

Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
 Data File : VY003734.D
 Acq On : 11 Dec 2020 17:58
 Operator : SY/MD
 Sample : L5063-05
 Misc : 4.57G/10ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 C0AD7

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\SOM2YLM120420S.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	35	39	41	rBV2	1860	2436	0.10%	0.008%
2	2.247	64	70	82	rBV	68300	111817	4.59%	0.375%
3	2.534	112	117	118	rBV2	2550	3714	0.15%	0.012%
4	2.766	148	155	169	rBV	61143	125216	5.14%	0.420%
5	3.125	213	214	219	rVB3	601	573	0.02%	0.002%
6	3.253	232	235	241	rVB7	975	1678	0.07%	0.006%
7	3.387	255	257	261	rVV3	441	576	0.02%	0.002%
8	3.790	319	323	324	rBV2	458	550	0.02%	0.002%
9	3.863	324	335	347	rBV	127278	337227	13.84%	1.132%
10	4.186	382	388	389	rBV	624	931	0.04%	0.003%
11	4.223	389	394	396	rVV3	1567	2994	0.12%	0.010%
12	4.735	465	478	489	rBV3	7490	23600	0.97%	0.079%
13	4.924	504	509	510	rBV3	890	856	0.04%	0.003%
14	4.936	510	511	513	rBV2	524	491	0.02%	0.002%
15	5.180	547	551	553	rBV4	402	465	0.02%	0.002%
16	5.771	637	648	656	rVB4	2068	7583	0.31%	0.025%
17	6.905	820	834	842	rBV	41265	120831	4.96%	0.406%
18	6.996	844	849	871	rVB2	15982	57349	2.35%	0.192%
19	7.490	919	930	945	rVB	171413	425146	17.45%	1.427%
20	7.600	947	948	952	rVB2	492	474	0.02%	0.002%
21	7.691	957	963	964	rBV2	931	1376	0.06%	0.005%
22	8.118	1022	1033	1050	rBV2	369488	1078080	44.24%	3.618%
23	8.472	1088	1091	1094	rBV3	427	588	0.02%	0.002%
24	8.697	1119	1128	1140	rBV	325976	646980	26.55%	2.171%
25	8.929	1160	1166	1174	rVB3	14279	27866	1.14%	0.094%
26	9.124	1190	1198	1207	rBV	245989	491687	20.18%	1.650%
27	9.374	1235	1239	1240	rVB2	517	510	0.02%	0.002%
28	9.392	1240	1242	1244	rBV2	509	584	0.02%	0.002%
29	9.520	1257	1263	1268	rVV4	1485	2912	0.12%	0.010%
30	9.624	1275	1280	1284	rVV4	583	1211	0.05%	0.004%
31	9.661	1284	1286	1291	rVB2	487	658	0.03%	0.002%
32	9.758	1298	1302	1305	rBV3	978	1004	0.04%	0.003%
33	9.892	1312	1324	1331	rBV	121249	210427	8.64%	0.706%
34	9.978	1335	1338	1342	rVB4	676	995	0.04%	0.003%

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Integration Parameters: LSCINT.P

Integrator: RTE
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Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
 Title : VOC Analysis

35	10.069	1350	1353	1357	rBV3	1230	1786	0.07%	0.006%
36	10.179	1364	1371	1378	rBV	423259	738183	30.29%	2.477%
37	10.246	1378	1382	1388	rVB2	9401	15706	0.64%	0.053%
38	10.331	1393	1396	1399	rVB3	718	596	0.02%	0.002%
39	10.441	1407	1414	1426	rBV	72315	121599	4.99%	0.408%
40	10.581	1430	1437	1443	rBV	34291	61066	2.51%	0.205%
41	10.715	1453	1459	1464	rBV5	3777	6921	0.28%	0.023%
42	10.788	1464	1471	1482	rBV	171231	275311	11.30%	0.924%
43	10.953	1491	1498	1509	rBV	28787	62133	2.55%	0.209%
44	11.173	1532	1534	1537	rBV	347	459	0.02%	0.002%
45	11.264	1545	1549	1551	rVV2	653	866	0.04%	0.003%
46	11.319	1551	1558	1564	rVV2	22190	37949	1.56%	0.127%
47	11.490	1578	1586	1597	rBV	353020	573971	23.55%	1.926%
48	11.593	1597	1603	1607	rBV5	1853	4001	0.16%	0.013%
49	11.697	1612	1620	1625	rBV2	5689	12739	0.52%	0.043%
50	11.740	1625	1627	1630	rBV4	1197	1201	0.05%	0.004%
51	11.843	1641	1644	1646	rBV4	1769	2821	0.12%	0.009%
52	12.008	1665	1671	1672	rBV5	4285	8361	0.34%	0.028%
53	12.099	1682	1686	1687	rBV4	1846	2890	0.12%	0.010%
54	12.203	1692	1703	1704	rBV8	7372	13165	0.54%	0.044%
55	12.233	1705	1708	1713	rVB4	10972	18430	0.76%	0.062%
56	12.325	1720	1723	1726	rBV5	5541	8359	0.34%	0.028%
57	12.489	1745	1750	1755	rVB	46029	74183	3.04%	0.249%
58	12.563	1755	1762	1768	rBV	167287	272957	11.20%	0.916%
59	12.642	1771	1775	1783	rVB4	33457	60149	2.47%	0.202%
60	12.733	1783	1790	1793	rBV6	16608	38075	1.56%	0.128%
61	12.813	1797	1803	1815	rVB	104709	194248	7.97%	0.652%
62	12.971	1825	1829	1837	rVB	98448	178861	7.34%	0.600%
63	13.038	1837	1840	1848	rBV7	19482	52649	2.16%	0.177%
64	13.117	1848	1853	1858	rVV	165397	247152	10.14%	0.829%
65	13.251	1871	1875	1879	rVB	53967	76667	3.15%	0.257%
66	13.312	1879	1885	1889	rBV2	106422	182668	7.50%	0.613%
67	13.422	1898	1903	1906	rBV	197756	306009	12.56%	1.027%
68	13.623	1932	1936	1939	rBV2	143059	196931	8.08%	0.661%
69	13.660	1939	1942	1947	rVB2	232622	313356	12.86%	1.052%
70	13.721	1948	1952	1955	rBV	177743	326146	13.38%	1.095%
71	13.818	1965	1968	1972	rVB	129284	164655	6.76%	0.553%

