

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032619\
 Data File : VU030464.D
 Acq On : 26 Mar 2019 23:25
 Operator : JC/SP
 Sample : K2063-09 100X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB6R9

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	24	29	36	rBV2	15661	15233	0.28%	0.055%
2	1.399	89	96	105	rBV	292744	291668	5.31%	1.044%
3	1.662	171	178	188	rBV	207119	250989	4.57%	0.899%
4	1.743	197	203	220	rVB	47070	66895	1.22%	0.240%
5	1.939	257	264	272	rVB2	29220	40065	0.73%	0.143%
6	2.042	289	296	306	rVB2	21462	30547	0.56%	0.109%
7	2.180	334	339	348	rVB5	15037	22563	0.41%	0.081%
8	2.267	355	366	380	rBV	427601	654318	11.90%	2.343%
9	2.675	484	493	505	rBV3	22103	45675	0.83%	0.164%
10	2.993	583	592	600	rVB4	8403	17149	0.31%	0.061%
11	3.193	645	654	657	rBV2	3610	5138	0.09%	0.018%
12	3.296	680	686	698	rVB5	7165	13422	0.24%	0.048%
13	3.428	718	727	734	rVB4	4278	6995	0.13%	0.025%
14	3.466	736	739	741	rBV	2053	1461	0.03%	0.005%
15	3.636	789	792	795	rVV	1861	1457	0.03%	0.005%
16	3.720	814	818	821	rBV	3176	3256	0.06%	0.012%
17	3.993	900	903	909	rVB	2084	2129	0.04%	0.008%
18	4.087	917	932	947	rVV2	34109	89181	1.62%	0.319%
19	4.173	947	959	998	rVV	213049	552761	10.06%	1.979%
20	4.537	1069	1072	1075	rBV	2101	1519	0.03%	0.005%
21	4.556	1075	1078	1084	rVB	2094	1997	0.04%	0.007%
22	4.643	1086	1105	1128	rBV	308506	735965	13.39%	2.635%
23	4.990	1196	1213	1228	rBV4	29969	73279	1.33%	0.262%
24	5.334	1297	1320	1328	rBV2	648452	1867555	33.98%	6.687%
25	5.771	1452	1456	1460	rBV2	2633	2447	0.04%	0.009%
26	5.881	1477	1490	1515	rBV	561053	1125214	20.47%	4.029%
27	6.009	1527	1530	1535	rVB2	3056	2170	0.04%	0.008%
28	6.067	1541	1548	1560	rVB	2665	5221	0.09%	0.019%
29	6.222	1593	1596	1602	rBV3	1157	1451	0.03%	0.005%
30	6.324	1614	1628	1646	rBV	434951	880386	16.02%	3.152%
31	6.617	1716	1719	1721	rBV	2135	1438	0.03%	0.005%
32	6.675	1734	1737	1744	rVB	2513	2635	0.05%	0.009%
33	6.714	1744	1749	1753	rVB	1846	1904	0.03%	0.007%
34	6.736	1753	1756	1760	rBV	1929	2155	0.04%	0.008%

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 Title : VOC Analysis

35	6.771	1763	1767	1771	rVB	2438	2172	0.04%	0.008%
36	6.807	1771	1778	1780	rBV	3726	3711	0.07%	0.013%
37	6.919	1809	1813	1819	rBV	3095	3073	0.06%	0.011%
38	7.067	1852	1859	1865	rVB4	5599	8629	0.16%	0.031%
39	7.173	1887	1892	1895	rVB	1547	1419	0.03%	0.005%
40	7.225	1895	1908	1928	rBV2	234171	435894	7.93%	1.561%
41	7.373	1946	1954	1963	rBV5	6902	12700	0.23%	0.045%
42	7.562	1999	2013	2023	rBV	813343	1424415	25.92%	5.100%
43	7.633	2023	2035	2072	rVB	3153227	5496189	100.00%	19.681%
44	7.845	2092	2101	2120	rVB2	162778	275047	5.00%	0.985%
45	8.086	2172	2176	2180	rVB2	1980	1966	0.04%	0.007%
46	8.308	2234	2245	2279	rBV	698450	1241665	22.59%	4.446%
47	8.588	2326	2332	2337	rBV3	4964	5470	0.10%	0.020%
48	8.897	2424	2428	2431	rBV2	2161	1759	0.03%	0.006%
49	9.012	2459	2464	2466	rBV	2068	1936	0.04%	0.007%
50	9.035	2466	2471	2474	rBV3	3076	2375	0.04%	0.009%
51	9.086	2474	2487	2507	rBV	816630	1375659	25.03%	4.926%
52	9.247	2525	2537	2560	rBV	484022	786402	14.31%	2.816%
53	9.369	2562	2575	2596	rBV	1588799	2619033	47.65%	9.378%
54	9.639	2655	2659	2665	rVB2	1987	2403	0.04%	0.009%
55	9.775	2690	2701	2725	rVV	793134	1310496	23.84%	4.693%
56	9.974	2759	2763	2768	rVB	2264	1866	0.03%	0.007%
57	10.003	2769	2772	2779	rVB2	2126	2305	0.04%	0.008%
58	10.077	2791	2795	2799	rBV	1736	1514	0.03%	0.005%
59	10.164	2814	2822	2837	rVB3	20330	32432	0.59%	0.116%
60	10.241	2844	2846	2854	rVB	2202	2393	0.04%	0.009%
61	10.279	2854	2858	2862	rBV2	1743	1545	0.03%	0.006%
62	10.427	2890	2904	2927	rBV	597973	974455	17.73%	3.489%
63	10.585	2944	2953	2967	rVB	50608	81576	1.48%	0.292%
64	10.678	2970	2982	3001	rBV	238325	507789	9.24%	1.818%
65	10.768	3001	3010	3022	rVB	104785	164868	3.00%	0.590%
66	10.967	3061	3072	3087	rVV	97763	161705	2.94%	0.579%
67	11.144	3115	3127	3142	rBV	414439	648128	11.79%	2.321%
68	11.289	3164	3172	3177	rBV5	2823	3752	0.07%	0.013%
69	11.421	3206	3213	3220	rVV3	5404	8399	0.15%	0.030%
70	11.479	3220	3231	3250	rVV	759905	1251972	22.78%	4.483%
71	11.569	3251	3259	3274	rVB	119139	193056	3.51%	0.691%

