

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052419\
 Data File : VU032299.D
 Acq On : 24 May 2019 09:27
 Operator : JC/SP
 Sample : K3001-12 50X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YF7

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\SOMULM052419WMA.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	1.180	25	28	40	rVB2	9738	10966	0.01%	0.008%
2	1.396	88	95	105	rBV	364884	378901	0.42%	0.274%
3	1.669	172	180	198	rVB	281159	375754	0.42%	0.271%
4	2.183	337	340	355	rVB9	8037	10802	0.01%	0.008%
5	2.267	355	366	379	rBV	636837	965188	1.07%	0.697%
6	2.447	413	422	439	rBV3	11748	27352	0.03%	0.020%
7	2.508	439	441	446	rBV2	764	575	0.00%	0.000%
8	2.694	490	499	506	rBV6	2178	4347	0.00%	0.003%
9	2.833	527	542	559	rVV	110765	244810	0.27%	0.177%
10	2.987	584	590	595	rVB5	1204	1318	0.00%	0.001%
11	3.116	625	630	634	rBV3	858	837	0.00%	0.001%
12	3.360	700	706	709	rBV3	1056	1156	0.00%	0.001%
13	3.395	714	717	721	rVB3	918	699	0.00%	0.001%
14	3.550	761	765	771	rVV4	587	637	0.00%	0.000%
15	3.723	813	819	822	rBV2	930	843	0.00%	0.001%
16	3.945	885	888	892	rBV3	635	625	0.00%	0.000%
17	4.071	922	927	929	rBV2	1041	950	0.00%	0.001%
18	4.174	946	959	999	rBV3	239880	757894	0.84%	0.547%
19	4.640	1087	1104	1137	rBV	455492	1086250	1.20%	0.784%
20	4.801	1151	1154	1161	rVB5	1688	1952	0.00%	0.001%
21	4.849	1161	1169	1172	rBV5	1145	1797	0.00%	0.001%
22	4.990	1199	1213	1227	rVV4	28175	65623	0.07%	0.047%
23	5.074	1231	1239	1258	rVB10	3366	8739	0.01%	0.006%
24	5.218	1274	1284	1286	rBV5	5913	9476	0.01%	0.007%
25	5.334	1299	1320	1352	rVB2	945495	2728771	3.02%	1.970%
26	5.550	1380	1387	1398	rVV7	13155	22647	0.03%	0.016%
27	5.620	1399	1409	1422	rVB5	25951	53604	0.06%	0.039%
28	5.759	1447	1452	1453	rBV2	1855	1546	0.00%	0.001%
29	5.775	1453	1457	1458	rBV2	4016	2405	0.00%	0.002%
30	5.881	1476	1490	1514	rBV	871603	1722035	1.91%	1.243%
31	6.087	1552	1554	1560	rVB6	1816	1547	0.00%	0.001%
32	6.112	1560	1562	1568	rBV4	983	889	0.00%	0.001%
33	6.177	1568	1582	1602	rBV6	20155	51420	0.06%	0.037%
34	6.325	1612	1628	1642	rBV	601007	1201076	1.33%	0.867%

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Integration Parameters: LSCINT.P

Integrator: RTE
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Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052419WMA.M
 Title : VOC Analysis

