LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102918\
Data File : VU027852.D
Acq On : 29 Oct 2018 13:44
Operator : MD/SY
Sample : J5705-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A40C1

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\SOMULM102218WMA.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	1.398	64	70	80	rBV	51689	51213	13.15%	1.496%
2	1.681	151	158	170	rVB	38706	48116	12.36%	1.406%
3	2.276	332	343	355	rBV	79513	121882	31.30%	3.561%
4	2.443	386	395	404	rBV	4507	7107	1.83%	0.208%
5	2.559	428	431	434	rBV	107	84	0.02%	0.002%
6	2.617	444	449	452	rBV2	224	220	0.06%	0.006%
7	2.836	510	517	522	rBV3	560	841	0.22%	0.025%
8	3.193	625	628	629	rBV	137	97	0.02%	0.003%
9	3.308	660	664	667	rBV	113	93	0.02%	0.003%
10	3.498	718	723	725	rBV	83	84	0.02%	0.002%
11	3.575	740	747	753	rBV	104	149	0.04%	0.004%
12	3.617	757	760	766	rVB	100	83	0.02%	0.002%
13	3.704	783	787	790	rBB	169	160	0.04%	0.005%
14	3.746	791	800	802	rBV	163	313	0.08%	0.009%
15	3.765	803	806	812	rVV	141	144	0.04%	0.004%
16	3.797	812	816	820	rVB	85	93	0.02%	0.003%
17	4.013	880	883	888	rBV	114	87	0.02%	0.003%
18	4.080	900	904	905	rBV	153	132	0.03%	0.004%
19	4.180	922	935	963	rBV2	38762	106670	27.39%	3.117%
20	4.373	993	995	998	rBV2	163	131	0.03%	0.004%
21	4.488	1026	1031	1038	rBV	119	136	0.03%	0.004%
22	4.572	1055	1057	1060	rBB	166	109	0.03%	0.003%
23	4.591	1060	1063	1065	rBV	123	112	0.03%	0.003%
24	4.652	1065	1082	1106	rVV2	62844	154324	39.63%	4.509%
25	4.755	1112	1114	1117	rVB	141	104	0.03%	0.003%
26	4.836	1134	1139	1143	rVV	157	204	0.05%	0.006%
27	4.865	1146	1148	1151	rVB	162	109	0.03%	0.003%
28	4.887	1151	1155	1156	rBV2	246	135	0.03%	0.004%
29	4.913	1160	1163	1167	rBB2	136	84	0.02%	0.002%
30	5.009	1190	1193	1196	rBV	156	158	0.04%	0.005%
31	5.344	1273	1297	1321	rBV2	131444	389401	100.00%	11.377%
32	5.553	1359	1362	1368	rVB	216	237	0.06%	0.007%
33	5.585	1369	1372	1374	rBV	129	114	0.03%	0.003%
34	5.678	1399	1401	1402	rBV	229	93	0.02%	0.003%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102918\
Data File : VU027852.D
Acq On : 29 Oct 2018 13:44
Operator : MD/SY
Sample : J5705-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A40C1

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\SOMULM102218WMA.M
Title : VOC Analysis