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72	11.762	3309	3319	3330	rBV	120602	204759	3.73%	0.733%
73	11.855	3338	3348	3368	rVB	760062	1299933	23.65%	4.655%
74	11.980	3378	3387	3399	rVB4	29280	50021	0.91%	0.179%
75	12.057	3399	3411	3418	rBV3	8233	12878	0.23%	0.046%
76	12.144	3427	3438	3443	rBV5	17496	29052	0.53%	0.104%
77	12.250	3462	3471	3478	rBV	26969	43065	0.78%	0.154%
78	12.353	3495	3503	3517	rBV3	23236	39785	0.72%	0.142%
79	12.549	3559	3564	3571	rVB3	5962	7831	0.14%	0.028%
80	12.649	3588	3595	3603	rBV2	14496	19518	0.36%	0.070%
81	12.700	3604	3611	3620	rVB3	21861	32084	0.58%	0.115%
82	12.919	3676	3679	3682	rVB	2840	1741	0.03%	0.006%
83	12.964	3682	3693	3706	rBV4	21256	37116	0.68%	0.133%
84	13.122	3731	3742	3755	rVB4	43053	73402	1.34%	0.263%
85	13.176	3755	3759	3760	rBV2	4275	2556	0.05%	0.009%
86	13.289	3788	3794	3795	rBV4	5693	5786	0.11%	0.021%
87	13.408	3823	3831	3836	rBV3	2745	3752	0.07%	0.013%
88	13.456	3844	3846	3854	rVB2	3833	3732	0.07%	0.013%
89	13.511	3856	3863	3868	rBV4	6273	8961	0.16%	0.032%
90	13.745	3923	3936	3958	rBV	73137	164241	2.99%	0.588%
91	13.916	3986	3989	3991	rBV	2599	1682	0.03%	0.006%
92	13.954	3998	4001	4007	rBV3	1902	2099	0.04%	0.008%
93	14.057	4029	4033	4040	rBV	2665	2914	0.05%	0.010%
94	14.154	4059	4063	4066	rBV3	1808	1909	0.03%	0.007%
95	14.199	4073	4077	4081	rBV	1710	1856	0.03%	0.007%
96	14.276	4098	4101	4105	rBV3	2031	1983	0.04%	0.007%
97	14.549	4180	4186	4190	rBV2	2227	2924	0.05%	0.010%
98	14.678	4222	4226	4229	rVB	2313	1608	0.03%	0.006%
99	15.398	4447	4450	4453	rBV	2271	1855	0.03%	0.007%
100	15.639	4522	4525	4527	rBV	2150	1566	0.03%	0.006%

