

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032419\
 Data File : VU030376.D
 Acq On : 24 Mar 2019 17:24
 Operator : JC/SP
 Sample : K2016-10
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0987

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\SOMULM032319WMA.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	1.183	23	29	41	rVB3	17860	19823	0.01%	0.003%
2	1.328	70	74	81	rVB3	5316	5432	0.00%	0.001%
3	1.395	88	95	107	rVB	220471	222002	0.08%	0.037%
4	1.473	114	119	125	rBV2	7053	7542	0.00%	0.001%
5	1.514	128	132	138	rVV2	8533	8791	0.00%	0.001%
6	1.672	174	181	198	rVB	165884	226034	0.09%	0.038%
7	1.752	202	206	215	rVB6	12218	15899	0.01%	0.003%
8	1.791	215	218	222	rBV3	1902	1563	0.00%	0.000%
9	1.942	260	265	273	rVB4	7377	10194	0.00%	0.002%
10	2.013	282	287	298	rVB4	6044	9209	0.00%	0.002%
11	2.186	336	341	346	rVV6	5171	6525	0.00%	0.001%
12	2.267	355	366	375	rBV	354388	544225	0.21%	0.092%
13	2.321	375	383	398	rVB	137090	224083	0.09%	0.038%
14	2.444	409	421	439	rBV	75211	140243	0.05%	0.024%
15	2.701	491	501	509	rBV2	16222	31874	0.01%	0.005%
16	2.739	510	513	517	rVV3	7691	9021	0.00%	0.002%
17	2.788	517	528	533	rVV	88248	162027	0.06%	0.027%
18	2.836	534	543	566	rVB	204413	445918	0.17%	0.075%
19	2.993	583	592	603	rVV5	8789	19152	0.01%	0.003%
20	3.090	618	622	625	rBV	2236	1621	0.00%	0.000%
21	3.170	645	647	657	rVV3	1862	2734	0.00%	0.000%
22	3.302	672	688	701	rBV5	6451	16088	0.01%	0.003%
23	3.450	721	734	740	rBV3	2343	4706	0.00%	0.001%
24	3.537	755	761	767	rVB	1718	2069	0.00%	0.000%
25	3.672	800	803	808	rVB	1718	1565	0.00%	0.000%
26	3.710	808	815	818	rBV	2226	2618	0.00%	0.000%
27	4.090	914	933	948	rBV	224972	610490	0.23%	0.103%
28	4.186	948	963	991	rVV3	421741	1285884	0.49%	0.217%
29	4.386	1015	1025	1043	rVB	28871	64707	0.02%	0.011%
30	4.669	1089	1113	1134	rBV2	2528911	6413073	2.45%	1.083%
31	4.993	1196	1214	1232	rVB4	115786	282431	0.11%	0.048%
32	5.135	1236	1258	1277	rBV	992834	2376111	0.91%	0.401%
33	5.418	1301	1346	1392	rBV5	84864235	261763859	100.00%	44.211%
34	5.884	1481	1491	1520	rVB	588259	1242887	0.47%	0.210%

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Integration Parameters: LSCINT.P

Integrator: RTE
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Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
 Title : VOC Analysis

