

Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121420\
 Data File : VY003761.D
 Acq On : 14 Dec 2020 20:20
 Operator : SY/MD
 Sample : L5063-08RE
 Misc : 4.78G/10ML/MSVOA Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 C0AE0RE

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	2.247	65	70	79	rBV	56442	90925	7.28%	0.590%
2	2.388	92	93	96	rVB2	1305	850	0.07%	0.006%
3	2.430	98	100	101	rBV	765	498	0.04%	0.003%
4	2.772	149	156	166	rBV	43642	82766	6.63%	0.537%
5	3.052	201	202	205	rVB3	877	808	0.06%	0.005%
6	3.241	230	233	239	rVB4	739	1547	0.12%	0.010%
7	3.302	239	243	244	rBV3	561	520	0.04%	0.003%
8	3.595	289	291	294	rVB3	467	578	0.05%	0.004%
9	3.704	307	309	312	rVB2	504	586	0.05%	0.004%
10	3.863	324	335	346	rBV	84672	228476	18.29%	1.484%
11	4.021	358	361	363	rVB2	577	677	0.05%	0.004%
12	4.052	363	366	368	rBV3	464	594	0.05%	0.004%
13	4.076	368	370	374	rVV	423	473	0.04%	0.003%
14	4.217	386	393	397	rVV6	1347	3067	0.25%	0.020%
15	4.418	422	426	428	rBV5	547	834	0.07%	0.005%
16	4.485	433	437	440	rVV3	361	629	0.05%	0.004%
17	4.729	469	477	490	rVV3	14672	47391	3.79%	0.308%
18	4.838	494	495	500	rVB3	492	548	0.04%	0.004%
19	4.912	504	507	508	rBV2	492	493	0.04%	0.003%
20	4.936	508	511	512	rVV2	799	842	0.07%	0.005%
21	4.954	512	514	521	rVB3	830	1490	0.12%	0.010%
22	5.741	642	643	646	rBV3	1005	1387	0.11%	0.009%
23	6.899	822	833	841	rBV2	21973	62270	4.99%	0.404%
24	6.997	841	849	867	rVB	17297	58870	4.71%	0.382%
25	7.362	907	909	914	rVB4	643	809	0.06%	0.005%
26	7.490	920	930	943	rVB	96278	246258	19.72%	1.599%
27	7.594	945	947	951	rVB4	512	736	0.06%	0.005%
28	7.624	951	952	955	rBV3	521	538	0.04%	0.003%
29	8.118	1024	1033	1047	rBV2	198819	604207	48.38%	3.924%
30	8.563	1103	1106	1109	rVB3	417	545	0.04%	0.004%
31	8.697	1118	1128	1139	rVB	169587	337606	27.03%	2.192%
32	8.929	1155	1166	1173	rBV	8822	16786	1.34%	0.109%
33	9.124	1190	1198	1208	rBV2	132768	264438	21.17%	1.717%
34	9.892	1317	1324	1331	rVV	81481	143160	11.46%	0.930%

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35	10.063	1348	1352	1359	rBV3	1301	2218	0.18%	0.014%
36	10.179	1363	1371	1378	rVV	247968	428219	34.29%	2.781%
37	10.240	1378	1381	1387	rVB2	4407	7382	0.59%	0.048%
38	10.368	1401	1402	1405	rVB2	673	472	0.04%	0.003%
39	10.441	1405	1414	1422	rBV	52138	91285	7.31%	0.593%
40	10.581	1430	1437	1448	rVB3	15041	29628	2.37%	0.192%
41	10.685	1451	1454	1457	rBV2	718	517	0.04%	0.003%
42	10.721	1457	1460	1463	rVB3	1332	1905	0.15%	0.012%
43	10.789	1463	1471	1482	rBV	86698	139691	11.19%	0.907%
44	10.953	1491	1498	1506	rBV	17777	36267	2.90%	0.236%
45	11.093	1517	1521	1524	rVB5	1664	2116	0.17%	0.014%
46	11.191	1533	1537	1543	rVB6	1450	2391	0.19%	0.016%
47	11.319	1549	1558	1566	rVB4	9380	18405	1.47%	0.120%
48	11.490	1578	1586	1593	rBV	210611	342550	27.43%	2.224%
49	11.587	1599	1602	1603	rBV3	1061	1214	0.10%	0.008%
50	11.624	1604	1608	1612	rVB6	3269	5418	0.43%	0.035%
51	11.685	1612	1618	1620	rBV6	2692	4739	0.38%	0.031%
52	11.740	1625	1627	1628	rBV	1528	1024	0.08%	0.007%
53	11.837	1639	1643	1648	rBV7	2227	5069	0.41%	0.033%
54	11.892	1650	1652	1656	rVB4	2499	3334	0.27%	0.022%
55	11.996	1663	1669	1675	rBV6	5755	15125	1.21%	0.098%
56	12.087	1681	1684	1685	rBV3	1107	1361	0.11%	0.009%
57	12.203	1698	1703	1704	rBV3	6230	8684	0.70%	0.056%
58	12.489	1743	1750	1755	rVB	18926	33896	2.71%	0.220%
59	12.556	1755	1761	1768	rBV	89460	151995	12.17%	0.987%
60	12.642	1771	1775	1782	rVB3	33228	53640	4.30%	0.348%
61	12.727	1784	1789	1793	rBV7	8597	18156	1.45%	0.118%
62	12.813	1797	1803	1811	rVB	133131	217726	17.43%	1.414%
63	12.971	1822	1829	1838	rVB	57009	122466	9.81%	0.795%
64	13.123	1850	1854	1858	rBV6	12200	22203	1.78%	0.144%
65	13.245	1870	1874	1878	rBV3	19043	35080	2.81%	0.228%
66	13.306	1881	1884	1889	rVB	33875	55736	4.46%	0.362%
67	13.422	1898	1903	1912	rBV2	129994	215531	17.26%	1.400%
68	13.623	1931	1936	1938	rBV2	37486	63343	5.07%	0.411%
69	13.660	1938	1942	1947	rVV	249559	348926	27.94%	2.266%
70	13.721	1947	1952	1962	rVB3	136273	360868	28.90%	2.343%
71	13.818	1964	1968	1973	rBV	105395	150963	12.09%	0.980%

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72	13.886	1974	1979	1981	rBV	104803	162151	12.98%	1.053%
73	13.910	1981	1983	1988	rVB	116912	151697	12.15%	0.985%
74	13.971	1988	1993	1998	rVB	141753	217077	17.38%	1.410%
75	14.032	1999	2003	2006	rBV	36090	54267	4.35%	0.352%
76	14.075	2006	2010	2015	rVB	233219	344254	27.57%	2.236%
77	14.129	2015	2019	2027	rVB4	72686	172633	13.82%	1.121%
78	14.209	2028	2032	2036	rBV2	83792	131367	10.52%	0.853%
79	14.251	2036	2039	2043	rBV3	71415	108965	8.73%	0.708%
80	14.294	2043	2046	2048	rBV	107649	134973	10.81%	0.877%
81	14.331	2048	2052	2057	rVB	494079	721134	57.74%	4.683%
82	14.379	2057	2060	2063	rBV	102041	135222	10.83%	0.878%
83	14.416	2063	2066	2070	rBV2	147781	184351	14.76%	1.197%
84	14.513	2077	2082	2086	rBV2	89940	151134	12.10%	0.981%
85	14.568	2086	2091	2094	rBV2	92041	157615	12.62%	1.024%
86	14.611	2094	2098	2102	rVB	178693	248307	19.88%	1.612%
87	14.672	2102	2108	2115	rBV3	621310	1248866	100.00%	8.110%
88	14.739	2115	2119	2124	rBV3	86227	164286	13.15%	1.067%
89	14.830	2132	2134	2137	rBV2	52299	58128	4.65%	0.377%
90	14.940	2147	2152	2155	rBV3	426071	754515	60.42%	4.900%
91	15.050	2165	2170	2178	rVB2	546665	1157951	92.72%	7.520%
92	15.190	2189	2193	2200	rBV3	116736	282233	22.60%	1.833%
93	15.288	2205	2209	2213	rBV	179771	298017	23.86%	1.935%
94	15.343	2214	2218	2221	rBV2	138178	244525	19.58%	1.588%
95	15.525	2242	2248	2254	rBV	330680	644400	51.60%	4.185%
96	15.812	2291	2295	2300	rVB3	217873	372462	29.82%	2.419%
97	15.879	2301	2306	2312	rBV3	220269	487251	39.02%	3.164%
98	16.031	2325	2331	2336	rBV2	250973	505751	40.50%	3.284%
99	16.288	2369	2373	2378	rVB	202039	325352	26.05%	2.113%
100	16.483	2399	2405	2414	rBV3	220002	578375	46.31%	3.756%

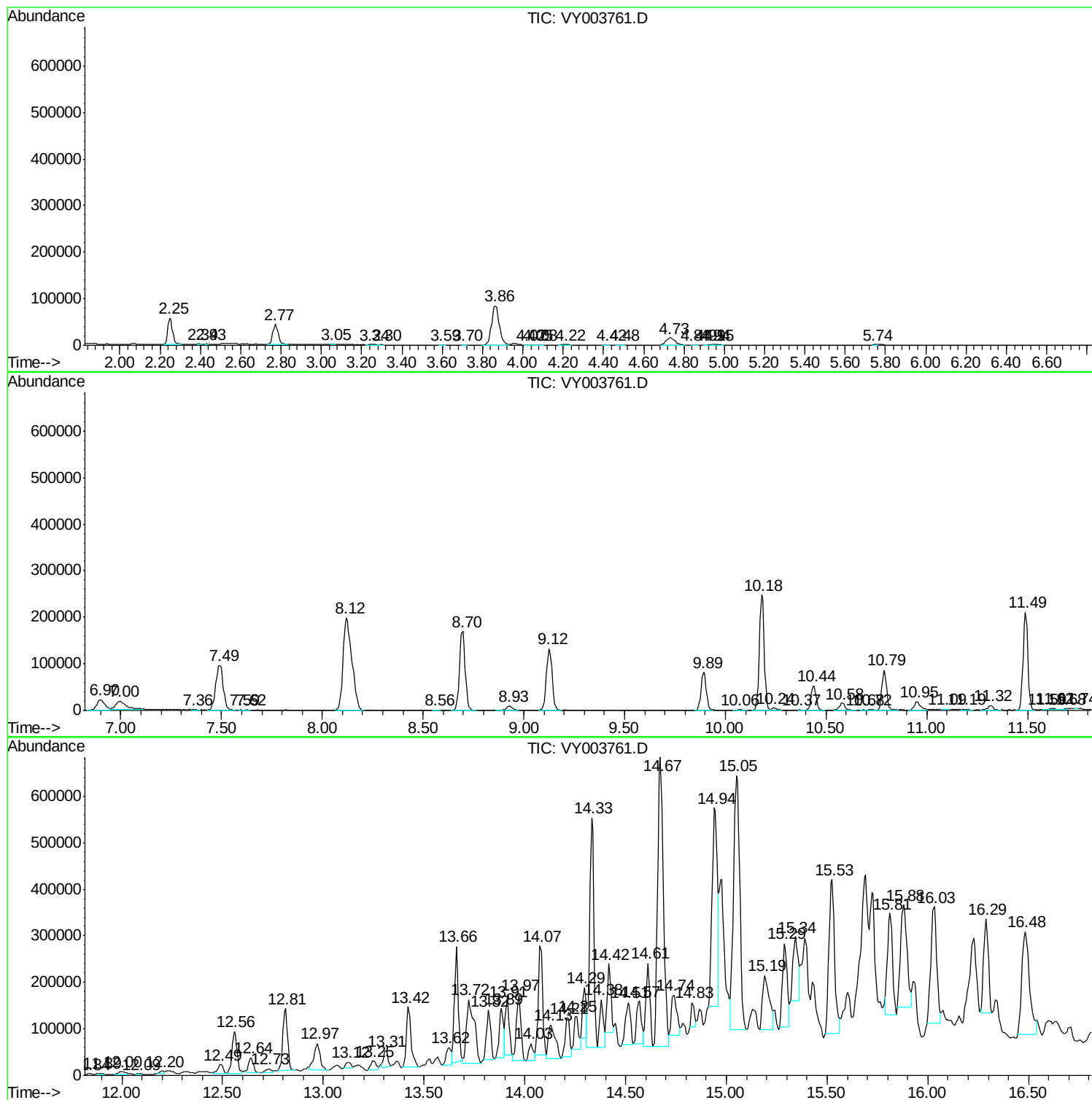
Sum of corrected areas: 15399004

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ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AE0RE

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



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Instrument :
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COAEORE

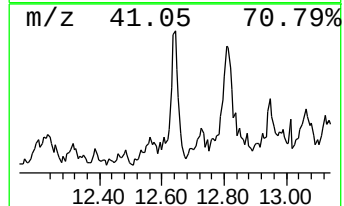
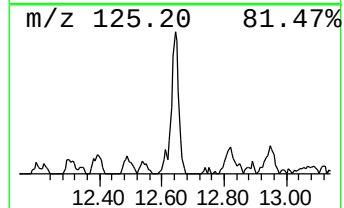
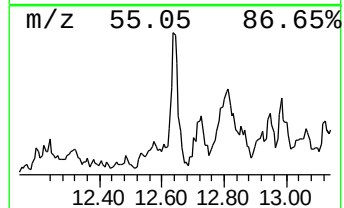
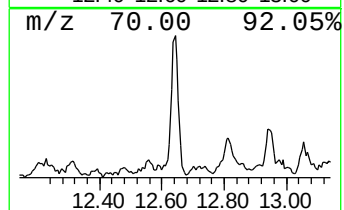
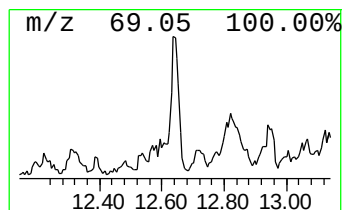
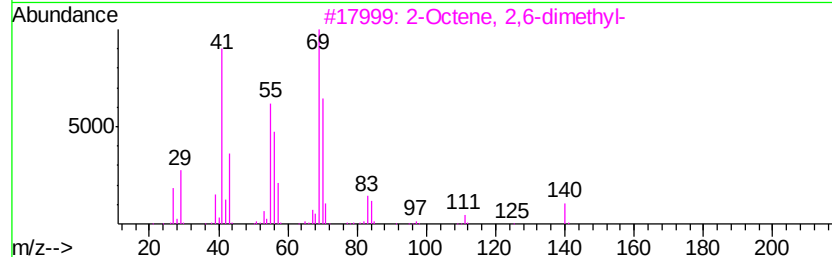
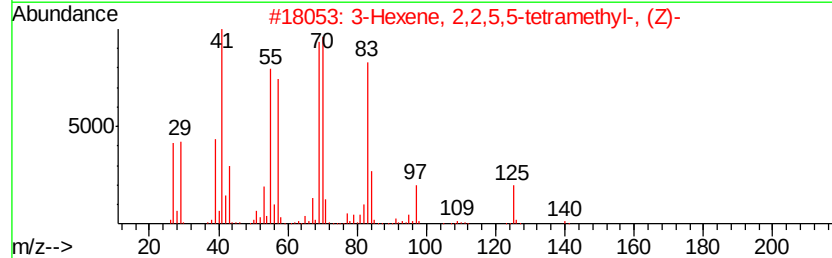
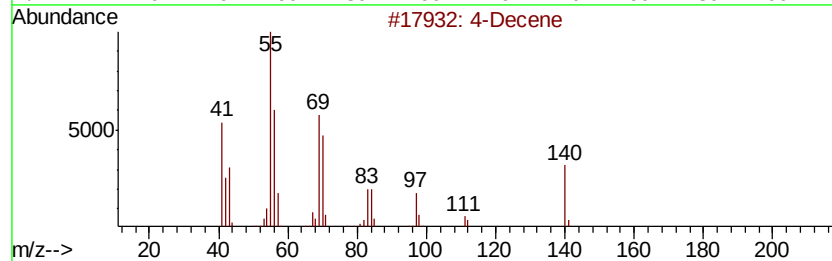
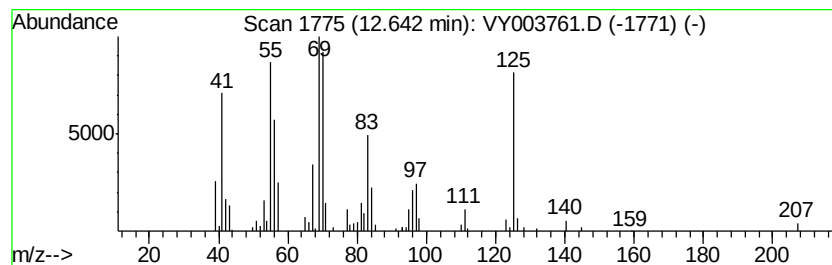
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM121420S.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.64	6.22 ug/L	53640	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Decene		140	C10H20	019689-18-0	49
2	3-Hexene, 2,2,5,5-tetramethyl-, ...		140	C10H20	000692-47-7	47
3	2-Octene, 2,6-dimethyl-		140	C10H20	004057-42-5	43
4	1-Decene		140	C10H20	000872-05-9	38
5	Zinc, bis[2-(1,1-dimethylethyl)-...		314	C18H34Zn	074793-36-5	38



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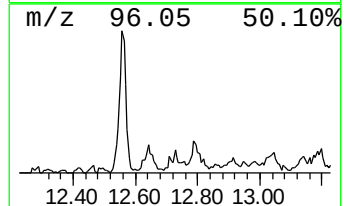
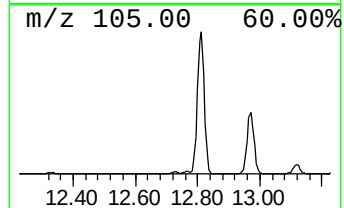
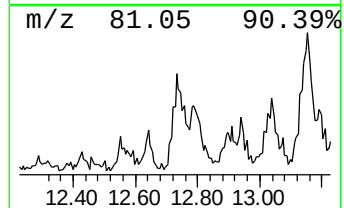
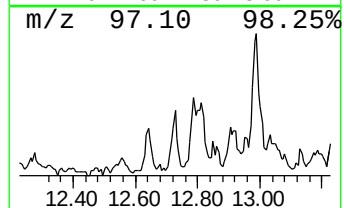
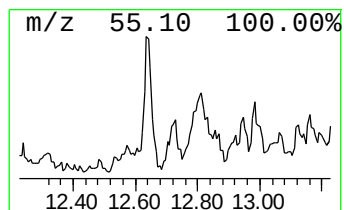
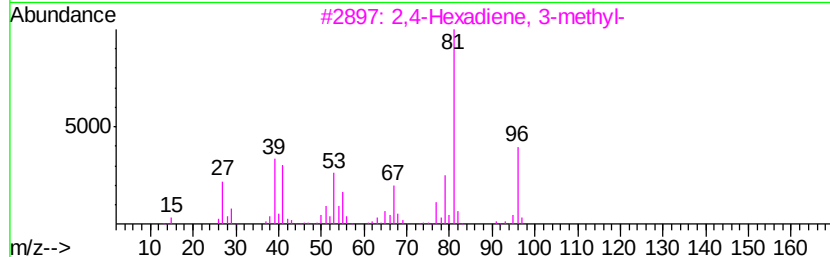
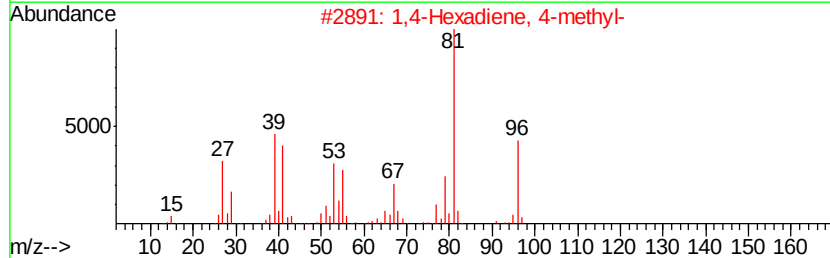
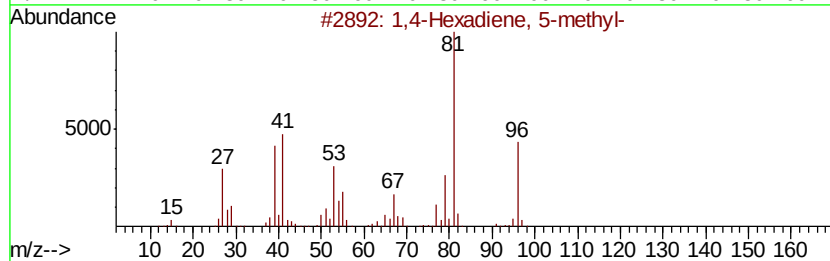
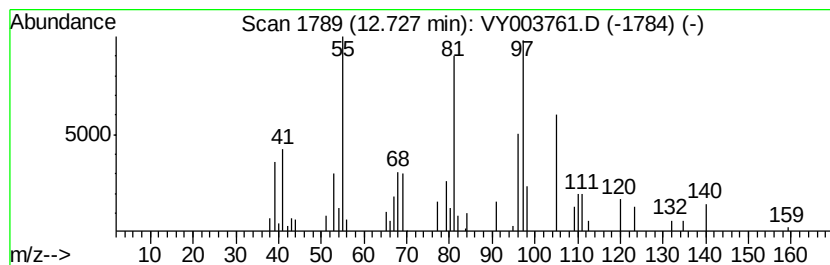
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Quant Title : VOC Analysis