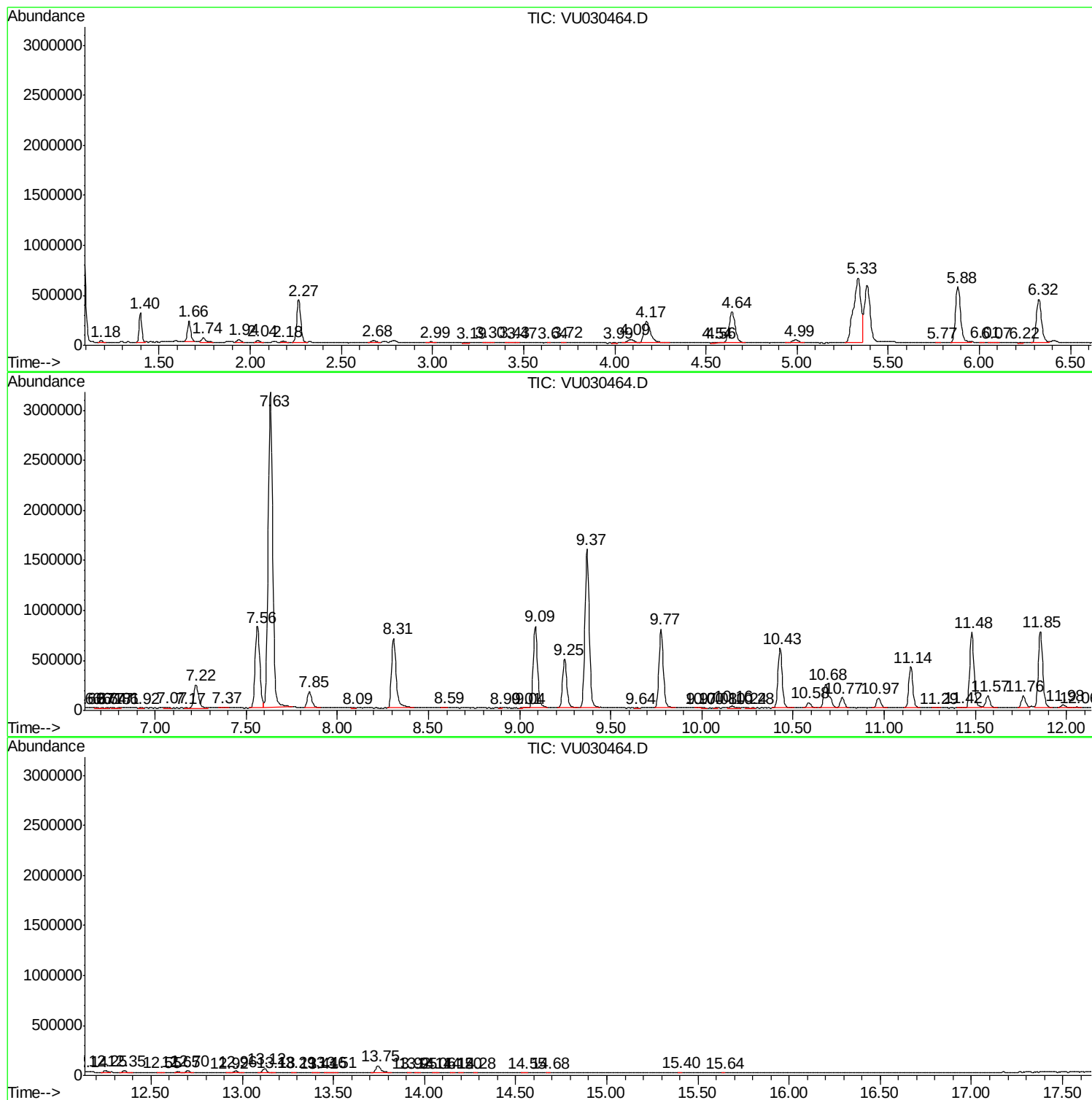
Sum of corrected areas: 27927015

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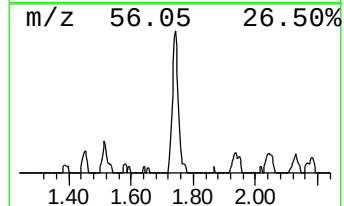
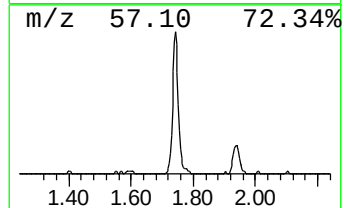
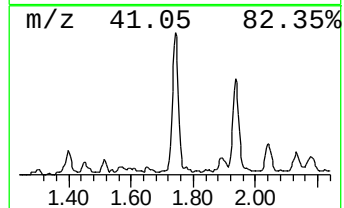
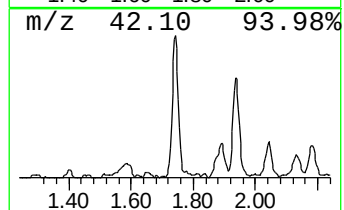
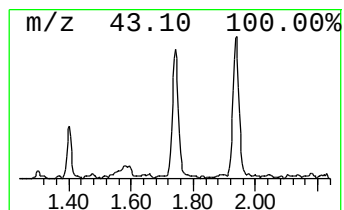
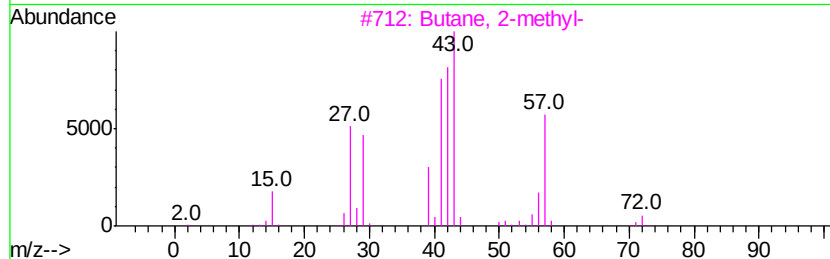
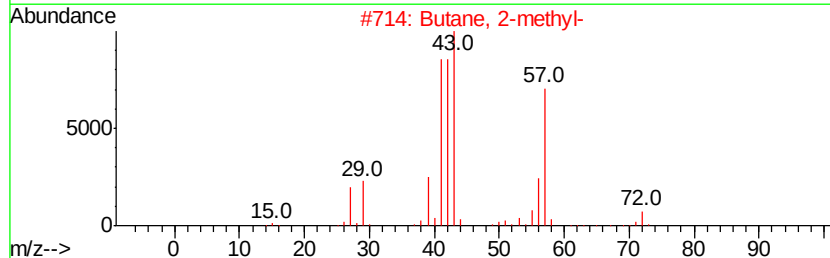
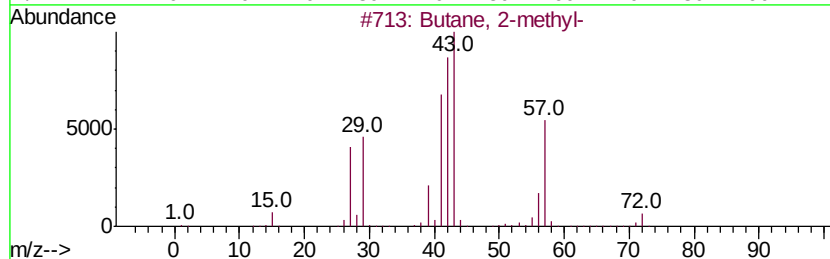
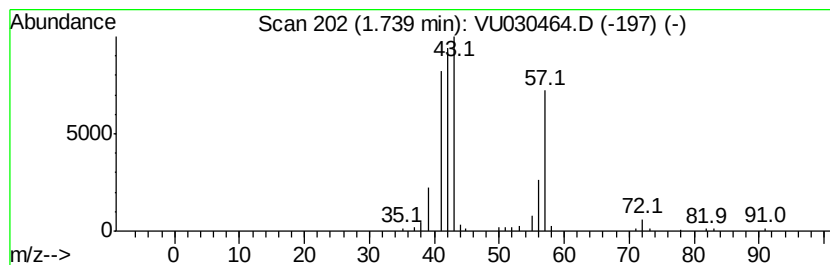
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

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

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.74	2.97 ug/L	66895	1,4-Difluorobenzene	5.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butane, 2-methyl-	72	C5H12	000078-78-4	91
2		Butane, 2-methyl-	72	C5H12	000078-78-4	91
3		Butane, 2-methyl-	72	C5H12	000078-78-4	86
4		Pentane	72	C5H12	000109-66-0	36
5		Isobutylene epoxide	72	C4H8O	000558-30-5	33



