

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092519\
 Data File : VU034821.D
 Acq On : 25 Sep 2019 22:41
 Operator : JC/SP
 Sample : K4983-11
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDJ4

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	23	27	33	rBV3	11210	12570	0.36%	0.040%
2	1.392	87	94	106	rBV	307723	320017	9.16%	1.029%
3	1.466	111	117	125	rVV	66075	69546	1.99%	0.224%
4	1.672	173	181	193	rVB	252048	318147	9.10%	1.023%
5	2.257	353	363	372	rBV	449676	688455	19.70%	2.213%
6	2.306	372	378	398	rVB	132683	214860	6.15%	0.691%
7	2.524	444	446	448	rBV2	1301	577	0.02%	0.002%
8	2.569	458	460	462	rBV2	1116	653	0.02%	0.002%
9	2.605	465	471	479	rVV	4858	7516	0.22%	0.024%
10	2.685	484	496	512	rBV	202598	369362	10.57%	1.187%
11	2.949	574	578	581	rBV4	1210	927	0.03%	0.003%
12	2.974	584	586	589	rVB3	988	617	0.02%	0.002%
13	3.103	623	626	629	rVB4	1335	695	0.02%	0.002%
14	3.167	629	646	660	rBV2	23192	53702	1.54%	0.173%
15	3.289	678	684	688	rVB7	1463	1423	0.04%	0.005%
16	3.392	710	716	718	rBV7	1499	1312	0.04%	0.004%
17	3.531	756	759	762	rBV5	1650	1470	0.04%	0.005%
18	3.553	762	766	767	rBV2	1722	1326	0.04%	0.004%
19	3.621	785	787	789	rBV3	1225	765	0.02%	0.002%
20	3.794	837	841	843	rBV4	804	569	0.02%	0.002%
21	3.842	852	856	858	rBV4	1129	972	0.03%	0.003%
22	3.897	870	873	878	rBV7	585	553	0.02%	0.002%
23	3.939	883	886	887	rBV	1262	642	0.02%	0.002%
24	3.981	892	899	906	rVV8	2360	3609	0.10%	0.012%
25	4.151	939	952	972	rBV	242379	638251	18.26%	2.052%
26	4.521	1065	1067	1071	rVB2	1580	989	0.03%	0.003%
27	4.543	1071	1074	1075	rBV2	1312	680	0.02%	0.002%
28	4.624	1081	1099	1120	rBV	352228	834448	23.88%	2.682%
29	4.852	1164	1170	1172	rBV7	1355	1628	0.05%	0.005%
30	4.865	1172	1174	1178	rVB4	1765	1209	0.03%	0.004%
31	4.936	1192	1196	1197	rBV4	1181	922	0.03%	0.003%
32	4.971	1200	1207	1217	rVB4	4306	8678	0.25%	0.028%
33	5.055	1231	1233	1236	rBV3	1162	637	0.02%	0.002%
34	5.141	1254	1260	1263	rVB5	1599	1493	0.04%	0.005%

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

35	5.164	1263	1267	1269	rBV4	705	652	0.02%	0.002%
36	5.183	1269	1273	1279	rBV5	1421	1455	0.04%	0.005%
37	5.315	1289	1314	1350	rBV2	744306	2251294	64.42%	7.236%
38	5.530	1369	1381	1407	rVB2	89304	194328	5.56%	0.625%
39	5.762	1447	1453	1456	rBV6	1868	2373	0.07%	0.008%
40	5.862	1469	1484	1504	rBV	609577	1325181	37.92%	4.259%
41	6.309	1610	1623	1641	rBV	510696	1012219	28.97%	3.254%
42	6.521	1681	1689	1693	rBV4	8975	15049	0.43%	0.048%
43	6.685	1727	1740	1774	rBV	1931374	3494506	100.00%	11.232%
44	7.206	1890	1902	1923	rBV	288881	523121	14.97%	1.681%
45	7.399	1952	1962	1974	rBV	230590	395354	11.31%	1.271%
46	7.543	1995	2007	2025	rBV	1027896	1842693	52.73%	5.923%
47	7.826	2085	2095	2117	rBV2	252899	460958	13.19%	1.482%
48	8.135	2179	2191	2206	rBV	412533	684967	19.60%	2.202%
49	8.215	2209	2216	2218	rBV2	20735	26234	0.75%	0.084%
50	8.289	2229	2239	2261	rVV	927532	1588895	45.47%	5.107%
51	8.395	2262	2272	2298	rVV	703601	1135625	32.50%	3.650%
52	8.511	2302	2308	2324	rVB3	32554	57402	1.64%	0.185%
53	8.881	2412	2423	2450	rBV	850066	1356188	38.81%	4.359%
54	9.067	2464	2481	2507	rBV	861259	1553352	44.45%	4.993%
55	9.228	2522	2531	2545	rBV	65303	109125	3.12%	0.351%
56	9.353	2560	2570	2585	rVB2	133031	228886	6.55%	0.736%
57	9.550	2627	2631	2634	rBV6	1847	1507	0.04%	0.005%
58	9.588	2634	2643	2652	rBV2	20795	34115	0.98%	0.110%
59	9.755	2683	2695	2717	rVB4	246829	470129	13.45%	1.511%
60	9.884	2732	2735	2736	rBV3	1827	1127	0.03%	0.004%
61	9.923	2739	2747	2759	rVV7	6971	15214	0.44%	0.049%
62	10.019	2772	2777	2781	rBV7	3935	5007	0.14%	0.016%
63	10.106	2802	2804	2806	rBV3	1740	861	0.02%	0.003%
64	10.144	2806	2816	2832	rVV	67526	110367	3.16%	0.355%
65	10.408	2886	2898	2917	rBV	704022	1138057	32.57%	3.658%
66	10.566	2934	2947	2961	rBV	88895	160630	4.60%	0.516%
67	10.659	2967	2976	2978	rBV5	39108	46657	1.34%	0.150%
68	10.752	2997	3005	3013	rBV3	29919	43896	1.26%	0.141%
69	10.894	3041	3049	3056	rBV3	11463	18304	0.52%	0.059%
70	10.948	3057	3066	3086	rVB	117618	201738	5.77%	0.648%
71	11.125	3110	3121	3140	rVB	506662	769795	22.03%	2.474%

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72	11.263	3160	3164	3167	rBV7	5919	6429	0.18%	0.021%
73	11.299	3171	3175	3188	rVB3	22184	32871	0.94%	0.106%
74	11.460	3214	3225	3243	rBV	840304	1373930	39.32%	4.416%
75	11.546	3244	3252	3269	rVB	158954	252611	7.23%	0.812%
76	11.742	3303	3313	3331	rBV	217309	383545	10.98%	1.233%
77	11.836	3331	3342	3368	rVB	987944	1718312	49.17%	5.523%
78	12.032	3398	3403	3415	rVB2	28206	43112	1.23%	0.139%
79	12.125	3423	3432	3436	rBV	55047	82960	2.37%	0.267%
80	12.228	3456	3464	3472	rBV	100210	153384	4.39%	0.493%
81	12.331	3488	3496	3521	rVB3	65829	147003	4.21%	0.473%
82	12.527	3549	3557	3567	rVB4	27922	47480	1.36%	0.153%
83	12.595	3571	3578	3581	rVV2	22597	29957	0.86%	0.096%
84	12.630	3582	3589	3597	rVV	79560	125431	3.59%	0.403%
85	12.681	3597	3605	3620	rVB	117025	185463	5.31%	0.596%
86	12.874	3656	3665	3678	rBV4	96841	170060	4.87%	0.547%
87	12.942	3679	3686	3701	rVB3	64835	103882	2.97%	0.334%
88	13.099	3726	3735	3750	rVB2	184831	299992	8.58%	0.964%
89	13.273	3781	3789	3800	rVB7	33969	57719	1.65%	0.186%
90	13.379	3815	3822	3831	rVB8	25997	44112	1.26%	0.142%
91	13.440	3833	3841	3848	rVB3	18640	29428	0.84%	0.095%
92	13.488	3848	3856	3871	rBV6	29842	66131	1.89%	0.213%
93	13.723	3919	3929	3955	rBV	149247	293766	8.41%	0.944%
94	13.823	3956	3960	3974	rVB	12355	27142	0.78%	0.087%
95	14.131	4047	4056	4072	rBV4	21661	45245	1.29%	0.145%
96	14.315	4106	4113	4127	rBV6	18728	38869	1.11%	0.125%
97	14.517	4170	4176	4187	rVB5	14901	25889	0.74%	0.083%
98	14.627	4203	4210	4213	rBV9	7981	10401	0.30%	0.033%
99	14.858	4273	4282	4297	rBV	106597	196585	5.63%	0.632%
100	15.041	4328	4339	4357	rBV	154163	282998	8.10%	0.910%

