LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102918\
Data File : VU027850.D
Acq On : 29 Oct 2018 12:58
Operator : MD/SY
Sample : J5668-03DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBP9DL

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	1.286	30	35	46	rBV3	4021	4908	1.26%	0.141%
2	1.402	63	71	83	rBV2	129361	141593	36.48%	4.060%
3	1.678	150	157	171	rVB	36869	48734	12.56%	1.397%
4	2.183	312	314	315	rBV	645	292	0.08%	0.008%
5	2.273	331	342	356	rBV	80671	122322	31.52%	3.507%
6	2.447	387	396	403	rBV	1389	2089	0.54%	0.060%
7	2.617	447	449	455	rVB2	202	193	0.05%	0.006%
8	2.701	473	475	478	rBV2	151	95	0.02%	0.003%
9	2.842	510	519	526	rVB3	442	789	0.20%	0.023%
10	2.990	558	565	571	rBV3	587	744	0.19%	0.021%
11	3.090	591	596	597	rBV	207	202	0.05%	0.006%
12	3.173	619	622	628	rBV	83	81	0.02%	0.002%
13	3.247	642	645	648	rBV	85	66	0.02%	0.002%
14	3.289	655	658	664	rVB	86	70	0.02%	0.002%
15	3.360	677	680	681	rBV	170	122	0.03%	0.003%
16	3.415	694	697	700	rBV2	246	176	0.05%	0.005%
17	3.472	712	715	718	rBV	94	66	0.02%	0.002%
18	3.608	753	757	761	rBV	94	79	0.02%	0.002%
19	3.694	781	784	788	rBV	84	80	0.02%	0.002%
20	3.900	841	848	853	rBV	190	300	0.08%	0.009%
21	3.964	862	868	873	rBV	194	336	0.09%	0.010%
22	4.032	885	889	891	rBV	119	83	0.02%	0.002%
23	4.180	921	935	939	rBV	39524	75662	19.49%	2.169%
24	4.373	993	995	998	rVB	170	114	0.03%	0.003%
25	4.408	1003	1006	1008	rVV	202	94	0.02%	0.003%
26	4.649	1066	1081	1108	rBV	63672	149885	38.62%	4.298%
27	4.833	1136	1138	1141	rVB	176	82	0.02%	0.002%
28	4.865	1145	1148	1151	rBV2	137	135	0.03%	0.004%
29	4.881	1151	1153	1155	rVV2	136	63	0.02%	0.002%
30	4.926	1165	1167	1168	rBV	116	66	0.02%	0.002%
31	5.090	1215	1218	1221	rBV	180	164	0.04%	0.005%
32	5.125	1226	1229	1233	rBB	147	156	0.04%	0.004%
33	5.193	1248	1250	1254	rVB	185	149	0.04%	0.004%
34	5.215	1255	1257	1260	rBV	153	124	0.03%	0.004%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102918\
Data File : VU027850.D
Acq On : 29 Oct 2018 12:58
Operator : MD/SY
Sample : J5668-03DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBP9DL