35	5.688	1402	1404	1410	rVV	127	133	0.03%	0.004%
36	5.742	1419	1421	1424	rBV	148	128	0.03%	0.004%
37	5.890	1452	1467	1496	rVV2	139025	271023	69.60%	7.919%
38	6.266	1581	1584	1589	rVB	109	83	0.02%	0.002%
39	6.334	1591	1605	1621	rVV	89738	177518	45.59%	5.187%
40	6.408	1625	1628	1632	rVB2	232	172	0.04%	0.005%
41	6.604	1687	1689	1691	rBV	134	96	0.02%	0.003%
42	6.864	1763	1770	1777	rBV2	891	1578	0.41%	0.046%
43	6.932	1788	1791	1796	rBV	184	211	0.05%	0.006%
44	6.990	1806	1809	1813	rBV	187	203	0.05%	0.006%
45	7.083	1834	1838	1840	rBB	131	115	0.03%	0.003%
46	7.231	1872	1884	1902	rBV	51211	91029	23.38%	2.660%
47	7.372	1926	1928	1930	rBV	149	92	0.02%	0.003%
48	7.392	1931	1934	1940	rVB3	369	320	0.08%	0.009%
49	7.459	1953	1955	1957	rBV	135	93	0.02%	0.003%
50	7.488	1960	1964	1967	rVV	167	132	0.03%	0.004%
51	7.565	1976	1988	2010	rBV	177818	305109	78.35%	8.915%
52	7.681	2021	2024	2029	rVB2	163	179	0.05%	0.005%
53	7.852	2066	2077	2093	rBV	36221	60102	15.43%	1.756%
54	8.019	2125	2129	2134	rBV2	219	280	0.07%	0.008%
55	8.086	2148	2150	2154	rVB	182	118	0.03%	0.003%
56	8.118	2155	2160	2164	rBV	191	268	0.07%	0.008%
57	8.183	2165	2180	2190	rBV	31096	66759	17.14%	1.951%
58	8.311	2211	2220	2256	rVB	130733	232313	59.66%	6.788%
59	8.479	2270	2272	2278	rVB2	294	148	0.04%	0.004%
60	8.633	2317	2320	2321	rBV	156	88	0.02%	0.003%
61	8.726	2345	2349	2351	rBV	280	245	0.06%	0.007%
62	8.765	2357	2361	2363	rBV	325	282	0.07%	0.008%
63	8.893	2397	2401	2403	rBV2	285	224	0.06%	0.007%
64	9.089	2451	2462	2480	rBV	200374	327000	83.98%	9.554%
65	10.073	2765	2768	2772	rVB2	347	282	0.07%	0.008%
66	10.102	2773	2777	2783	rBB2	227	199	0.05%	0.006%
67	10.231	2814	2817	2824	rVB	125	118	0.03%	0.003%
68	10.433	2868	2880	2901	rVB	113567	179068	45.99%	5.232%
69	10.617	2923	2937	2953	rBV3	13763	26234	6.74%	0.766%
70	10.691	2957	2960	2965	rVB	171	129	0.03%	0.004%
71	10.877	3012	3018	3026	rBV3	780	1052	0.27%	0.031%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102918\
Data File : VU027852.D
Acq On : 29 Oct 2018 13:44
Operator : MD/SY
Sample : J5705-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A40C1

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\SOMULM102218WMA.M
Title : VOC Analysis

72	11.485	3195	3207	3227	rBV	191266	299852	77.00%	8.761%
73	11.758	3285	3292	3299	rVB4	462	695	0.18%	0.020%
74	11.861	3310	3324	3346	rBV	161503	259471	66.63%	7.581%
75	11.986	3360	3363	3366	rBV2	251	179	0.05%	0.005%
76	12.060	3383	3386	3389	rBV	135	96	0.02%	0.003%
77	12.083	3390	3393	3397	rBV2	175	142	0.04%	0.004%
78	12.295	3405	3459	3460	rBV9	29718	129839	33.34%	3.794%
79	12.556	3537	3540	3542	rBV2	208	146	0.04%	0.004%
80	12.578	3544	3547	3551	rVV2	322	230	0.06%	0.007%
81	12.610	3555	3557	3559	rBV2	291	143	0.04%	0.004%
82	12.636	3562	3565	3567	rBV	146	93	0.02%	0.003%
83	12.765	3602	3605	3608	rVB	220	105	0.03%	0.003%
84	12.983	3670	3673	3676	rBV	138	90	0.02%	0.003%
85	13.144	3717	3723	3726	rBV3	653	625	0.16%	0.018%
86	13.170	3726	3731	3735	rBV2	436	553	0.14%	0.016%
87	13.427	3808	3811	3814	rVB	277	192	0.05%	0.006%
88	13.449	3814	3818	3821	rBV	194	196	0.05%	0.006%
89	13.488	3828	3830	3834	rVB	279	148	0.04%	0.004%
90	13.539	3843	3846	3853	rBV	198	214	0.05%	0.006%
91	13.835	3935	3938	3943	rVB	312	227	0.06%	0.007%
92	14.092	4016	4018	4023	rVV	174	93	0.02%	0.003%
93	14.115	4023	4025	4028	rVB	191	84	0.02%	0.002%
94	14.231	4040	4061	4065	rBV6	2838	7619	1.96%	0.223%
95	14.279	4070	4076	4089	rVB	10688	17418	4.47%	0.509%
96	14.347	4095	4097	4098	rBV	204	102	0.03%	0.003%
97	14.591	4145	4173	4176	rBV4	19631	49655	12.75%	1.451%
98	15.668	4504	4508	4509	rBV4	1092	821	0.21%	0.024%
99	15.883	4567	4575	4585	rVB2	4876	7100	1.82%	0.207%
100	16.555	4777	4784	4792	rVB2	14502	20318	5.22%	0.594%