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72	13.879	1974	1978	1981	rVV	246757	395760	16.24%	1.328%
73	13.910	1981	1983	1988	rVV	267147	386606	15.87%	1.297%
74	13.971	1988	1993	1998	rVB	358650	533120	21.88%	1.789%
75	14.081	2005	2011	2015	rVB	435940	689518	28.30%	2.314%
76	14.129	2015	2019	2022	rBV2	85041	157037	6.44%	0.527%
77	14.209	2028	2032	2036	rBV2	145540	231740	9.51%	0.778%
78	14.257	2036	2040	2042	rVV2	161872	261395	10.73%	0.877%
79	14.294	2043	2046	2049	rVV	359080	530803	21.78%	1.781%
80	14.331	2049	2052	2057	rVV	621116	854493	35.07%	2.868%
81	14.379	2057	2060	2063	rVV	166075	209987	8.62%	0.705%
82	14.416	2063	2066	2075	rVB3	290477	459400	18.85%	1.542%
83	14.562	2086	2090	2094	rBV2	231561	328798	13.49%	1.103%
84	14.611	2094	2098	2102	rVB	278178	367999	15.10%	1.235%
85	14.672	2102	2108	2115	rBV2	1096459	2328654	95.56%	7.815%
86	14.733	2115	2118	2124	rVB3	251532	402600	16.52%	1.351%
87	14.830	2130	2134	2138	rBV	308226	406137	16.67%	1.363%
88	14.940	2148	2152	2155	rBV3	401258	663553	27.23%	2.227%
89	15.050	2165	2170	2178	rVB2	517104	1112876	45.67%	3.735%
90	15.233	2190	2200	2205	rBV4	350099	944743	38.77%	3.171%
91	15.288	2205	2209	2213	rBV	345021	544999	22.37%	1.829%
92	15.343	2214	2218	2224	rBV2	235703	598466	24.56%	2.008%
93	15.519	2241	2247	2254	rBV2	457049	958645	39.34%	3.217%
94	15.721	2278	2280	2287	rVB	565471	834796	34.26%	2.802%
95	15.812	2291	2295	2300	rVB3	269207	465631	19.11%	1.563%
96	15.885	2301	2307	2312	rBV3	315302	733929	30.12%	2.463%
97	16.031	2325	2331	2336	rBV2	422526	808775	33.19%	2.714%
98	16.220	2359	2362	2367	rVB3	293340	506081	20.77%	1.698%
99	16.287	2367	2373	2380	rVB	1345707	2436781	100.00%	8.178%
100	16.483	2398	2405	2413	rBV	974300	2301462	94.45%	7.724%

