

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
 Data File : VY003760.D
 Acq On : 14 Dec 2020 19:57
 Operator : SY/MD
 Sample : VIBLK66
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK66

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 0 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM121420S.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	1.863	5	7	12	rVB2	1930	2067	0.13%	0.017%
2	2.058	35	39	45	rBV2	2101	3844	0.24%	0.032%
3	2.119	45	49	51	rBV4	1457	2145	0.13%	0.018%
4	2.168	54	57	59	rBV4	979	1070	0.07%	0.009%
5	2.247	63	70	81	rBV	123920	200586	12.59%	1.669%
6	2.394	92	94	97	rVB4	1271	1356	0.09%	0.011%
7	2.430	97	100	102	rBV3	1073	1371	0.09%	0.011%
8	2.479	107	108	111	rBV3	1154	1524	0.10%	0.013%
9	2.534	111	117	119	rBV7	4612	8545	0.54%	0.071%
10	2.631	131	133	135	rVV3	1174	1110	0.07%	0.009%
11	2.662	135	138	142	rVB5	1620	2339	0.15%	0.019%
12	2.765	148	155	167	rVB	85512	178026	11.18%	1.481%
13	2.912	176	179	181	rBV4	972	1187	0.07%	0.010%
14	3.003	192	194	197	rBV4	769	710	0.04%	0.006%
15	3.137	211	216	221	rBV4	582	1104	0.07%	0.009%
16	3.204	224	227	228	rBV2	639	704	0.04%	0.006%
17	3.259	230	236	241	rBV3	2140	4436	0.28%	0.037%
18	3.296	241	242	245	rVB	750	633	0.04%	0.005%
19	3.479	270	272	276	rVB3	569	731	0.05%	0.006%
20	3.558	283	285	288	rBV3	559	579	0.04%	0.005%
21	3.692	303	307	309	rBV3	435	554	0.03%	0.005%
22	3.759	314	318	321	rBV2	441	665	0.04%	0.006%
23	3.863	323	335	350	rBV	191580	518050	32.53%	4.311%
24	4.094	369	373	380	rVB5	718	1379	0.09%	0.011%
25	4.216	386	393	401	rVV6	1843	5921	0.37%	0.049%
26	4.332	407	412	417	rVB4	514	926	0.06%	0.008%
27	4.369	417	418	422	rBV3	387	623	0.04%	0.005%
28	4.722	466	476	490	rBV3	18268	61465	3.86%	0.511%
29	4.942	502	512	525	rVB6	2590	10796	0.68%	0.090%
30	5.564	607	614	615	rBV5	1307	2146	0.13%	0.018%
31	5.576	615	616	626	rVB4	1692	2311	0.15%	0.019%
32	5.759	637	646	655	rVB6	3085	10292	0.65%	0.086%
33	6.746	805	808	811	rVB4	541	727	0.05%	0.006%
34	6.899	822	833	841	rBV	58655	162379	10.19%	1.351%