35	6.022	1530	1534	1537	rVB2	2287	1765	0.00%	0.000%
36	6.141	1567	1571	1575	rVV3	2114	2420	0.00%	0.000%
37	6.183	1575	1584	1597	rVV3	24792	50018	0.02%	0.008%
38	6.328	1612	1629	1642	rBV	383790	771345	0.29%	0.130%
39	6.636	1715	1725	1737	rBV4	9355	19502	0.01%	0.003%
40	6.717	1744	1750	1751	rBV	2580	2123	0.00%	0.000%
41	6.755	1751	1762	1778	rVV2	39302	79288	0.03%	0.013%
42	6.820	1778	1782	1786	rVV2	1796	2276	0.00%	0.000%
43	6.871	1794	1798	1801	rVV2	2498	2311	0.00%	0.000%
44	6.942	1817	1820	1825	rVB	1876	1558	0.00%	0.000%
45	7.070	1849	1860	1868	rBV3	3751	6065	0.00%	0.001%
46	7.225	1897	1908	1929	rBV	199575	365612	0.14%	0.062%
47	7.395	1953	1961	1968	rBV5	3717	4683	0.00%	0.001%
48	7.472	1978	1985	1993	rBV6	4356	7532	0.00%	0.001%
49	7.562	1993	2013	2028	rBV	728325	1332700	0.51%	0.225%
50	7.640	2029	2037	2053	rVB	75235	152342	0.06%	0.026%
51	7.849	2091	2102	2118	rBV	139156	250437	0.10%	0.042%
52	8.054	2159	2166	2167	rBV2	2727	2893	0.00%	0.000%
53	8.167	2194	2201	2203	rBV	2892	2848	0.00%	0.000%
54	8.228	2209	2220	2235	rVB3	27336	48934	0.02%	0.008%
55	8.318	2235	2248	2283	rBV	468820	1075523	0.41%	0.182%
56	8.476	2289	2297	2315	rVV4	14727	30388	0.01%	0.005%
57	8.643	2345	2349	2355	rBV	2018	3002	0.00%	0.001%
58	8.996	2456	2459	2465	rVB	1570	1534	0.00%	0.000%
59	9.212	2476	2526	2572	rBV8	150593266	5765026	2.20%	0.974%
60	9.385	2575	2580	2592	rVB5	22126	37910	0.01%	0.006%
61	9.787	2699	2705	2715	rVB5	8710	14925	0.01%	0.003%
62	9.913	2740	2744	2748	rBV	2302	2023	0.00%	0.000%
63	9.961	2752	2759	2766	rVB7	6237	9757	0.00%	0.002%
64	10.038	2777	2783	2788	rBV3	1947	2452	0.00%	0.000%
65	10.125	2807	2810	2813	rBV	2753	1704	0.00%	0.000%
66	10.250	2847	2849	2855	rVV4	2606	2824	0.00%	0.000%
67	10.279	2855	2858	2862	rVB2	2039	1712	0.00%	0.000%
68	10.434	2893	2906	2933	rVV2	590953	1515369	0.58%	0.256%
69	10.607	2956	2960	2964	rVB4	2298	1987	0.00%	0.000%
70	10.662	2967	2977	2991	rBV	71747	120873	0.05%	0.020%
71	10.778	3004	3013	3032	rVB2	32730	57631	0.02%	0.010%

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72	11.102	3105	3114	3125	rVB7	17789	32021	0.01%	0.005%
73	11.160	3125	3132	3140	rBV4	3726	6491	0.00%	0.001%
74	11.430	3197	3216	3230	rBV2	36571122	80632224	30.80%	13.618%
75	11.765	3314	3320	3335	rVB5	15343	35325	0.01%	0.006%
76	12.154	3435	3441	3456	rVB6	20378	35253	0.01%	0.006%
77	12.353	3497	3503	3513	rVB	21254	32238	0.01%	0.005%
78	12.575	3565	3572	3579	rBV7	13902	19502	0.01%	0.003%
79	12.633	3579	3590	3607	rVB	720314	1098506	0.42%	0.186%
80	12.816	3634	3647	3653	rBV3	144525	312197	0.12%	0.053%
81	12.861	3653	3661	3688	rVV2	430980	845962	0.32%	0.143%
82	12.987	3688	3700	3718	rVB	353532	566978	0.22%	0.096%
83	13.234	3769	3777	3789	rVB2	31071	55545	0.02%	0.009%
84	13.321	3796	3804	3816	rVV4	13675	25060	0.01%	0.004%
85	13.414	3831	3833	3836	rBV2	1922	1526	0.00%	0.000%
86	13.524	3843	3867	3906	rBV2	91803141	171281196	65.43%	28.929%
87	13.745	3927	3936	3945	rVB	35136	58860	0.02%	0.010%
88	13.993	3996	4013	4040	rBV	28240792	44465008	16.99%	7.510%
89	14.321	4112	4115	4117	rBV3	2279	1607	0.00%	0.000%
90	14.382	4124	4134	4152	rBV2	88709	164992	0.06%	0.028%
91	14.540	4170	4183	4195	rVB5	23140	61721	0.02%	0.010%
92	14.752	4245	4249	4258	rVB7	7598	9498	0.00%	0.002%
93	14.868	4275	4285	4299	rBV7	10803	23496	0.01%	0.004%
94	15.003	4324	4327	4329	rBV3	2526	1651	0.00%	0.000%
95	15.067	4331	4347	4363	rVB	607979	1090543	0.42%	0.184%
96	15.157	4372	4375	4382	rVB	3568	3179	0.00%	0.001%
97	15.237	4397	4400	4402	rBV	2639	1821	0.00%	0.000%
98	15.646	4514	4527	4547	rBV	2012780	3276966	1.25%	0.553%
99	15.961	4622	4625	4631	rBV3	2518	2900	0.00%	0.000%
100	16.909	4914	4920	4927	rVB9	4946	6639	0.00%	0.001%

