

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
 Data File : VY003755.D
 Acq On : 14 Dec 2020 18:03
 Operator : SY/MD
 Sample : L5063-05RE
 Misc : 4.19G/10ML/MSVOA Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 C0AD7RE

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	2.058	36	39	45	rVB6	1986	3591	0.16%	0.013%
2	2.107	45	47	49	rBV3	1122	994	0.04%	0.004%
3	2.247	64	70	81	rVV	88333	144087	6.52%	0.512%
4	2.534	111	117	120	rBV6	3120	7039	0.32%	0.025%
5	2.705	143	145	147	rBV3	871	603	0.03%	0.002%
6	2.772	149	156	165	rVB	63663	128857	5.83%	0.458%
7	2.985	189	191	195	rBV5	879	954	0.04%	0.003%
8	3.040	199	200	202	rBV2	908	811	0.04%	0.003%
9	3.253	229	235	240	rBV5	1071	2608	0.12%	0.009%
10	3.320	244	246	249	rVV4	525	637	0.03%	0.002%
11	3.381	253	256	257	rVV3	459	585	0.03%	0.002%
12	3.863	323	335	346	rBV2	131433	355768	16.10%	1.264%
13	4.210	387	392	393	rVV4	1081	1581	0.07%	0.006%
14	4.229	393	395	398	rVV4	1078	1251	0.06%	0.004%
15	4.723	467	476	489	rBV2	6670	21663	0.98%	0.077%
16	5.759	637	646	657	rVB5	1676	5799	0.26%	0.021%
17	6.045	687	693	695	rBV4	354	610	0.03%	0.002%
18	6.899	823	833	842	rBV2	39585	112184	5.08%	0.399%
19	6.997	843	849	866	rVB	13194	47174	2.13%	0.168%
20	7.350	906	907	910	rBV2	518	633	0.03%	0.002%
21	7.490	919	930	944	rVB	150913	381880	17.28%	1.357%
22	7.594	944	947	952	rVB3	401	622	0.03%	0.002%
23	7.691	956	963	964	rBV3	1566	2212	0.10%	0.008%
24	7.783	975	978	980	rBV4	950	1188	0.05%	0.004%
25	8.118	1022	1033	1050	rVB2	338883	978867	44.29%	3.478%
26	8.539	1099	1102	1104	rBV3	446	705	0.03%	0.003%
27	8.697	1117	1128	1137	rBV	257500	509062	23.03%	1.808%
28	8.929	1159	1166	1173	rBV4	10033	21388	0.97%	0.076%
29	9.124	1188	1198	1207	rBV	223897	442351	20.01%	1.571%
30	9.283	1221	1224	1225	rBV2	598	597	0.03%	0.002%
31	9.508	1259	1261	1265	rVV4	717	966	0.04%	0.003%
32	9.648	1282	1284	1288	rVB2	451	612	0.03%	0.002%
33	9.783	1303	1306	1310	rVV2	590	699	0.03%	0.002%
34	9.892	1316	1324	1331	rVB	109791	186961	8.46%	0.664%

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Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM121420S.M
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35	9.984	1336	1339	1342	rVV3	702	1063	0.05%	0.004%
36	10.075	1349	1354	1358	rVB4	1620	2483	0.11%	0.009%
37	10.179	1363	1371	1378	rVV	398885	682512	30.88%	2.425%
38	10.246	1378	1382	1388	rVB	5875	9333	0.42%	0.033%
39	10.350	1397	1399	1404	rVB3	709	892	0.04%	0.003%
40	10.441	1407	1414	1423	rVB	62819	108723	4.92%	0.386%
41	10.581	1430	1437	1443	rVB2	16672	30420	1.38%	0.108%
42	10.715	1455	1459	1464	rVB3	2963	4890	0.22%	0.017%
43	10.789	1464	1471	1483	rBV	155247	248476	11.24%	0.883%
44	10.953	1492	1498	1507	rBV2	25814	54475	2.46%	0.194%
45	11.203	1537	1539	1543	rVB2	576	615	0.03%	0.002%
46	11.319	1552	1558	1564	rVB2	8167	14225	0.64%	0.051%
47	11.490	1579	1586	1594	rBV	283605	455172	20.59%	1.617%
48	11.593	1598	1603	1606	rBV5	1418	2043	0.09%	0.007%
49	11.624	1606	1608	1611	rVB3	1102	839	0.04%	0.003%
50	11.691	1613	1619	1626	rBV4	4926	10942	0.50%	0.039%
51	11.849	1642	1645	1647	rBV4	1701	2393	0.11%	0.009%
52	12.166	1693	1697	1698	rBV4	1223	1563	0.07%	0.006%
53	12.203	1698	1703	1706	rVV6	5458	11295	0.51%	0.040%
54	12.233	1706	1708	1714	rVB4	6420	8792	0.40%	0.031%
55	12.331	1720	1724	1728	rBV6	4103	8762	0.40%	0.031%
56	12.489	1746	1750	1755	rVB	25201	41465	1.88%	0.147%
57	12.563	1756	1762	1768	rVB	145106	239422	10.83%	0.851%
58	12.642	1770	1775	1783	rVB3	24092	44639	2.02%	0.159%
59	12.733	1784	1790	1793	rBV8	11538	23701	1.07%	0.084%
60	12.813	1797	1803	1810	rVB	78252	128660	5.82%	0.457%
61	12.971	1823	1829	1837	rVB	84316	170981	7.74%	0.607%
62	13.117	1848	1853	1858	rVB	126963	189344	8.57%	0.673%
63	13.251	1871	1875	1879	rVB	48193	66842	3.02%	0.237%
64	13.312	1879	1885	1889	rBV2	85513	145857	6.60%	0.518%
65	13.422	1898	1903	1906	rBV	167505	264491	11.97%	0.940%
66	13.623	1932	1936	1939	rBV2	119398	161432	7.30%	0.574%
67	13.660	1939	1942	1947	rVB2	243128	324871	14.70%	1.154%
68	13.721	1948	1952	1962	rVB3	189293	510739	23.11%	1.814%
69	13.818	1964	1968	1973	rBV	134557	198656	8.99%	0.706%
70	13.886	1974	1979	1981	rVV	236672	370340	16.76%	1.316%
71	13.916	1981	1984	1988	rVV	254336	363860	16.46%	1.293%

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72	13.971	1988	1993	1998	rVB	340460	506928	22.93%	1.801%
73	14.081	2005	2011	2015	rVB	441470	684648	30.98%	2.432%
74	14.129	2015	2019	2021	rBV	79160	112371	5.08%	0.399%
75	14.215	2028	2033	2036	rBV2	140923	213268	9.65%	0.758%
76	14.257	2036	2040	2042	rVV2	107806	154362	6.98%	0.548%
77	14.294	2042	2046	2049	rVV	337981	500361	22.64%	1.778%
78	14.331	2049	2052	2057	rVB	595563	853553	38.62%	3.032%
79	14.379	2057	2060	2063	rBV	187937	238642	10.80%	0.848%
80	14.422	2063	2067	2070	rBV2	227906	299862	13.57%	1.065%
81	14.520	2077	2083	2086	rBV3	150945	263706	11.93%	0.937%
82	14.562	2086	2090	2094	rVV2	217590	322656	14.60%	1.146%
83	14.611	2094	2098	2102	rVB	300832	405257	18.33%	1.440%
84	14.672	2102	2108	2115	rBV2	1053860	2210294	100.00%	7.852%
85	14.733	2115	2118	2124	rVB2	198178	330448	14.95%	1.174%
86	14.830	2130	2134	2138	rBV	255641	343620	15.55%	1.221%
87	14.904	2143	2146	2148	rBV2	89704	124556	5.64%	0.442%
88	14.946	2148	2153	2156	rBV2	485812	827757	37.45%	2.941%
89	15.056	2165	2171	2179	rVB2	574561	1246778	56.41%	4.429%
90	15.233	2190	2200	2205	rBV5	245602	708551	32.06%	2.517%
91	15.294	2205	2210	2214	rBV	379217	639658	28.94%	2.272%
92	15.343	2214	2218	2222	rBV2	243157	493600	22.33%	1.754%
93	15.525	2241	2248	2255	rBV2	475182	999917	45.24%	3.552%
94	15.727	2278	2281	2289	rVB	579045	915962	41.44%	3.254%
95	15.812	2291	2295	2300	rVB2	302525	511144	23.13%	1.816%
96	15.885	2301	2307	2312	rBV3	334838	776554	35.13%	2.759%
97	16.031	2324	2331	2337	rBV3	451904	973583	44.05%	3.459%
98	16.227	2359	2363	2368	rVB3	323684	574132	25.98%	2.040%
99	16.288	2368	2373	2380	rVB	956702	1766011	79.90%	6.274%
100	16.489	2399	2406	2413	rBV	812421	1879404	85.03%	6.677%

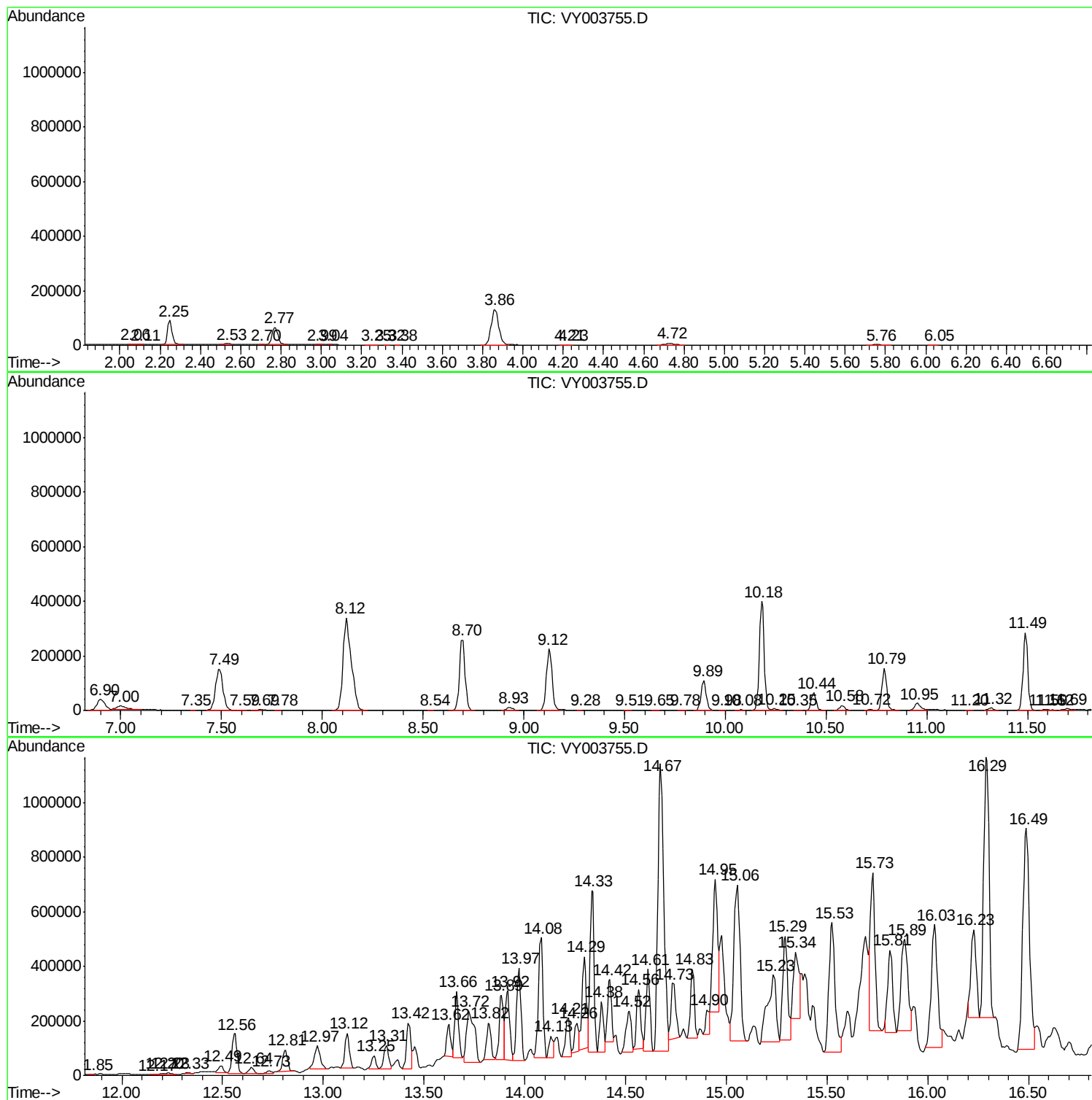
Sum of corrected areas: 28148330

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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



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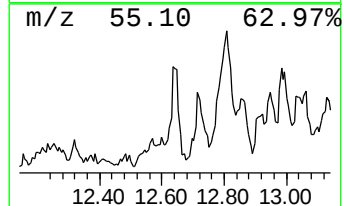
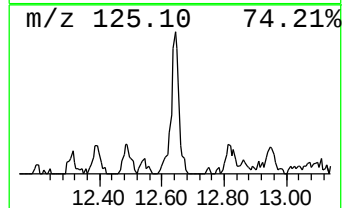
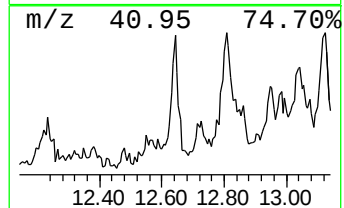
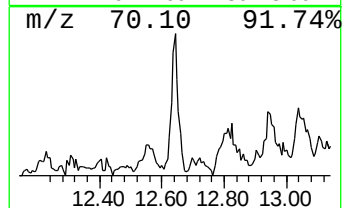
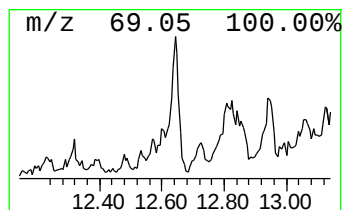
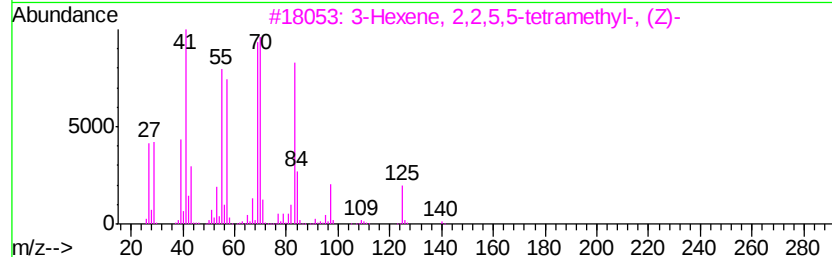
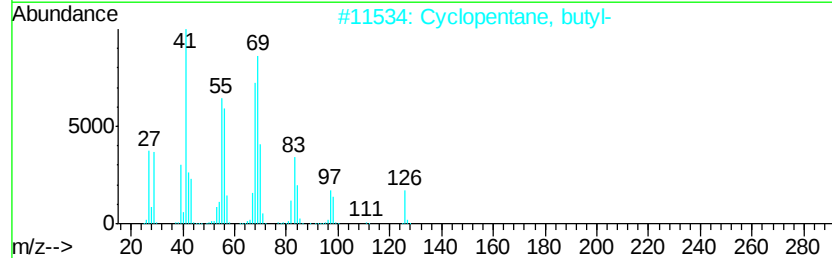
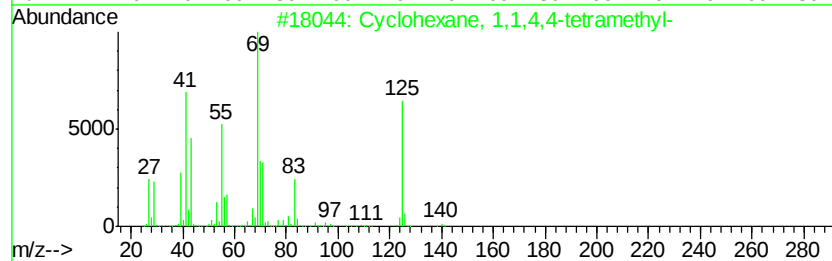
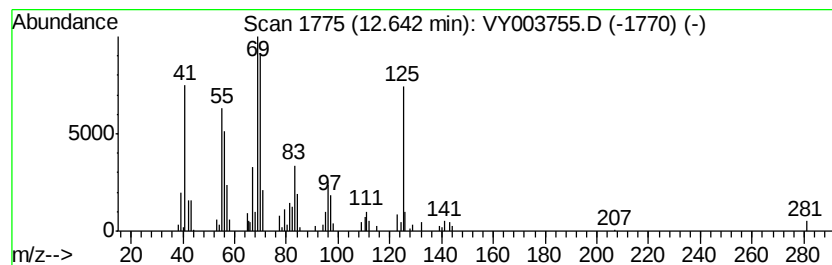
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM121420S.M
Quant Title : VOC Analysis

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

Peak Number 6 (DEL) Alkane: Cyclic12.64 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.64	4.22 ug/L	44639	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	46
2		Cyclopentane, butyl-	126	C9H18	002040-95-1	45
3		3-Hexene, 2,2,5,5-tetramethyl-, ...	140	C10H20	000692-47-7	43
4		cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	42
5		Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	30



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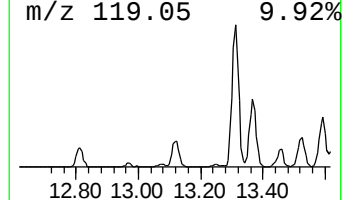
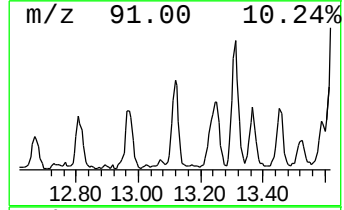
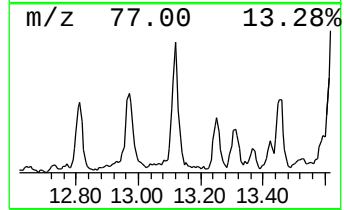
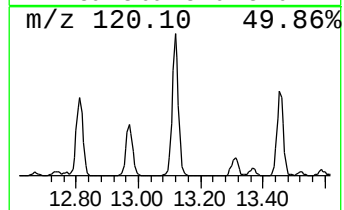
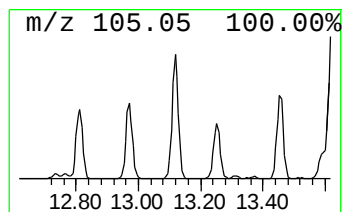
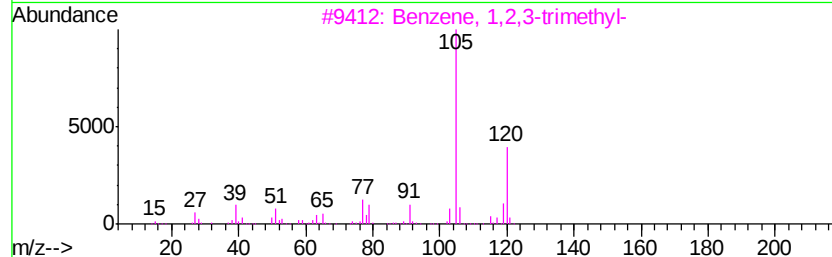
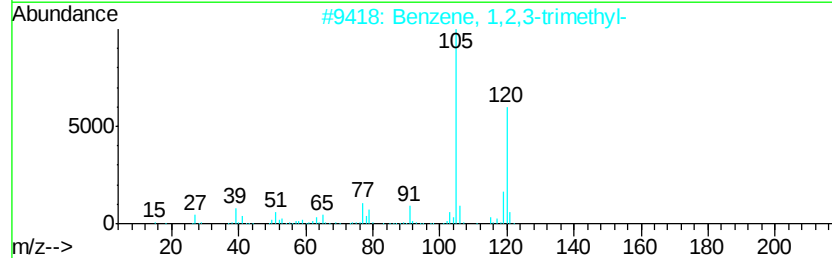
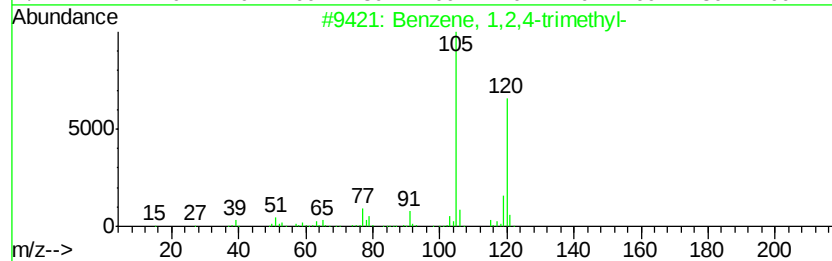
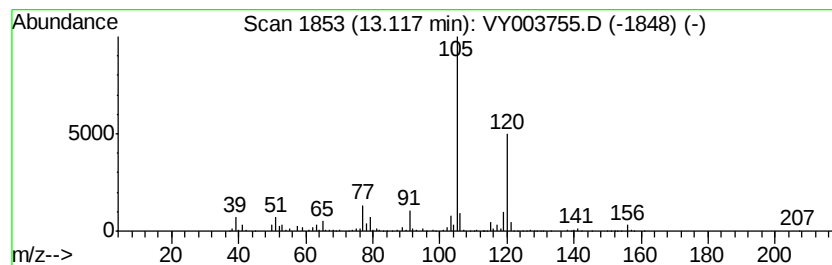
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Benzene, 1,2,4-trimethyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	17.90 ug/L	189344	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
2		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
3		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
4		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
5		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94