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35	6.996	841	849	870	rVB	35063	122284	7.68%	1.018%
36	7.338	904	905	907	rBV2	734	642	0.04%	0.005%
37	7.362	907	909	912	rVV4	721	750	0.05%	0.006%
38	7.387	912	913	917	rVB3	703	583	0.04%	0.005%
39	7.490	917	930	941	rBV	210267	522903	32.83%	4.351%
40	7.697	958	964	966	rBV3	1823	2930	0.18%	0.024%
41	7.783	973	978	980	rBV2	658	959	0.06%	0.008%
42	7.886	993	995	997	rVV	687	582	0.04%	0.005%
43	7.911	997	999	1002	rVB3	771	841	0.05%	0.007%
44	8.118	1022	1033	1050	rBV3	545334	1592760	100.00%	13.253%
45	8.240	1050	1053	1054	rBV3	889	657	0.04%	0.005%
46	8.417	1080	1082	1085	rVB4	826	920	0.06%	0.008%
47	8.453	1085	1088	1089	rBV3	724	766	0.05%	0.006%
48	8.484	1089	1093	1096	rVB5	683	916	0.06%	0.008%
49	8.514	1096	1098	1099	rBV3	793	534	0.03%	0.004%
50	8.533	1099	1101	1104	rVB4	551	563	0.04%	0.005%
51	8.588	1108	1110	1111	rBV2	654	529	0.03%	0.004%
52	8.697	1118	1128	1138	rBV	393046	805388	50.57%	6.702%
53	8.764	1138	1139	1142	rBV2	671	568	0.04%	0.005%
54	8.825	1147	1149	1151	rBV3	702	850	0.05%	0.007%
55	8.862	1153	1155	1158	rBV4	501	686	0.04%	0.006%
56	8.929	1159	1166	1172	rVV2	16855	34725	2.18%	0.289%
57	9.039	1180	1184	1187	rVB5	893	1572	0.10%	0.013%
58	9.124	1188	1198	1208	rBV	298025	601798	37.78%	5.008%
59	9.203	1208	1211	1215	rVB6	1497	2201	0.14%	0.018%
60	9.368	1234	1238	1239	rBV4	2200	3350	0.21%	0.028%
61	9.386	1239	1241	1243	rVV3	2467	1900	0.12%	0.016%
62	9.435	1246	1249	1250	rBV3	1481	1485	0.09%	0.012%
63	9.453	1250	1252	1253	rBV2	1570	1492	0.09%	0.012%
64	9.624	1273	1280	1284	rBV8	4807	11734	0.74%	0.098%
65	9.752	1295	1301	1305	rBV4	6891	13317	0.84%	0.111%
66	9.892	1318	1324	1334	rVB	199691	350866	22.03%	2.920%
67	10.075	1349	1354	1356	rBV4	2681	4565	0.29%	0.038%
68	10.179	1364	1371	1380	rBV	663144	1114592	69.98%	9.275%
69	10.441	1408	1414	1421	rVB	133974	225369	14.15%	1.875%
70	10.581	1430	1437	1444	rVB	105564	189258	11.88%	1.575%
71	10.715	1455	1459	1464	rVB8	4339	6314	0.40%	0.053%

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72	10.788	1465	1471	1479	rVB	251843	388201	24.37%	3.230%
73	10.953	1492	1498	1505	rBV2	31294	63437	3.98%	0.528%
74	11.038	1510	1512	1518	rVB5	6840	10820	0.68%	0.090%
75	11.270	1546	1550	1552	rBV5	5744	7438	0.47%	0.062%
76	11.319	1552	1558	1564	rVV	59275	100119	6.29%	0.833%
77	11.489	1579	1586	1594	rBV	625413	992125	62.29%	8.255%
78	12.416	1729	1738	1739	rBV7	21741	56034	3.52%	0.466%
79	12.489	1745	1750	1756	rVB	120968	216921	13.62%	1.805%
80	12.556	1756	1761	1770	rVB	259397	437971	27.50%	3.644%
81	12.965	1815	1828	1838	rBV3	100531	431522	27.09%	3.591%
82	13.105	1842	1851	1861	rVB6	39103	168669	10.59%	1.403%
83	13.422	1897	1903	1912	rBV	655508	1009214	63.36%	8.398%
84	13.660	1936	1942	1943	rBV4	23378	41319	2.59%	0.344%
85	13.721	1946	1952	1959	rVB	593083	941514	59.11%	7.834%
86	13.965	1988	1992	1995	rBV3	25049	37486	2.35%	0.312%
87	14.678	2103	2109	2110	rBV6	9544	18272	1.15%	0.152%
88	14.873	2134	2141	2148	rBV2	14142	43504	2.73%	0.362%
89	15.050	2165	2170	2176	rBV7	13829	30964	1.94%	0.258%
90	15.312	2207	2213	2221	rVB5	20287	50270	3.16%	0.418%
91	15.409	2223	2229	2230	rBV6	9744	16697	1.05%	0.139%
92	15.641	2265	2267	2269	rBV3	2688	3208	0.20%	0.027%
93	15.733	2278	2282	2292	rVB7	11535	29949	1.88%	0.249%
94	15.885	2302	2307	2310	rBV5	5783	11675	0.73%	0.097%
95	16.031	2326	2331	2336	rBV9	5683	10577	0.66%	0.088%
96	16.287	2368	2373	2378	rVV2	15034	28070	1.76%	0.234%
97	16.336	2378	2381	2388	rVB7	5586	11996	0.75%	0.100%
98	16.489	2397	2406	2413	rBV3	15444	40832	2.56%	0.340%
99	16.543	2413	2415	2418	rVV3	1568	1792	0.11%	0.015%
100	16.696	2437	2440	2442	rBV4	2113	2756	0.17%	0.023%