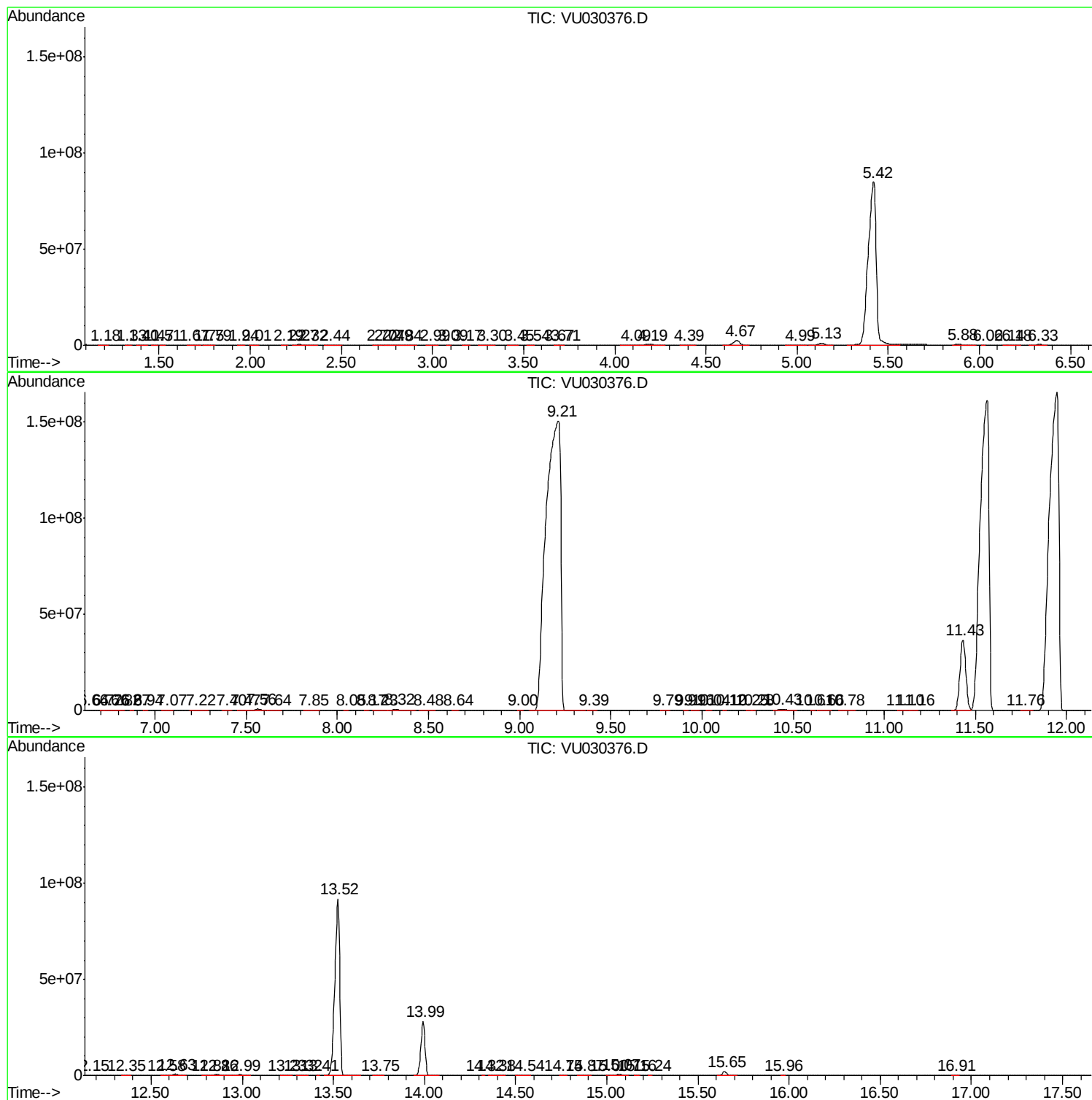
Sum of corrected areas: 592080597

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

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



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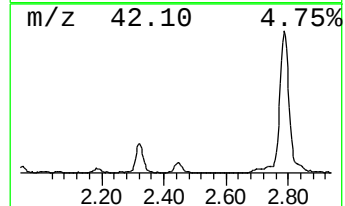
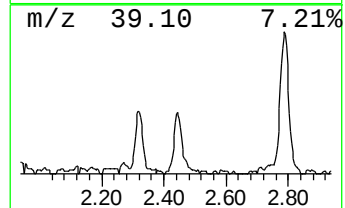
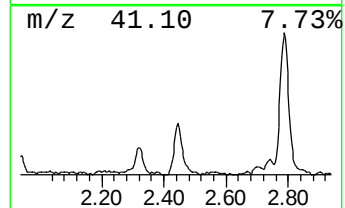
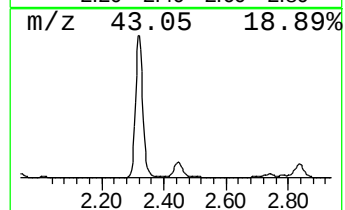
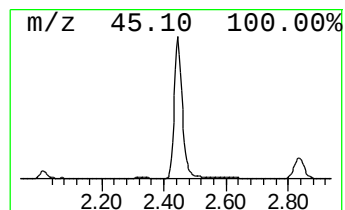
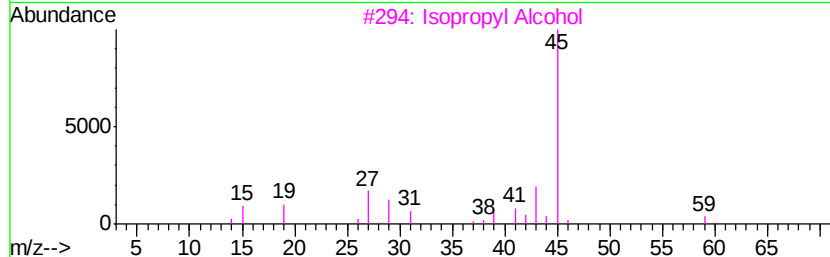
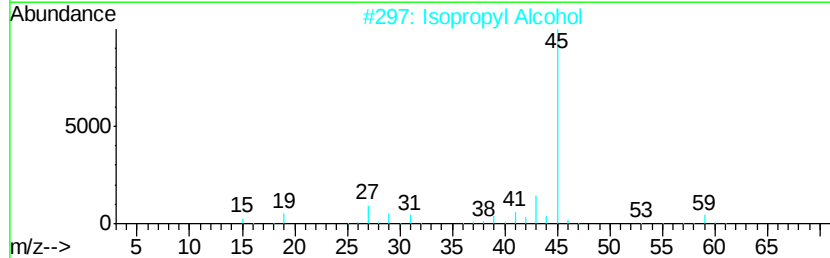
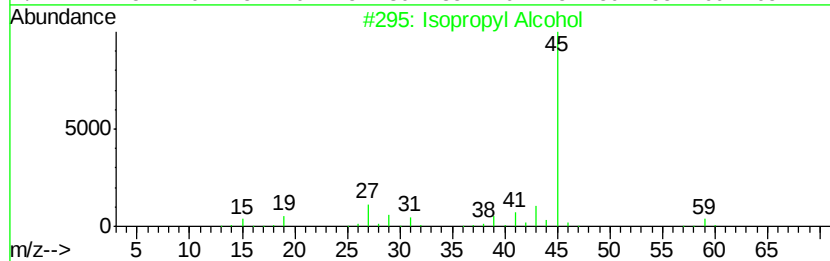
