LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102918\
Data File : VU027857.D
Acq On : 29 Oct 2018 15:40
Operator : MD/SY
Sample : J5716-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBT4

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	1.405	64	72	84	rBV2	196773	212825	33.70%	5.395%
2	1.521	103	108	113	rBV	5182	5075	0.80%	0.129%
3	1.681	151	158	173	rVB	39068	48734	7.72%	1.235%
4	2.276	332	343	353	rBV	80712	122761	19.44%	3.112%
5	2.447	386	396	415	rVB	5258	9623	1.52%	0.244%
6	2.617	447	449	451	rBV	298	141	0.02%	0.004%
7	2.633	452	454	457	rVB	220	108	0.02%	0.003%
8	2.675	465	467	469	rBV2	137	94	0.01%	0.002%
9	2.730	482	484	490	rVB	167	132	0.02%	0.003%
10	2.826	512	514	516	rBV2	165	95	0.02%	0.002%
11	2.897	532	536	540	rBV	96	103	0.02%	0.003%
12	2.990	560	565	568	rBV	284	318	0.05%	0.008%
13	3.160	609	618	621	rBV	104	151	0.02%	0.004%
14	3.405	691	694	700	rVB	110	84	0.01%	0.002%
15	3.437	700	704	705	rBV	255	137	0.02%	0.003%
16	3.633	761	765	770	rBV	79	96	0.02%	0.002%
17	3.701	781	786	790	rBV	194	265	0.04%	0.007%
18	3.784	809	812	819	rBV	75	85	0.01%	0.002%
19	3.842	828	830	832	rBV	141	97	0.02%	0.002%
20	3.868	835	838	841	rVV	123	98	0.02%	0.002%
21	4.064	896	899	903	rBV	157	184	0.03%	0.005%
22	4.106	908	912	917	rBB	171	212	0.03%	0.005%
23	4.131	918	920	922	rBV	127	94	0.01%	0.002%
24	4.228	922	950	980	rBV2	218889	631535	100.00%	16.009%
25	4.594	1061	1064	1066	rBV	167	141	0.02%	0.004%
26	4.652	1066	1082	1098	rBV	64260	149277	23.64%	3.784%
27	4.771	1116	1119	1122	rVB	184	111	0.02%	0.003%
28	4.839	1134	1140	1143	rBV2	161	160	0.03%	0.004%
29	4.858	1144	1146	1151	rVB	155	80	0.01%	0.002%
30	4.884	1151	1154	1158	rBV	230	243	0.04%	0.006%
31	5.019	1194	1196	1199	rBV	163	141	0.02%	0.004%
32	5.167	1239	1242	1246	rBV	176	189	0.03%	0.005%
33	5.196	1248	1251	1254	rVB	204	158	0.03%	0.004%
34	5.225	1255	1260	1262	rBV	151	155	0.02%	0.004%

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ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBT4

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	5.344	1273	1297	1319	rBV2	132175	392334	62.12%	9.946%
36	5.440	1325	1327	1333	rVB2	299	305	0.05%	0.008%
37	5.553	1359	1362	1364	rBV	139	124	0.02%	0.003%
38	5.742	1419	1421	1424	rVB	137	94	0.01%	0.002%
39	5.768	1425	1429	1431	rBV	172	164	0.03%	0.004%
40	5.794	1432	1437	1442	rVV2	252	359	0.06%	0.009%
41	5.887	1452	1466	1489	rBV	134189	264120	41.82%	6.695%
42	5.983	1493	1496	1503	rVB	183	215	0.03%	0.005%
43	6.112	1533	1536	1538	rBV	149	131	0.02%	0.003%
44	6.199	1558	1563	1568	rVB	83	93	0.01%	0.002%
45	6.334	1592	1605	1629	rBV	92847	181972	28.81%	4.613%
46	6.639	1694	1700	1704	rVB	118	124	0.02%	0.003%
47	6.864	1763	1770	1779	rVV3	995	1563	0.25%	0.040%
48	6.983	1804	1807	1813	rVB	102	94	0.01%	0.002%
49	7.090	1834	1840	1842	rBV	152	211	0.03%	0.005%
50	7.163	1859	1863	1866	rBV	196	201	0.03%	0.005%
51	7.231	1872	1884	1903	rBV	52249	92439	14.64%	2.343%
52	7.321	1909	1912	1915	rVB	180	137	0.02%	0.003%
53	7.344	1915	1919	1923	rBV	198	234	0.04%	0.006%
54	7.379	1927	1930	1932	rBV2	162	105	0.02%	0.003%
55	7.565	1975	1988	2004	rBV	177597	306877	48.59%	7.779%
56	7.694	2024	2028	2032	rBV2	355	378	0.06%	0.010%
57	7.720	2033	2036	2043	rVV	179	245	0.04%	0.006%
58	7.752	2044	2046	2051	rVB	88	87	0.01%	0.002%
59	7.852	2066	2077	2095	rBV	36763	61341	9.71%	1.555%
60	7.945	2105	2106	2109	rBV2	350	197	0.03%	0.005%
61	8.180	2167	2179	2193	rBV2	17606	42114	6.67%	1.068%
62	8.311	2210	2220	2259	rVB	135948	237474	37.60%	6.020%
63	8.614	2311	2314	2318	rBV	143	106	0.02%	0.003%
64	8.681	2332	2335	2338	rVB	177	104	0.02%	0.003%
65	8.752	2354	2357	2359	rBV2	171	98	0.02%	0.002%
66	8.765	2359	2361	2363	rVV	145	81	0.01%	0.002%
67	8.826	2376	2380	2382	rBV2	193	194	0.03%	0.005%
68	8.887	2396	2399	2401	rBV2	162	87	0.01%	0.002%
69	8.919	2406	2409	2410	rBV	230	152	0.02%	0.004%
70	9.028	2441	2443	2445	rBV	283	129	0.02%	0.003%
71	9.089	2450	2462	2483	rBV	198168	325864	51.60%	8.261%