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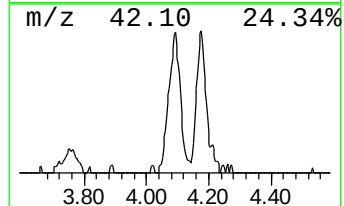
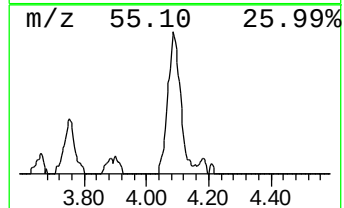
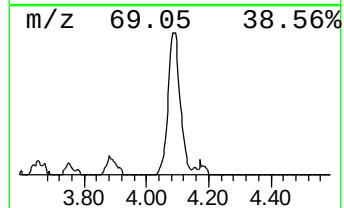
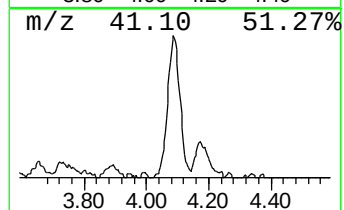
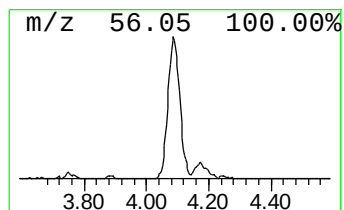
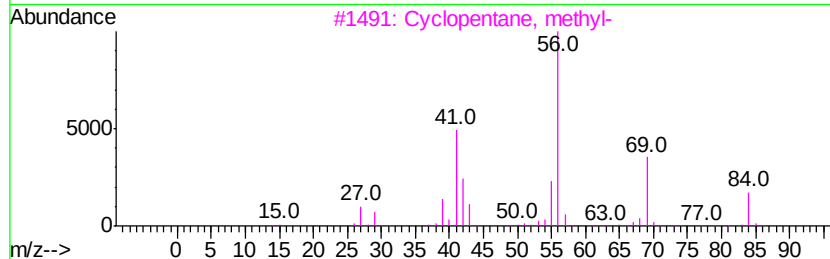
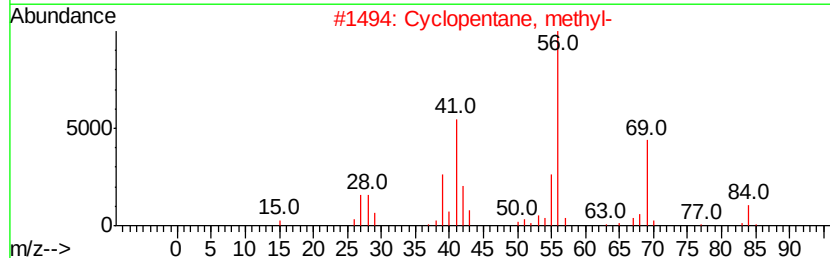
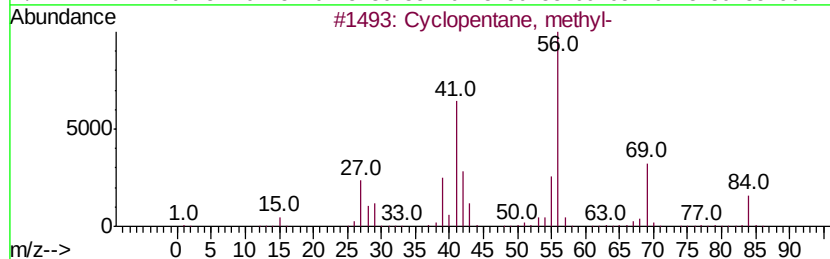
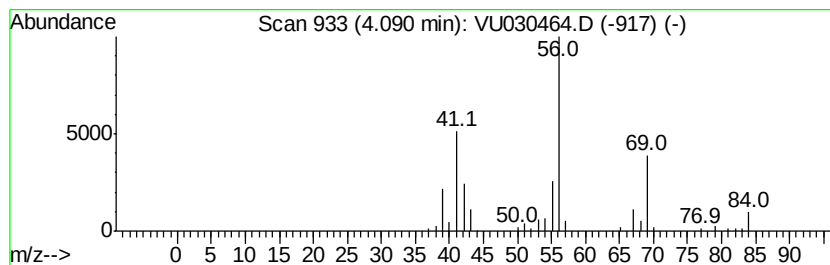
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 (DEL) Alkane: Cyclic4.09 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.09	3.96 ug/L	89181	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	91
3		Cyclopentane, methyl-	84	C6H12	000096-37-7	78
4		Cyclobutane, ethyl-	84	C6H12	004806-61-5	72
5		1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72



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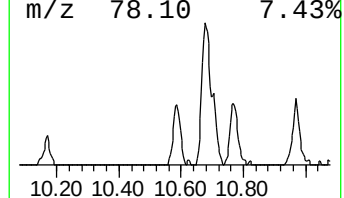
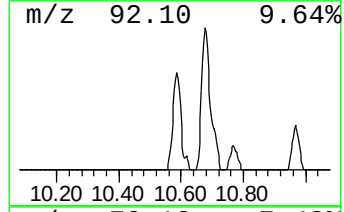
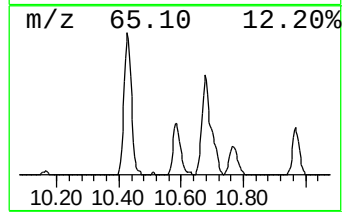
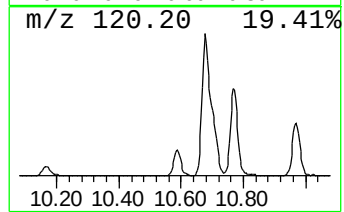
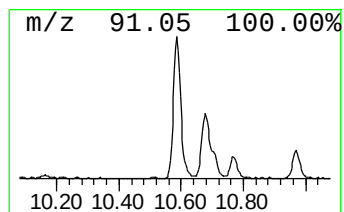
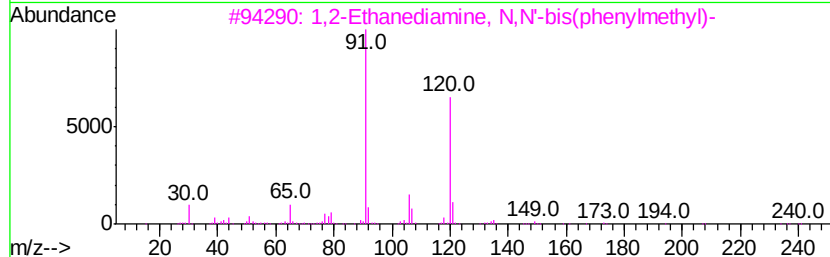
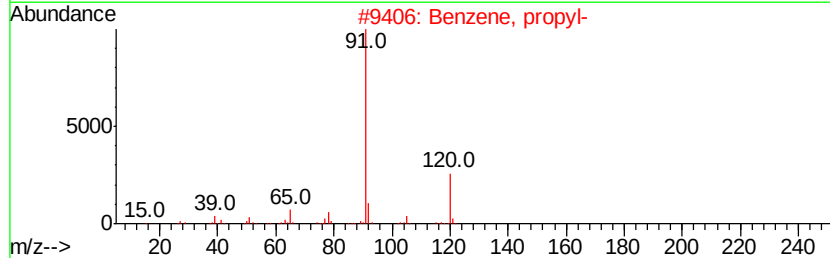
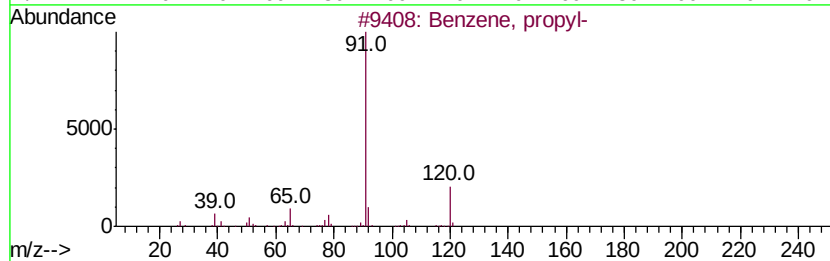
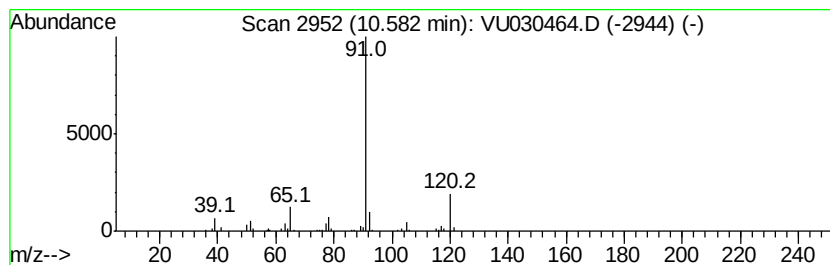
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Peak Number 4 Benzene, propyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.58	3.26 ug/L	81576	1,4-Dichlorobenzene-d4	11.48
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, propyl-	120 C9H12	000103-65-1 87
2		Benzene, propyl-	120 C9H12	000103-65-1 80
3		1,2-Ethanediamine, N,N'-bis(phen...	240 C16H20N2	000140-28-3 72
4		Phenethylamine, N-benzyl-p-chloro-	245 C15H16ClN	013622-43-0 64
5		N-(Benzyloxy)-2,2,2-trifluoroace...	219 C9H8F3NO2	174075-91-3 47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU032619\
Data File : VU030464.D
Acq On : 26 Mar 2019 23:25
Operator : JC/SP
Sample : K2063-09 100X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 38 Sample Multiplier: 1