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	5.341	1272	1296	1318	rBV2	130960	388134	100.00%	11.129%
36	5.488	1339	1342	1343	rBV	167	112	0.03%	0.003%
37	5.604	1375	1378	1379	rBV	124	92	0.02%	0.003%
38	5.775	1429	1431	1434	rVB	173	120	0.03%	0.003%
39	5.887	1452	1466	1495	rBV	136506	265552	68.42%	7.614%
40	6.013	1502	1505	1508	rVB2	194	114	0.03%	0.003%
41	6.029	1508	1510	1511	rBV2	162	68	0.02%	0.002%
42	6.074	1521	1524	1530	rVB	89	73	0.02%	0.002%
43	6.170	1552	1554	1556	rVB	244	96	0.02%	0.003%
44	6.186	1556	1559	1561	rBV	304	208	0.05%	0.006%
45	6.334	1590	1605	1621	rBV2	89205	179593	46.27%	5.149%
46	6.476	1647	1649	1652	rVB	270	138	0.04%	0.004%
47	6.495	1652	1655	1657	rBV	145	124	0.03%	0.004%
48	6.575	1675	1680	1683	rBV	179	221	0.06%	0.006%
49	6.861	1763	1769	1776	rBV4	1056	1748	0.45%	0.050%
50	7.228	1872	1883	1899	rBV	53496	93845	24.18%	2.691%
51	7.379	1929	1930	1932	rBV	190	78	0.02%	0.002%
52	7.501	1965	1968	1972	rVB	184	179	0.05%	0.005%
53	7.566	1975	1988	2012	rVV	177415	309368	79.71%	8.871%
54	7.659	2015	2017	2020	rVB2	182	117	0.03%	0.003%
55	7.742	2039	2043	2048	rBV	101	79	0.02%	0.002%
56	7.791	2056	2058	2059	rBV	110	63	0.02%	0.002%
57	7.852	2066	2077	2091	rVV2	37787	61983	15.97%	1.777%
58	7.919	2096	2098	2099	rBV2	223	90	0.02%	0.003%
59	7.951	2105	2108	2109	rBV	126	92	0.02%	0.003%
60	8.183	2166	2180	2192	rBV	20137	43881	11.31%	1.258%
61	8.312	2210	2220	2240	rVB	134984	225340	58.06%	6.461%
62	8.540	2288	2291	2293	rBV	323	257	0.07%	0.007%
63	8.566	2298	2299	2302	rVB	344	146	0.04%	0.004%
64	8.588	2302	2306	2308	rBV2	186	154	0.04%	0.004%
65	8.623	2313	2317	2320	rBV2	299	266	0.07%	0.008%
66	9.090	2451	2462	2480	rBV	200236	332519	85.67%	9.534%
67	10.234	2815	2818	2821	rVB	181	124	0.03%	0.004%
68	10.430	2867	2879	2899	rVB	115191	181741	46.82%	5.211%
69	10.514	2902	2905	2907	rBV	119	83	0.02%	0.002%
70	10.614	2926	2936	2949	rBV2	6282	12146	3.13%	0.348%
71	10.877	3011	3018	3024	rVB2	636	868	0.22%	0.025%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102918\
Data File : VU027850.D
Acq On : 29 Oct 2018 12:58
Operator : MD/SY
Sample : J5668-03DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBP9DL

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	10.961	3041	3044	3047	rBV	156	141	0.04%	0.004%
73	11.485	3195	3207	3228	rBV	195761	304082	78.34%	8.719%
74	11.588	3236	3239	3242	rBV	210	143	0.04%	0.004%
75	11.739	3282	3286	3288	rBV	200	152	0.04%	0.004%
76	11.755	3288	3291	3295	rVV2	269	255	0.07%	0.007%
77	11.861	3312	3324	3342	rBV	168667	272766	70.28%	7.821%
78	11.996	3364	3366	3370	rVB	172	99	0.03%	0.003%
79	12.643	3564	3567	3569	rBV3	295	195	0.05%	0.006%
80	12.813	3617	3620	3626	rVB2	315	364	0.09%	0.010%
81	12.848	3628	3631	3634	rBV	258	190	0.05%	0.005%
82	12.884	3640	3642	3645	rVB	239	136	0.04%	0.004%
83	13.141	3714	3722	3723	rBV	458	563	0.15%	0.016%
84	13.372	3792	3794	3797	rBV	149	82	0.02%	0.002%
85	13.414	3804	3807	3812	rVB	216	157	0.04%	0.005%
86	13.437	3812	3814	3817	rBV	199	131	0.03%	0.004%
87	14.077	4010	4013	4017	rBV	172	137	0.04%	0.004%
88	14.102	4017	4021	4025	rBV2	429	409	0.11%	0.012%
89	14.157	4036	4038	4042	rVB	180	94	0.02%	0.003%
90	14.176	4042	4044	4045	rBV	218	70	0.02%	0.002%
91	14.212	4045	4055	4057	rBV4	1168	1514	0.39%	0.043%
92	14.276	4069	4075	4090	rVB	5361	9336	2.41%	0.268%
93	14.366	4100	4103	4108	rBV2	318	306	0.08%	0.009%
94	14.594	4149	4174	4177	rBV5	11764	29997	7.73%	0.860%
95	14.896	4265	4268	4271	rBV2	266	189	0.05%	0.005%
96	15.456	4439	4442	4448	rVB3	489	488	0.13%	0.014%
97	15.880	4567	4574	4587	rVB2	2784	4655	1.20%	0.133%
98	16.556	4773	4784	4795	rVB2	112925	166109	42.80%	4.763%
99	16.703	4821	4830	4842	rBV2	18757	29364	7.57%	0.842%
100	17.485	5067	5073	5083	rVB5	10098	15543	4.00%	0.446%

