LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071718\
Data File : VU025471.D
Acq On : 17 Jul 2018 21:20
Operator : MD/SY
Sample : J4024-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB1P0

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071718WMA.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	0.658	15	21	24	rBV3	594	547	0.05%	0.005%
2	0.703	31	35	40	rBV4	468	439	0.04%	0.004%
3	0.796	60	64	68	rBV4	324	353	0.03%	0.003%
4	0.867	79	86	88	rBV3	367	394	0.04%	0.003%
5	0.931	103	106	108	rBV	489	318	0.03%	0.003%
6	0.979	118	121	128	rBV2	468	390	0.03%	0.003%
7	1.089	147	155	171	rBV	888967	963124	85.65%	8.335%
8	1.185	181	185	193	rVB	24298	22270	1.98%	0.193%
9	1.404	246	253	262	rBV2	138623	144165	12.82%	1.248%
10	1.683	334	340	351	rVB	98964	122078	10.86%	1.056%
11	2.275	515	524	535	rBV	220887	334018	29.70%	2.890%
12	2.622	630	632	636	rVB2	1101	555	0.05%	0.005%
13	2.896	712	717	720	rBV4	727	576	0.05%	0.005%
14	2.989	740	746	747	rBV4	2819	2794	0.25%	0.024%
15	3.214	813	816	817	rBV2	420	257	0.02%	0.002%
16	3.265	827	832	834	rBV2	654	512	0.05%	0.004%
17	3.359	859	861	864	rVB2	558	264	0.02%	0.002%
18	3.423	878	881	883	rBV3	550	419	0.04%	0.004%
19	3.490	896	902	904	rBV3	518	570	0.05%	0.005%
20	3.777	988	991	995	rBV2	587	458	0.04%	0.004%
21	3.876	1020	1022	1027	rVB	633	408	0.04%	0.004%
22	3.924	1034	1037	1038	rBV	462	274	0.02%	0.002%
23	3.979	1051	1054	1055	rBV	463	309	0.03%	0.003%
24	4.040	1069	1073	1075	rBV3	392	293	0.03%	0.003%
25	4.076	1080	1084	1086	rBV2	380	261	0.02%	0.002%
26	4.098	1086	1091	1094	rBV5	645	643	0.06%	0.006%
27	4.178	1102	1116	1149	rBV	100890	291822	25.95%	2.525%
28	4.484	1209	1211	1214	rBV3	413	298	0.03%	0.003%
29	4.654	1246	1264	1288	rBV2	201181	514797	45.78%	4.455%
30	4.838	1319	1321	1324	rVB4	600	308	0.03%	0.003%
31	4.883	1330	1335	1336	rBV	753	645	0.06%	0.006%
32	4.950	1349	1356	1358	rBV4	596	703	0.06%	0.006%
33	4.995	1358	1370	1385	rVB4	10099	23115	2.06%	0.200%
34	5.082	1385	1397	1410	rBV8	4355	10544	0.94%	0.091%

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Instrument : MSVOA_U
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Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
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Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071718WMA.M
Title : VOC Analysis