35	6.408	1644	1654	1674	rVB2	225328	477599	0.53%	0.345%
36	6.540	1693	1695	1699	rVB3	997	586	0.00%	0.000%
37	6.640	1713	1726	1735	rBV7	9536	17301	0.02%	0.012%
38	6.730	1747	1754	1763	rBV7	3646	6658	0.01%	0.005%
39	6.858	1791	1794	1795	rBV2	1016	612	0.00%	0.000%
40	6.900	1795	1807	1817	rVV2	5243	12436	0.01%	0.009%
41	6.952	1820	1823	1827	rVB4	757	576	0.00%	0.000%
42	7.225	1895	1908	1934	rBV	300870	559395	0.62%	0.404%
43	7.366	1949	1952	1958	rVB5	1528	1208	0.00%	0.001%
44	7.408	1962	1965	1966	rBV2	910	609	0.00%	0.000%
45	7.562	1994	2013	2022	rBV	1285664	2260178	2.50%	1.632%
46	7.636	2022	2036	2093	rVV3	45916236	90269052	100.00%	65.161%
47	7.845	2095	2101	2117	rVB	244103	415945	0.46%	0.300%
48	7.984	2140	2144	2145	rBV4	2439	1624	0.00%	0.001%
49	8.038	2157	2161	2163	rBV3	3368	2772	0.00%	0.002%
50	8.164	2196	2200	2201	rBV2	1250	811	0.00%	0.001%
51	8.228	2214	2220	2231	rVB9	3840	6264	0.01%	0.005%
52	8.308	2234	2245	2289	rBV	706980	1372843	1.52%	0.991%
53	8.540	2312	2317	2329	rVB6	10108	15466	0.02%	0.011%
54	8.601	2333	2336	2342	rBV6	2335	2435	0.00%	0.002%
55	8.643	2342	2349	2356	rVB7	4143	6275	0.01%	0.005%
56	8.900	2426	2429	2434	rVV3	833	864	0.00%	0.001%
57	8.993	2453	2458	2461	rBV6	1011	987	0.00%	0.001%
58	9.083	2473	2486	2513	rBV	1296974	2243446	2.49%	1.619%
59	9.244	2524	2536	2561	rBV	2936027	4768740	5.28%	3.442%
60	9.366	2562	2574	2617	rVB	8271923	13578876	15.04%	9.802%
61	9.540	2626	2628	2632	rBV4	1801	1060	0.00%	0.001%
62	9.697	2674	2677	2679	rBV3	947	632	0.00%	0.000%
63	9.775	2684	2701	2735	rBV	2817319	4469148	4.95%	3.226%
64	9.951	2753	2756	2763	rVB6	1461	1467	0.00%	0.001%
65	10.164	2810	2822	2838	rBV	63150	104800	0.12%	0.076%
66	10.273	2853	2856	2860	rBV3	1043	846	0.00%	0.001%
67	10.427	2890	2904	2924	rBV	914695	1454829	1.61%	1.050%
68	10.585	2943	2953	2968	rVV2	73651	123006	0.14%	0.089%
69	10.678	2971	2982	3001	rVV	190296	426657	0.47%	0.308%
70	10.768	3001	3010	3023	rVB	110444	171879	0.19%	0.124%
71	10.913	3045	3055	3064	rVV	93109	148795	0.16%	0.107%

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72	10.967	3064	3072	3090	rVB	109131	170375	0.19%	0.123%
73	11.086	3103	3109	3114	rBV7	3016	4403	0.00%	0.003%
74	11.144	3116	3127	3146	rVV	348435	539161	0.60%	0.389%
75	11.283	3167	3170	3174	rBV4	2725	2924	0.00%	0.002%
76	11.321	3177	3182	3192	rVB2	11740	16968	0.02%	0.012%
77	11.424	3204	3214	3220	rVV3	23359	36962	0.04%	0.027%
78	11.479	3220	3231	3249	rVV	1356606	2174196	2.41%	1.569%
79	11.566	3250	3258	3272	rVB	163575	263936	0.29%	0.191%
80	11.684	3289	3295	3308	rVB5	7799	12923	0.01%	0.009%
81	11.765	3308	3320	3329	rBV3	34719	73144	0.08%	0.053%
82	11.855	3337	3348	3372	rVB	1345443	2233958	2.47%	1.613%
83	12.054	3403	3410	3429	rVB2	14857	26892	0.03%	0.019%
84	12.144	3429	3438	3442	rBV3	21807	31848	0.04%	0.023%
85	12.247	3462	3470	3478	rBV3	23025	36477	0.04%	0.026%
86	12.353	3493	3503	3522	rBV4	22301	49280	0.05%	0.036%
87	12.549	3555	3564	3574	rVB3	15342	23906	0.03%	0.017%
88	12.649	3587	3595	3601	rBV4	9700	14356	0.02%	0.010%
89	12.701	3603	3611	3623	rVB2	19170	32952	0.04%	0.024%
90	12.919	3676	3679	3683	rBV2	897	777	0.00%	0.001%
91	12.964	3687	3693	3701	rBV7	4063	5999	0.01%	0.004%
92	13.064	3720	3724	3729	rBV5	1285	1288	0.00%	0.001%
93	13.122	3731	3742	3758	rVV2	31405	56524	0.06%	0.041%
94	13.289	3780	3794	3809	rBV5	21228	43063	0.05%	0.031%
95	13.781	3933	3947	3948	rBV4	3709	5812	0.01%	0.004%
96	13.996	4009	4014	4017	rBV5	1215	1370	0.00%	0.001%
97	14.286	4100	4104	4107	rBV4	915	706	0.00%	0.001%
98	14.472	4160	4162	4167	rVB2	1322	845	0.00%	0.001%
99	14.919	4297	4301	4303	rBV2	1167	945	0.00%	0.001%
100	15.157	4371	4375	4377	rBV2	1618	1140	0.00%	0.001%

