LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102818\
Data File : VW006409.D
Acq On : 26 Oct 2018 16:32
Operator : SY/AP
Sample : VIBLK91
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : VIBLK91

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_W\METHOD\SOM2WLM100918S.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	2.154	39	41	42	rBV2	561	366	0.02%	0.003%
2	2.196	45	48	49	rBV3	1118	1297	0.08%	0.012%
3	2.361	69	75	90	rVB	48336	106884	6.47%	0.949%
4	2.898	156	163	181	rVB	42092	119447	7.23%	1.061%
5	3.867	315	322	324	rBV5	932	1894	0.11%	0.017%
6	4.013	335	346	362	rBV	98832	292767	17.73%	2.601%
7	4.129	362	365	366	rBV3	982	1018	0.06%	0.009%
8	4.416	405	412	413	rBV2	2054	3163	0.19%	0.028%
9	4.562	433	436	440	rBV3	115	194	0.01%	0.002%
10	4.672	452	454	458	rVB3	251	397	0.02%	0.004%
11	4.708	458	460	461	rBV2	201	197	0.01%	0.002%
12	4.915	484	494	507	rVB2	6707	22431	1.36%	0.199%
13	5.098	521	524	525	rBV	347	367	0.02%	0.003%
14	5.117	525	527	529	rBV2	266	305	0.02%	0.003%
15	5.269	551	552	556	rBV3	315	338	0.02%	0.003%
16	5.409	573	575	577	rVV3	249	220	0.01%	0.002%
17	5.458	581	583	586	rVV	279	259	0.02%	0.002%
18	5.684	617	620	623	rBV3	214	313	0.02%	0.003%
19	5.751	626	631	632	rBV3	218	296	0.02%	0.003%
20	5.860	647	649	653	rVB2	210	276	0.02%	0.002%
21	5.940	653	662	672	rBV6	2306	6982	0.42%	0.062%
22	6.190	699	703	706	rBV2	141	245	0.01%	0.002%
23	6.348	727	729	732	rBV3	227	236	0.01%	0.002%
24	6.379	732	734	738	rVB2	302	350	0.02%	0.003%
25	6.952	826	828	830	rVB	556	461	0.03%	0.004%
26	7.086	840	850	855	rBV	38798	106494	6.45%	0.946%
27	7.269	878	880	881	rBV2	272	204	0.01%	0.002%
28	7.324	885	889	891	rVB3	341	363	0.02%	0.003%
29	7.397	899	901	906	rBV2	189	286	0.02%	0.003%
30	7.470	908	913	914	rBV3	228	288	0.02%	0.003%
31	7.555	922	927	930	rVB4	332	518	0.03%	0.005%
32	7.653	932	943	960	rBV	154915	377369	22.85%	3.352%
33	7.878	979	980	984	rVB2	263	287	0.02%	0.003%
34	7.933	987	989	990	rBV	269	210	0.01%	0.002%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102818\
Data File : VW006409.D
Acq On : 26 Oct 2018 16:32
Operator : SY/AP
Sample : VIBLK91
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : VIBLK91

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_W\METHOD\SOM2WLM100918S.M
Title : VOC Analysis

