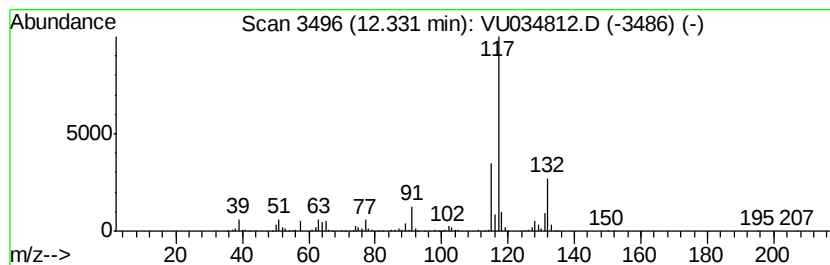
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

Peak Number 20 Indan, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	12.27 ug/L	341685	1,4-Dichlorobenzene-d4	11.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Indan, 1-methyl-	132	C10H12	000767-58-8	90
2		Indan, 1-methyl-	132	C10H12	000767-58-8	90
3		Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	87
4		Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	86
5		Benzene, 2-butenyl-	132	C10H12	001560-06-1	83



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092519\
Data File : VU034812.D
Acq On : 25 Sep 2019 19:10
Operator : JC/SP
Sample : K4983-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDF1

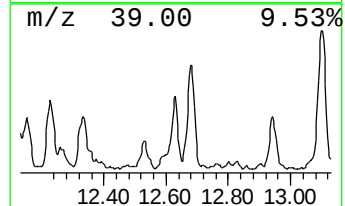
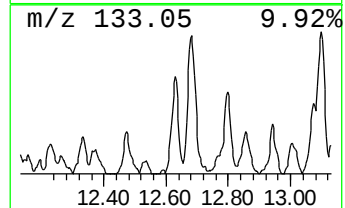
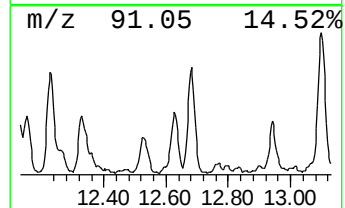
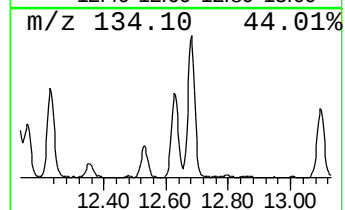
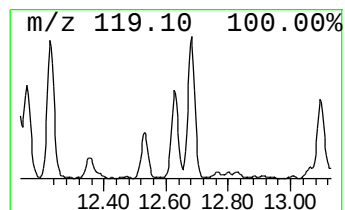
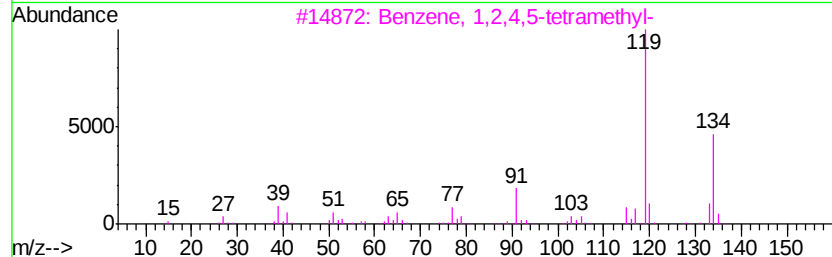
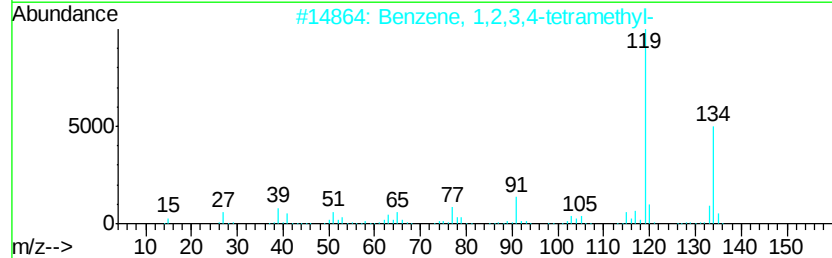
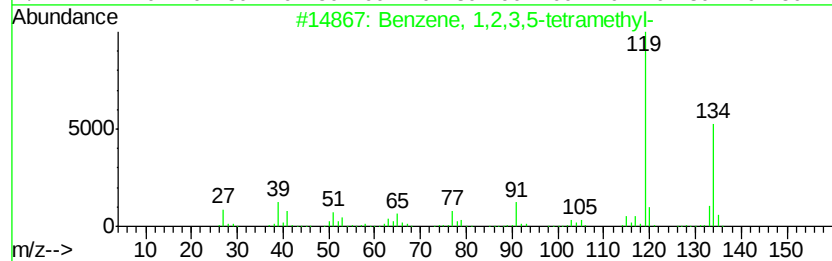
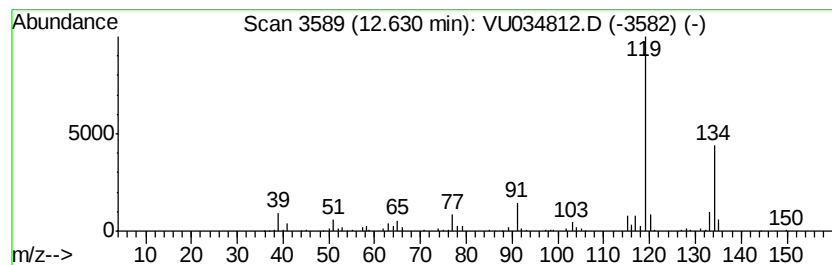
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

Peak Number 22 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	8.08 ug/L	224964	1,4-Dichlorobenzene-d4	11.46