Sum of corrected areas: 3487593

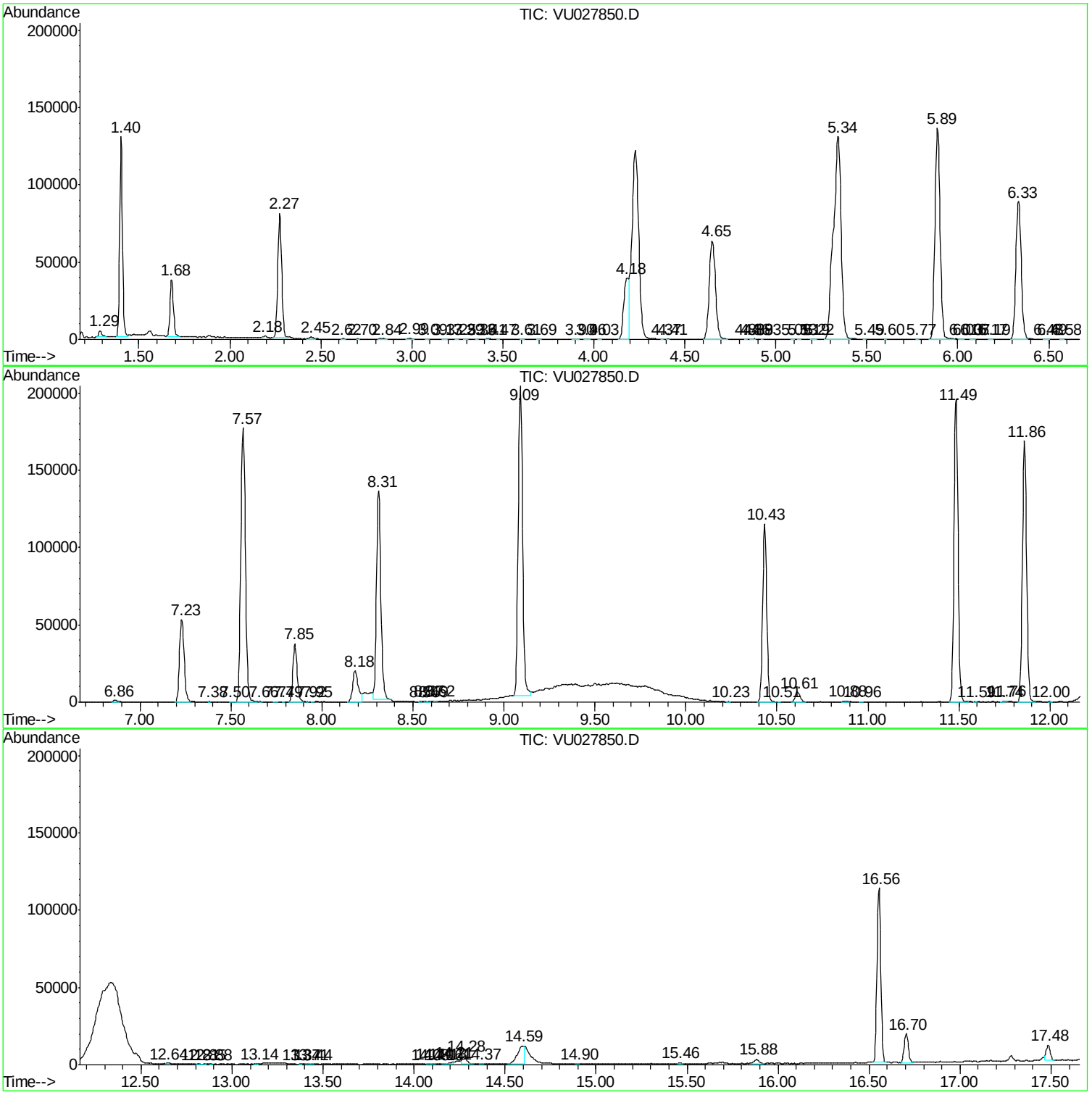
LSC Report - Integrated Chromatogram

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102918\
Data File : VU027850.D
Acq On : 29 Oct 2018 12:58
Operator : MD/SY
Sample : J5668-03DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBP9DL

