LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102918\
Data File : VU027851.D
Acq On : 29 Oct 2018 13:21
Operator : MD/SY
Sample : J5668-04RE
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBQ2RE

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	1.402	64	71	87	rBV2	155010	170261	21.12%	4.015%
2	1.682	151	158	178	rVB	38951	51018	6.33%	1.203%
3	2.276	332	343	354	rBV	82866	127275	15.79%	3.001%
4	2.444	385	395	408	rBV	3194	5393	0.67%	0.127%
5	2.617	445	449	451	rBV2	219	183	0.02%	0.004%
6	2.691	468	472	473	rBV2	139	92	0.01%	0.002%
7	2.845	516	520	524	rVB3	370	363	0.05%	0.009%
8	2.987	557	564	571	rBV4	1535	2170	0.27%	0.051%
9	3.447	704	707	712	rVV2	294	346	0.04%	0.008%
10	3.466	712	713	720	rVB	192	109	0.01%	0.003%
11	3.739	795	798	799	rBV	131	97	0.01%	0.002%
12	3.845	826	831	836	rBV	171	276	0.03%	0.007%
13	3.874	837	840	845	rVV	122	116	0.01%	0.003%
14	4.125	916	918	922	rBV	252	236	0.03%	0.006%
15	4.228	922	950	984	rVV2	290626	805970	100.00%	19.004%
16	4.379	995	997	1001	rVB2	251	160	0.02%	0.004%
17	4.559	1050	1053	1058	rBB	154	185	0.02%	0.004%
18	4.585	1059	1061	1063	rBV	135	94	0.01%	0.002%
19	4.649	1065	1081	1104	rVV2	65552	153689	19.07%	3.624%
20	4.746	1108	1111	1112	rBV	162	109	0.01%	0.003%
21	4.784	1119	1123	1126	rBV2	341	400	0.05%	0.009%
22	4.829	1134	1137	1139	rVV2	241	170	0.02%	0.004%
23	4.861	1143	1147	1152	rBV2	213	239	0.03%	0.006%
24	4.887	1152	1155	1156	rBV2	298	167	0.02%	0.004%
25	4.932	1166	1169	1172	rVB2	204	118	0.01%	0.003%
26	4.948	1172	1174	1178	rBV	172	158	0.02%	0.004%
27	5.250	1265	1268	1270	rBV	137	117	0.01%	0.003%
28	5.344	1274	1297	1318	rVV2	134206	397069	49.27%	9.363%
29	5.472	1334	1337	1340	rBB	228	151	0.02%	0.004%
30	5.681	1397	1402	1408	rBV	206	293	0.04%	0.007%
31	5.768	1426	1429	1432	rBV	246	204	0.03%	0.005%
32	5.842	1446	1452	1453	rBV	175	170	0.02%	0.004%
33	5.890	1453	1467	1486	rVV	133405	261060	32.39%	6.156%
34	6.016	1503	1506	1509	rVB	162	131	0.02%	0.003%

LSC Area Percent Report

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Operator : MD/SY
Sample : J5668-04RE
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBQ2RE