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
2			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
3			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
4			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
5			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092519\
Data File : VU034812.D
Acq On : 25 Sep 2019 19:10
Operator : JC/SP
Sample : K4983-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDF1

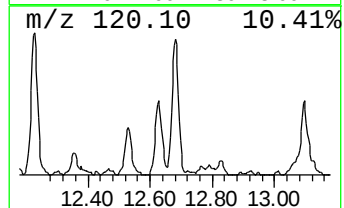
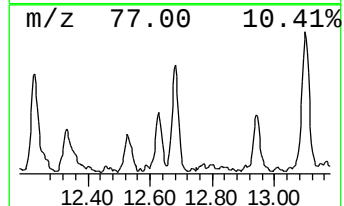
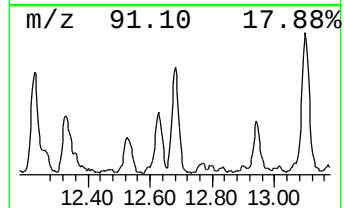
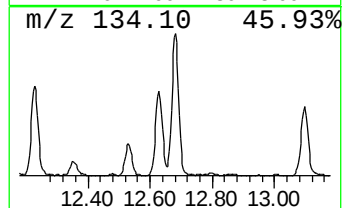
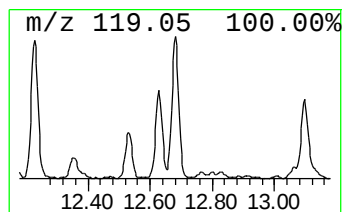
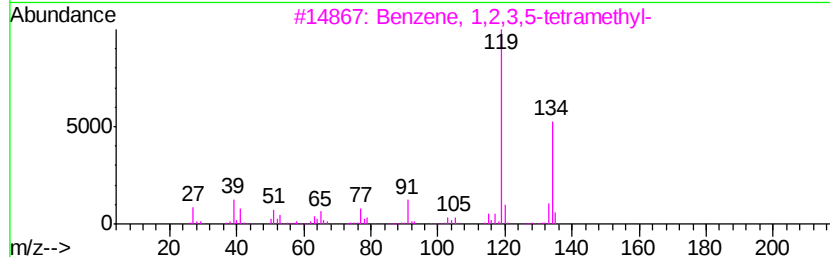
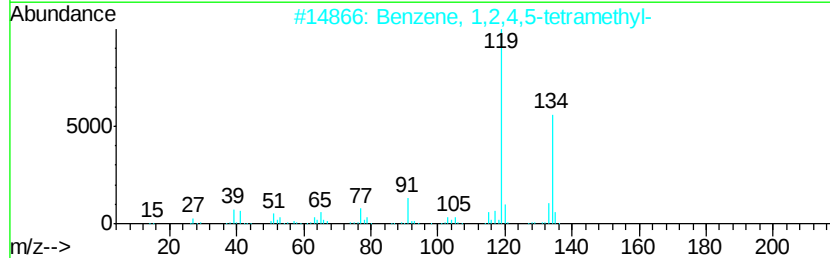
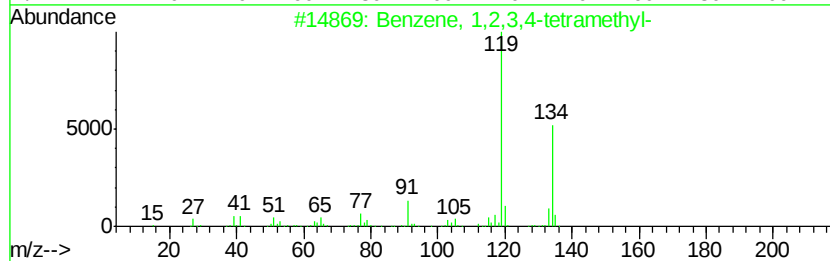
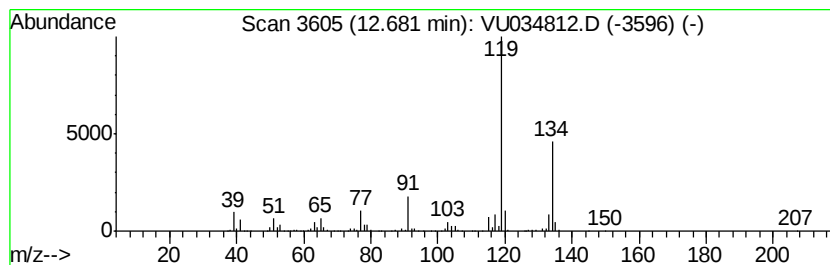
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

Peak Number 23 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.68	13.51 ug/L	376056	1,4-Dichlorobenzene-d4	11.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
2		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
3		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
5		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092519\
Data File : VU034812.D
Acq On : 25 Sep 2019 19:10
Operator : JC/SP
Sample : K4983-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDF1