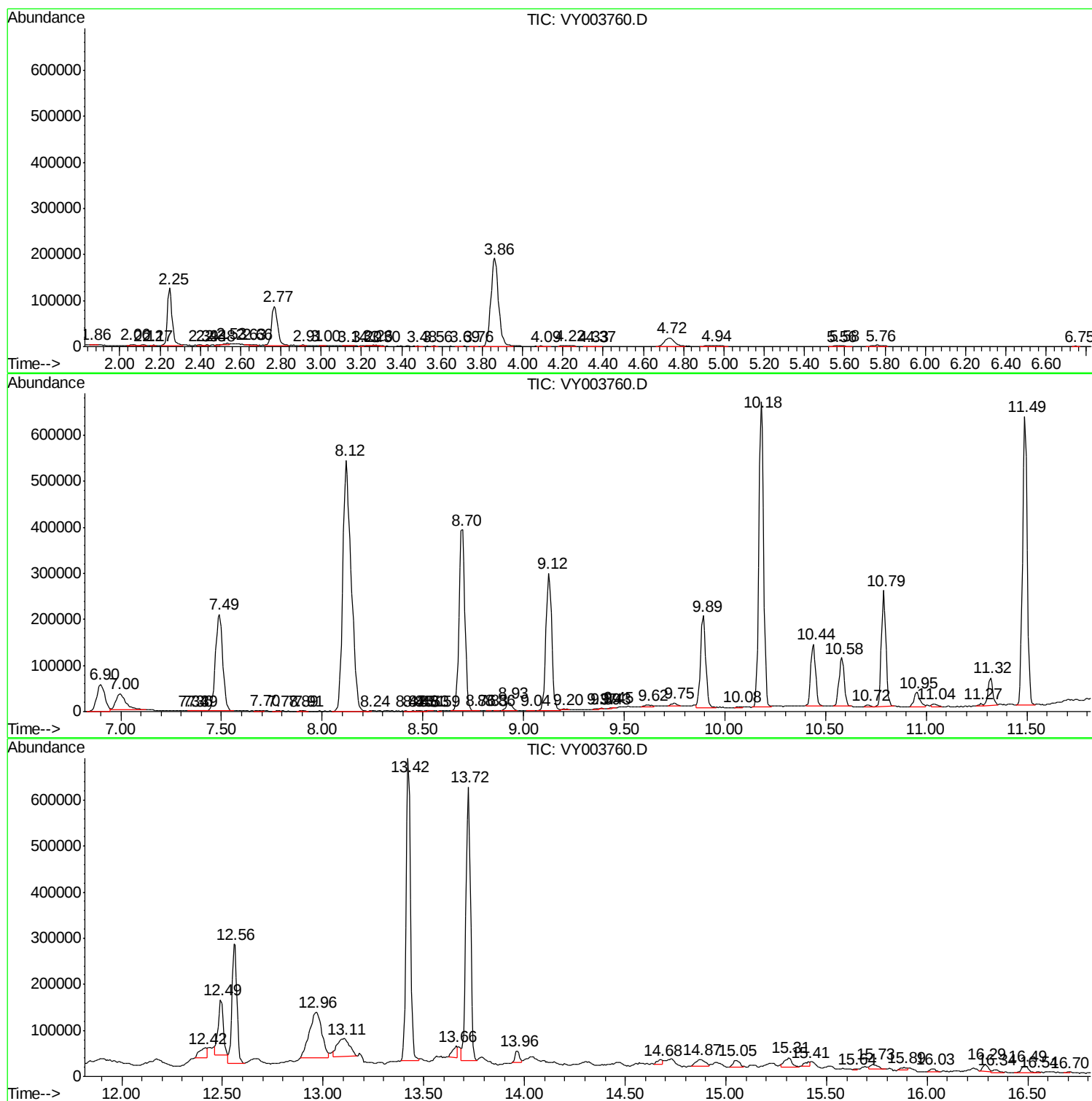
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM121420S.M
Quant Title : VOC Analysis