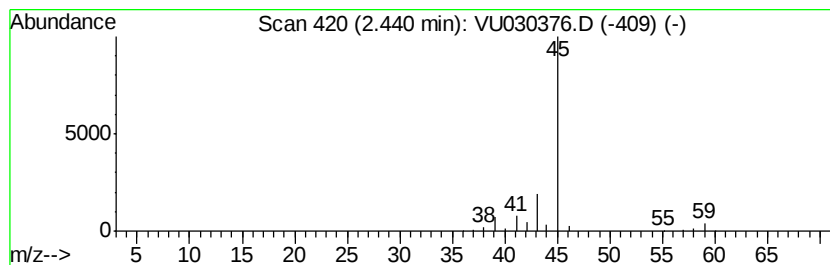
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

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

Peak Number 1 Isopropyl Alcohol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.44	5.64 ug/L	140243	1,4-Difluorobenzene	5.88

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Isopropyl Alcohol	60	C3H8O	000067-63-0	78
2			Isopropyl Alcohol	60	C3H8O	000067-63-0	64
3			Isopropyl Alcohol	60	C3H8O	000067-63-0	64
4			Hydrazine, 1,2-dimethyl-	60	C2H8N2	000540-73-8	9
5			4-Penten-2-ol	86	C5H10O	000625-31-0	9