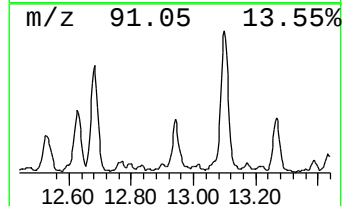
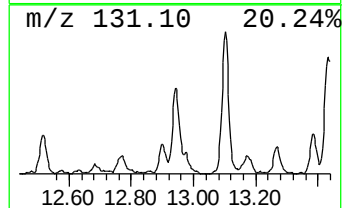
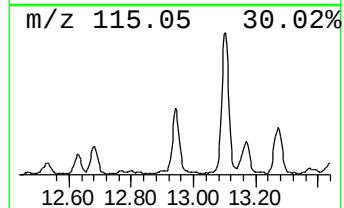
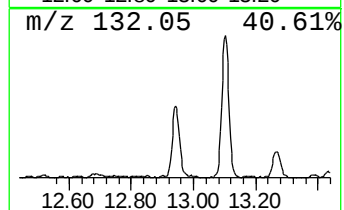
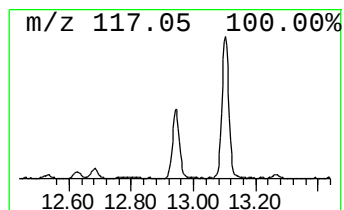
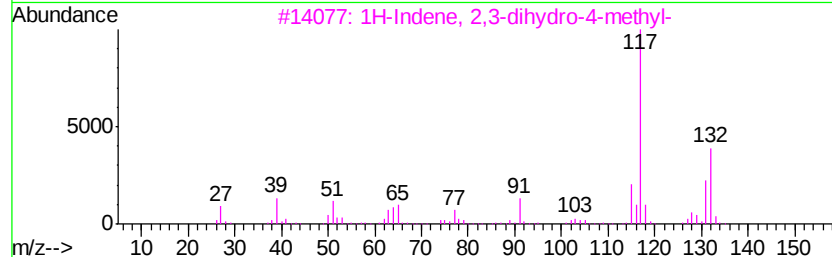
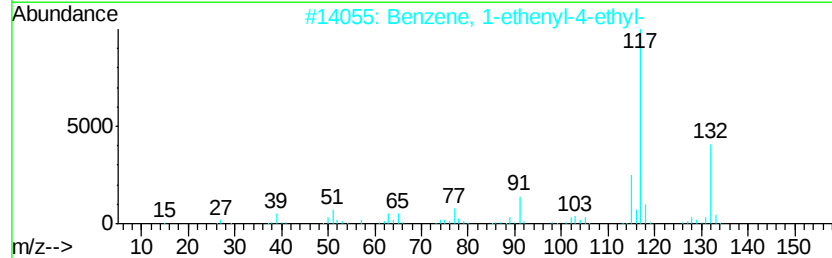
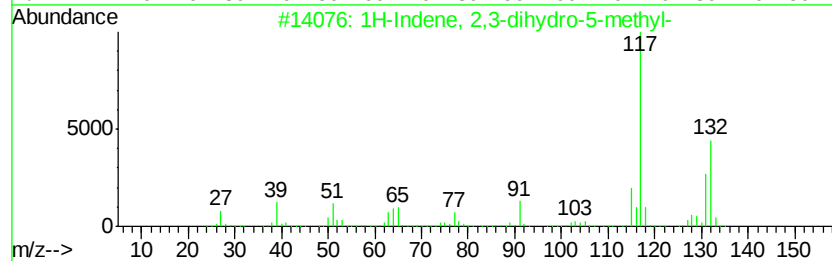
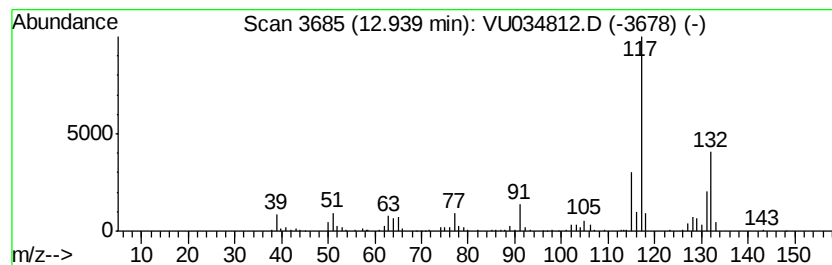
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

Peak Number 24 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	9.30 ug/L	258991	1,4-Dichlorobenzene-d4	11.46

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	96
2			Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
3			1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	94
4			Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	83
5			Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	83



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092519\
Data File : VU034812.D
Acq On : 25 Sep 2019 19:10
Operator : JC/SP
Sample : K4983-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDF1

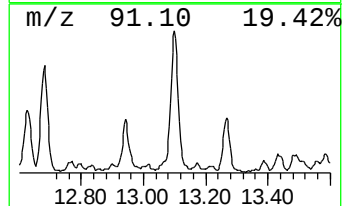
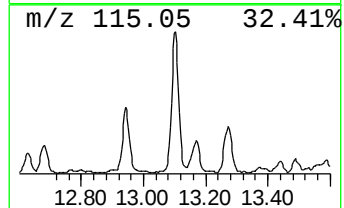
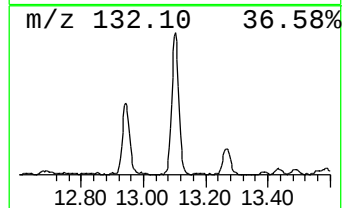
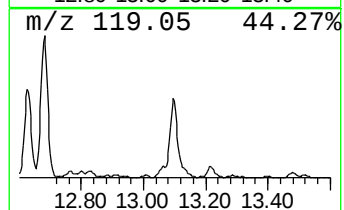
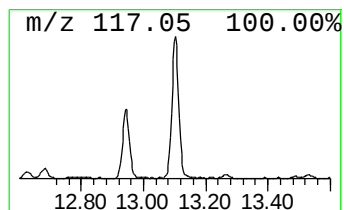
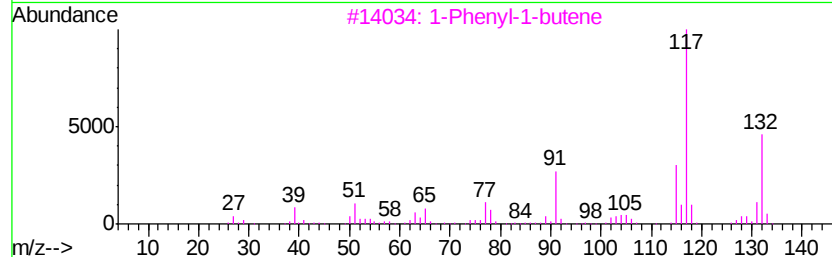
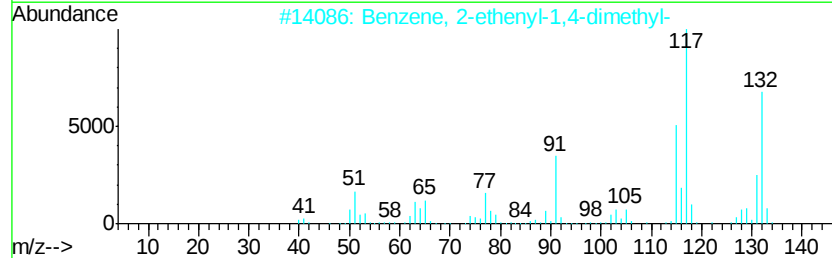
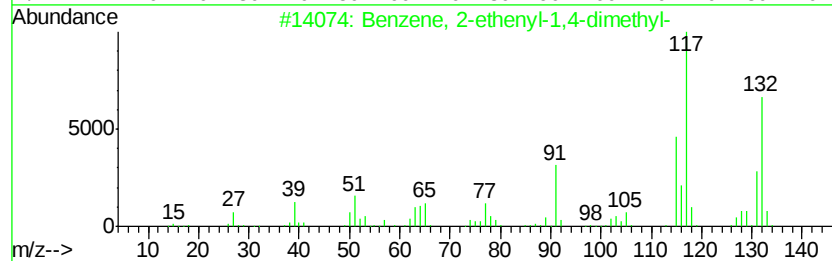
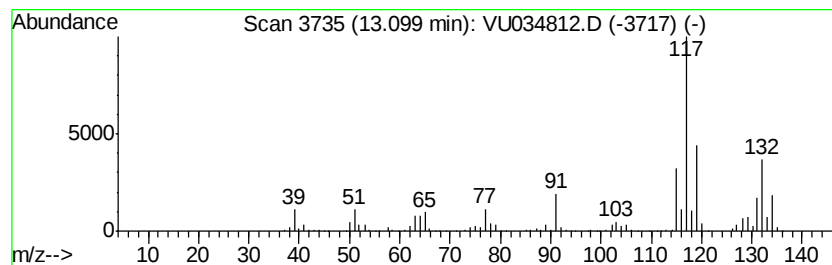
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