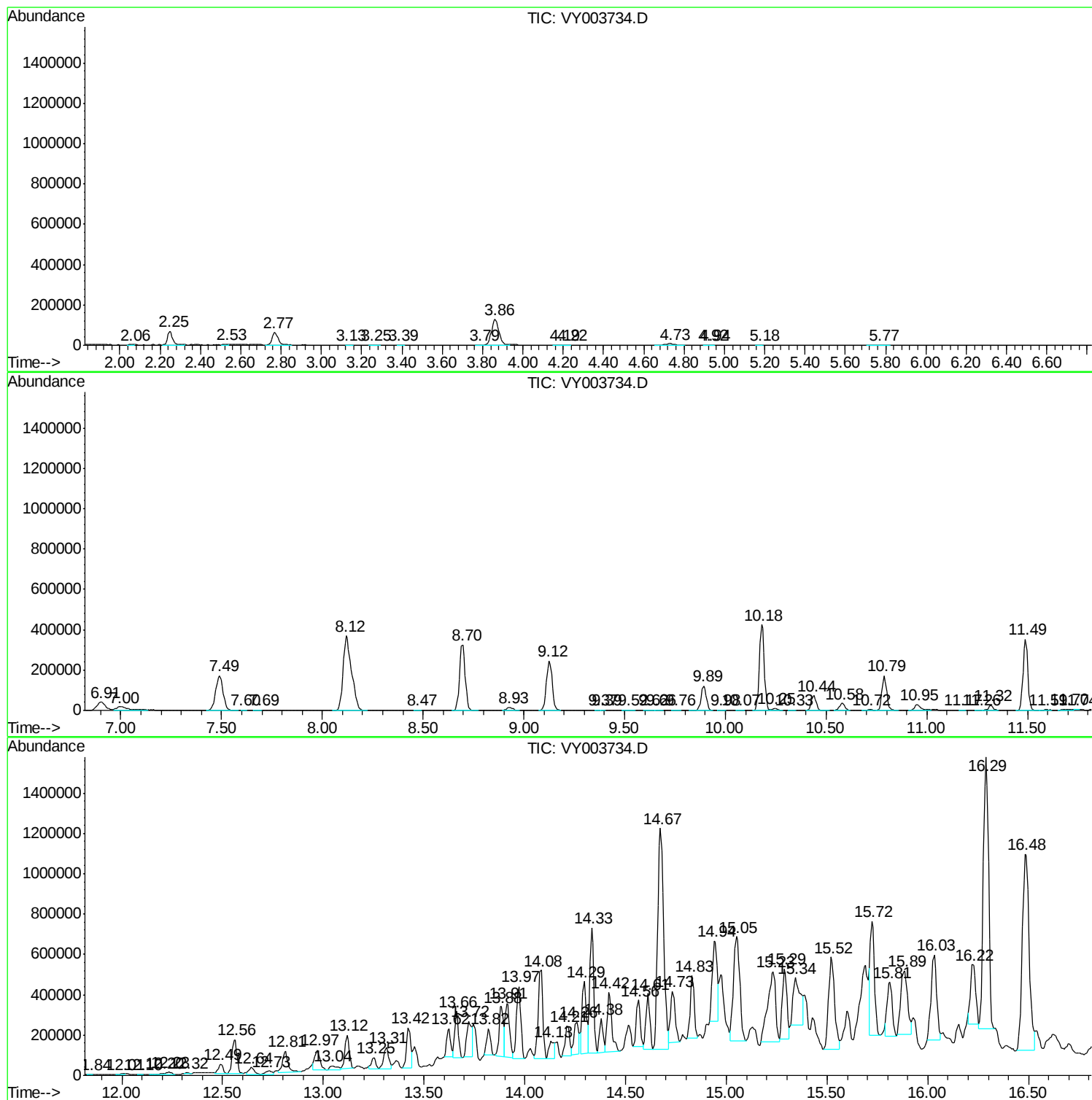
Sum of corrected areas: 29797388

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

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



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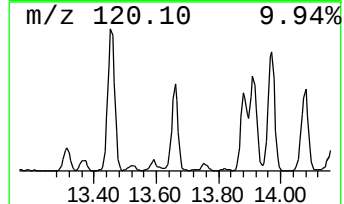
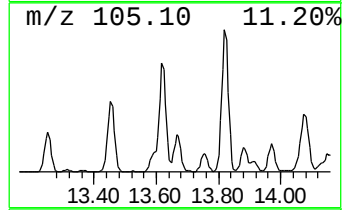
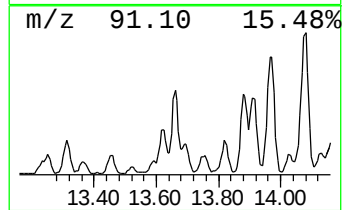
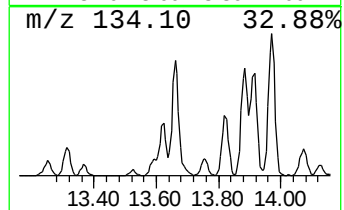
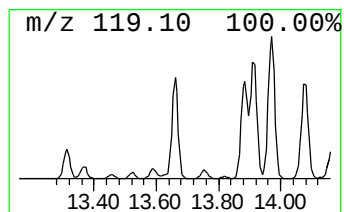
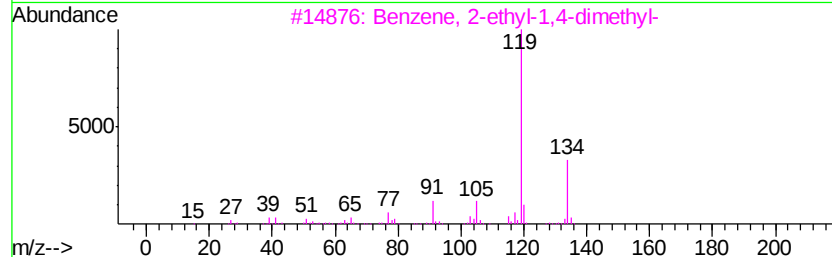
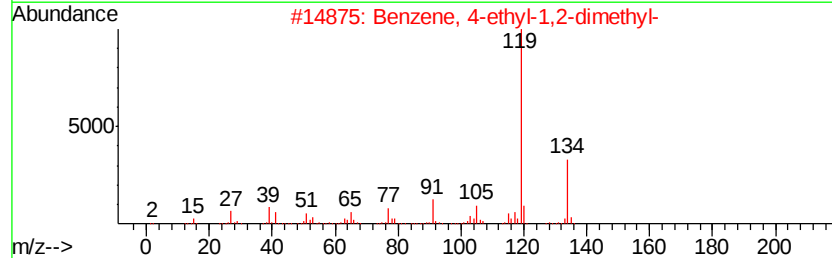
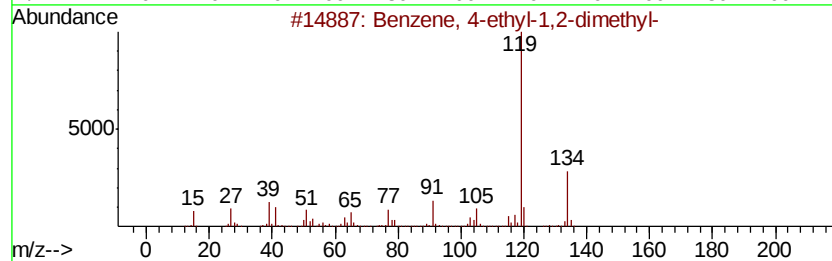
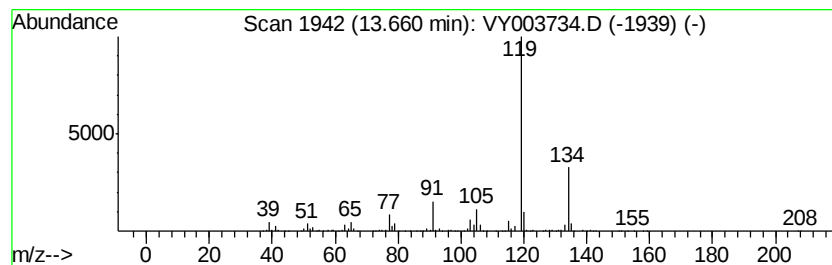
Instrument :
MSVOA_Y
ClientSampleId :
C0AD7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
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 26

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.66	25.60 ug/L	313356	1,4-Dichlorobenzene-d4	13.42		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91	
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91	
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91	
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91	
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91	



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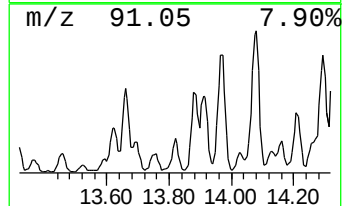
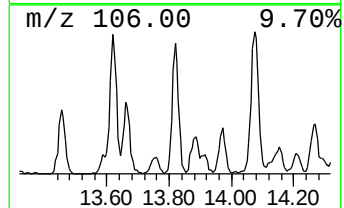
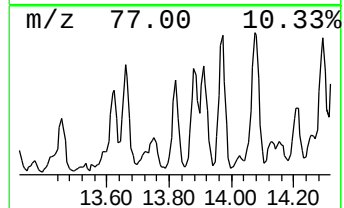
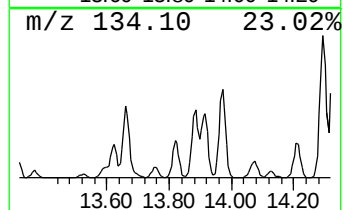
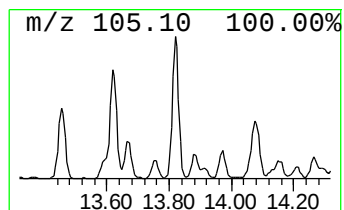
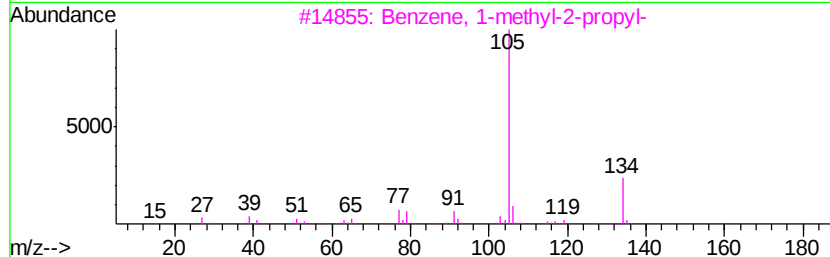
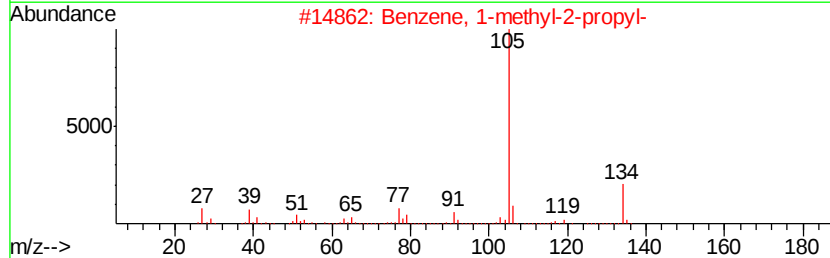
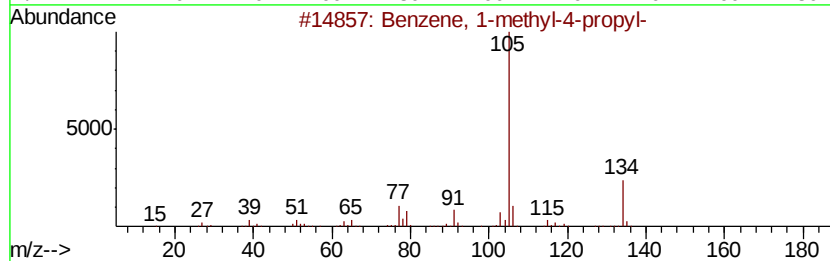
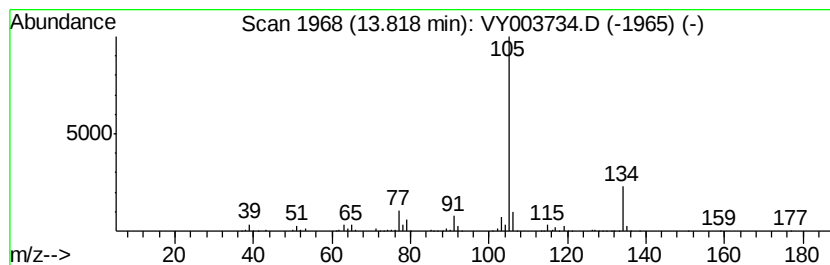
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