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

Peak Number 8 1,4-Hexadiene, 5-methyl- Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.73	2.11 ug/L	18156	1,4-Dichlorobenzene-d4	13.42

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,4-Hexadiene, 5-methyl-	96	C7H12	000763-88-2	80
2			1,4-Hexadiene, 4-methyl-	96	C7H12	001116-90-1	42
3			2,4-Hexadiene, 3-methyl-	96	C7H12	028823-42-9	38
4			1,3-Pentadiene, 2,4-dimethyl-	96	C7H12	001000-86-8	38
5			Cyclohexane, 1-methyl-4-(1-methyl-...)	140	C10H20	006069-98-3	38



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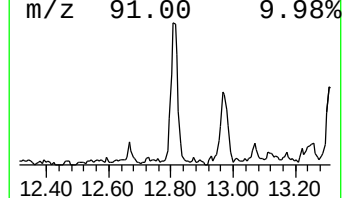
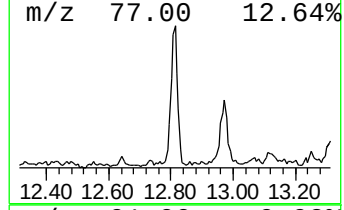
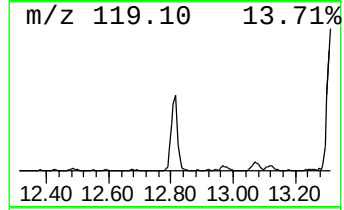
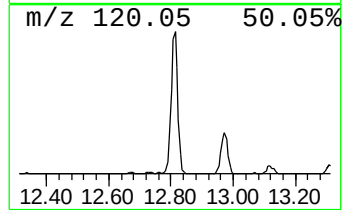
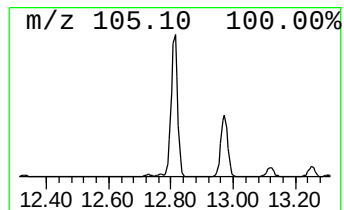
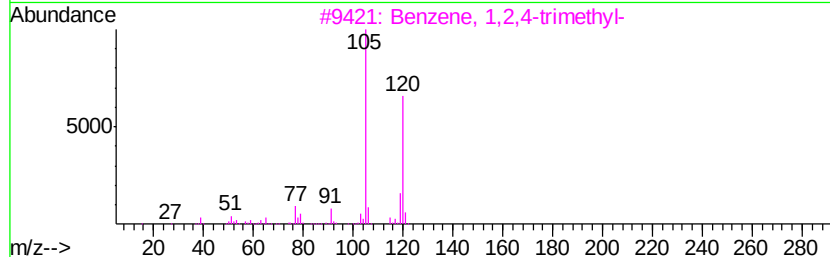
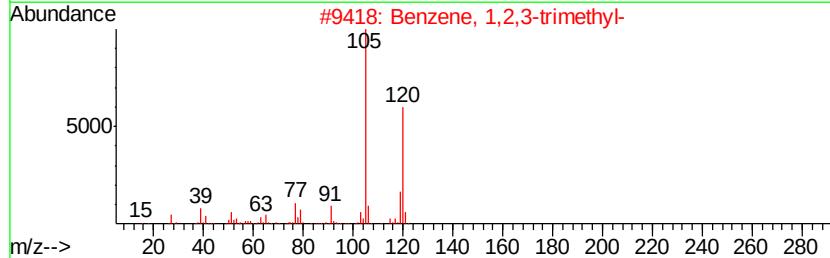
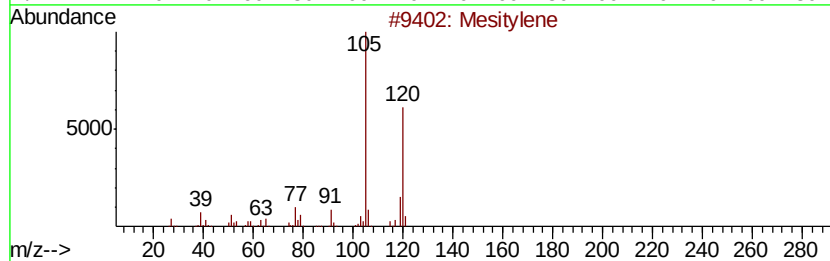
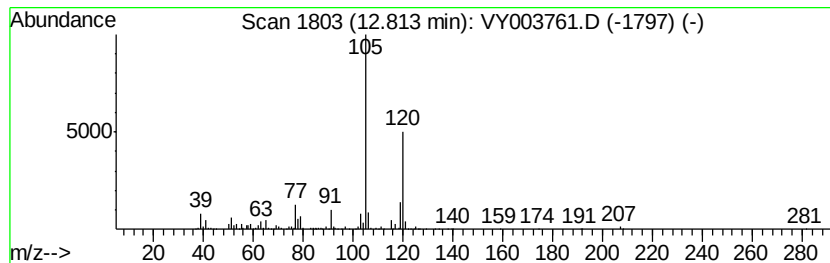
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Peak Number 9 Mesitylene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.81	25.25 ug/L	217726	1,4-Dichlorobenzene-d4	13.42

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Mesitylene		120	C9H12	000108-67-8	97
2	Benzene, 1,2,3-trimethyl-		120	C9H12	000526-73-8	97
3	Benzene, 1,2,4-trimethyl-		120	C9H12	000095-63-6	95
4	Mesitylene		120	C9H12	000108-67-8	95
5	Benzene, 1,2,3-trimethyl-		120	C9H12	000526-73-8	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121420\
Data File : VY003761.D
Acq On : 14 Dec 2020 20:20
Operator : SY/MD
Sample : L5063-08RE
Misc : 4.78G/10ML/MSVOA Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

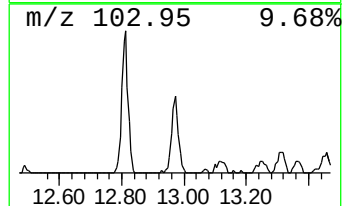
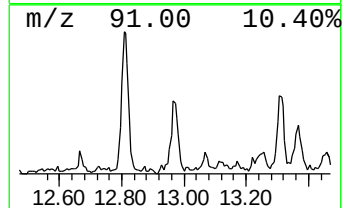
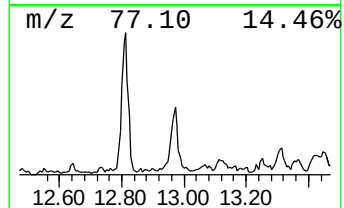
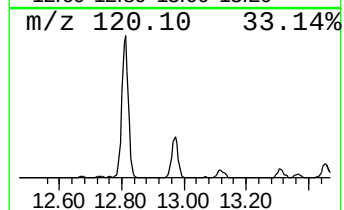
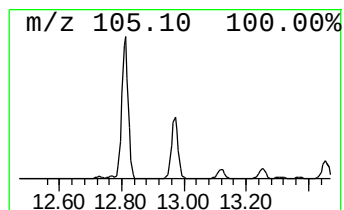
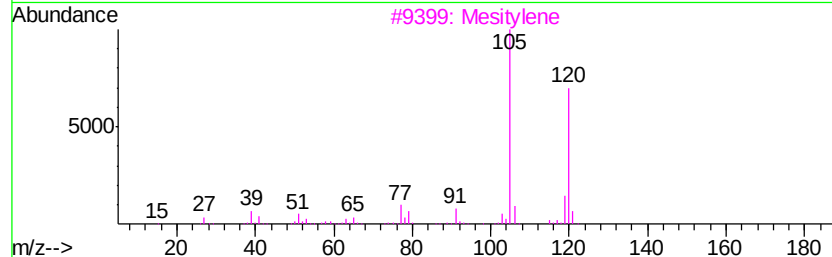
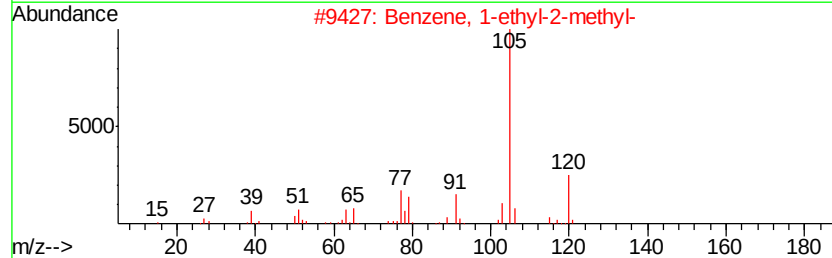
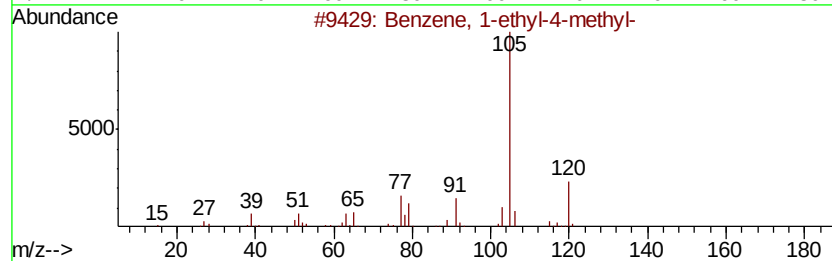
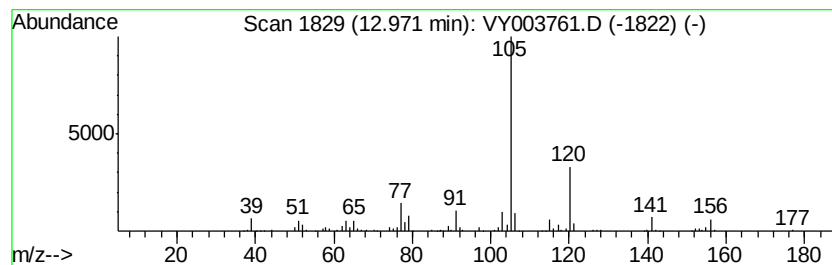
Instrument :
MSVOA_Y
ClientSampleId :
COAEORE

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

Peak Number 10 Benzene, 1-ethyl-4-methyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.97	14.21 ug/L	122466	1,4-Dichlorobenzene-d4		13.42	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94	
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93	
3	Mesitylene	120	C9H12	000108-67-8	87	
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	87	
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	87	



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121420\
Data File : VY003761.D
Acq On : 14 Dec 2020 20:20
Operator : SY/MD
Sample : L5063-08RE
Misc : 4.78G/10ML/MSVOA Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
COAEORE

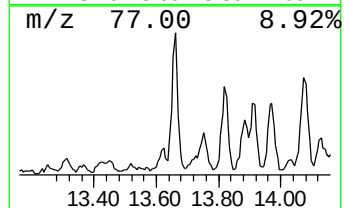
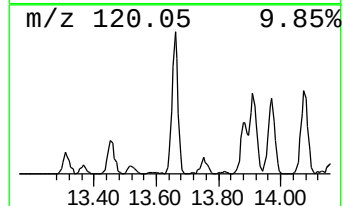
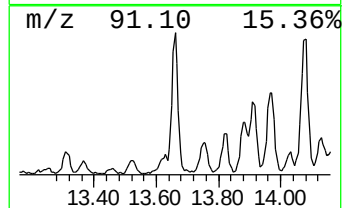
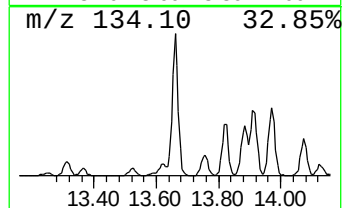
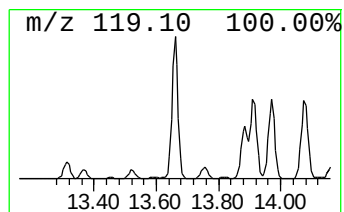
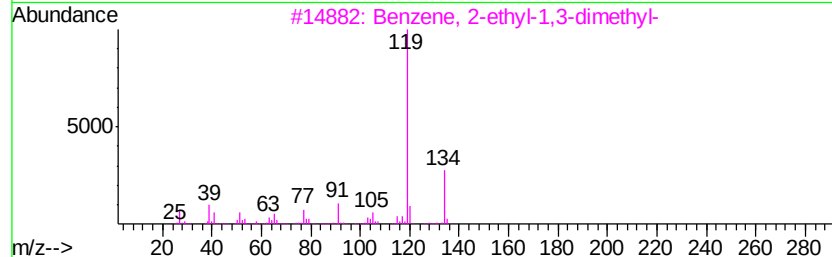
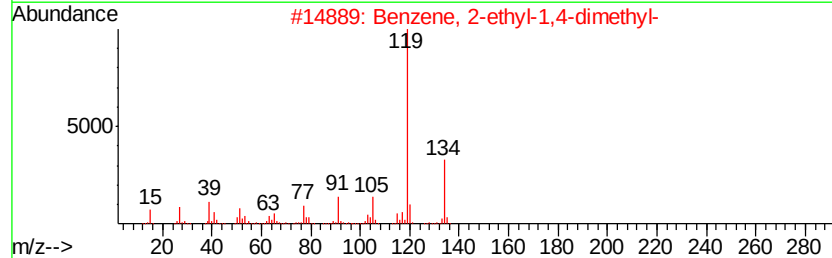
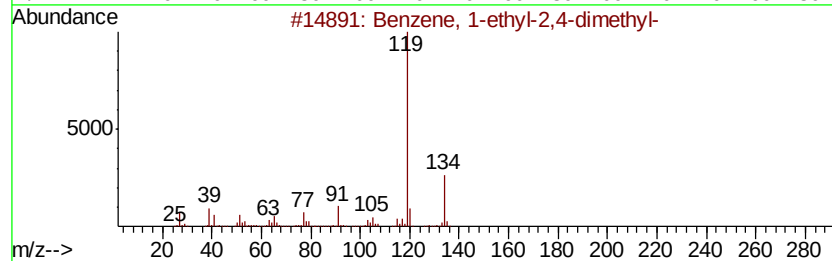
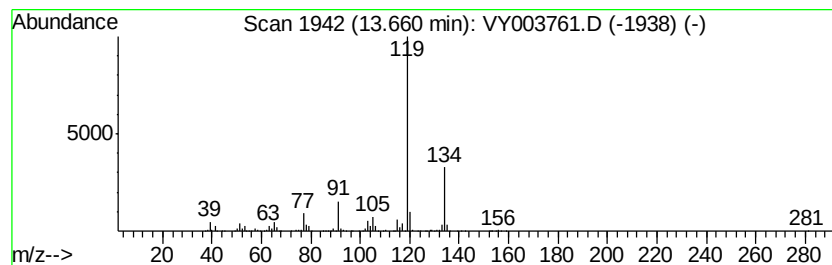
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Quant Title : VOC Analysis

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

Peak Number 15 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.66	40.47 ug/L	348926	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, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
3		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91
4		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91
5		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121420\
Data File : VY003761.D
Acq On : 14 Dec 2020 20:20
Operator : SY/MD
Sample : L5063-08RE
Misc : 4.78G/10ML/MSVOA Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

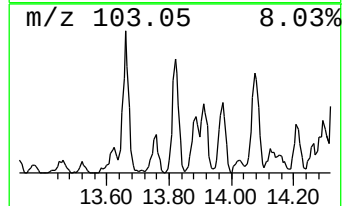
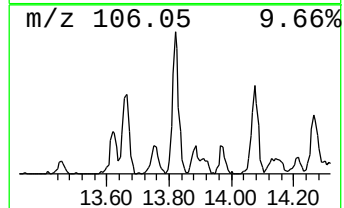
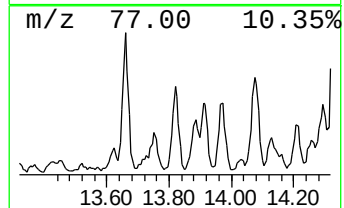
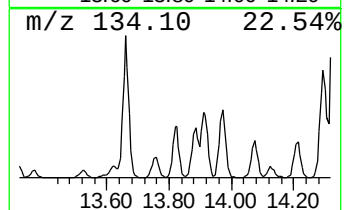
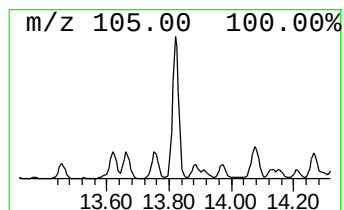
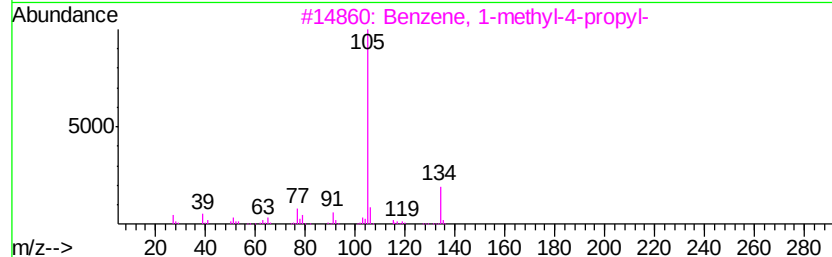
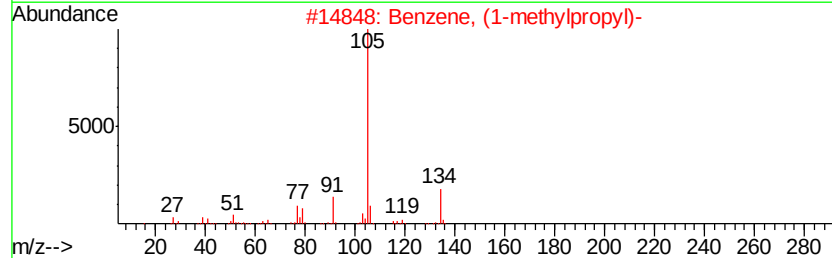
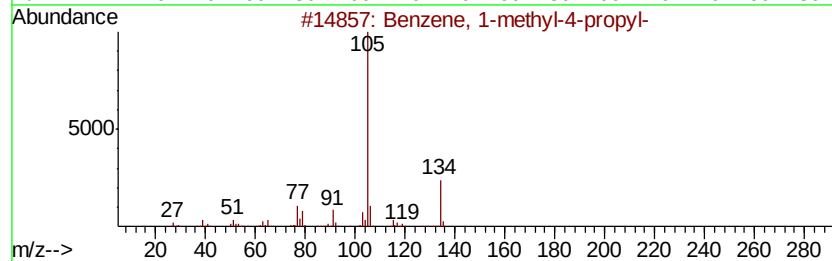
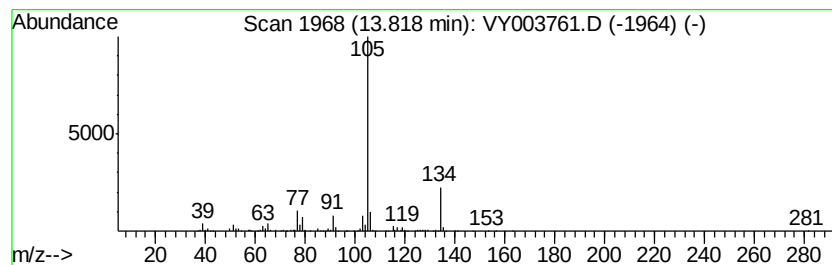
Instrument :
MSVOA_Y
ClientSampleId :
COAEORE