Peak Number 25 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	26.32 ug/L	732583	1,4-Dichlorobenzene-d4	11.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
2		Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
3		1-Phenyl-1-butene	132	C10H12	000824-90-8	76
4		Benzene, 2-butenyl-	132	C10H12	001560-06-1	70
5		Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	70



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092519\
Data File : VU034812.D
Acq On : 25 Sep 2019 19:10
Operator : JC/SP
Sample : K4983-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDF1

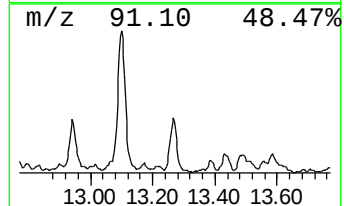
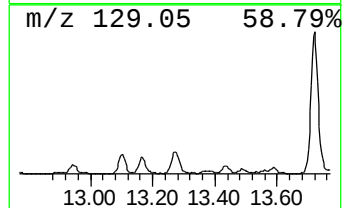
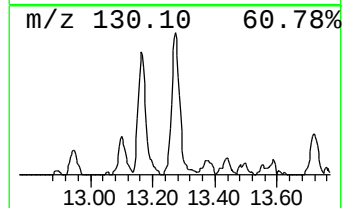
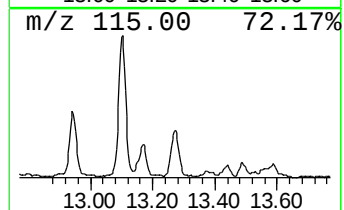
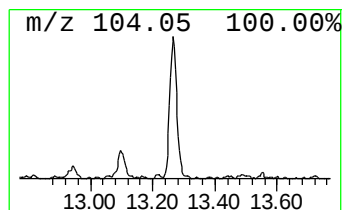
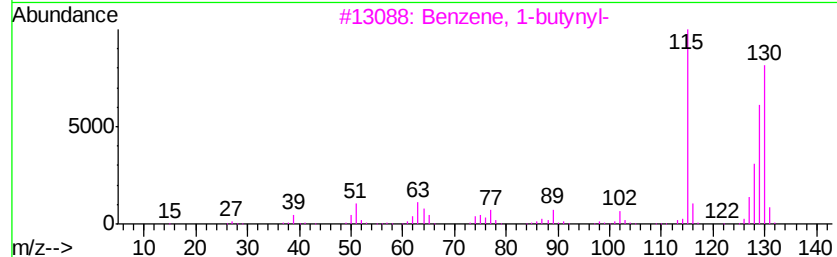
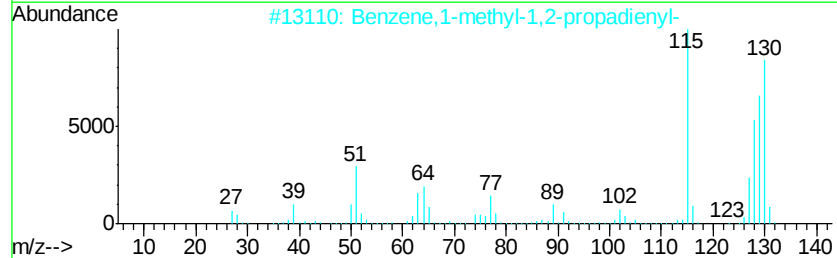
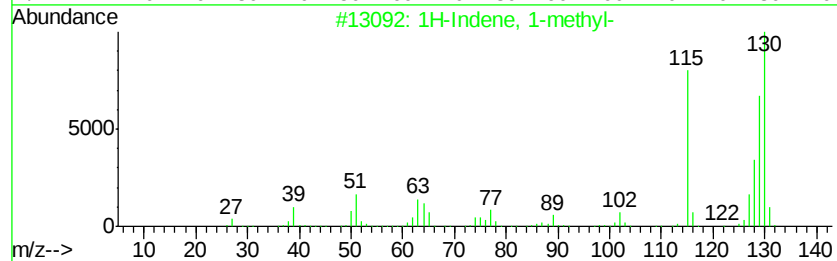
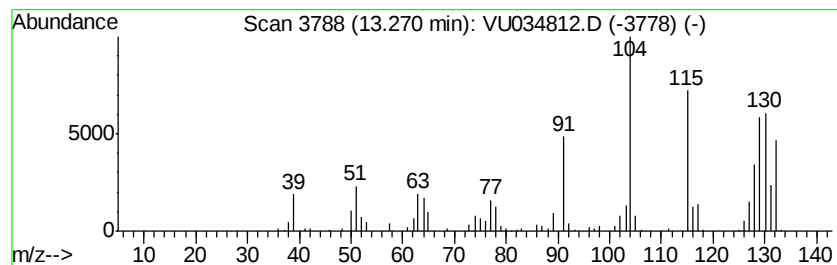
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