35	7.964	993	994	997	rVB3	253	239	0.01%	0.002%
36	8.153	1022	1025	1026	rBV2	294	315	0.02%	0.003%
37	8.275	1031	1045	1060	rBV3	517736	1651543	100.00%	14.671%
38	8.482	1076	1079	1080	rBV3	412	375	0.02%	0.003%
39	8.622	1100	1102	1105	rVV3	237	280	0.02%	0.002%
40	8.689	1108	1113	1118	rBV5	601	1110	0.07%	0.010%
41	8.848	1130	1139	1151	rVB	345822	685873	41.53%	6.093%
42	8.945	1152	1155	1158	rVB3	277	416	0.03%	0.004%
43	9.037	1167	1170	1171	rBV2	417	350	0.02%	0.003%
44	9.079	1171	1177	1184	rVB5	1049	2439	0.15%	0.022%
45	9.281	1200	1210	1224	rBV	203840	409839	24.82%	3.641%
46	9.384	1224	1227	1234	rVB3	983	1730	0.10%	0.015%
47	9.470	1234	1241	1247	rBV5	1208	2579	0.16%	0.023%
48	9.585	1257	1260	1263	rBV2	216	296	0.02%	0.003%
49	9.665	1268	1273	1277	rBV3	1481	2455	0.15%	0.022%
50	9.762	1282	1289	1296	rBV2	11184	20642	1.25%	0.183%
51	9.896	1303	1311	1318	rBV	27446	55482	3.36%	0.493%
52	9.963	1318	1322	1327	rVV4	2936	5998	0.36%	0.053%
53	10.036	1327	1334	1342	rVB	104579	185009	11.20%	1.644%
54	10.250	1358	1369	1374	rBV	12304	26050	1.58%	0.231%
55	10.329	1374	1382	1390	rVV	444916	786771	47.64%	6.989%
56	10.512	1407	1412	1417	rBV4	490	921	0.06%	0.008%
57	10.579	1417	1423	1434	rVV	70651	121961	7.38%	1.083%
58	10.713	1436	1445	1452	rBV	140351	257292	15.58%	2.286%
59	10.774	1452	1455	1461	rVV3	3224	5279	0.32%	0.047%
60	10.847	1461	1467	1473	rVB3	4163	7405	0.45%	0.066%
61	10.927	1473	1480	1494	rBV	156857	265591	16.08%	2.359%
62	11.067	1494	1503	1514	rVV	34371	57919	3.51%	0.515%
63	11.177	1517	1521	1528	rVB2	6915	11321	0.69%	0.101%
64	11.286	1538	1539	1544	rVB4	259	344	0.02%	0.003%
65	11.347	1544	1549	1552	rBV4	1007	1861	0.11%	0.017%
66	11.445	1554	1565	1573	rBV	122735	213509	12.93%	1.897%
67	11.634	1588	1596	1604	rBV	499746	836882	50.67%	7.434%
68	11.750	1613	1615	1616	rBV2	502	474	0.03%	0.004%
69	12.262	1696	1699	1701	rBV3	309	356	0.02%	0.003%
70	12.384	1714	1719	1720	rBV2	1014	1536	0.09%	0.014%
71	12.615	1725	1757	1760	rBV	317853	1084133	65.64%	9.631%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102818\
Data File : VW006409.D
Acq On : 26 Oct 2018 16:32
Operator : SY/AP
Sample : VIBLK91
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : VIBLK91

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_W\METHOD\SOM2WLM100918S.M
Title : VOC Analysis

72	12.945	1807	1811	1814	rBV2	15542	30307	1.84%	0.269%
73	13.475	1894	1898	1902	rBV3	11128	17976	1.09%	0.160%
74	13.566	1906	1913	1920	rVV	569450	918109	55.59%	8.156%
75	13.719	1935	1938	1941	rBV2	431	545	0.03%	0.005%
76	13.774	1941	1947	1949	rBV3	3862	6471	0.39%	0.057%
77	13.859	1954	1961	1968	rBV	500070	810311	49.06%	7.198%
78	13.963	1975	1978	1985	rVB5	2100	3289	0.20%	0.029%
79	14.030	1985	1989	1991	rVV2	1148	2001	0.12%	0.018%
80	14.085	1991	1998	2007	rVB2	38857	65952	3.99%	0.586%
81	14.213	2012	2019	2023	rBV4	1128	2222	0.13%	0.020%
82	14.402	2028	2050	2063	rBV	247402	1061661	64.28%	9.431%
83	14.536	2064	2072	2091	rVB2	75850	259401	15.71%	2.304%
84	14.737	2098	2105	2110	rBV4	6854	11648	0.71%	0.103%
85	14.828	2110	2120	2122	rVV10	5242	16570	1.00%	0.147%
86	14.914	2125	2134	2145	rVB	32673	97004	5.87%	0.862%
87	15.011	2148	2150	2151	rBV2	411	348	0.02%	0.003%
88	15.158	2164	2174	2175	rBV8	2531	6413	0.39%	0.057%
89	15.444	2215	2221	2227	rVB2	7822	13873	0.84%	0.123%
90	15.511	2227	2232	2239	rBV2	8093	14850	0.90%	0.132%
91	15.645	2243	2254	2256	rBV3	6386	16227	0.98%	0.144%
92	15.779	2273	2276	2279	rBV4	1045	1635	0.10%	0.015%
93	15.816	2279	2282	2286	rVB5	1452	2188	0.13%	0.019%
94	16.072	2307	2324	2338	rVB6	14374	81250	4.92%	0.722%
95	16.188	2339	2343	2346	rVB5	1033	1494	0.09%	0.013%
96	16.237	2346	2351	2352	rBV4	3021	4193	0.25%	0.037%
97	16.426	2378	2382	2386	rBV3	2241	4270	0.26%	0.038%
98	16.511	2391	2396	2405	rVB8	2743	6230	0.38%	0.055%
99	16.596	2408	2410	2411	rBV	582	382	0.02%	0.003%
100	16.767	2420	2438	2441	rBV9	10706	46834	2.84%	0.416%