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

Peak Number 16 Benzene, 1-methyl-4-propyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.82	17.51 ug/L	150963	1,4-Dichlorobenzene-d4	13.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Benzene, 1-methyl-4-propyl-	134 C10H14	001074-55-1	95
2	Benzene, (1-methylpropyl)-	134 C10H14	000135-98-8	91
3	Benzene, 1-methyl-4-propyl-	134 C10H14	001074-55-1	91
4	Benzene, 1-methyl-4-propyl-	134 C10H14	001074-55-1	91
5	Benzene, 1-methyl-2-propyl-	134 C10H14	001074-17-5	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121420\
Data File : VY003761.D
Acq On : 14 Dec 2020 20:20
Operator : SY/MD
Sample : L5063-08RE
Misc : 4.78G/10ML/MSVOA Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
COAEORE

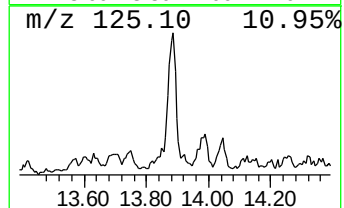
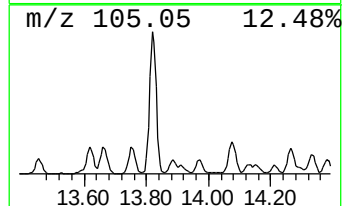
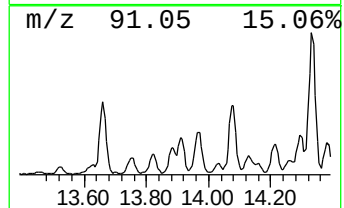
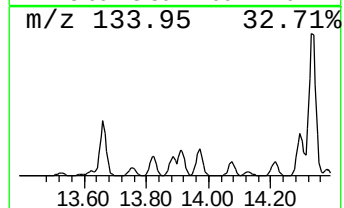
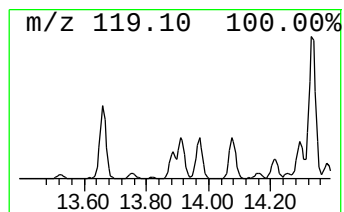
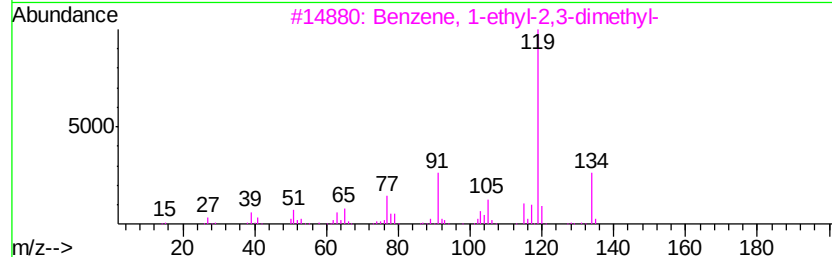
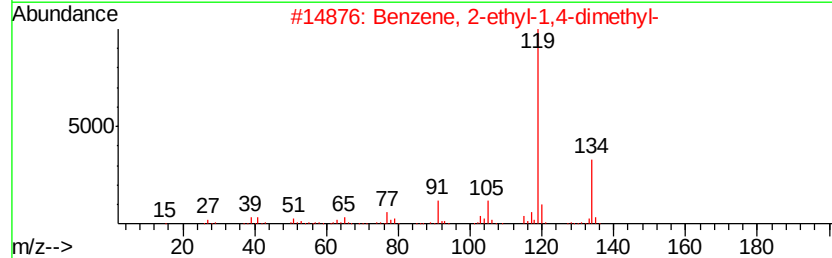
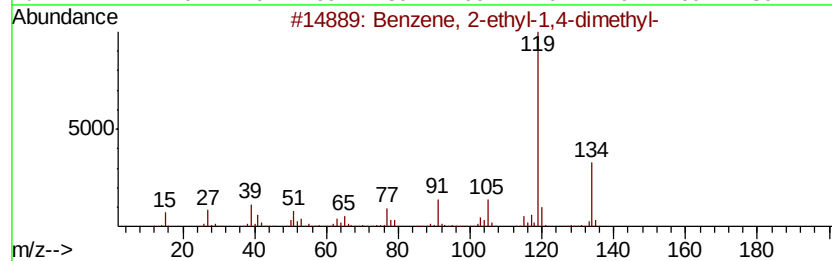
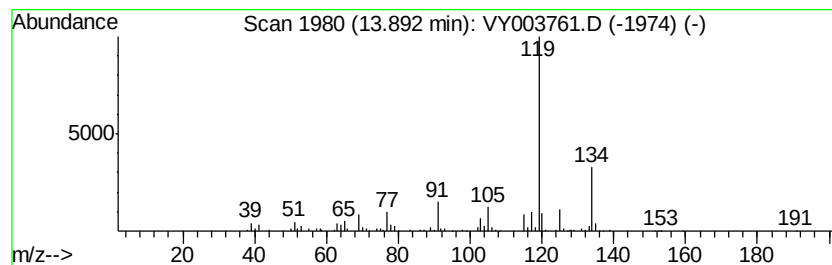
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Quant Title : VOC Analysis

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

Peak Number 17 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	18.81 ug/L	162151	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	95
2		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
4		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
5		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121420\
Data File : VY003761.D
Acq On : 14 Dec 2020 20:20
Operator : SY/MD
Sample : L5063-08RE
Misc : 4.78G/10ML/MSVOA Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
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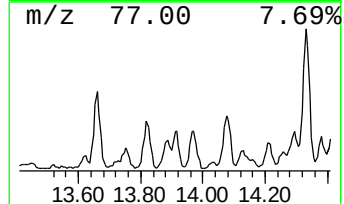
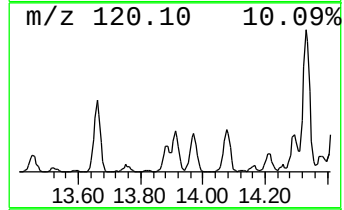
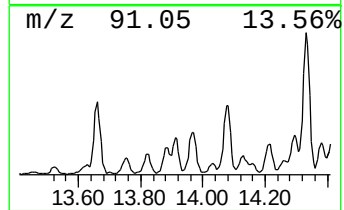
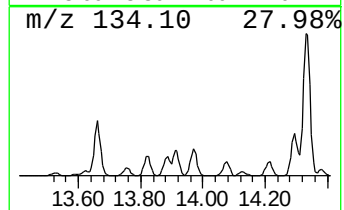
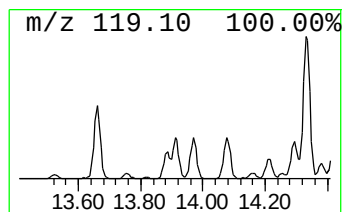
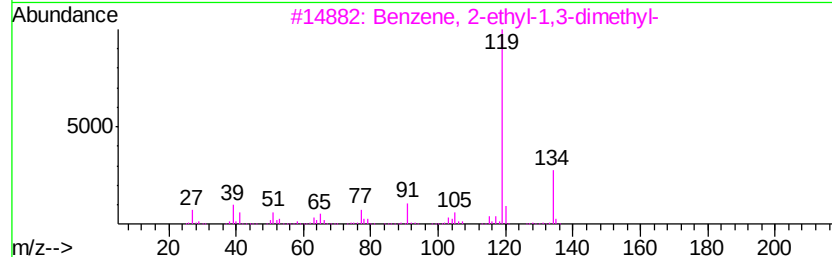
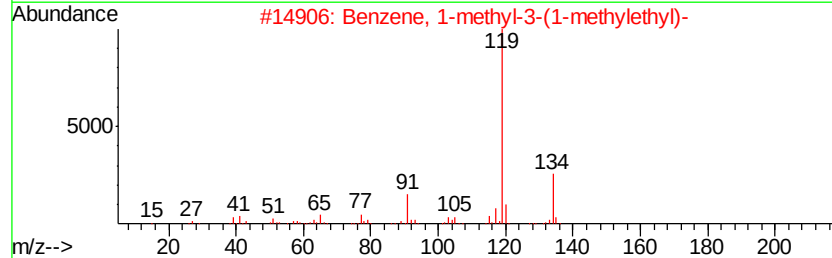
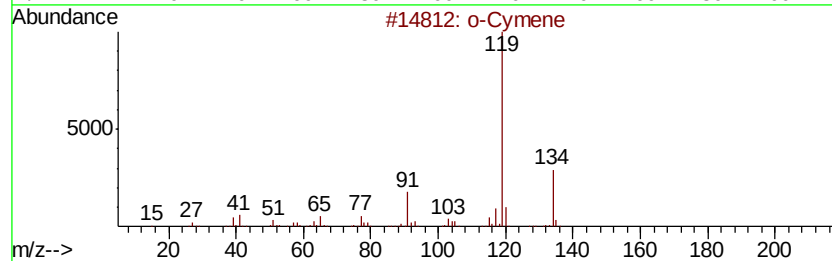
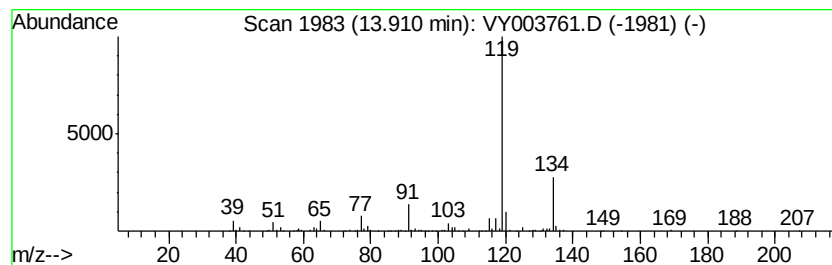
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Quant Title : VOC Analysis

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

Peak Number 18 o-Cymene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.91	17.60 ug/L	151697	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	o-Cymene	134	C10H14	000527-84-4	95
2		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
3		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91
4		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
5		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121420\
Data File : VY003761.D
Acq On : 14 Dec 2020 20:20
Operator : SY/MD
Sample : L5063-08RE
Misc : 4.78G/10ML/MSVOA Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

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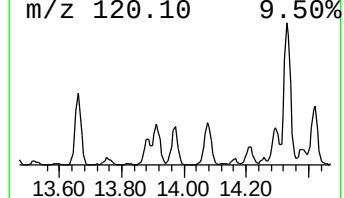
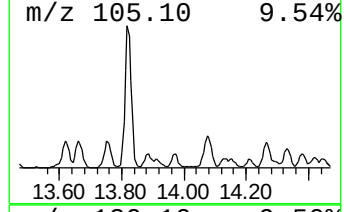
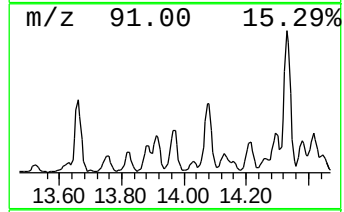
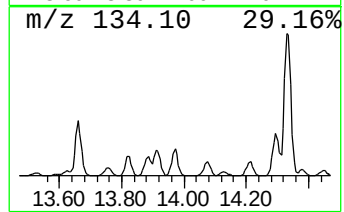
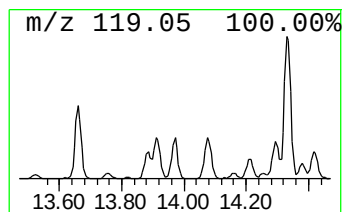
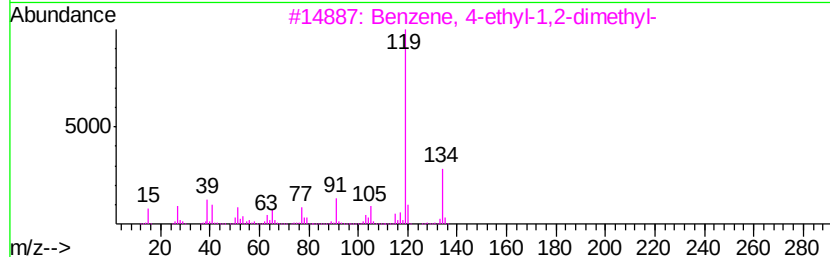
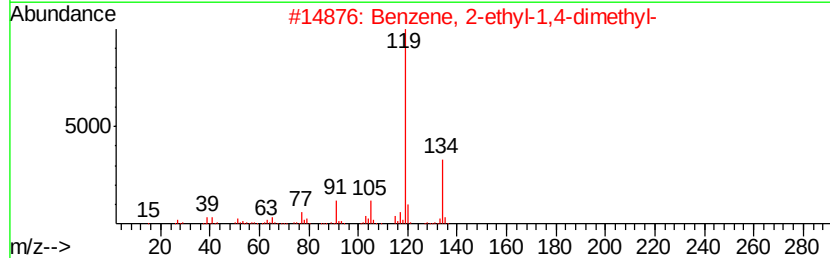
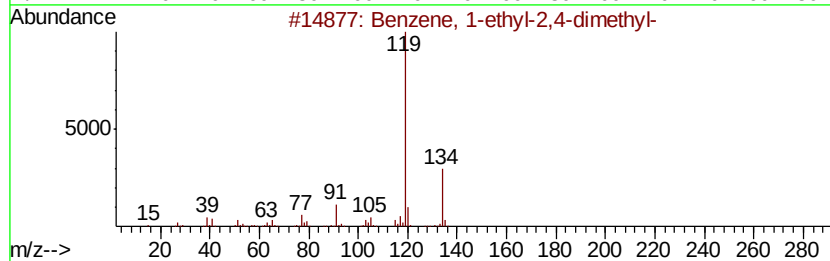
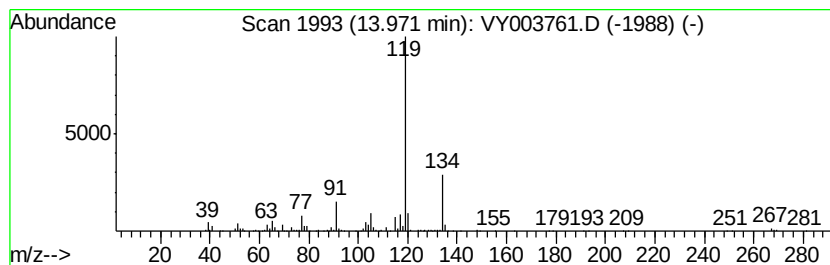
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM121420S.M
Quant Title : VOC Analysis

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

Peak Number 19 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	25.18 ug/L	217077	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-1,4-dimethyl-	134	C10H14	001758-88-9	94
3		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
4		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
5		o-Cymene	134	C10H14	000527-84-4	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121420\
Data File : VY003761.D
Acq On : 14 Dec 2020 20:20
Operator : SY/MD
Sample : L5063-08RE
Misc : 4.78G/10ML/MSVOA Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
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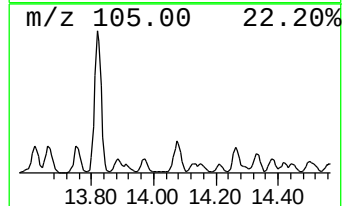
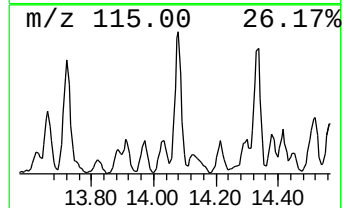
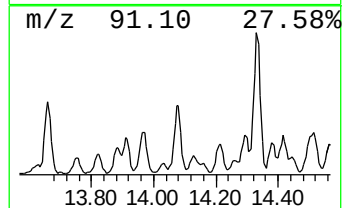
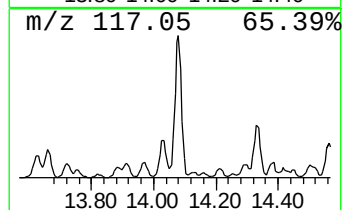
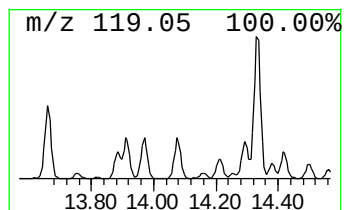
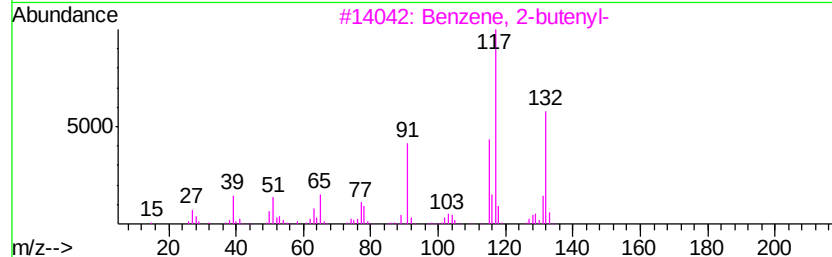
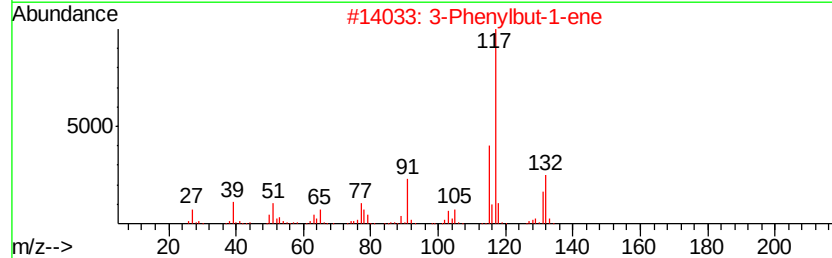
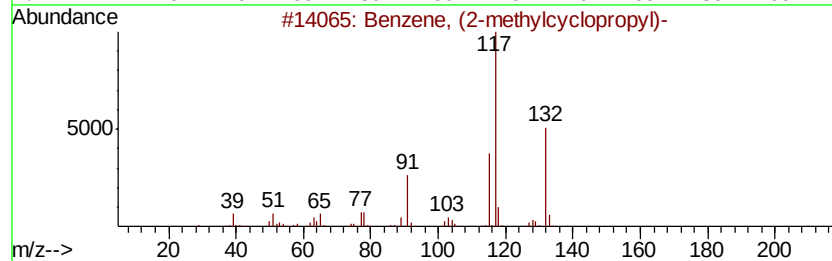
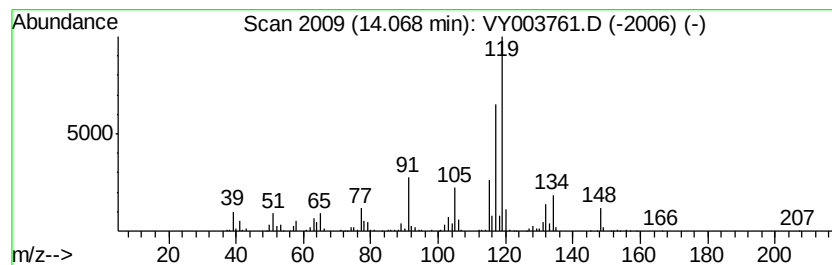
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Quant Title : VOC Analysis

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

Peak Number 21 unknown-01 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.07	39.93 ug/L	344254	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	46
2		3-Phenylbut-1-ene	132	C10H12	000934-10-1	46
3		Benzene, 2-butenyl-	132	C10H12	001560-06-1	46
4		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	45
5		1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	42



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121420\
Data File : VY003761.D
Acq On : 14 Dec 2020 20:20
Operator : SY/MD
Sample : L5063-08RE
Misc : 4.78G/10ML/MSVOA Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
COAEORE