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

Peak Number 17 Benzene, 1-methyl-4-propyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.82	13.45 ug/L	164655	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	94
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-2-propyl-	134	C10H14	001074-17-5	91
5		Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91



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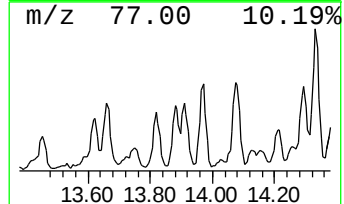
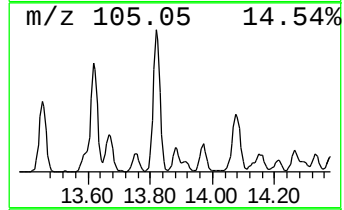
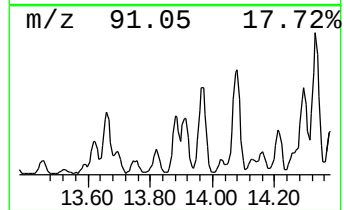
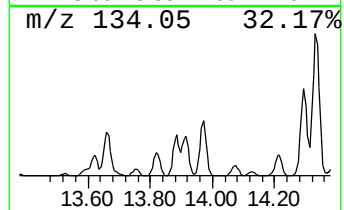
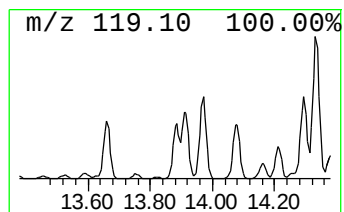
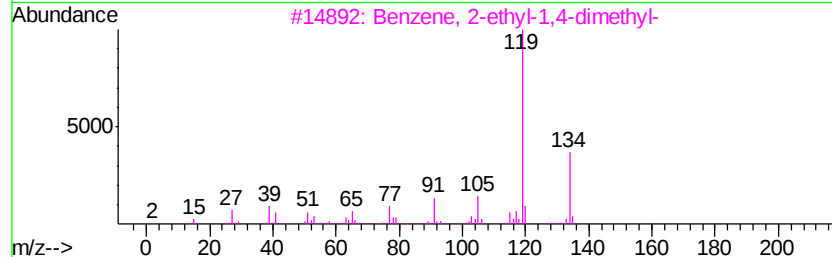
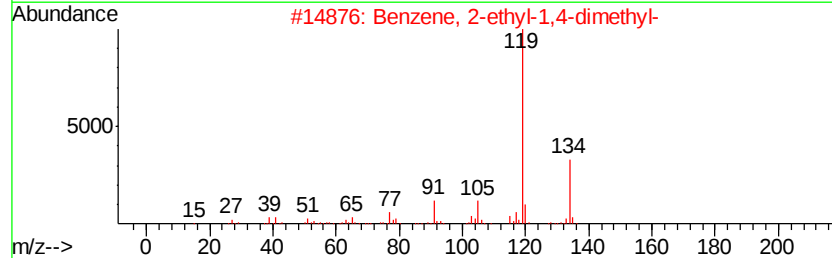
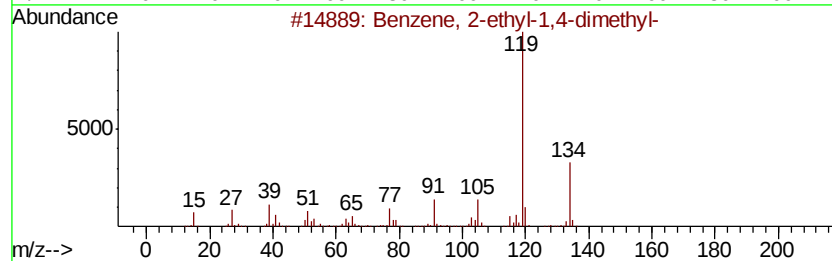
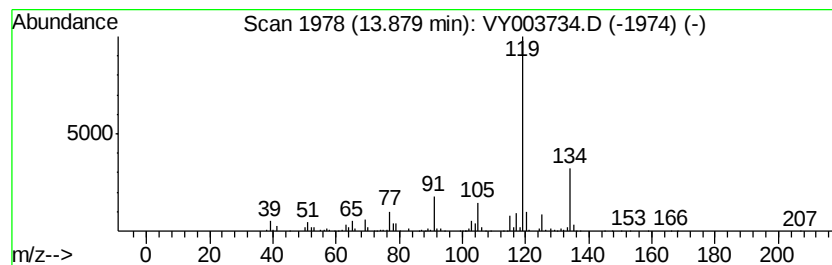
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Quant Title : VOC Analysis

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

Peak Number 18 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.88	32.33 ug/L	395760	1,4-Dichlorobenzene-d4	13.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134 C10H14	001758-88-9	97
2	Benzene, 2-ethyl-1,4-dimethyl-	134 C10H14	001758-88-9	95
3	Benzene, 2-ethyl-1,4-dimethyl-	134 C10H14	001758-88-9	95
4	Benzene, 1-ethyl-2,3-dimethyl-	134 C10H14	000933-98-2	95
5	Benzene, 4-ethyl-1,2-dimethyl-	134 C10H14	000934-80-5	95



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003734.D
Acq On : 11 Dec 2020 17:58
Operator : SY/MD
Sample : L5063-05
Misc : 4.57G/10ML/MSVOA Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