LSC Area Percent Report

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ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBT4

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	9.948	2726	2729	2732	rBV3	405	257	0.04%	0.007%
73	10.009	2746	2748	2750	rVB	305	145	0.02%	0.004%
74	10.433	2868	2880	2895	rBV	118737	187538	29.70%	4.754%
75	10.517	2903	2906	2911	rBV	103	95	0.02%	0.002%
76	10.610	2925	2935	2949	rVB3	6071	11738	1.86%	0.298%
77	10.874	3013	3017	3025	rVB2	504	711	0.11%	0.018%
78	11.482	3195	3206	3223	rBV	189158	298478	47.26%	7.566%
79	11.597	3240	3242	3246	rVB	156	87	0.01%	0.002%
80	11.755	3283	3291	3299	rBV2	1247	1772	0.28%	0.045%
81	11.861	3310	3324	3342	rBV	170224	270010	42.75%	6.845%
82	12.160	3412	3417	3419	rBV	502	448	0.07%	0.011%
83	12.218	3419	3435	3436	rBV3	3077	4899	0.78%	0.124%
84	12.523	3528	3530	3542	rVB2	368	467	0.07%	0.012%
85	12.601	3552	3554	3559	rVB	217	177	0.03%	0.004%
86	13.170	3729	3731	3732	rBV	244	105	0.02%	0.003%
87	13.231	3747	3750	3753	rBV	501	439	0.07%	0.011%
88	13.507	3833	3836	3839	rBV	148	127	0.02%	0.003%
89	13.620	3869	3871	3876	rVB	237	119	0.02%	0.003%
90	13.687	3890	3892	3899	rVB	177	141	0.02%	0.004%
91	13.986	3982	3985	3987	rBV	212	146	0.02%	0.004%
92	14.195	4047	4050	4051	rBV	370	196	0.03%	0.005%
93	14.276	4068	4075	4085	rVB	5203	8550	1.35%	0.217%
94	14.388	4108	4110	4115	rVB2	164	118	0.02%	0.003%
95	14.414	4115	4118	4120	rBV	224	176	0.03%	0.004%
96	14.597	4148	4175	4177	rBV7	12621	32321	5.12%	0.819%
97	14.835	4246	4249	4250	rBV	145	82	0.01%	0.002%
98	15.880	4566	4574	4582	rBV3	1765	3134	0.50%	0.079%
99	16.555	4777	4784	4795	rVB	16694	23518	3.72%	0.596%
100	16.706	4826	4831	4841	rVB4	3346	4590	0.73%	0.116%