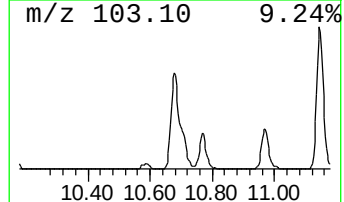
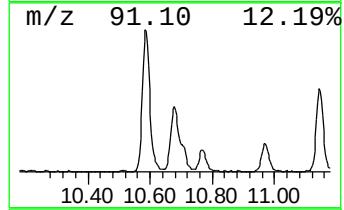
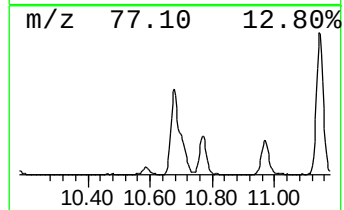
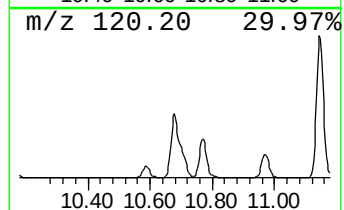
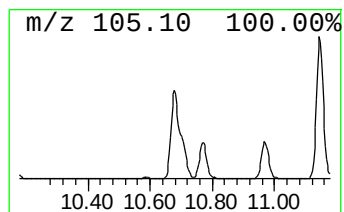
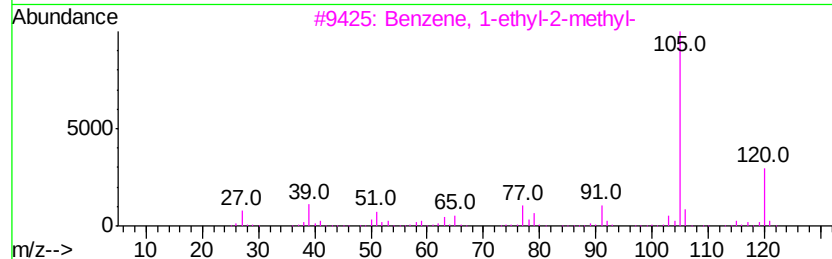
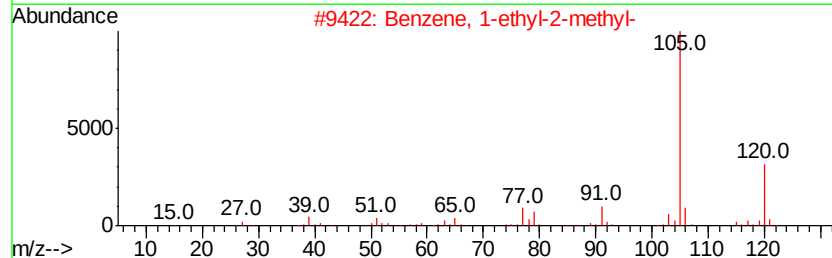
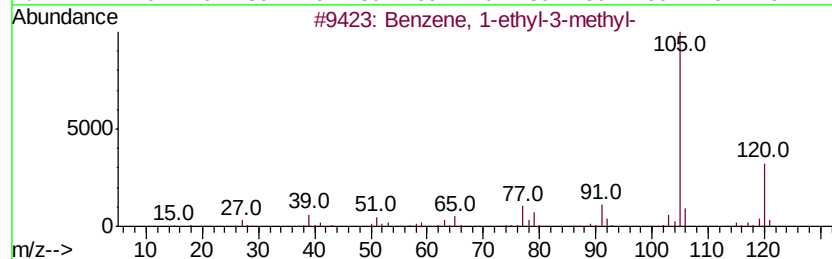
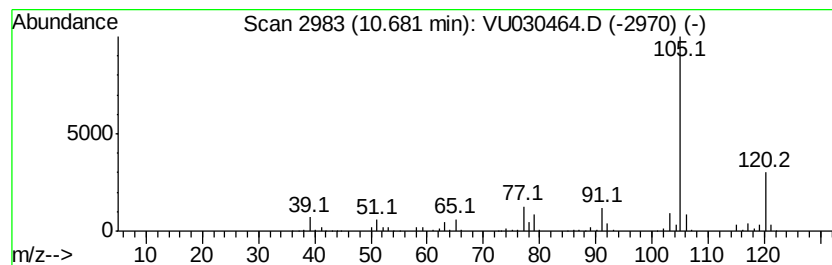
Instrument :
MSVOA_U
ClientSampleId :
DB6R9

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 5 Benzene, 1-ethyl-3-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.68	20.28 ug/L	507789	1,4-Dichlorobenzene-d4	11.48	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	97
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5	Mesitylene	120	C9H12	000108-67-8	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU032619\
Data File : VU030464.D
Acq On : 26 Mar 2019 23:25
Operator : JC/SP
Sample : K2063-09 100X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB6R9