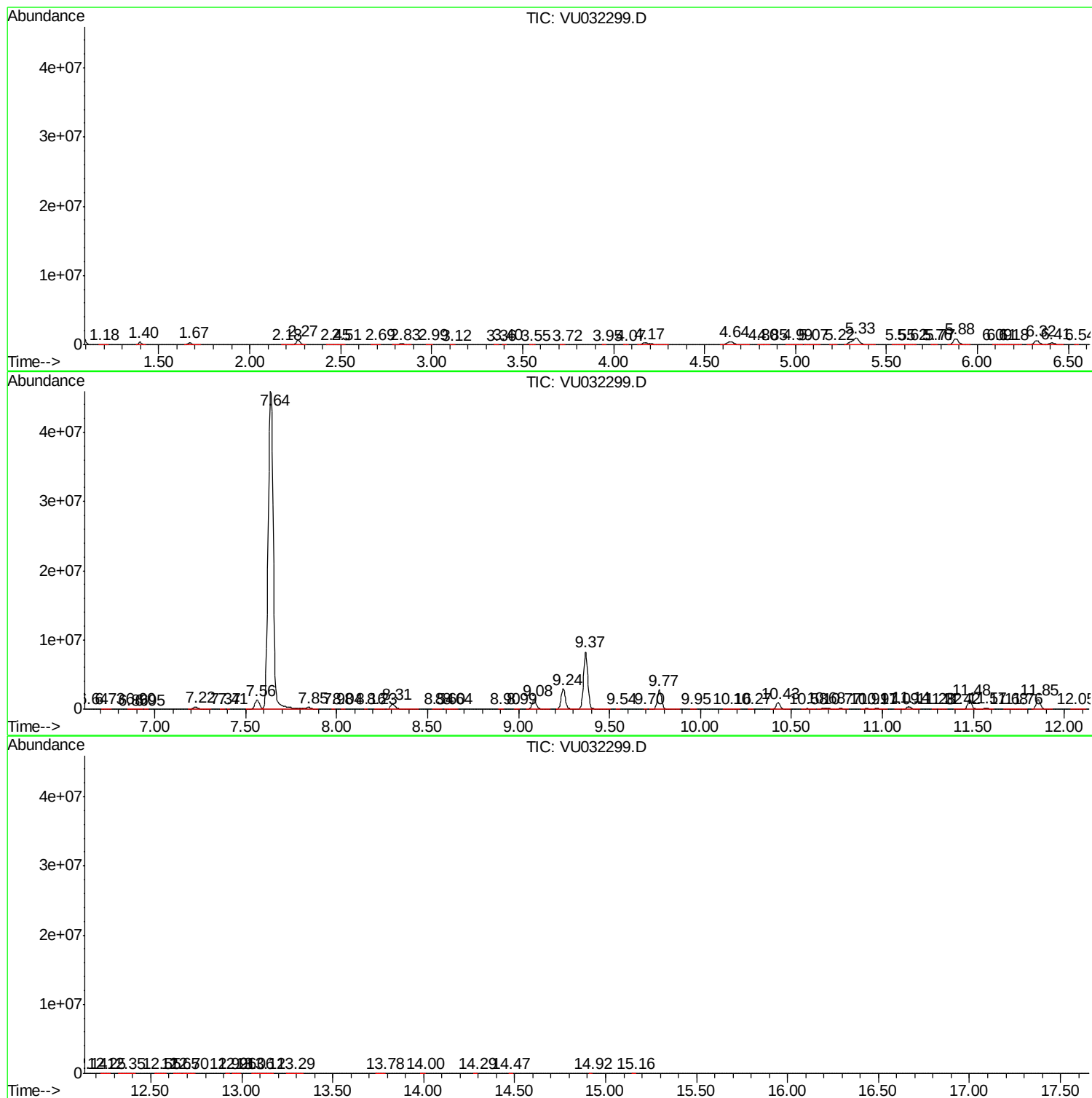
Sum of corrected areas: 138533238

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052419WMA.M
Quant Title : VOC Analysis