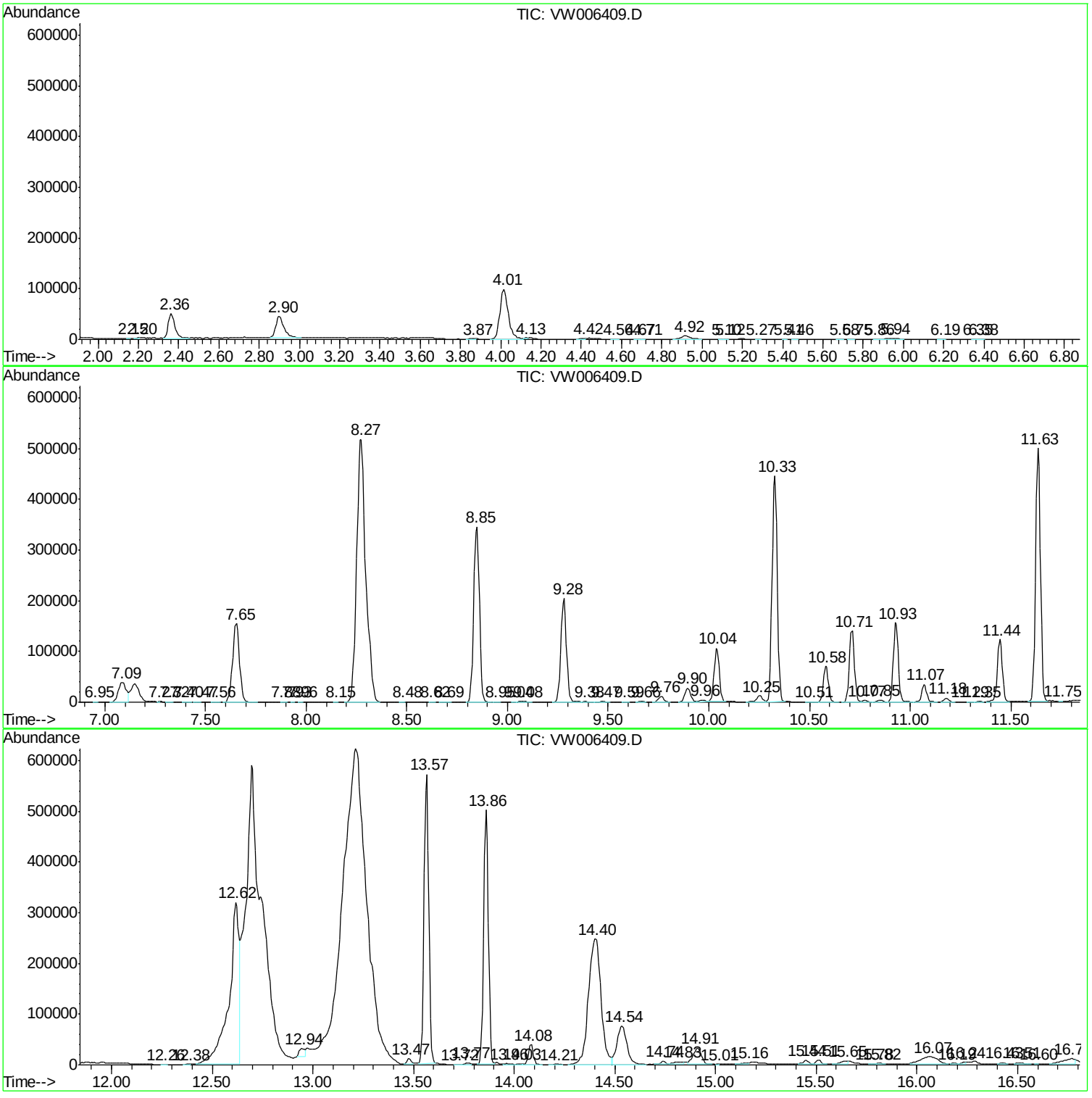
Sum of corrected areas: 11256951

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102818\
Data File : VW006409.D
Acq On : 26 Oct 2018 16:32
Operator : SY/AP
Sample : VIBLK91
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VIBLK91

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100918S.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102818\
Data File : VW006409.D
Acq On : 26 Oct 2018 16:32
Operator : SY/AP
Sample : VIBLK91
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : VIBLK91

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100918S.M
Quant Title : VOC Analysis