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102918\
Data File : VU027850.D
Acq On : 29 Oct 2018 12:58
Operator : MD/SY
Sample : J5668-03DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBP9DL

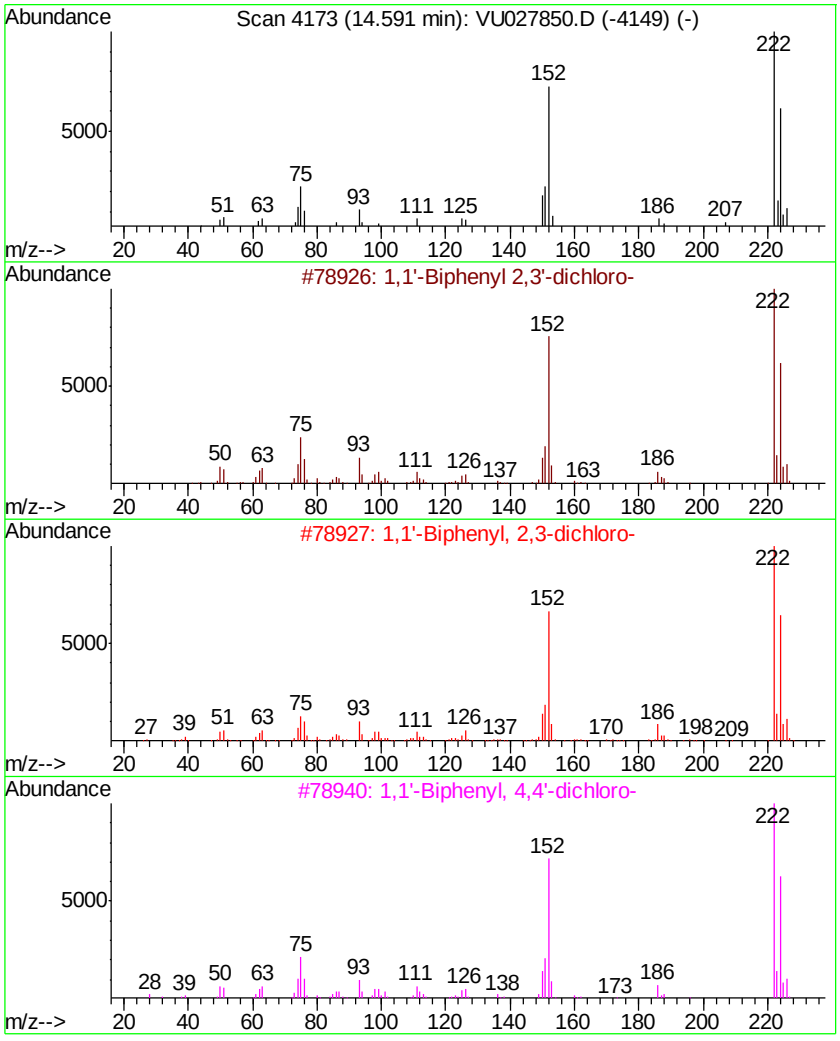
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM102218WMA.M
Quant Title : VOC Analysis