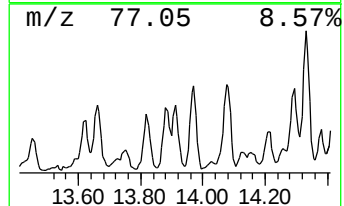
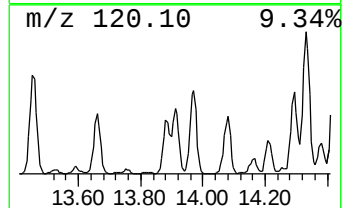
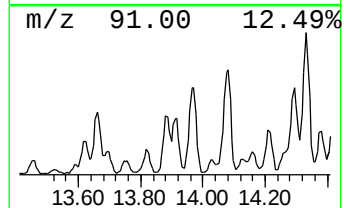
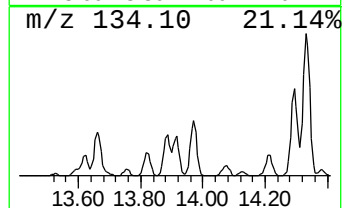
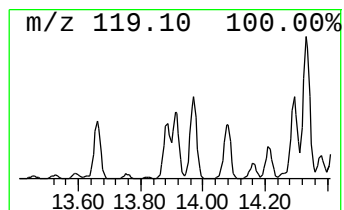
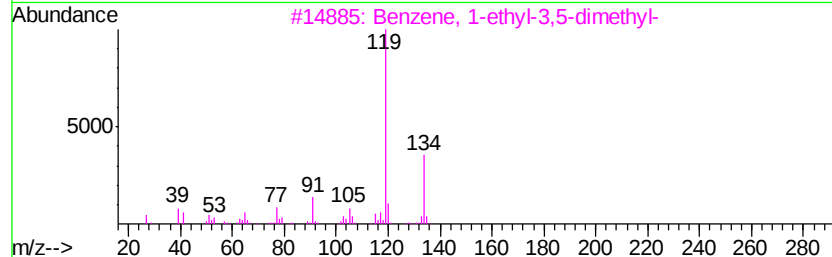
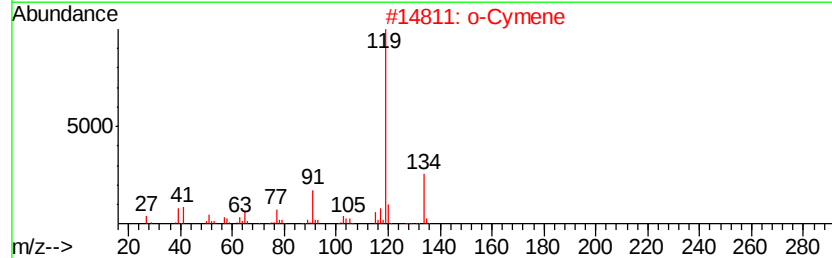
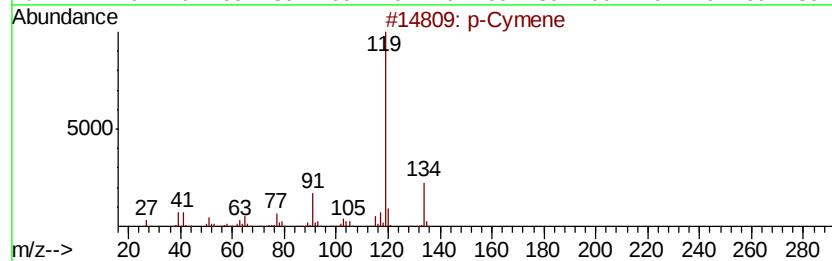
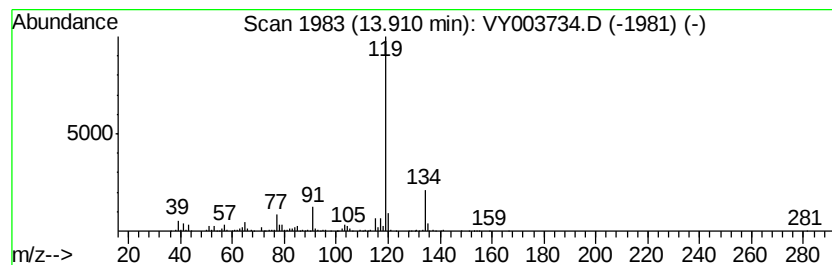
Instrument :
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ClientSampleId :
C0AD7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

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

Peak Number 19 p-Cymene Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.91	31.58 ug/L	386606	1,4-Dichlorobenzene-d4	13.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	p-Cymene	134 C10H14	000099-87-6	94
2	o-Cymene	134 C10H14	000527-84-4	94
3	Benzene, 1-ethyl-3,5-dimethyl-	134 C10H14	000934-74-7	91
4	Benzene, 1-ethyl-2,4-dimethyl-	134 C10H14	000874-41-9	91
5	Benzene, 1,2,3,4-tetramethyl-	134 C10H14	000488-23-3	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003734.D
Acq On : 11 Dec 2020 17:58
Operator : SY/MD
Sample : L5063-05
Misc : 4.57G/10ML/MSVOA Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
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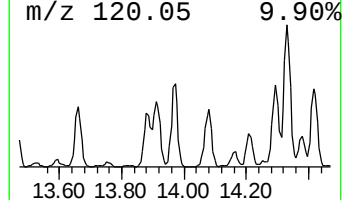
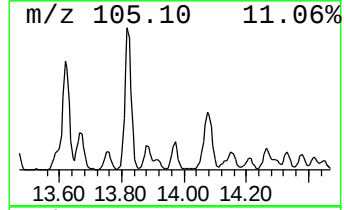
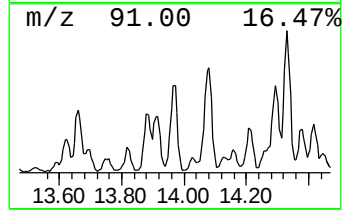
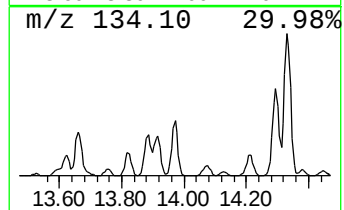
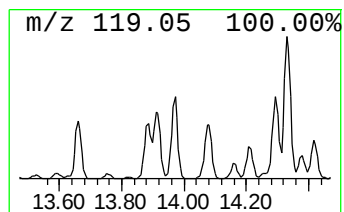
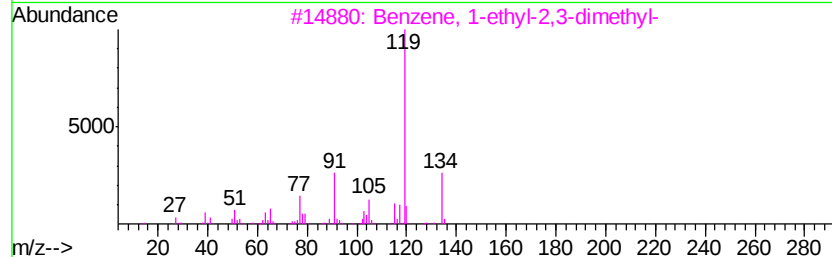
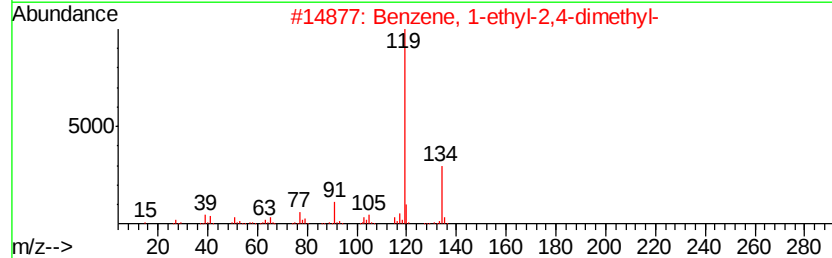
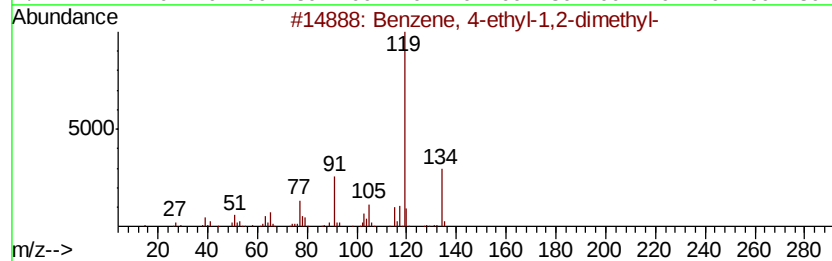
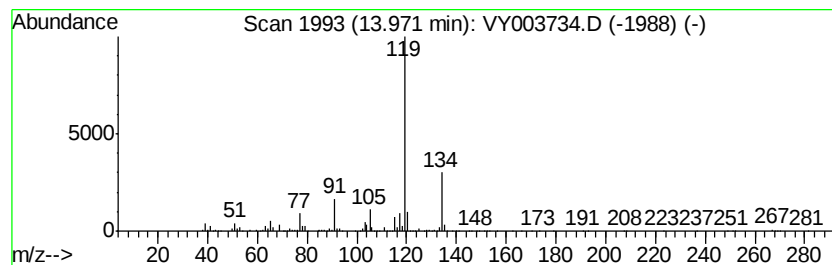
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Quant Title : VOC Analysis