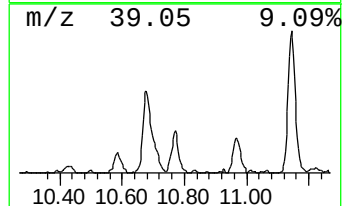
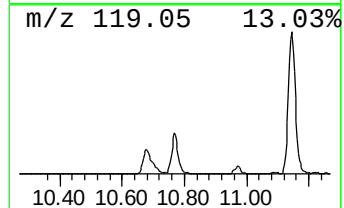
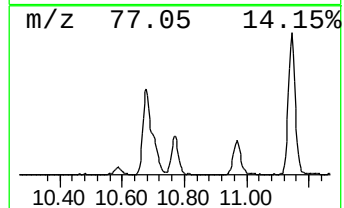
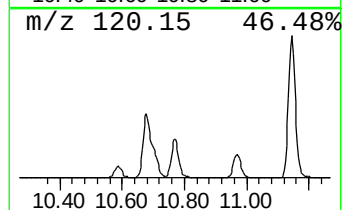
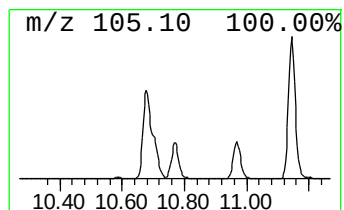
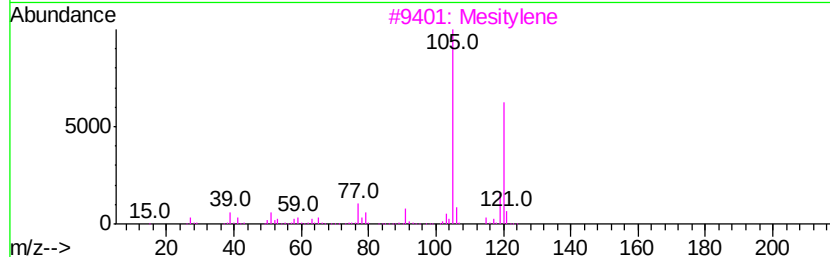
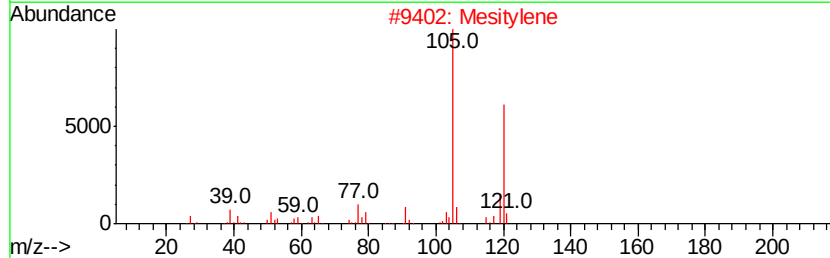
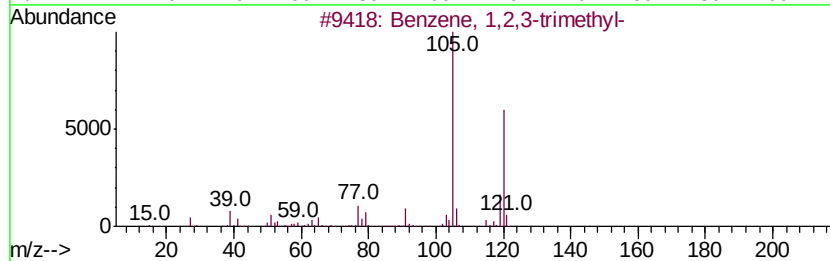
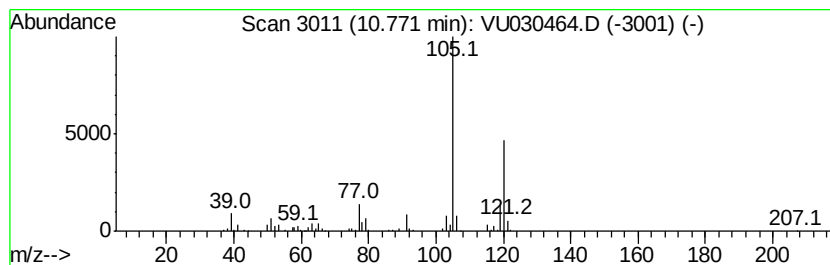
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Quant Title : VOC Analysis

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	6.58 ug/L	164868	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	95
4		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
5		Mesitylene	120	C9H12	000108-67-8	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU032619\
Data File : VU030464.D
Acq On : 26 Mar 2019 23:25
Operator : JC/SP
Sample : K2063-09 100X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 38 Sample Multiplier: 1

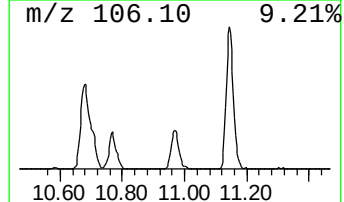
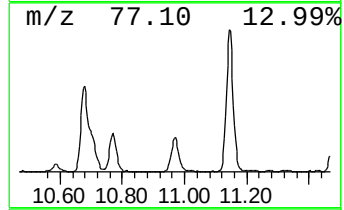
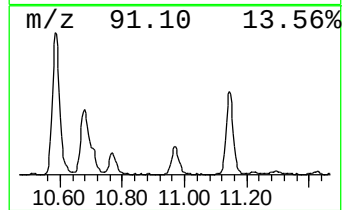
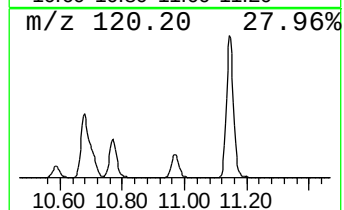
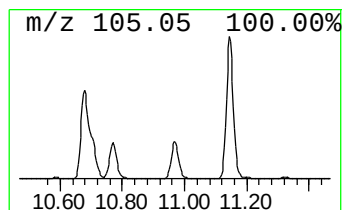
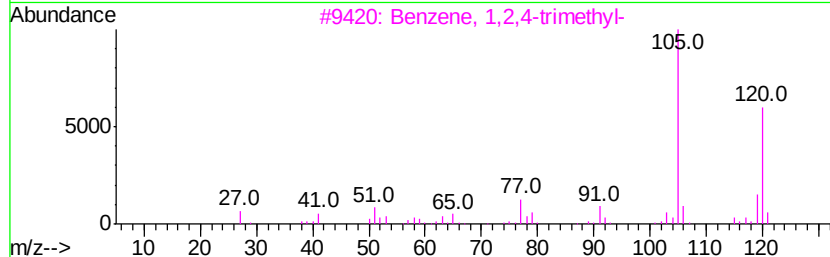
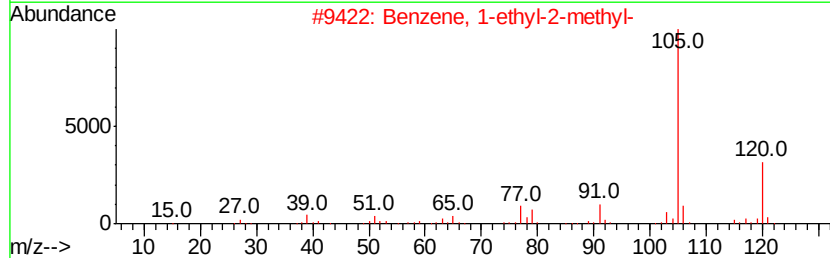
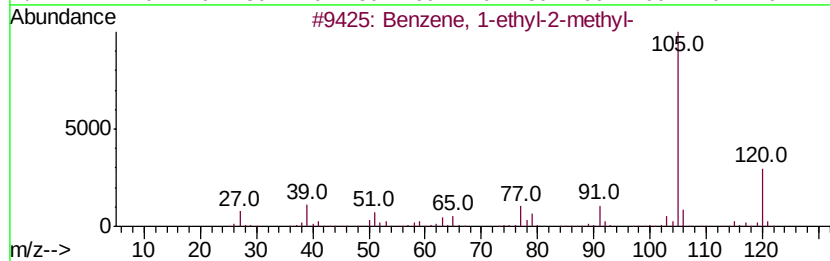
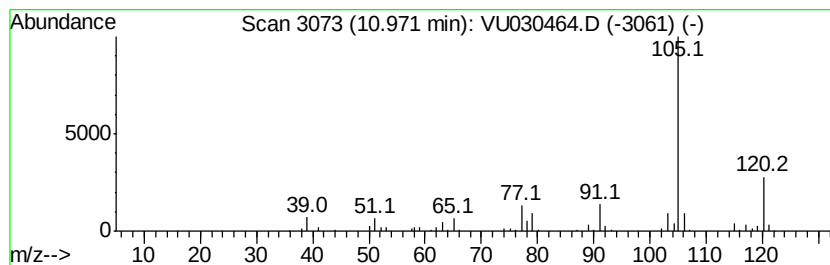
Instrument :
MSVOA_U
ClientSampleId :
DB6R9