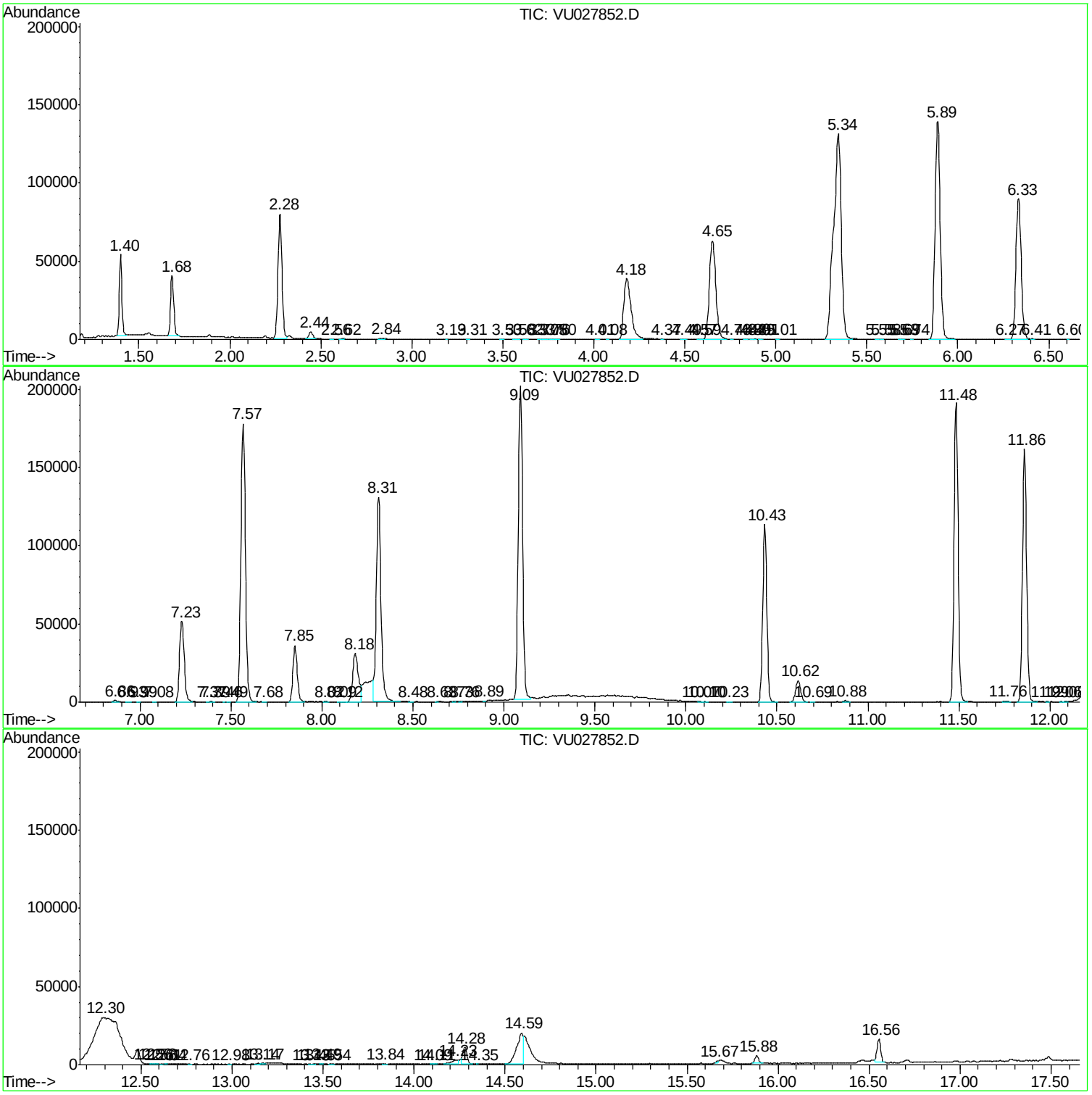
Sum of corrected areas: 3422588

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102918\
Data File : VU027852.D
Acq On : 29 Oct 2018 13:44
Operator : MD/SY
Sample : J5705-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A40C1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM102218WMA.