

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090518\
 Data File : VU026555.D
 Acq On : 05 Sep 2018 20:29
 Operator : MD/SY
 Sample : J4694-05
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BEE23

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\SOMULM082918WMA.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	0.641	13	16	20	rVV	202	103	0.02%	0.002%
2	0.751	48	50	52	rBV	125	92	0.02%	0.002%
3	0.780	57	59	62	rVB	155	101	0.02%	0.002%
4	0.915	97	101	105	rBV	167	214	0.04%	0.005%
5	0.976	116	120	122	rBV	217	149	0.03%	0.003%
6	1.024	133	135	137	rBV	136	79	0.01%	0.002%
7	1.085	137	154	170	rBV	146418	172541	32.37%	3.819%
8	1.326	224	229	241	rVB	25727	26346	4.94%	0.583%
9	1.397	244	251	264	rVV	62767	66000	12.38%	1.461%
10	1.677	331	338	352	rVB	55572	71565	13.43%	1.584%
11	2.268	511	522	532	rBV	110964	166197	31.18%	3.678%
12	2.323	533	539	551	rVB	14477	22786	4.27%	0.504%
13	2.413	560	567	573	rBV	663	908	0.17%	0.020%
14	2.551	601	610	624	rBV2	2346	4499	0.84%	0.100%
15	2.606	624	627	629	rBV2	206	104	0.02%	0.002%
16	2.702	651	657	666	rVB3	766	1083	0.20%	0.024%
17	2.825	687	695	696	rBV2	1001	853	0.16%	0.019%
18	2.944	720	732	744	rBV	3561	6850	1.29%	0.152%
19	3.136	788	792	796	rBV	113	89	0.02%	0.002%
20	3.554	918	922	927	rVB2	186	172	0.03%	0.004%
21	3.812	999	1002	1005	rVB	107	74	0.01%	0.002%
22	3.866	1016	1019	1024	rVB	131	103	0.02%	0.002%
23	4.095	1086	1090	1092	rBV2	155	139	0.03%	0.003%
24	4.178	1103	1116	1141	rBV2	51622	133764	25.09%	2.961%
25	4.535	1224	1227	1230	rVB	162	78	0.01%	0.002%
26	4.651	1246	1263	1285	rBV	94911	220365	41.34%	4.877%
27	4.879	1330	1334	1343	rVB3	753	1162	0.22%	0.026%
28	5.095	1396	1401	1403	rBV2	160	158	0.03%	0.003%
29	5.191	1429	1431	1435	rVB	207	79	0.01%	0.002%
30	5.342	1453	1478	1502	rVV2	179435	533051	100.00%	11.798%
31	5.448	1508	1511	1514	rBV	244	115	0.02%	0.003%
32	5.484	1520	1522	1525	rVB	174	114	0.02%	0.003%
33	5.889	1632	1648	1677	rBV	191736	370312	69.47%	8.196%
34	5.992	1677	1680	1685	rVB2	405	371	0.07%	0.008%