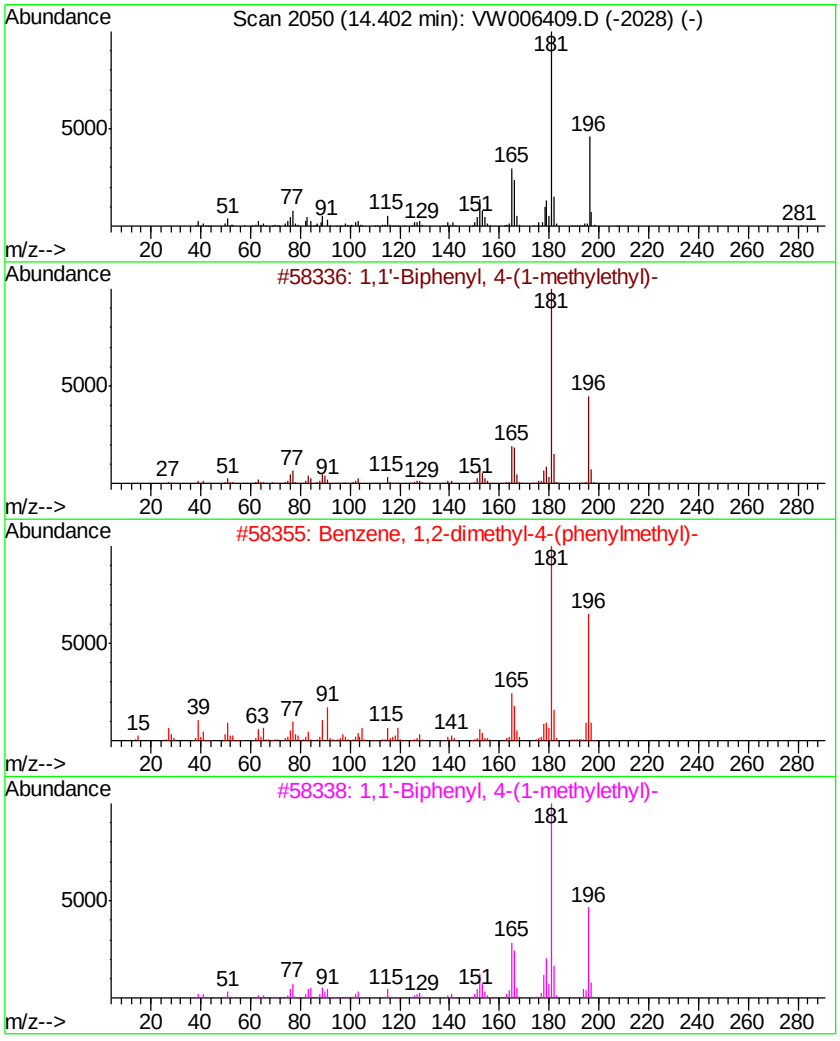
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

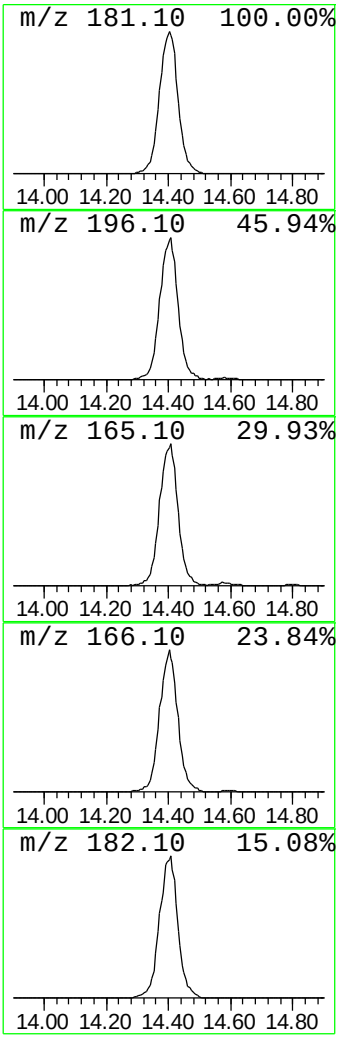
****

Peak Number 8 1,1'-Biphenyl, 4-(1-methyle... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.40	28.91 ug/L	1061660	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 4-(1-methylethyl)-	196	C15H16	007116-95-2	97
2	Benzene, 1,2-dimethyl-4-(phenylm...	196	C15H16	013540-56-2	94
3	1,1'-Biphenyl, 4-(1-methylethyl)-	196	C15H16	007116-95-2	93
4	Methane, di-p-tolyl-	196	C15H16	004957-14-6	91
5	Methane, di-p-tolyl-	196	C15H16	004957-14-6	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102818\
Data File : VW006409.D
Acq On : 26 Oct 2018 16:32
Operator : SY/AP
Sample : VIBLK91
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : VIBLK91

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100918S.M
Quant Title : VOC Analysis