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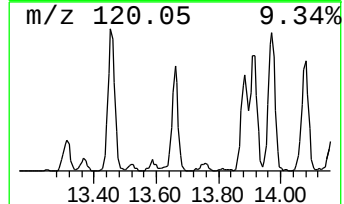
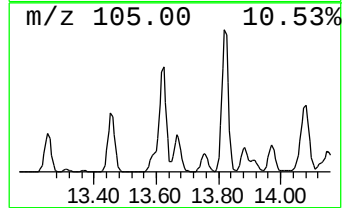
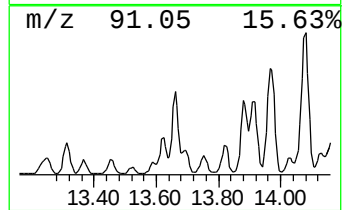
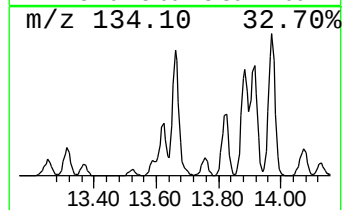
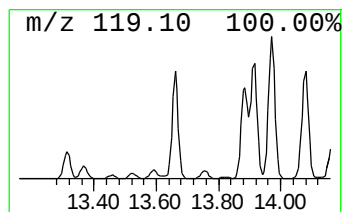
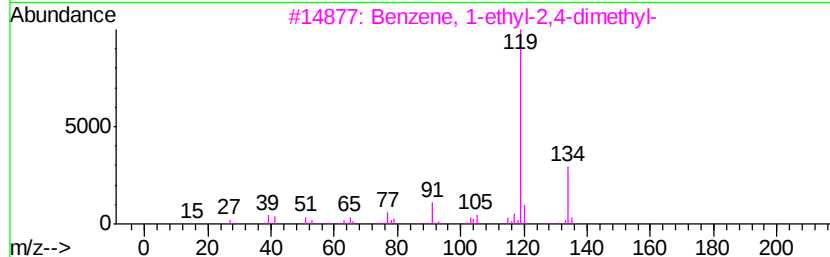
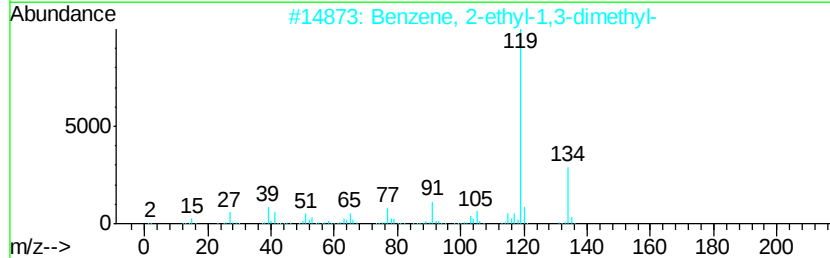
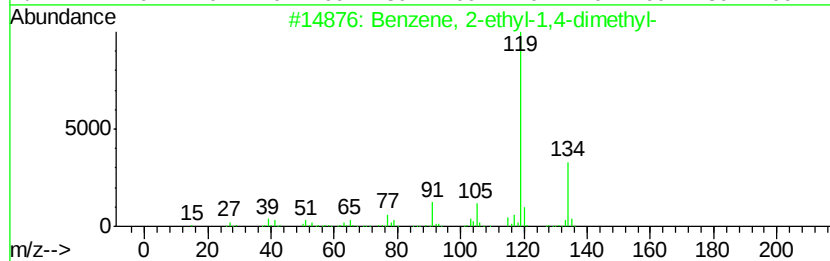
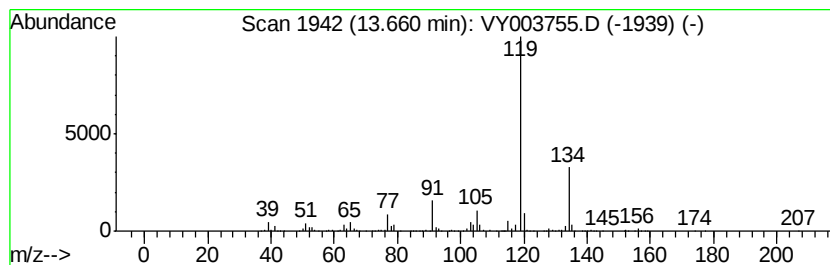
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM121420S.M
Quant Title : VOC Analysis

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

Peak Number 14 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.66	30.71 ug/L	324871	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
2		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91
3		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
4		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
5		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003755.D
Acq On : 14 Dec 2020 18:03
Operator : SY/MD
Sample : L5063-05RE
Misc : 4.19G/10ML/MSVOA Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

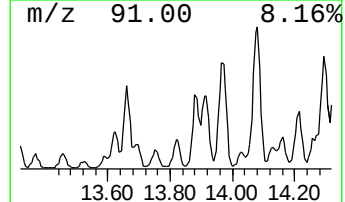
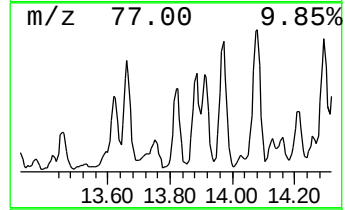
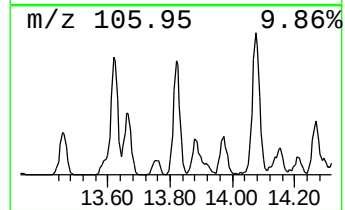
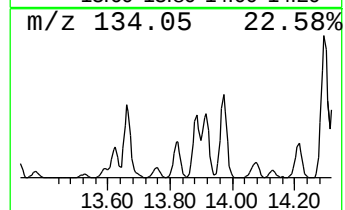
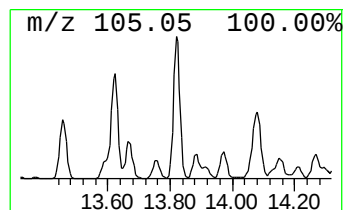
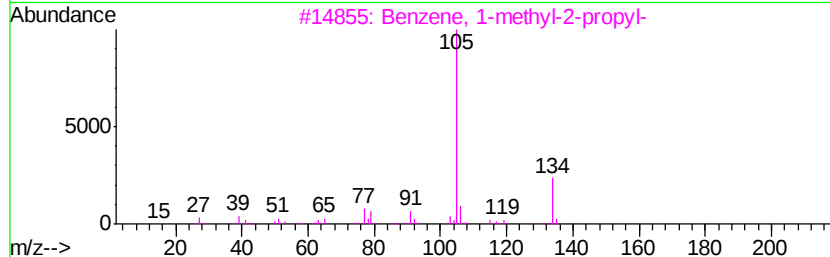
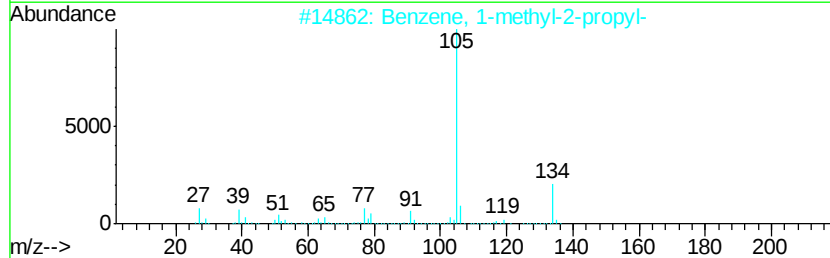
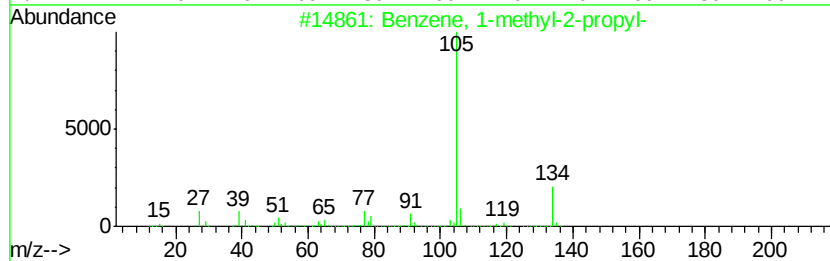
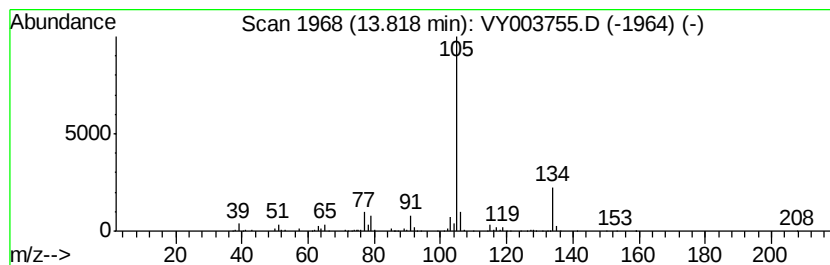
Instrument :
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM121420S.M
Quant Title : VOC Analysis

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

Peak Number 15 Benzene, 1-methyl-2-propyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.82	18.78 ug/L	198656	1,4-Dichlorobenzene-d4	13.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Benzene, 1-methyl-2-propyl-	134 C10H14	001074-17-5	91
2	Benzene, 1-methyl-2-propyl-	134 C10H14	001074-17-5	91
3	Benzene, 1-methyl-2-propyl-	134 C10H14	001074-17-5	91
4	Benzene, 1-methyl-4-propyl-	134 C10H14	001074-55-1	91
5	Benzene, (1-methylpropyl)-	134 C10H14	000135-98-8	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003755.D
Acq On : 14 Dec 2020 18:03
Operator : SY/MD
Sample : L5063-05RE
Misc : 4.19G/10ML/MSVOA Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD7RE

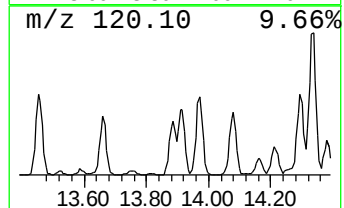
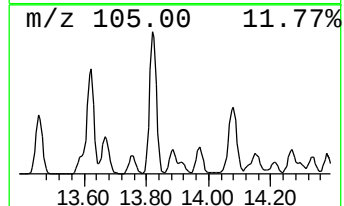
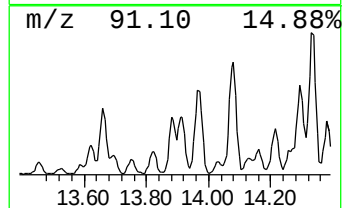
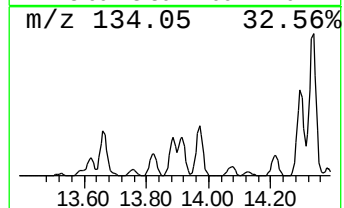
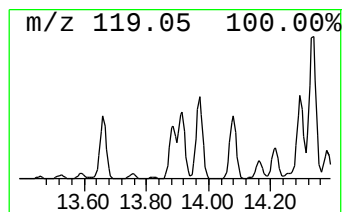
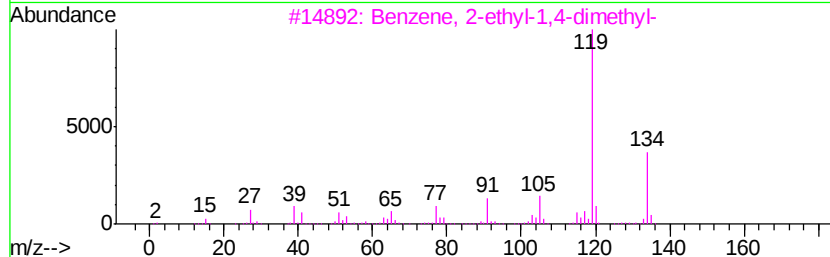
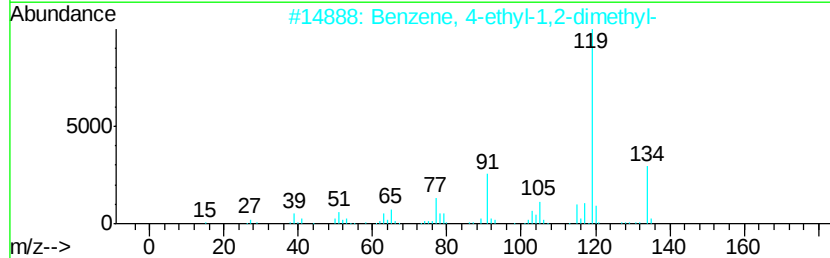
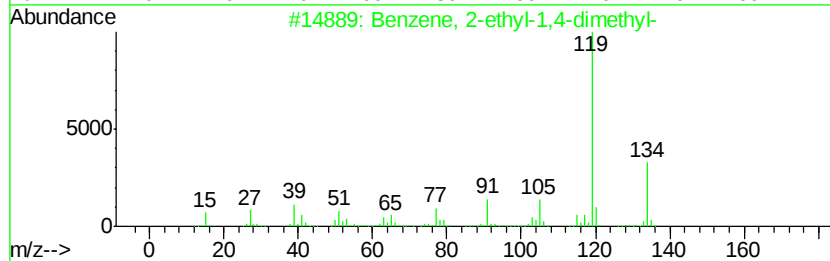
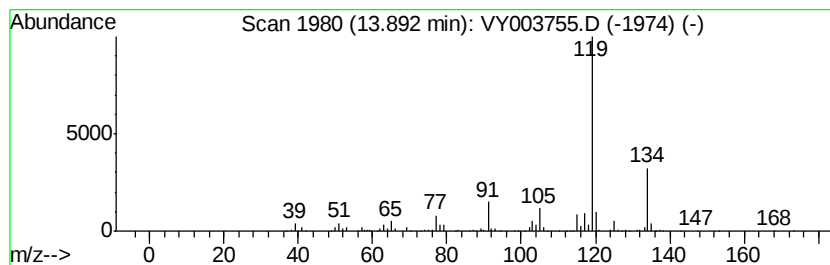
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Quant Title : VOC Analysis

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

Peak Number 16 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	35.01 ug/L	370340	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	97
2		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
3		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
4		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
5		o-Cymene	134	C10H14	000527-84-4	95



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003755.D
Acq On : 14 Dec 2020 18:03
Operator : SY/MD
Sample : L5063-05RE
Misc : 4.19G/10ML/MSVOA Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD7RE

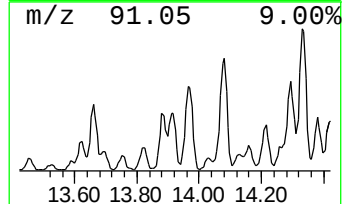
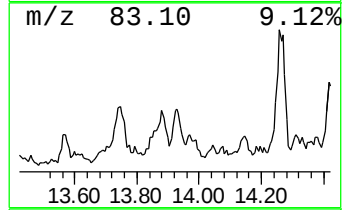
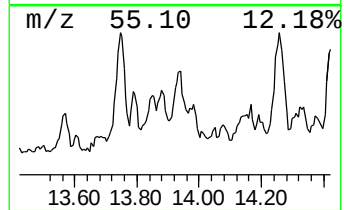
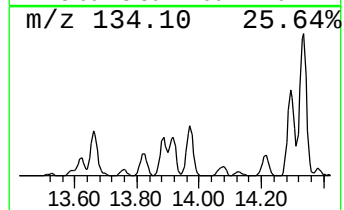
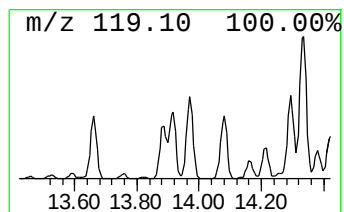
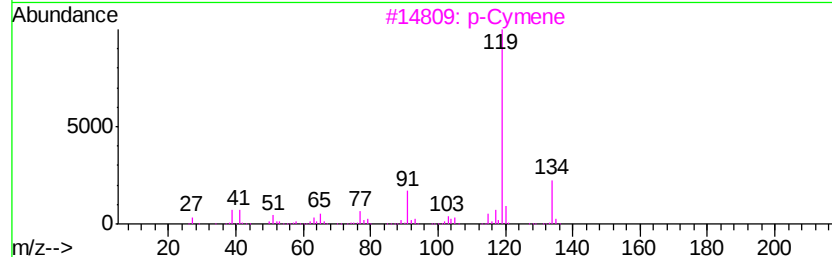
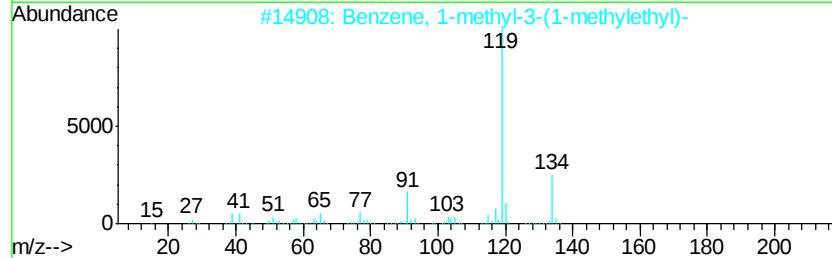
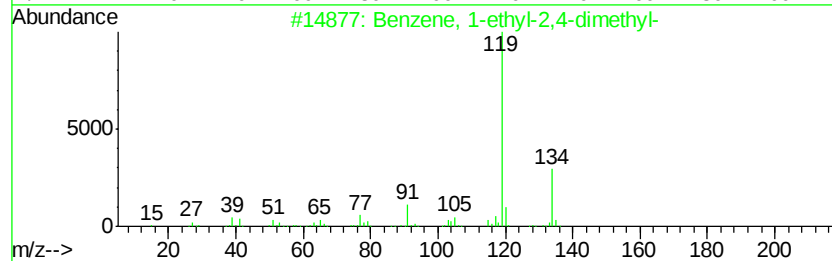
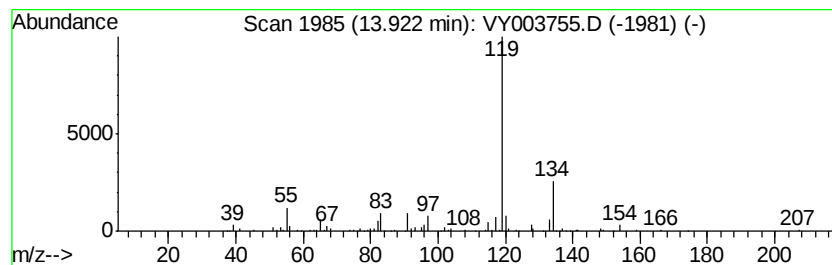
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Quant Title : VOC Analysis