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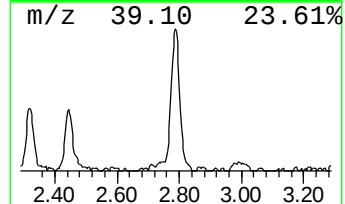
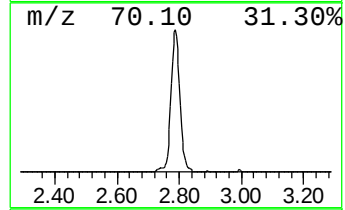
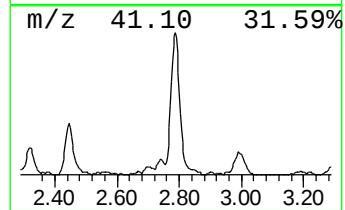
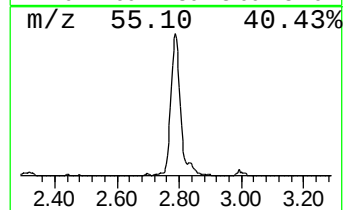
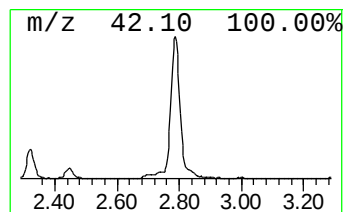
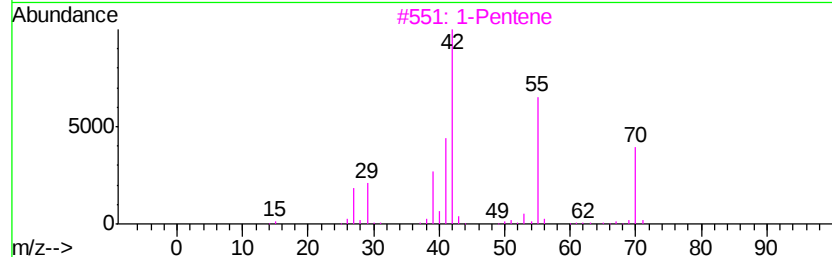
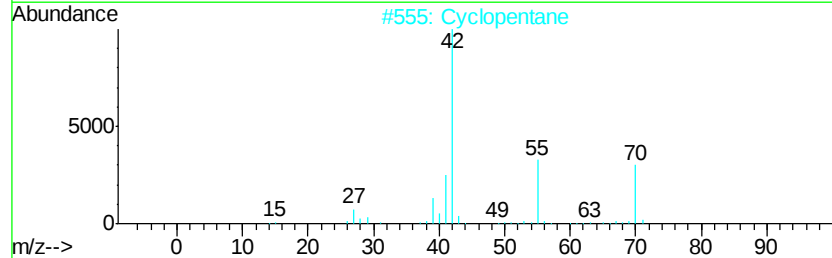
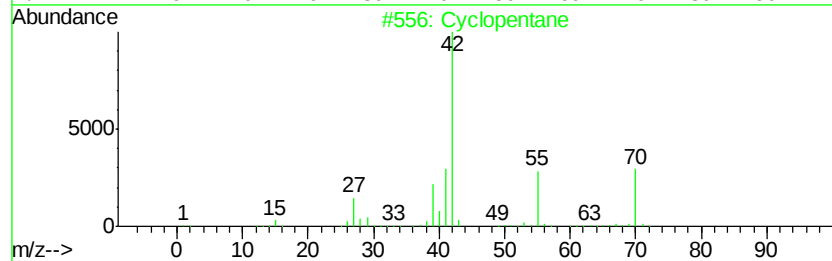
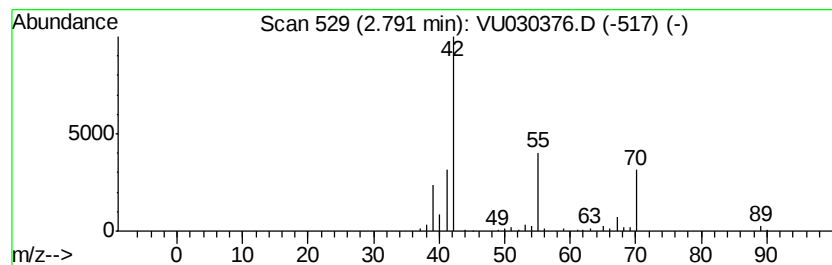
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Quant Title : VOC Analysis

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

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.79	6.52 ug/L	162027	1,4-Difluorobenzene	5.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane	70	C5H10	000287-92-3	80
2		Cyclopentane	70	C5H10	000287-92-3	78
3		1-Pentene	70	C5H10	000109-67-1	46
4		1-Pentene	70	C5H10	000109-67-1	37
5		Cyclopropane, ethyl-	70	C5H10	001191-96-4	9