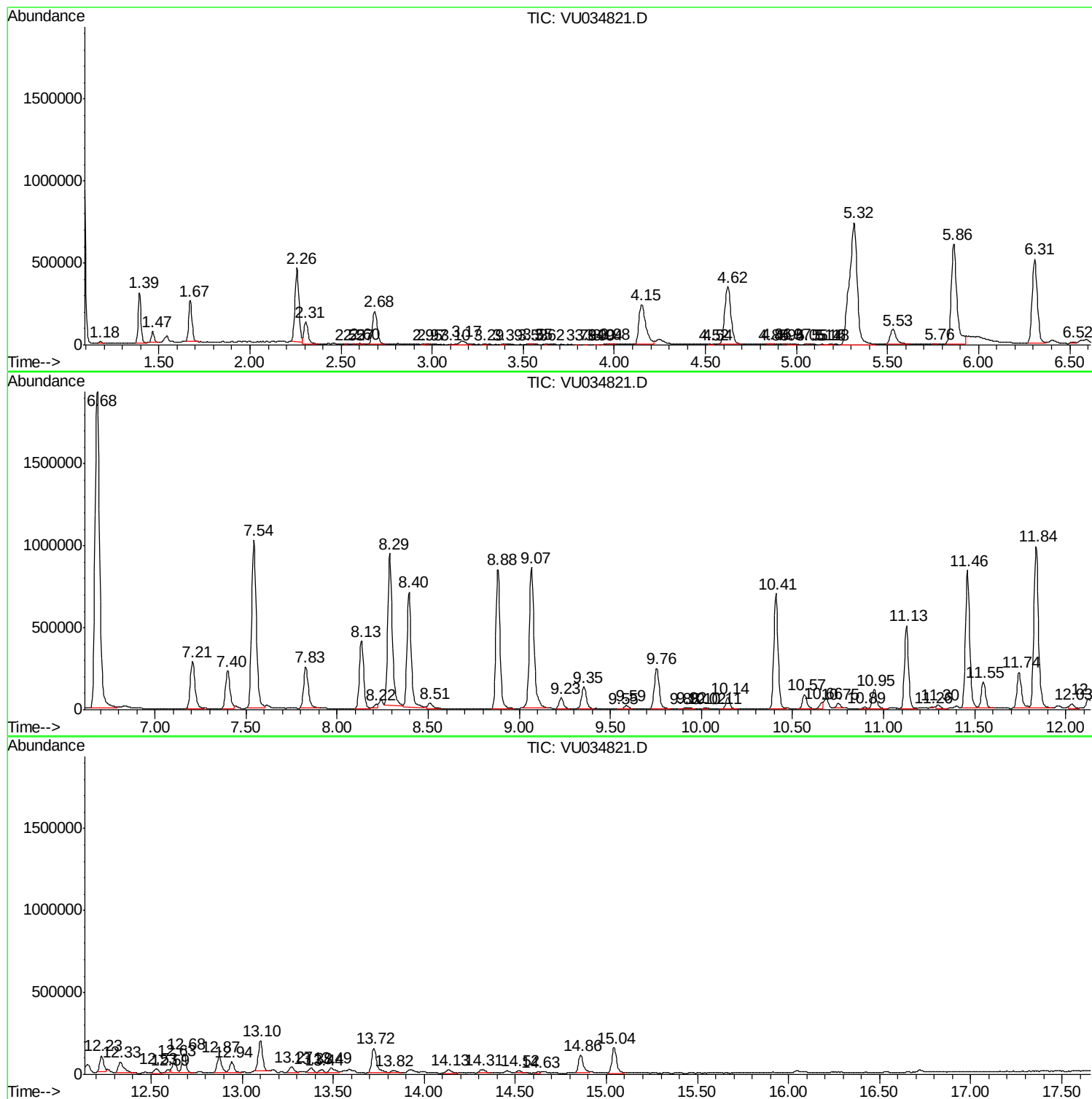
Sum of corrected areas: 31111188

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

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



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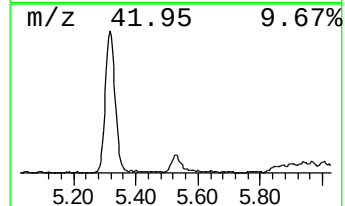
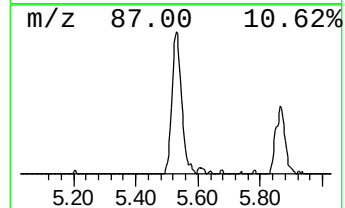
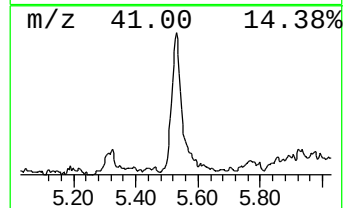
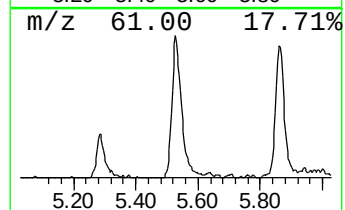
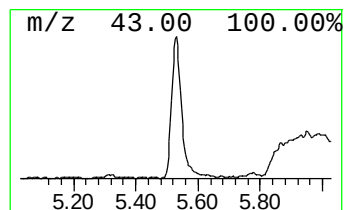
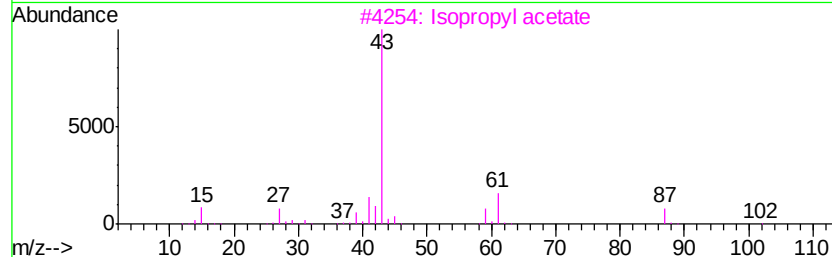
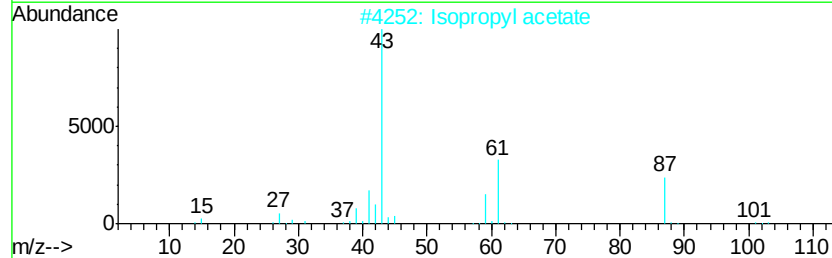
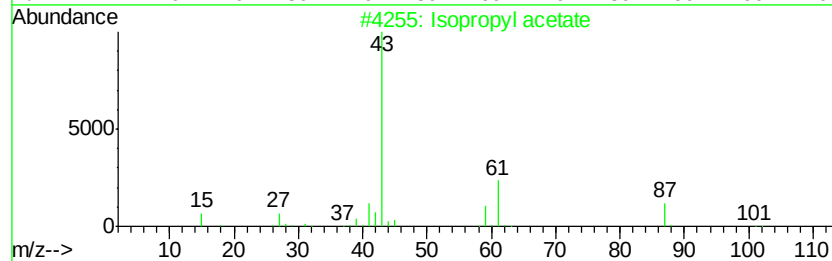
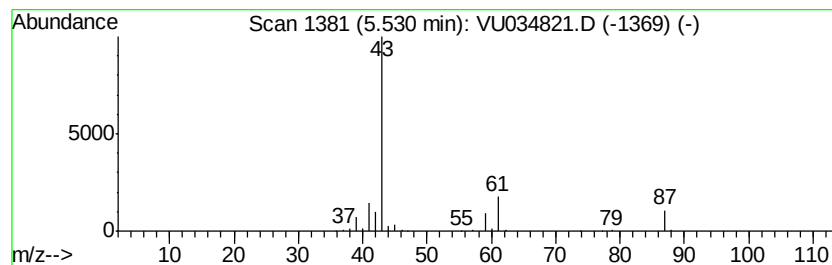
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

Peak Number 2 Isopropyl acetate Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.53	7.33 ug/L	194328	1,4-Difluorobenzene	5.86

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	78
3		Isopropyl acetate	102	C5H10O2	000108-21-4	78
4		2-Pentanol, acetate	130	C7H14O2	000626-38-0	28
5		Acetaldehyde, O-ethyloxime-	87	C4H9NO	1000288-34-6	25



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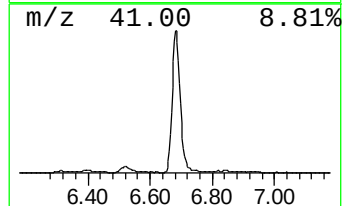
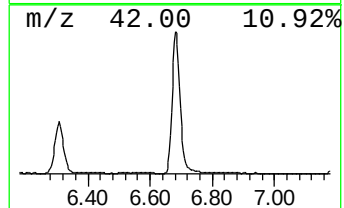
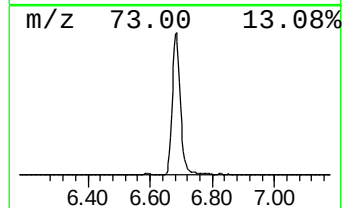
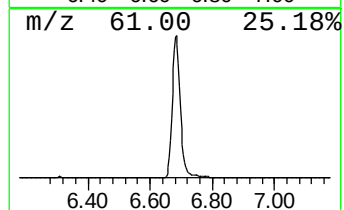
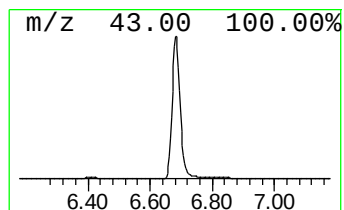
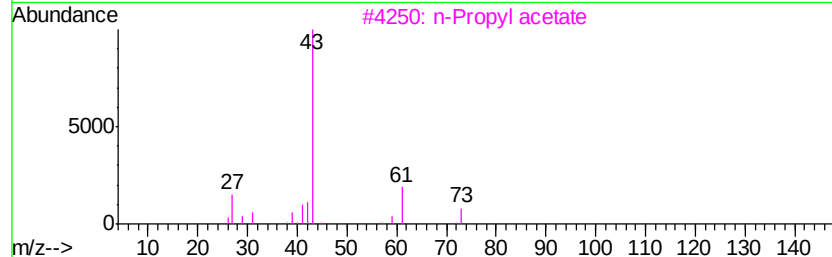
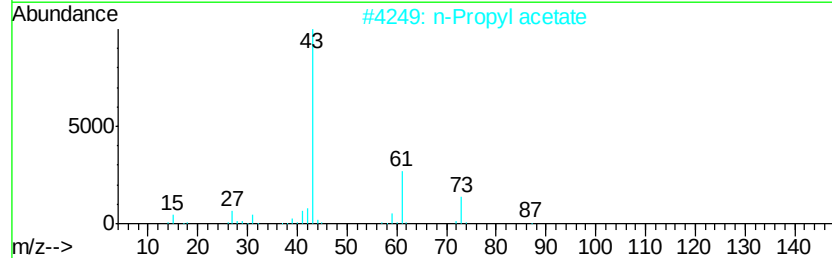
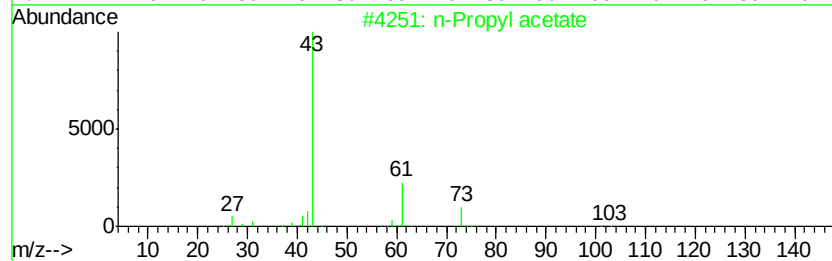
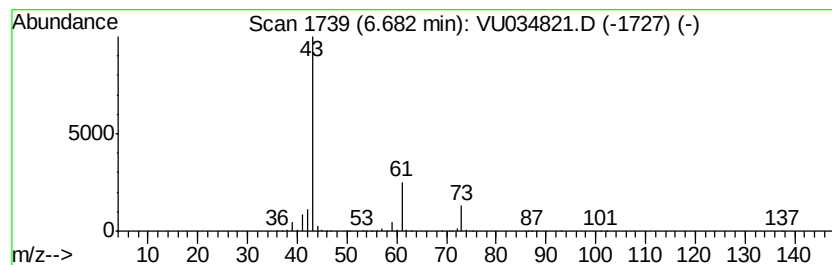
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Quant Title : VOC Analysis

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

Peak Number 3 n-Propyl acetate Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	131.85 ug/L	3494510	1,4-Difluorobenzene	5.86