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

Peak Number 17 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.92	34.39 ug/L	363860	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
2		Benzene, 1-methyl-3-(1-methylethyl-)	134	C10H14	000535-77-3	94
3		p-Cymene	134	C10H14	000099-87-6	91
4		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91
5		o-Cymene	134	C10H14	000527-84-4	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003755.D
Acq On : 14 Dec 2020 18:03
Operator : SY/MD
Sample : L5063-05RE
Misc : 4.19G/10ML/MSVOA Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
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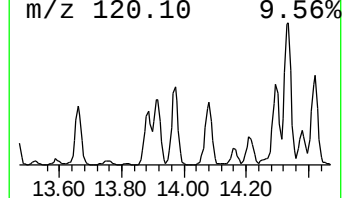
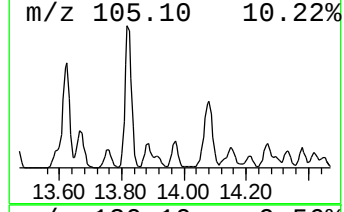
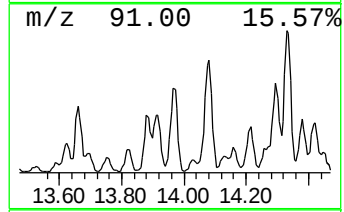
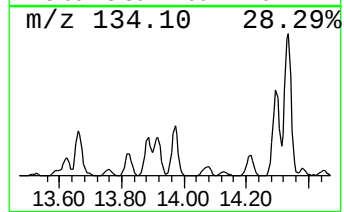
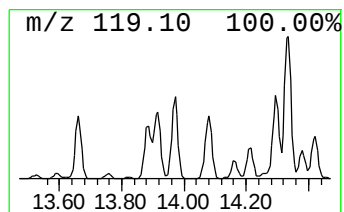
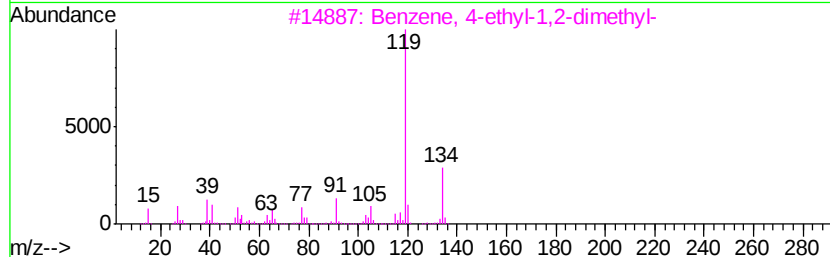
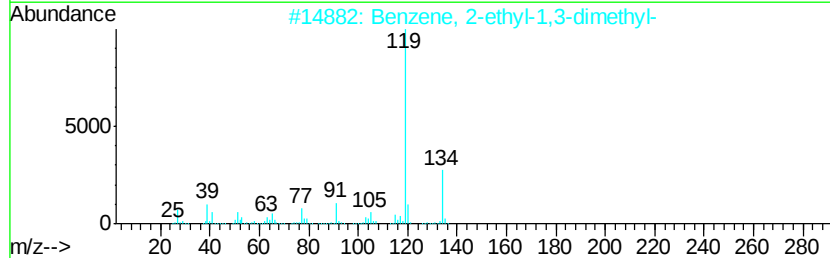
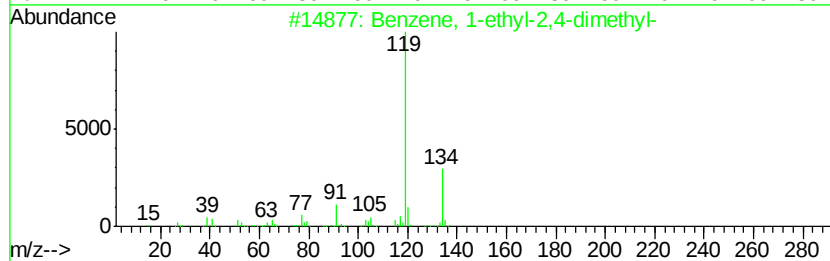
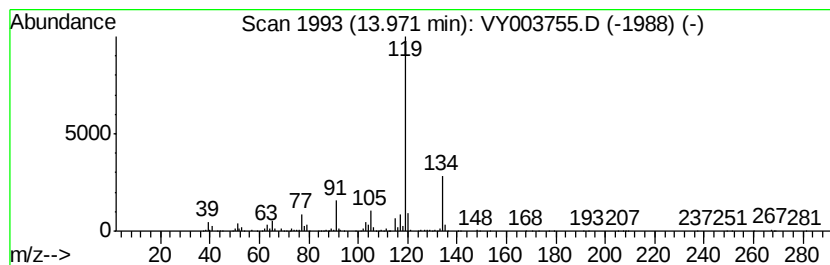
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Quant Title : VOC Analysis

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

Peak Number 18 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	47.92 ug/L	506928	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
2		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
3		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
4		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
5		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003755.D
Acq On : 14 Dec 2020 18:03
Operator : SY/MD
Sample : L5063-05RE
Misc : 4.19G/10ML/MSVOA Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

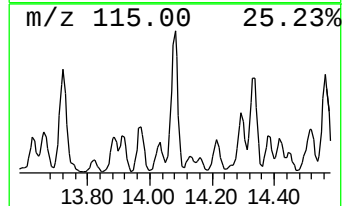
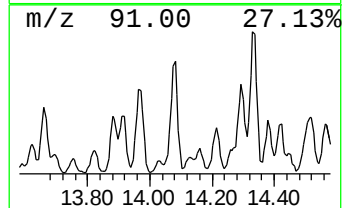
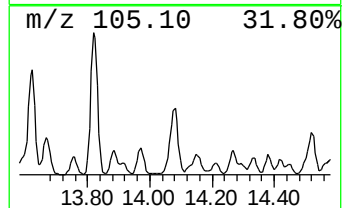
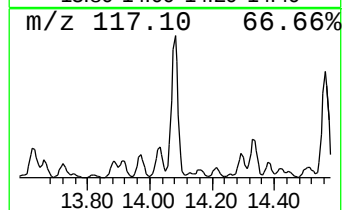
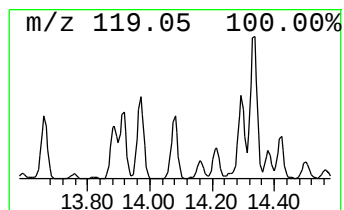
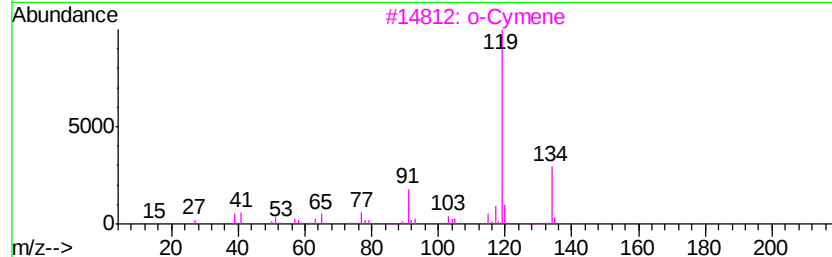
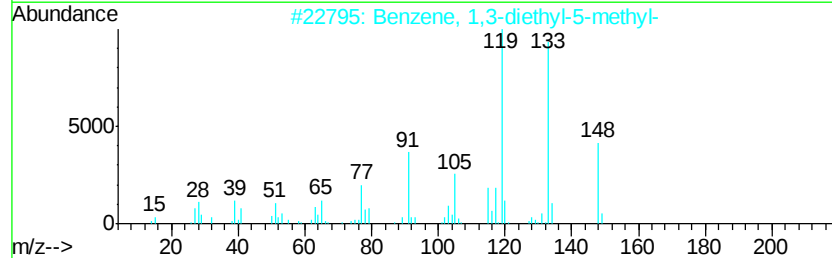
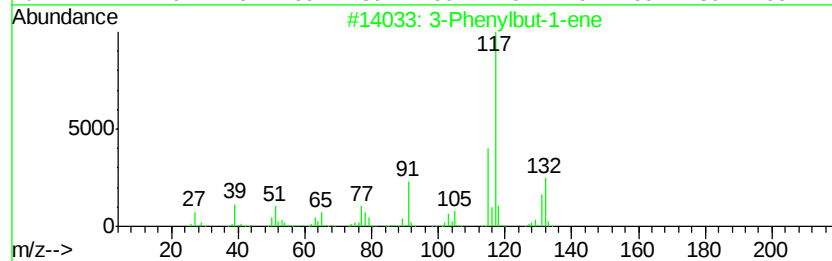
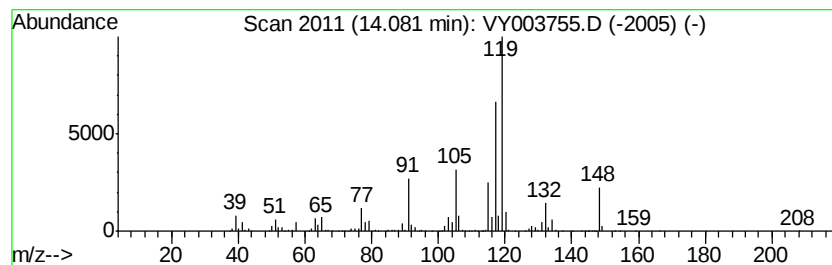
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM121420S.M
Quant Title : VOC Analysis

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

Peak Number 19 3-Phenylbut-1-ene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.08	64.71 ug/L	684648	1,4-Dichlorobenzene-d4	13.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	3-Phenylbut-1-ene	132 C10H12	000934-10-1	51
2	Benzene, 1,3-diethyl-5-methyl-	148 C11H16	002050-24-0	50
3	o-Cymene	134 C10H14	000527-84-4	50
4	1-Phenyl-1-butene	132 C10H12	000824-90-8	47
5	Benzene, 4-ethyl-1,2-dimethyl-	134 C10H14	000934-80-5	45



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003755.D
Acq On : 14 Dec 2020 18:03
Operator : SY/MD
Sample : L5063-05RE
Misc : 4.19G/10ML/MSVOA Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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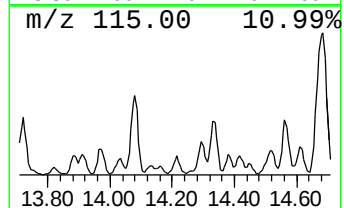
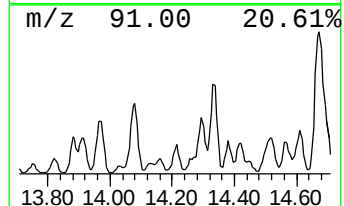
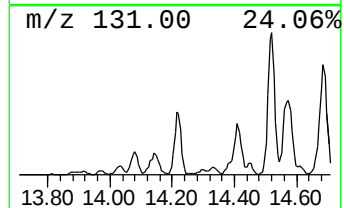
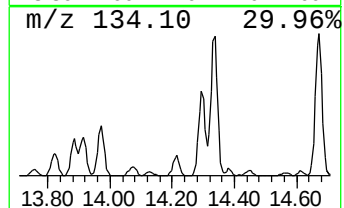
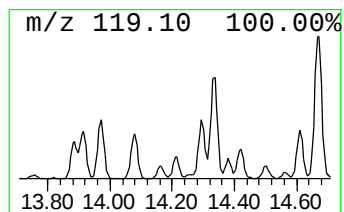
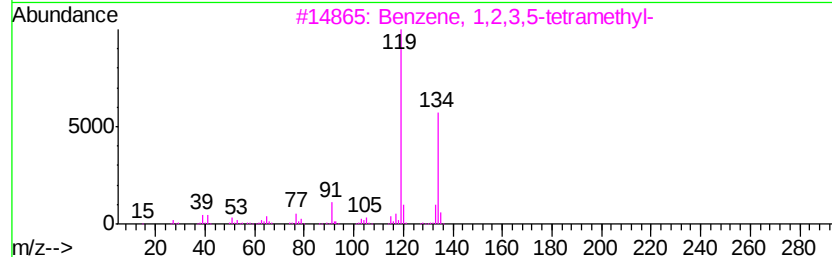
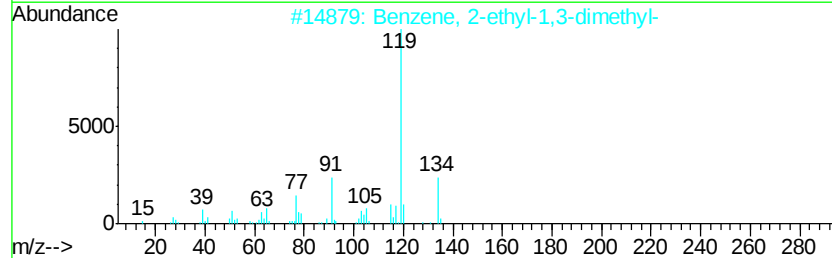
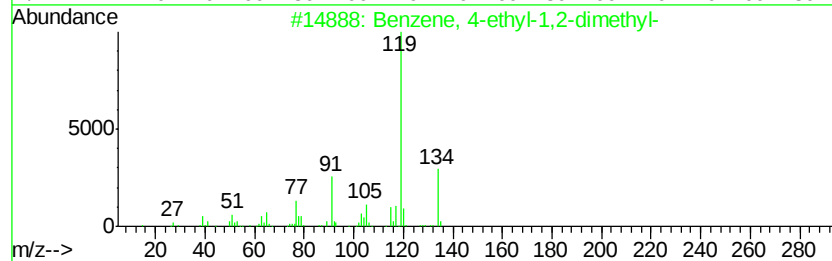
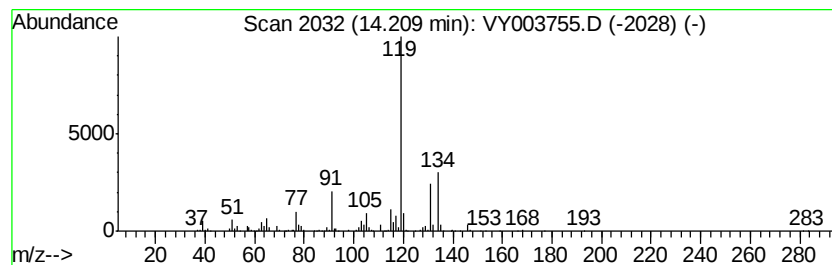
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Quant Title : VOC Analysis

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

Peak Number 21 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	20.16 ug/L	213268	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	89
2		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	76
3		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	76
4		o-Cymene	134	C10H14	000527-84-4	76
5		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	76



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003755.D
Acq On : 14 Dec 2020 18:03
Operator : SY/MD
Sample : L5063-05RE
Misc : 4.19G/10ML/MSVOA Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
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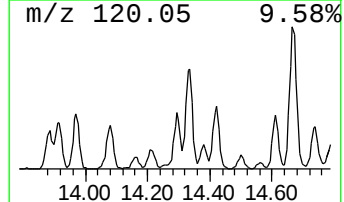
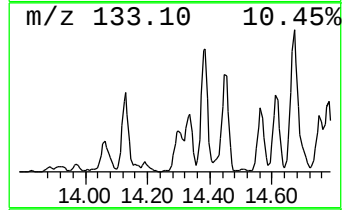
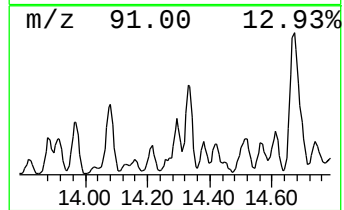
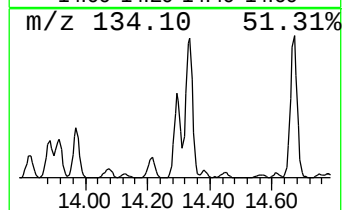
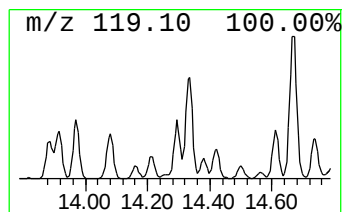
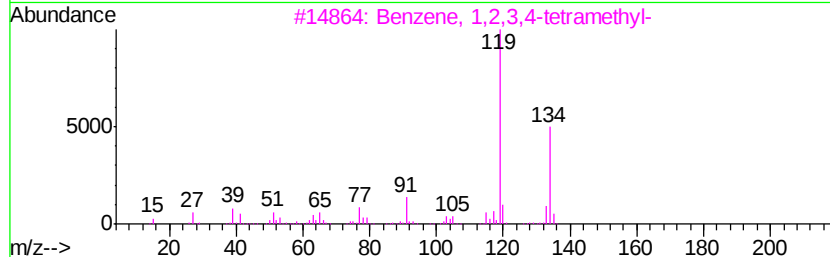
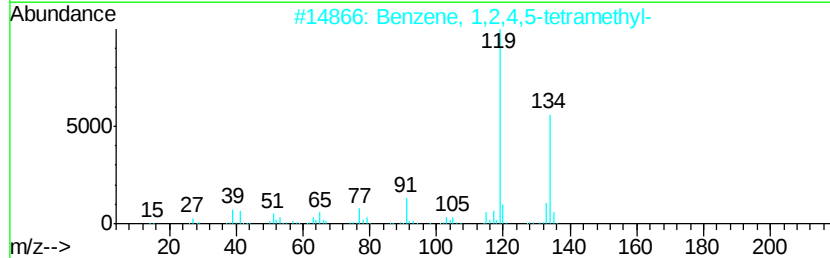
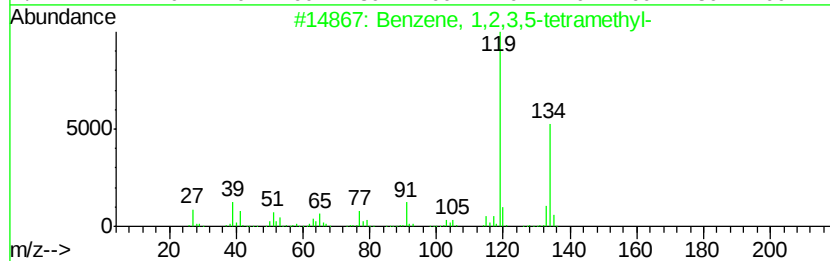
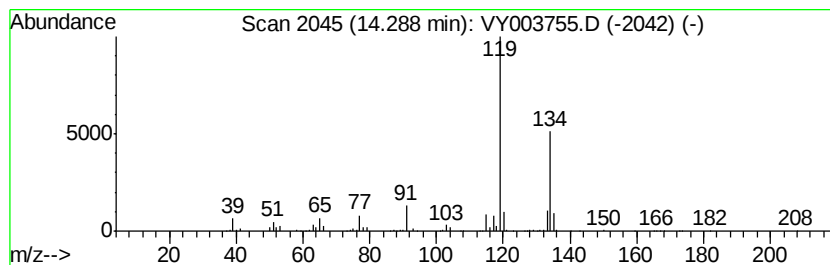
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Quant Title : VOC Analysis

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

Peak Number 23 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.29	47.29 ug/L	500361	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
2		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
3		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
4		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
5		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003755.D
Acq On : 14 Dec 2020 18:03
Operator : SY/MD
Sample : L5063-05RE
Misc : 4.19G/10ML/MSVOA Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD7RE