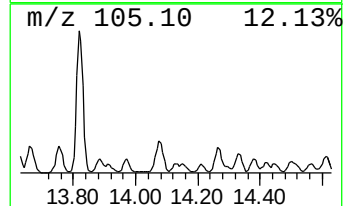
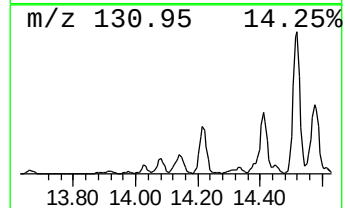
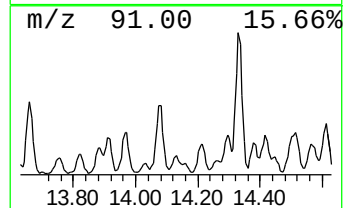
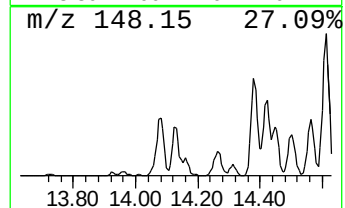
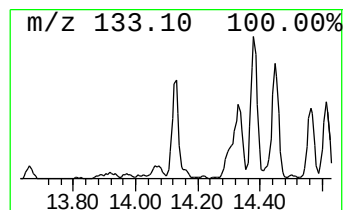
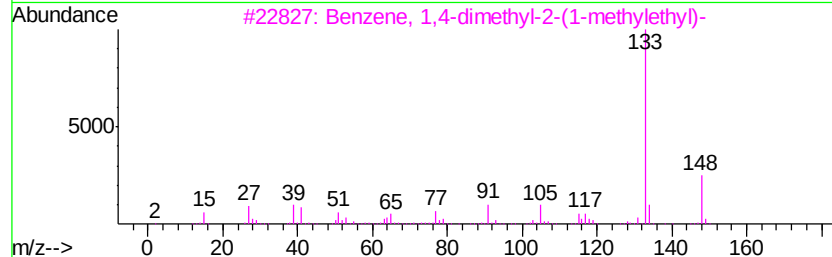
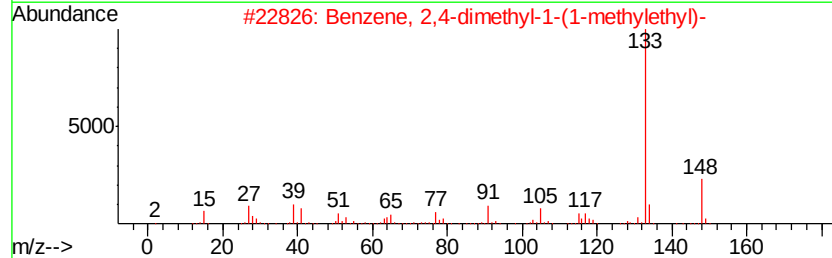
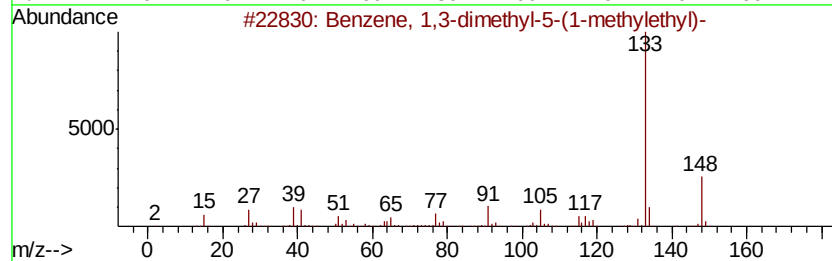
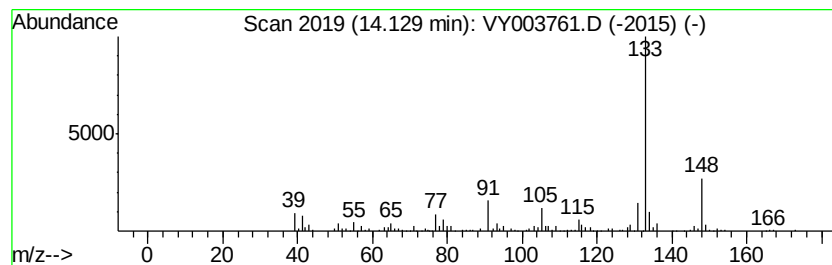
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Quant Title : VOC Analysis

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

Peak Number 22 Benzene, 1,3-dimethyl-5-(1-... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.13	20.02 ug/L	172633	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	87
2		Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	86
3		Benzene, 1,4-dimethyl-2-(1-methv...	148	C11H16	004132-72-3	86
4		Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	80
5		Benzene, 1-(1,1-dimethylethyl)-3...	148	C11H16	001075-38-3	74



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121420\
Data File : VY003761.D
Acq On : 14 Dec 2020 20:20
Operator : SY/MD
Sample : L5063-08RE
Misc : 4.78G/10ML/MSVOA Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

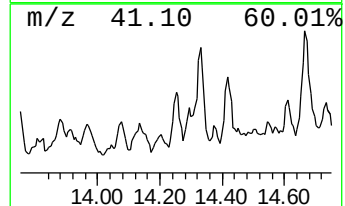
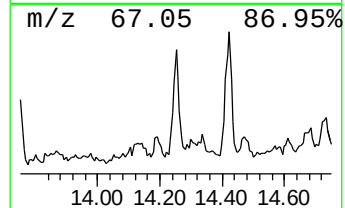
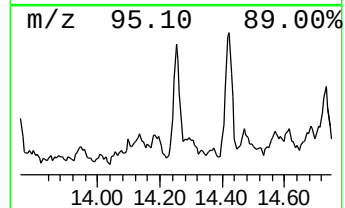
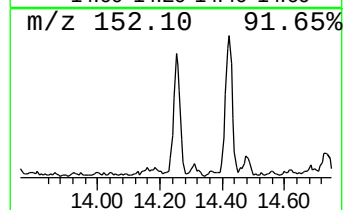
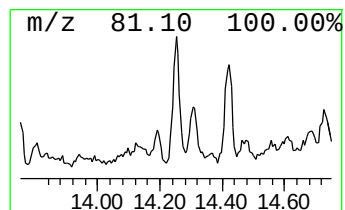
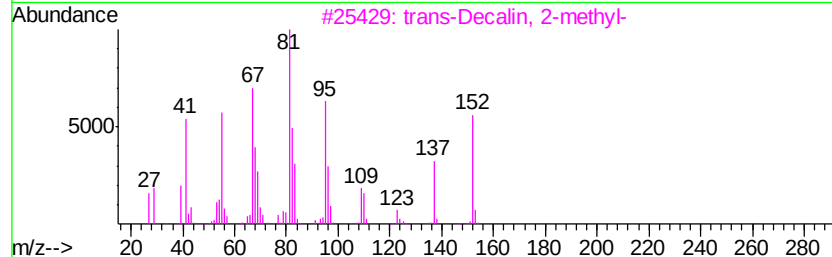
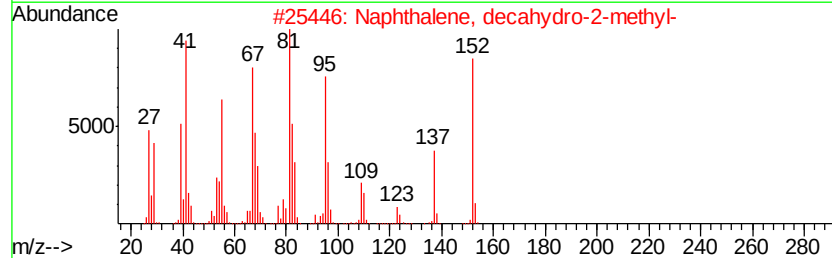
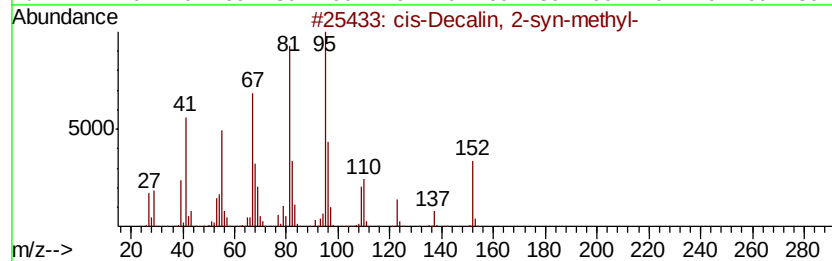
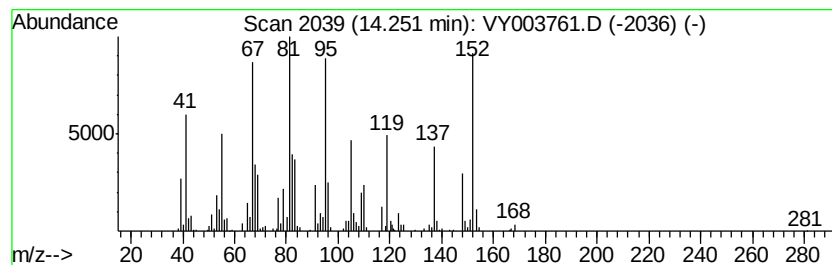
Instrument :
MSVOA_Y
ClientSampleId :
COAEORE

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

Peak Number 24 cis-Decalin, 2-syn-methyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.25	12.64 ug/L	108965	1,4-Dichlorobenzene-d4	13.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		cis-Decalin, 2-syn-methyl-	152 C11H20	1000155-85-6 89
2		Naphthalene, decahydro-2-methyl-	152 C11H20	002958-76-1 89
3		trans-Decalin, 2-methyl-	152 C11H20	1000152-47-3 64
4		Cyclohexanone, 2-methyl-5-(1-met...	152 C10H16O	005948-04-9 64
5		1-Methyl-2-methylenecyclohexane	110 C8H14	002808-75-5 55



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121420\
Data File : VY003761.D
Acq On : 14 Dec 2020 20:20
Operator : SY/MD
Sample : L5063-08RE
Misc : 4.78G/10ML/MSVOA Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
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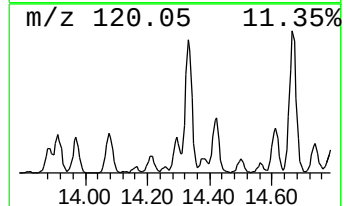
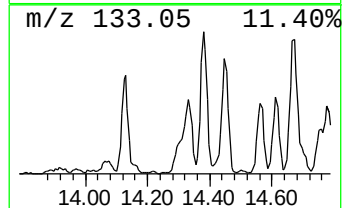
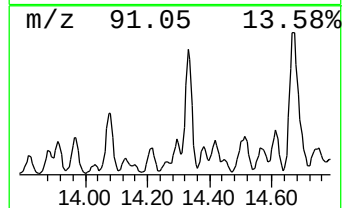
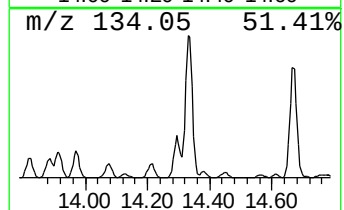
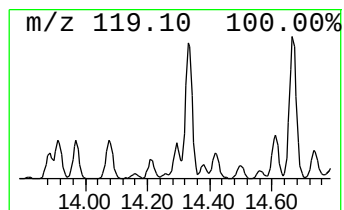
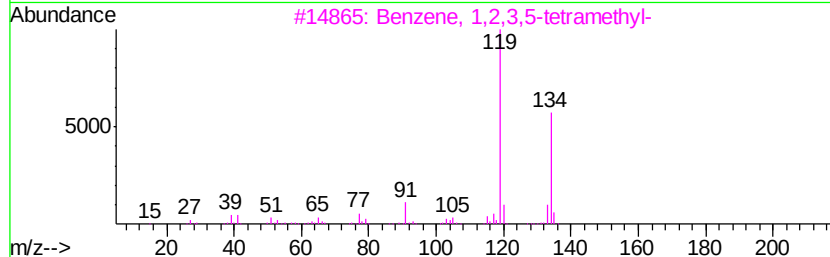
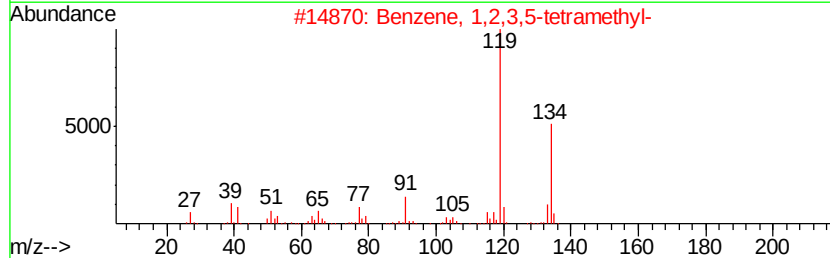
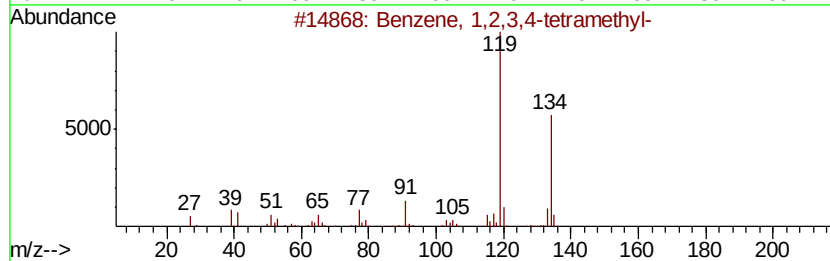
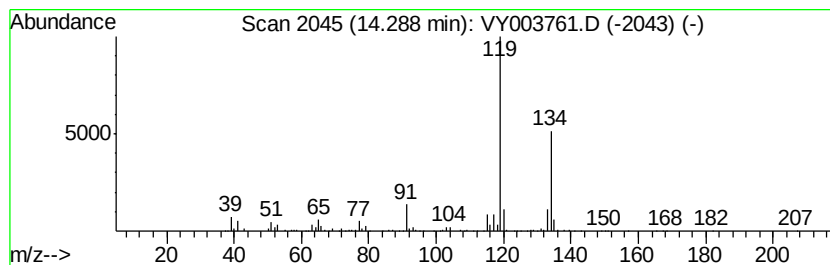
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Quant Title : VOC Analysis

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

Peak Number 25 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.29	15.66 ug/L	134973	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
2		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
3		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
4		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
5		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121420\
Data File : VY003761.D
Acq On : 14 Dec 2020 20:20
Operator : SY/MD
Sample : L5063-08RE
Misc : 4.78G/10ML/MSVOA Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
COAEORE

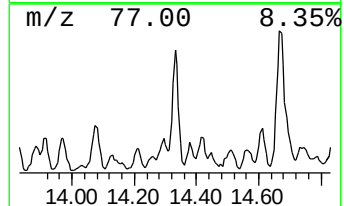
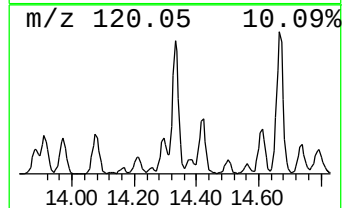
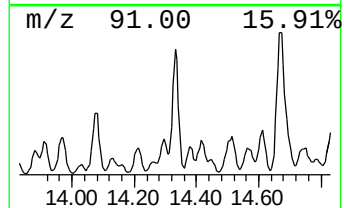
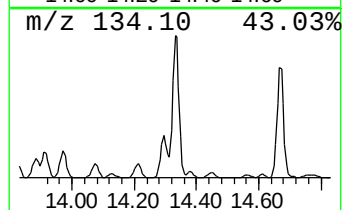
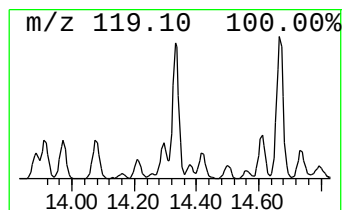
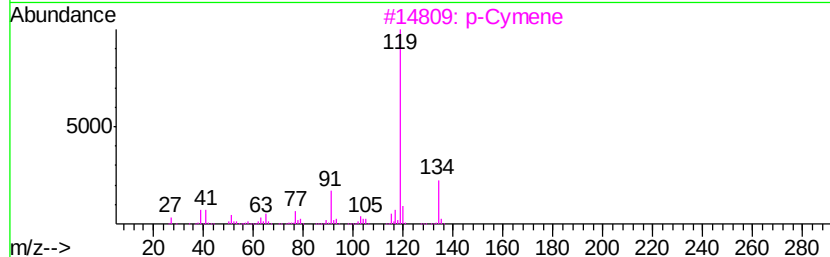
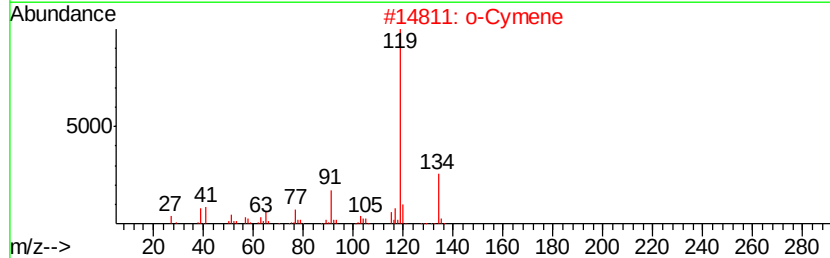
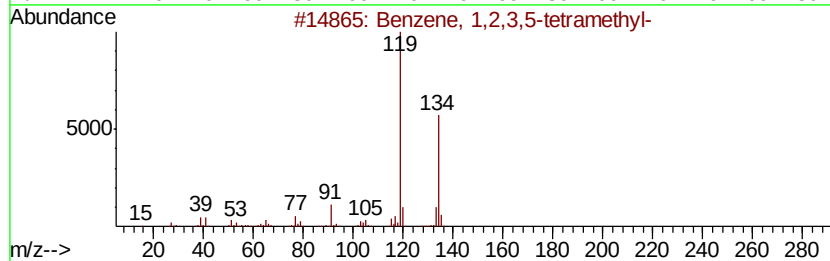
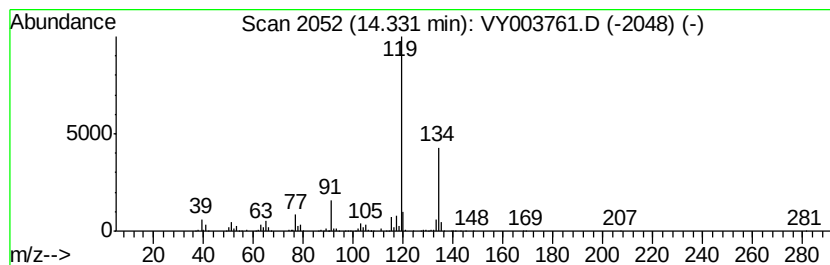
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Quant Title : VOC Analysis

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

Peak Number 26 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.33	83.65 ug/L	721134	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		o-Cymene	134	C10H14	000527-84-4	95
3		p-Cymene	134	C10H14	000099-87-6	95
4		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
5		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121420\
Data File : VY003761.D
Acq On : 14 Dec 2020 20:20
Operator : SY/MD
Sample : L5063-08RE
Misc : 4.78G/10ML/MSVOA Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
COAEORE