Peak Number 26 1H-Indene, 1-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	6.43 ug/L	179040	1,4-Dichlorobenzene-d4	11.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	89
2		Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	83
3		Benzene, 1-butylnyl-	130	C10H10	000622-76-4	52
4		Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	50
5		Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092519\
Data File : VU034812.D
Acq On : 25 Sep 2019 19:10
Operator : JC/SP
Sample : K4983-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDF1

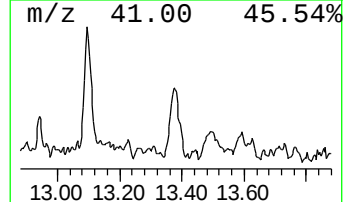
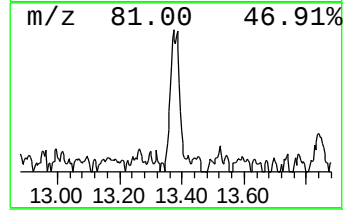
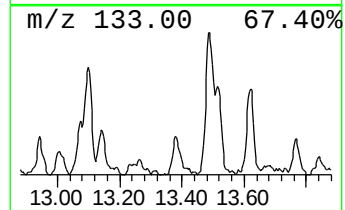
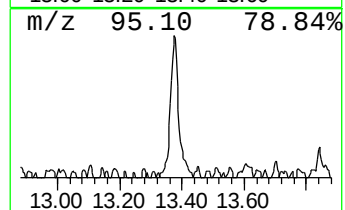
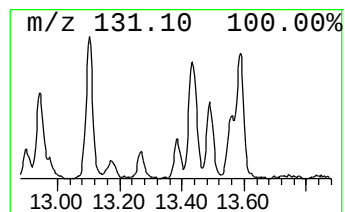
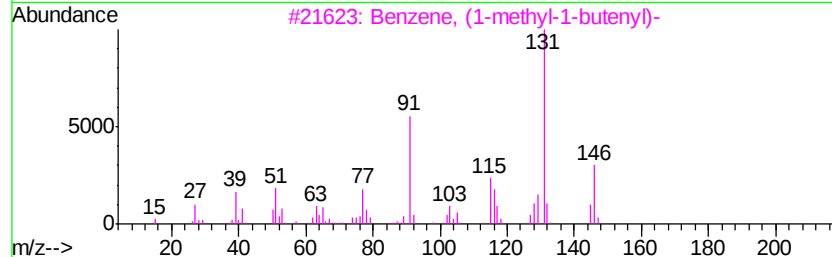
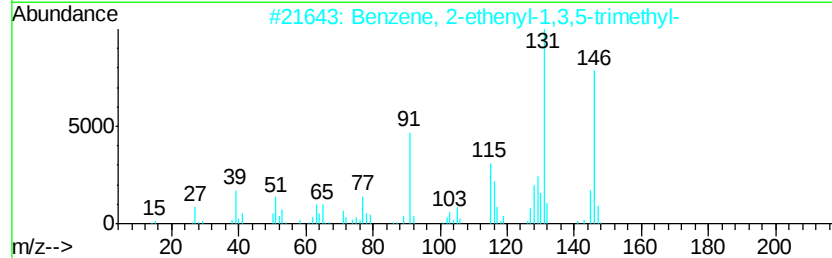
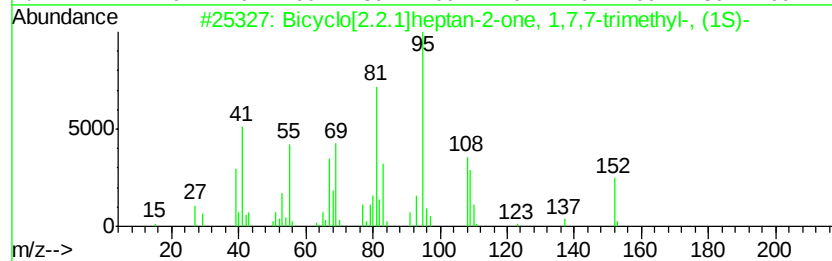
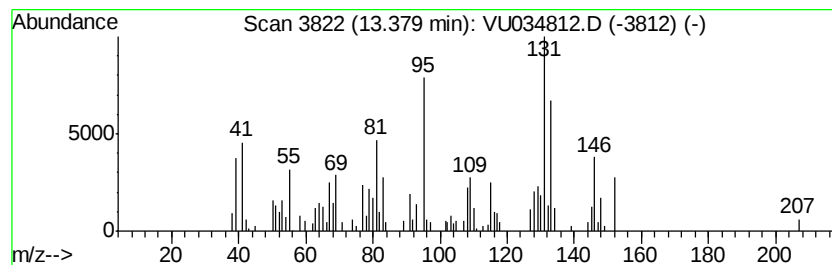
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