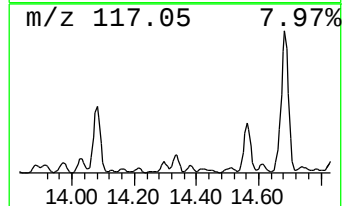
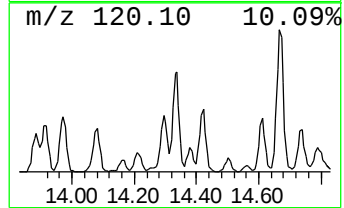
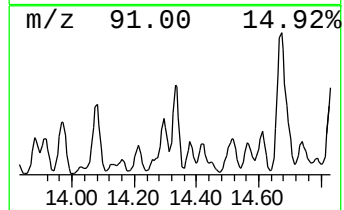
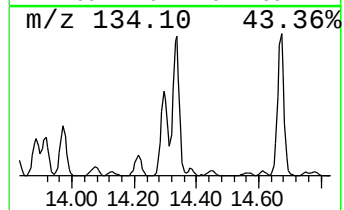
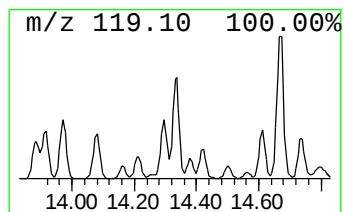
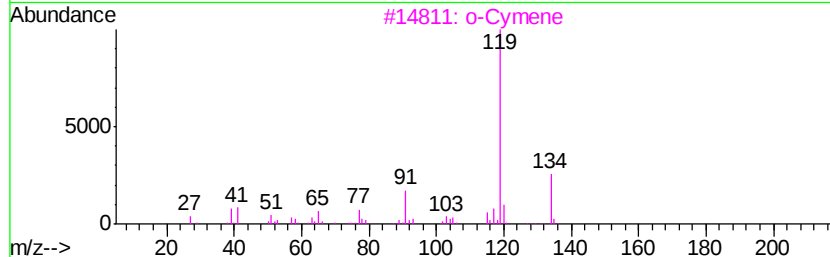
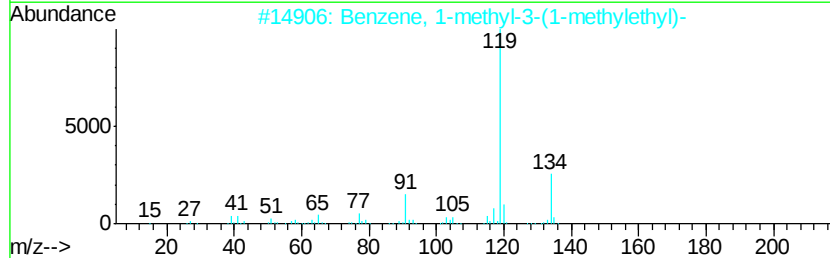
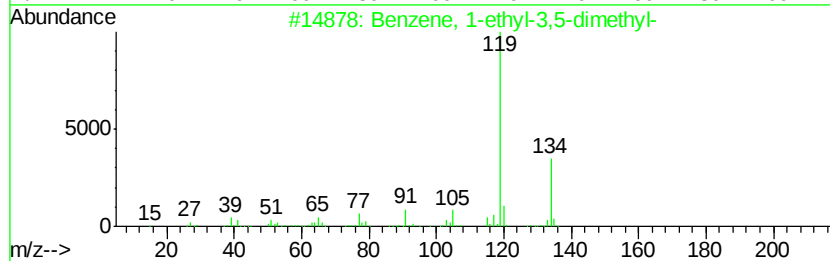
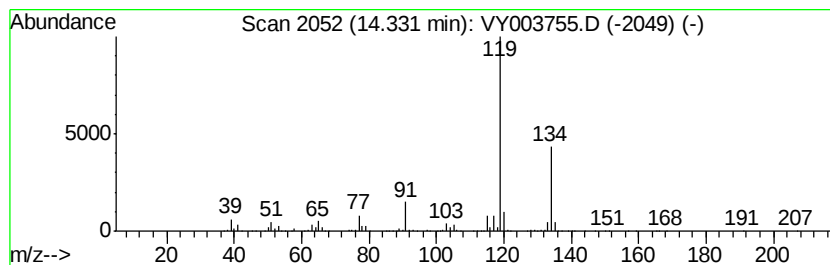
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Quant Title : VOC Analysis

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

Peak Number 24 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.33	80.68 ug/L	853553	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	95
2		Benzene, 1-methyl-3-(1-methylethyl-)	134	C10H14	000535-77-3	95
3		o-Cymene	134	C10H14	000527-84-4	95
4		o-Cymene	134	C10H14	000527-84-4	94
5		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003755.D
Acq On : 14 Dec 2020 18:03
Operator : SY/MD
Sample : L5063-05RE
Misc : 4.19G/10ML/MSVOA Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD7RE

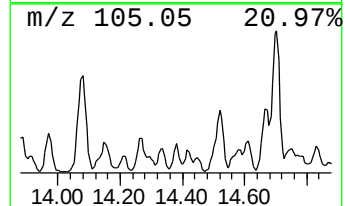
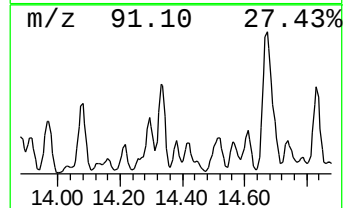
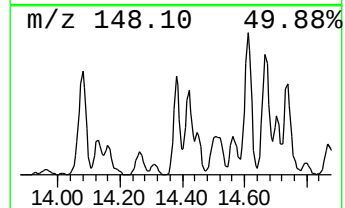
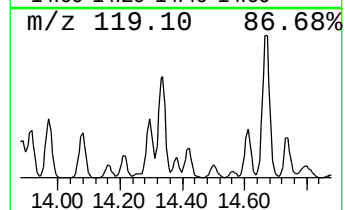
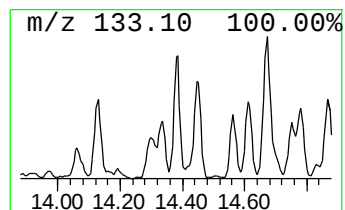
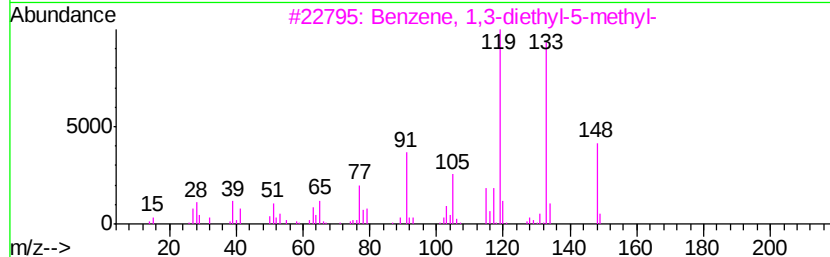
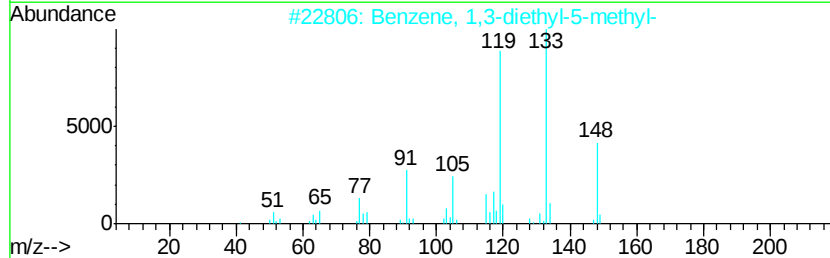
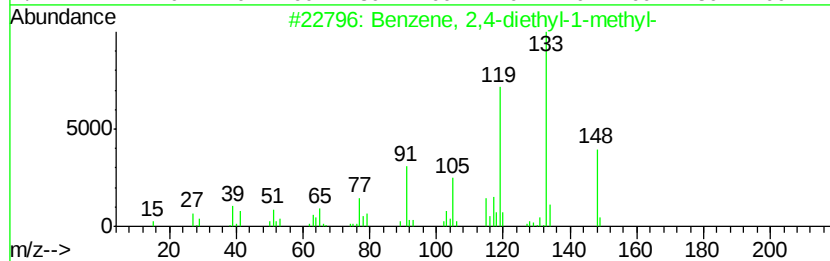
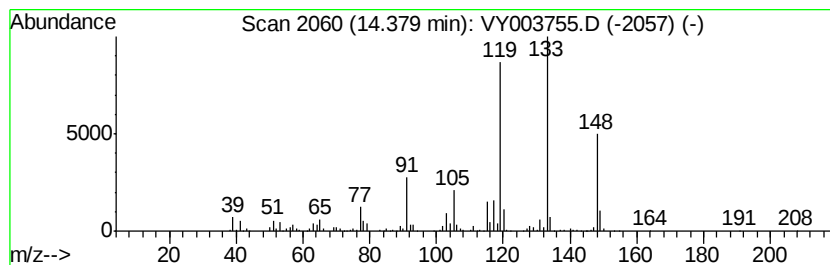
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Quant Title : VOC Analysis

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

Peak Number 25 Benzene, 2,4-diethyl-1-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.38	22.56 ug/L	238642	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	83
2		Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	80
3		Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	53
4		Benzene, pentamethyl-	148	C11H16	000700-12-9	53
5		3,4-Dimethylcumene	148	C11H16	1000370-34-1	49



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003755.D
Acq On : 14 Dec 2020 18:03
Operator : SY/MD
Sample : L5063-05RE
Misc : 4.19G/10ML/MSVOA Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD7RE

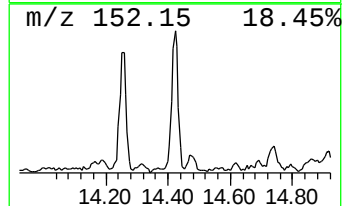
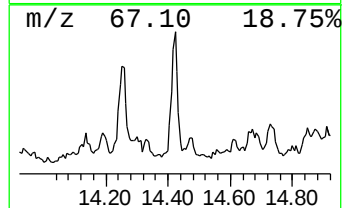
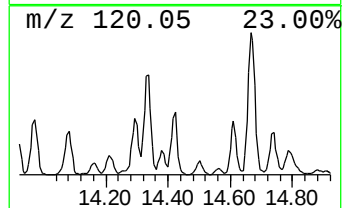
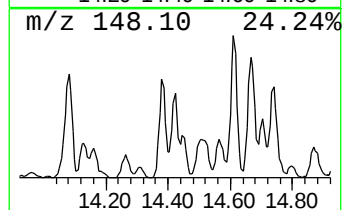
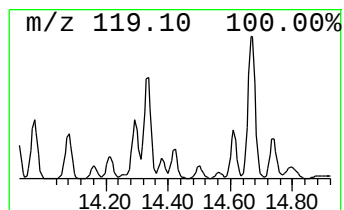
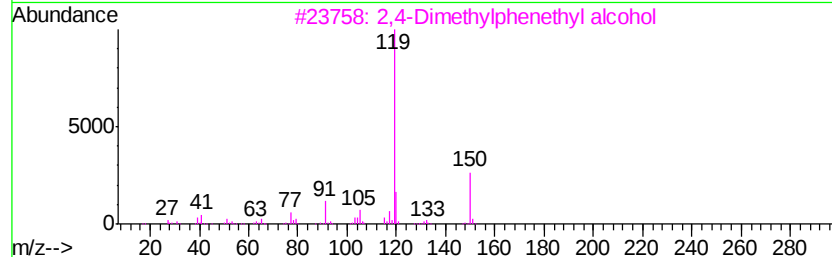
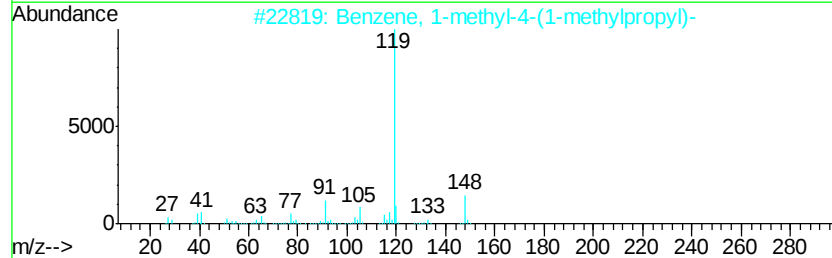
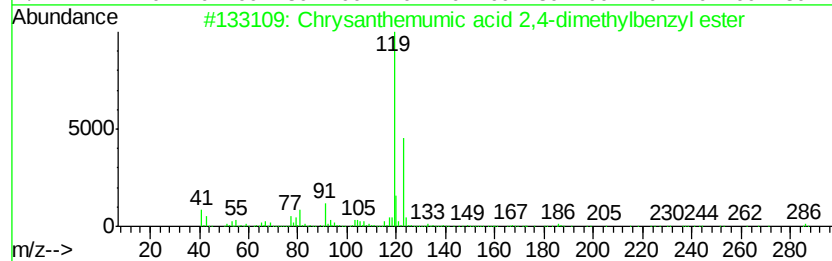
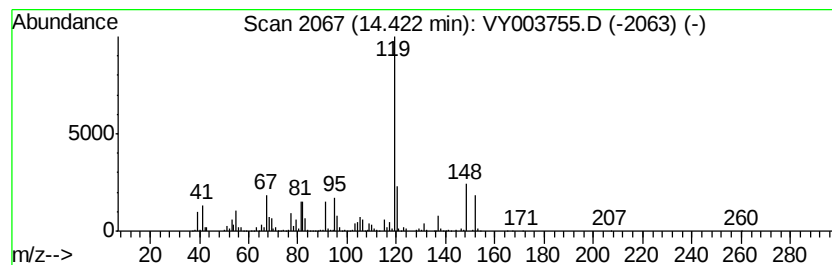
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Quant Title : VOC Analysis

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

Peak Number 26 unknown-01 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.42	28.34 ug/L	299862	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Chrysanthemic acid 2,4-dimethy...	286	C19H26O2	000070-38-2	47
2		Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	47
3		2,4-Dimethylphenethyl alcohol	150	C10H14O	006597-59-7	47
4		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	43
5		Benzene, 1,1'-(1,1,2,2-tetrameth...	238	C18H22	001889-67-4	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003755.D
Acq On : 14 Dec 2020 18:03
Operator : SY/MD
Sample : L5063-05RE
Misc : 4.19G/10ML/MSVOA Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD7RE

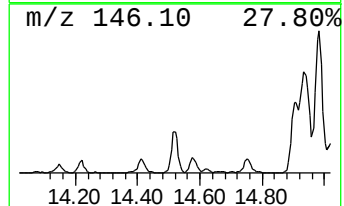
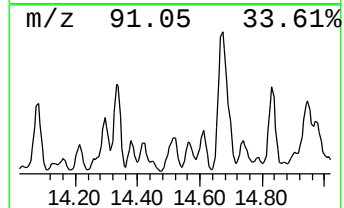
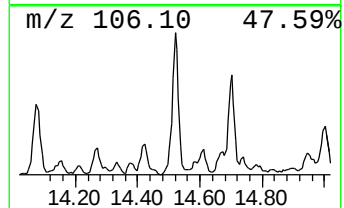
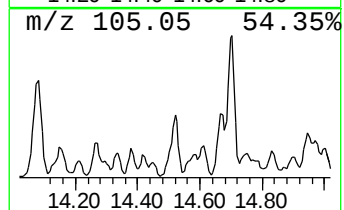
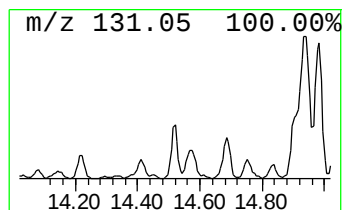
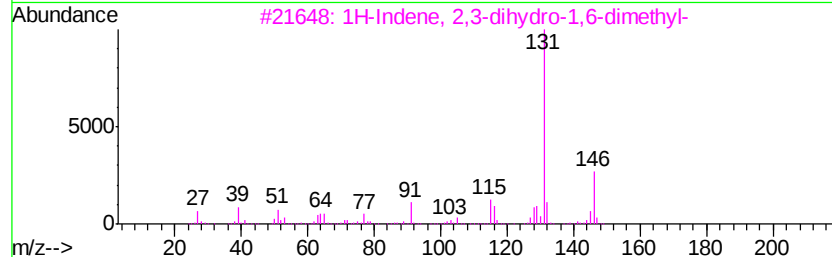
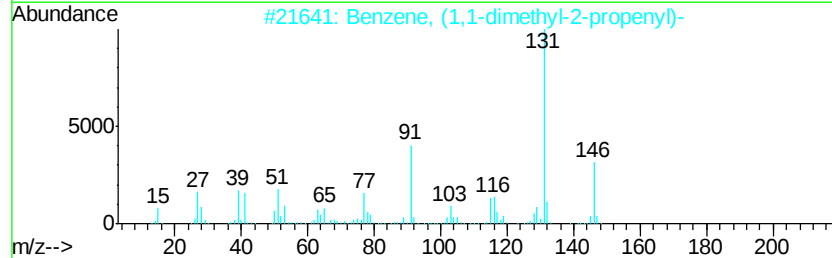
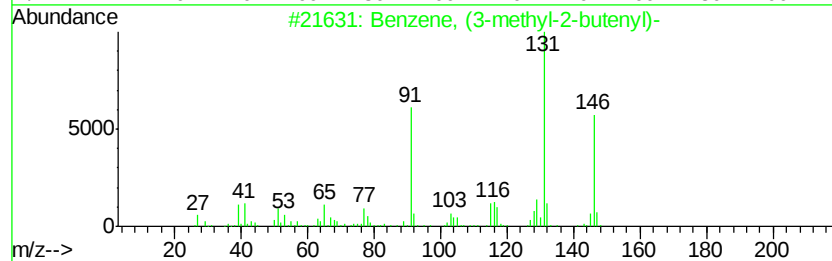
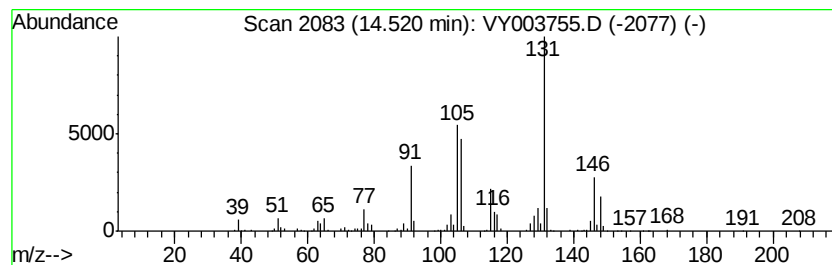
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Quant Title : VOC Analysis

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

Peak Number 27 Benzene, (3-methyl-2-butenyl)- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.52	24.93 ug/L	263706	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	95
2		Benzene, (1,1-dimethyl-2-propenyl)-	146	C11H14	018321-36-3	95
3		1H-Indene, 2,3-dihydro-1,6-dimethyl-	146	C11H14	017059-48-2	70
4		Benzene, 1-methyl-3-(1-methyl-2-propenyl)-	146	C11H14	052161-57-6	70
5		Benzene, 1-methyl-4-(1-methyl-2-propenyl)-	146	C11H14	097664-18-1	70



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003755.D
Acq On : 14 Dec 2020 18:03
Operator : SY/MD
Sample : L5063-05RE
Misc : 4.19G/10ML/MSVOA Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