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



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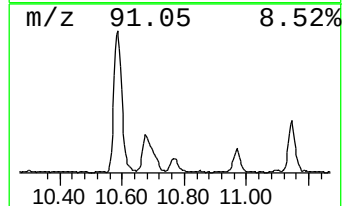
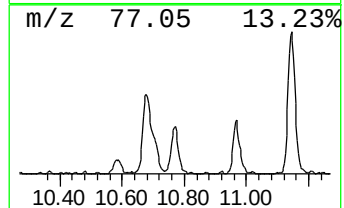
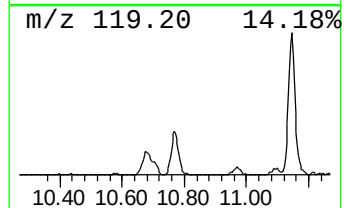
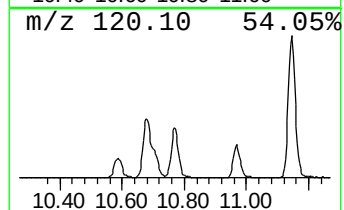
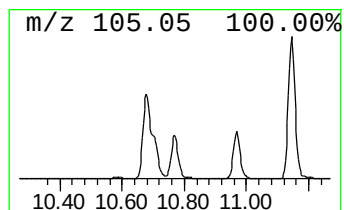
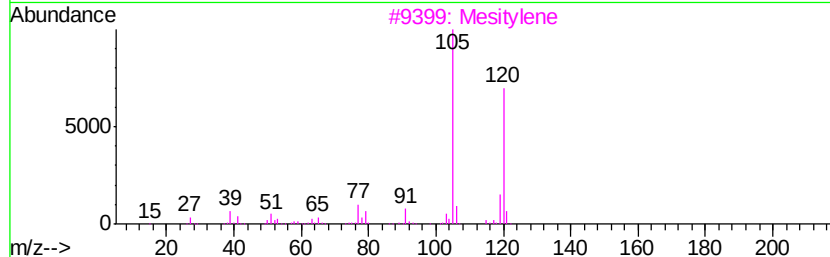
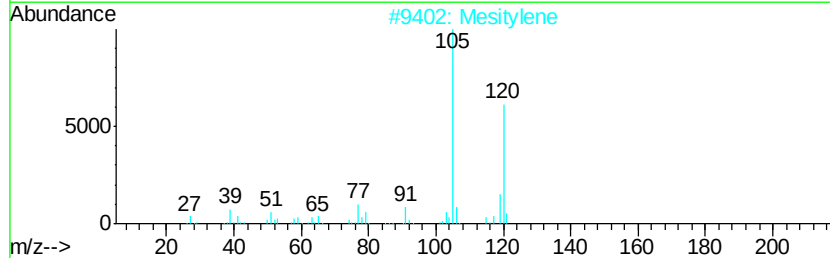
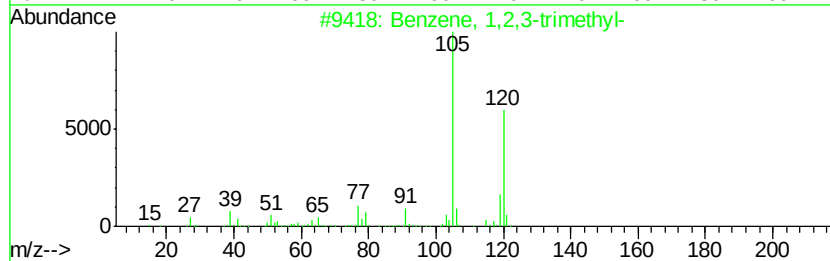
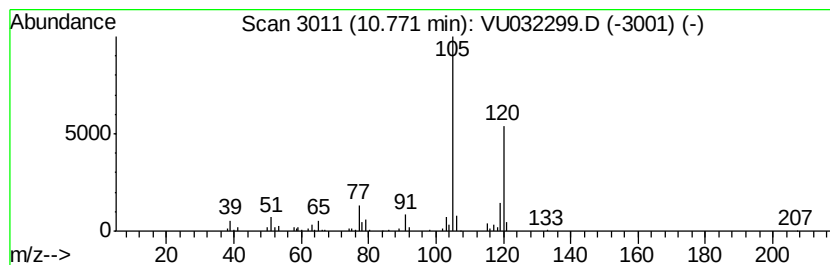
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052419WMA.M
Quant Title : VOC Analysis