Peak Number 27 Bicyclo[2.2.1]heptan-2-one,... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	2.67 ug/L	74338	1,4-Dichlorobenzene-d4	11.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	81
2		Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	52
3		Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	42
4		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	38
5		Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092519\
Data File : VU034812.D
Acq On : 25 Sep 2019 19:10
Operator : JC/SP
Sample : K4983-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDF1

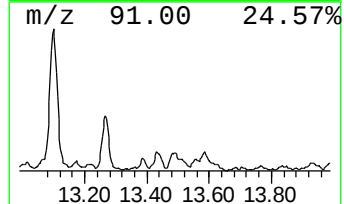
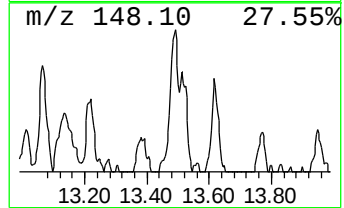
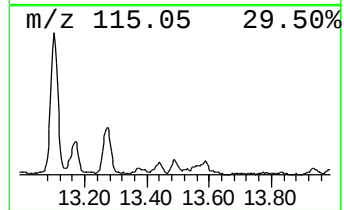
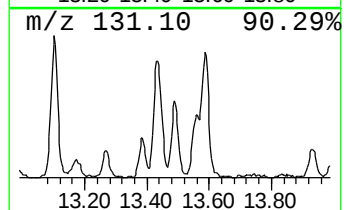
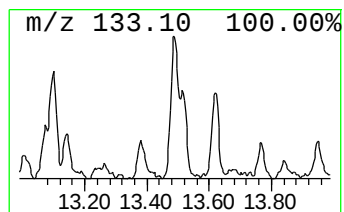
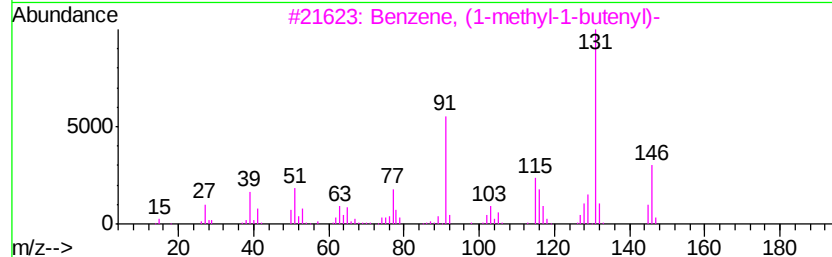
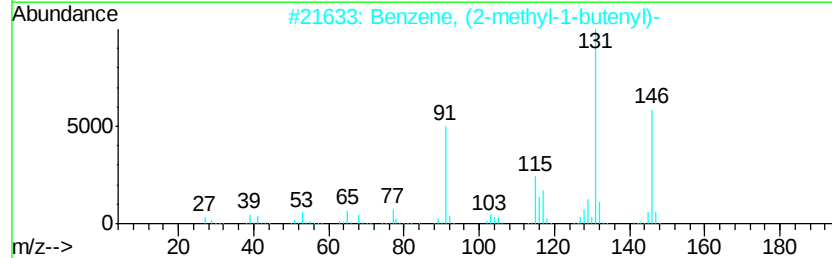
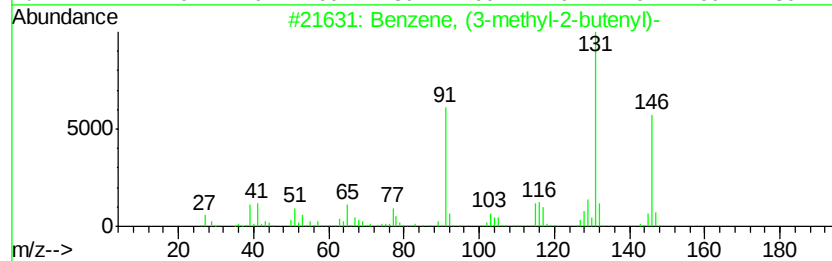
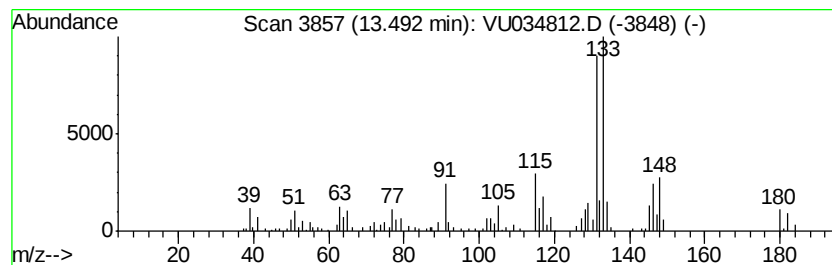
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

Peak Number 28 Benzene, (3-methyl-2-butenyl)- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	4.10 ug/L	114030	1,4-Dichlorobenzene-d4	11.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	80
2		Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	42
3		Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	42
4		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	42
5		1,3-Cyclopentadiene, 5-(trans-2-...	146	C11H14	079209-36-2	42



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092519\
Data File : VU034812.D
Acq On : 25 Sep 2019 19:10
Operator : JC/SP
Sample : K4983-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BDF1