35	5.137	1410	1414	1423	rVB6	1476	2320	0.21%	0.020%
36	5.223	1428	1441	1454	rBV4	11104	28824	2.56%	0.249%
37	5.346	1459	1479	1509	rVB2	374396	1124456	100.00%	9.731%
38	5.722	1593	1596	1599	rBV2	511	370	0.03%	0.003%
39	5.786	1603	1616	1629	rVV4	14334	30076	2.67%	0.260%
40	5.889	1634	1648	1665	rBV	405025	787652	70.05%	6.816%
41	6.002	1682	1683	1687	rVB2	945	471	0.04%	0.004%
42	6.156	1727	1731	1732	rBV2	459	269	0.02%	0.002%
43	6.191	1732	1742	1753	rVB6	6768	12525	1.11%	0.108%
44	6.239	1753	1757	1759	rBV3	419	346	0.03%	0.003%
45	6.336	1772	1787	1801	rBV	258273	516522	45.94%	4.470%
46	6.513	1839	1842	1846	rBV3	448	316	0.03%	0.003%
47	6.571	1854	1860	1862	rBV4	538	515	0.05%	0.004%
48	6.603	1867	1870	1871	rBV	652	380	0.03%	0.003%
49	6.651	1875	1885	1890	rBV7	2499	4169	0.37%	0.036%
50	6.709	1901	1903	1907	rBV4	450	293	0.03%	0.003%
51	6.735	1907	1911	1912	rBV3	536	466	0.04%	0.004%
52	6.857	1939	1949	1956	rBV8	2243	3736	0.33%	0.032%
53	6.940	1972	1975	1979	rBV3	369	289	0.03%	0.003%
54	6.963	1979	1982	1984	rVB2	543	284	0.03%	0.002%
55	6.979	1984	1987	1994	rBV4	649	636	0.06%	0.006%
56	7.034	2001	2004	2007	rBV2	481	293	0.03%	0.003%
57	7.072	2014	2016	2019	rBV3	436	321	0.03%	0.003%
58	7.137	2034	2036	2039	rVB3	511	252	0.02%	0.002%
59	7.230	2053	2065	2086	rBV	148443	266843	23.73%	2.309%
60	7.420	2121	2124	2125	rBV2	470	256	0.02%	0.002%
61	7.567	2157	2170	2192	rBV	515551	893873	79.49%	7.735%
62	7.854	2246	2259	2275	rBV	108218	182213	16.20%	1.577%
63	8.117	2339	2341	2345	rBV2	510	432	0.04%	0.004%
64	8.313	2391	2402	2431	rVB	323243	550659	48.97%	4.765%
65	8.609	2487	2494	2502	rBV7	2168	3602	0.32%	0.031%
66	8.661	2509	2510	2514	rBV2	647	386	0.03%	0.003%
67	8.712	2522	2526	2530	rBV4	643	627	0.06%	0.005%
68	8.773	2542	2545	2547	rBV3	556	349	0.03%	0.003%
69	8.863	2566	2573	2577	rBV5	925	1202	0.11%	0.010%
70	8.979	2605	2609	2611	rBV3	689	517	0.05%	0.004%
71	9.091	2631	2644	2666	rBV	553200	917891	81.63%	7.943%

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Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071718WMA.M
Title : VOC Analysis

72	9.252	2683	2694	2713	rVB	176121	277615	24.69%	2.402%
73	9.378	2720	2733	2752	rBV	462135	763623	67.91%	6.608%
74	9.783	2848	2859	2870	rBV	83601	133097	11.84%	1.152%
75	9.921	2899	2902	2905	rBV4	589	349	0.03%	0.003%
76	9.956	2909	2913	2917	rBV5	978	857	0.08%	0.007%
77	10.117	2960	2963	2965	rBV	443	280	0.02%	0.002%
78	10.172	2973	2980	2987	rVB2	2894	4341	0.39%	0.038%
79	10.435	3049	3062	3082	rBV	366989	630775	56.10%	5.459%
80	10.612	3108	3117	3126	rBV4	4462	7672	0.68%	0.066%
81	10.751	3158	3160	3163	rVB	805	367	0.03%	0.003%
82	10.853	3186	3192	3195	rBV4	681	800	0.07%	0.007%
83	10.934	3214	3217	3220	rVB2	464	253	0.02%	0.002%
84	10.972	3226	3229	3231	rVB	652	313	0.03%	0.003%
85	11.027	3244	3246	3249	rVB	619	297	0.03%	0.003%
86	11.043	3249	3251	3254	rBV2	422	277	0.02%	0.002%
87	11.220	3302	3306	3308	rBV2	455	357	0.03%	0.003%
88	11.349	3343	3346	3348	rBV2	600	304	0.03%	0.003%
89	11.361	3348	3350	3353	rBV3	394	258	0.02%	0.002%
90	11.487	3376	3389	3404	rBV	550108	871883	77.54%	7.545%
91	11.731	3462	3465	3468	rBV2	645	442	0.04%	0.004%
92	11.863	3493	3506	3523	rBV	545328	862708	76.72%	7.466%
93	12.107	3579	3582	3585	rBV2	600	369	0.03%	0.003%
94	12.149	3592	3595	3598	rBV4	663	506	0.04%	0.004%
95	12.188	3601	3607	3613	rBV5	852	1275	0.11%	0.011%
96	12.316	3644	3647	3650	rBV3	578	484	0.04%	0.004%
97	12.426	3674	3681	3689	rBV6	3130	4026	0.36%	0.035%
98	12.516	3707	3709	3712	rVB2	564	264	0.02%	0.002%
99	12.574	3720	3727	3737	rBV6	3128	4563	0.41%	0.039%
100	15.750	4706	4715	4731	rBV2	132591	213882	19.02%	1.851%