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	6.180	1554	1557	1560	rVV2	160	94	0.01%	0.002%
36	6.228	1569	1572	1575	rBV	148	155	0.02%	0.004%
37	6.334	1591	1605	1625	rBV	90534	181781	22.55%	4.286%
38	6.463	1642	1645	1650	rVB	229	147	0.02%	0.003%
39	6.604	1685	1689	1692	rBV	168	197	0.02%	0.005%
40	6.643	1698	1701	1704	rBB	155	128	0.02%	0.003%
41	6.665	1705	1708	1712	rBV	133	159	0.02%	0.004%
42	6.810	1748	1753	1756	rBV	83	93	0.01%	0.002%
43	6.861	1761	1769	1776	rBV4	1167	1893	0.23%	0.045%
44	6.913	1782	1785	1787	rBV	171	138	0.02%	0.003%
45	7.228	1869	1883	1904	rBV	55195	97888	12.15%	2.308%
46	7.363	1917	1925	1927	rBV	94	139	0.02%	0.003%
47	7.379	1927	1930	1932	rBV	157	123	0.02%	0.003%
48	7.434	1944	1947	1950	rBV	176	169	0.02%	0.004%
49	7.485	1957	1963	1966	rBV	152	235	0.03%	0.006%
50	7.566	1976	1988	2009	rBV	183462	314414	39.01%	7.414%
51	7.678	2021	2023	2026	rBV2	291	200	0.02%	0.005%
52	7.852	2067	2077	2092	rBV2	37672	63506	7.88%	1.497%
53	7.942	2101	2105	2107	rVV3	218	150	0.02%	0.004%
54	7.990	2116	2120	2124	rVB	211	220	0.03%	0.005%
55	8.012	2124	2127	2130	rBV	170	160	0.02%	0.004%
56	8.186	2167	2181	2190	rBV	17957	44568	5.53%	1.051%
57	8.311	2212	2220	2244	rVB	142734	251863	31.25%	5.939%
58	8.514	2281	2283	2285	rBV	222	115	0.01%	0.003%
59	8.588	2300	2306	2307	rBV	364	309	0.04%	0.007%
60	8.652	2318	2326	2330	rBV4	366	646	0.08%	0.015%
61	8.781	2364	2366	2368	rBV3	237	164	0.02%	0.004%
62	9.090	2451	2462	2479	rBV	197597	322958	40.07%	7.615%
63	10.064	2761	2765	2766	rBV2	350	284	0.04%	0.007%
64	10.135	2784	2787	2790	rBV2	240	144	0.02%	0.003%
65	10.192	2802	2805	2808	rBV	173	103	0.01%	0.002%
66	10.434	2867	2880	2897	rBV	116336	186120	23.09%	4.389%
67	10.620	2924	2938	2952	rVB2	13102	27650	3.43%	0.652%
68	10.733	2971	2973	2977	rBV2	171	131	0.02%	0.003%
69	10.874	3011	3017	3026	rVB2	605	940	0.12%	0.022%
70	11.376	3164	3173	3175	rBV	187	285	0.04%	0.007%
71	11.421	3184	3187	3190	rBV	117	91	0.01%	0.002%

LSC Area Percent Report

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Operator : MD/SY
Sample : J5668-04RE
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBQ2RE

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	3225	rVV	187746	292237	36.26%	6.891%
73	11.601	3241	3243	3246	rVB	181	125	0.02%	0.003%
74	11.749	3284	3289	3301	rBV4	965	1883	0.23%	0.044%
75	11.861	3312	3324	3340	rBV	170942	271037	33.63%	6.391%
76	11.970	3355	3358	3362	rVB	228	156	0.02%	0.004%
77	12.089	3389	3395	3398	rBV2	201	244	0.03%	0.006%
78	12.122	3402	3405	3406	rBV	295	174	0.02%	0.004%
79	12.479	3512	3516	3529	rVB2	9833	15230	1.89%	0.359%
80	12.604	3554	3555	3558	rBV	228	118	0.01%	0.003%
81	12.623	3559	3561	3563	rBV	231	137	0.02%	0.003%
82	12.662	3568	3573	3575	rBV3	599	545	0.07%	0.013%
83	12.752	3599	3601	3606	rVB2	301	221	0.03%	0.005%
84	12.784	3607	3611	3613	rBV2	225	170	0.02%	0.004%
85	13.173	3714	3732	3733	rBV2	1041	2073	0.26%	0.049%
86	13.324	3778	3779	3783	rVB	391	185	0.02%	0.004%
87	13.964	3975	3978	3980	rBV	210	131	0.02%	0.003%
88	13.999	3986	3989	3992	rBV	289	188	0.02%	0.004%
89	14.080	4012	4014	4017	rBV	233	173	0.02%	0.004%
90	14.234	4040	4062	4063	rBV4	3301	6084	0.75%	0.143%
91	14.279	4070	4076	4091	rVB	7712	13502	1.68%	0.318%
92	14.340	4091	4095	4098	rBV2	282	283	0.04%	0.007%
93	14.597	4148	4175	4203	rBV6	19595	91931	11.41%	2.168%
94	14.800	4235	4238	4243	rVB3	400	327	0.04%	0.008%
95	14.822	4243	4245	4247	rBV2	294	188	0.02%	0.004%
96	14.903	4266	4270	4274	rBV2	361	335	0.04%	0.008%
97	15.675	4504	4510	4512	rBV4	1319	1525	0.19%	0.036%
98	15.880	4568	4574	4587	rVB4	2644	4128	0.51%	0.097%
99	16.552	4775	4783	4796	rVB2	36311	53030	6.58%	1.250%
100	16.707	4825	4831	4842	rVB3	5050	7716	0.96%	0.182%