Sum of corrected areas: 3944833

LSC Report - Integrated Chromatogram

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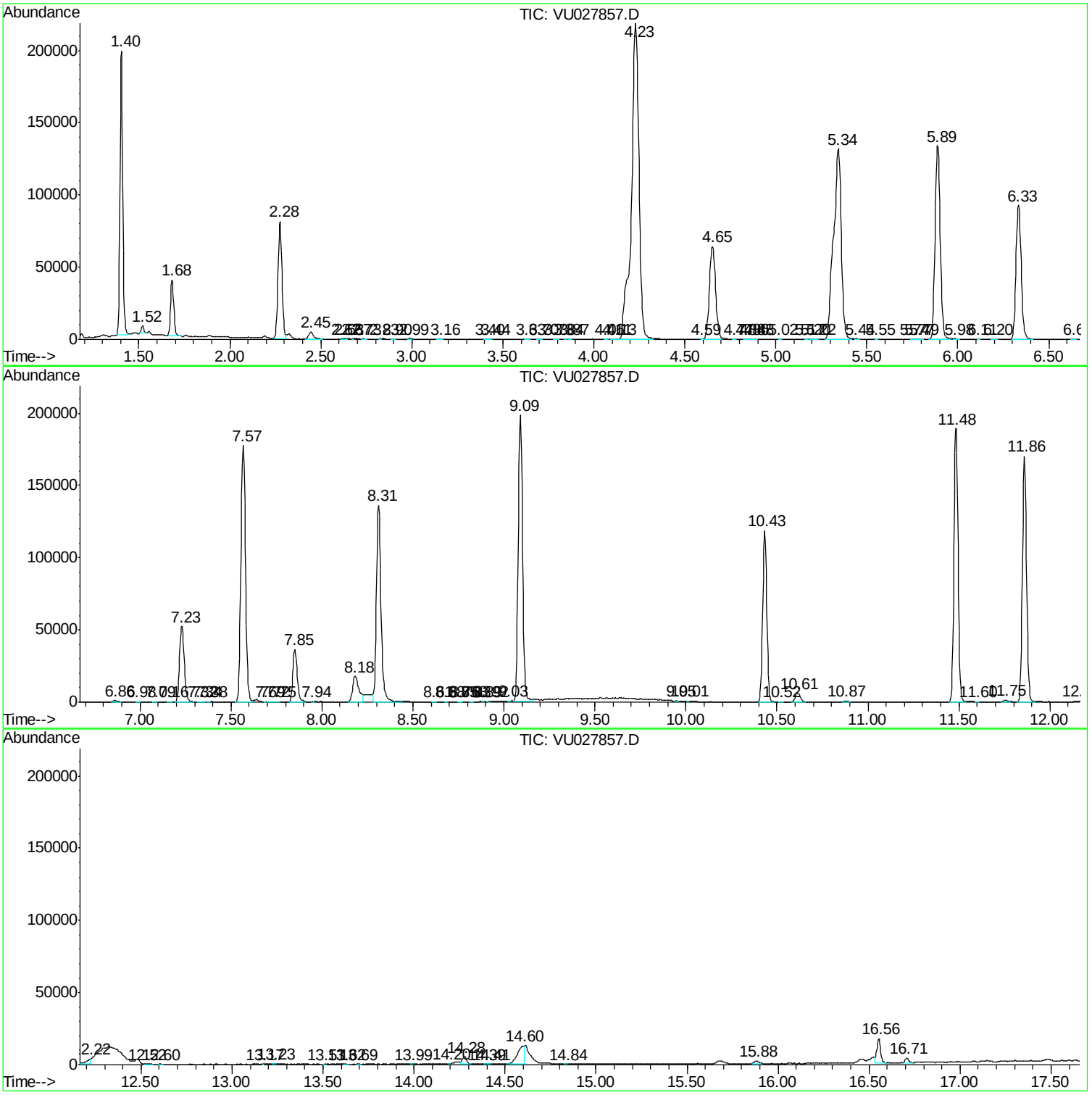
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBT4

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 : VU027857.D
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Quant Title : VOC Analysis