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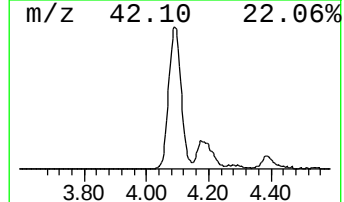
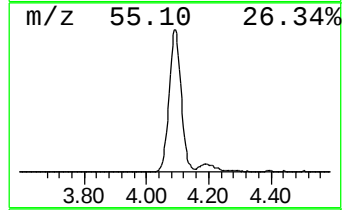
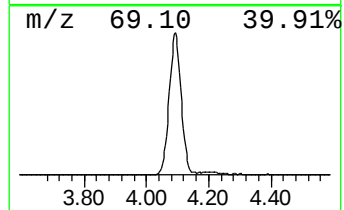
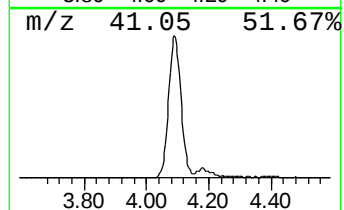
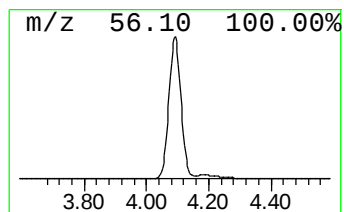
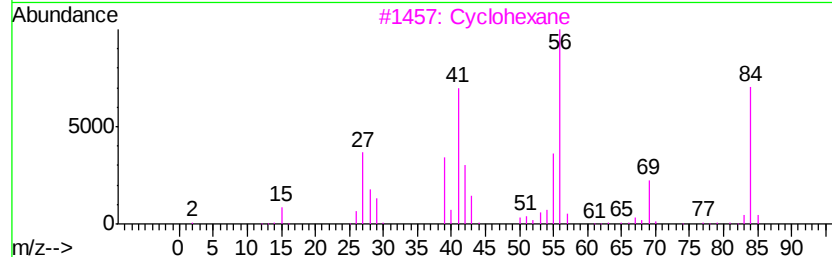
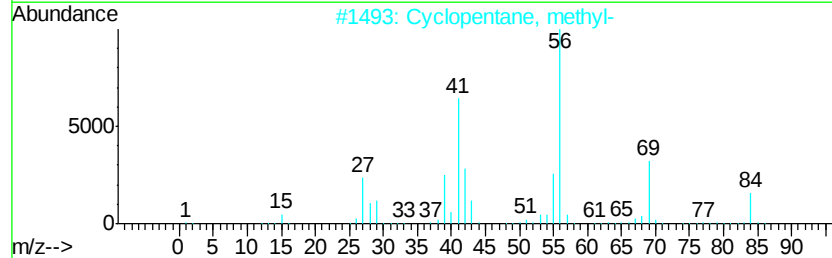
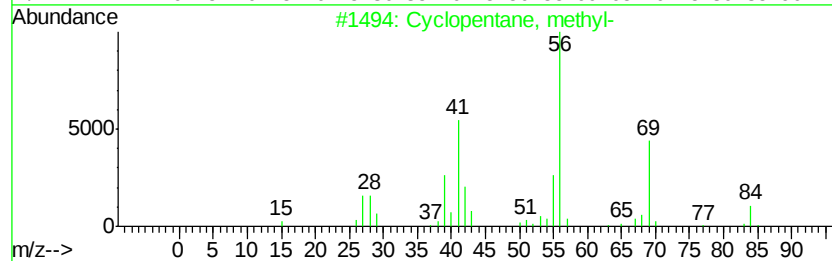
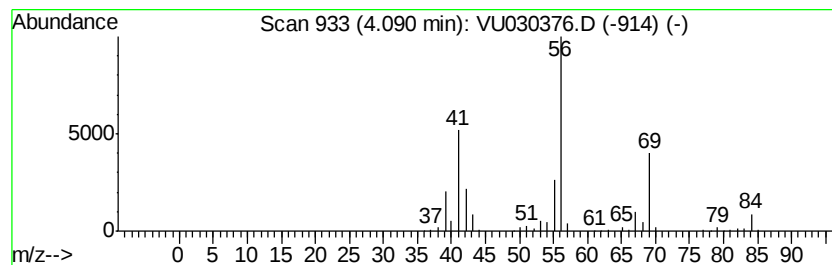
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Quant Title : VOC Analysis

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TIC Integration Parameters: LSCINT.P

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.09	24.56 ug/L	610490	1,4-Difluorobenzene	5.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2		Cyclopentane, methyl-	84	C6H12	000096-37-7	86
3		Cyclohexane	84	C6H12	000110-82-7	86
4		Cyclohexane	84	C6H12	000110-82-7	78
5		Cyclohexane	84	C6H12	000110-82-7	78



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU032419\
Data File : VU030376.D
Acq On : 24 Mar 2019 17:24
Operator : JC/SP
Sample : K2016-10
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0987