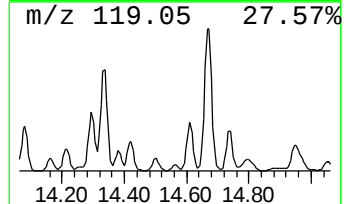
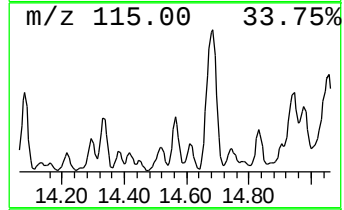
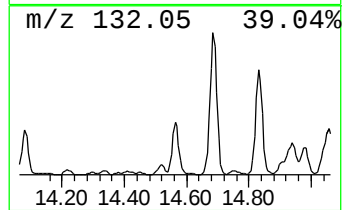
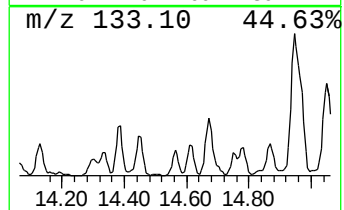
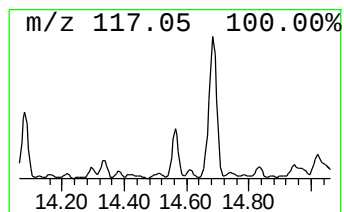
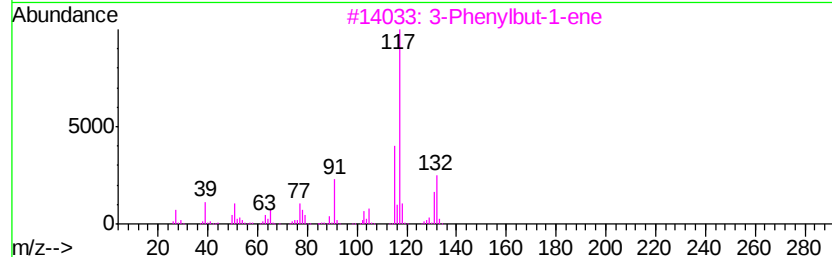
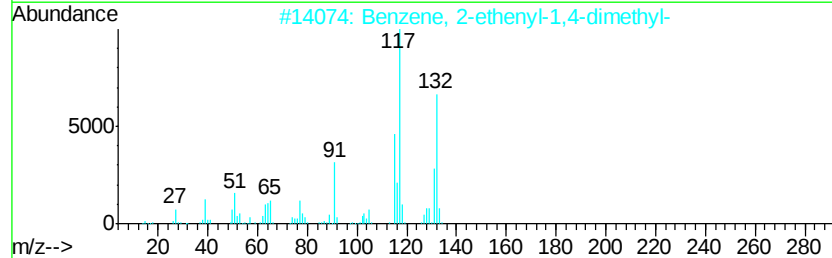
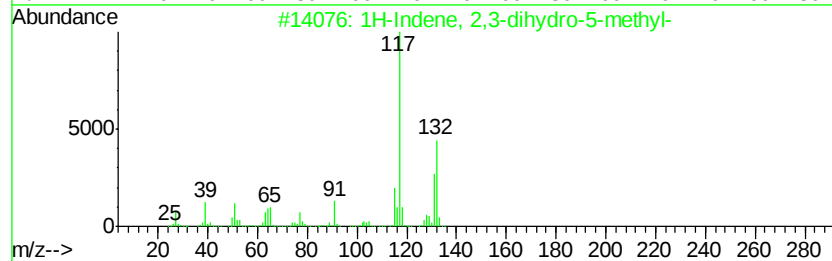
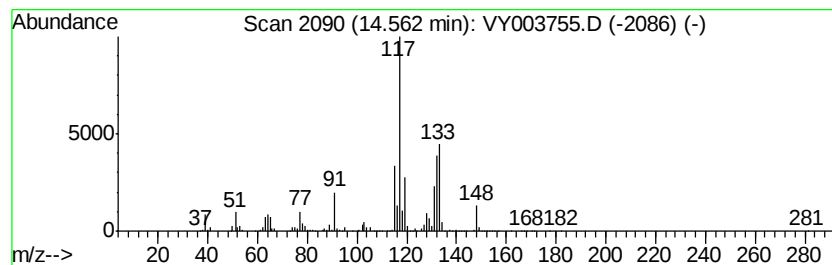
Instrument :
MSVOA_Y
ClientSampleId :
C0AD7RE

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 28 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.56	30.50 ug/L	322656	1,4-Dichlorobenzene-d4	13.42	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	91
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	91
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	70
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	64
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003755.D
Acq On : 14 Dec 2020 18:03
Operator : SY/MD
Sample : L5063-05RE
Misc : 4.19G/10ML/MSVOA Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD7RE

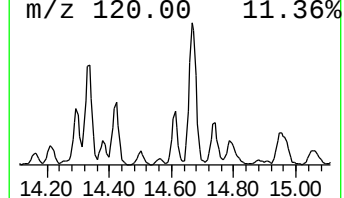
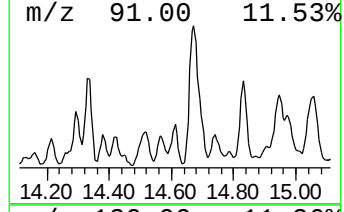
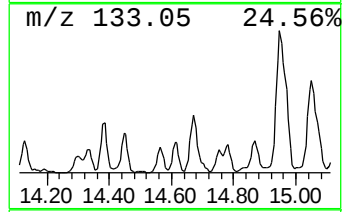
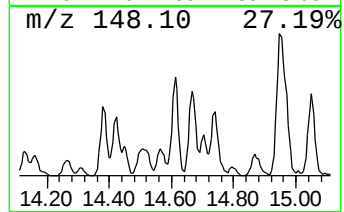
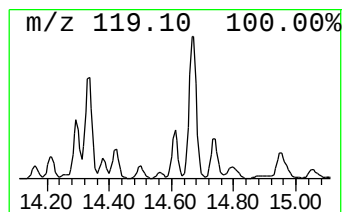
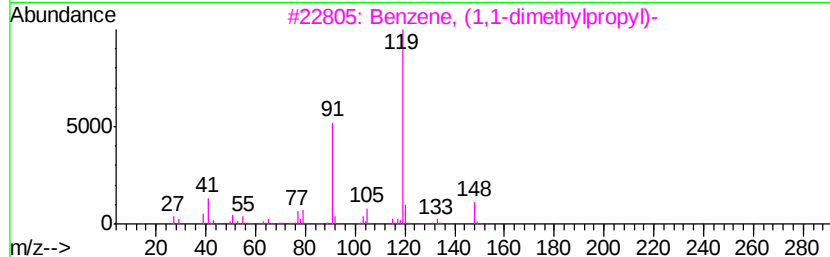
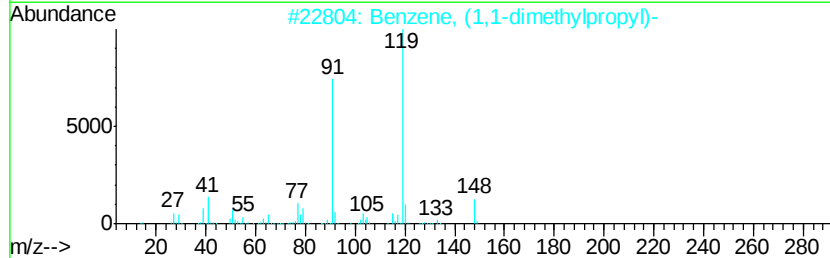
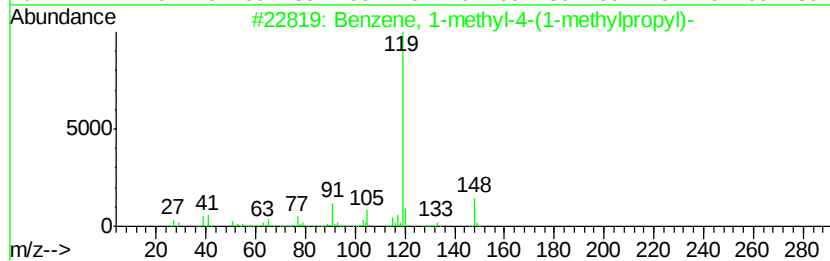
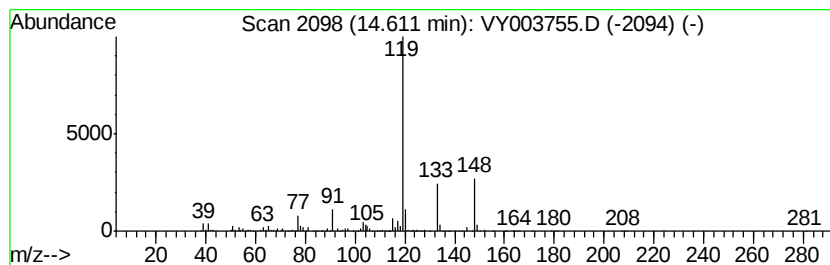
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Quant Title : VOC Analysis

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

Peak Number 29 Benzene, 1-methyl-4-(1-meth... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.61	38.31 ug/L	405257	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	87
2		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	80
3		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	72
4		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	72
5		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003755.D
Acq On : 14 Dec 2020 18:03
Operator : SY/MD
Sample : L5063-05RE
Misc : 4.19G/10ML/MSVOA Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

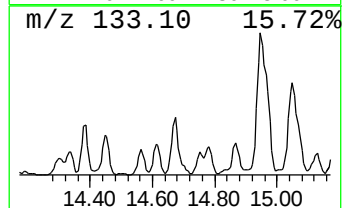
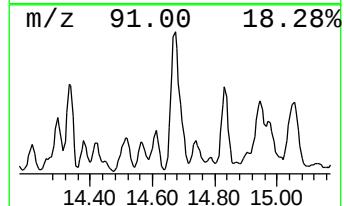
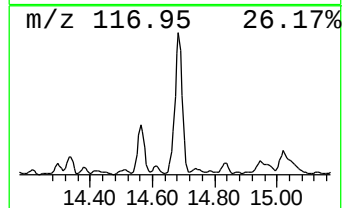
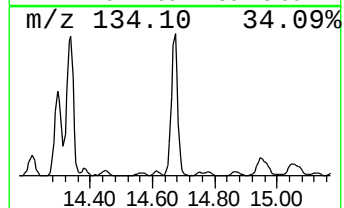
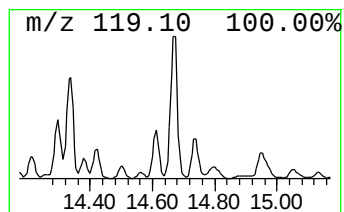
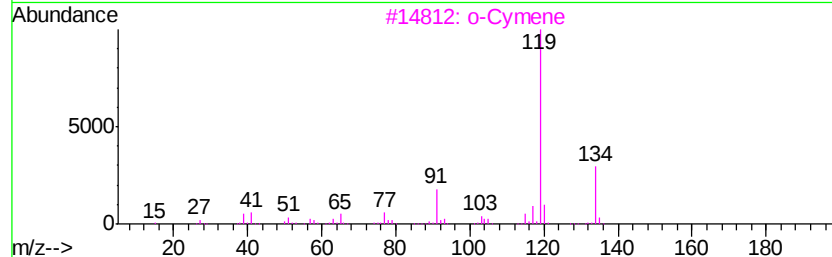
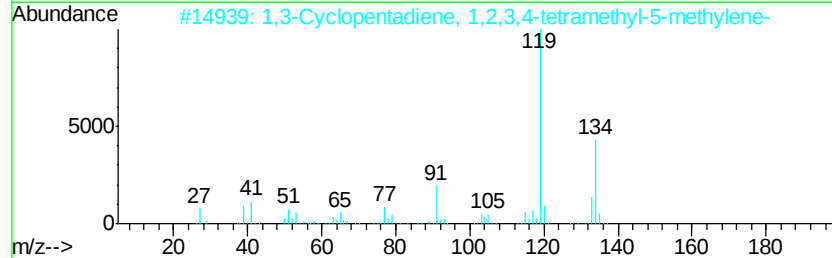
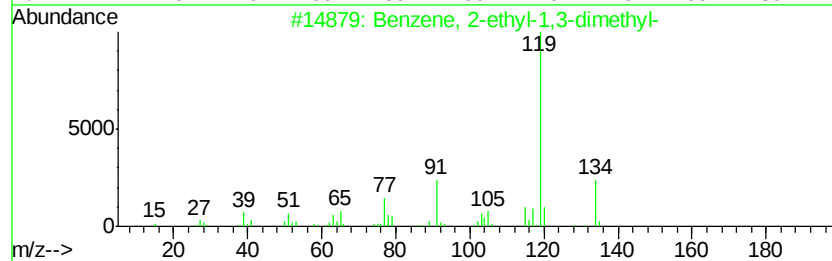
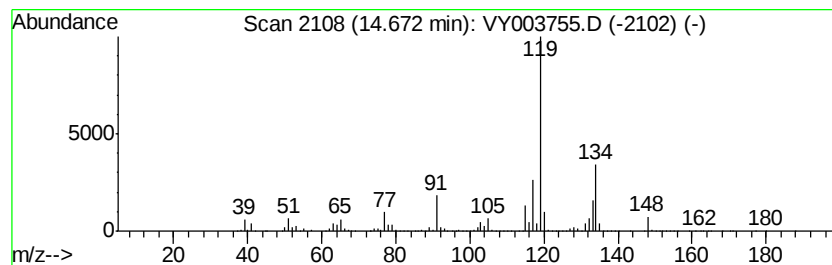
Instrument :
MSVOA_Y
ClientSampleId :
C0AD7RE

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 30 1,3-Cyclopentadiene, 1,2,3,... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.67	208.92 ug/L	2210290	1,4-Dichlorobenzene-d4	13.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, 2-ethyl-1,3-dimethyl-	134 C10H14	002870-04-4 92
2		1,3-Cyclopentadiene, 1,2,3,4-tet...	134 C10H14	076089-59-3 81
3		o-Cymene	134 C10H14	000527-84-4 76
4		Benzene, 1,2,4,5-tetramethyl-	134 C10H14	000095-93-2 76
5		Benzene, 1-ethyl-2,3-dimethyl-	134 C10H14	000933-98-2 76



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003755.D
Acq On : 14 Dec 2020 18:03
Operator : SY/MD
Sample : L5063-05RE
Misc : 4.19G/10ML/MSVOA Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD7RE

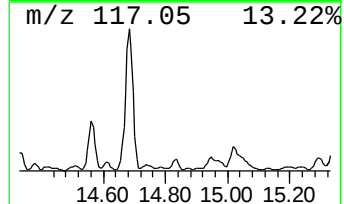
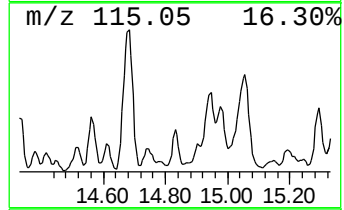
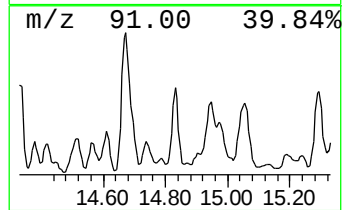
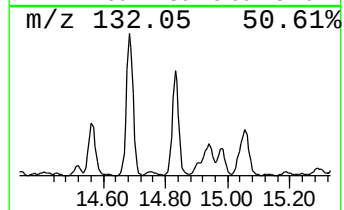
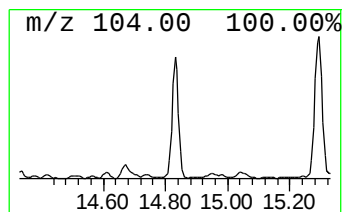
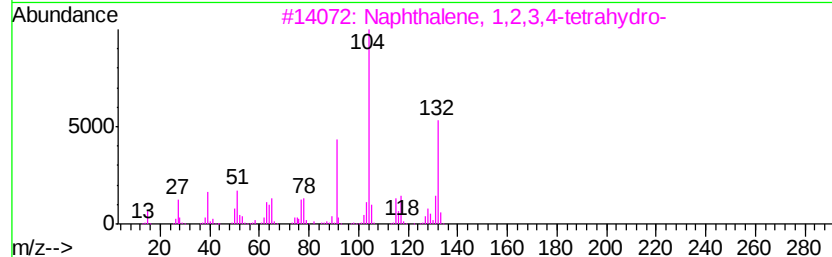
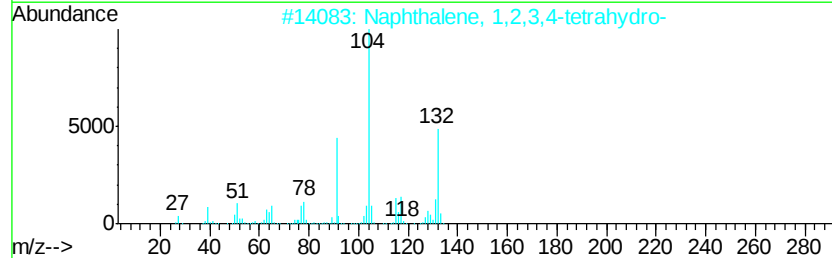
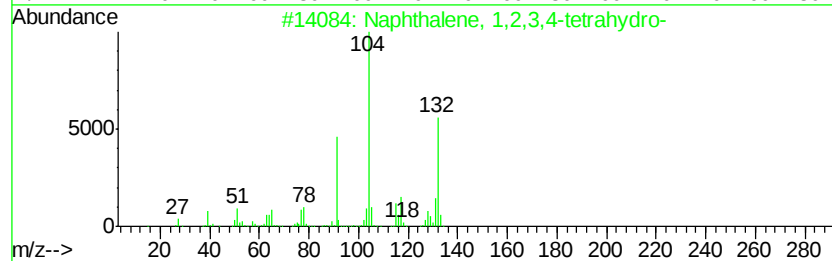
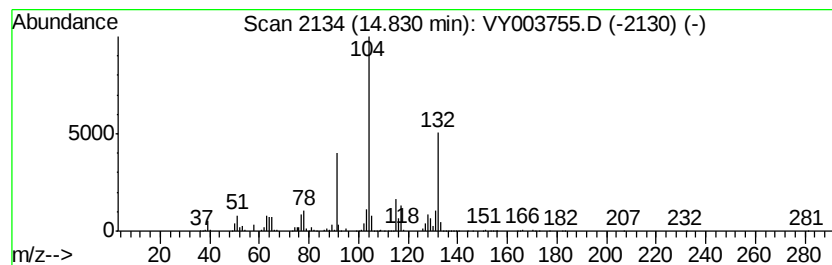
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Quant Title : VOC Analysis

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

Peak Number 32 Naphthalene, 1,2,3,4-tetrahydro- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.83	32.48 ug/L	343620	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	96
2		Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	96
3		Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	96
4		Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	95
5		Indan, epoxide	132	C9H8O	000768-22-9	58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003755.D
Acq On : 14 Dec 2020 18:03
Operator : SY/MD
Sample : L5063-05RE
Misc : 4.19G/10ML/MSVOA Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD7RE