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Propyl acetate		102	C5H10O2	000109-60-4	83
2	n-Propyl acetate		102	C5H10O2	000109-60-4	83
3	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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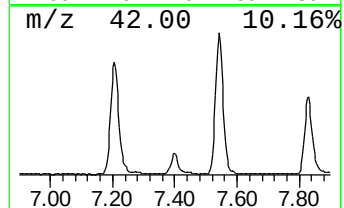
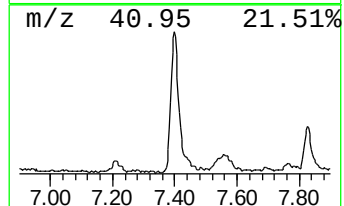
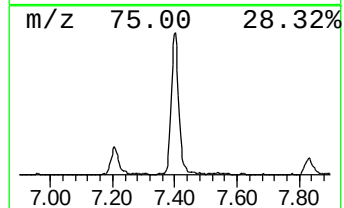
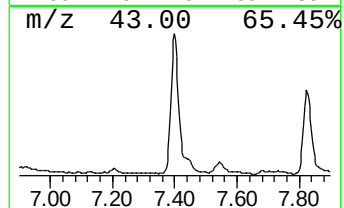
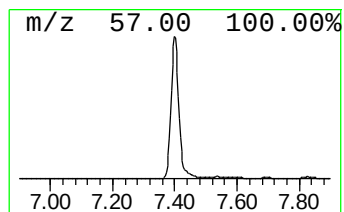
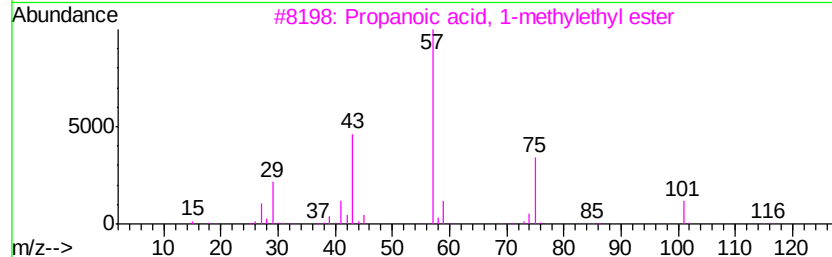
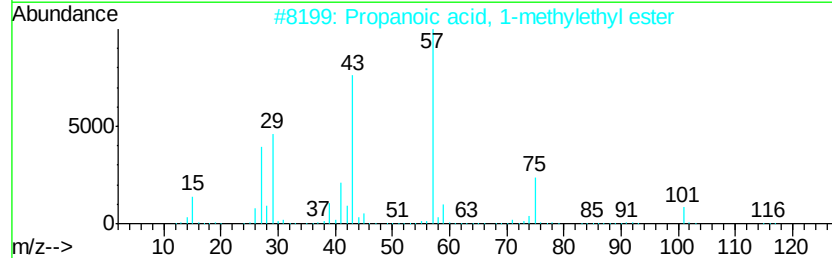
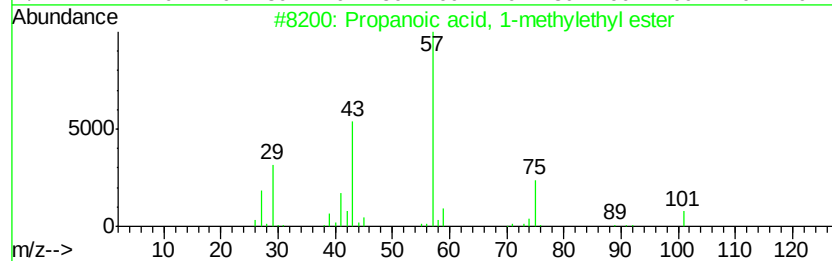
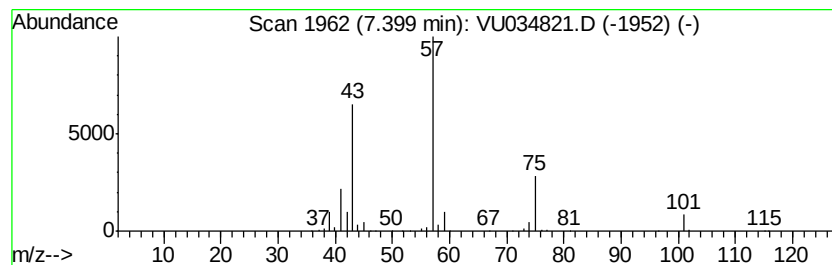
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Peak Number 5 Propanoic acid, 1-methyleth... Concentration Rank 7

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7.40	14.92 ug/L	395354	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	90
2		Propanoic acid, 1-methylethyl ester	116	C6H12O2	000637-78-5	83
3		Propanoic acid, 1-methylethyl ester	116	C6H12O2	000637-78-5	64
4		Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	45
5		Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	45



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092519\
Data File : VU034821.D
Acq On : 25 Sep 2019 22:41
Operator : JC/SP
Sample : K4983-11
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
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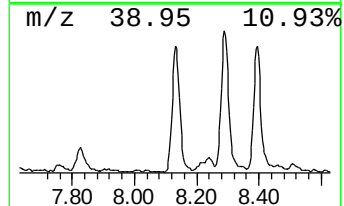
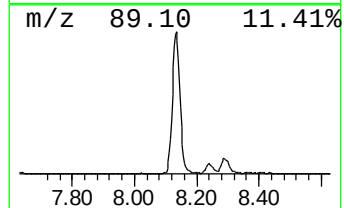
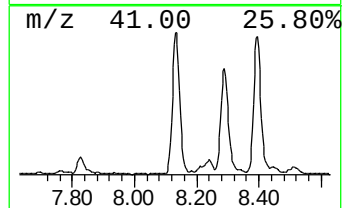
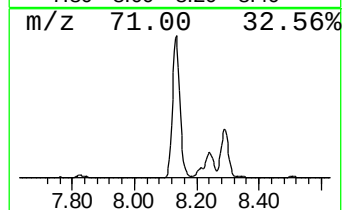
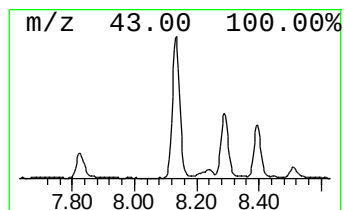
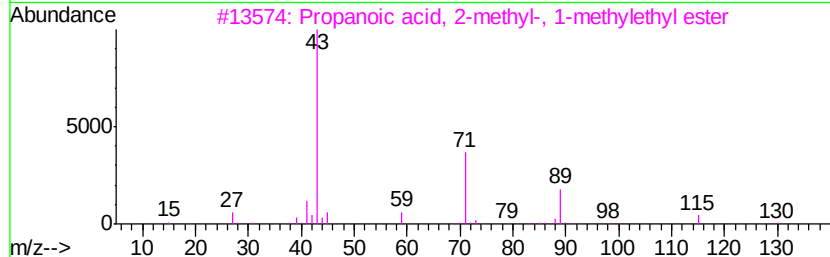
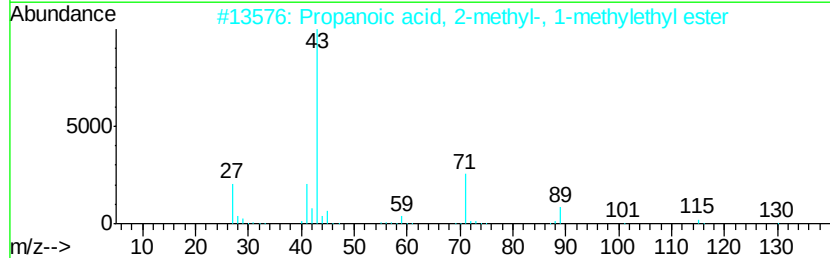
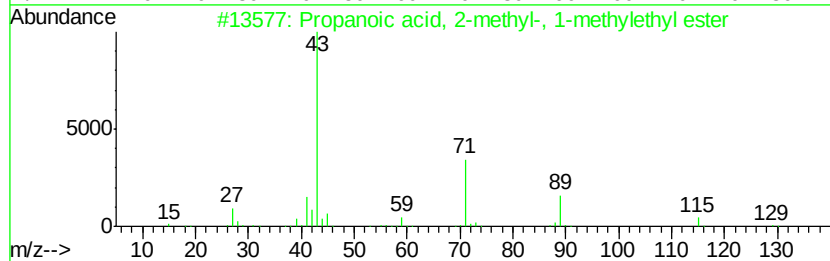
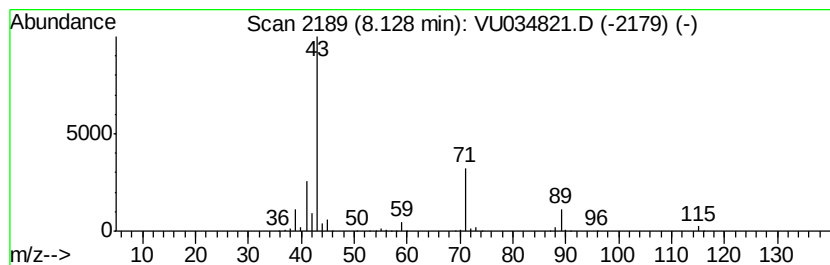
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Quant Title : VOC Analysis

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.13	22.05 ug/L	684967	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	83
3		Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	64
4		Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	59
5		Propyl nitrite	89	C3H7NO2	000543-67-9	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092519\
Data File : VU034821.D
Acq On : 25 Sep 2019 22:41
Operator : JC/SP
Sample : K4983-11
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
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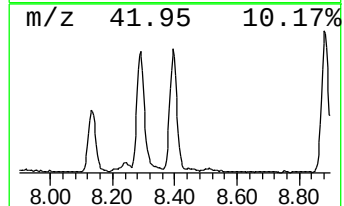
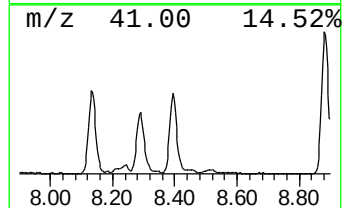
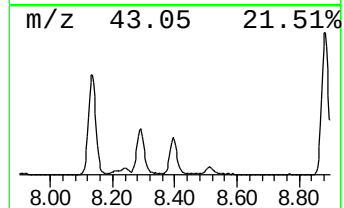
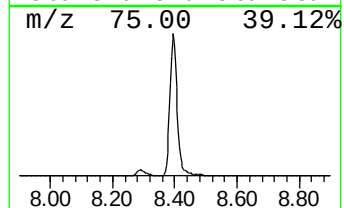
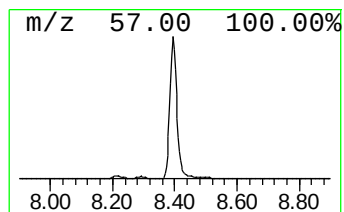
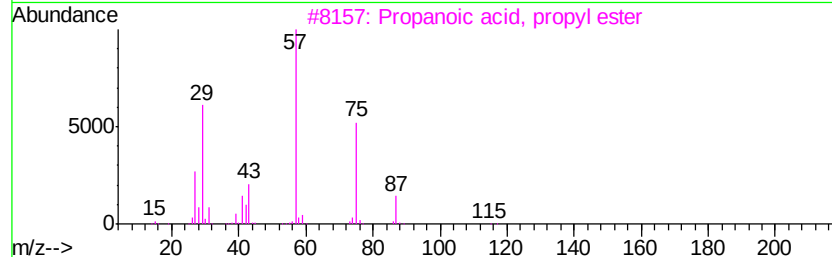
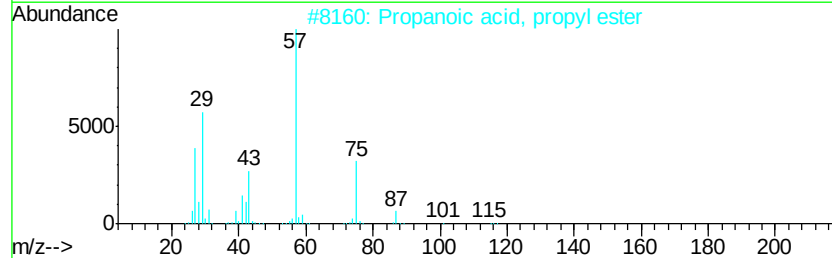
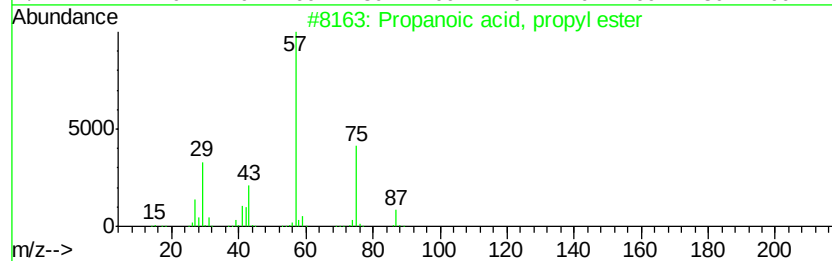
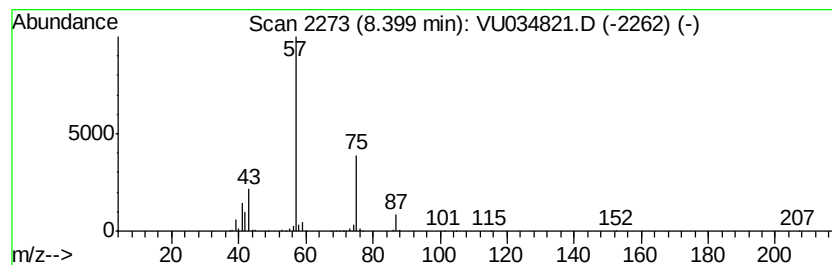
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Quant Title : VOC Analysis