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

Peak Number 20 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	43.55 ug/L	533120	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	96
2		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
3		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
4		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
5		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003734.D
Acq On : 11 Dec 2020 17:58
Operator : SY/MD
Sample : L5063-05
Misc : 4.57G/10ML/MSVOA Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

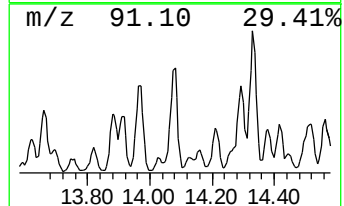
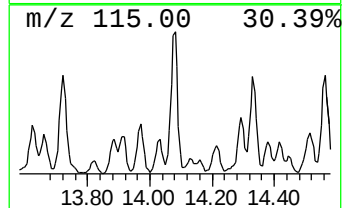
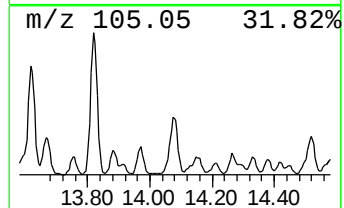
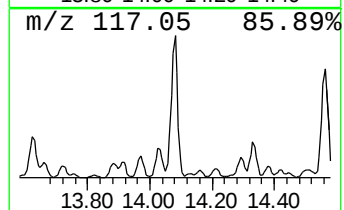
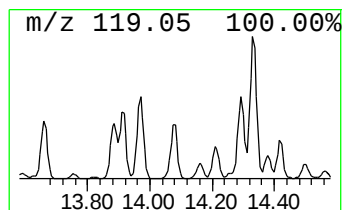
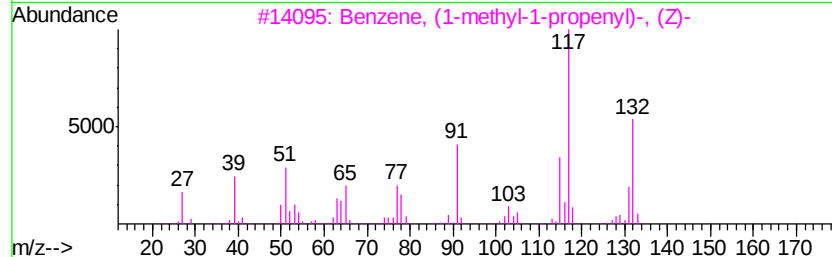
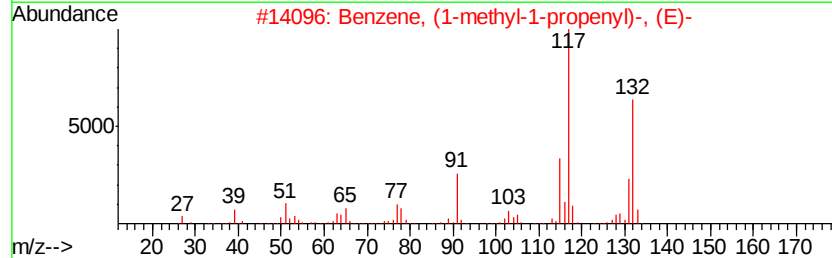
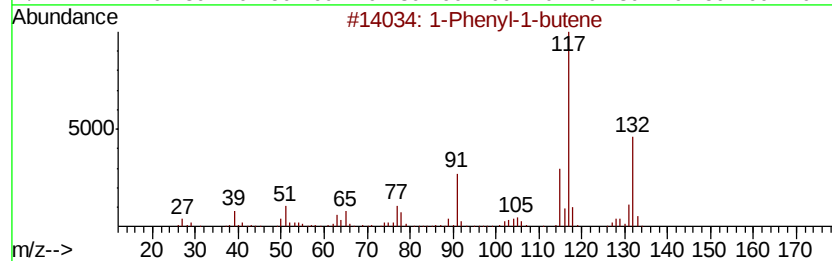
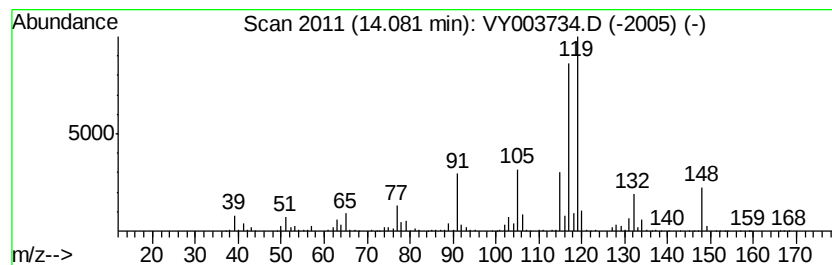
Instrument :
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ClientSampleId :
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