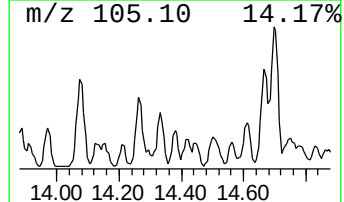
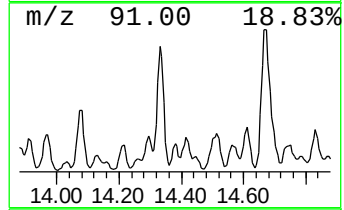
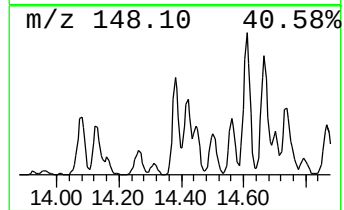
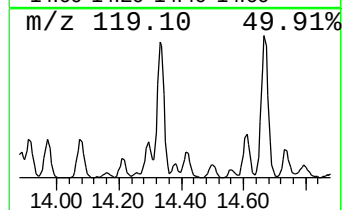
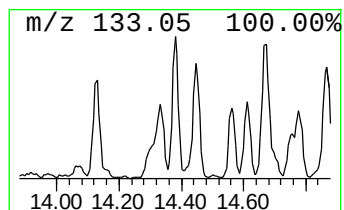
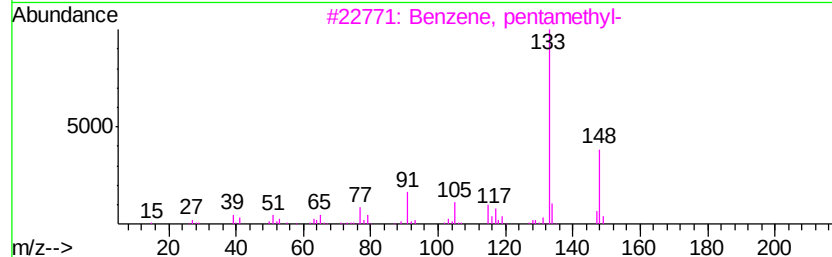
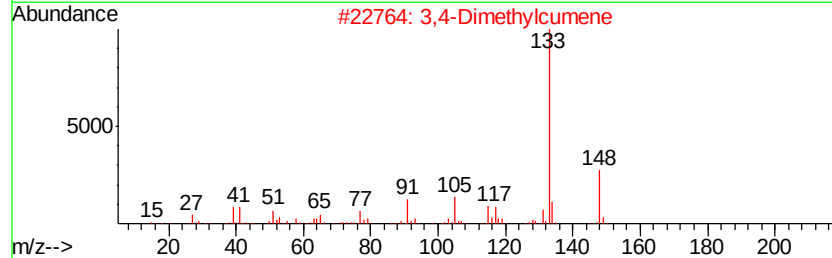
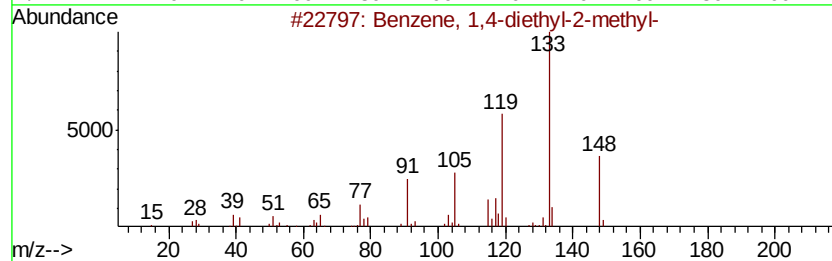
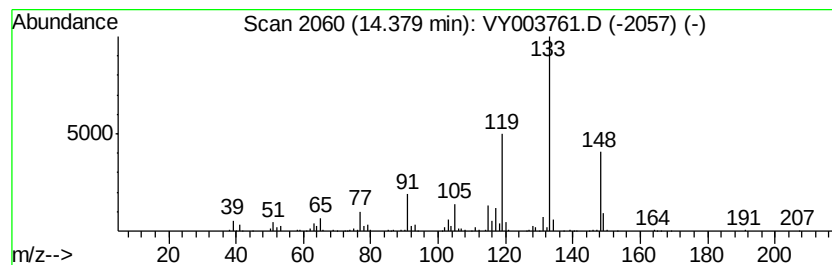
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Quant Title : VOC Analysis

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

Peak Number 27 Benzene, 1,4-diethyl-2-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.38	15.68 ug/L	135222	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	93
2		3,4-Dimethylcumene	148	C11H16	1000370-34-1	76
3		Benzene, pentamethyl-	148	C11H16	000700-12-9	76
4		Benzene, pentamethyl-	148	C11H16	000700-12-9	74
5		Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121420\
Data File : VY003761.D
Acq On : 14 Dec 2020 20:20
Operator : SY/MD
Sample : L5063-08RE
Misc : 4.78G/10ML/MSVOA Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
COAEORE

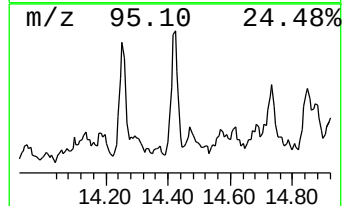
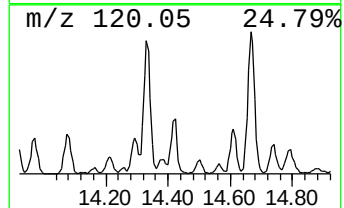
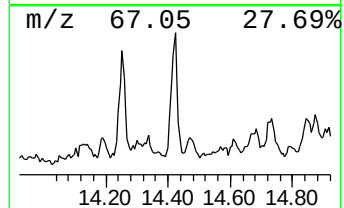
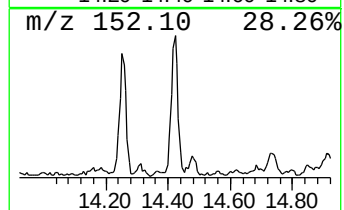
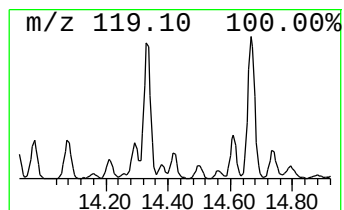
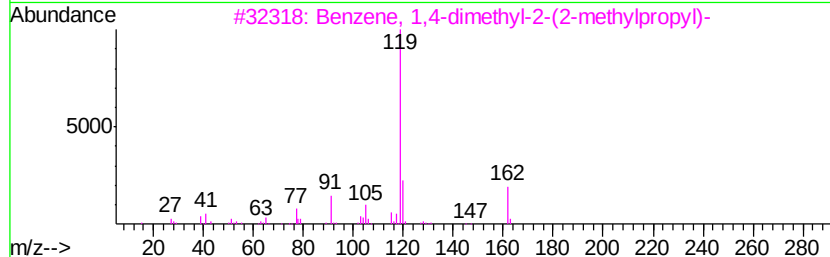
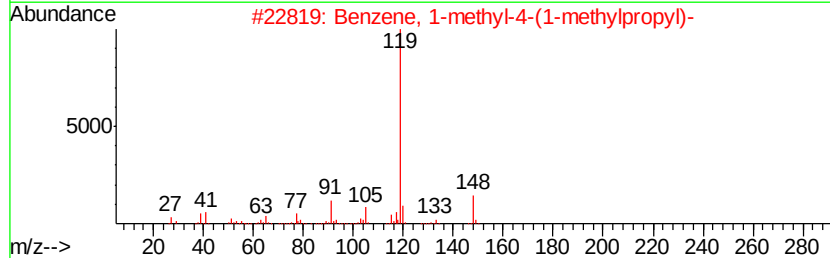
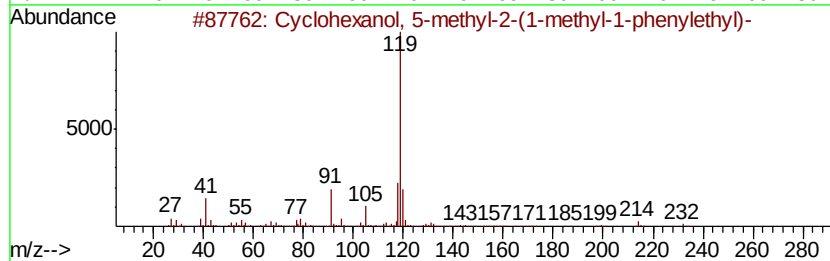
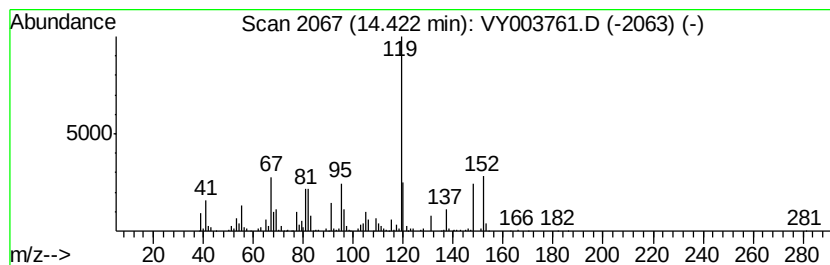
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Quant Title : VOC Analysis

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

Peak Number 28 unknown-02 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.42	21.38 ug/L	184351	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexanol, 5-methyl-2-(1-meth...	232	C16H24O	134256-18-1	35
2		Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	30
3		Benzene, 1,4-dimethyl-2-(2-methv...	162	C12H18	055669-88-0	30
4		Benzene, 1,4-dimethyl-2-(2-methv...	162	C12H18	055669-88-0	27
5		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	22



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121420\
Data File : VY003761.D
Acq On : 14 Dec 2020 20:20
Operator : SY/MD
Sample : L5063-08RE
Misc : 4.78G/10ML/MSVOA Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
COAEORE

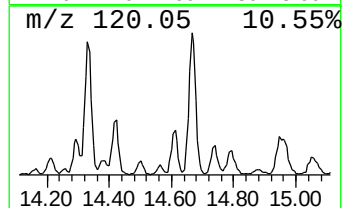
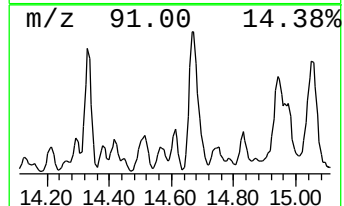
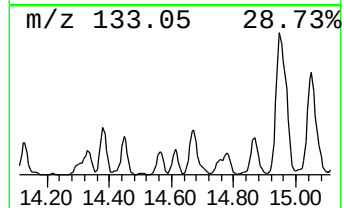
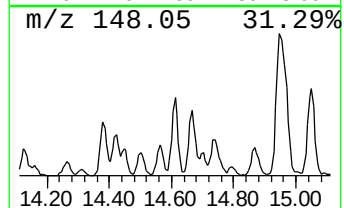
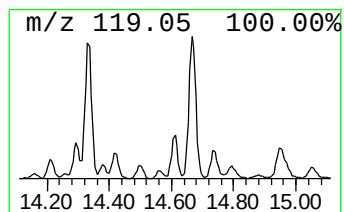
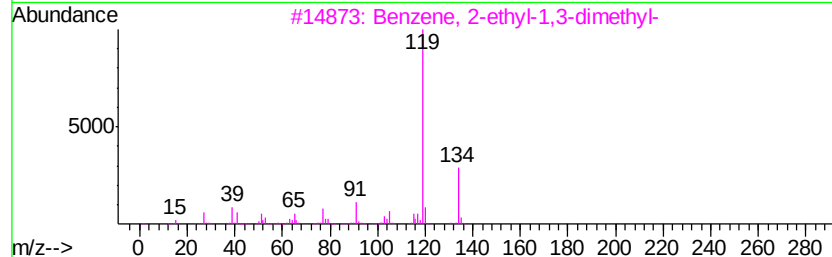
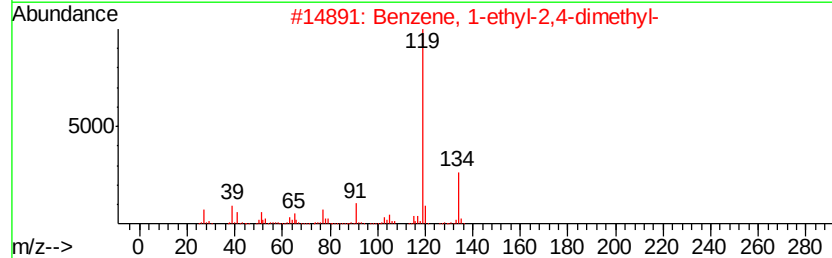
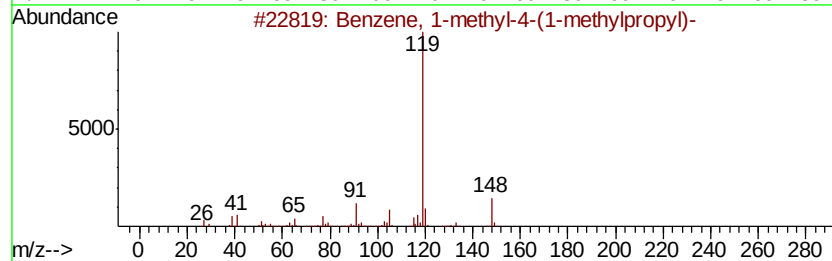
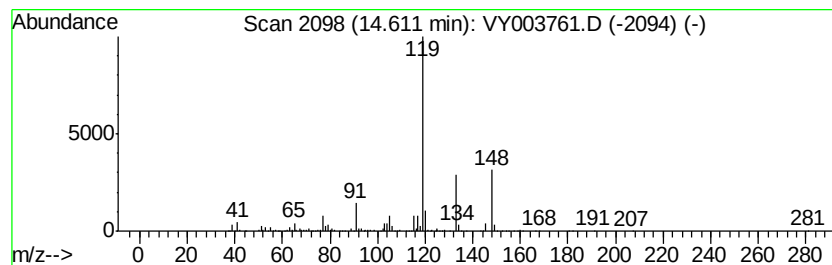
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Quant Title : VOC Analysis

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

Peak Number 31 Benzene, 1-methyl-4-(1-meth... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.61	28.80 ug/L	248307	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-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	70
3		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	70
4		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	64
5		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121420\
Data File : VY003761.D
Acq On : 14 Dec 2020 20:20
Operator : SY/MD
Sample : L5063-08RE
Misc : 4.78G/10ML/MSVOA Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

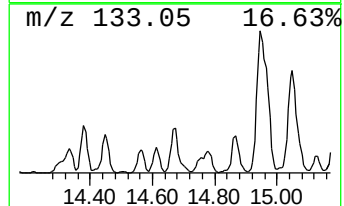
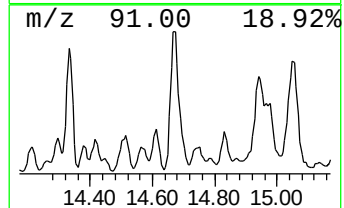
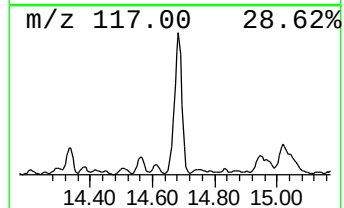
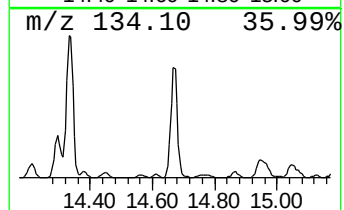
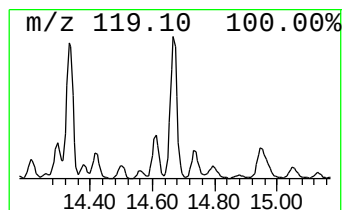
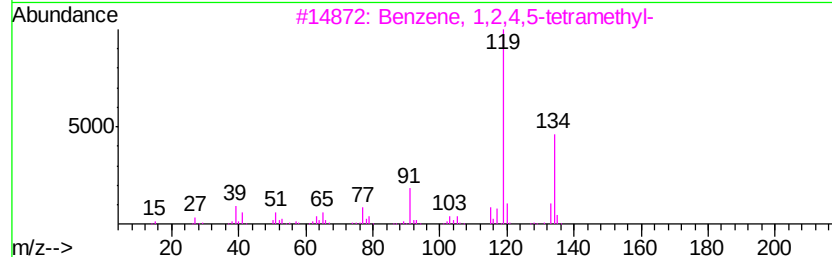
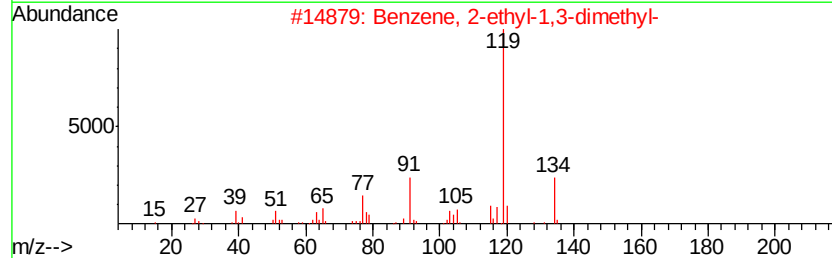
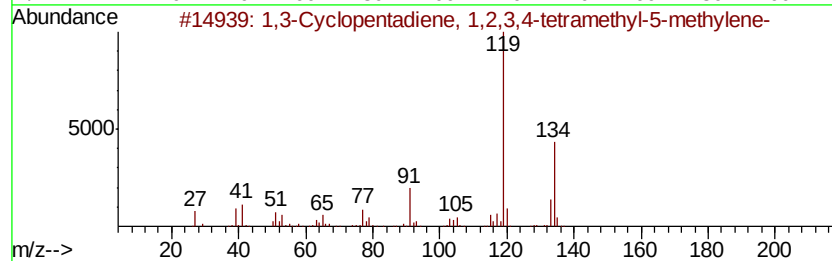
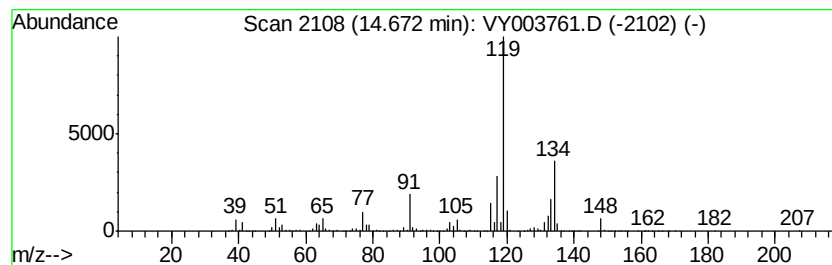
Instrument :
MSVOA_Y
ClientSampleId :
COAEORE

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

Peak Number 32 1,3-Cyclopentadiene, 1,2,3,... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.67	144.86 ug/L	1248870	1,4-Dichlorobenzene-d4	13.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1,3-Cyclopentadiene, 1,2,3,4-tet...	134 C10H14	076089-59-3	93
2	Benzene, 2-ethyl-1,3-dimethyl-	134 C10H14	002870-04-4	92
3	Benzene, 1,2,4,5-tetramethyl-	134 C10H14	000095-93-2	76
4	o-Cymene	134 C10H14	000527-84-4	76
5	Benzene, 1-ethyl-3,5-dimethyl-	134 C10H14	000934-74-7	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121420\
Data File : VY003761.D
Acq On : 14 Dec 2020 20:20
Operator : SY/MD
Sample : L5063-08RE
Misc : 4.78G/10ML/MSVOA Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
COAEORE