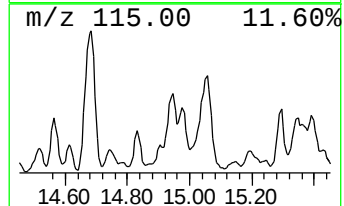
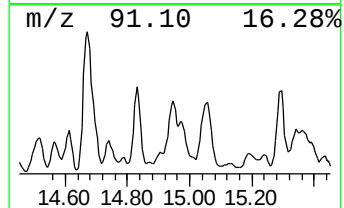
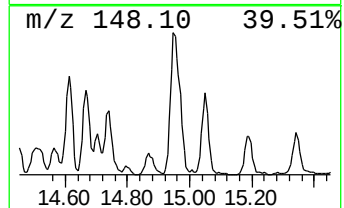
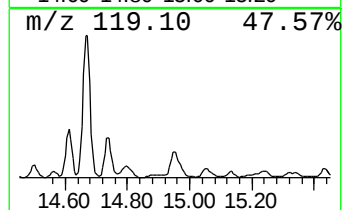
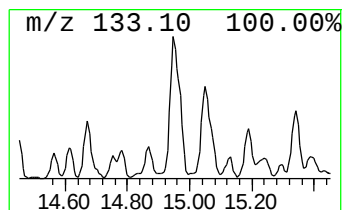
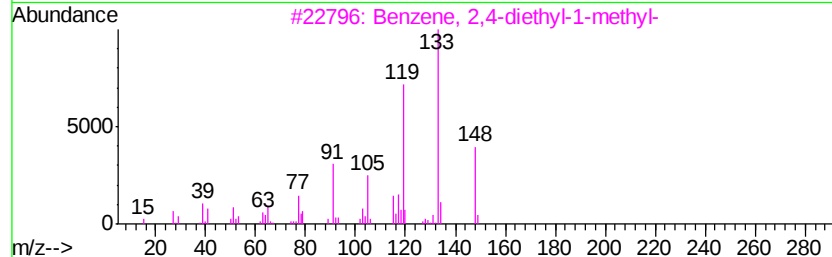
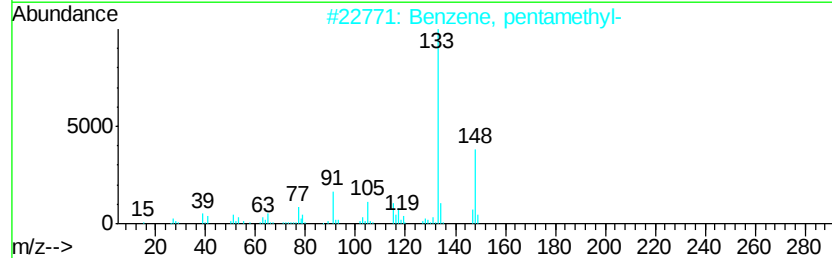
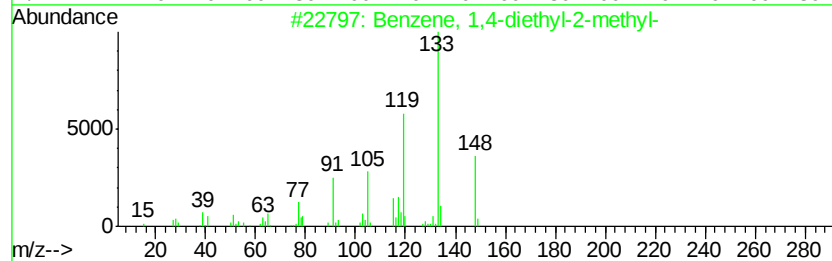
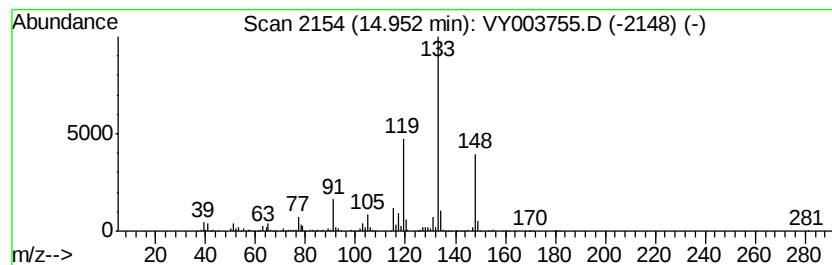
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Quant Title : VOC Analysis

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

Peak Number 34 Benzene, 1,4-diethyl-2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.95	78.24 ug/L	827757	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	83
2		Benzene, pentamethyl-	148	C11H16	000700-12-9	64
3		Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	60
4		Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	58
5		Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003755.D
Acq On : 14 Dec 2020 18:03
Operator : SY/MD
Sample : L5063-05RE
Misc : 4.19G/10ML/MSVOA Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD7RE

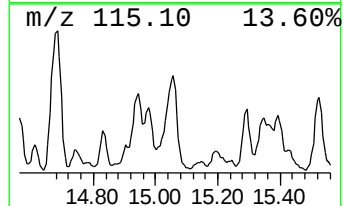
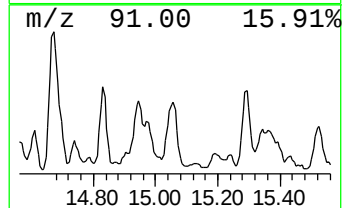
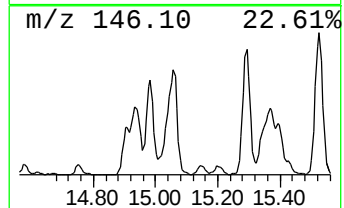
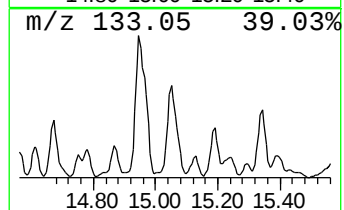
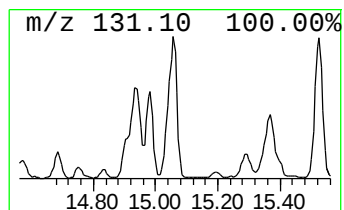
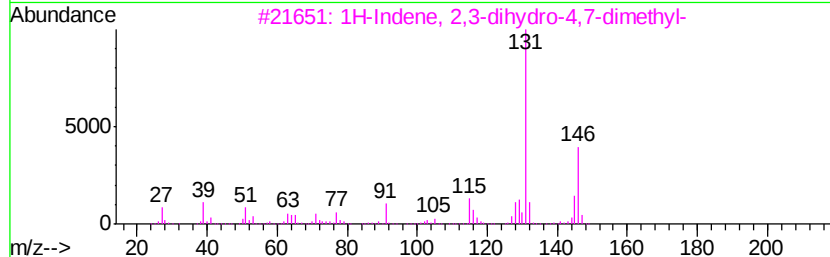
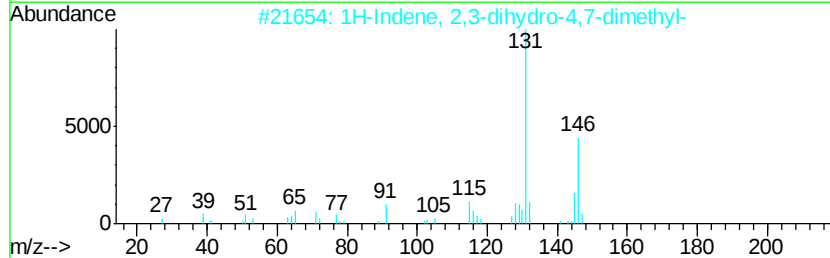
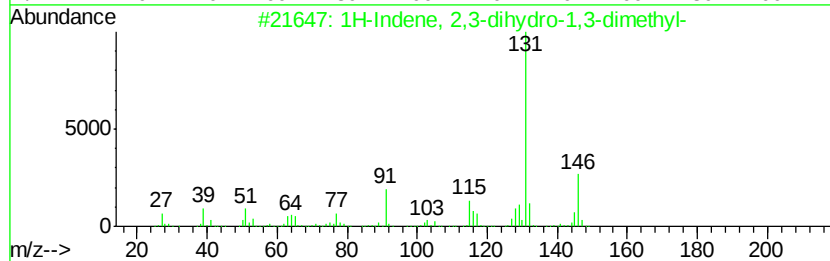
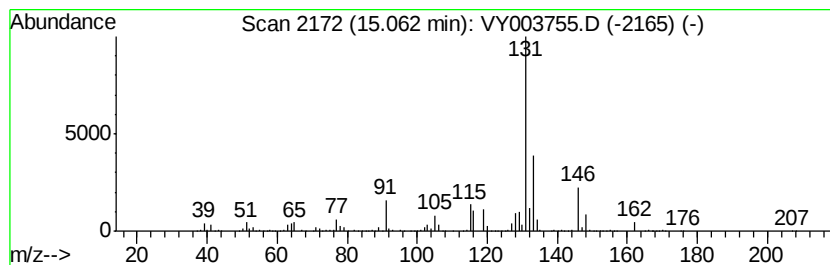
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Quant Title : VOC Analysis

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

Peak Number 35 1H-Indene, 2,3-dihydro-1,3-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.06	117.85 ug/L	1246780	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	64
2		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	64
3		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	64
4		1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	64
5		2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003755.D
Acq On : 14 Dec 2020 18:03
Operator : SY/MD
Sample : L5063-05RE
Misc : 4.19G/10ML/MSVOA Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD7RE

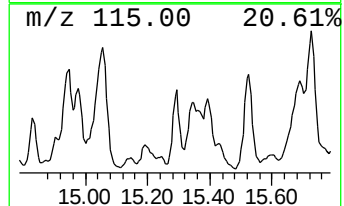
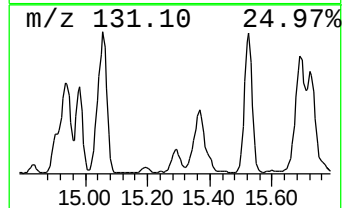
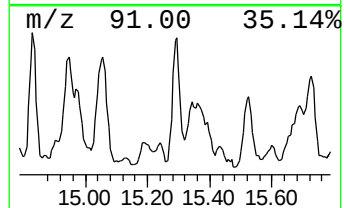
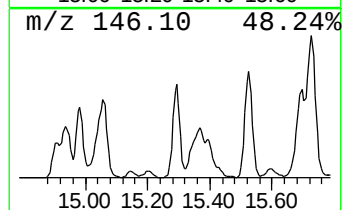
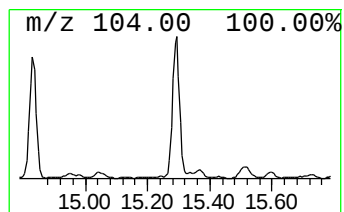
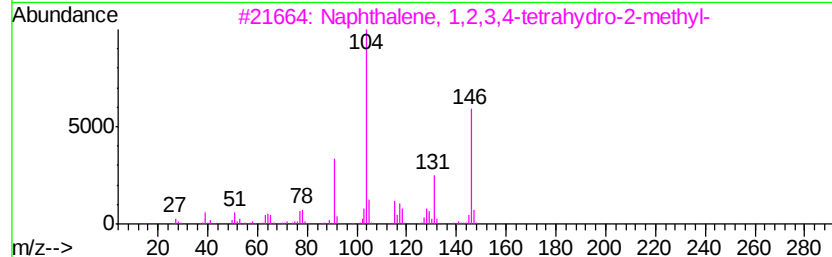
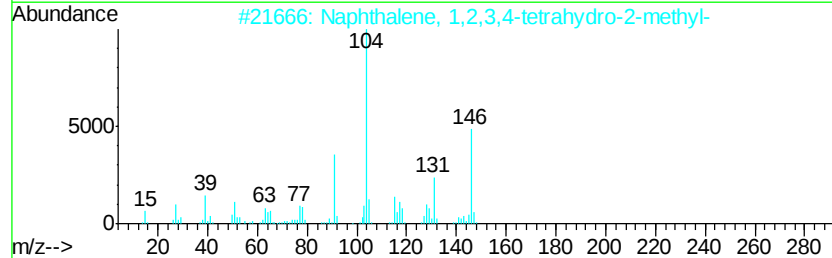
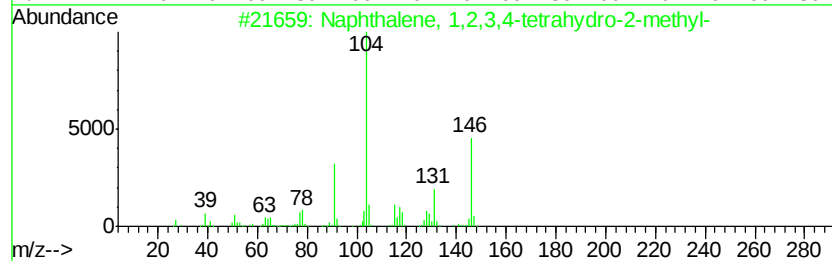
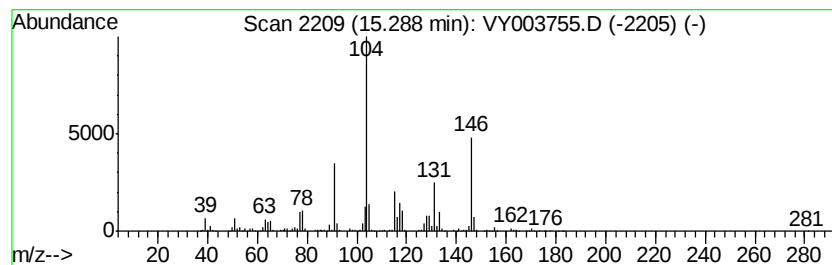
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Quant Title : VOC Analysis

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

Peak Number 37 Naphthalene, 1,2,3,4-tetrahydro... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.29	60.46 ug/L	639658	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro...	146	C11H14	003877-19-8	94
2		Naphthalene, 1,2,3,4-tetrahydro...	146	C11H14	003877-19-8	93
3		Naphthalene, 1,2,3,4-tetrahydro...	146	C11H14	003877-19-8	93
4		Naphthalene, 1,2,3,4-tetrahydro...	146	C11H14	003877-19-8	87
5		2(1H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000530-93-8	76



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003755.D
Acq On : 14 Dec 2020 18:03
Operator : SY/MD
Sample : L5063-05RE
Misc : 4.19G/10ML/MSVOA Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD7RE

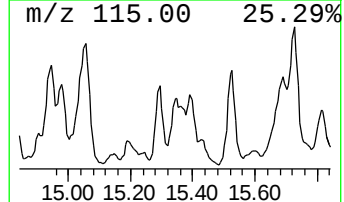
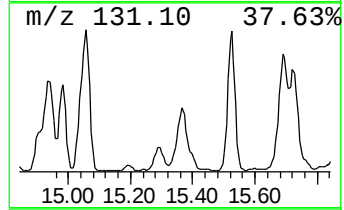
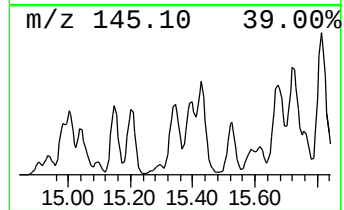
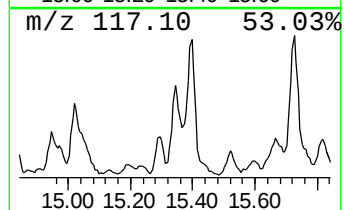
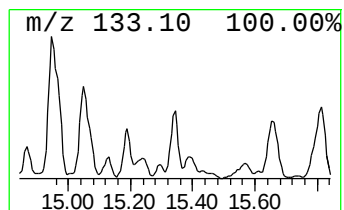
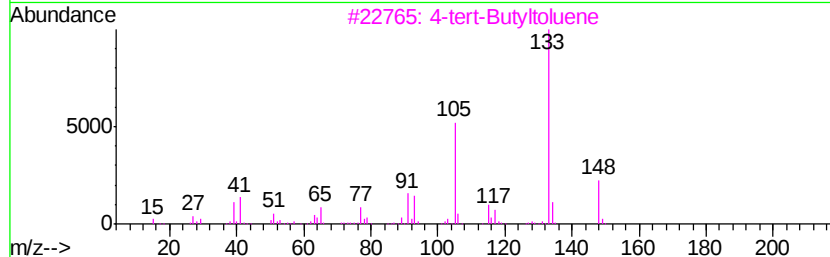
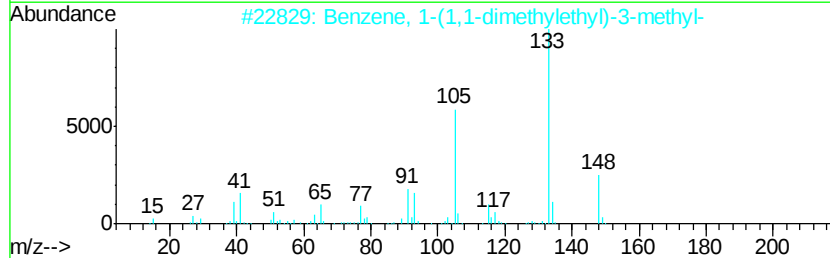
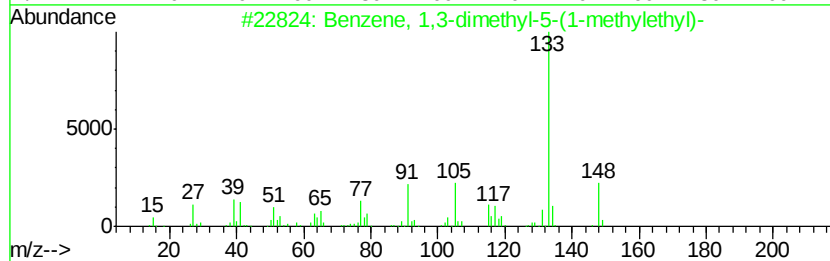
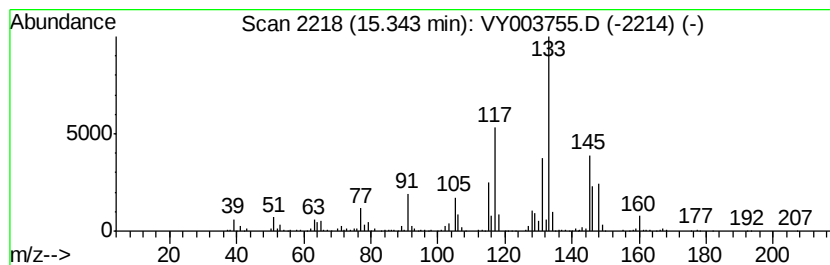
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Quant Title : VOC Analysis

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

Peak Number 38 unknown-02 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	46.66 ug/L	493600	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,3-dimethyl-5-(1-methyl-...	148	C11H16	004706-90-5	46
2		Benzene, 1-(1,1-dimethylethyl)-3...	148	C11H16	001075-38-3	38
3		4-tert-Butyltoluene	148	C11H16	000098-51-1	38
4		Benzene, 2,4-dimethyl-1-(1-methyl-...	148	C11H16	004706-89-2	38
5		2-tert-Butyltoluene	148	C11H16	001074-92-6	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003755.D
Acq On : 14 Dec 2020 18:03
Operator : SY/MD
Sample : L5063-05RE
Misc : 4.19G/10ML/MSVOA Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