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



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Instrument :
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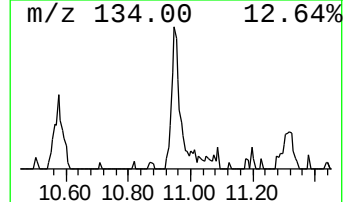
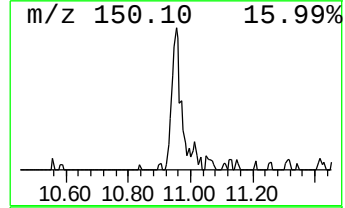
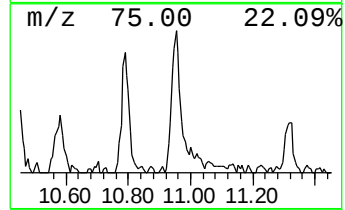
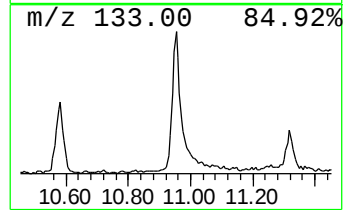
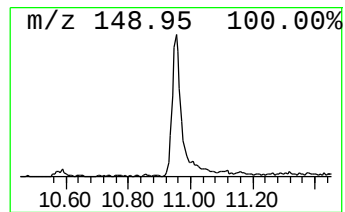
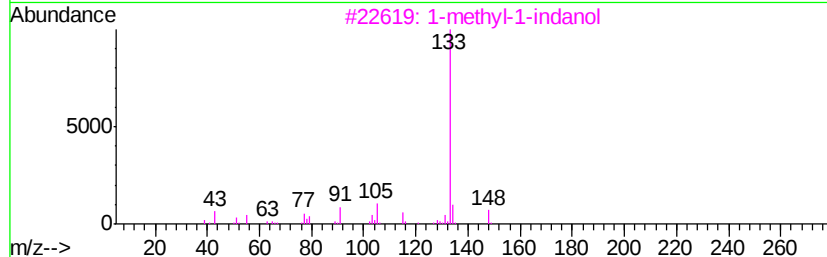
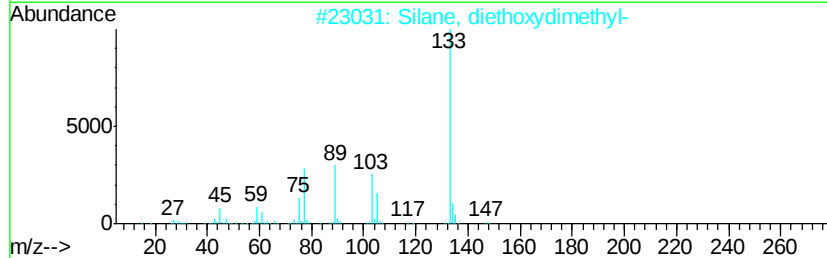
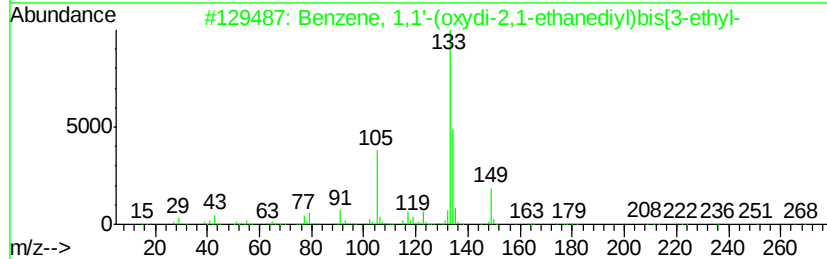
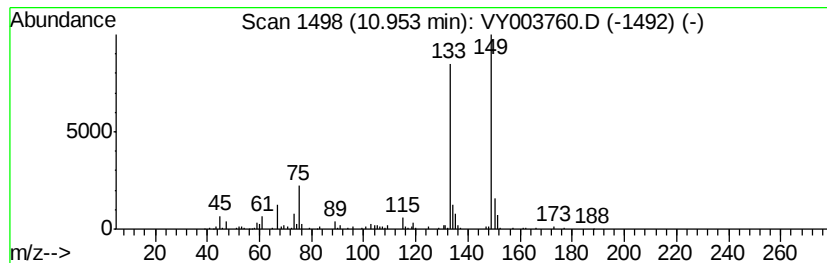
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM121420S.M
Quant Title : VOC Analysis