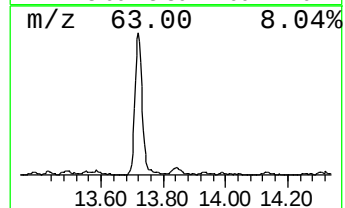
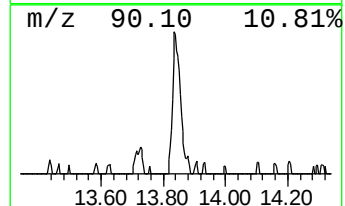
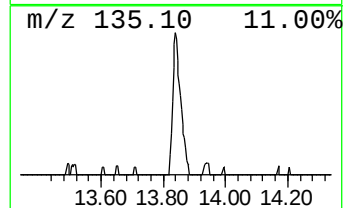
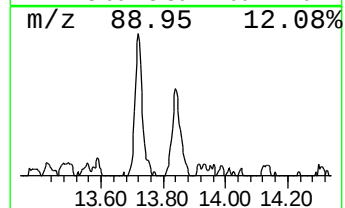
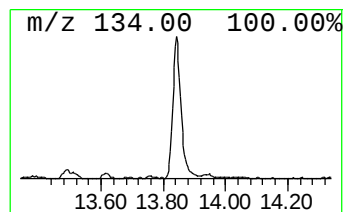
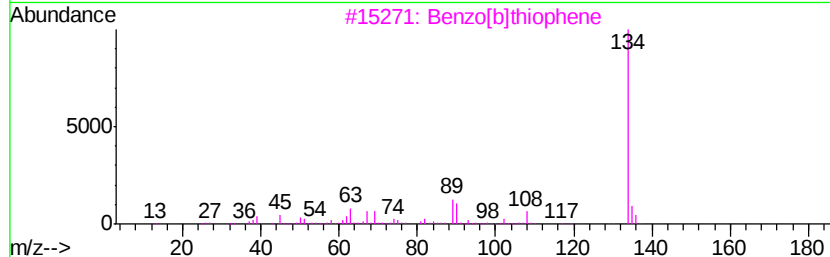
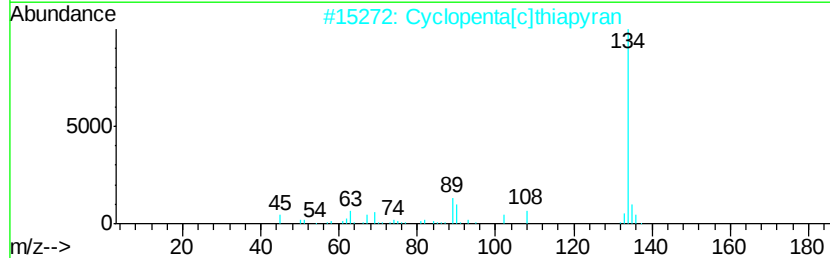
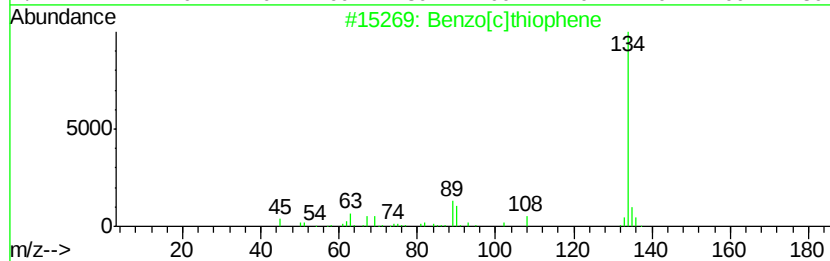
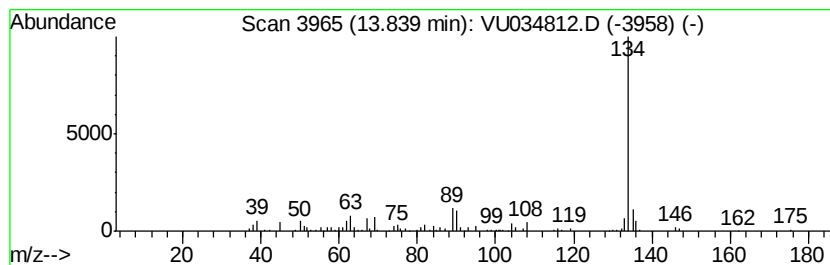
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

Peak Number 30 Benzo[c]thiophene Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.84	3.11 ug/L	86512	1,4-Dichlorobenzene-d4	11.46

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[c]thiophene	134	C8H6S	000270-82-6	91
2			Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	90
3			Benzo[b]thiophene	134	C8H6S	000095-15-8	90
4			Benzo[b]thiophene	134	C8H6S	000095-15-8	87
5			Benzo[b]thiophene	134	C8H6S	000095-15-8	80



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092519\
Data File : VU034812.D
Acq On : 25 Sep 2019 19:10
Operator : JC/SP
Sample : K4983-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BDF1