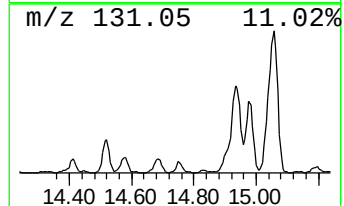
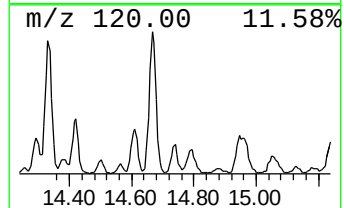
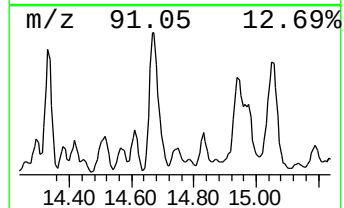
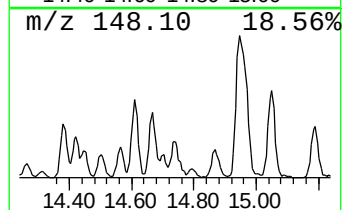
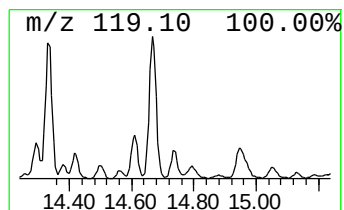
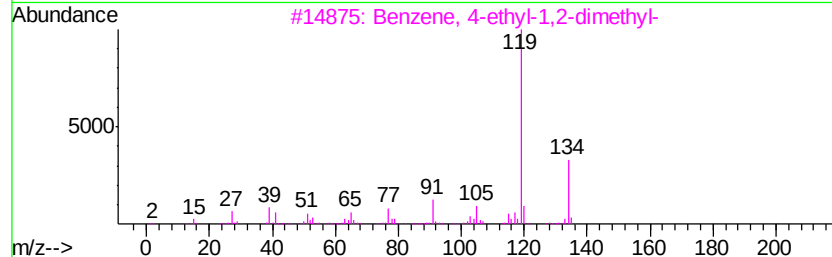
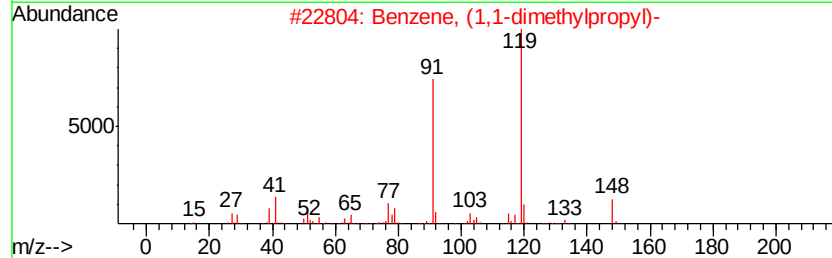
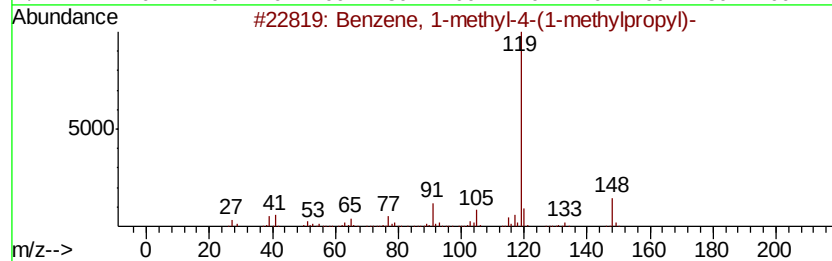
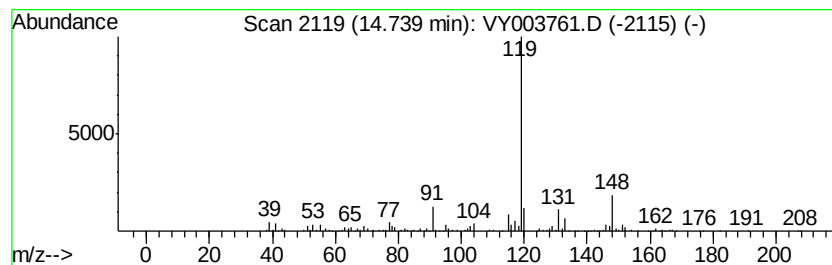
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Quant Title : VOC Analysis

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

Peak Number 33 Benzene, (1,1-dimethylpropyl)- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.74	19.06 ug/L	164286	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	83
2		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	72
3		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	64
4		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	64
5		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121420\
Data File : VY003761.D
Acq On : 14 Dec 2020 20:20
Operator : SY/MD
Sample : L5063-08RE
Misc : 4.78G/10ML/MSVOA Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

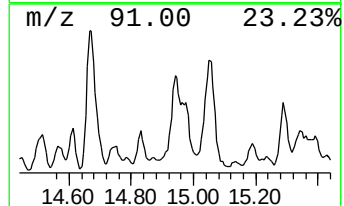
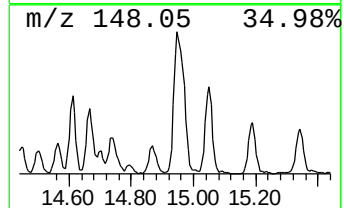
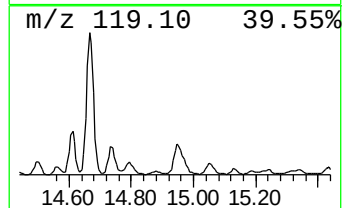
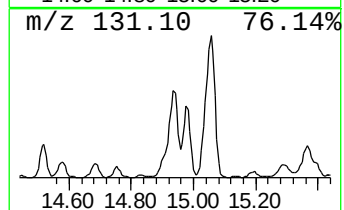
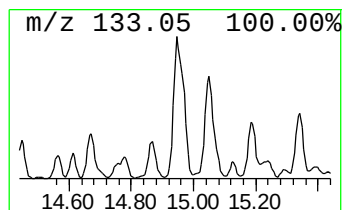
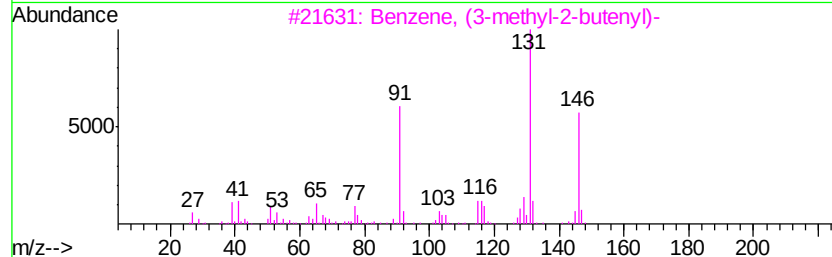
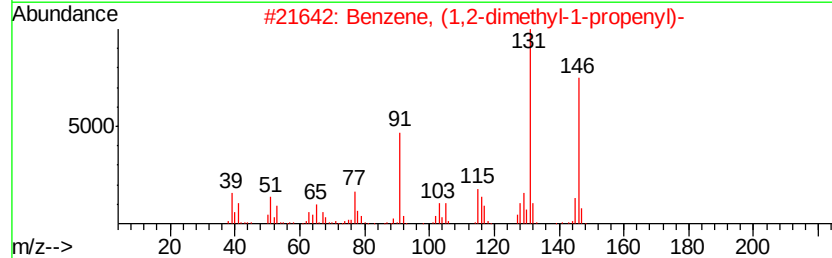
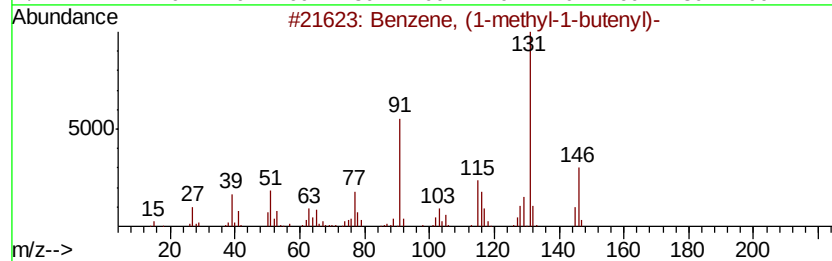
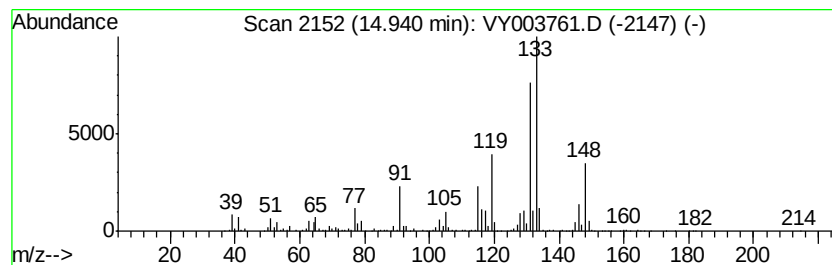
Instrument :
MSVOA_Y
ClientSampleId :
COAEORE

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

Peak Number 35 Benzene, (1-methyl-1-butenyl)- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.94	87.52 ug/L	754515	1,4-Dichlorobenzene-d4	13.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, (1-methyl-1-butenyl)-	146 C11H14	053172-84-2 87
2		Benzene, (1,2-dimethyl-1-propenyl)-	146 C11H14	000769-57-3 84
3		Benzene, (3-methyl-2-butenyl)-	146 C11H14	004489-84-3 83
4		Benzene, 1,4-diethyl-2-methyl-	148 C11H16	013632-94-5 49
5		Naphthalene, 1,2,3,4-tetrahydro-...	146 C11H14	001559-81-5 46



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121420\
Data File : VY003761.D
Acq On : 14 Dec 2020 20:20
Operator : SY/MD
Sample : L5063-08RE
Misc : 4.78G/10ML/MSVOA Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

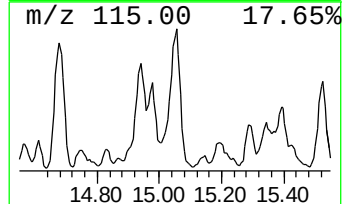
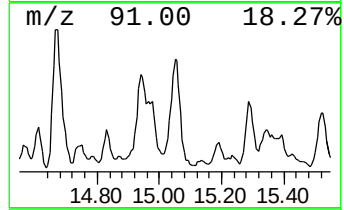
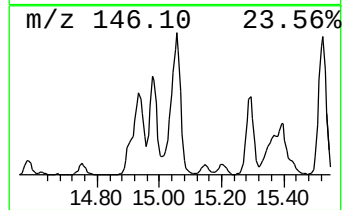
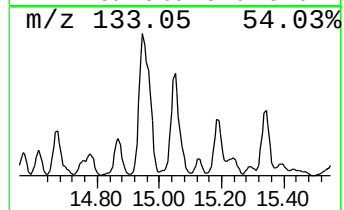
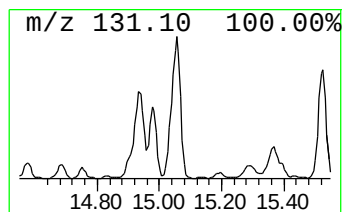
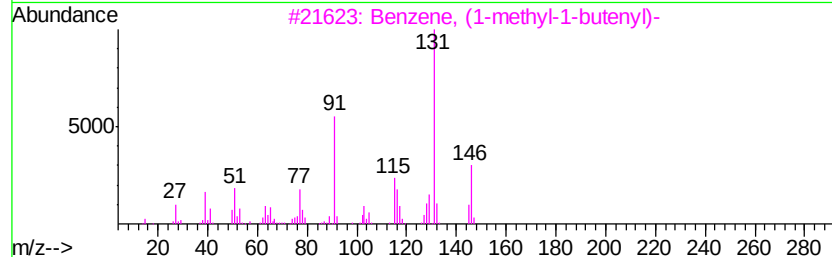
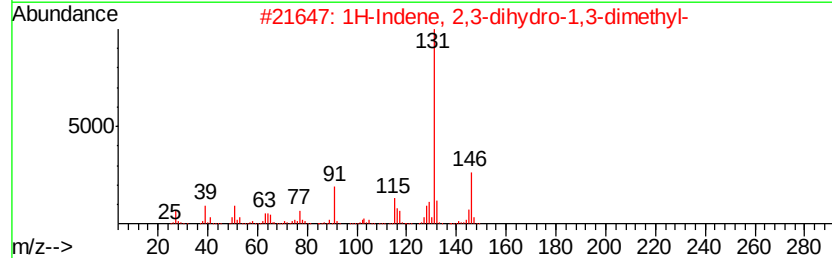
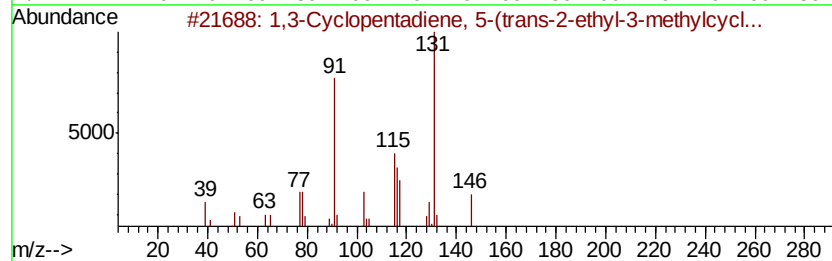
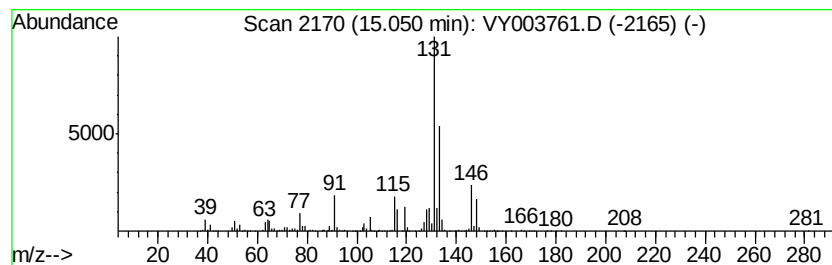
Instrument :
MSVOA_Y
ClientSampleId :
COAEORE

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

Peak Number 36 1,3-Cyclopentadiene, 5-(tra... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.05	134.31 ug/L	1157950	1,4-Dichlorobenzene-d4	13.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1,3-Cyclopentadiene, 5-(trans-2-...	146 C11H14	079209-36-2	64
2	1H-Indene, 2,3-dihydro-1,3-dimet...	146 C11H14	004175-53-5	64
3	Benzene, (1-methyl-1-butenyl)-	146 C11H14	053172-84-2	64
4	1H-Indene, 2,3-dihydro-1,1-dimet...	146 C11H14	004912-92-9	64
5	Naphthalene, 1,2,3,4-tetrahydro-...	146 C11H14	001559-81-5	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121420\
Data File : VY003761.D
Acq On : 14 Dec 2020 20:20
Operator : SY/MD
Sample : L5063-08RE
Misc : 4.78G/10ML/MSVOA Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
COAEORE

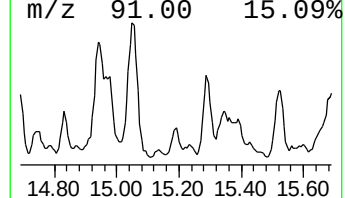
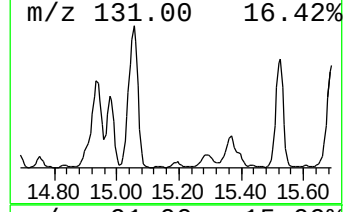
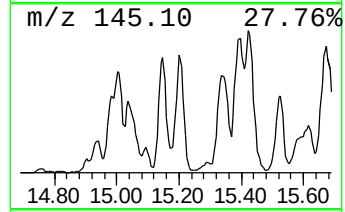
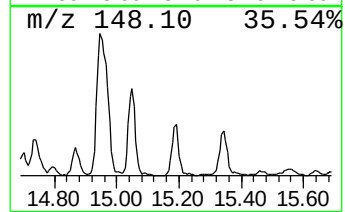
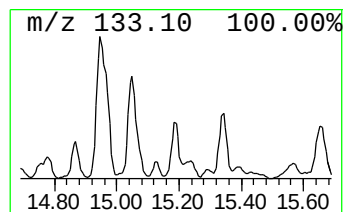
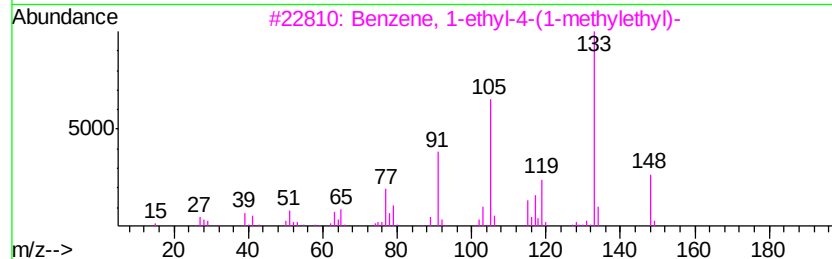
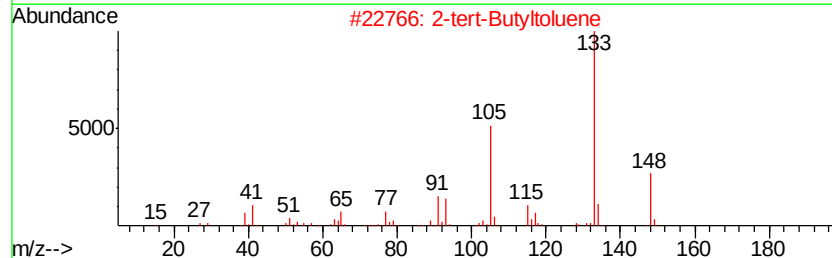
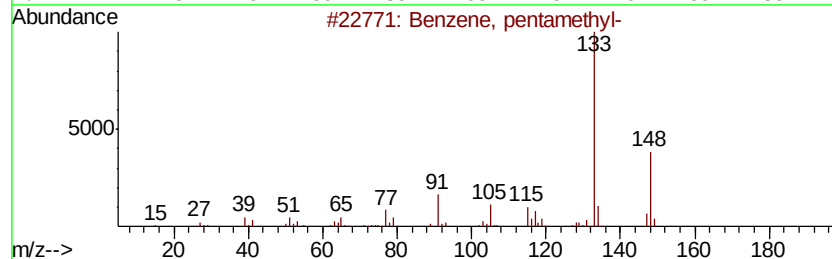
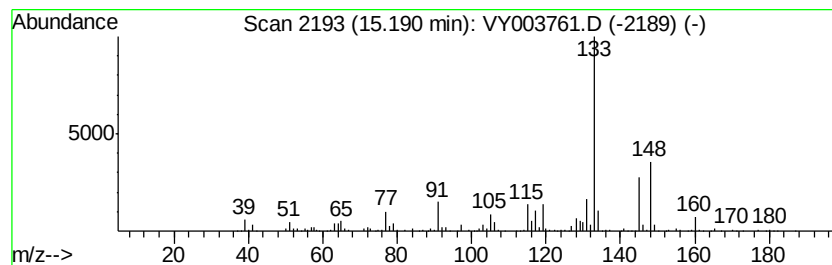
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Quant Title : VOC Analysis

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

Peak Number 37 Benzene, pentamethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	32.74 ug/L	282233	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, pentamethyl-	148	C11H16	000700-12-9	76
2		2-tert-Butyltoluene	148	C11H16	001074-92-6	70
3		Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	68
4		Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	64
5		3,4-Dimethylcumene	148	C11H16	1000370-34-1	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121420\
Data File : VY003761.D
Acq On : 14 Dec 2020 20:20
Operator : SY/MD
Sample : L5063-08RE
Misc : 4.78G/10ML/MSVOA Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