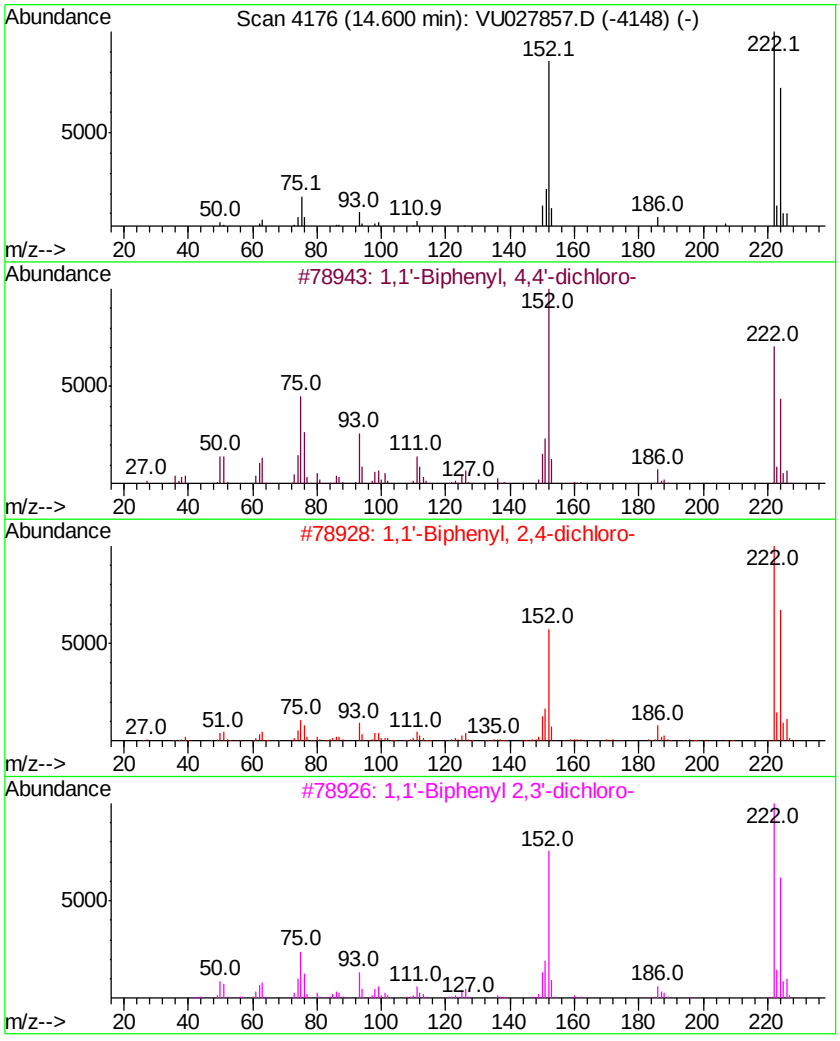
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

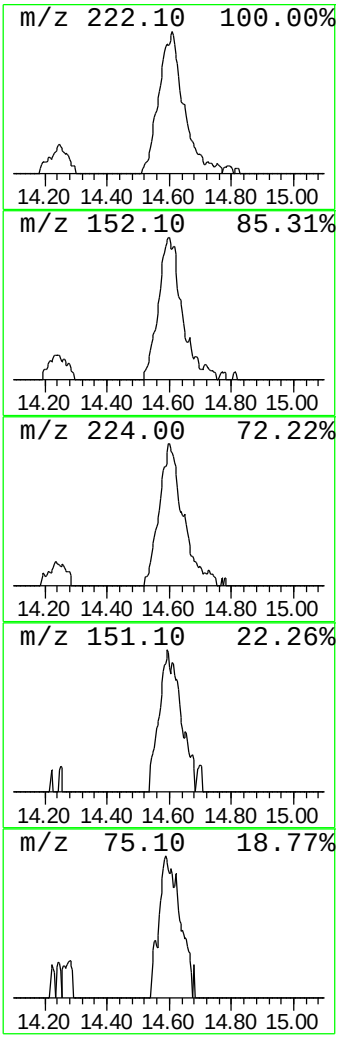
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.60	5.41 ug/L	32321	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 4,4'-dichloro-	222	C12H8Cl2	002050-68-2	97
2	1,1'-Biphenyl, 2,4-dichloro-	222	C12H8Cl2	033284-50-3	96
3	1,1'-Biphenyl 2,3'-dichloro-	222	C12H8Cl2	025569-80-6	96
4	1,1'-Biphenyl, 2,6-dichloro-	222	C12H8Cl2	033146-45-1	96
5	1,1'-Biphenyl, 3,5-dichloro-	222	C12H8Cl2	034883-41-5	96