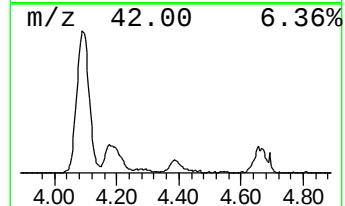
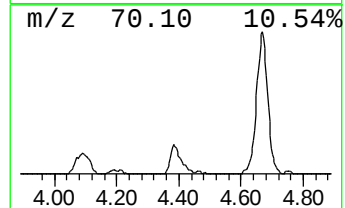
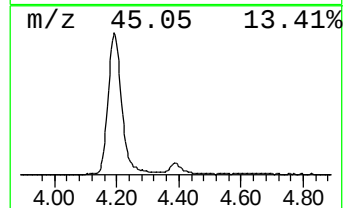
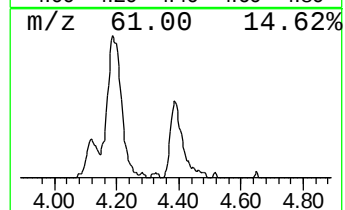
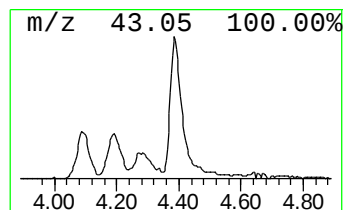
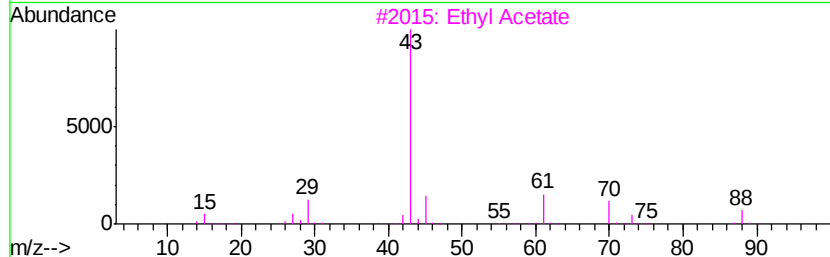
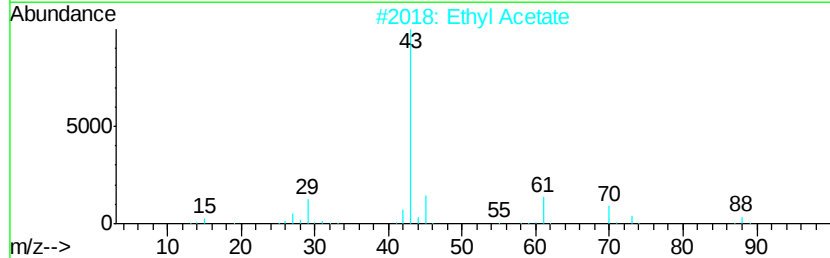
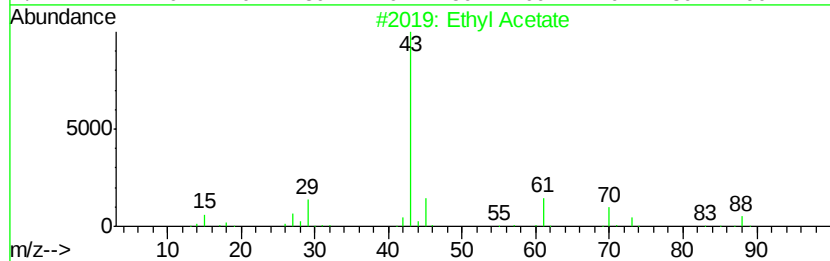
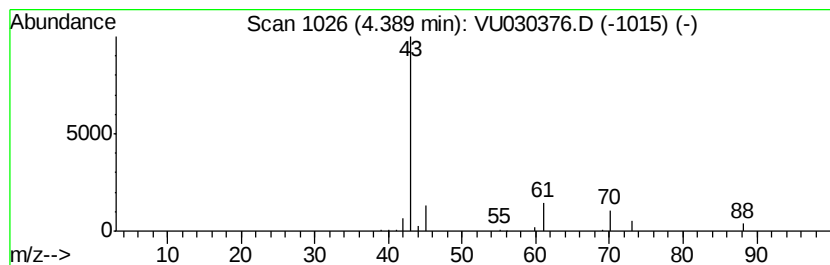
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Quant Title : VOC Analysis

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

Peak Number 5 Ethyl Acetate Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.39	2.60 ug/L	64707	1,4-Difluorobenzene	5.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Ethyl Acetate	88	C4H8O2	000141-78-6	86
2		Ethyl Acetate	88	C4H8O2	000141-78-6	86
3		Ethyl Acetate	88	C4H8O2	000141-78-6	78
4		Ethyl Acetate	88	C4H8O2	000141-78-6	72
5		CH3C(O)CH2CH2OH	88	C4H8O2	000590-90-9	9



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU032419\
Data File : VU030376.D
Acq On : 24 Mar 2019 17:24
Operator : JC/SP
Sample : K2016-10
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0987