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

Peak Number 7 Propanoic acid, propyl ester Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.40	36.55 ug/L	1135630	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	78
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 : VU034821.D
Acq On : 25 Sep 2019 22:41
Operator : JC/SP
Sample : K4983-11
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
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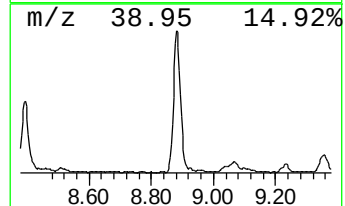
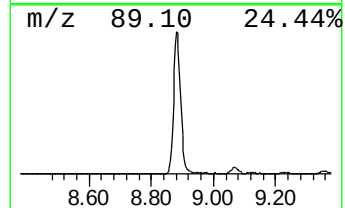
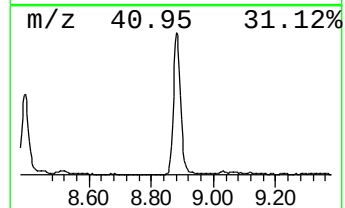
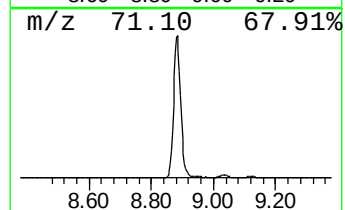
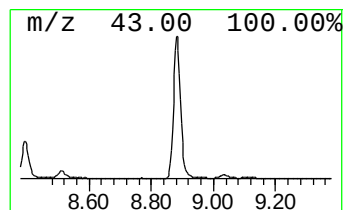
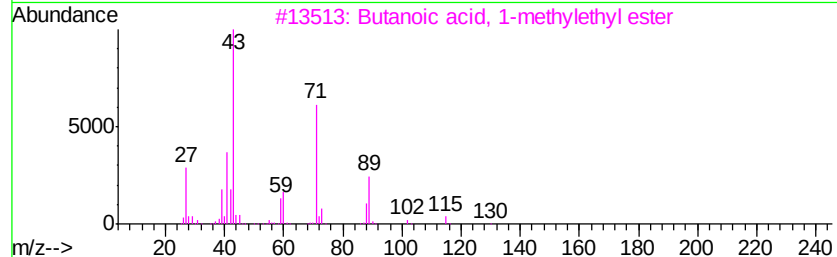
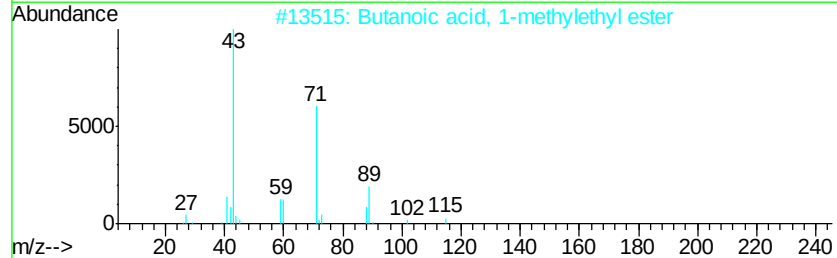
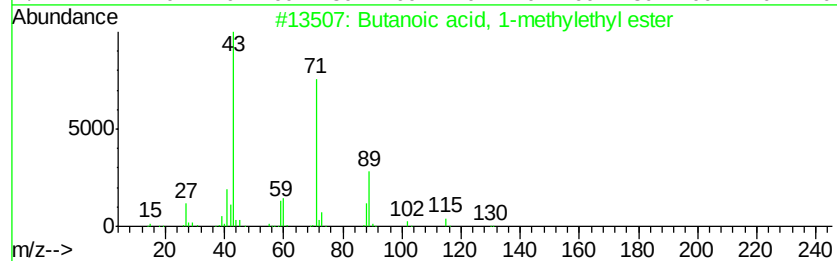
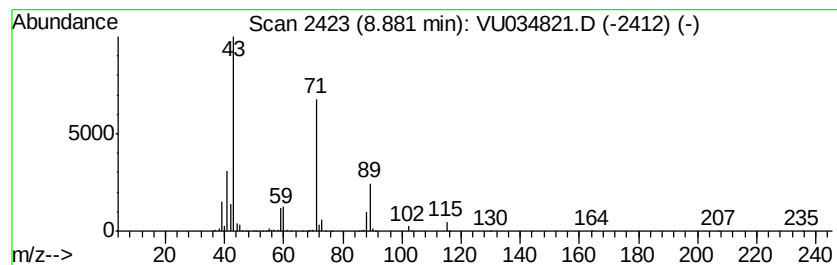
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Quant Title : VOC Analysis

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.88	43.65 ug/L	1356190	Chlorobenzene-d5	9.07

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	90
2			Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	90
3			Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	90
4			Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	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 : VU034821.D
Acq On : 25 Sep 2019 22:41
Operator : JC/SP
Sample : K4983-11
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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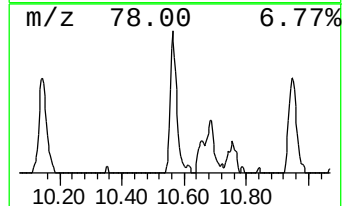
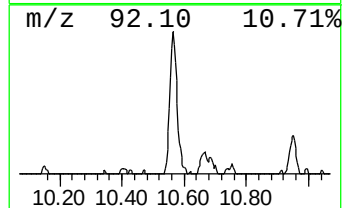
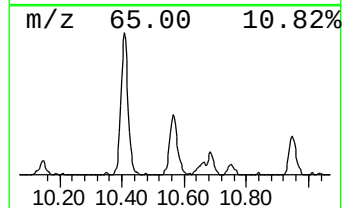
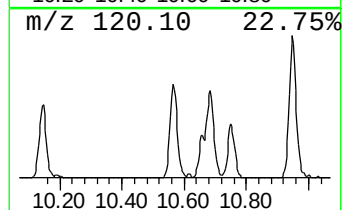
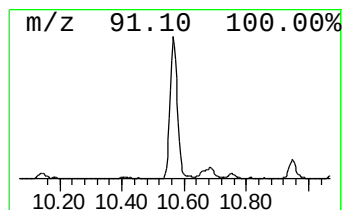
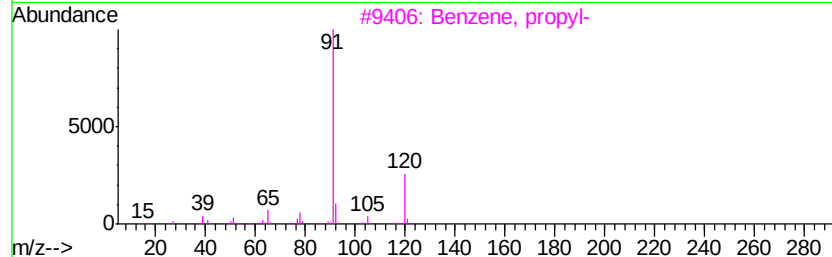
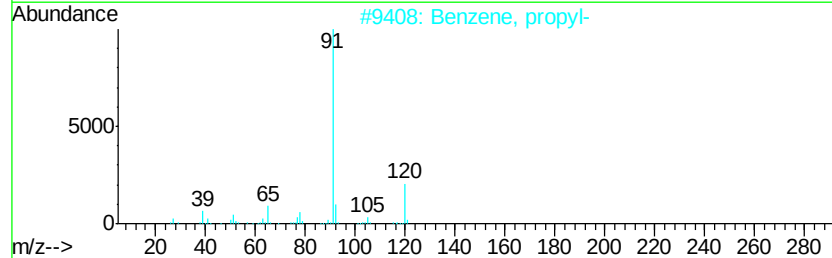
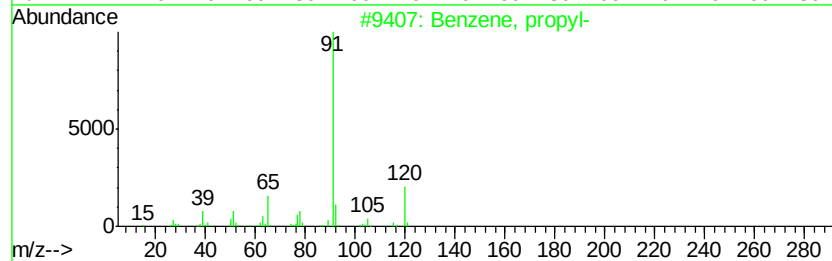
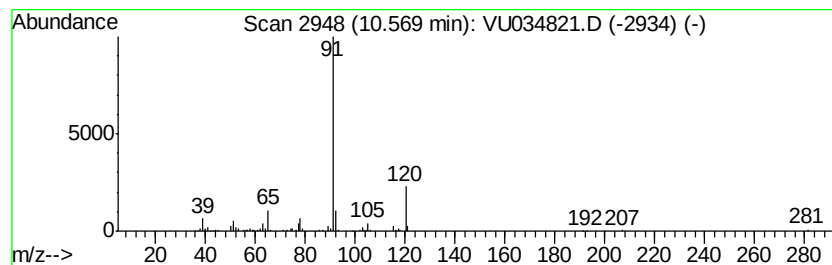
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Quant Title : VOC Analysis

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

Peak Number 9 Benzene, propyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.57	5.85 ug/L	160630	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	87
4		N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	72
5		Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092519\
Data File : VU034821.D
Acq On : 25 Sep 2019 22:41
Operator : JC/SP
Sample : K4983-11
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
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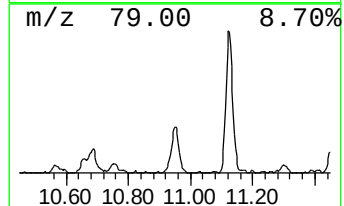
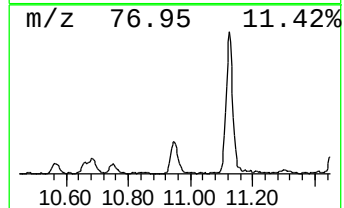
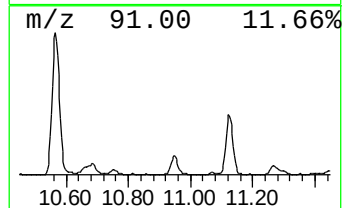
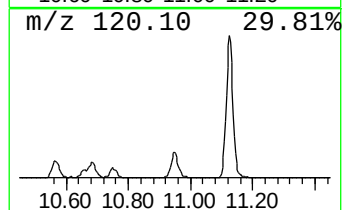
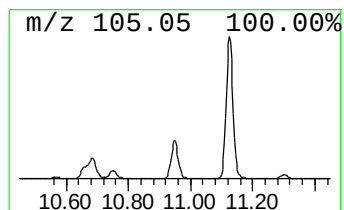
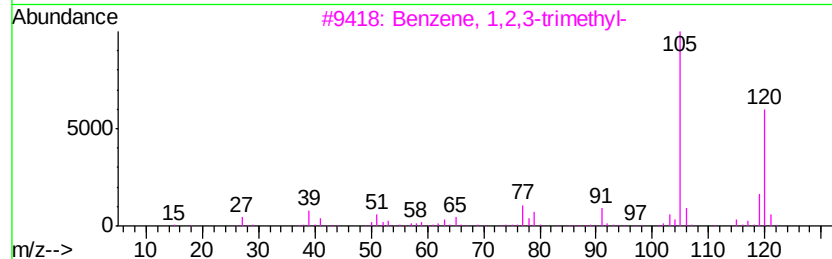
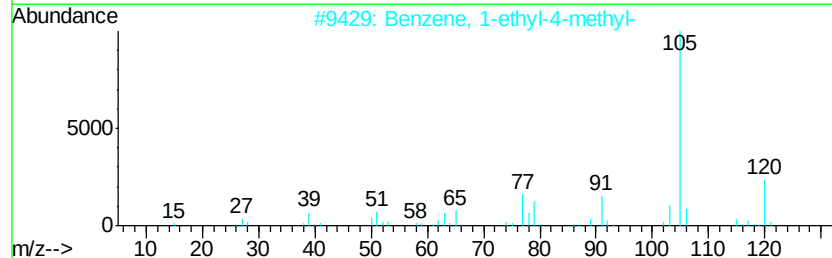
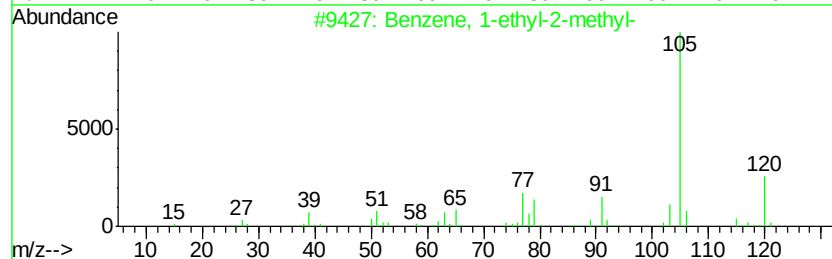
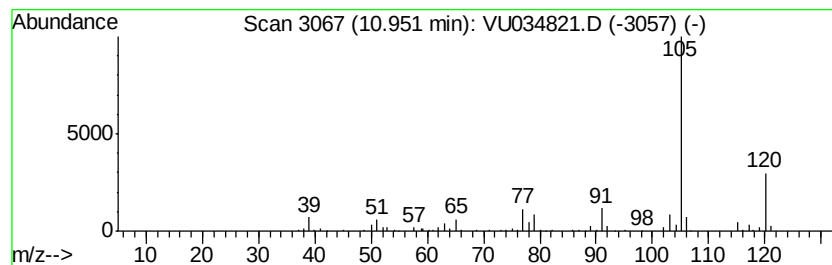
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Quant Title : VOC Analysis