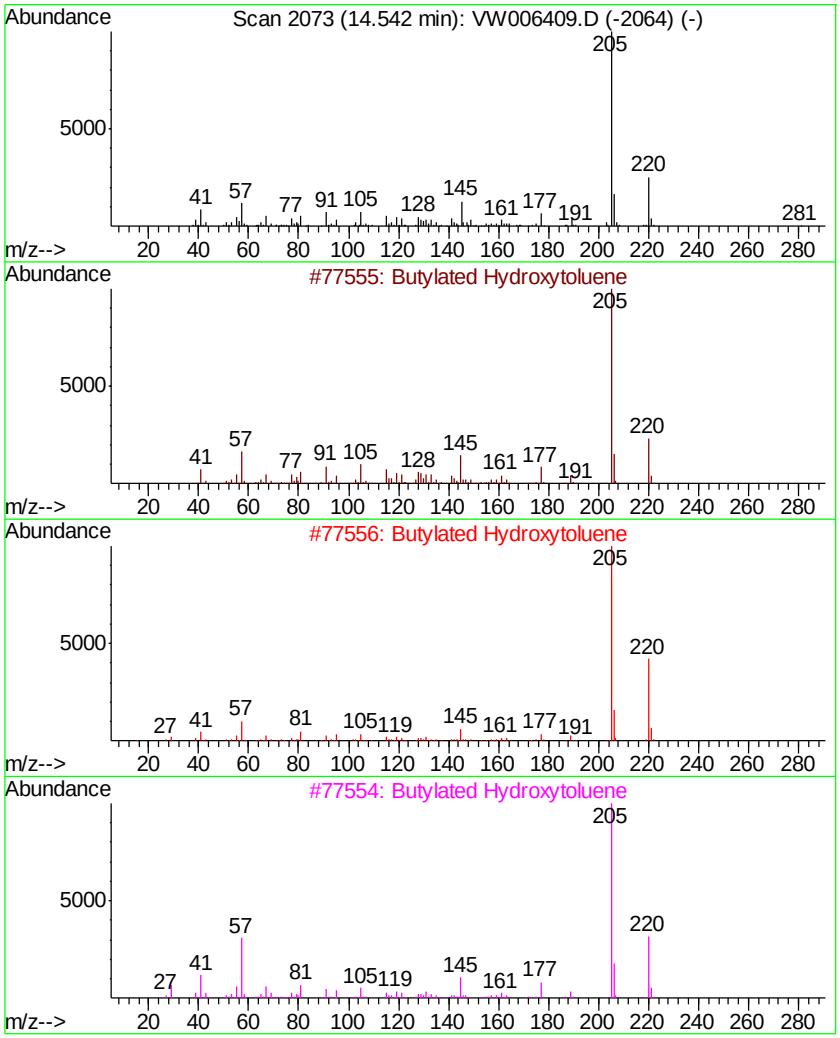
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

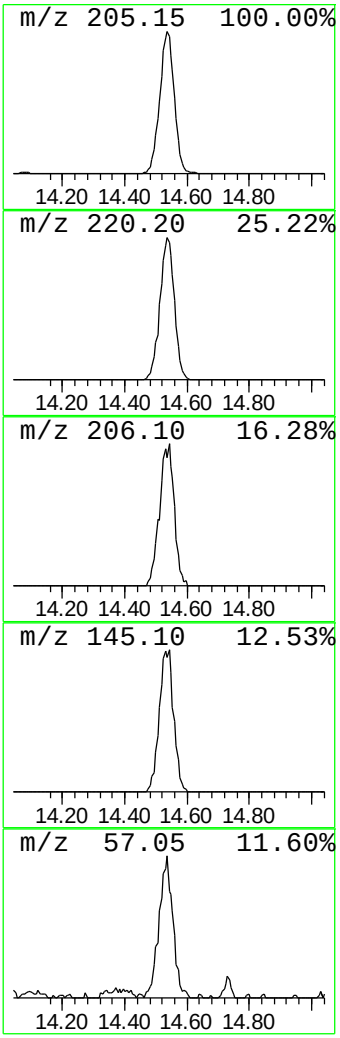
****

Peak Number 9 Butylated Hydroxytoluene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.54	7.06 ug/L	259401	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butylated Hydroxytoluene	220	C15H24O	000128-37-0	97
2	Butylated Hydroxytoluene	220	C15H24O	000128-37-0	95
3	Butylated Hydroxytoluene	220	C15H24O	000128-37-0	95
4	Butylated Hydroxytoluene	220	C15H24O	000128-37-0	94
5	Phenol, 2,4,6-tris(1-methylethyl)-	220	C15H24O	002934-07-8	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102818\
Data File : VW006409.D
Acq On : 26 Oct 2018 16:32
Operator : SY/AP
Sample : VIBLK91
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : VIBLK91

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100918S.M
Quant Title : VOC Analysis