Sum of corrected areas: 11555789

LSC Report - Integrated Chromatogram

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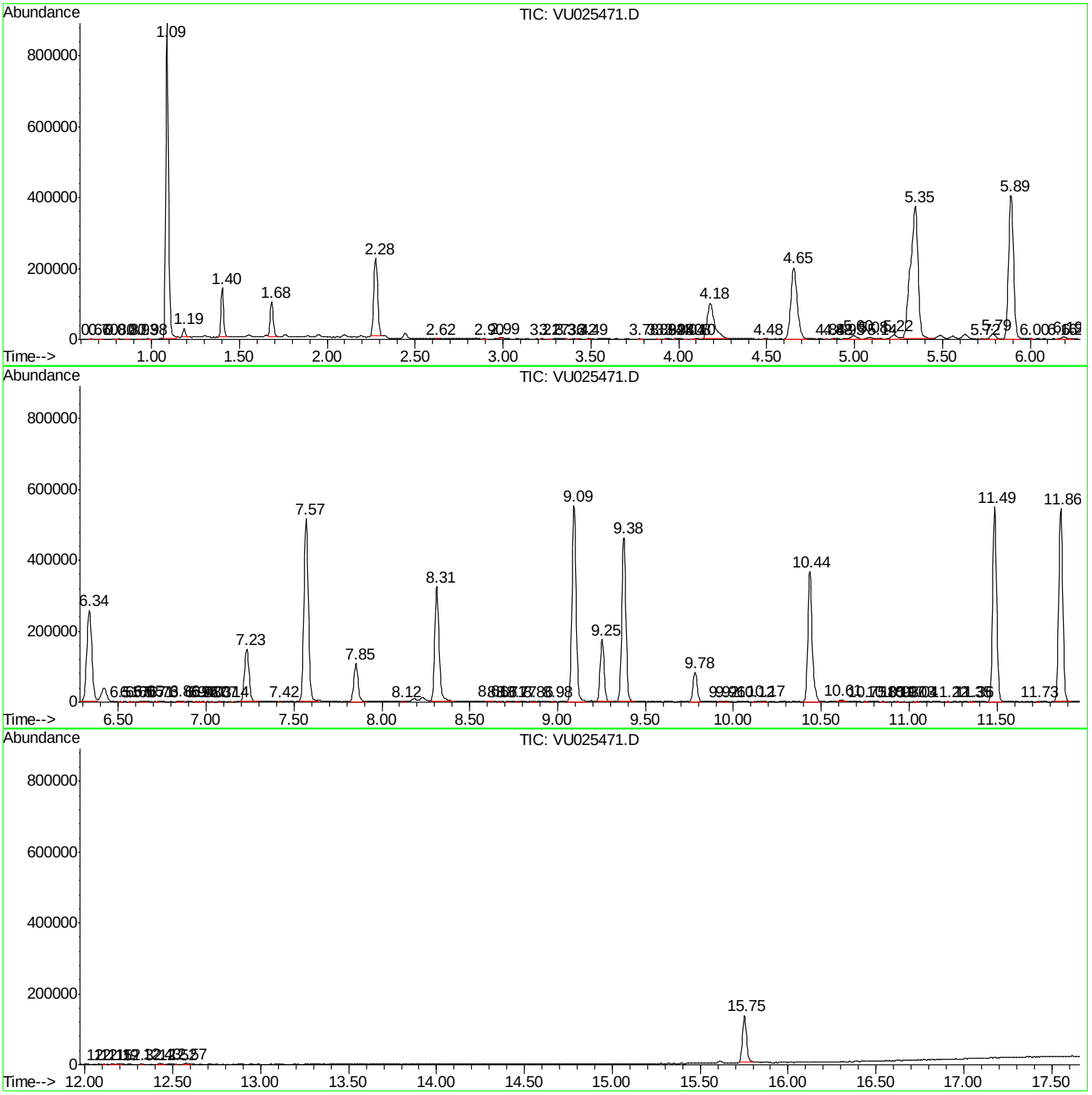
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB1P0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071718WMA.M
Quant Title : VOC Analysis

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071718\
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Sample : J4024-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB1P0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071718WMA.M
Quant Title : VOC Analysis