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 Title : VOC Analysis

35	6.017	1685	1688	1690	rBV	189	146	0.03%	0.003%
36	6.191	1737	1742	1747	rVB2	453	486	0.09%	0.011%
37	6.332	1772	1786	1807	rBV	127001	250573	47.01%	5.546%
38	6.426	1813	1815	1819	rBV2	125	113	0.02%	0.003%
39	6.455	1821	1824	1827	rVB	210	143	0.03%	0.003%
40	6.496	1834	1837	1842	rBV	104	112	0.02%	0.002%
41	6.712	1900	1904	1909	rBV	125	147	0.03%	0.003%
42	6.783	1922	1926	1928	rBV	416	331	0.06%	0.007%
43	6.847	1943	1946	1948	rBV2	214	147	0.03%	0.003%
44	7.037	2002	2005	2013	rVB2	186	161	0.03%	0.004%
45	7.230	2053	2065	2085	rBV	57566	100632	18.88%	2.227%
46	7.355	2102	2104	2108	rVB2	205	143	0.03%	0.003%
47	7.377	2108	2111	2112	rBV	284	149	0.03%	0.003%
48	7.487	2140	2145	2147	rBV	163	144	0.03%	0.003%
49	7.567	2156	2170	2190	rBV	233942	402091	75.43%	8.899%
50	7.670	2200	2202	2204	rBV	175	92	0.02%	0.002%
51	7.718	2215	2217	2222	rVB	234	138	0.03%	0.003%
52	7.850	2247	2258	2275	rBV	40770	67557	12.67%	1.495%
53	7.924	2279	2281	2285	rVB2	359	181	0.03%	0.004%
54	7.947	2285	2288	2289	rBV	177	82	0.02%	0.002%
55	8.004	2304	2306	2309	rBV2	125	80	0.02%	0.002%
56	8.078	2325	2329	2335	rVB2	203	179	0.03%	0.004%
57	8.181	2351	2361	2367	rVV3	8738	15399	2.89%	0.341%
58	8.230	2368	2376	2387	rVV2	31825	54945	10.31%	1.216%
59	8.313	2391	2402	2431	rVB	172646	296763	55.67%	6.568%
60	8.455	2444	2446	2448	rBV	291	116	0.02%	0.003%
61	8.509	2460	2463	2465	rBV	213	126	0.02%	0.003%
62	8.567	2478	2481	2485	rBV2	229	194	0.04%	0.004%
63	8.612	2492	2495	2500	rBV	260	198	0.04%	0.004%
64	8.783	2545	2548	2555	rVB	156	120	0.02%	0.003%
65	9.091	2632	2644	2665	rBV	272025	442902	83.09%	9.803%
66	9.397	2730	2739	2771	rBV2	20042	42498	7.97%	0.941%
67	10.114	2958	2962	2965	rVB	297	219	0.04%	0.005%
68	10.294	3014	3018	3022	rBV	94	111	0.02%	0.002%
69	10.432	3050	3061	3082	rBV	175743	281329	52.78%	6.227%
70	10.612	3107	3117	3129	rVB2	4545	7843	1.47%	0.174%
71	10.869	3194	3197	3200	rBV	291	235	0.04%	0.005%

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72	11.078	3259	3262	3264	rBV	187	147	0.03%	0.003%
73	11.487	3376	3389	3406	rBV	242957	375210	70.39%	8.304%
74	11.573	3414	3416	3419	rBV	155	81	0.02%	0.002%
75	11.754	3468	3472	3476	rVB2	670	524	0.10%	0.012%
76	11.863	3493	3506	3521	rBV	233733	366611	68.78%	8.114%
77	12.008	3549	3551	3554	rVB	251	95	0.02%	0.002%
78	12.104	3578	3581	3583	rBV	154	104	0.02%	0.002%
79	12.451	3686	3689	3690	rBV2	220	111	0.02%	0.002%
80	12.483	3690	3699	3707	rVB2	1744	2873	0.54%	0.064%
81	12.538	3712	3716	3722	rBV	308	455	0.09%	0.010%
82	12.577	3722	3728	3733	rVB3	533	671	0.13%	0.015%
83	12.654	3749	3752	3754	rBV2	174	136	0.03%	0.003%
84	12.847	3808	3812	3814	rBV	238	208	0.04%	0.005%
85	12.934	3836	3839	3841	rBV	170	83	0.02%	0.002%
86	13.046	3871	3874	3877	rVB2	242	153	0.03%	0.003%
87	13.194	3918	3920	3923	rBV	184	100	0.02%	0.002%
88	13.242	3933	3935	3938	rVB	210	138	0.03%	0.003%
89	13.541	4025	4028	4033	rVB2	353	227	0.04%	0.005%
90	13.663	4064	4066	4071	rVB2	256	205	0.04%	0.005%
91	13.773	4098	4100	4102	rBV2	202	76	0.01%	0.002%
92	13.786	4102	4104	4107	rVB	214	97	0.02%	0.002%
93	13.982	4162	4165	4168	rBV2	258	192	0.04%	0.004%
94	14.001	4168	4171	4173	rVV2	232	135	0.03%	0.003%
95	14.056	4186	4188	4194	rBV3	296	248	0.05%	0.005%
96	14.120	4206	4208	4211	rBV	302	140	0.03%	0.003%
97	14.162	4218	4221	4223	rBV2	272	173	0.03%	0.004%
98	14.281	4252	4258	4266	rVB2	882	1404	0.26%	0.031%
99	14.409	4295	4298	4300	rBV	169	114	0.02%	0.003%
100	14.506	4326	4328	4329	rBV	249	98	0.02%	0.002%