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\VU102918\
Data File : VU027852.D
Acq On : 29 Oct 2018 13:44
Operator : MD/SY
Sample : J5705-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A40C1

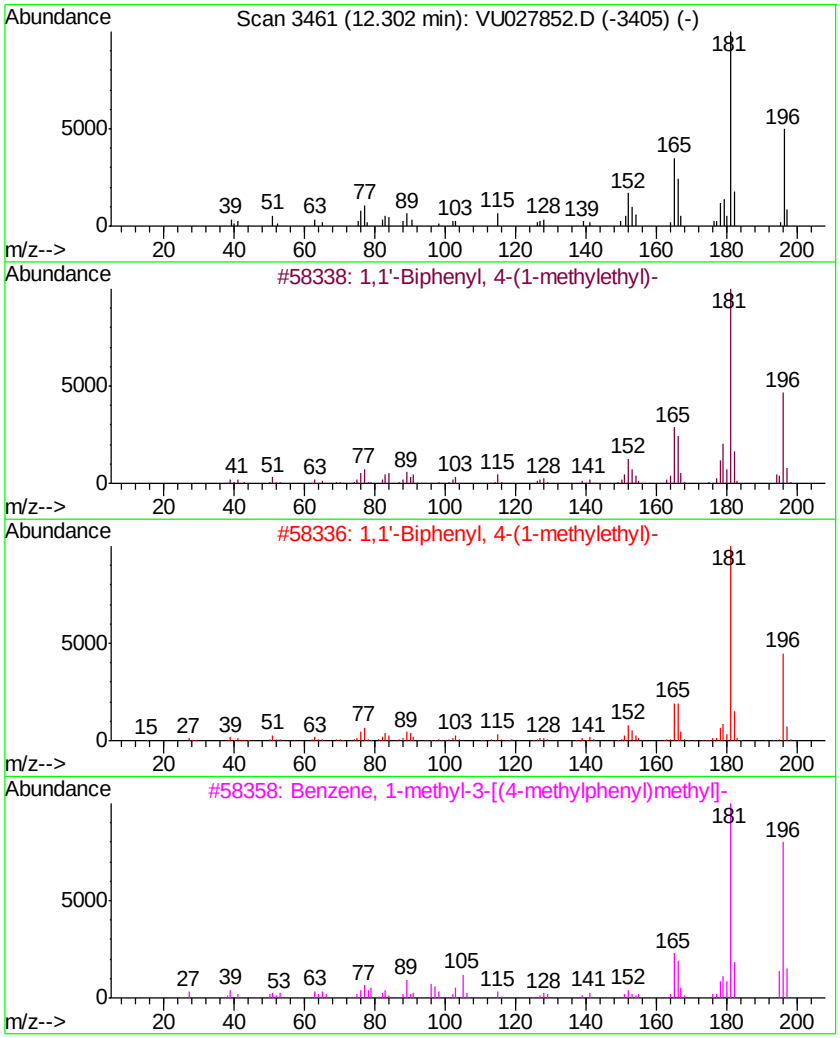
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM102218WMA.M
Quant Title : VOC Analysis