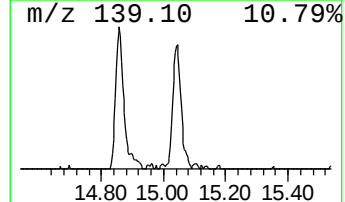
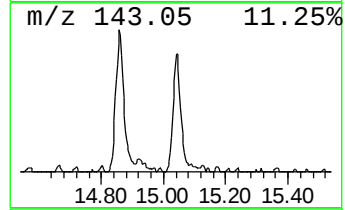
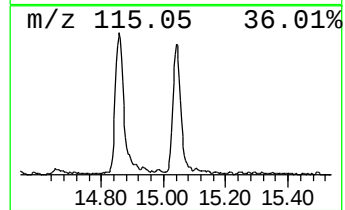
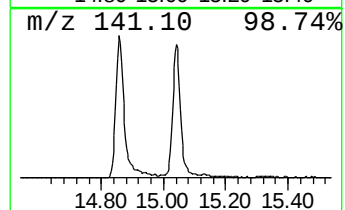
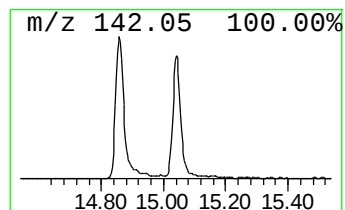
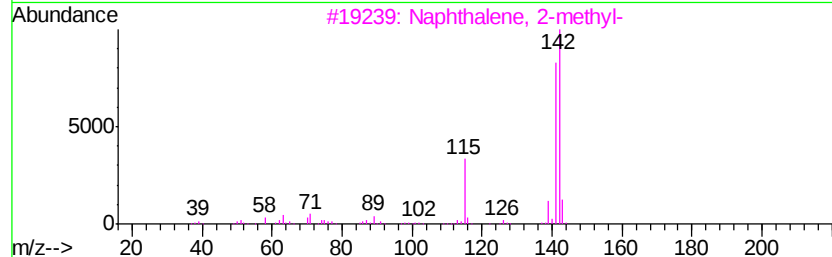
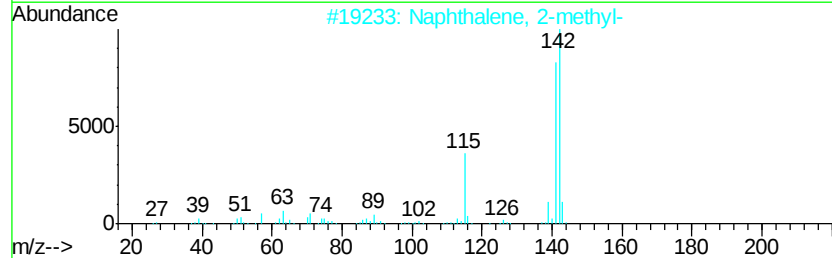
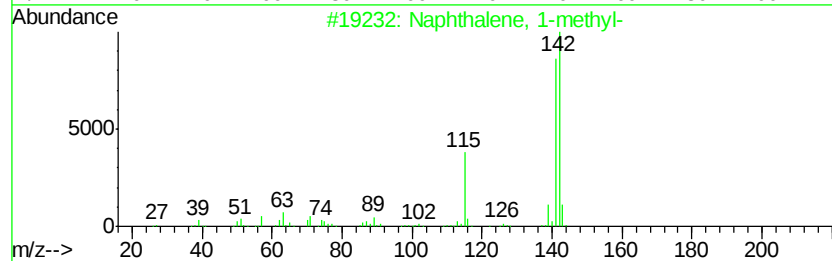
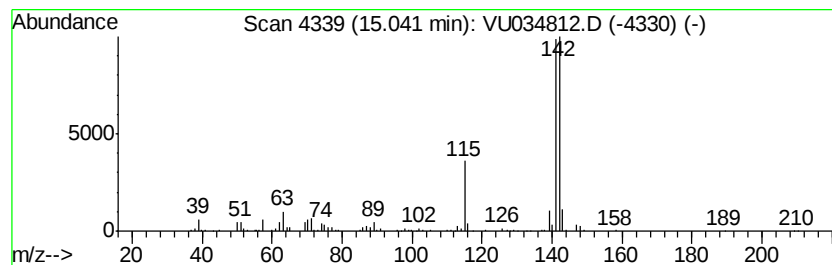
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

Peak Number 32 Naphthalene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.04	9.85 ug/L	274145	1,4-Dichlorobenzene-d4	11.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
4		Benzocycloheptatriene	142	C11H10	000264-09-5	95
5		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
 Data File : VU034812.D
 Acq On : 25 Sep 2019 19:10
 Operator : JC/SP
 Sample : K4983-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDF1

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
Isopropyl acetate	5.53	5.5	ug/L	134219	1	5.86	1220290	50.0
n-Propyl acetate	6.68	96.7	ug/L	2359660	1	5.86	1220290	50.0
Propanoic acid, 1...	7.40	14.8	ug/L	360953	1	5.86	1220290	50.0
Propanoic acid, 2...	8.13	17.6	ug/L	500592	2	9.07	1422210	50.0
Propanoic acid, p...	8.40	24.1	ug/L	686476	2	9.07	1422210	50.0
Butanoic acid, 1-...	8.88	33.4	ug/L	949905	2	9.07	1422210	50.0
Benzene, propyl-	10.57	10.0	ug/L	278763	3	11.46	1391820	50.0
Benzene, 1-ethyl-...	10.66	52.0	ug/L	1447460	3	11.46	1391820	50.0
Benzene, 1,2,3-tr...	10.75	20.8	ug/L	578484	3	11.46	1391820	50.0
o-Cymene	11.40	3.4	ug/L	94880	3	11.46	1391820	50.0
Indane	11.74	29.7	ug/L	825726	3	11.46	1391820	50.0
Indene	11.96	5.0	ug/L	139758	3	11.46	1391820	50.0
Benzene, 1-methyl...	12.03	3.5	ug/L	98046	3	11.46	1391820	50.0
Benzene, 1-ethyl-...	12.12	7.9	ug/L	220700	3	11.46	1391820	50.0
Benzene, 2-ethyl-...	12.23	11.5	ug/L	320408	3	11.46	1391820	50.0
Indan, 1-methyl-	12.33	12.3	ug/L	341685	3	11.46	1391820	50.0
Benzene, 1,2,3,5-...	12.63	8.1	ug/L	224964	3	11.46	1391820	50.0
Benzene, 1,2,3,4-...	12.68	13.5	ug/L	376056	3	11.46	1391820	50.0
1H-Indene, 2,3-di...	12.94	9.3	ug/L	258991	3	11.46	1391820	50.0
Benzene, 2-etheny...	13.10	26.3	ug/L	732583	3	11.46	1391820	50.0
1H-Indene, 1-methyl-	13.27	6.4	ug/L	179040	3	11.46	1391820	50.0
Bicyclo[2.2.1]hep...	13.38	2.7	ug/L	74338	3	11.46	1391820	50.0
Benzene, (3-methy...	13.49	4.1	ug/L	114030	3	11.46	1391820	50.0
Benzo[c]thiophene	13.84	3.1	ug/L	86512	3	11.46	1391820	50.0
Naphthalene, 1-me...	15.04	9.8	ug/L	274145	3	11.46	1391820	50.0