Sum of corrected areas: 4241025

LSC Report - Integrated Chromatogram

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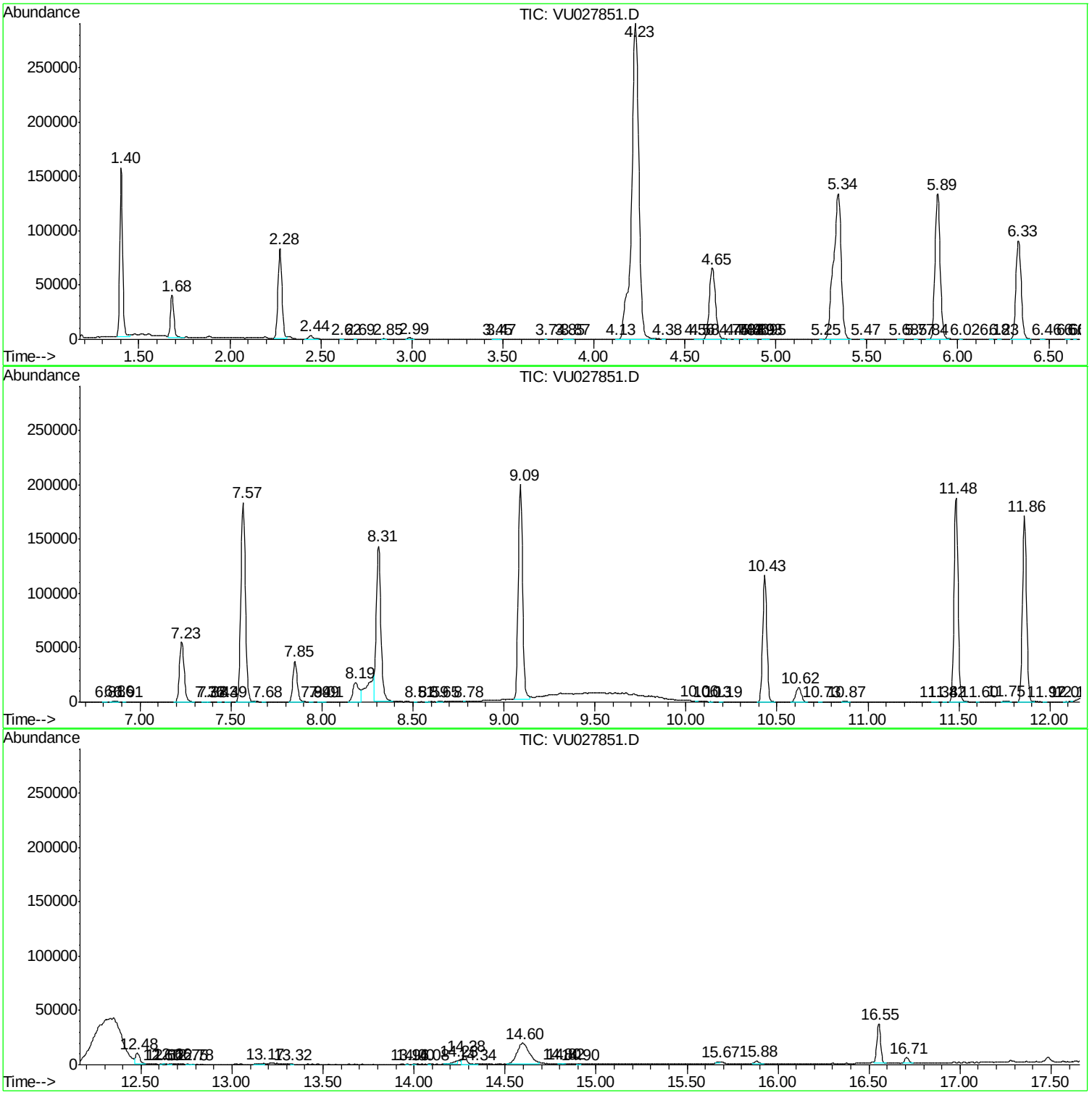
Acq On : 29 Oct 2018 13:21
Operator : MD/SY
Sample : J5668-04RE
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBQ2RE

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 : VU027851.D
Acq On : 29 Oct 2018 13:21
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ClientSampleId : ETBQ2RE