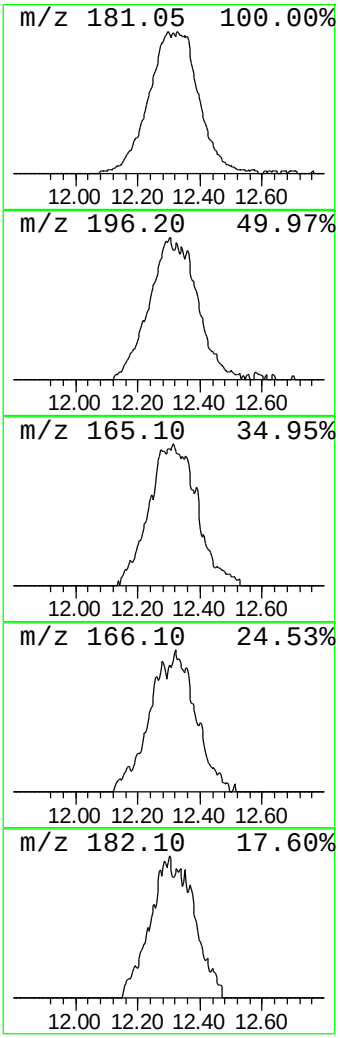
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 1,1'-Biphenyl, 4-(1-methyle... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	21.65 ug/L	129839	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 4-(1-methylethyl)-	196	C15H16	007116-95-2	94
2	1,1'-Biphenyl, 4-(1-methylethyl)-	196	C15H16	007116-95-2	94
3	Benzene, 1-methyl-3-[(4-methylph...	196	C15H16	021895-16-9	90
4	Methane, di-p-tolyl-	196	C15H16	004957-14-6	90
5	Benzene, 1,2-dimethyl-4-(phenylm...	196	C15H16	013540-56-2	81





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102918\
Data File : VU027852.D
Acq On : 29 Oct 2018 13:44
Operator : MD/SY
Sample : J5705-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A40C1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM102218WMA.M
Quant Title : VOC Analysis

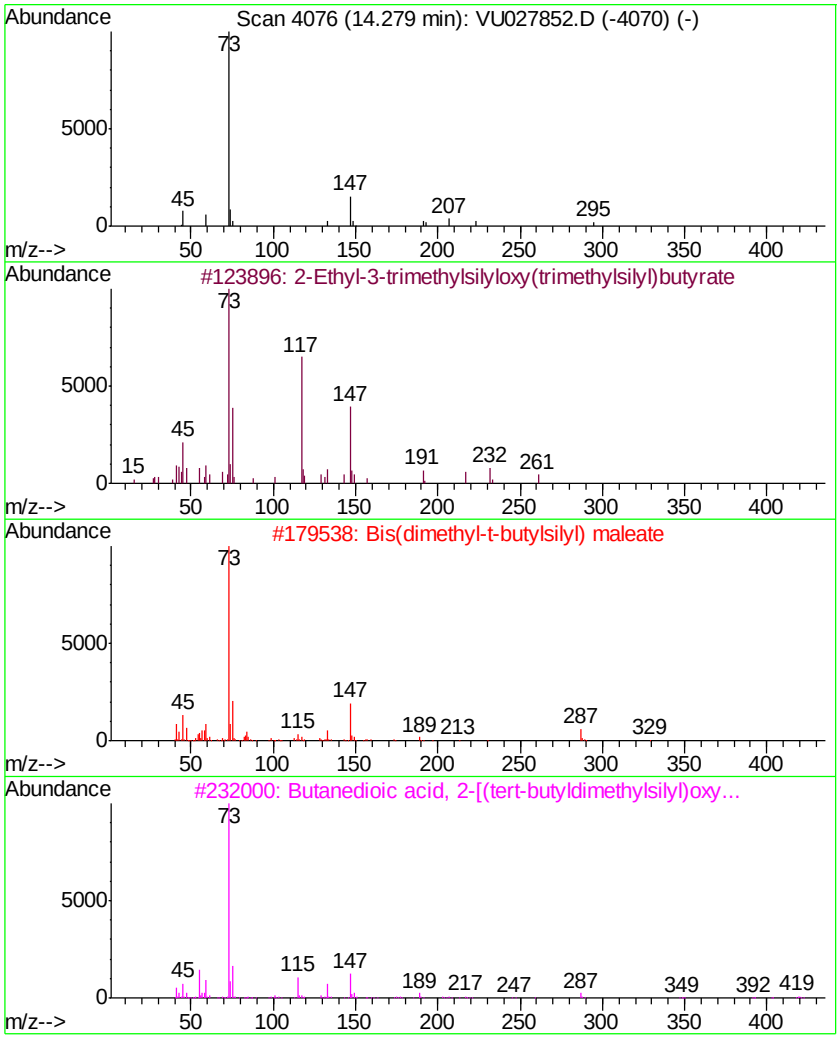
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