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 Benzene, 1-ethyl-2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.97	6.46 ug/L	161705	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	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU032619\
Data File : VU030464.D
Acq On : 26 Mar 2019 23:25
Operator : JC/SP
Sample : K2063-09 100X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB6R9

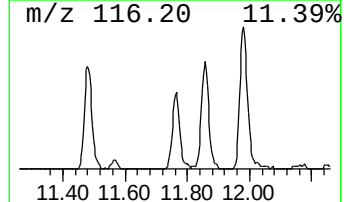
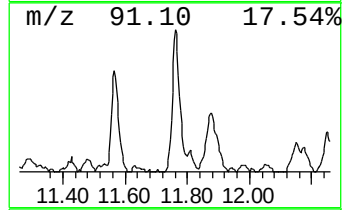
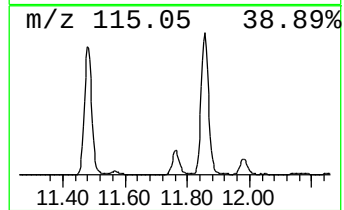
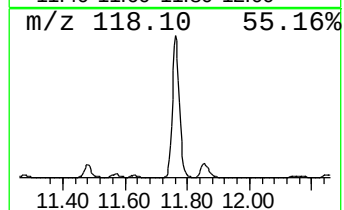
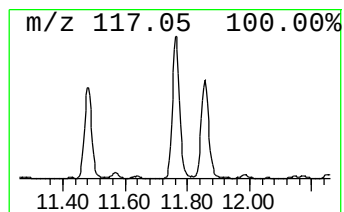
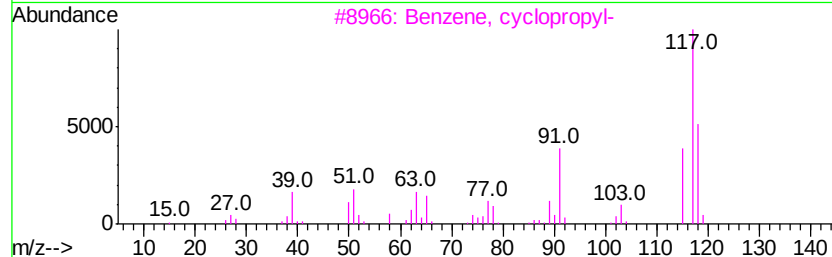
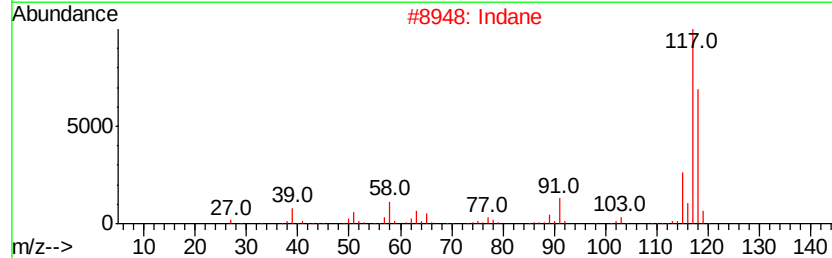
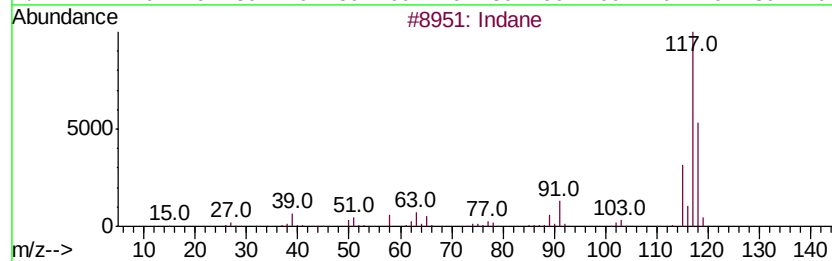
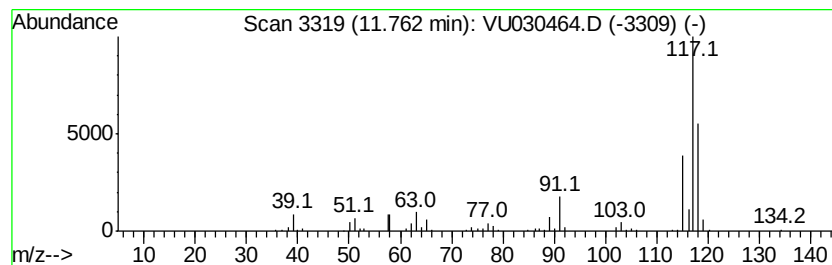
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Quant Title : VOC Analysis