Library Search Compound Report

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

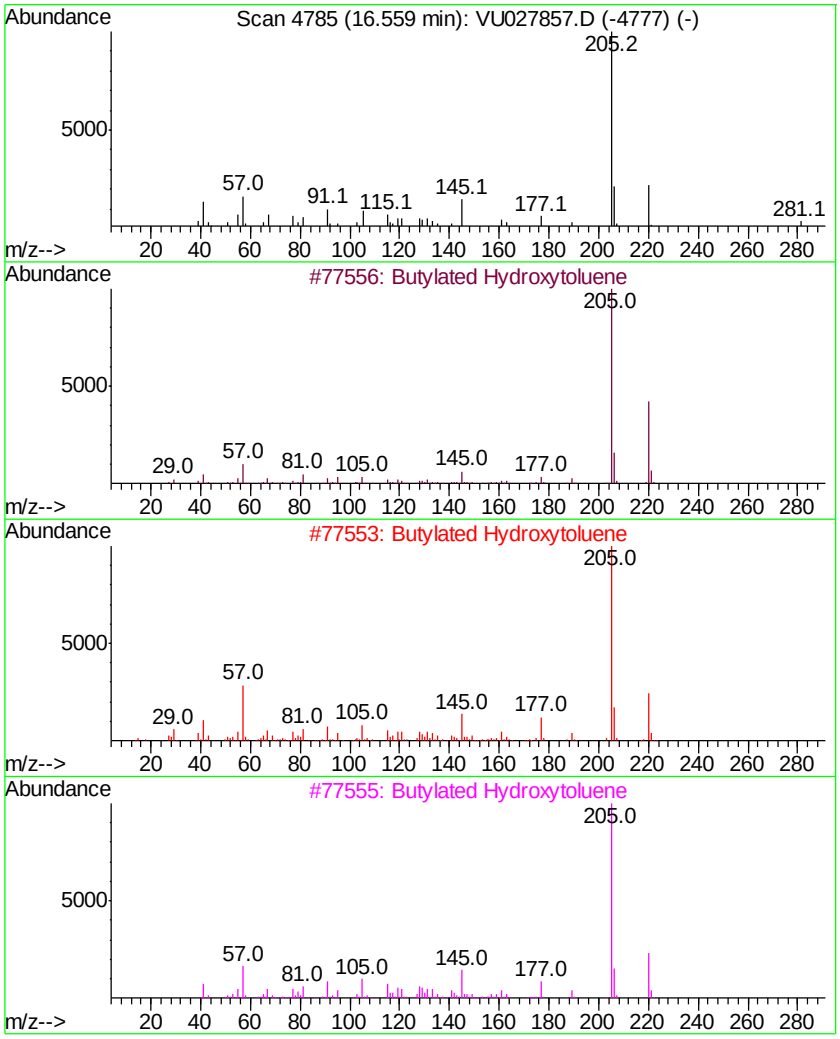
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

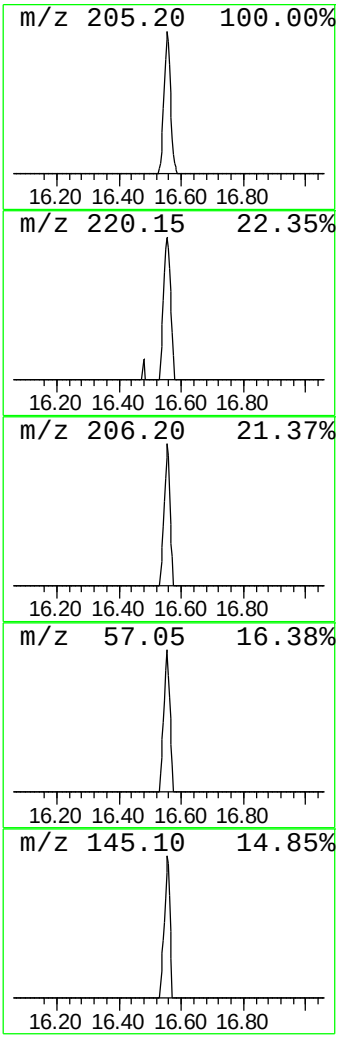
****

Peak Number 4 Butylated Hydroxytoluene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.56	3.94 ug/L	23518	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butylated Hydroxytoluene	220	C15H24O	000128-37-0	93
2	Butylated Hydroxytoluene	220	C15H24O	000128-37-0	91
3	Butylated Hydroxytoluene	220	C15H24O	000128-37-0	87
4	Butylated Hydroxytoluene	220	C15H24O	000128-37-0	87
5	Phenol, 4,6-di(1,1-dimethylethyl...	220	C15H24O	000616-55-7	83





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
1,1'-Biphenyl, 4,...	14.60	5.4	ug/L	32321	3	11.48	298478	50.0
Butylated Hydroxy...	16.56	3.9	ug/L	23518	3	11.48	298478	50.0