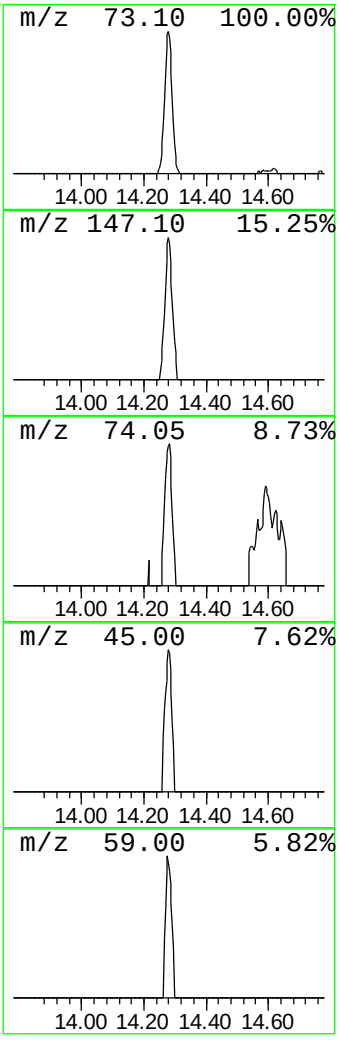
****

Peak Number 5 unknown-01 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.28	2.90 ug/L	17418	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Ethyl-3-trimethylsilyloxy(trim...	276	C12H28O3Si2	1000078-93-6	38
2	Bis(dimethyl-t-butylsilyl) maleate	344	C16H32O4Si2	104255-92-7	25
3	Butanedioic acid, 2-[(tert-butyl...	476	C22H48O5Si3	099461-86-6	9
4	Spiro[2.4]hept-5-ene, 5-trimethy...	252	C14H28Si2	1000153-96-9	9
5	1-Propene-1-thiol	74	C3H6S	000925-89-3	4





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102918\
Data File : VU027852.D
Acq On : 29 Oct 2018 13:44
Operator : MD/SY
Sample : J5705-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A40C1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM102218WMA.M
Quant Title : VOC Analysis

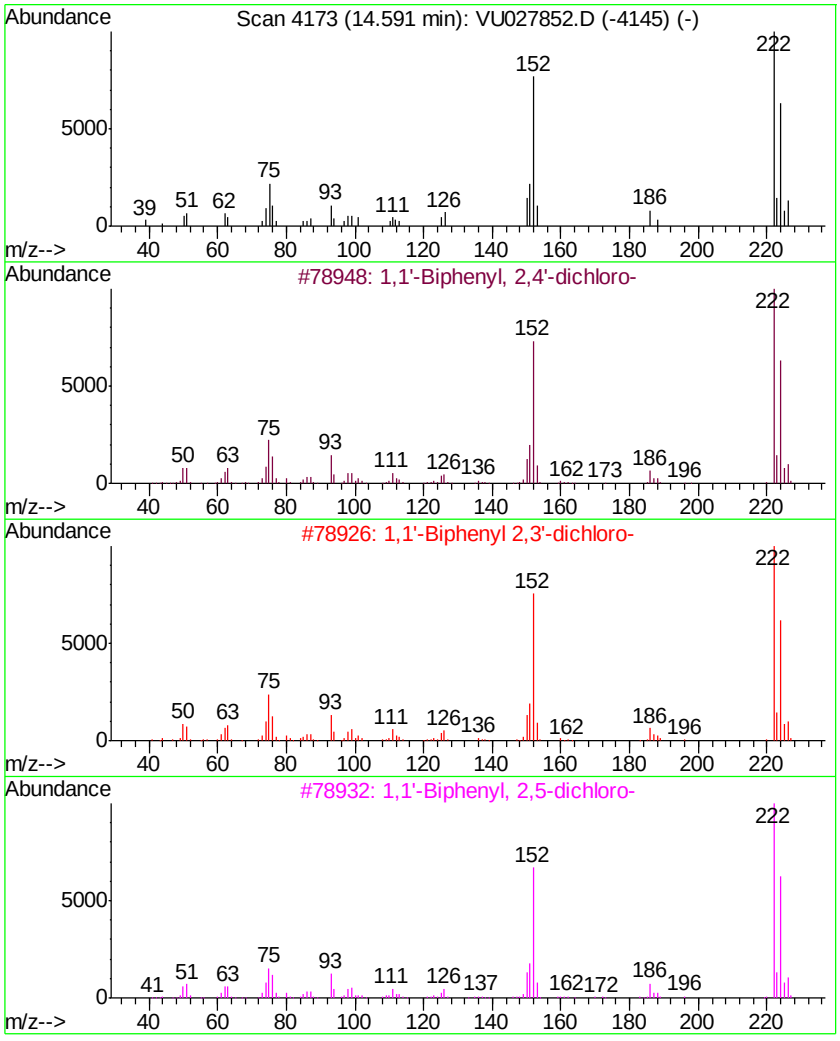
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