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

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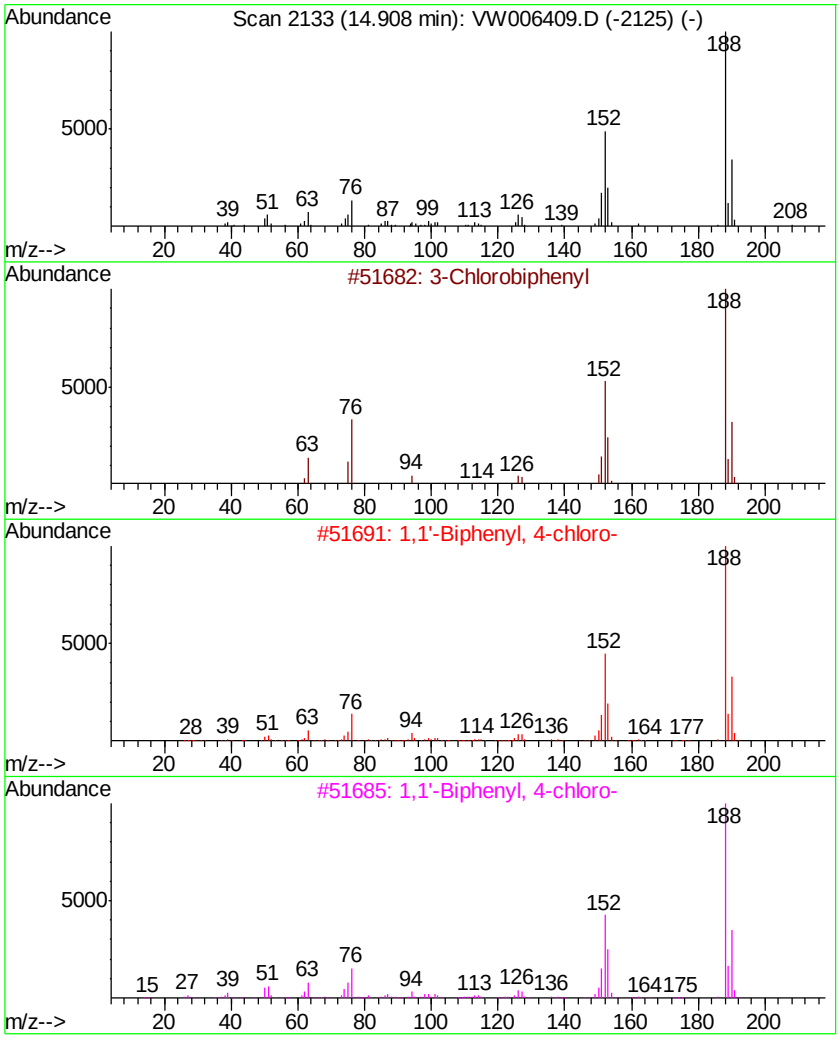
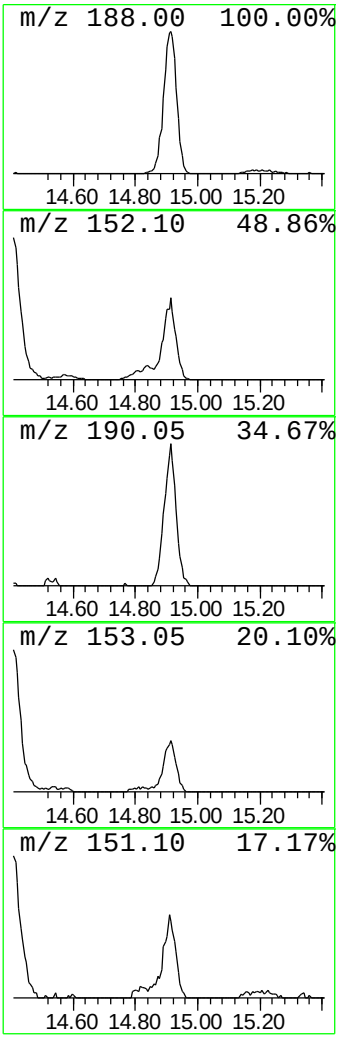
Peak Number 10 3-Chlorobiphenyl Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.91	2.64 ug/L	97004	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chlorobiphenyl	188	C12H9Cl	002051-61-8	95
2	1,1'-Biphenyl, 4-chloro-	188	C12H9Cl	002051-62-9	95
3	1,1'-Biphenyl, 4-chloro-	188	C12H9Cl	002051-62-9	95
4	1,1'-Biphenyl, 4-chloro-	188	C12H9Cl	002051-62-9	95
5	3-Chlorobiphenyl	188	C12H9Cl	002051-61-8	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102818\
Data File : VW006409.D
Acq On : 26 Oct 2018 16:32
Operator : SY/AP
Sample : VIBLK91
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : VIBLK91

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100918S.M
Quant Title : VOC Analysis