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

Peak Number 21 1-Phenyl-1-butene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.08	56.33 ug/L	689518	1,4-Dichlorobenzene-d4	13.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1-Phenyl-1-butene	132 C10H12	000824-90-8	87
2	Benzene, (1-methyl-1-propenyl)-,...	132 C10H12	000768-00-3	64
3	Benzene, (1-methyl-1-propenyl)-,...	132 C10H12	000767-99-7	50
4	Benzene, 1-methyl-2-(2-propenyl)-	132 C10H12	001587-04-8	50
5	Benzene, 2-ethenyl-1,4-dimethyl-	132 C10H12	002039-89-6	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003734.D
Acq On : 11 Dec 2020 17:58
Operator : SY/MD
Sample : L5063-05
Misc : 4.57G/10ML/MSVOA Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
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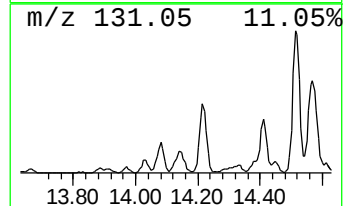
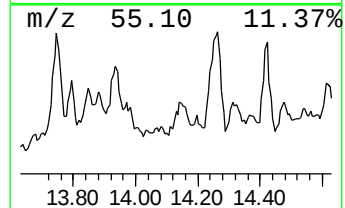
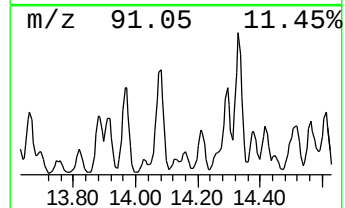
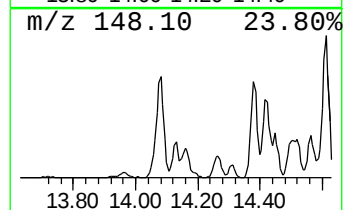
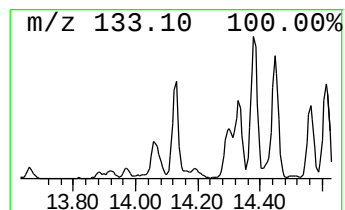
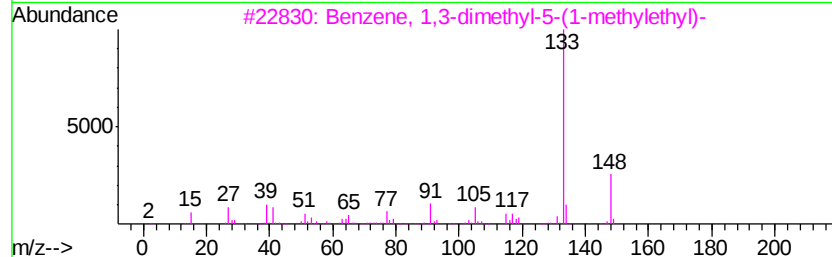
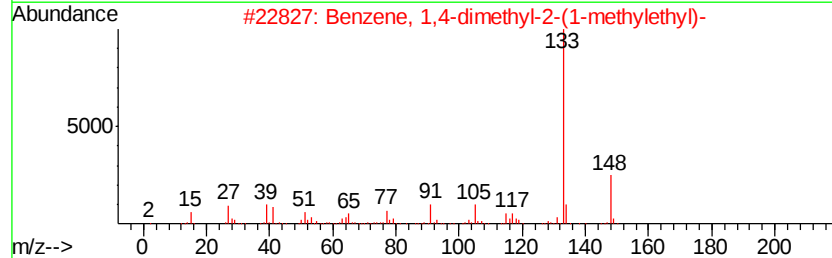
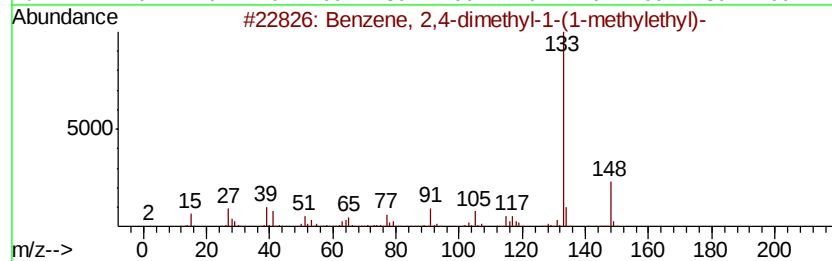
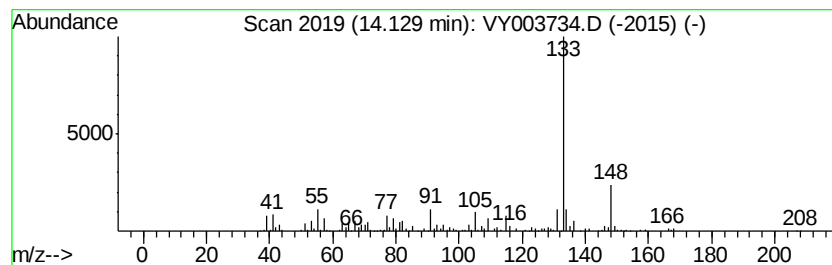
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Quant Title : VOC Analysis

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

Peak Number 22 Benzene, 2,4-dimethyl-1-(1-... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.13	12.83 ug/L	157037	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2,4-dimethyl-1-(1-methyl-...	148	C11H16	004706-89-2	83
2		Benzene, 1,4-dimethyl-2-(1-methyl-...	148	C11H16	004132-72-3	83
3		Benzene, 1,3-dimethyl-5-(1-methyl-...	148	C11H16	004706-90-5	83
4		3,4-Dimethylcumene	148	C11H16	1000370-34-1	74
5		Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003734.D
Acq On : 11 Dec 2020 17:58
Operator : SY/MD
Sample : L5063-05
Misc : 4.57G/10ML/MSVOA Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
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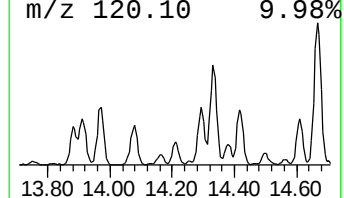
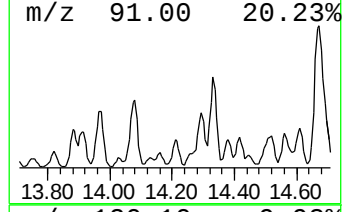
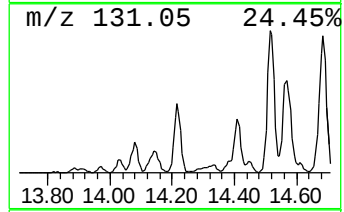
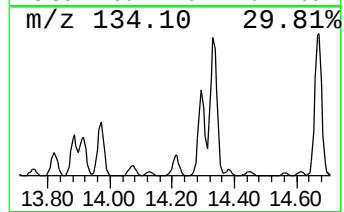
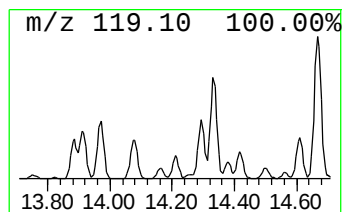
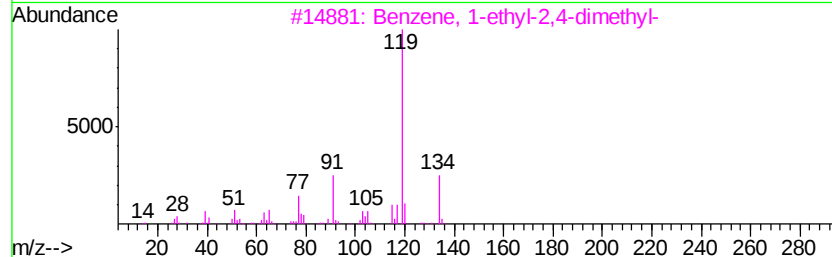
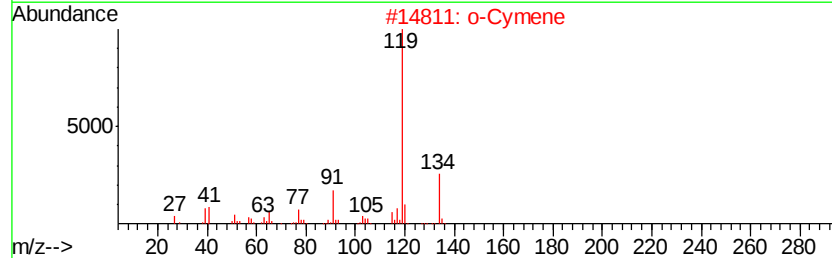
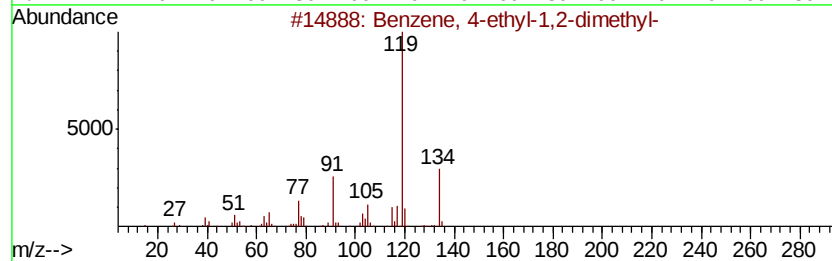
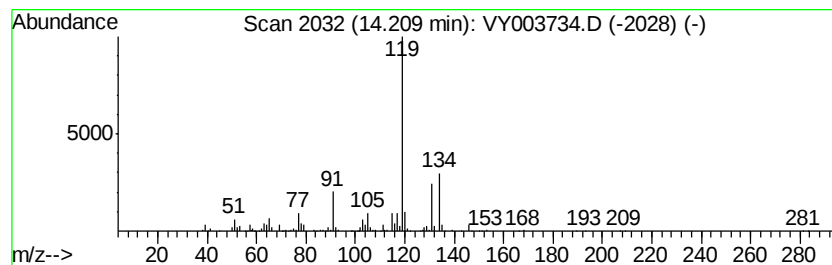
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Quant Title : VOC Analysis