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

Peak Number 5 Benzene, 1,2,3-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	3.95 ug/L	171879	1,4-Dichlorobenzene-d4	11.48

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	97
3		Mesitylene	120	C9H12	000108-67-8	97
4		Mesitylene	120	C9H12	000108-67-8	95
5		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95



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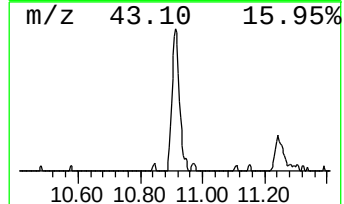
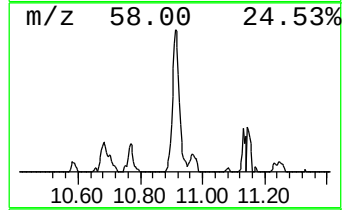
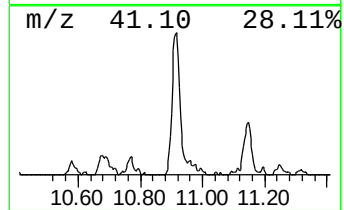
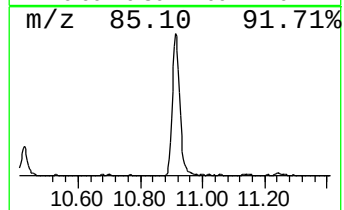
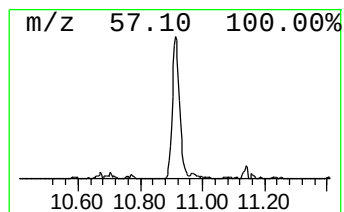
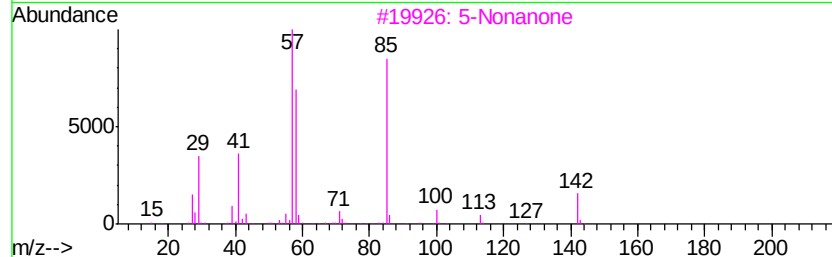
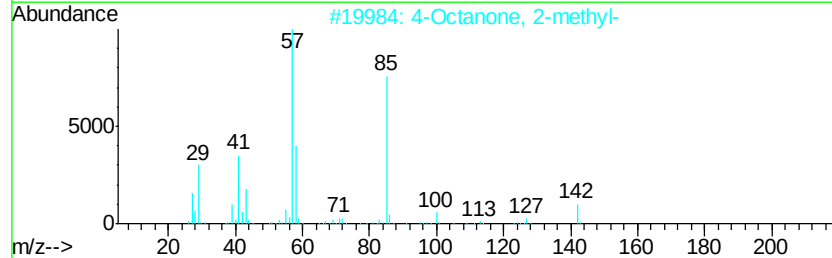
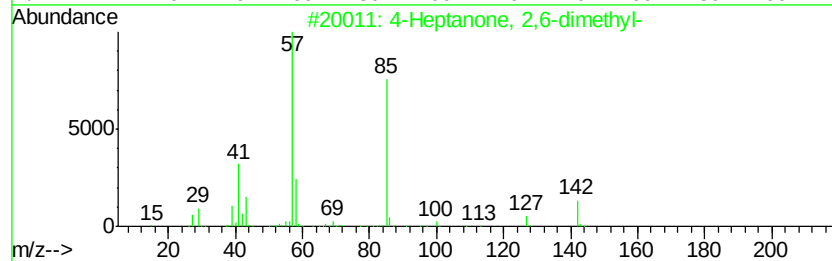
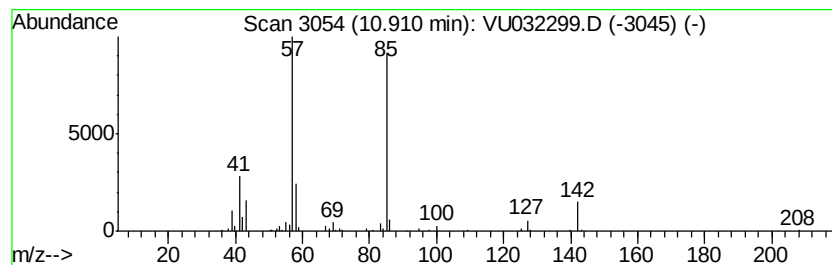
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052419WMA.M
Quant Title : VOC Analysis