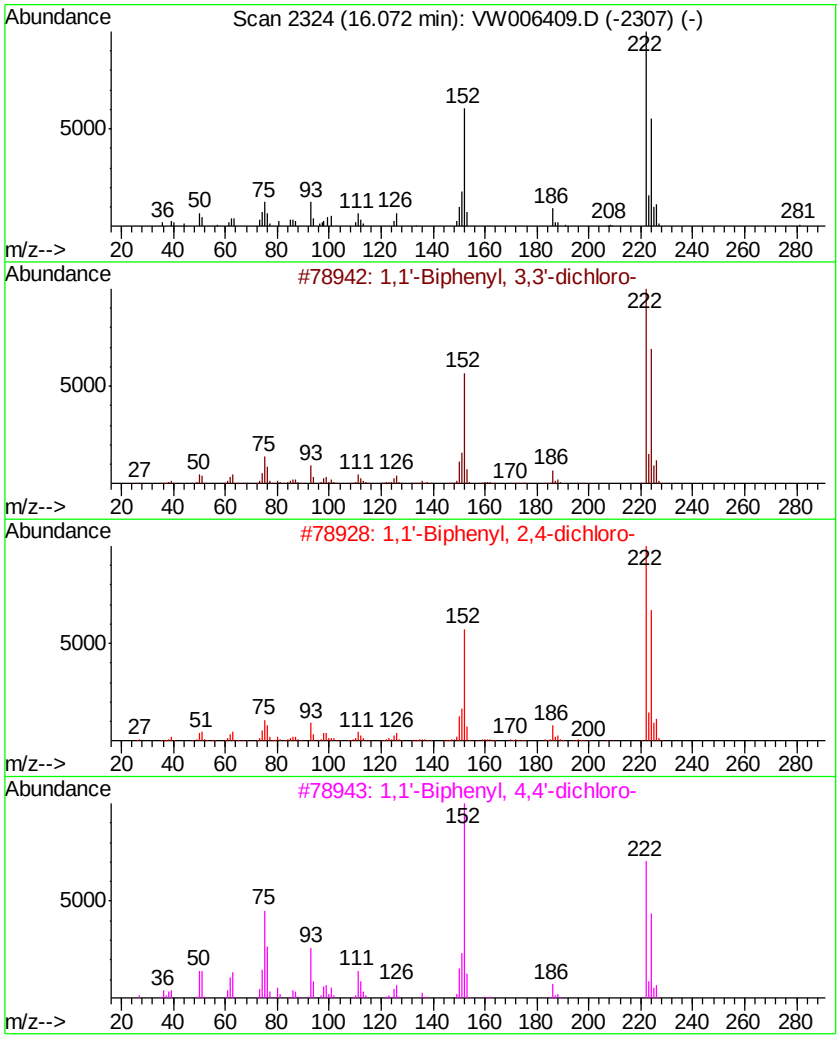
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

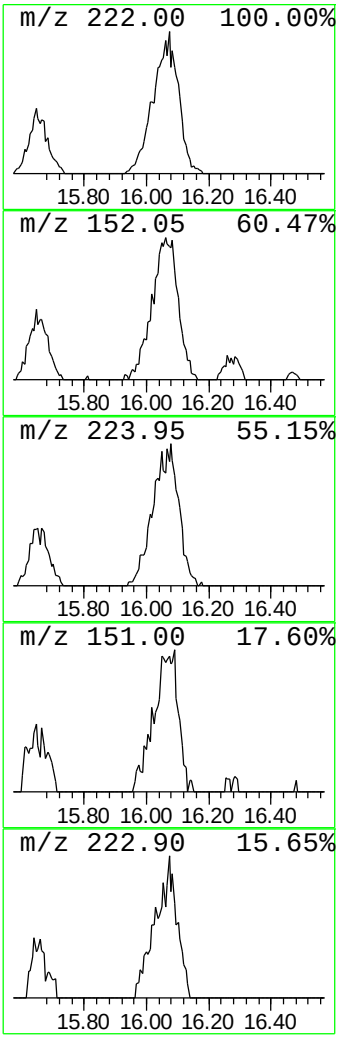
****

Peak Number 11 1,1'-Biphenyl, 3,3'-dichloro- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.07	2.21 ug/L	81250	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3,3'-dichloro-	222	C12H8Cl2	002050-67-1	99
2	1,1'-Biphenyl, 2,4-dichloro-	222	C12H8Cl2	033284-50-3	98
3	1,1'-Biphenyl, 4,4'-dichloro-	222	C12H8Cl2	002050-68-2	97
4	1,1'-Biphenyl, 3,5-dichloro-	222	C12H8Cl2	034883-41-5	97
5	1,1'-Biphenyl, 4,4'-dichloro-	222	C12H8Cl2	002050-68-2	97





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102818\
Data File : VW006409.D
Acq On : 26 Oct 2018 16:32
Operator : SY/AP
Sample : VIBLK91
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : VIBLK91

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100918S.M
Quant Title : VOC Analysis