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

Peak Number 10 Benzene, 1-ethyl-2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.95	7.34 ug/L	201738	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	93
2		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
3		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
4		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5		Mesitylene	120	C9H12	000108-67-8	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092519\
Data File : VU034821.D
Acq On : 25 Sep 2019 22:41
Operator : JC/SP
Sample : K4983-11
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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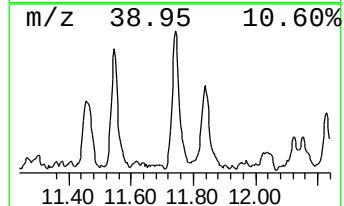
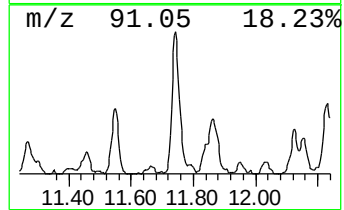
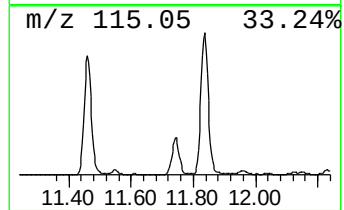
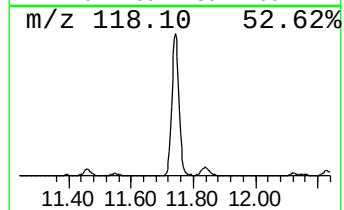
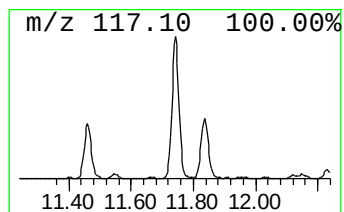
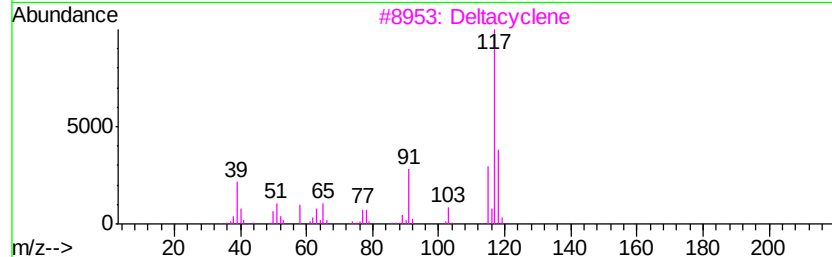
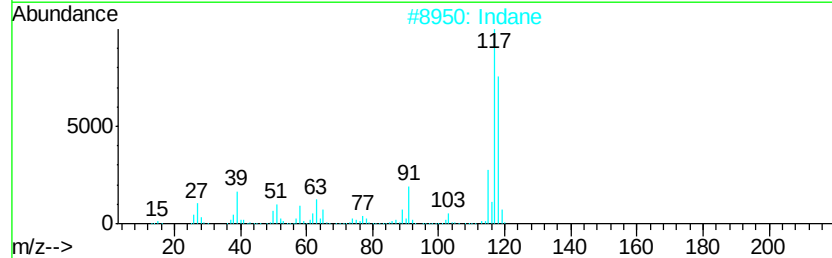
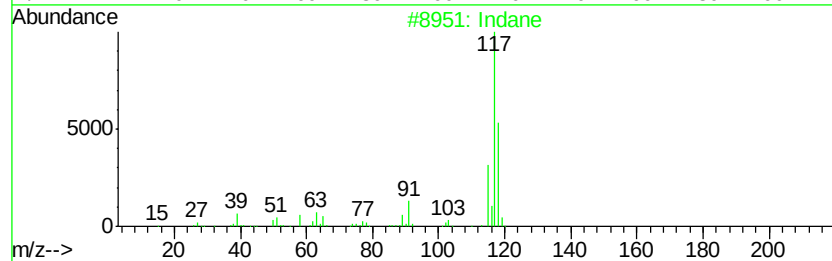
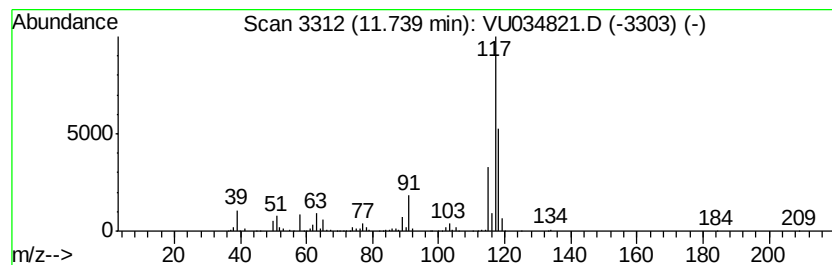
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Quant Title : VOC Analysis

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

Peak Number 13 Indane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	13.96 ug/L	383545	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	87
3		Deltacyclene	118	C9H10	007785-10-6	74
4		Benzene, cyclopropyl-	118	C9H10	000873-49-4	74
5		(Z)-1-Phenylpropene	118	C9H10	000766-90-5	74



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092519\
Data File : VU034821.D
Acq On : 25 Sep 2019 22:41
Operator : JC/SP
Sample : K4983-11
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ALS Vial : 32 Sample Multiplier: 1

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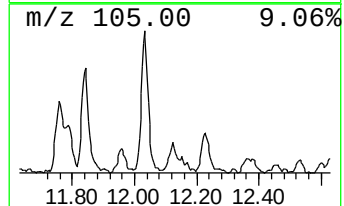
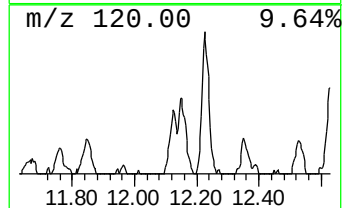
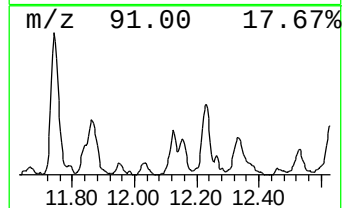
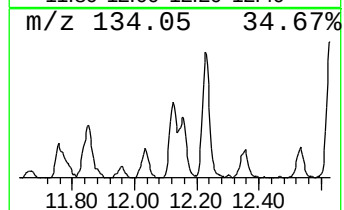
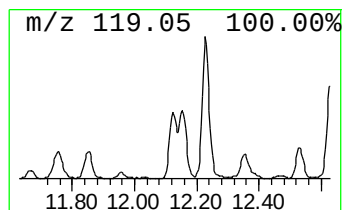
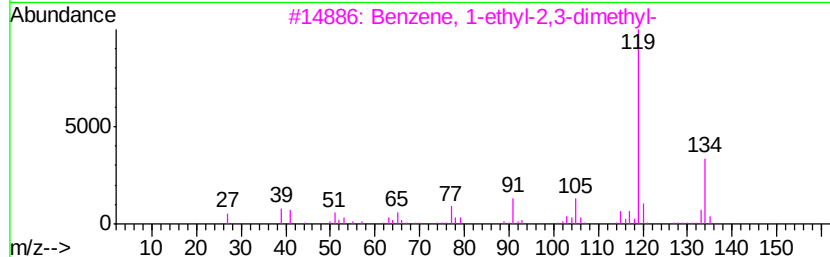
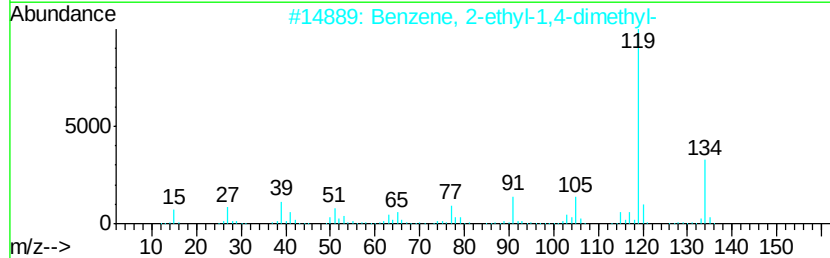
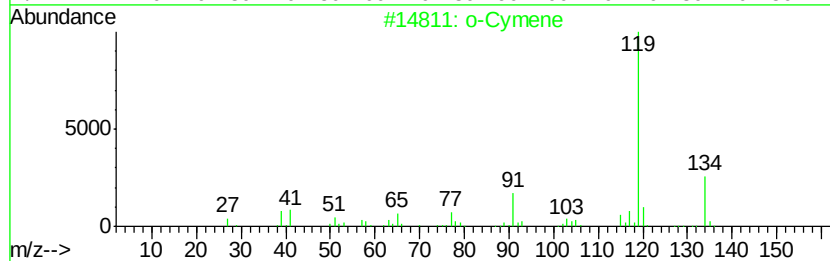
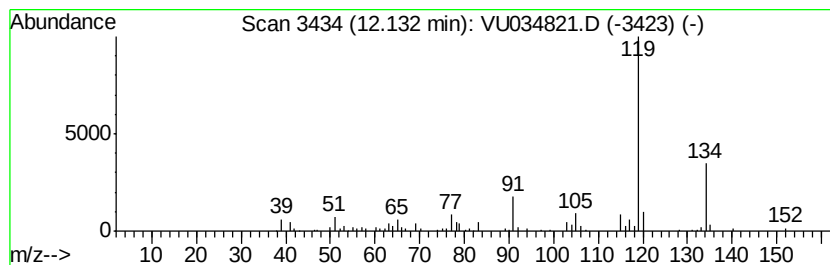
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Quant Title : VOC Analysis

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

Peak Number 14 o-Cymene Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	3.02 ug/L	82960	1,4-Dichlorobenzene-d4	11.46

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			o-Cymene	134	C10H14	000527-84-4	95
2			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
3			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
4			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	93
5			Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	93