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

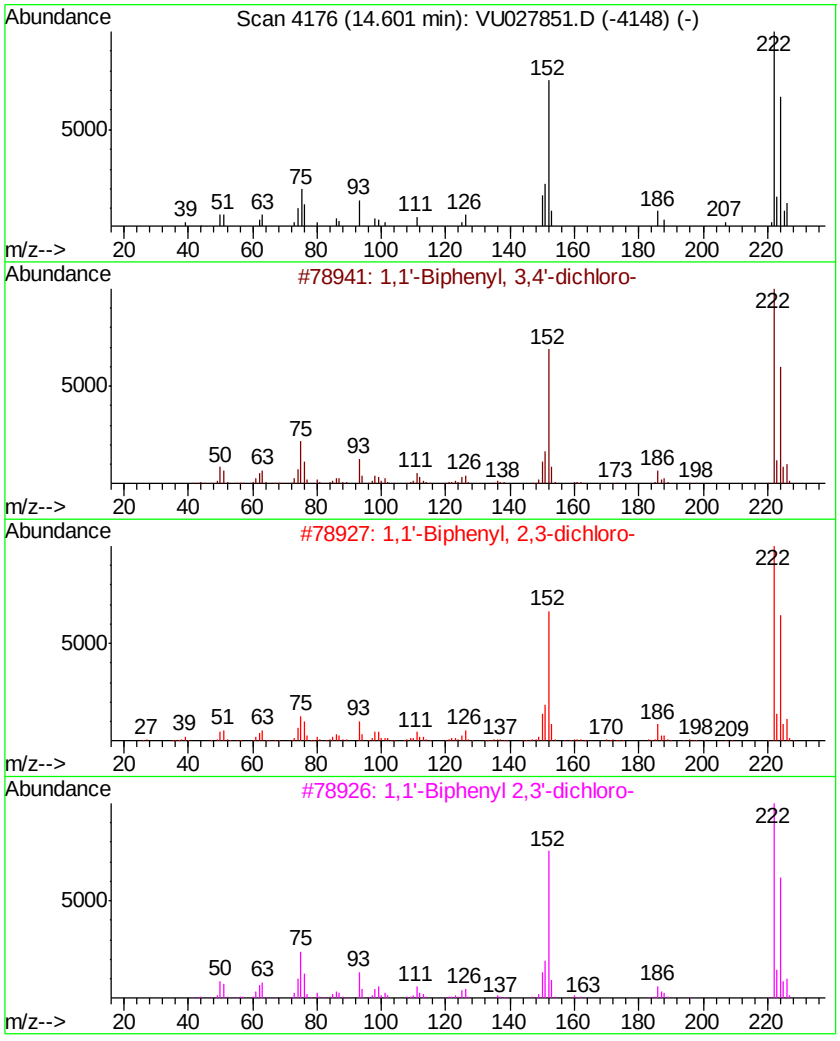
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

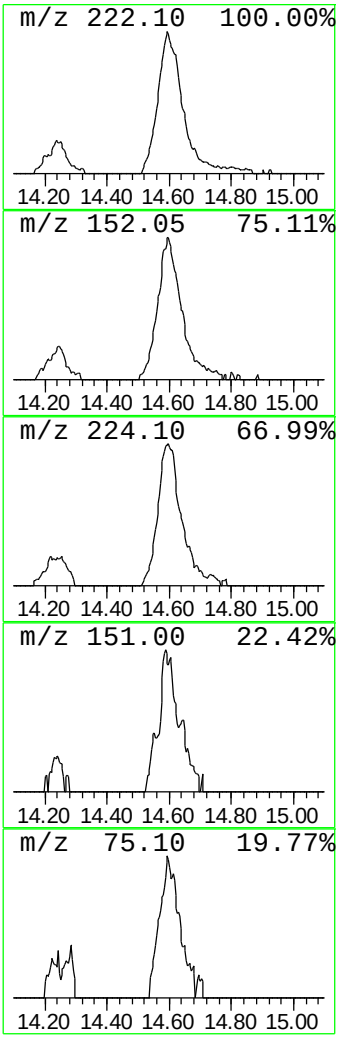
****

Peak Number 5 1,1'-Biphenyl, 3,4'-dichloro- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.60	15.73 ug/L	91931	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3,4'-dichloro-	222	C12H8Cl2	002974-90-5	99
2	1,1'-Biphenyl, 2,3-dichloro-	222	C12H8Cl2	016605-91-7	99
3	1,1'-Biphenyl 2,3'-dichloro-	222	C12H8Cl2	025569-80-6	99
4	1,1'-Biphenyl, 3,4-dichloro-	222	C12H8Cl2	002974-92-7	99
5	1,1'-Biphenyl, 2,4'-dichloro-	222	C12H8Cl2	034883-43-7	99





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102918\
Data File : VU027851.D
Acq On : 29 Oct 2018 13:21
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Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETBQ2RE