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

Peak Number 4 unknown-01 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.95	1.60 ug/L	63437	Chlorobenzene-d5	11.49

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, 1,1'-(oxvdi-2,1-ethaned...	282	C20H26O	055044-09-2	45
2		Silane, diethoxydimethyl-	148	C6H16O2Si	000078-62-6	35
3		1-methyl-1-indanol	148	C10H12O	064666-42-8	27
4		Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	27
5		4-Ethylbenzoic acid, phenyl ester	226	C15H14O2	118388-89-9	27



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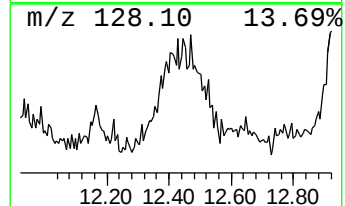
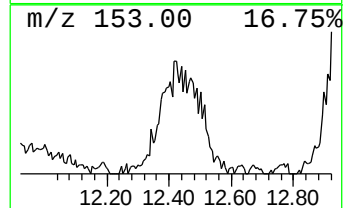
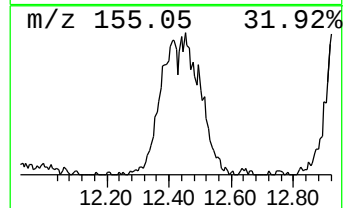
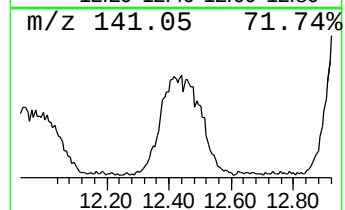
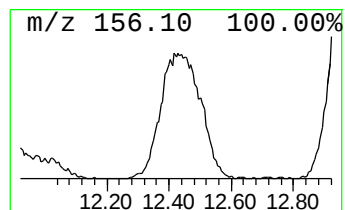
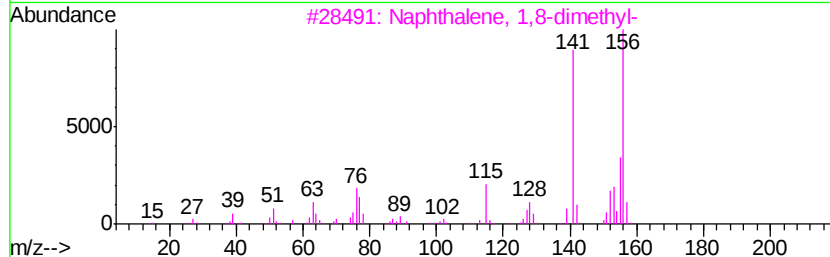
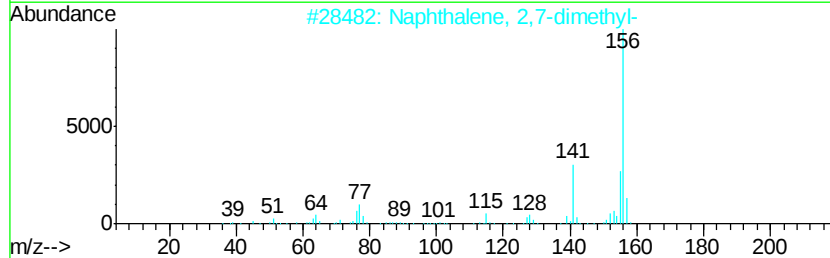
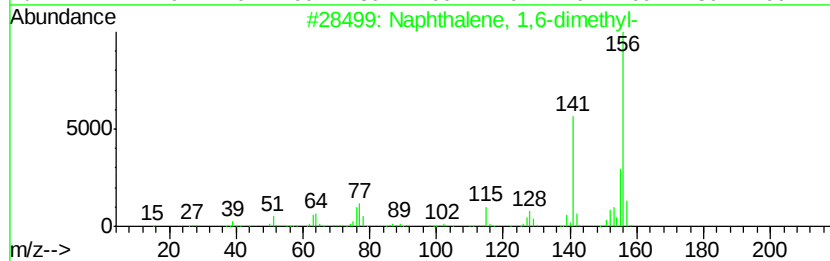
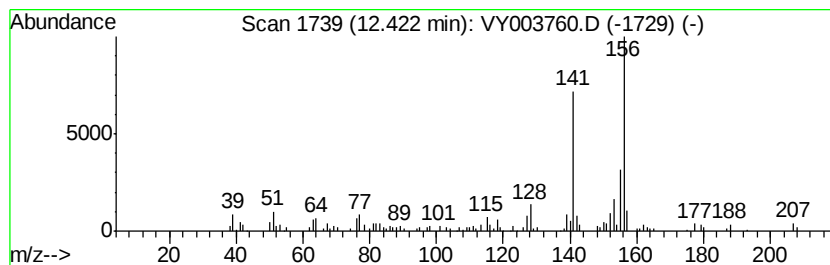
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Quant Title : VOC Analysis