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092519\
Data File : VU034821.D
Acq On : 25 Sep 2019 22:41
Operator : JC/SP
Sample : K4983-11
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
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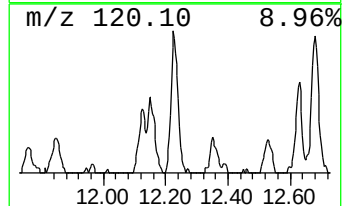
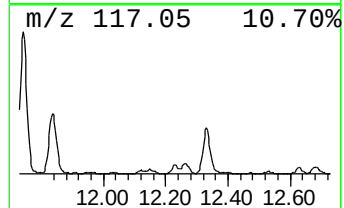
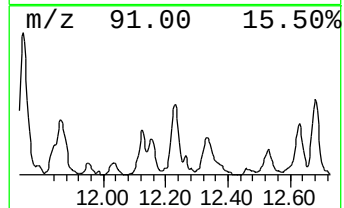
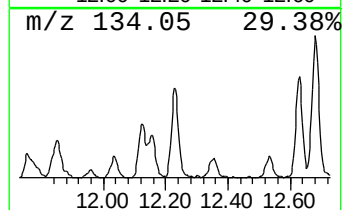
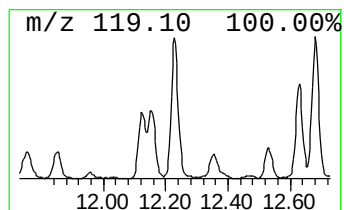
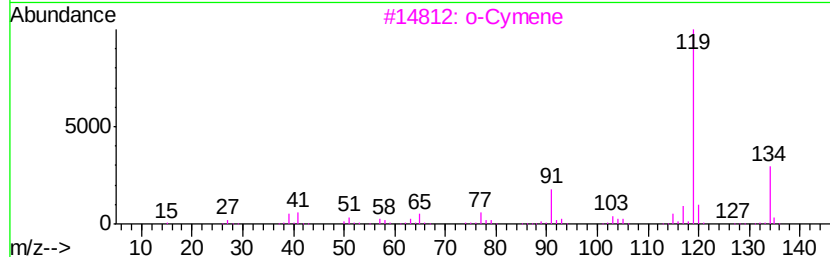
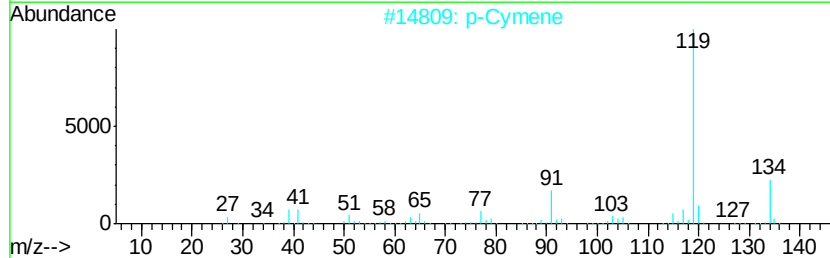
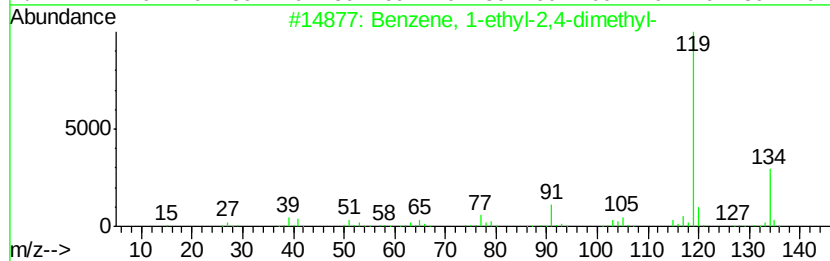
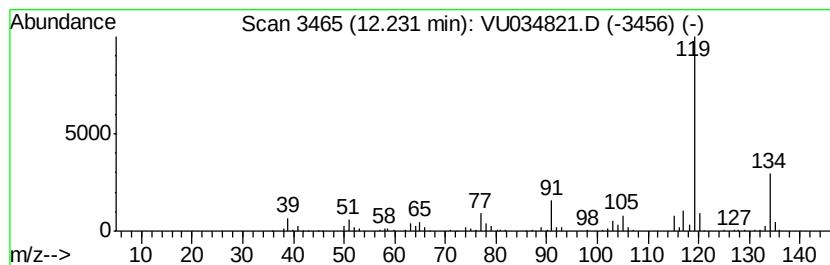
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Quant Title : VOC Analysis

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

Peak Number 15 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	5.58 ug/L	153384	1,4-Dichlorobenzene-d4	11.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	97
2		p-Cymene	134	C10H14	000099-87-6	97
3		o-Cymene	134	C10H14	000527-84-4	95
4		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
5		o-Cymene	134	C10H14	000527-84-4	95



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092519\
Data File : VU034821.D
Acq On : 25 Sep 2019 22:41
Operator : JC/SP
Sample : K4983-11
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
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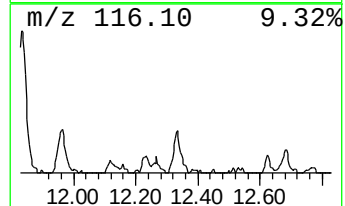
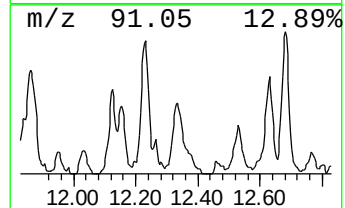
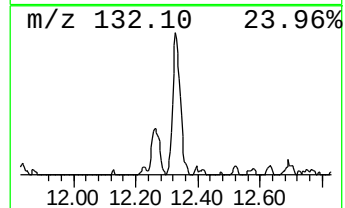
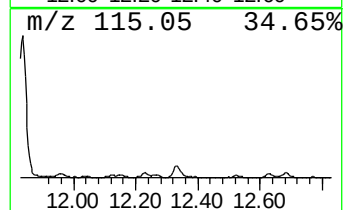
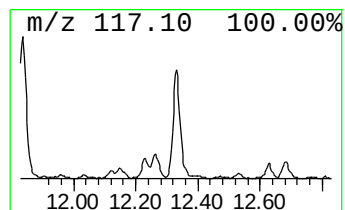
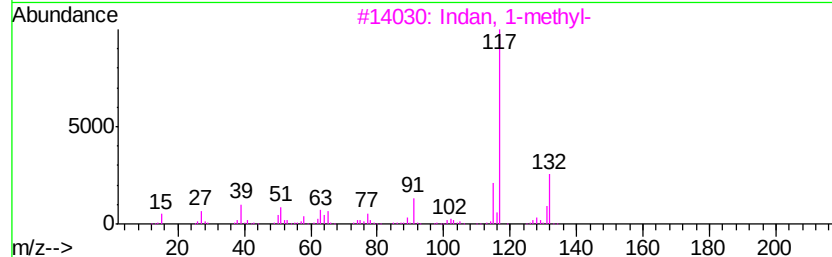
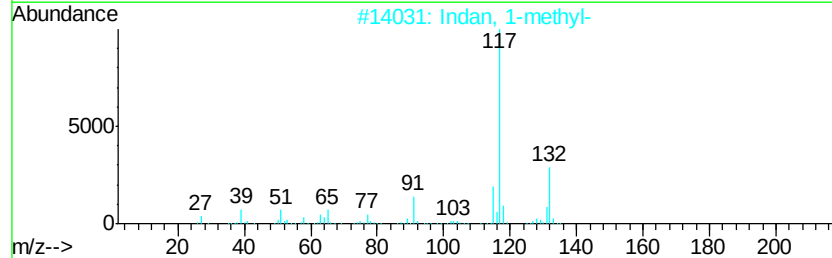
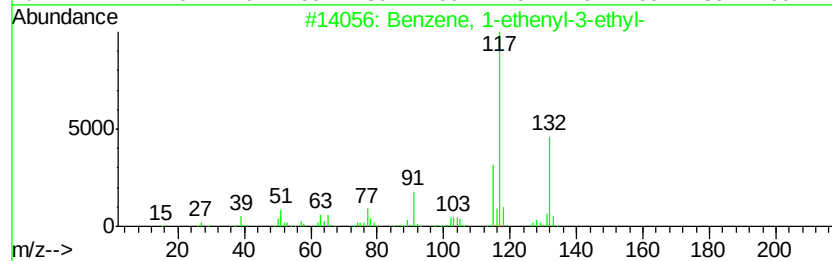
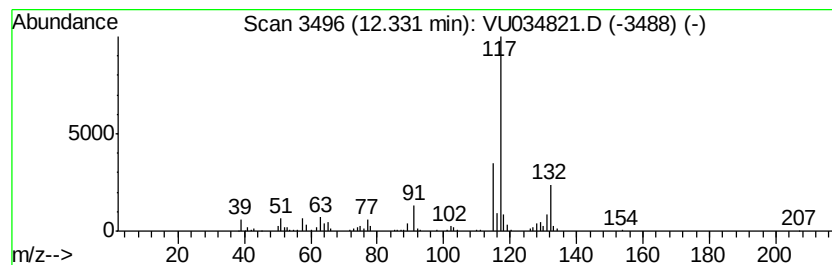
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Quant Title : VOC Analysis

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

Peak Number 16 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	5.35 ug/L	147003	1,4-Dichlorobenzene-d4	11.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	91
2		Indan, 1-methyl-	132	C10H12	000767-58-8	90
3		Indan, 1-methyl-	132	C10H12	000767-58-8	90
4		Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	87
5		Benzene, 2-butenyl-	132	C10H12	001560-06-1	80