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

Peak Number 6 4-Heptanone, 2,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.91	3.42 ug/L	148795	1,4-Dichlorobenzene-d4	11.48	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Heptanone, 2,6-dimethyl-	142	C9H18O	000108-83-8	91
2	4-Octanone, 2-methyl-	142	C9H18O	007492-38-8	72
3	5-Nonanone	142	C9H18O	000502-56-7	59
4	5-Nonanone	142	C9H18O	000502-56-7	59
5	2,4-Hexanedione, 5,5-dimethyl-	142	C8H14O2	007307-04-2	53



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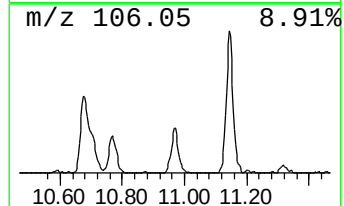
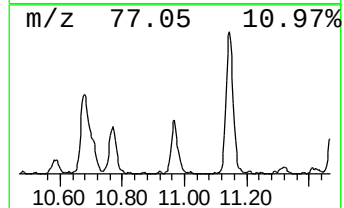
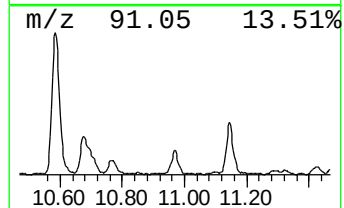
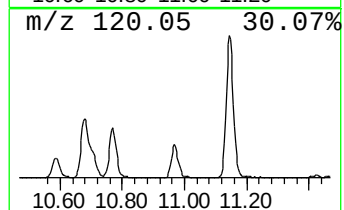
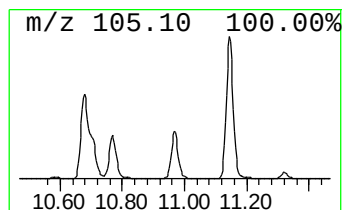
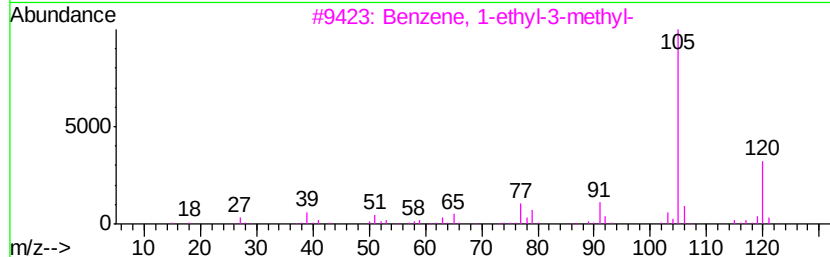
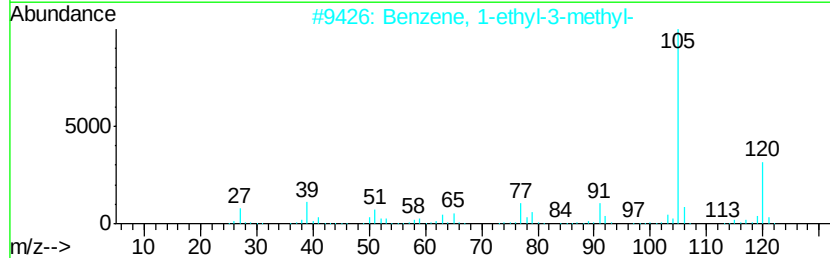
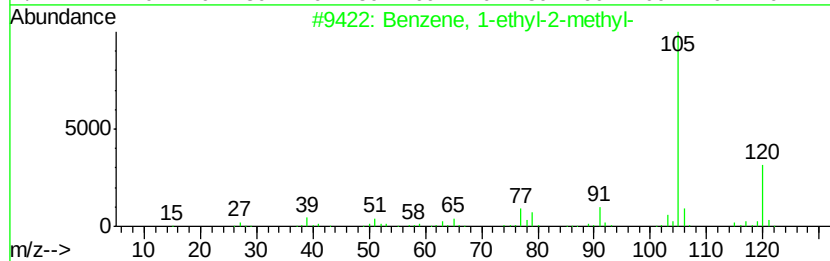
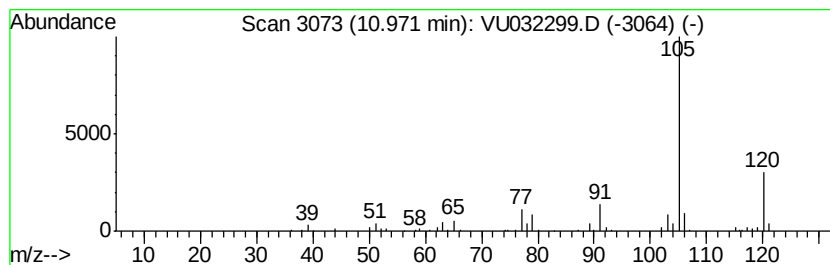
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Quant Title : VOC Analysis