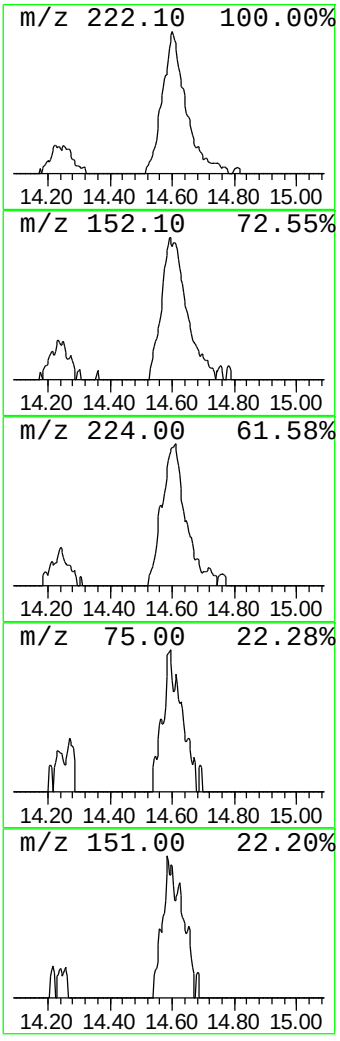
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 1,1'-Biphenyl 2,3'-dichloro- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.59	4.93 ug/L	29997	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl 2,3'-dichloro-	222	C12H8Cl2	025569-80-6	98
2	1,1'-Biphenyl, 2,3-dichloro-	222	C12H8Cl2	016605-91-7	98
3	1,1'-Biphenyl, 4,4'-dichloro-	222	C12H8Cl2	002050-68-2	97
4	1,1'-Biphenyl, 3,3'-dichloro-	222	C12H8Cl2	002050-67-1	97
5	1,1'-Biphenyl, 3,4'-dichloro-	222	C12H8Cl2	002974-90-5	96





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102918\
Data File : VU027850.D
Acq On : 29 Oct 2018 12:58
Operator : MD/SY
Sample : J5668-03DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBP9DL

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

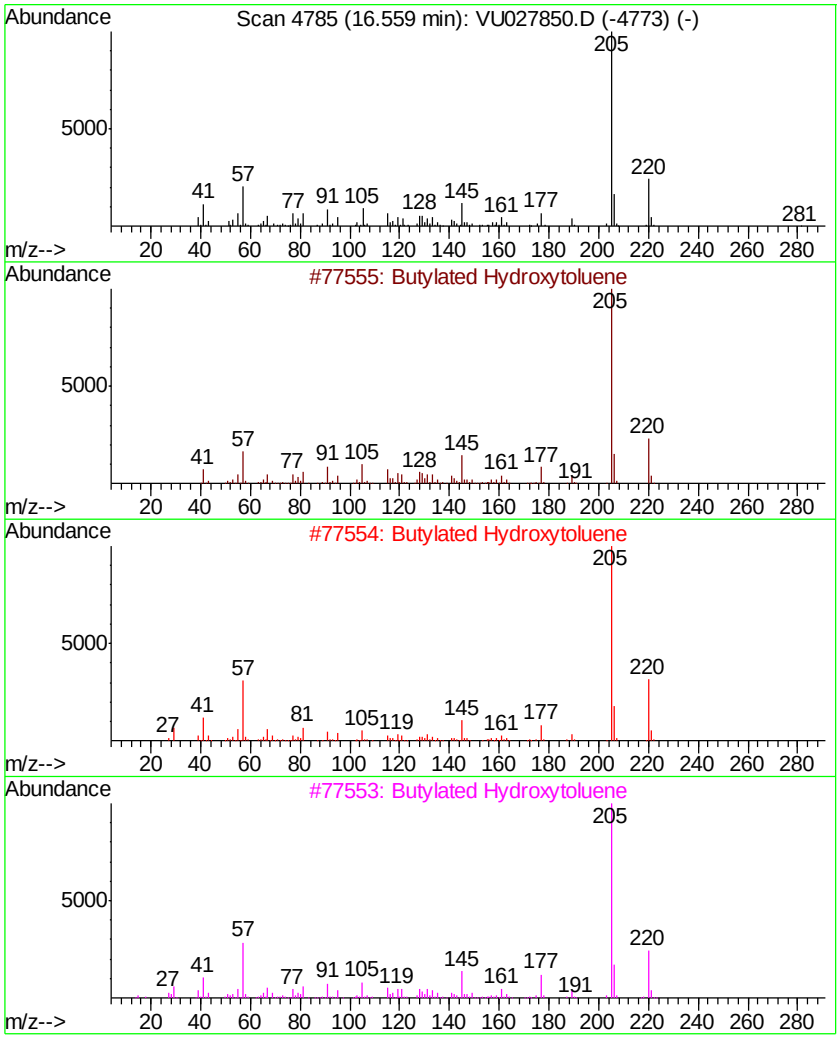
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