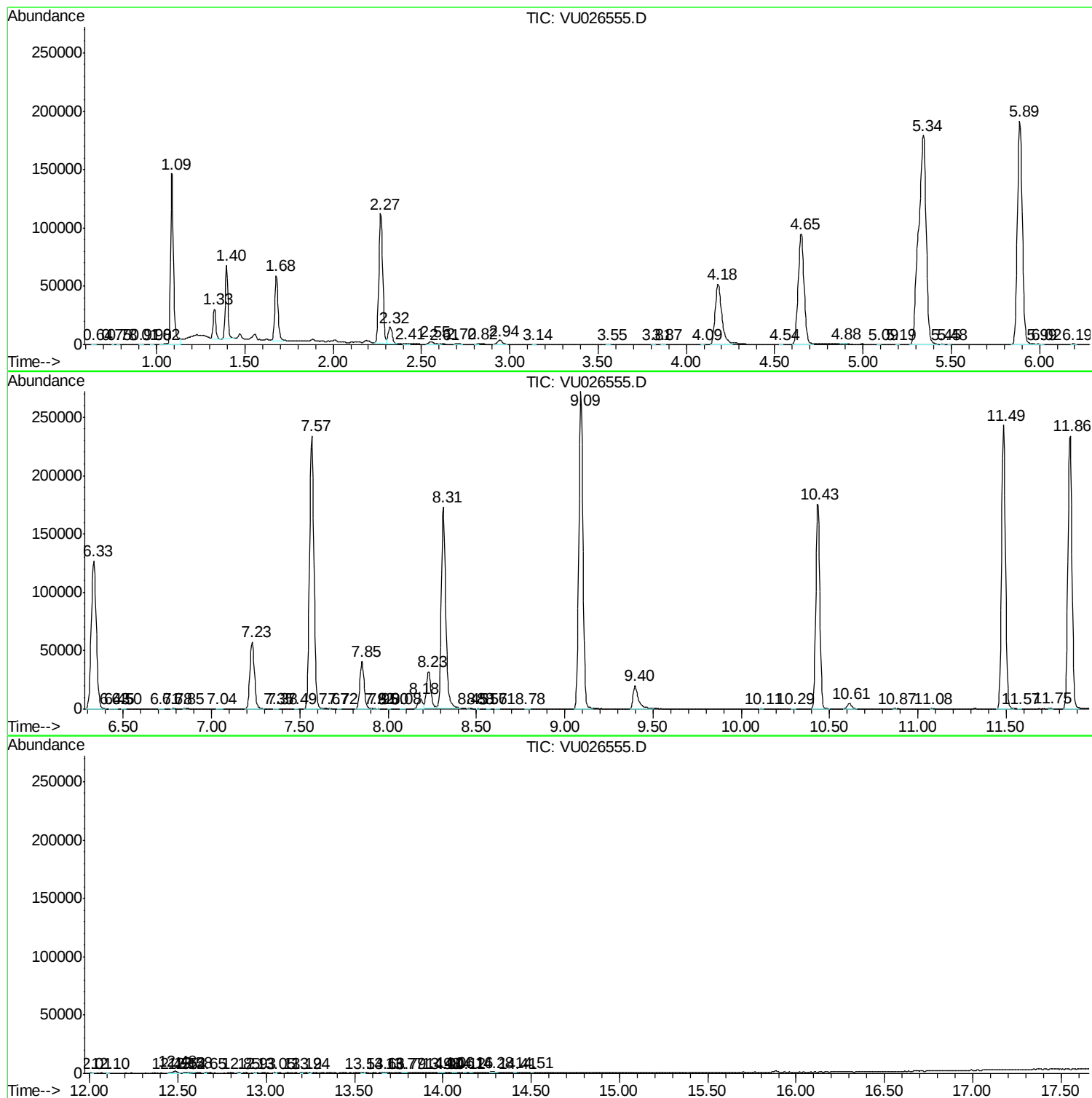
Sum of corrected areas: 4518250

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082918WMA.M
Quant Title : VOC Analysis