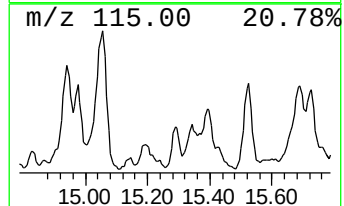
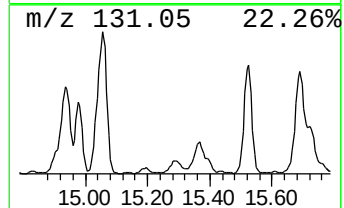
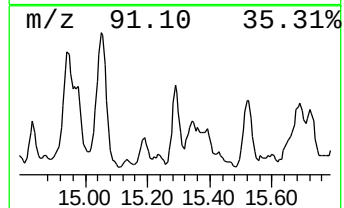
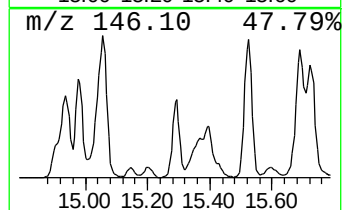
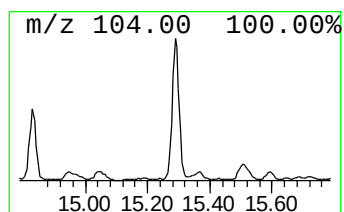
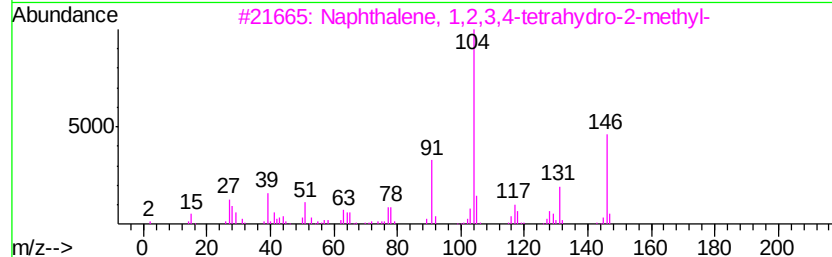
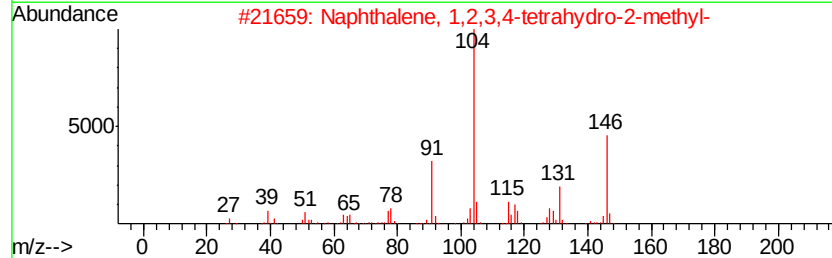
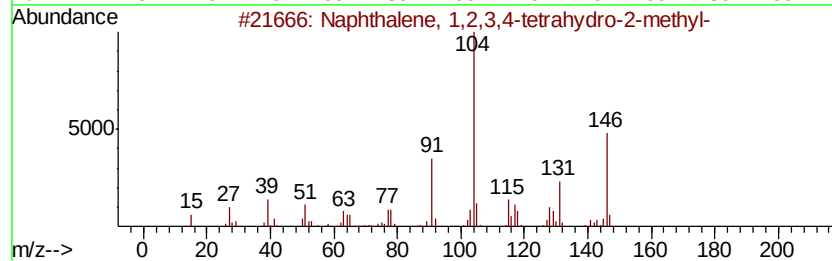
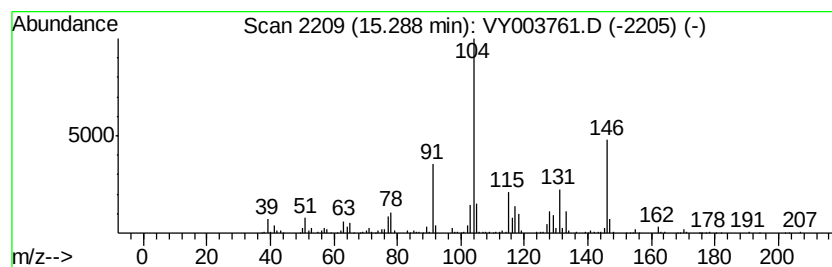
Instrument :
MSVOA_Y
ClientSampleId :
COAEORE

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

Peak Number 38 Naphthalene, 1,2,3,4-tetra... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.29	34.57 ug/L	298017	1,4-Dichlorobenzene-d4	13.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146 C11H14	003877-19-8	91
2	Naphthalene, 1,2,3,4-tetrahydro-...	146 C11H14	003877-19-8	91
3	Naphthalene, 1,2,3,4-tetrahydro-...	146 C11H14	003877-19-8	81
4	Naphthalene, 1,2,3,4-tetrahydro-...	146 C11H14	003877-19-8	60
5	Naphth[1,2-b]oxirene, 1a,2,3,7b-...	146 C10H10O	002461-34-9	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121420\
Data File : VY003761.D
Acq On : 14 Dec 2020 20:20
Operator : SY/MD
Sample : L5063-08RE
Misc : 4.78G/10ML/MSVOA Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
COAEORE

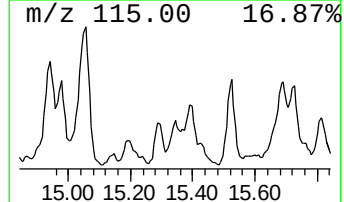
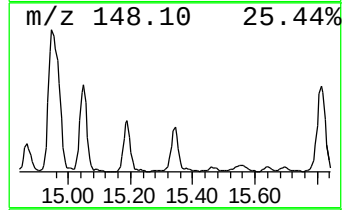
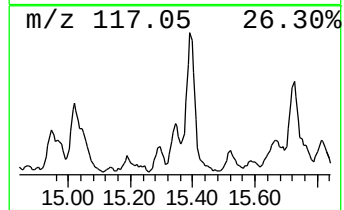
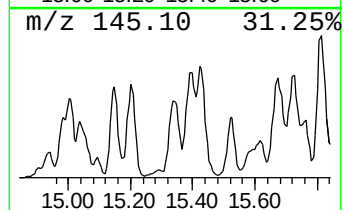
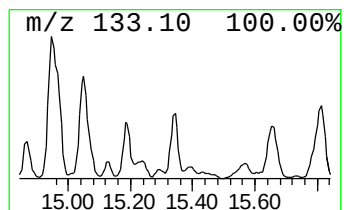
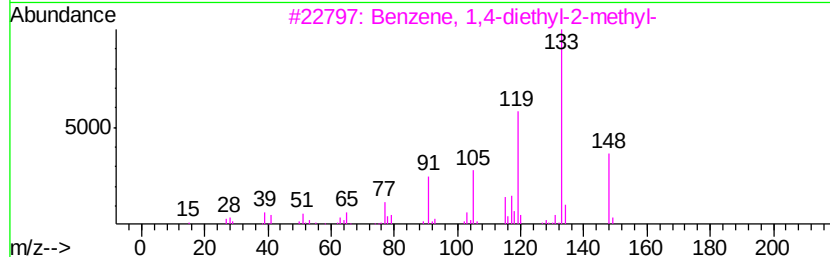
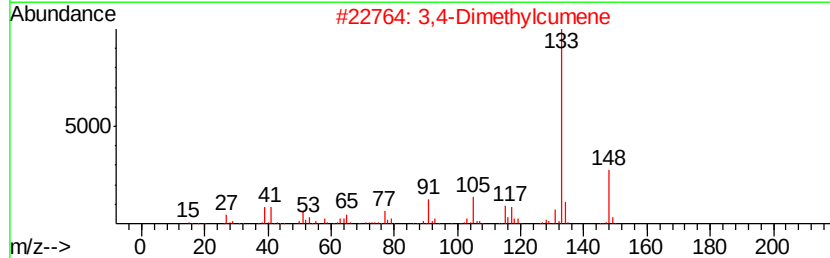
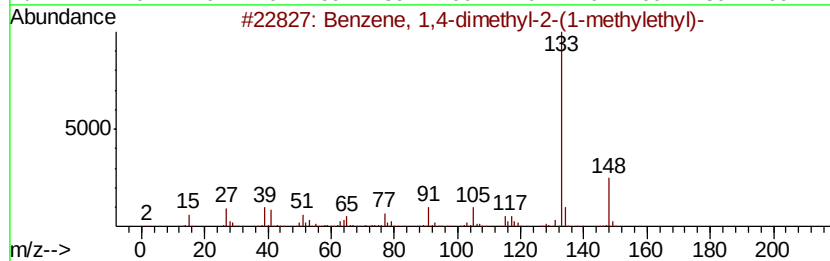
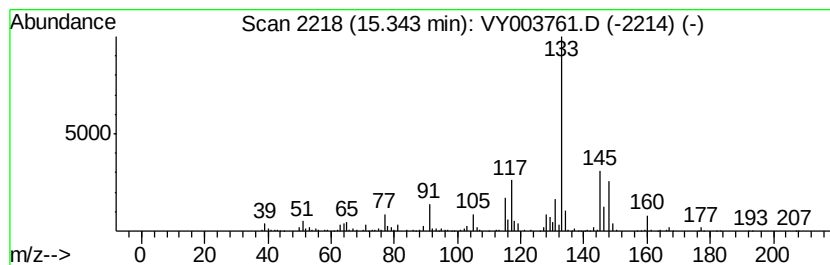
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Quant Title : VOC Analysis

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

Peak Number 39 Benzene, 1,4-dimethyl-2-(1-... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	28.36 ug/L	244525	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,4-dimethyl-2-(1-methyl-...	148	C11H16	004132-72-3	58
2		3,4-Dimethylcumene	148	C11H16	1000370-34-1	58
3		Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	58
4		Benzene, 1,3-dimethyl-5-(1-methyl-...	148	C11H16	004706-90-5	58
5		Benzene, 2,4-dimethyl-1-(1-methyl-...	148	C11H16	004706-89-2	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121420\
Data File : VY003761.D
Acq On : 14 Dec 2020 20:20
Operator : SY/MD
Sample : L5063-08RE
Misc : 4.78G/10ML/MSVOA Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

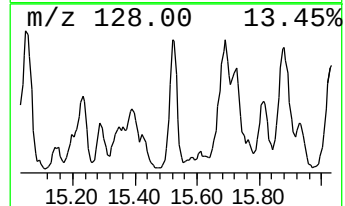
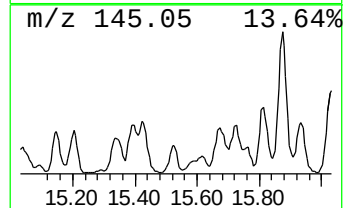
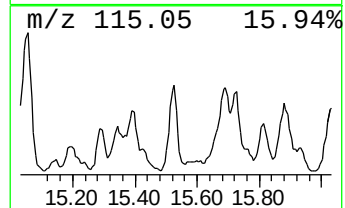
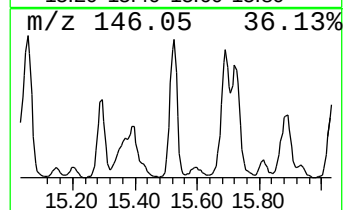
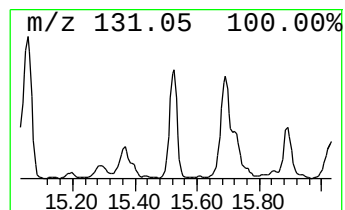
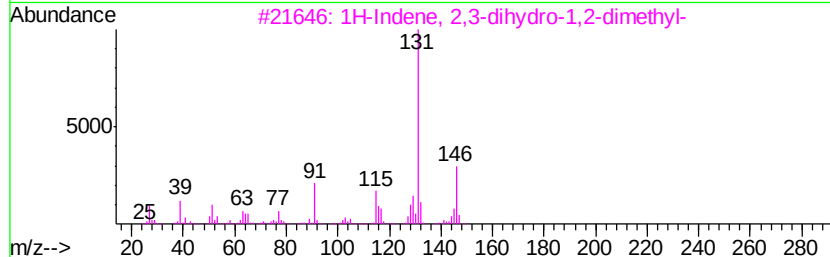
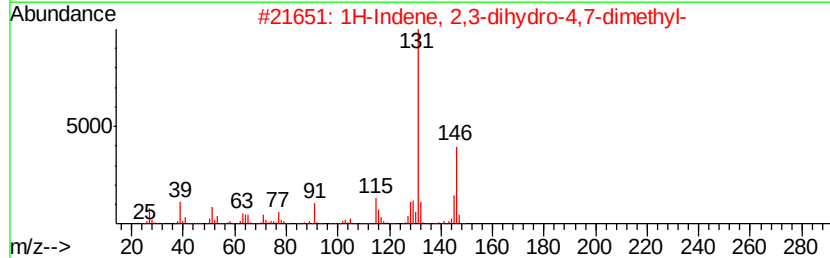
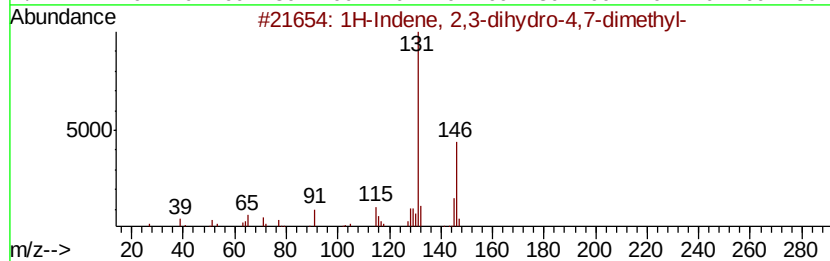
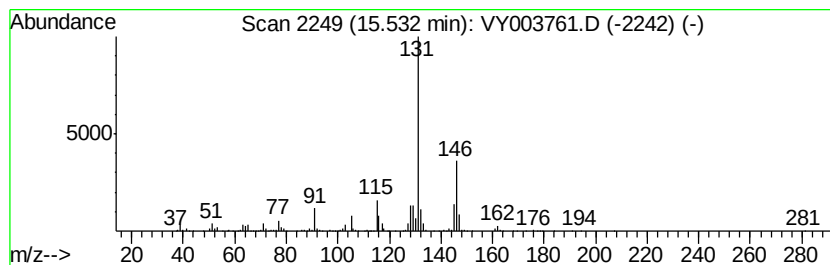
Instrument :
MSVOA_Y
ClientSampleId :
COAEORE

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

Peak Number 40 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.		
15.53	74.75 ug/L	644400	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	94
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14		017057-82-8	94
4	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14		001685-82-1	93
5	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14		017059-48-2	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121420\
 Data File : VY003761.D
 Acq On : 14 Dec 2020 20:20
 Operator : SY/MD
 Sample : L5063-08RE
 Misc : 4.78G/10ML/MSVOA Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COAEORE

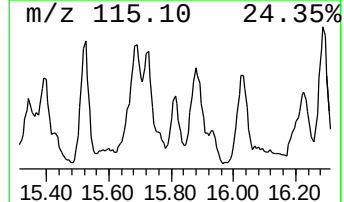
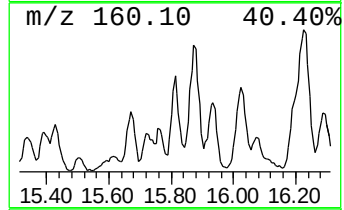
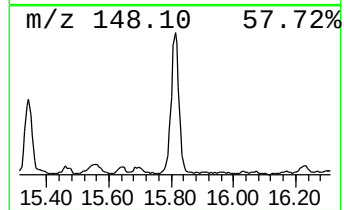
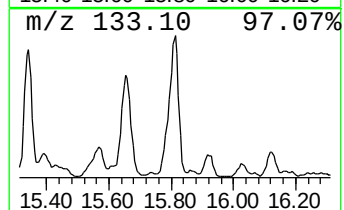
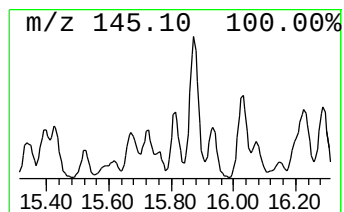
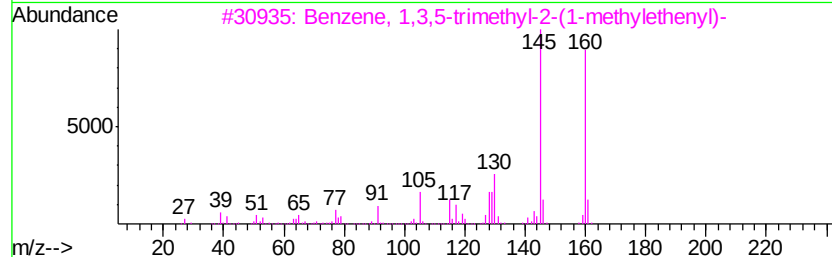
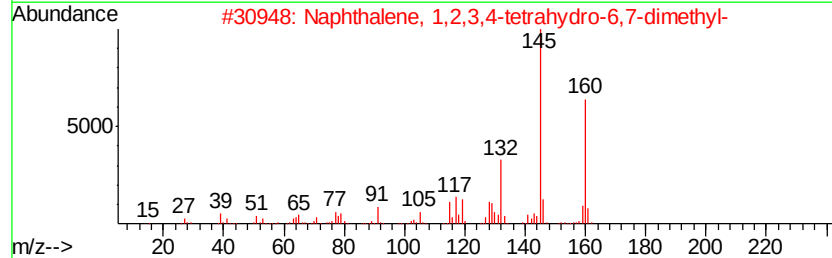
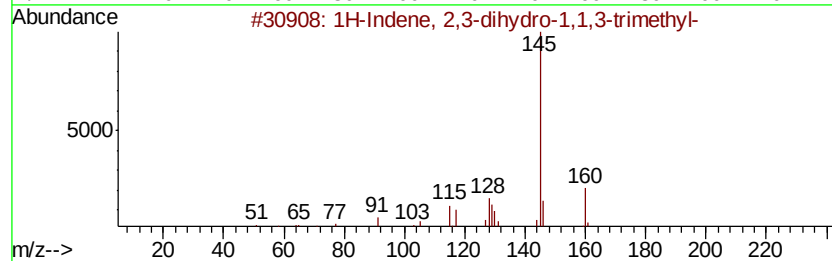
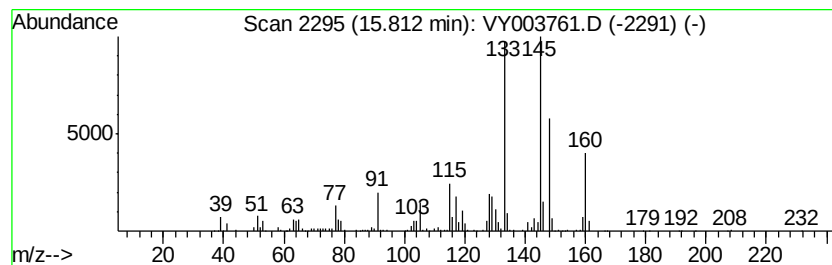
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 Quant Title : VOC Analysis

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

 Peak Number 41 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.81	43.20 ug/L	372462	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	87
2		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	87
3		Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	64
4		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	55
5		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021693-54-9	55



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121420\
Data File : VY003761.D
Acq On : 14 Dec 2020 20:20
Operator : SY/MD
Sample : L5063-08RE
Misc : 4.78G/10ML/MSVOA Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
COAEORE

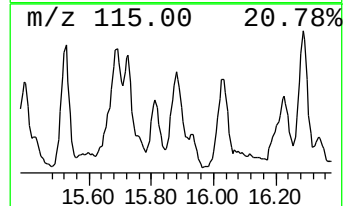
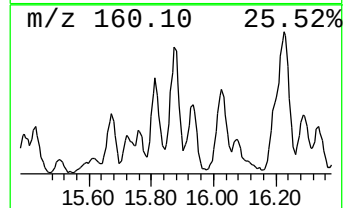
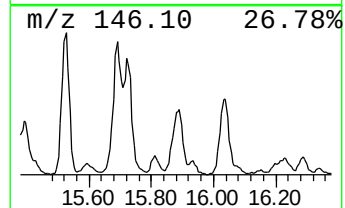
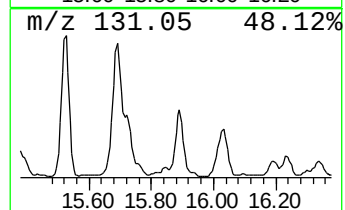
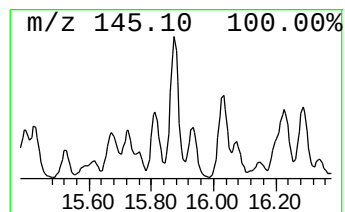
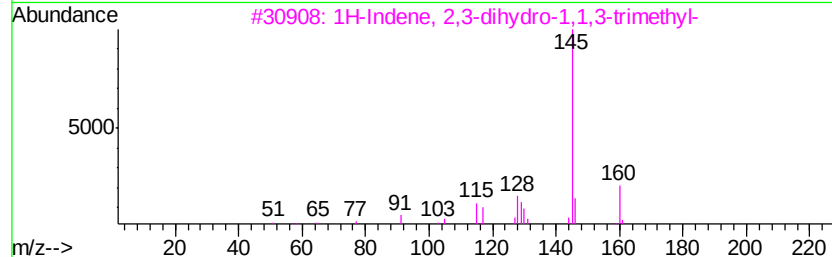
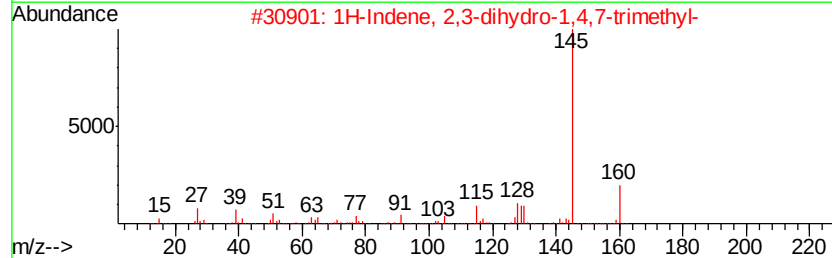
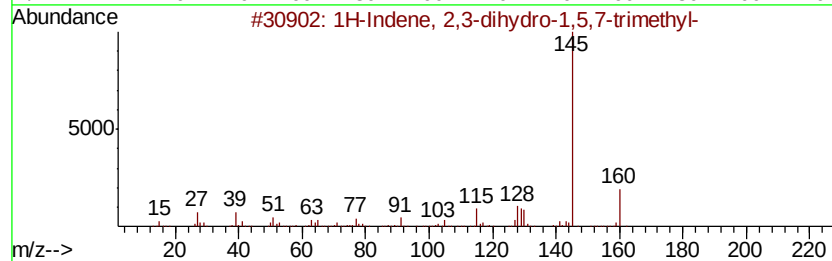
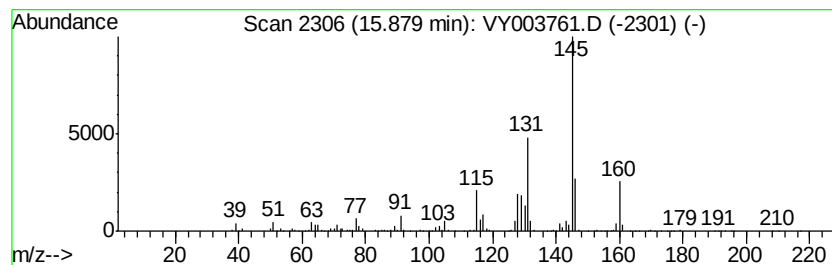
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Quant Title : VOC Analysis