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092519\
Data File : VU034821.D
Acq On : 25 Sep 2019 22:41
Operator : JC/SP
Sample : K4983-11
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampled :
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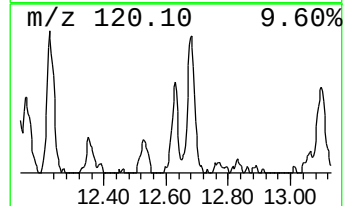
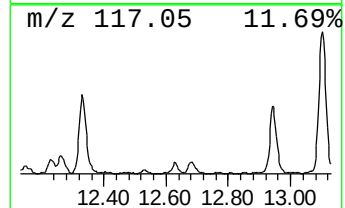
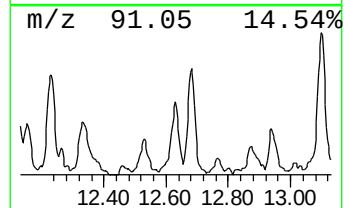
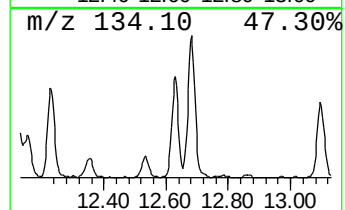
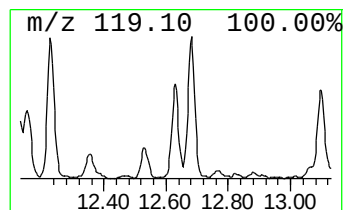
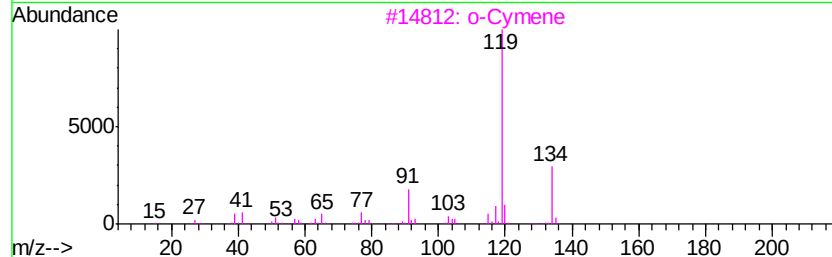
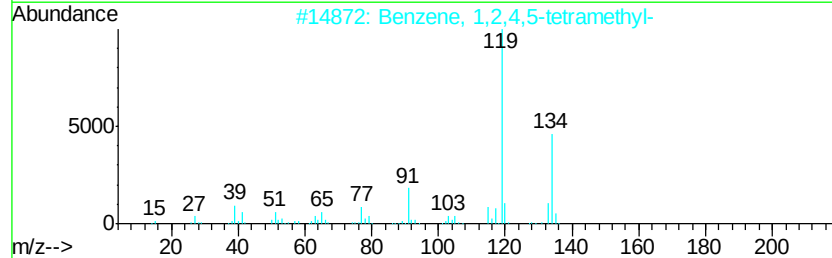
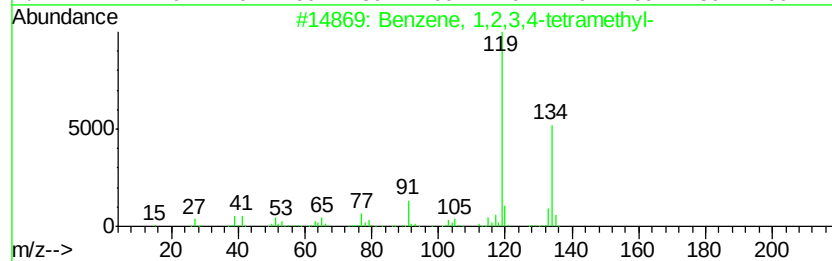
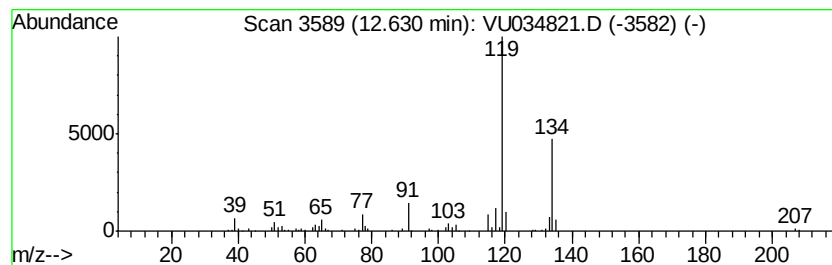
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Quant Title : VOC Analysis

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

Peak Number 17 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	4.56 ug/L	125431	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	94
2		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
3		o-Cymene	134	C10H14	000527-84-4	94
4		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
5		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092519\
Data File : VU034821.D
Acq On : 25 Sep 2019 22:41
Operator : JC/SP
Sample : K4983-11
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 32 Sample Multiplier: 1

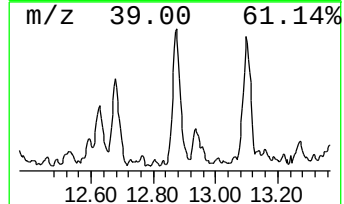
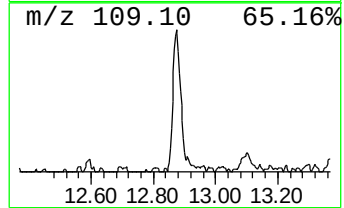
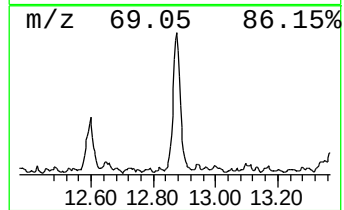
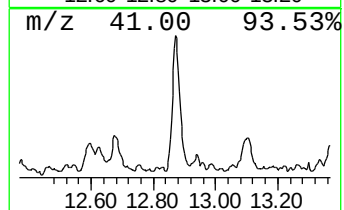
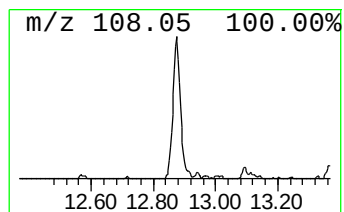
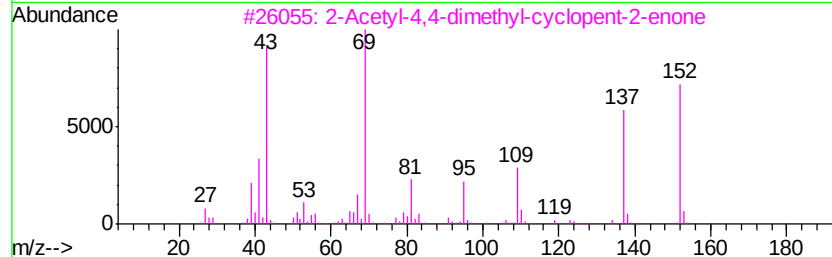
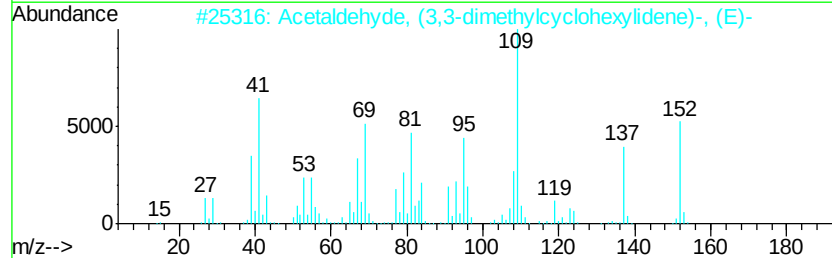
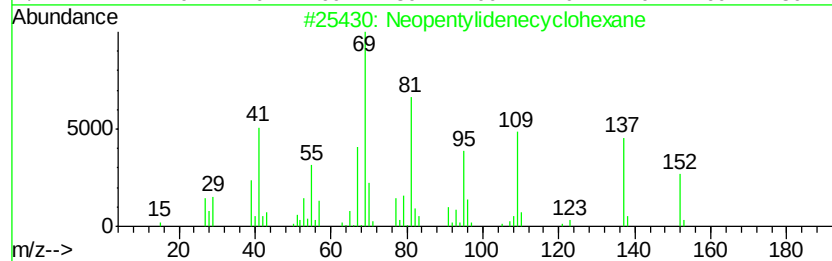
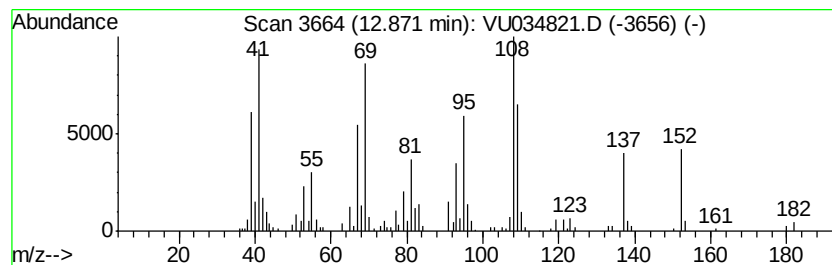
Instrument :
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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

Peak Number 19 unknown-01 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	6.19 ug/L	170060	1,4-Dichlorobenzene-d4	11.46
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Neopentylidenecyclohexane	152 C11H20	039546-80-0 45
2		Acetaldehyde, (3,3-dimethylcyclo...	152 C10H16O	026532-25-2 41
3		2-Acetyl-4,4-dimethyl-cyclopent-...	152 C9H12O2	081979-96-6 38
4		Ethanone, 1-(1,4-dimethyl-3-cycl...	152 C10H16O	043219-68-7 38
5		Bicyclo[2.2.1]heptan-2-one, 4,7,...	152 C10H16O	013854-85-8 38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092519\
Data File : VU034821.D
Acq On : 25 Sep 2019 22:41
Operator : JC/SP
Sample : K4983-11
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ALS Vial : 32 Sample Multiplier: 1

Instrument :
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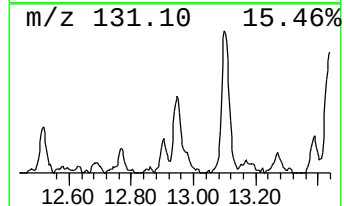
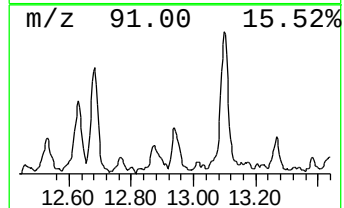
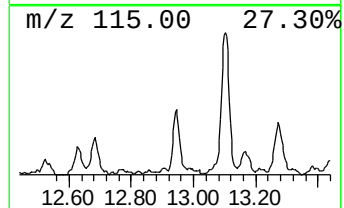
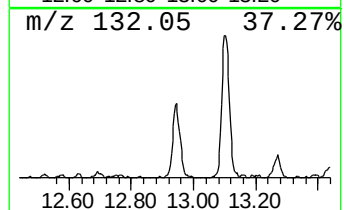
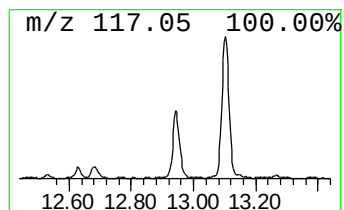
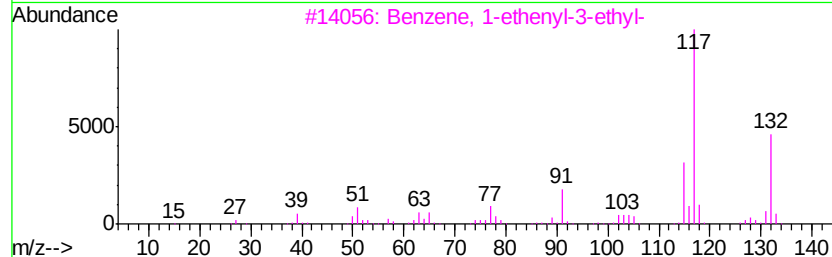
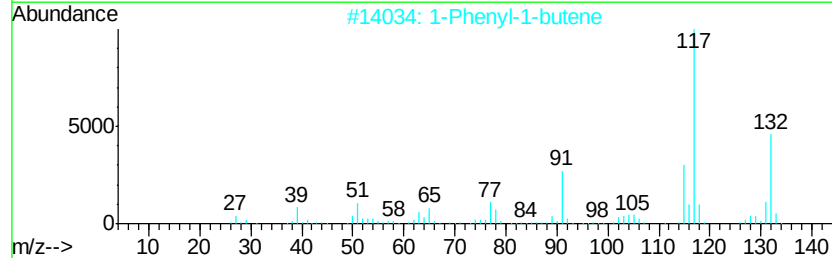
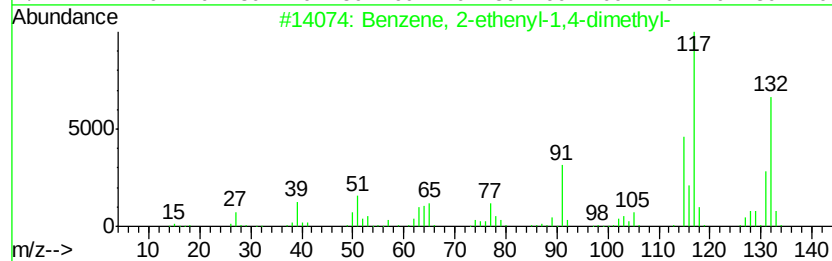
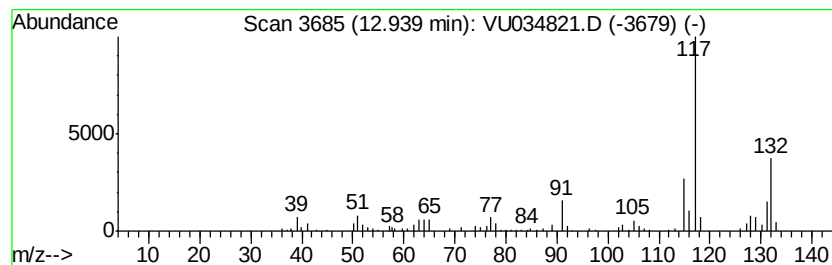
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Quant Title : VOC Analysis