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

Peak Number 10 Indane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	8.18 ug/L	204759	1,4-Dichlorobenzene-d4	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Indane	118	C9H10	000496-11-7	95
2		Indane	118	C9H10	000496-11-7	93
3		Benzene, cyclopropyl-	118	C9H10	000873-49-4	93
4		Indane	118	C9H10	000496-11-7	93
5		Indane	118	C9H10	000496-11-7	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU032619\
Data File : VU030464.D
Acq On : 26 Mar 2019 23:25
Operator : JC/SP
Sample : K2063-09 100X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
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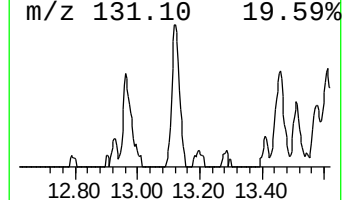
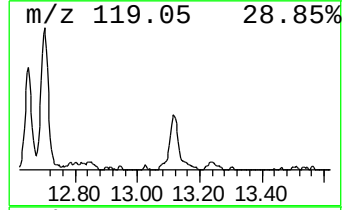
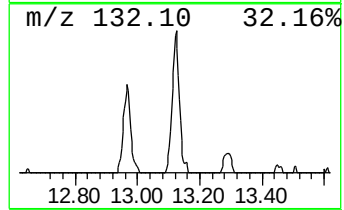
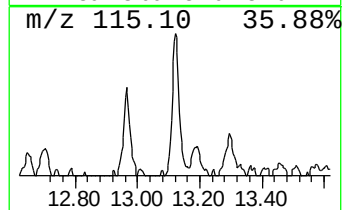
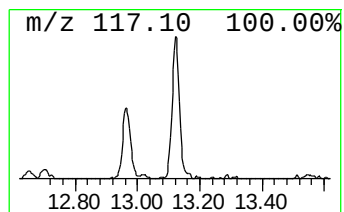
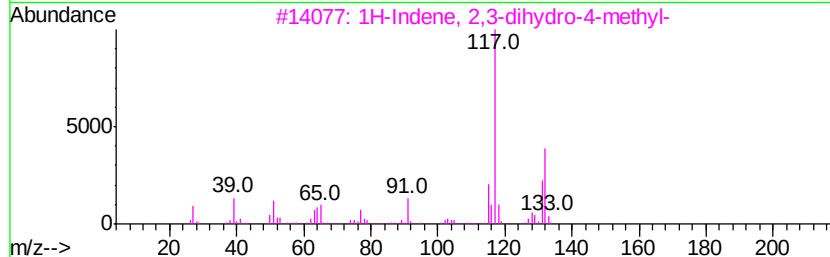
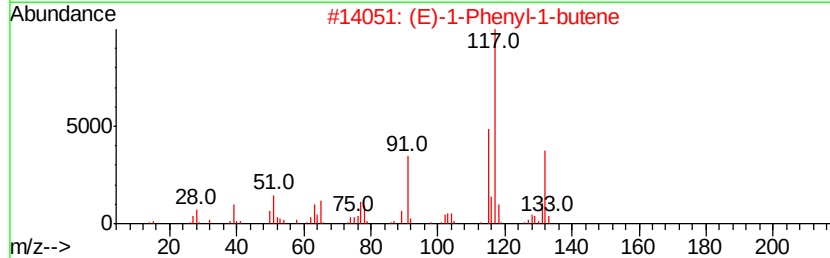
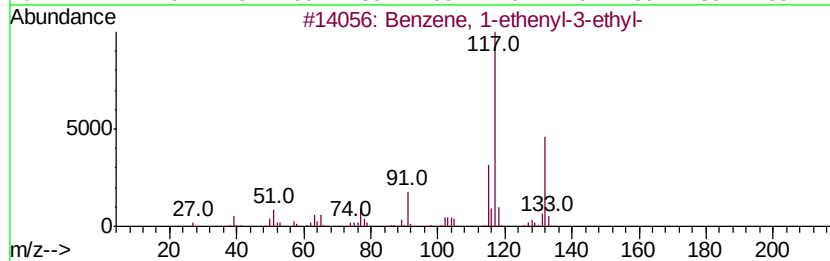
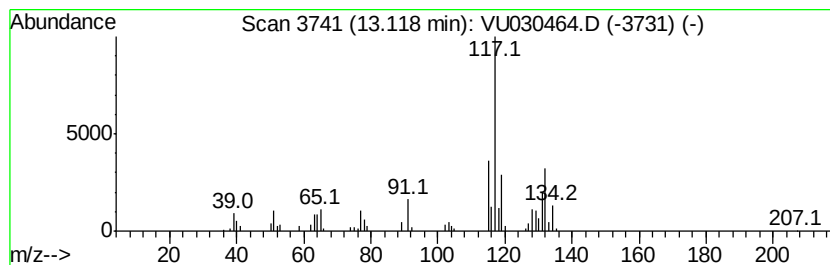
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Quant Title : VOC Analysis

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

Peak Number 11 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	2.93 ug/L	73402	1,4-Dichlorobenzene-d4	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	76
2		(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	76
3		1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	70
4		1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	70
5		Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	70



Data Path : Z:\V0ASRV\HPCHEM1\MSV0A_U\DATA\VU032619\
Data File : VU030464.D
Acq On : 26 Mar 2019 23:25
Operator : JC/SP
Sample : K2063-09 100X
Misc : 5.0mL/MSV0A_U/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSV0A_U
ClientSampleId :
DB6R9

Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_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
(DEL) Alkane: Str...	1.74	3.0	ug/L	66895	1	5.88	1125210	50.0
(DEL) Alkane: Cyc...	4.09	4.0	ug/L	89181	1	5.88	1125210	50.0
Benzene, propyl-	10.58	3.3	ug/L	81576	3	11.48	1251970	50.0
Benzene, 1-ethyl-...	10.68	20.3	ug/L	507789	3	11.48	1251970	50.0
Benzene, 1,2,3-tr...	10.77	6.6	ug/L	164868	3	11.48	1251970	50.0
Benzene, 1-ethyl-...	10.97	6.5	ug/L	161705	3	11.48	1251970	50.0
Indane	11.76	8.2	ug/L	204759	3	11.48	1251970	50.0
Benzene, 1-etheny...	13.12	2.9	ug/L	73402	3	11.48	1251970	50.0