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

Peak Number 6 Naphthalene, 1,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	1.41 ug/L	56034	Chlorobenzene-d5	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	91
2		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	91
3		Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	91
4		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	90
5		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	87



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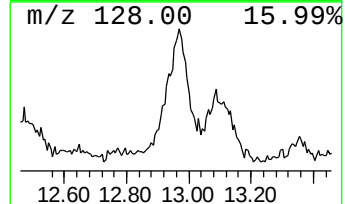
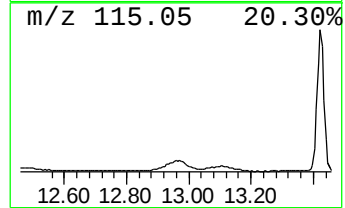
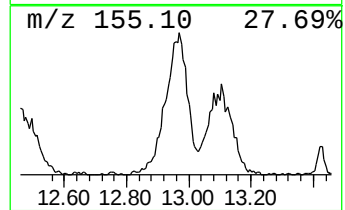
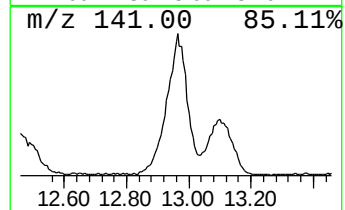
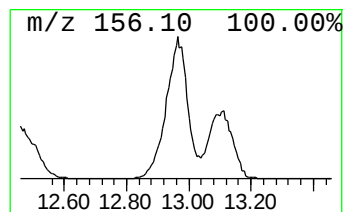
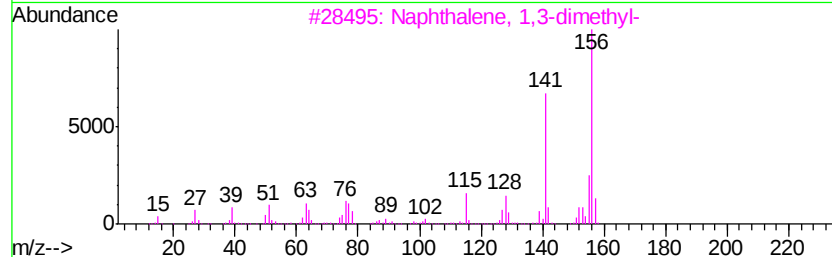
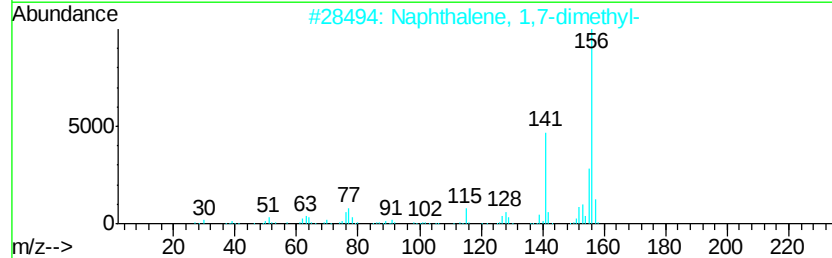
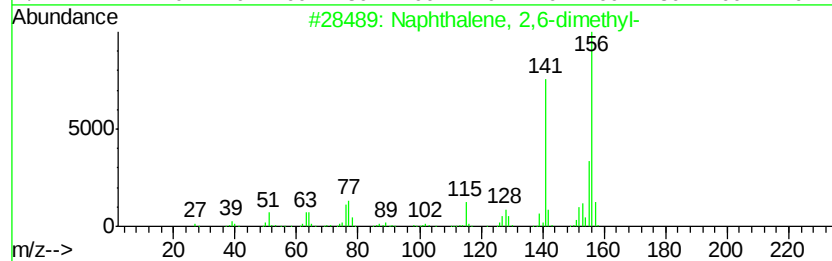
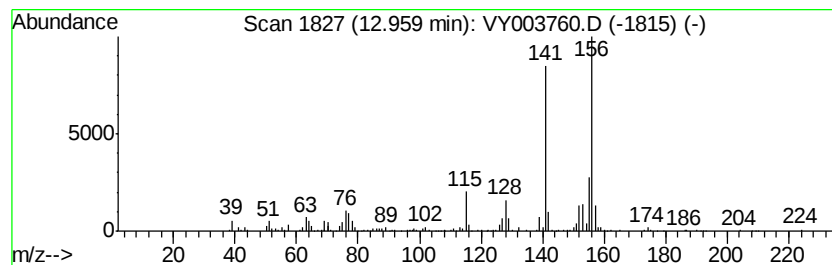
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Quant Title : VOC Analysis