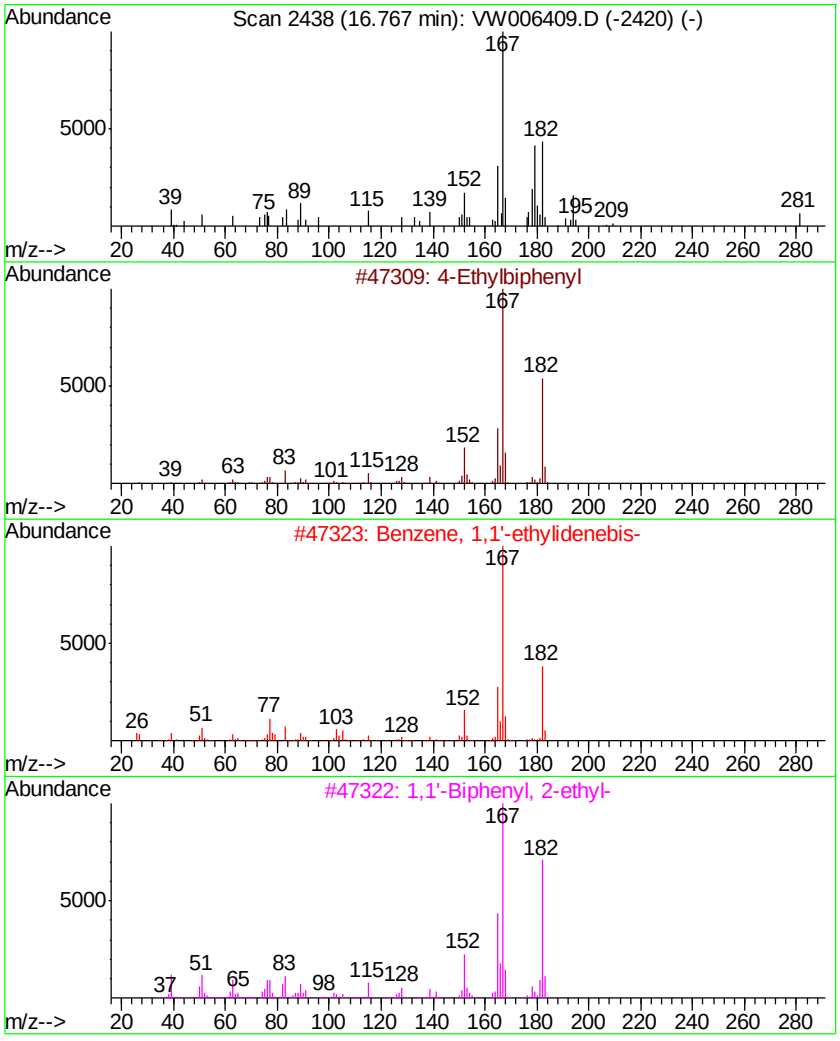
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

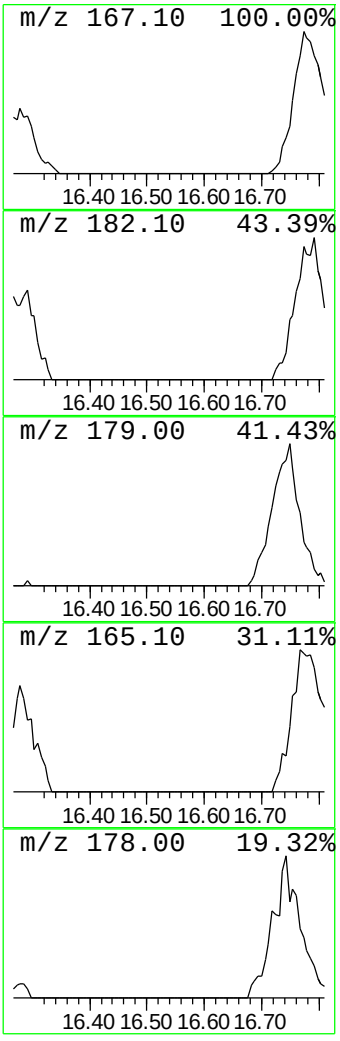
****

Peak Number 12 4-Ethylbiphenyl Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.77	1.28 ug/L	46834	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Ethylbiphenyl	182	C14H14	005707-44-8	64
2	Benzene, 1,1'-ethylidenebis-	182	C14H14	000612-00-0	58
3	1,1'-Biphenyl, 2-ethyl-	182	C14H14	001812-51-7	52
4	Benzene, 1-methyl-4-(phenylmethyl)-	182	C14H14	000620-83-7	52
5	Benzene, 1,1'-ethylidenebis-	182	C14H14	000612-00-0	52





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102818\
Data File : VW006409.D
Acq On : 26 Oct 2018 16:32
Operator : SY/AP
Sample : VIBLK91
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : VIBLK91

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100918S.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-...	14.40	28.9	ug/L	1061660	3	13.57	918109	25.0
Butylated Hydroxy...	14.54	7.1	ug/L	259401	3	13.57	918109	25.0
3-Chlorobiphenyl	14.91	2.6	ug/L	97004	3	13.57	918109	25.0
1,1'-Biphenyl, 3,...	16.07	2.2	ug/L	81250	3	13.57	918109	25.0
4-Ethylbiphenyl	16.77	1.3	ug/L	46834	3	13.57	918109	25.0