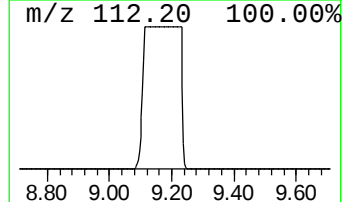
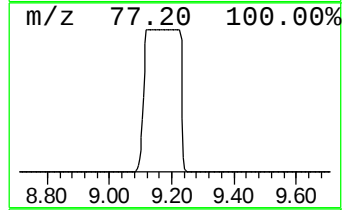
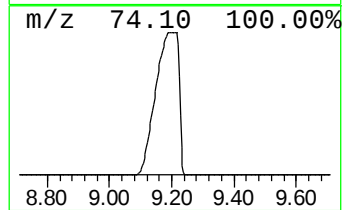
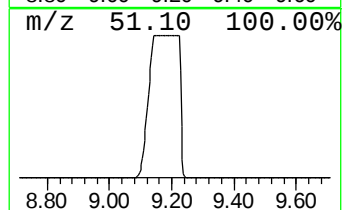
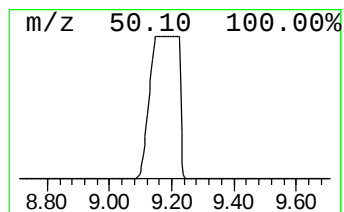
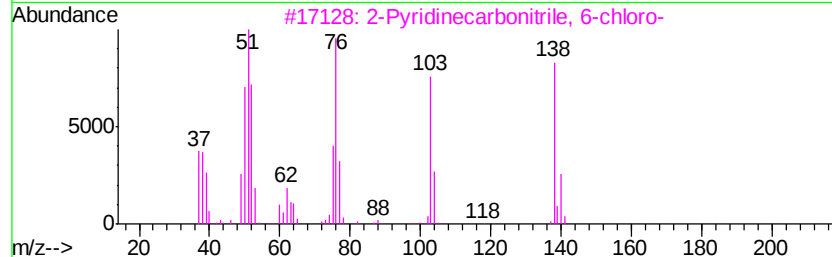
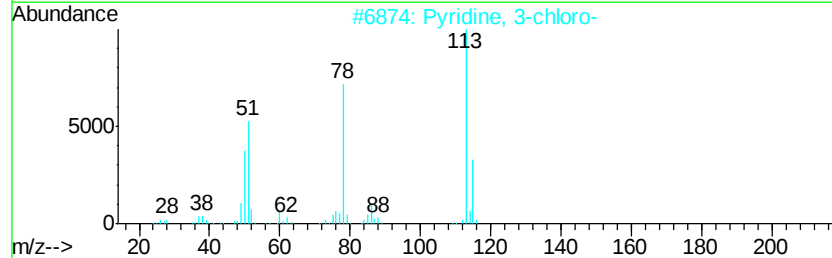
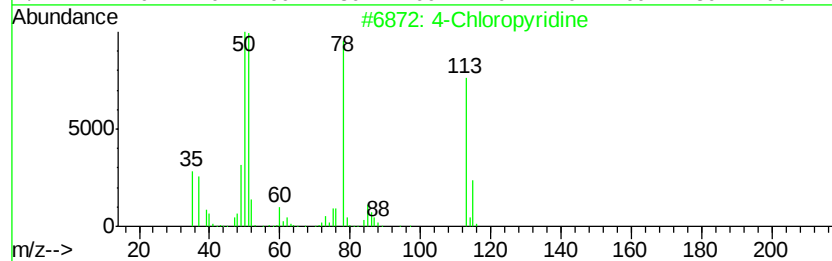
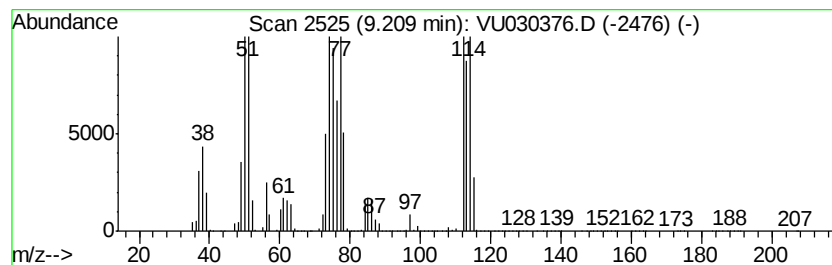
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

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

Peak Number 7 4-Chloropyridine Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.21	50.00 ug/L	5765030	Chlorobenzene-d5	9.15

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4-Chloropyridine	113	C5H4ClN	000626-61-9	83
2		Pyridine, 3-chloro-	113	C5H4ClN	000626-60-8	64
3		2-Pyridinecarbonitrile, 6-chloro-	138	C6H3ClN2	033252-29-8	62
4		1,5-Hexadiyne	78	C6H6	000628-16-0	33
5		4-Chlorobuten-3-yne	86	C4H3Cl	040589-38-6	23



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Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0987

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.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 Alcohol	2.44	5.6	ug/L	140243	1	5.88	1242890	50.0
(DEL) Alkane: Str...	2.79	6.5	ug/L	162027	1	5.88	1242890	50.0
(DEL) Alkane: Str...	4.09	24.6	ug/L	610490	1	5.88	1242890	50.0
Ethyl Acetate	4.39	2.6	ug/L	64707	1	5.88	1242890	50.0
4-Chloropyridine	9.21	50.0	ug/L	5765030	2	9.15	5765030	50.0