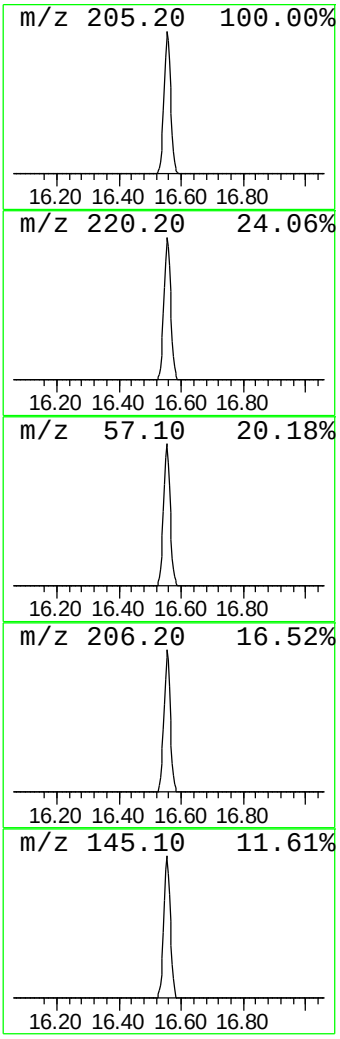
****

Peak Number 4 Butylated Hydroxytoluene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.56	27.31 ug/L	166109	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	95
4	Butylated Hydroxytoluene	220	C15H24O	000128-37-0	94
5	Phenol, 2,4,6-tris(1-methylethyl)-	220	C15H24O	002934-07-8	83





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102918\
Data File : VU027850.D
Acq On : 29 Oct 2018 12:58
Operator : MD/SY
Sample : J5668-03DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBP9DL

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

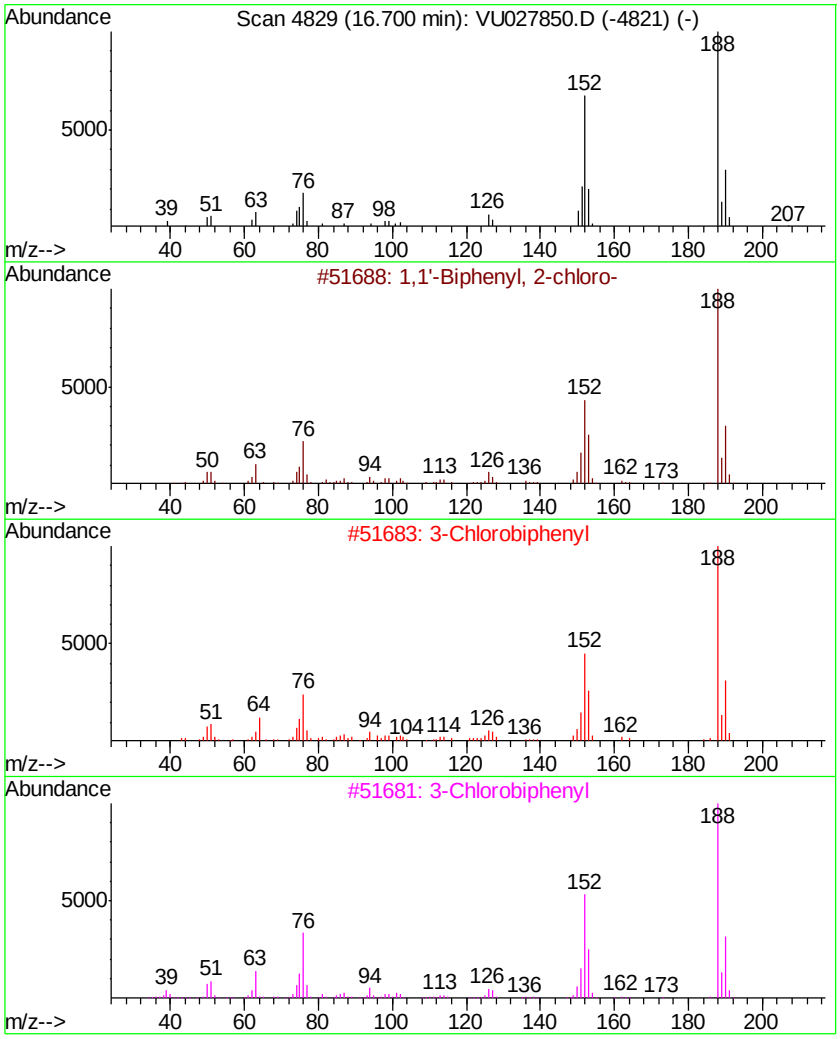
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