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



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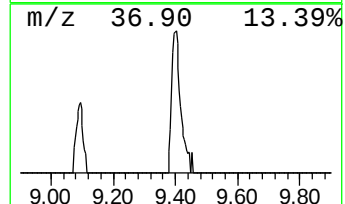
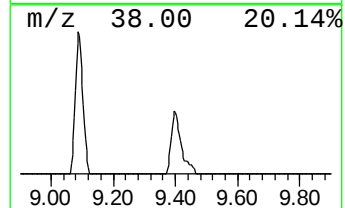
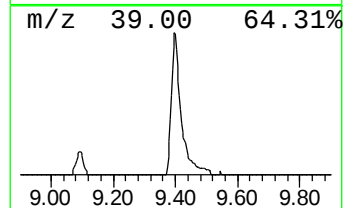
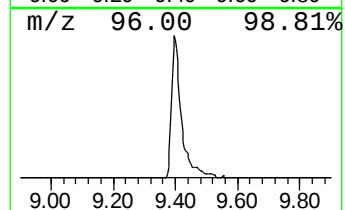
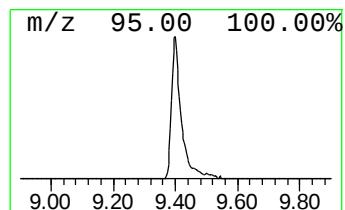
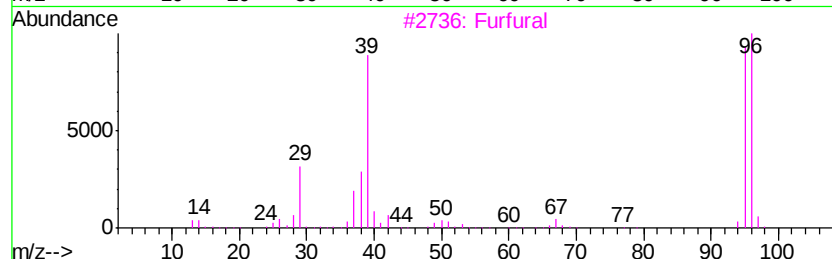
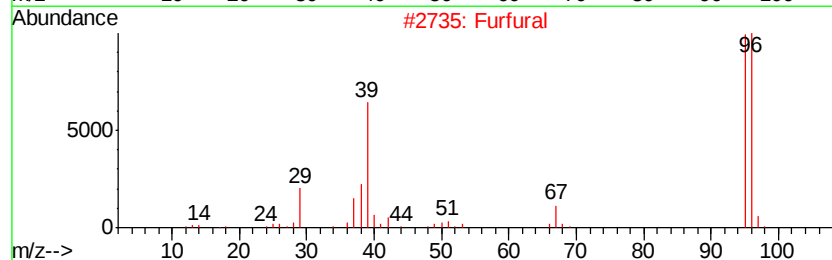
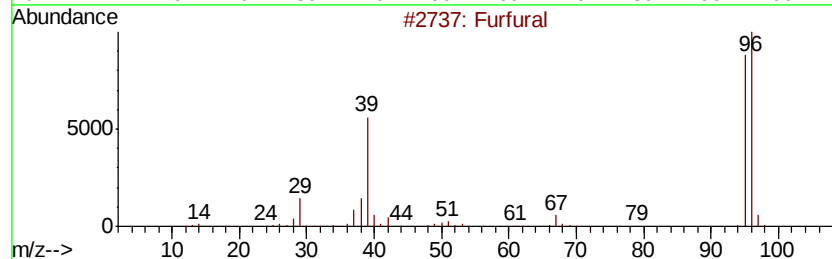
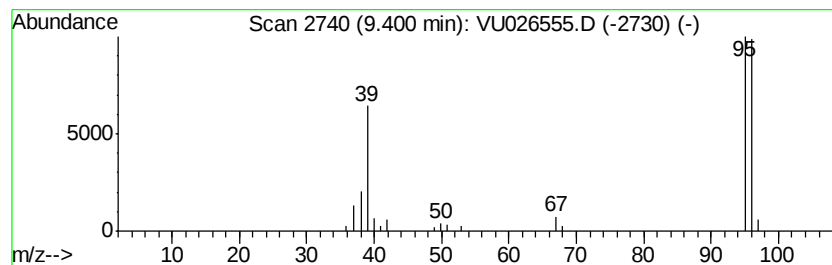
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082918WMA.M
Quant Title : VOC Analysis

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

Peak Number 3 Furfural Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.40	4.80 ug/L	42498	Chlorobenzene-d5	9.09

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furfural		96	C5H4O2	000098-01-1	94
2	Furfural		96	C5H4O2	000098-01-1	91
3	Furfural		96	C5H4O2	000098-01-1	91
4	3-Furaldehyde		96	C5H4O2	000498-60-2	91
5	1H-Imidazole, 1,4-dimethyl-		96	C5H8N2	006338-45-0	86



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TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Furfural	9.40	4.8	ug/L	42498	2	9.09	442902	50.0