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

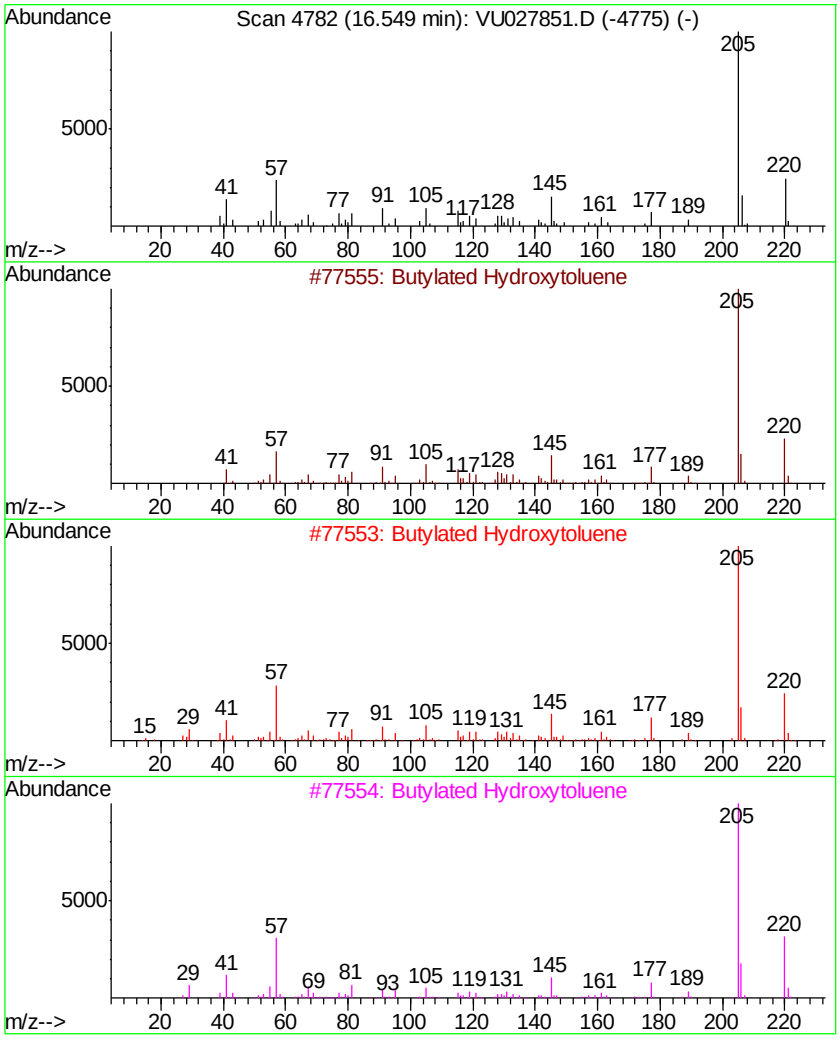
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

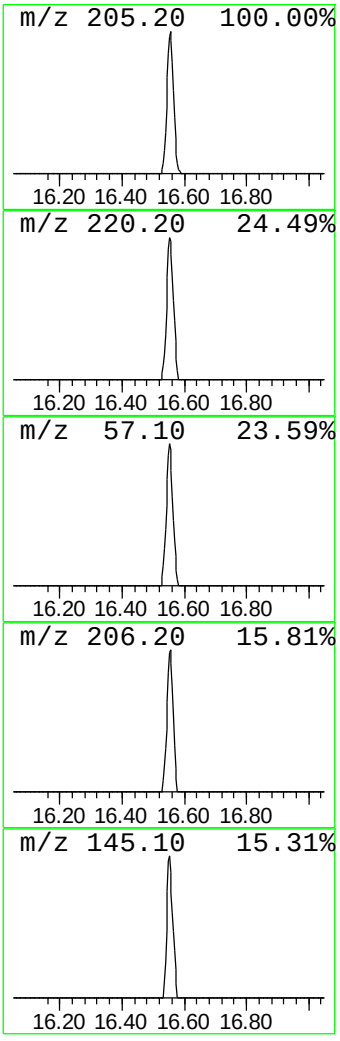
****

Peak Number 6 Butylated Hydroxytoluene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.55	9.07 ug/L	53030	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	98
3	Butylated Hydroxytoluene	220	C15H24O	000128-37-0	97
4	Butylated Hydroxytoluene	220	C15H24O	000128-37-0	93
5	Phenol, 2,4,6-tris(1-methylethyl)-	220	C15H24O	002934-07-8	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, 3,...	14.60	15.7	ug/L	91931	3	11.48	292237	50.0
Butylated Hydroxy...	16.55	9.1	ug/L	53030	3	11.48	292237	50.0