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

Peak Number 7 Benzene, 1-ethyl-3-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.97	3.92 ug/L	170375	1,4-Dichlorobenzene-d4	11.48
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, 1-ethyl-2-methyl-	120 C9H12	000611-14-3 94
2		Benzene, 1-ethyl-3-methyl-	120 C9H12	000620-14-4 91
3		Benzene, 1-ethyl-3-methyl-	120 C9H12	000620-14-4 91
4		Benzene, 1-ethyl-2-methyl-	120 C9H12	000611-14-3 91
5		Benzene, 1-ethyl-4-methyl-	120 C9H12	000622-96-8 91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU052419\
Data File : VU032299.D
Acq On : 24 May 2019 09:27
Operator : JC/SP
Sample : K3001-12 50X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 54 Sample Multiplier: 1

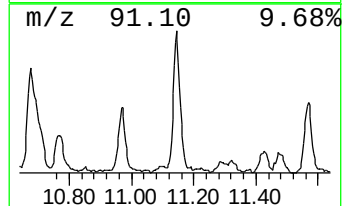
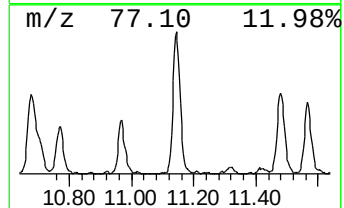
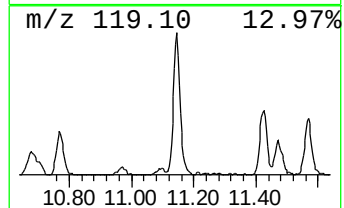
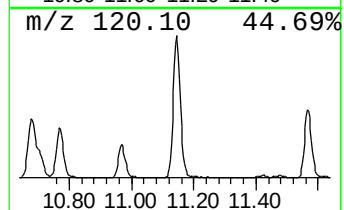
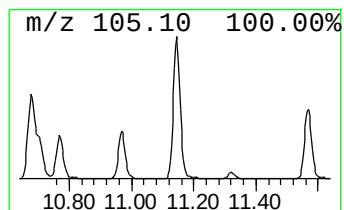
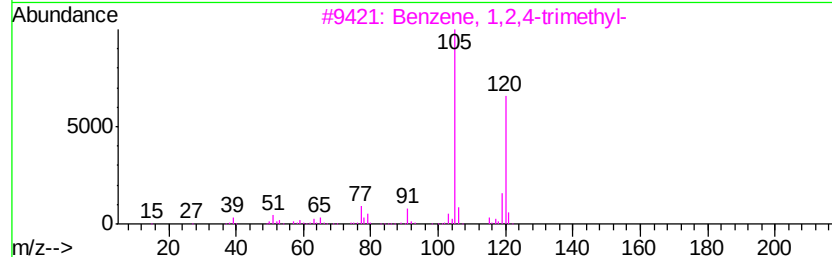
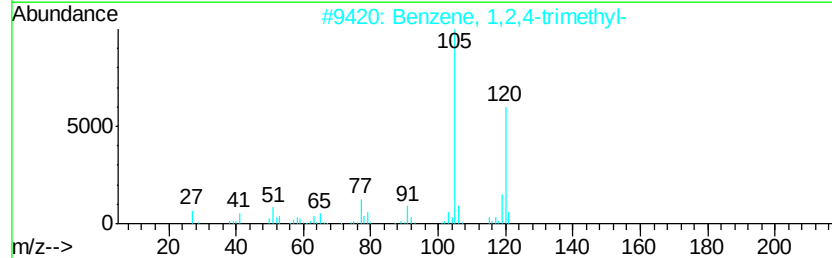
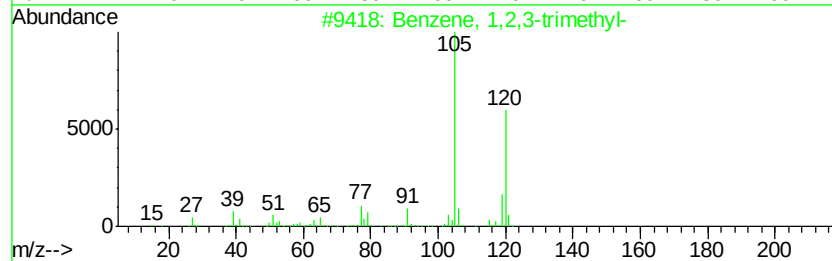
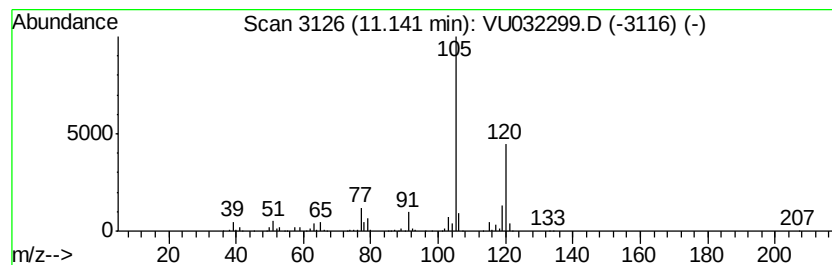
Instrument :
MSVOA_U
ClientSampleId :
E3YF7

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052419WMA.M
Quant Title : VOC Analysis

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

Peak Number 8 Benzene, 1,2,4-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.14	12.40 ug/L	539161	1,4-Dichlorobenzene-d4	11.48
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, 1,2,3-trimethyl-	120 C9H12	000526-73-8 97
2		Benzene, 1,2,4-trimethyl-	120 C9H12	000095-63-6 95
3		Benzene, 1,2,4-trimethyl-	120 C9H12	000095-63-6 95
4		Mesitylene	120 C9H12	000108-67-8 94
5		Benzene, 1,2,3-trimethyl-	120 C9H12	000526-73-8 94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU052419\
Data File : VU032299.D
Acq On : 24 May 2019 09:27
Operator : JC/SP
Sample : K3001-12 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 54 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E3YF7

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052419WMA.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
Benzene, 1,2,3-tr...	10.77	4.0	ug/L	171879	3	11.48	2174200	50.0
4-Heptanone, 2,6-...	10.91	3.4	ug/L	148795	3	11.48	2174200	50.0
Benzene, 1-ethyl-...	10.97	3.9	ug/L	170375	3	11.48	2174200	50.0
Benzene, 1,2,4-tr...	11.14	12.4	ug/L	539161	3	11.48	2174200	50.0