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

Peak Number 42 1H-Indene, 2,3-dihydro-1,5,... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.88	56.52 ug/L	487251	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-1,5,7-tri...	160	C12H16	054340-88-4	86
2		1H-Indene, 2,3-dihydro-1,4,7-tri...	160	C12H16	054340-87-3	70
3		1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	68
4		1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	64
5		1H-Indene, 2,3-dihydro-4,5,7-tri...	160	C12H16	006682-06-0	62



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121420\
Data File : VY003761.D
Acq On : 14 Dec 2020 20:20
Operator : SY/MD
Sample : L5063-08RE
Misc : 4.78G/10ML/MSVOA Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

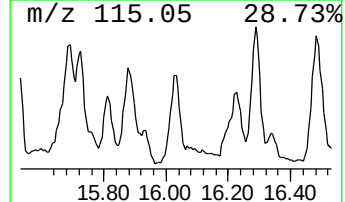
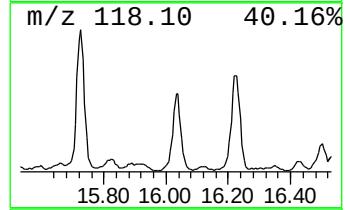
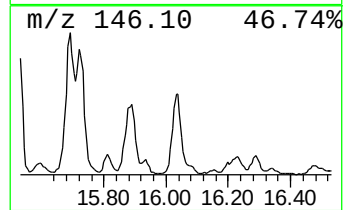
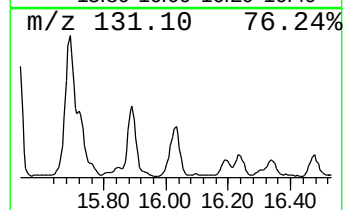
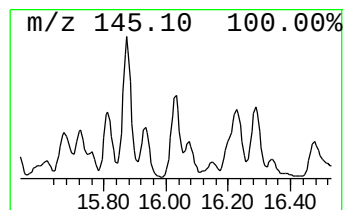
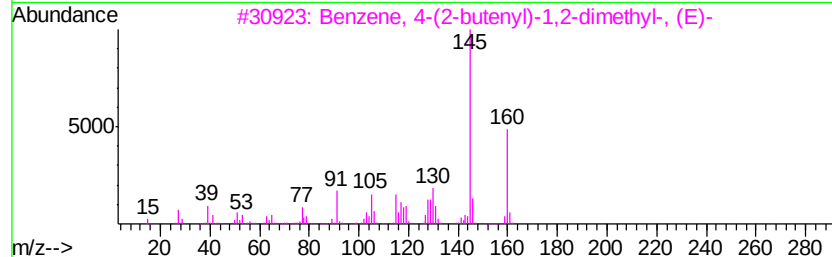
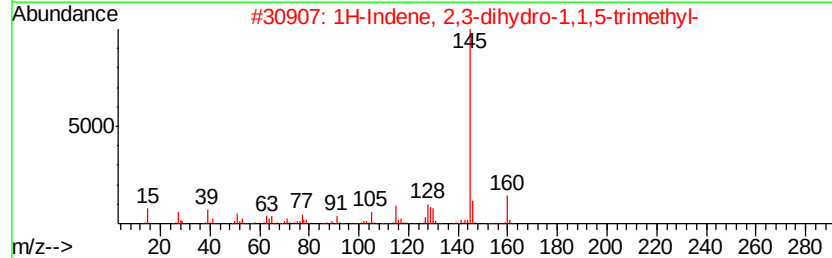
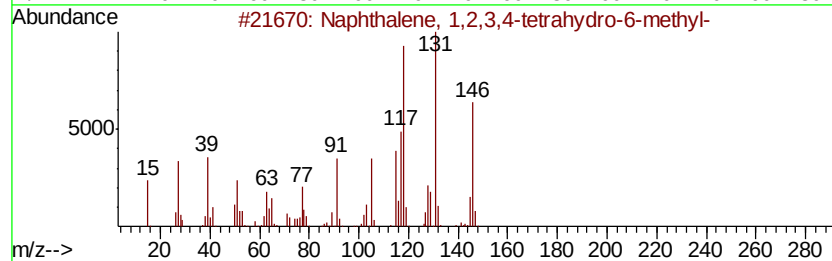
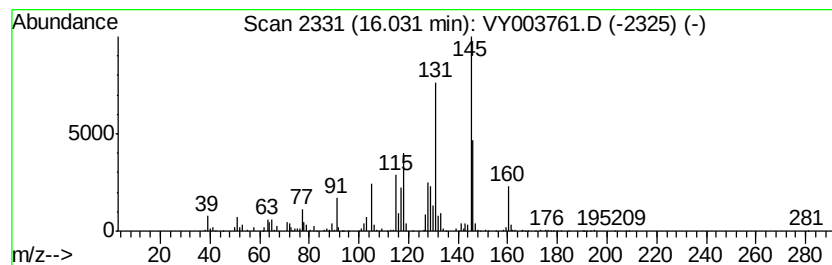
Instrument :
MSVOA_Y
ClientSampleId :
COAEORE

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

Peak Number 43 unknown-03 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.03	58.66 ug/L	505751	1,4-Dichlorobenzene-d4	13.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1,2,3,4-tetrahydro-...	146 C11H14	001680-51-9 49
2		1H-Indene, 2,3-dihydro-1,1,5-tri...	160 C12H16	040650-41-7 46
3		Benzene, 4-(2-butenyl)-1,2-dimet...	160 C12H16	054340-86-2 46
4		Naphthalene, 1,2,3,4-tetrahydro-...	146 C11H14	001680-51-9 45
5		Benzene, 1-(2-butenyl)-2,3-dimet...	160 C12H16	054340-85-1 43



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121420\
Data File : VY003761.D
Acq On : 14 Dec 2020 20:20
Operator : SY/MD
Sample : L5063-08RE
Misc : 4.78G/10ML/MSVOA Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
COAEORE

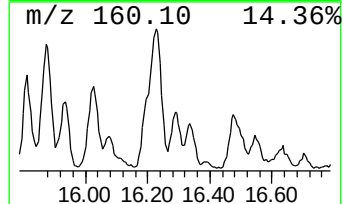
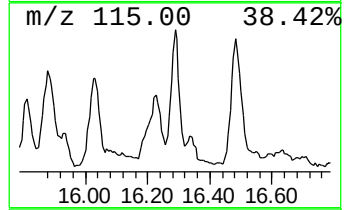
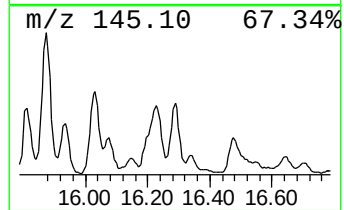
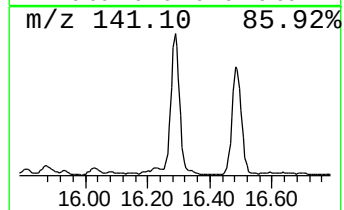
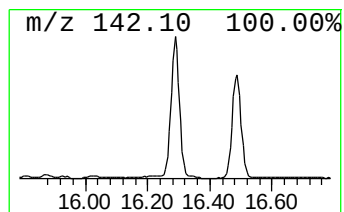
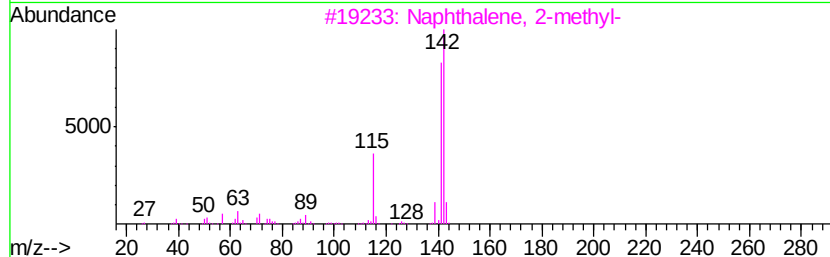
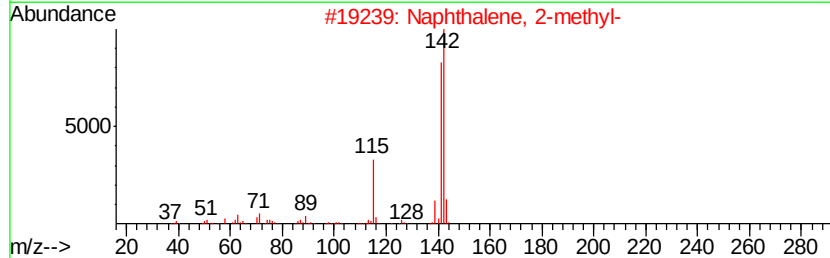
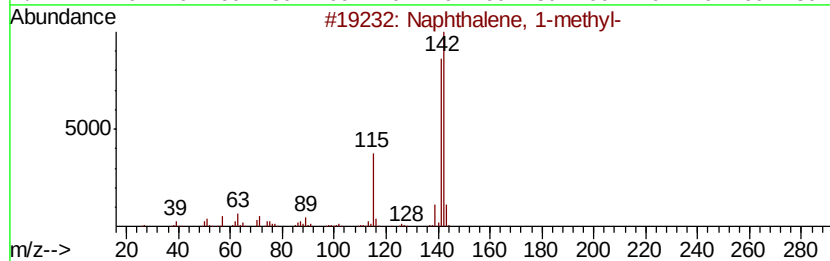
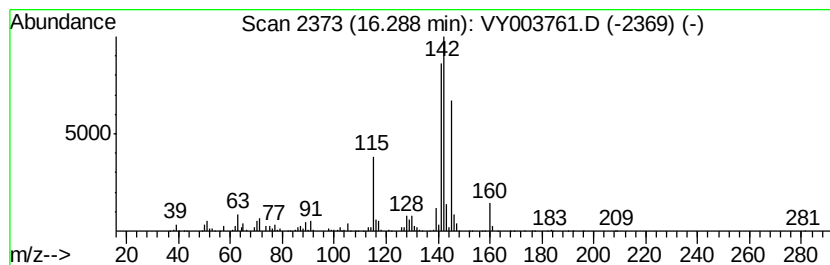
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Quant Title : VOC Analysis

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

Peak Number 44 Naphthalene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.29	37.74 ug/L	325352	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
4		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	89
5		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	89



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121420\
Data File : VY003761.D
Acq On : 14 Dec 2020 20:20
Operator : SY/MD
Sample : L5063-08RE
Misc : 4.78G/10ML/MSVOA Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
COAEORE

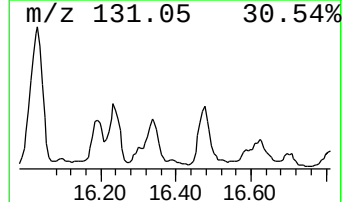
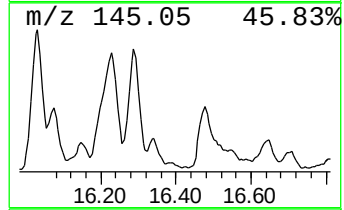
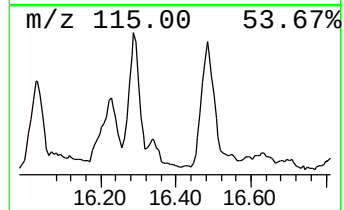
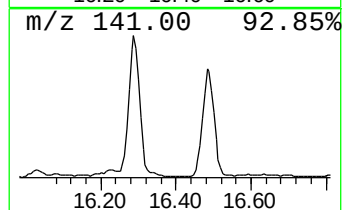
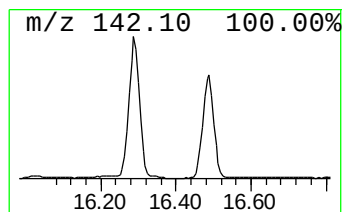
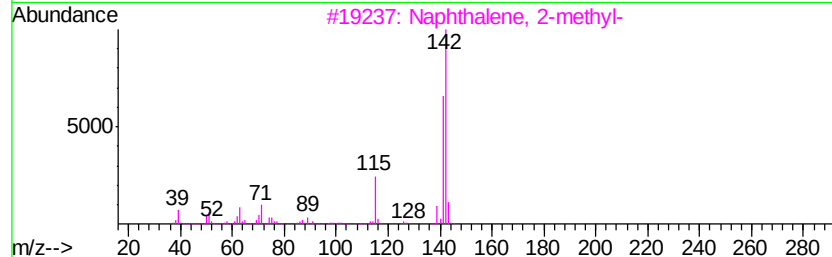
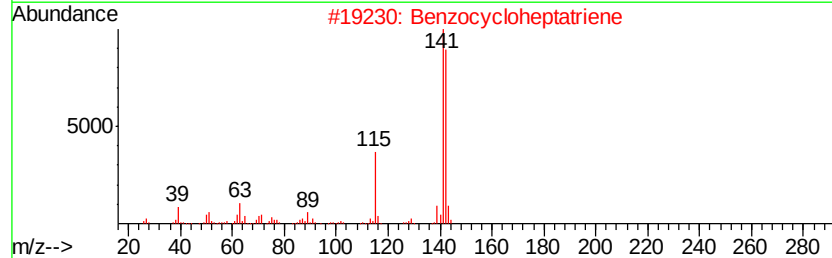
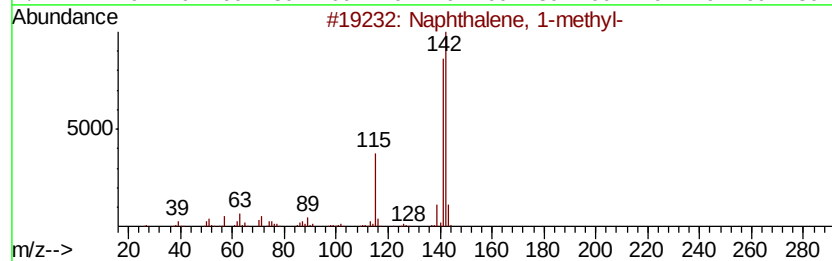
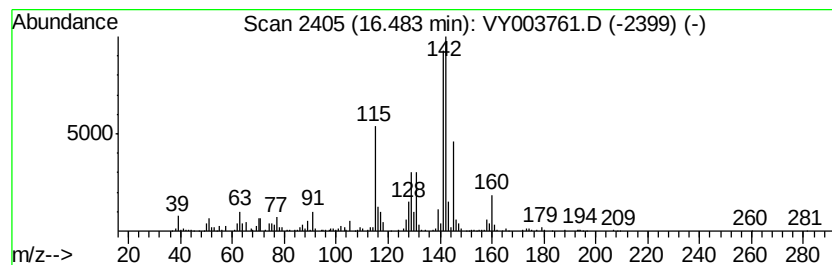
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM121420S.M
Quant Title : VOC Analysis

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

Peak Number 45 Benzocycloheptatriene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.48	67.09 ug/L	578375	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
2		Benzocycloheptatriene	142	C11H10	000264-09-5	60
3		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	60
4		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	60
5		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	60



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121420\
 Data File : VY003761.D
 Acq On : 14 Dec 2020 20:20
 Operator : SY/MD
 Sample : L5063-08RE
 Misc : 4.78G/10ML/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 C0AE0RE

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: Str...	12.64	6.2	ug/L	53640	3	13.42	215531	25.0
1,4-Hexadiene, 5-...	12.73	2.1	ug/L	18156	3	13.42	215531	25.0
Mesitylene	12.81	25.3	ug/L	217726	3	13.42	215531	25.0
Benzene, 1-ethyl-...	12.97	14.2	ug/L	122466	3	13.42	215531	25.0
Benzene, 1-ethyl-...	13.66	40.5	ug/L	348926	3	13.42	215531	25.0
Benzene, 1-methyl...	13.82	17.5	ug/L	150963	3	13.42	215531	25.0
Benzene, 2-ethyl-...	13.89	18.8	ug/L	162151	3	13.42	215531	25.0
o-Cymene	13.91	17.6	ug/L	151697	3	13.42	215531	25.0
Benzene, 4-ethyl-...	13.97	25.2	ug/L	217077	3	13.42	215531	25.0
unknown-01	14.07	39.9	ug/L	344254	3	13.42	215531	25.0
Benzene, 1,3-dime...	14.13	20.0	ug/L	172633	3	13.42	215531	25.0
cis-Decalin, 2-sy...	14.25	12.6	ug/L	108965	3	13.42	215531	25.0
Benzene, 1,2,3,4-...	14.29	15.7	ug/L	134973	3	13.42	215531	25.0
Benzene, 1,2,3,5-...	14.33	83.7	ug/L	721134	3	13.42	215531	25.0
Benzene, 1,4-diet...	14.38	15.7	ug/L	135222	3	13.42	215531	25.0
unknown-02	14.42	21.4	ug/L	184351	3	13.42	215531	25.0
Benzene, 1-methyl...	14.61	28.8	ug/L	248307	3	13.42	215531	25.0
1,3-Cyclopentadie...	14.67	144.9	ug/L	1248870	3	13.42	215531	25.0
Benzene, (1,1-dim...	14.74	19.1	ug/L	164286	3	13.42	215531	25.0
Benzene, (1-methy...	14.94	87.5	ug/L	754515	3	13.42	215531	25.0
1,3-Cyclopentadie...	15.05	134.3	ug/L	1157950	3	13.42	215531	25.0
Benzene, pentamet...	15.19	32.7	ug/L	282233	3	13.42	215531	25.0
Naphthalene, 1,2,...	15.29	34.6	ug/L	298017	3	13.42	215531	25.0
Benzene, 1,4-dime...	15.34	28.4	ug/L	244525	3	13.42	215531	25.0
1H-Indene, 2,3-di...	15.53	74.8	ug/L	644400	3	13.42	215531	25.0
1H-Indene, 2,3-di...	15.81	43.2	ug/L	372462	3	13.42	215531	25.0
1H-Indene, 2,3-di...	15.88	56.5	ug/L	487251	3	13.42	215531	25.0
unknown-03	16.03	58.7	ug/L	505751	3	13.42	215531	25.0
Naphthalene, 1-me...	16.29	37.7	ug/L	325352	3	13.42	215531	25.0
Benzocycloheptatr...	16.48	67.1	ug/L	578375	3	13.42	215531	25.0