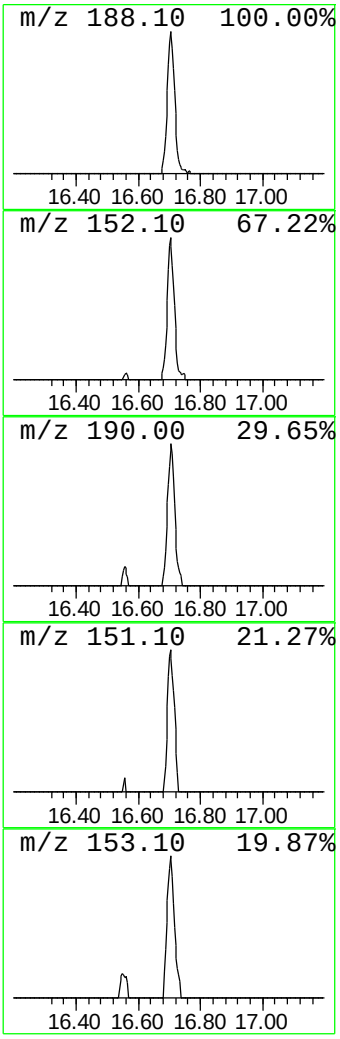
****

Peak Number 5 1,1'-Biphenyl, 2-chloro- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.70	4.83 ug/L	29364	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-chloro-	188	C12H9Cl	002051-60-7	94
2	3-Chlorobiphenyl	188	C12H9Cl	002051-61-8	93
3	3-Chlorobiphenyl	188	C12H9Cl	002051-61-8	93
4	1,1'-Biphenyl, 2-chloro-	188	C12H9Cl	002051-60-7	93
5	3-Chlorobiphenyl	188	C12H9Cl	002051-61-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102918\
Data File : VU027850.D
Acq On : 29 Oct 2018 12:58
Operator : MD/SY
Sample : J5668-03DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBP9DL