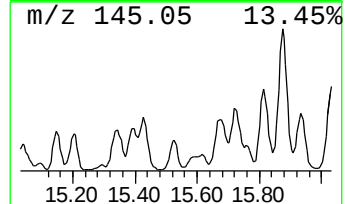
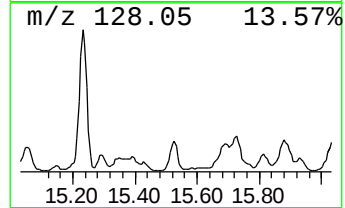
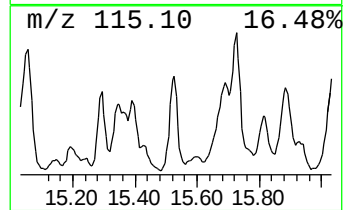
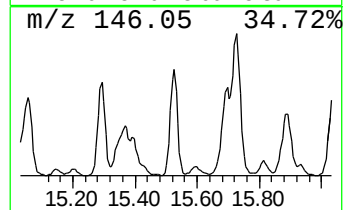
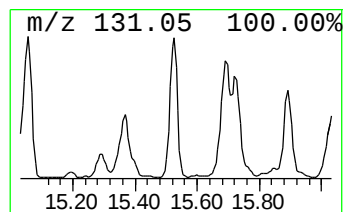
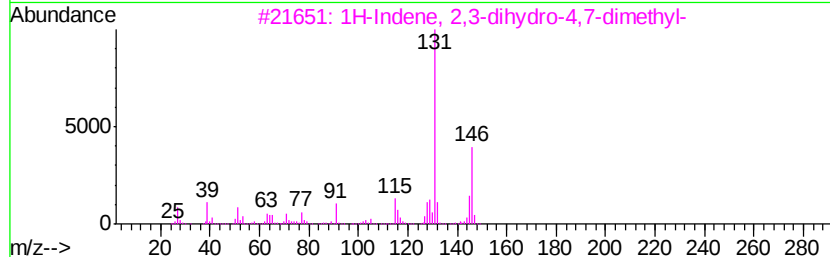
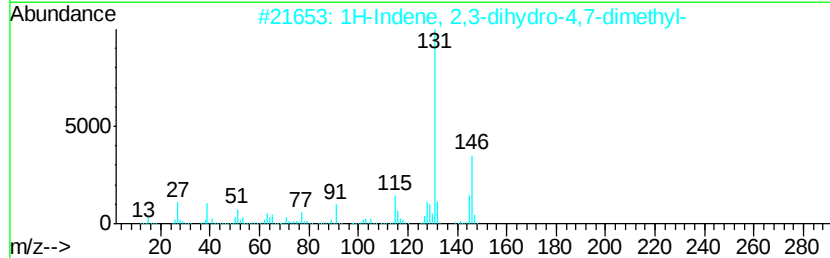
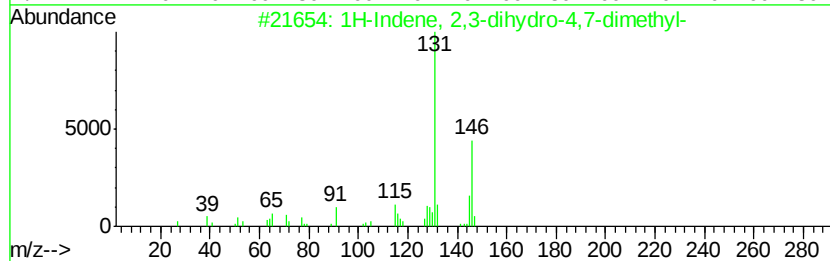
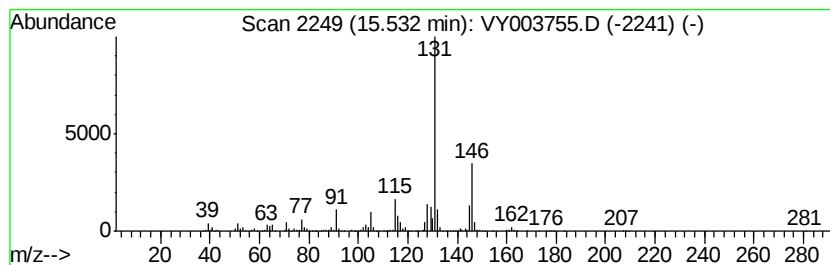
Instrument :
MSVOA_Y
ClientSampleId :
C0AD7RE

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 39 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.53	94.51 ug/L	999917	1,4-Dichlorobenzene-d4	13.42	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	93
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	93
4	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	93
5	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003755.D
Acq On : 14 Dec 2020 18:03
Operator : SY/MD
Sample : L5063-05RE
Misc : 4.19G/10ML/MSVOA Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

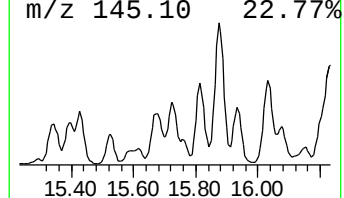
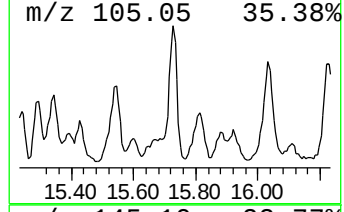
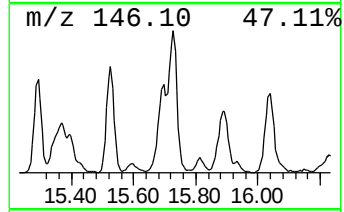
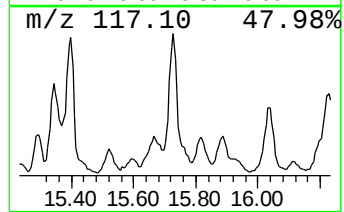
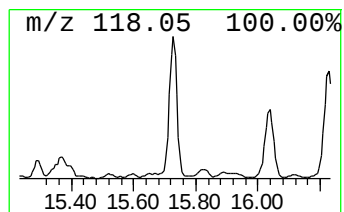
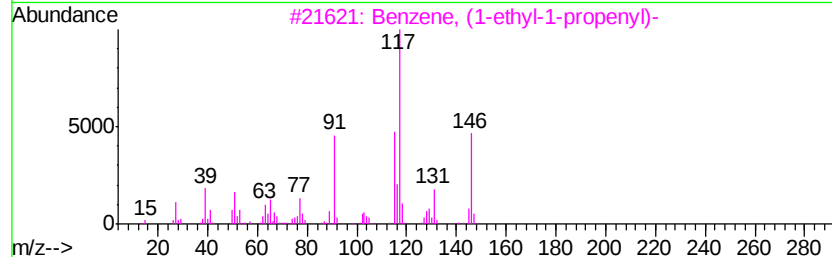
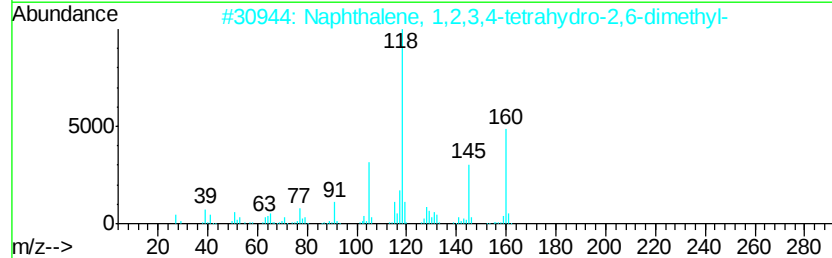
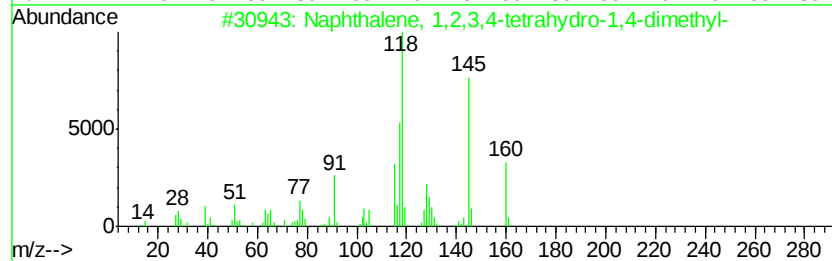
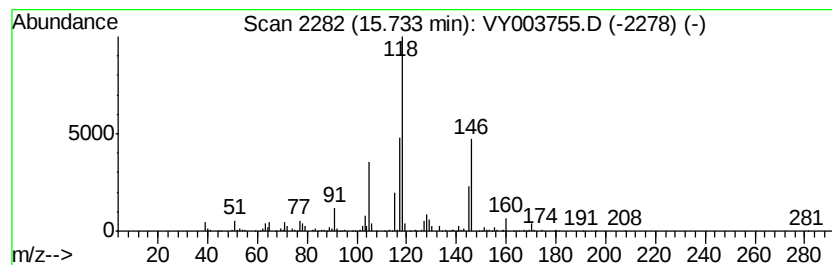
Instrument :
MSVOA_Y
ClientSampleId :
C0AD7RE

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 40 Naphthalene, 1,2,3,4-tetra... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD		R.T.	
15.73	86.58 ug/L	915962	1,4-Dichlorobenzene-d4		13.42	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	58
2		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	007524-63-2	43
3		Benzene, (1-ethyl-1-propenyl)-	146	C11H14	004701-36-4	43
4		Pyridine, 3-(3,4-dihydro-2H-pyrr...	146	C9H10N2	000532-12-7	43
5		Acetonitrile, 2-[4-(cyanomethyl)...]	145	C8H7N3	1000197-65-1	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003755.D
Acq On : 14 Dec 2020 18:03
Operator : SY/MD
Sample : L5063-05RE
Misc : 4.19G/10ML/MSVOA Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD7RE

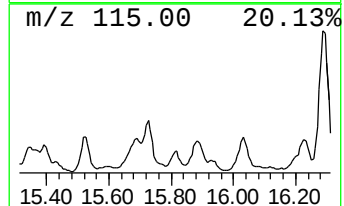
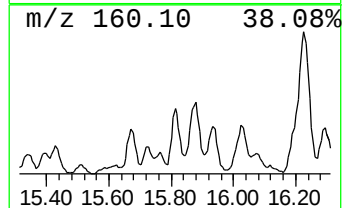
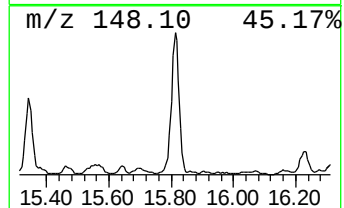
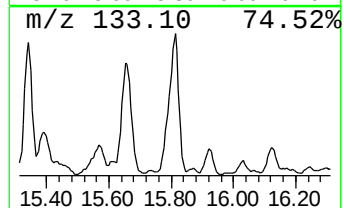
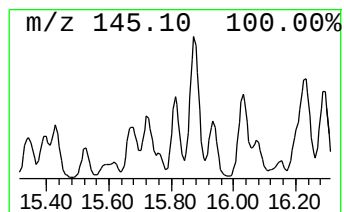
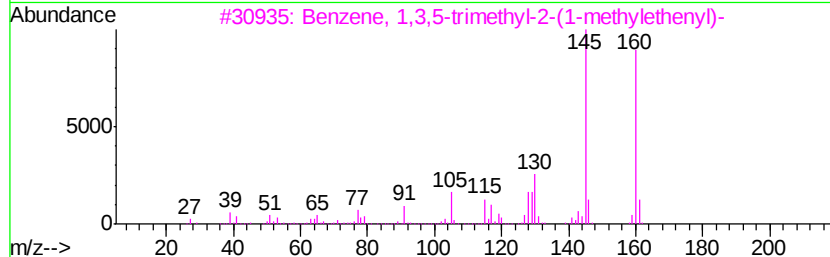
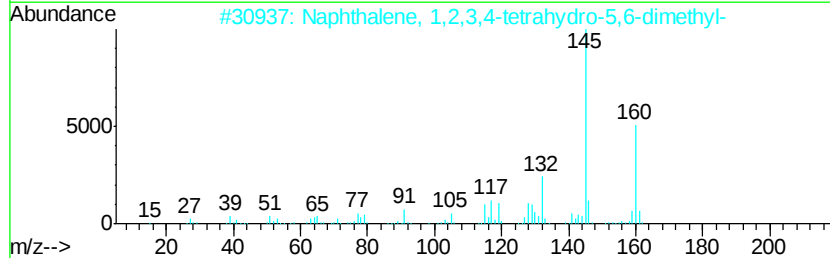
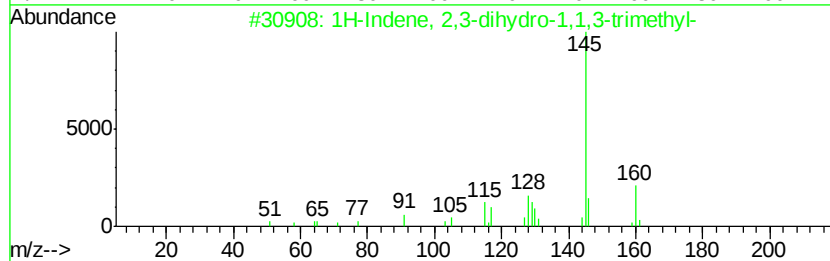
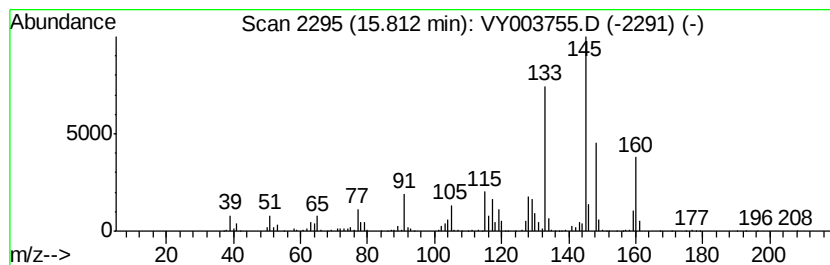
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Quant Title : VOC Analysis

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

Peak Number 41 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.81	48.31 ug/L	511144	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	90
2		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	020027-77-4	70
3		Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	64
4		Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	55
5		Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	55



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003755.D
Acq On : 14 Dec 2020 18:03
Operator : SY/MD
Sample : L5063-05RE
Misc : 4.19G/10ML/MSVOA Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD7RE

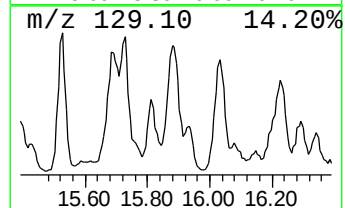
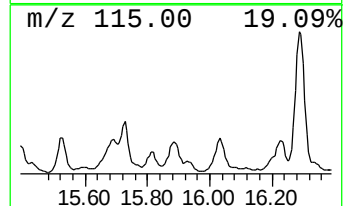
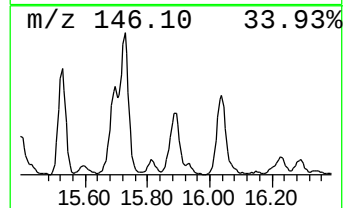
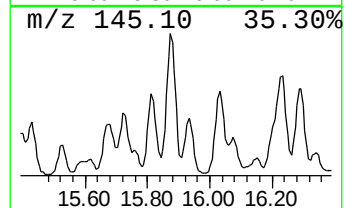
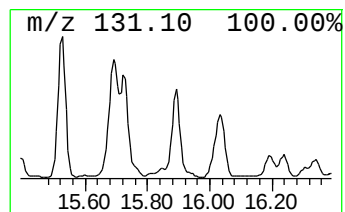
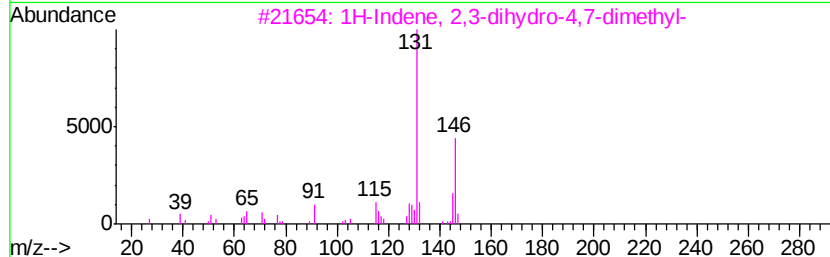
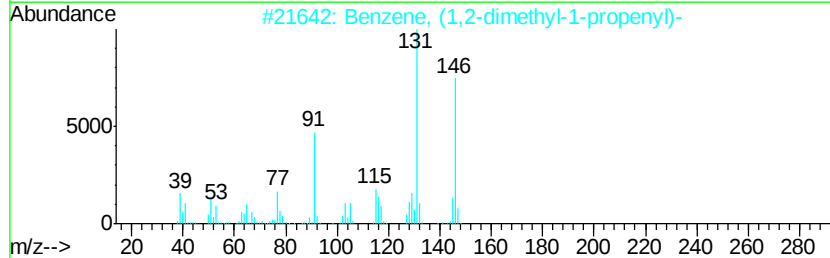
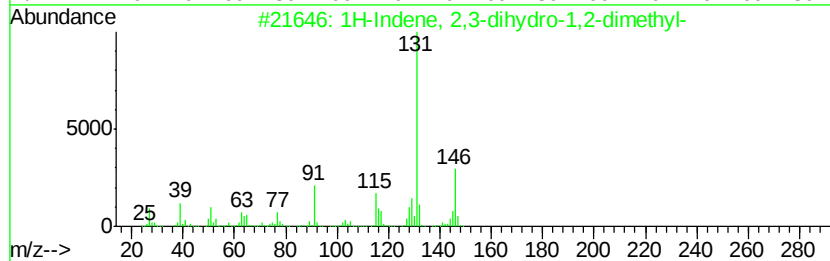
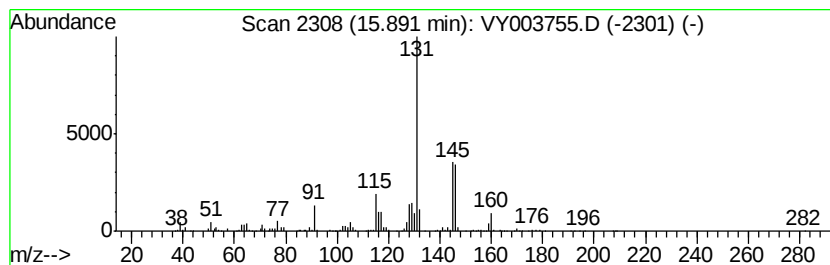
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Quant Title : VOC Analysis

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

Peak Number 42 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.89	73.40 ug/L	776554	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	58
2		Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	53
3		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	53
4		Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	49
5		Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	49



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003755.D
Acq On : 14 Dec 2020 18:03
Operator : SY/MD
Sample : L5063-05RE
Misc : 4.19G/10ML/MSVOA Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD7RE

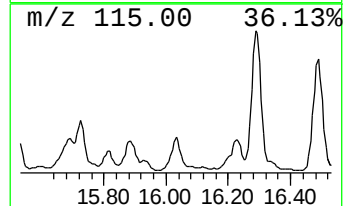
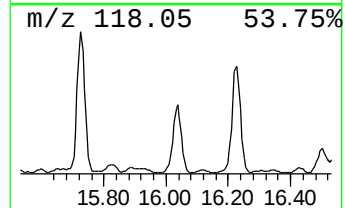
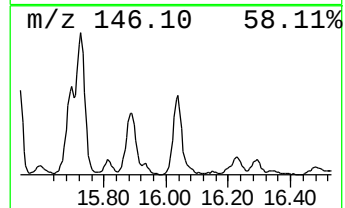
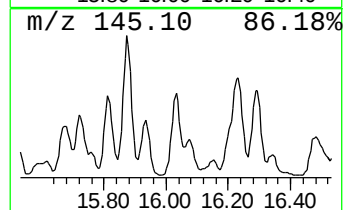
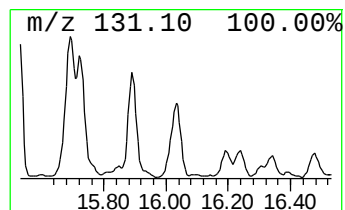
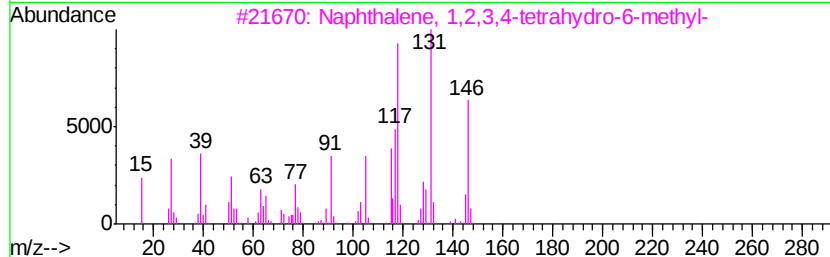
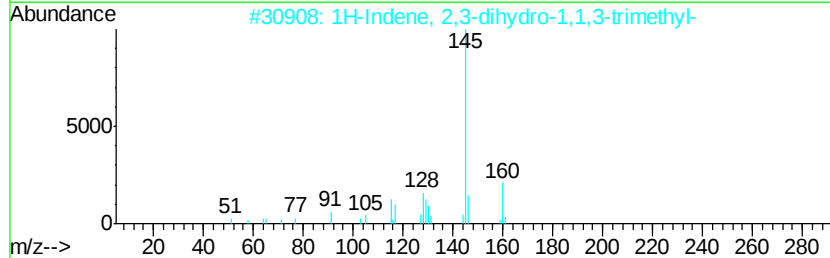
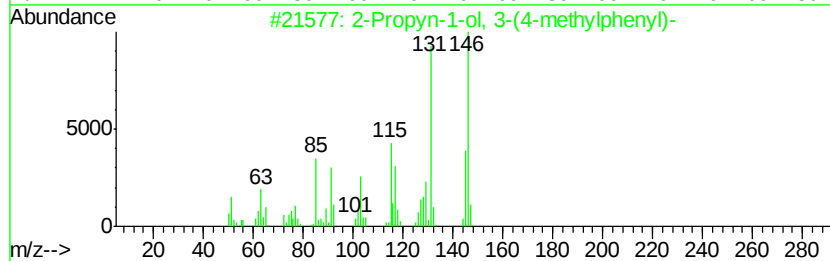
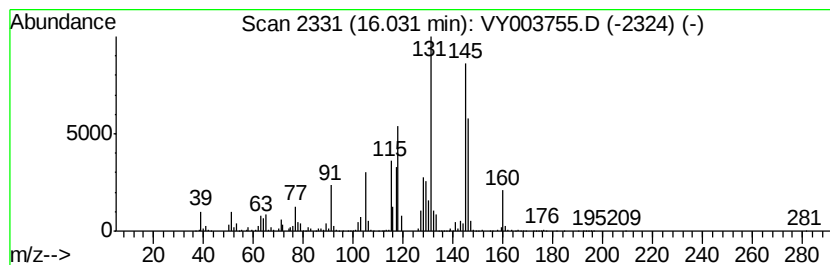
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM121420S.M
Quant Title : VOC Analysis