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

Peak Number 20 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	3.78 ug/L	103882	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	92
2		1-Phenyl-1-butene	132	C10H12	000824-90-8	90
3		Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
4		Indan, 1-methyl-	132	C10H12	000767-58-8	87
5		Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092519\
Data File : VU034821.D
Acq On : 25 Sep 2019 22:41
Operator : JC/SP
Sample : K4983-11
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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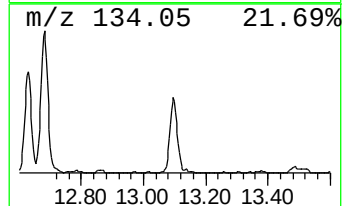
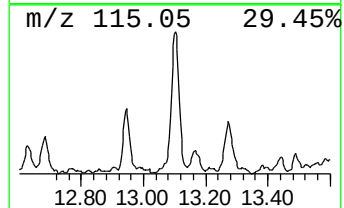
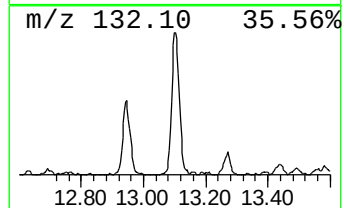
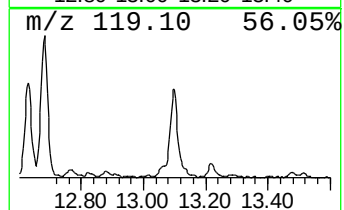
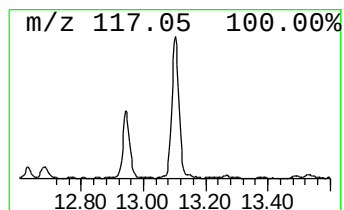
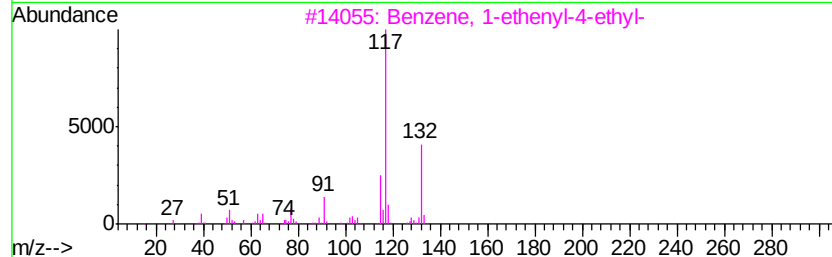
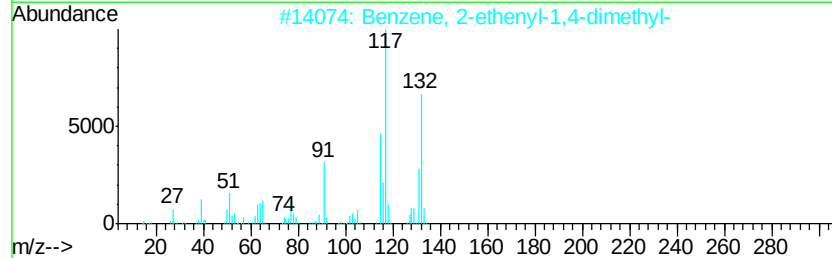
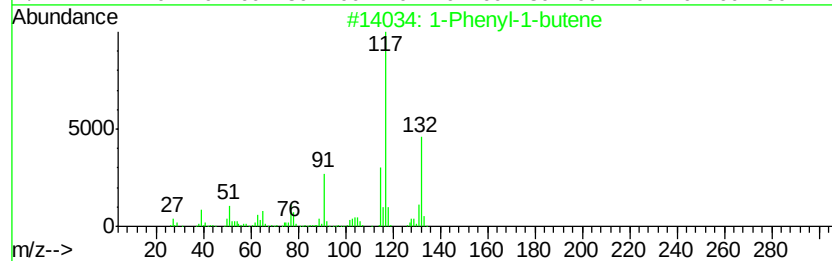
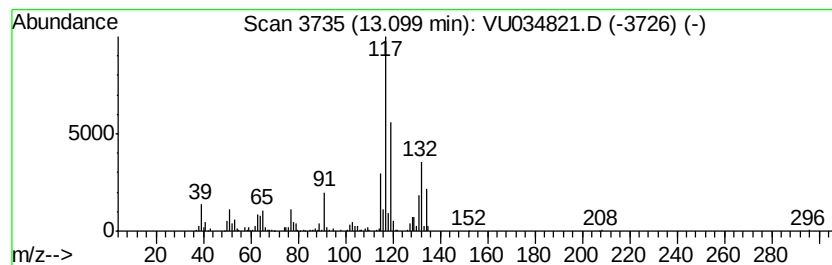
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Quant Title : VOC Analysis

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

Peak Number 21 1-Phenyl-1-butene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	10.92 ug/L	299992	1,4-Dichlorobenzene-d4	11.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Phenyl-1-butene	132	C10H12	000824-90-8	70
2		Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	64
3		Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	64
4		1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	64
5		2,4-Dimethylstyrene	132	C10H12	002234-20-0	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092519\
Data File : VU034821.D
Acq On : 25 Sep 2019 22:41
Operator : JC/SP
Sample : K4983-11
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDJ4

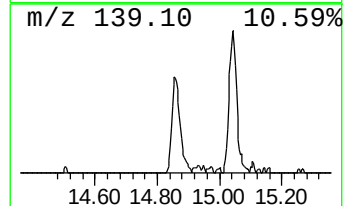
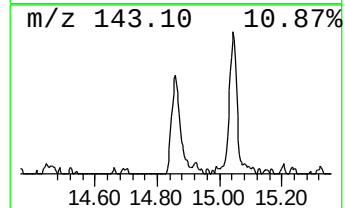
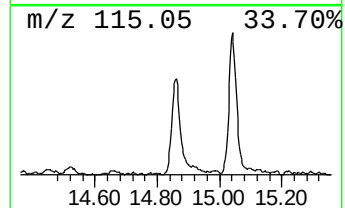
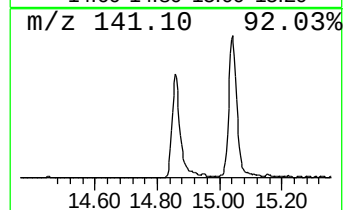
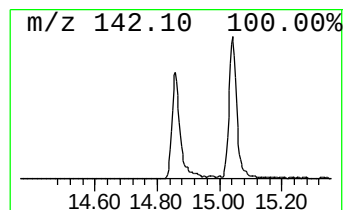
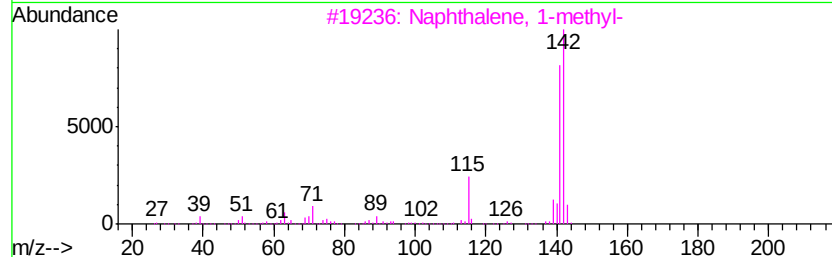
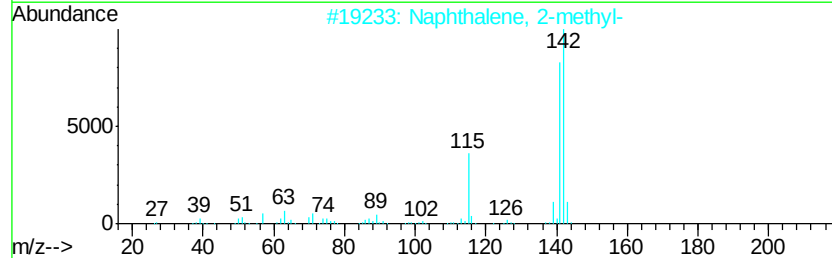
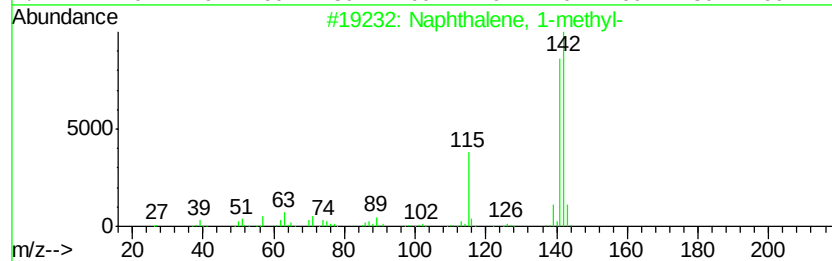
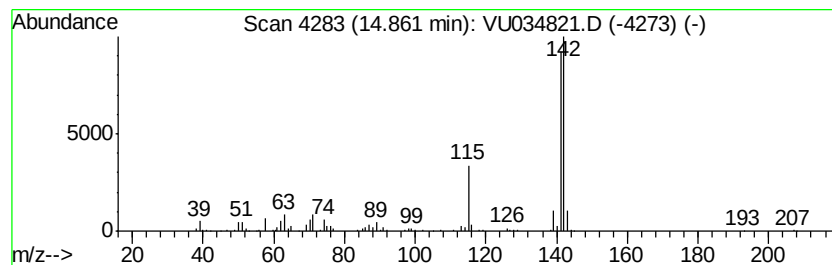
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Quant Title : VOC Analysis

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

Peak Number 23 Naphthalene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	7.15 ug/L	196585	1,4-Dichlorobenzene-d4	11.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	97
2		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
3		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
4		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
5		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
 Data File : VU034821.D
 Acq On : 25 Sep 2019 22:41
 Operator : JC/SP
 Sample : K4983-11
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDJ4

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	7.3	ug/L	194328	1	5.86	1325180	50.0
n-Propyl acetate	6.68	131.8	ug/L	3494510	1	5.86	1325180	50.0
Propanoic acid, 1...	7.40	14.9	ug/L	395354	1	5.86	1325180	50.0
Propanoic acid, 2...	8.13	22.1	ug/L	684967	2	9.07	1553350	50.0
Propanoic acid, p...	8.40	36.5	ug/L	1135630	2	9.07	1553350	50.0
Butanoic acid, 1-...	8.88	43.6	ug/L	1356190	2	9.07	1553350	50.0
Benzene, propyl-	10.57	5.8	ug/L	160630	3	11.46	1373930	50.0
Benzene, 1-ethyl-...	10.95	7.3	ug/L	201738	3	11.46	1373930	50.0
Indane	11.74	14.0	ug/L	383545	3	11.46	1373930	50.0
o-Cymene	12.13	3.0	ug/L	82960	3	11.46	1373930	50.0
Benzene, 1-ethyl-...	12.23	5.6	ug/L	153384	3	11.46	1373930	50.0
Benzene, 1-etheny...	12.33	5.3	ug/L	147003	3	11.46	1373930	50.0
Benzene, 1,2,3,4-...	12.63	4.6	ug/L	125431	3	11.46	1373930	50.0
unknown-01	12.87	6.2	ug/L	170060	3	11.46	1373930	50.0
Benzene, 2-etheny...	12.94	3.8	ug/L	103882	3	11.46	1373930	50.0
1-Phenyl-1-butene	13.10	10.9	ug/L	299992	3	11.46	1373930	50.0
Naphthalene, 1-me...	14.86	7.2	ug/L	196585	3	11.46	1373930	50.0