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

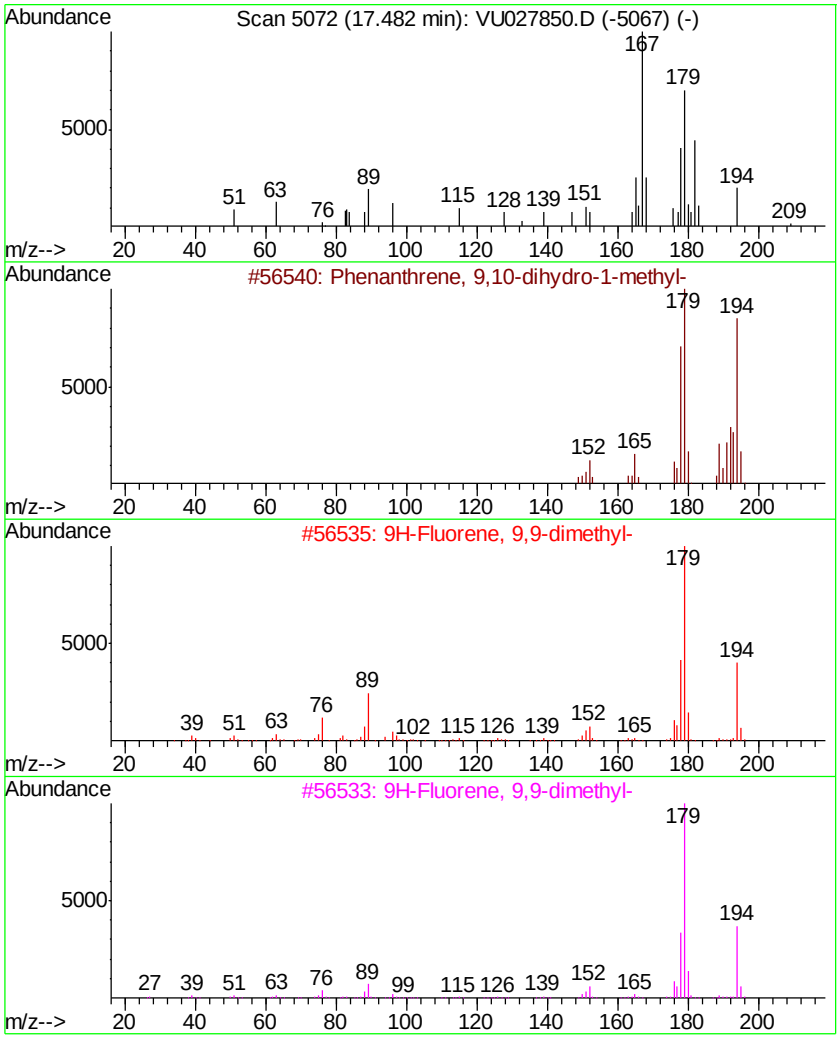
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

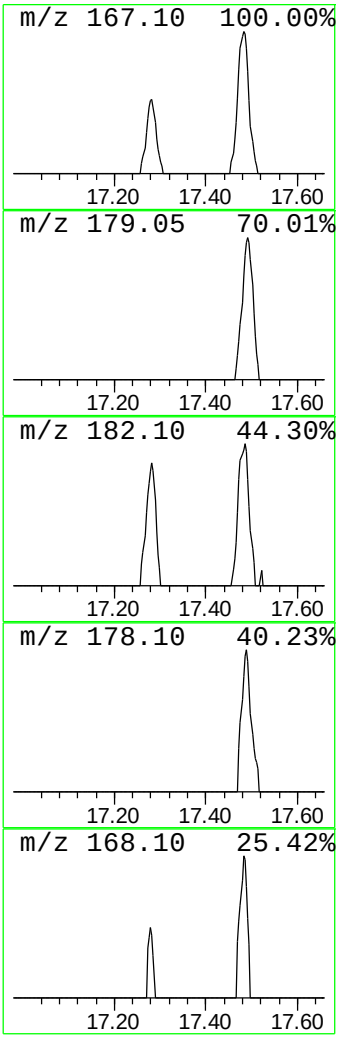
****

Peak Number 6 unknown-01 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.48	2.56 ug/L	15543	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 9,10-dihydro-1-met...	194	C15H14	095676-48-5	46
2	9H-Fluorene, 9,9-dimethyl-	194	C15H14	004569-45-3	46
3	9H-Fluorene, 9,9-dimethyl-	194	C15H14	004569-45-3	42
4	Benzene, 1,1'-ethylidenebis-	182	C14H14	000612-00-0	38
5	Benzene, 1-methyl-4-(phenylmethyl)-	182	C14H14	000620-83-7	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102918\
Data File : VU027850.D
Acq On : 29 Oct 2018 12:58
Operator : MD/SY
Sample : J5668-03DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBP9DL

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 2,3...	14.59	4.9	ug/L	29997	3	11.48	304082	50.0
Butylated Hydroxy...	16.56	27.3	ug/L	166109	3	11.48	304082	50.0
1,1'-Biphenyl, 2-...	16.70	4.8	ug/L	29364	3	11.48	304082	50.0
unknown-01	17.48	2.6	ug/L	15543	3	11.48	304082	50.0