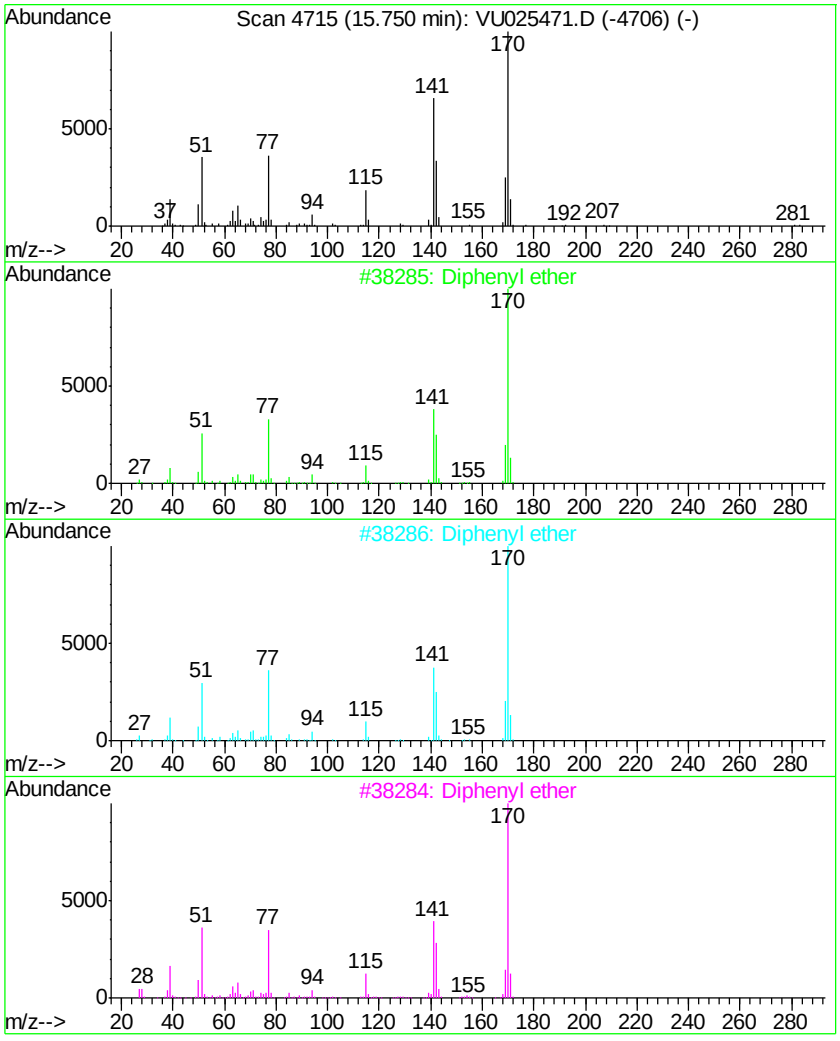
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

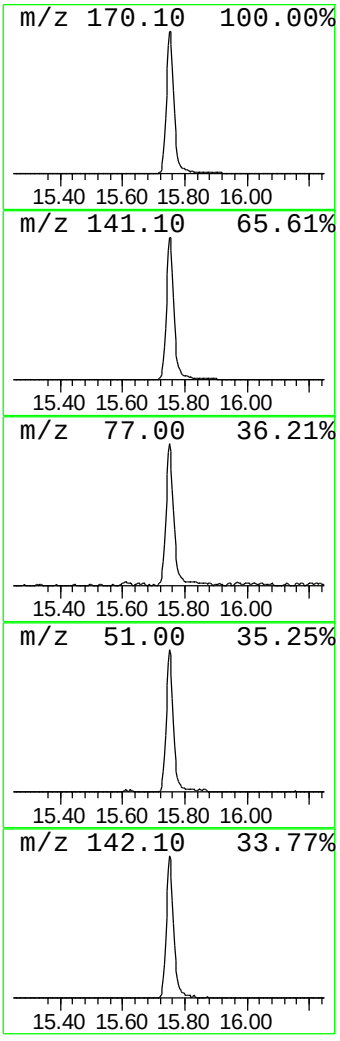
****

Peak Number 3 Diphenyl ether Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.75	12.27 ug/L	213882	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenyl ether	170	C12H10O	000101-84-8	90
2	Diphenyl ether	170	C12H10O	000101-84-8	90
3	Diphenyl ether	170	C12H10O	000101-84-8	87
4	Diphenyl ether	170	C12H10O	000101-84-8	74
5	Spiro[cyclopropane-1,1'(4'H)-nap...	170	C12H10O	033498-24-7	74





Tentatively Identified Compound (LSC) summary

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Quant Title : VOC Analysis

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Diphenyl ether	15.75	12.3	ug/L	213882	3	11.49	871883	50.0