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Peak Number 8 Naphthalene, 2,6-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	10.69 ug/L	431522	1,4-Dichlorobenzene-d4	13.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2,6-dimethyl-	156 C12H12	000581-42-0 97
2		Naphthalene, 1,7-dimethyl-	156 C12H12	000575-37-1 97
3		Naphthalene, 1,3-dimethyl-	156 C12H12	000575-41-7 97
4		Naphthalene, 1,4-dimethyl-	156 C12H12	000571-58-4 97
5		Naphthalene, 1,7-dimethyl-	156 C12H12	000575-37-1 97



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003760.D
Acq On : 14 Dec 2020 19:57
Operator : SY/MD
Sample : VIBLK66
Misc : 5.00G/10ML/MSVOA Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

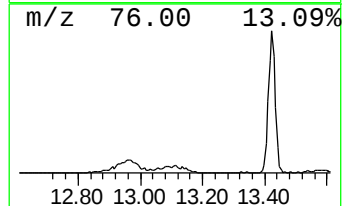
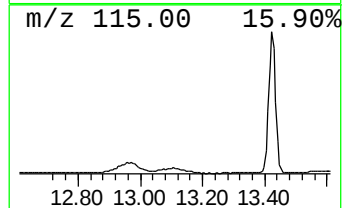
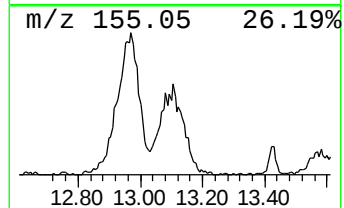
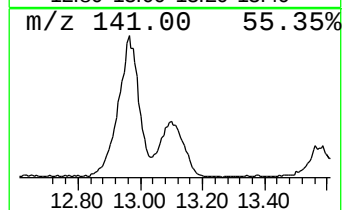
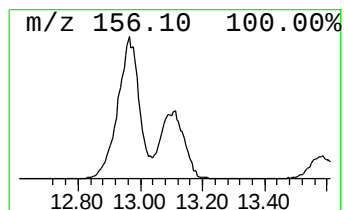
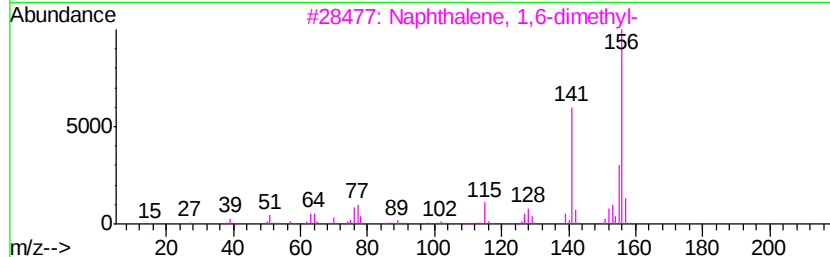
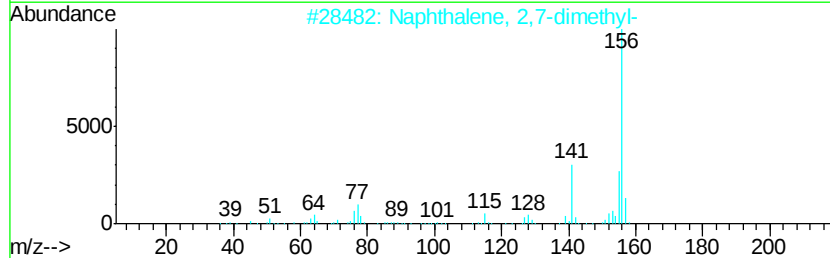
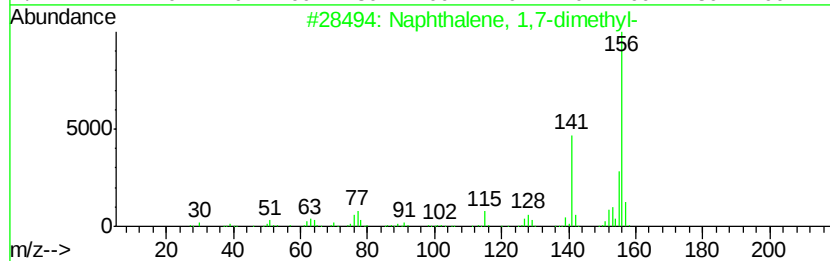
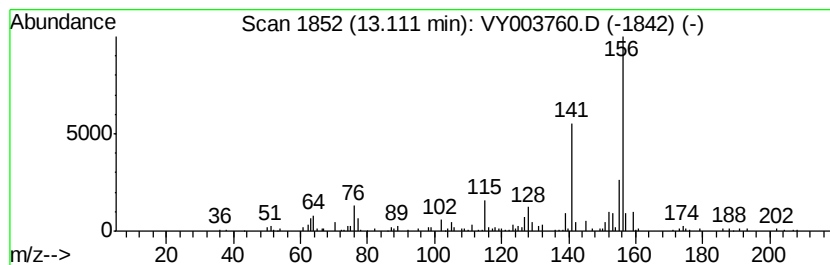
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK66

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM121420S.M
Quant Title : VOC Analysis

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

Peak Number 9 Naphthalene, 1,7-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.11	4.18 ug/L	168669	1,4-Dichlorobenzene-d4	13.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1,7-dimethyl-	156 C12H12	000575-37-1 93
2		Naphthalene, 2,7-dimethyl-	156 C12H12	000582-16-1 93
3		Naphthalene, 1,6-dimethyl-	156 C12H12	000575-43-9 93
4		Naphthalene, 1,5-dimethyl-	156 C12H12	000571-61-9 93
5		Naphthalene, 2,7-dimethyl-	156 C12H12	000582-16-1 93



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY121420\
Data File : VY003760.D
Acq On : 14 Dec 2020 19:57
Operator : SY/MD
Sample : VIBLK66
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK66

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM121420S.M
Quant Title : VOC Analysis

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown-01	10.95	1.6	ug/L	63437	2	11.49	992125	25.0
Naphthalene, 1,6-...	12.42	1.4	ug/L	56034	2	11.49	992125	25.0
Naphthalene, 2,6-...	12.96	10.7	ug/L	431522	3	13.42	1009210	25.0
Naphthalene, 1,7-...	13.11	4.2	ug/L	168669	3	13.42	1009210	25.0