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

Peak Number 43 2-Propyn-1-ol, 3-(4-methylp... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.03	92.02 ug/L	973583	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Propyn-1-ol, 3-(4-methylphenyl)-	146	C10H10O	016017-24-6	70
2		1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	70
3		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	60
4		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	60
5		Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	55



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003755.D
Acq On : 14 Dec 2020 18:03
Operator : SY/MD
Sample : L5063-05RE
Misc : 4.19G/10ML/MSVOA Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD7RE

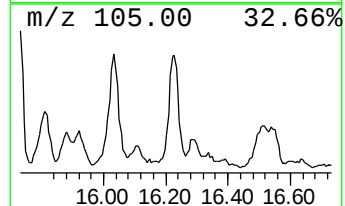
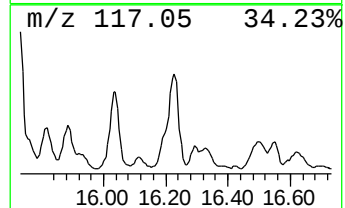
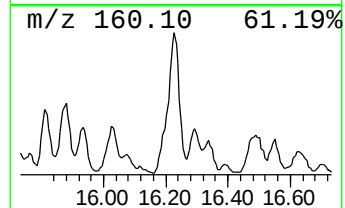
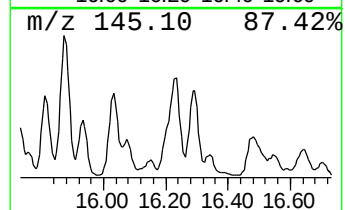
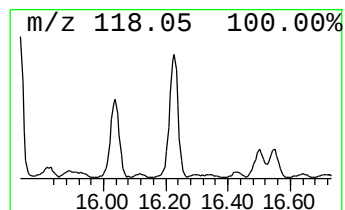
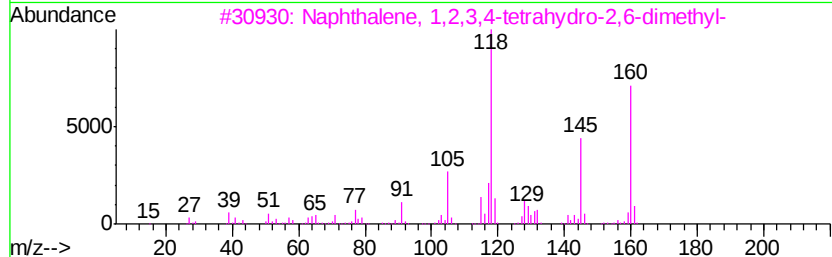
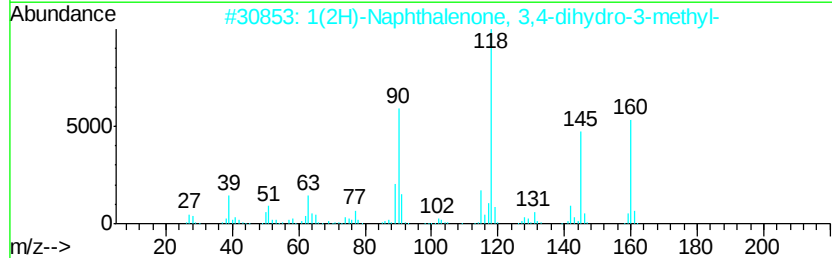
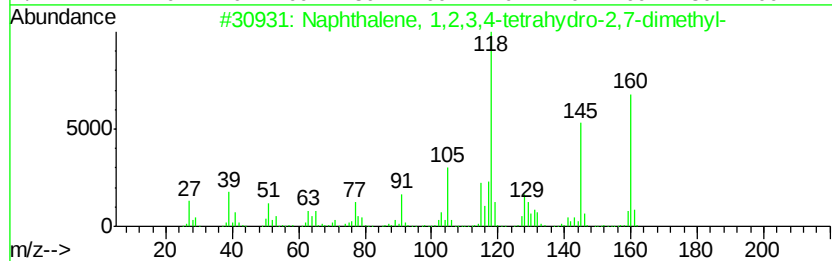
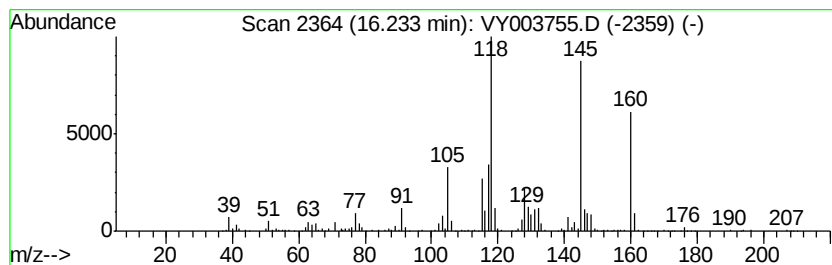
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM121420S.M
Quant Title : VOC Analysis

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

Peak Number 44 Naphthalene, 1,2,3,4-tetra... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.23	54.27 ug/L	574132	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	91
2		1(2H)-Naphthalenone, 3,4-dihydro...	160	C11H12O	014944-23-1	72
3		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	007524-63-2	72
4		Benzene, 1-(1-methylethenyl)-2-(...	160	C12H16	005557-93-7	70
5		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	007524-63-2	70



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003755.D
Acq On : 14 Dec 2020 18:03
Operator : SY/MD
Sample : L5063-05RE
Misc : 4.19G/10ML/MSVOA Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD7RE

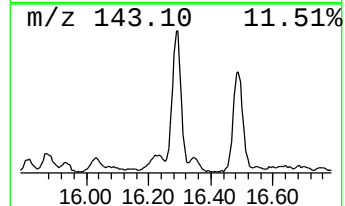
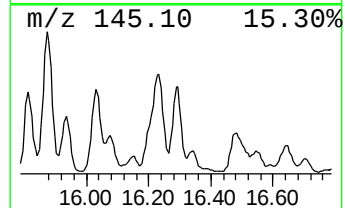
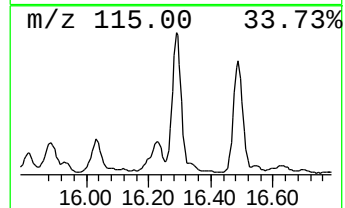
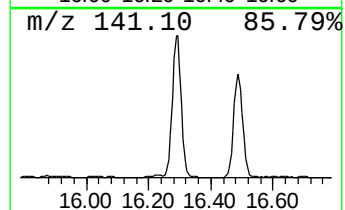
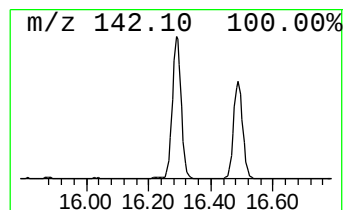
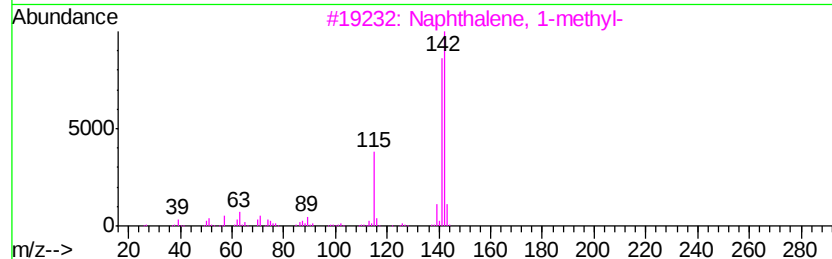
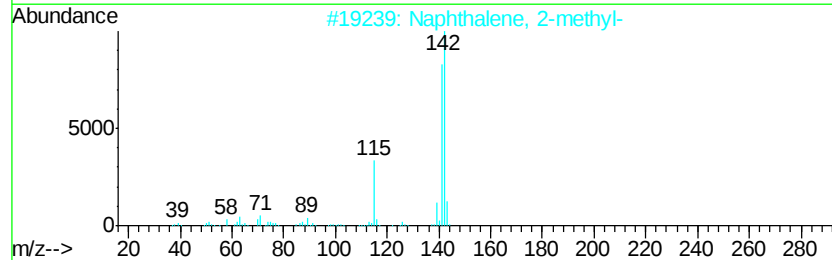
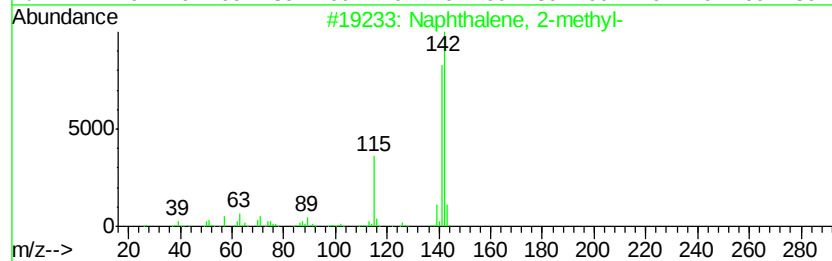
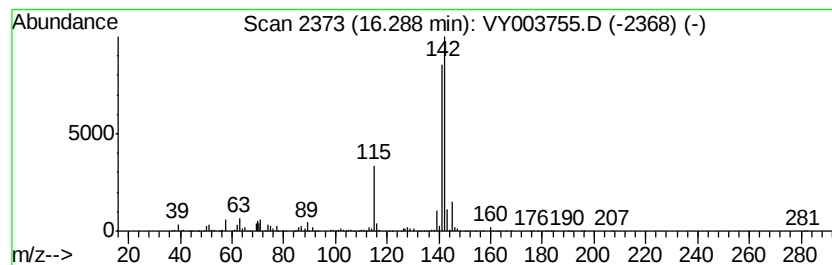
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Quant Title : VOC Analysis

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

Peak Number 45 Naphthalene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.29	166.93 ug/L	1766010	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
4		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	93
5		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003755.D
Acq On : 14 Dec 2020 18:03
Operator : SY/MD
Sample : L5063-05RE
Misc : 4.19G/10ML/MSVOA Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD7RE

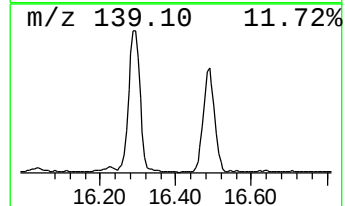
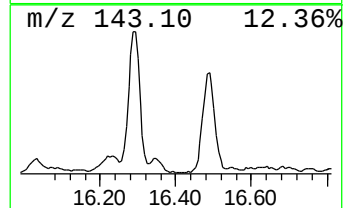
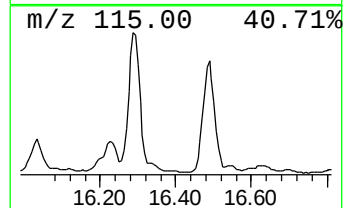
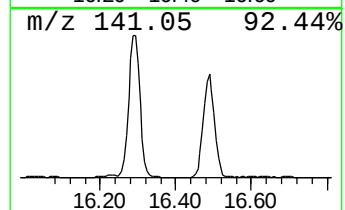
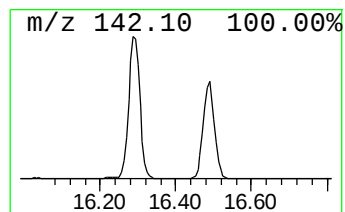
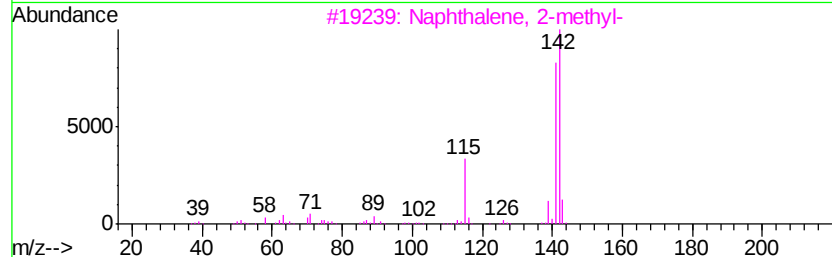
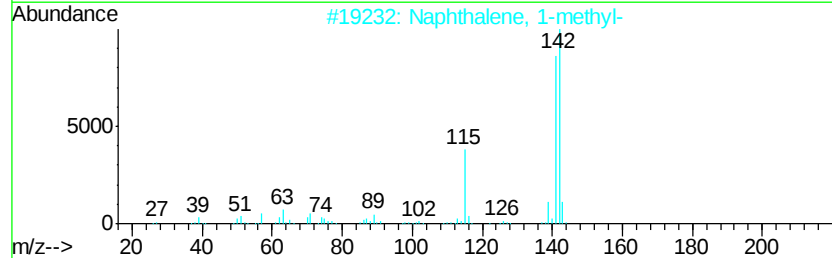
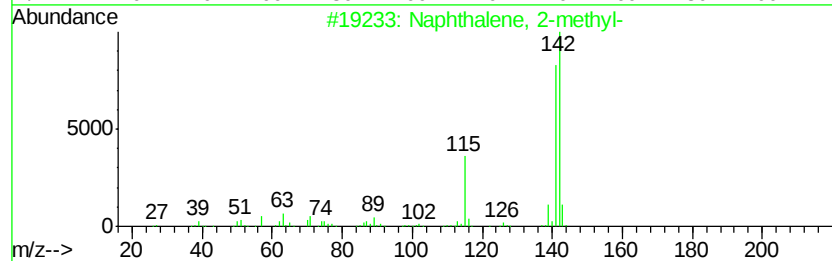
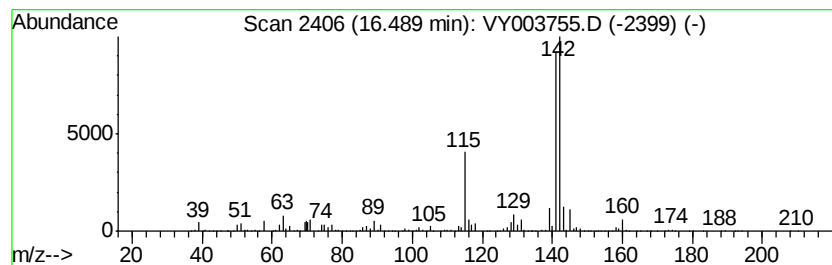
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM121420S.M
Quant Title : VOC Analysis

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

Peak Number 46 1,4-Methanonaphthalene, 1,4... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.49	177.64 ug/L	1879400	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
4		1,4-Methanonaphthalene, 1,4-dihv...	142	C11H10	004453-90-1	91
5		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY121420\
 Data File : VY003755.D
 Acq On : 14 Dec 2020 18:03
 Operator : SY/MD
 Sample : L5063-05RE
 Misc : 4.19G/10ML/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 C0AD7RE

Quant Method : Z:\VOASRV\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
(DEL) Alkane: Cyc...	12.64	4.2	ug/L	44639	3	13.42	264491	25.0
Benzene, 1,2,4-tr...	13.12	17.9	ug/L	189344	3	13.42	264491	25.0
Benzene, 2-ethyl-...	13.66	30.7	ug/L	324871	3	13.42	264491	25.0
Benzene, 1-methyl...	13.82	18.8	ug/L	198656	3	13.42	264491	25.0
Benzene, 4-ethyl-...	13.89	35.0	ug/L	370340	3	13.42	264491	25.0
Benzene, 1-ethyl-...	13.92	34.4	ug/L	363860	3	13.42	264491	25.0
Benzene, 2-ethyl-...	13.97	47.9	ug/L	506928	3	13.42	264491	25.0
3-Phenylbut-1-ene	14.08	64.7	ug/L	684648	3	13.42	264491	25.0
Benzene, 1,2,3,5-...	14.21	20.2	ug/L	213268	3	13.42	264491	25.0
Benzene, 1,2,4,5-...	14.29	47.3	ug/L	500361	3	13.42	264491	25.0
Benzene, 1-ethyl-...	14.33	80.7	ug/L	853553	3	13.42	264491	25.0
Benzene, 2,4-diet...	14.38	22.6	ug/L	238642	3	13.42	264491	25.0
unknown-01	14.42	28.3	ug/L	299862	3	13.42	264491	25.0
Benzene, (3-methy...	14.52	24.9	ug/L	263706	3	13.42	264491	25.0
1H-Indene, 2,3-di...	14.56	30.5	ug/L	322656	3	13.42	264491	25.0
Benzene, 1-methyl...	14.61	38.3	ug/L	405257	3	13.42	264491	25.0
1,3-Cyclopentadie...	14.67	208.9	ug/L	2210290	3	13.42	264491	25.0
Naphthalene, 1,2,...	14.83	32.5	ug/L	343620	3	13.42	264491	25.0
Benzene, 1,4-diet...	14.95	78.2	ug/L	827757	3	13.42	264491	25.0
1H-Indene, 2,3-di...	15.06	117.8	ug/L	1246780	3	13.42	264491	25.0
Naphthalene, 1,2,...	15.29	60.5	ug/L	639658	3	13.42	264491	25.0
unknown-02	15.34	46.7	ug/L	493600	3	13.42	264491	25.0
1H-Indene, 2,3-di...	15.53	94.5	ug/L	999917	3	13.42	264491	25.0
Naphthalene, 1,2,...	15.73	86.6	ug/L	915962	3	13.42	264491	25.0
1H-Indene, 2,3-di...	15.81	48.3	ug/L	511144	3	13.42	264491	25.0
1H-Indene, 2,3-di...	15.89	73.4	ug/L	776554	3	13.42	264491	25.0
2-Propyn-1-ol, 3-...	16.03	92.0	ug/L	973583	3	13.42	264491	25.0
Naphthalene, 1,2,...	16.23	54.3	ug/L	574132	3	13.42	264491	25.0
Naphthalene, 1-me...	16.29	166.9	ug/L	1766010	3	13.42	264491	25.0
1,4-Methanonaphth...	16.49	177.6	ug/L	1879400	3	13.42	264491	25.0