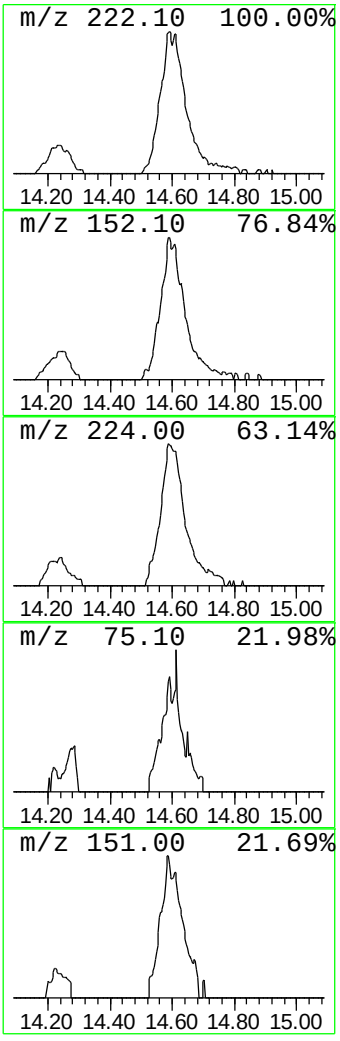
****

Peak Number 6 1,1'-Biphenyl, 2,4'-dichloro- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.59	8.28 ug/L	49655	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,4'-dichloro-	222	C12H8Cl2	034883-43-7	99
2	1,1'-Biphenyl 2,3'-dichloro-	222	C12H8Cl2	025569-80-6	99
3	1,1'-Biphenyl, 2,5-dichloro-	222	C12H8Cl2	034883-39-1	99
4	1,1'-Biphenyl, 3,4-dichloro-	222	C12H8Cl2	002974-92-7	99
5	1,1'-Biphenyl, 2,3-dichloro-	222	C12H8Cl2	016605-91-7	99





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102918\
Data File : VU027852.D
Acq On : 29 Oct 2018 13:44
Operator : MD/SY
Sample : J5705-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A40C1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM102218WMA.M
Quant Title : VOC Analysis

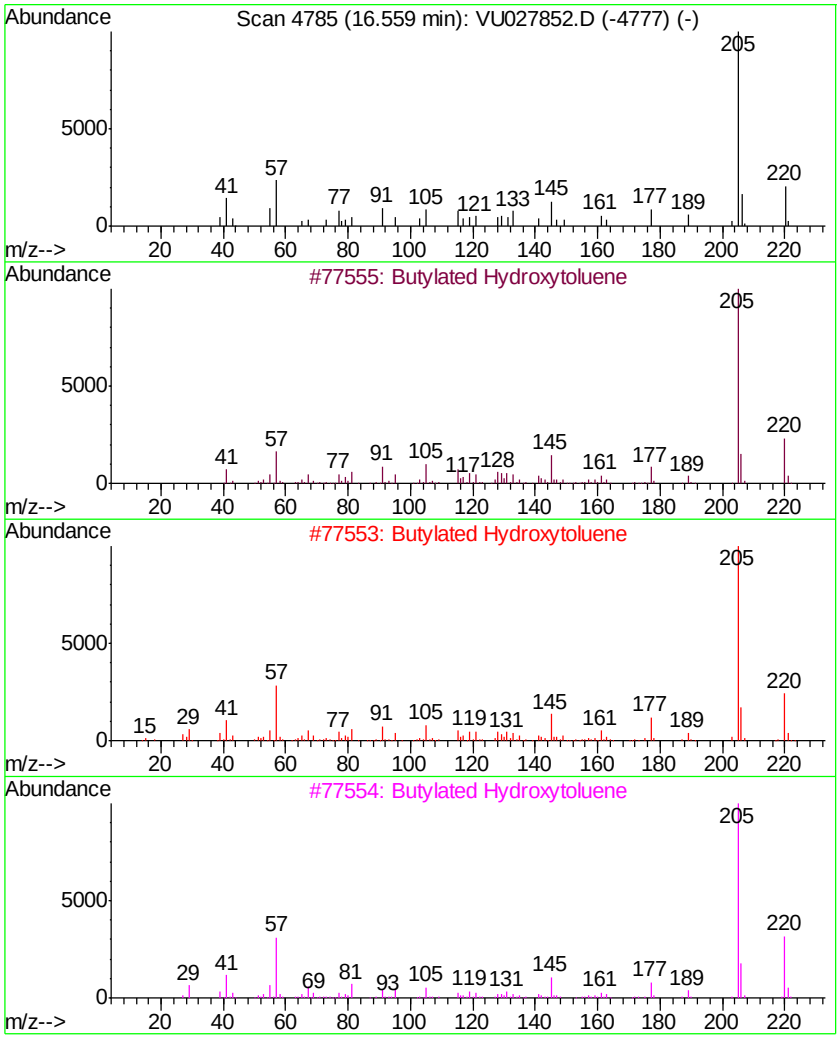
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

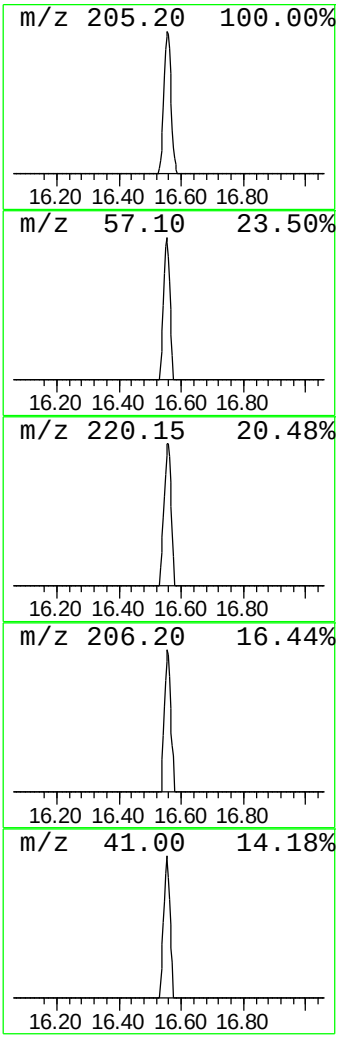
****

Peak Number 7 Butylated Hydroxytoluene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.56	3.39 ug/L	20318	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butylated Hydroxytoluene	220	C15H24O	000128-37-0	98
2	Butylated Hydroxytoluene	220	C15H24O	000128-37-0	96
3	Butylated Hydroxytoluene	220	C15H24O	000128-37-0	94
4	Phenol, 4,6-di(1,1-dimethylethyl...	220	C15H24O	000616-55-7	86
5	Phenol, 2,4,6-tris(1-methylethyl)-	220	C15H24O	002934-07-8	83





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102918\
Data File : VU027852.D
Acq On : 29 Oct 2018 13:44
Operator : MD/SY
Sample : J5705-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A40C1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM102218WMA.M
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
1,1'-Biphenyl, 4-...	12.30	21.6	ug/L	129839	3	11.48	299852	50.0
unknown-01	14.28	2.9	ug/L	17418	3	11.48	299852	50.0
1,1'-Biphenyl, 2,...	14.59	8.3	ug/L	49655	3	11.48	299852	50.0
Butylated Hydroxy...	16.56	3.4	ug/L	20318	3	11.48	299852	50.0