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

Peak Number 23 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	18.93 ug/L	231740	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	95
2		o-Cymene	134	C10H14	000527-84-4	95
3		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
4		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
5		o-Cymene	134	C10H14	000527-84-4	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003734.D
Acq On : 11 Dec 2020 17:58
Operator : SY/MD
Sample : L5063-05
Misc : 4.57G/10ML/MSVOA Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

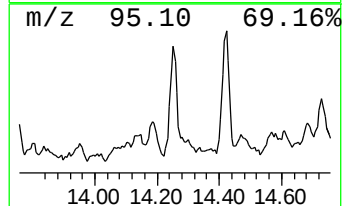
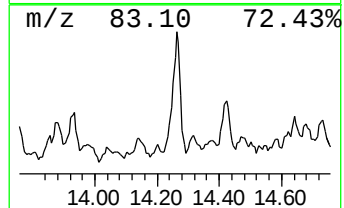
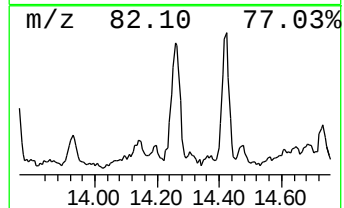
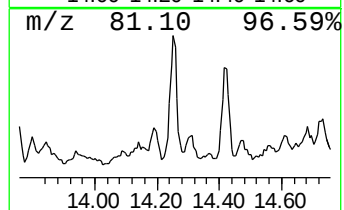
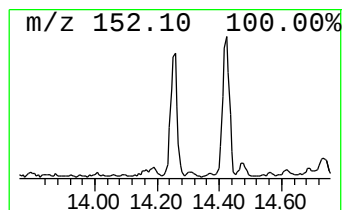
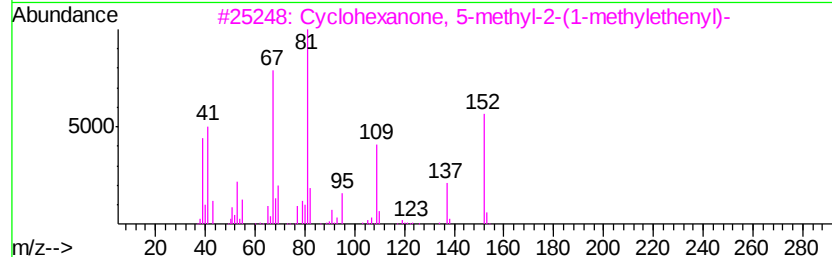
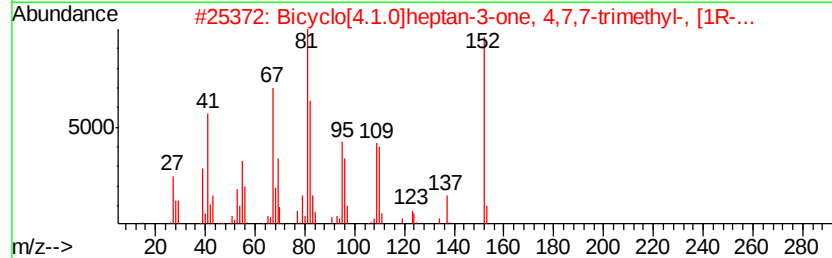
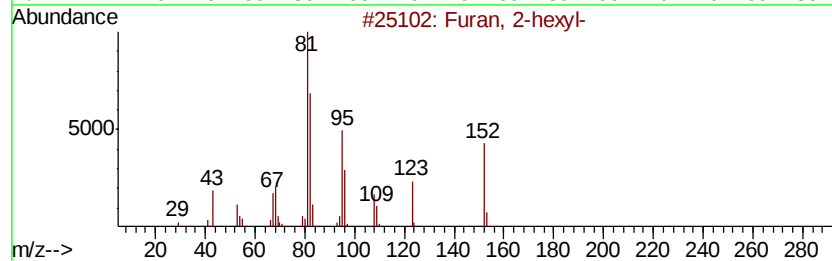
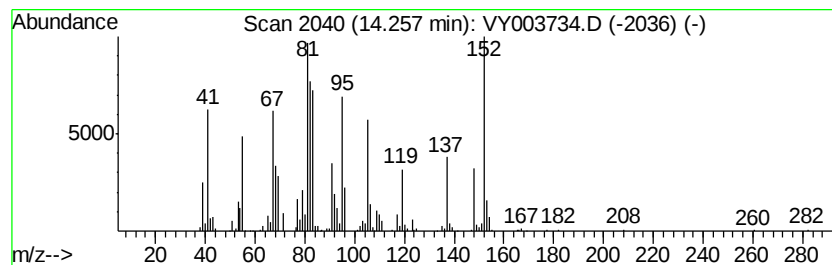
Instrument :
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ClientSampleId :
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

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

Peak Number 24 Furan, 2-hexyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.26	21.36 ug/L	261395	1,4-Dichlorobenzene-d4	13.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Furan, 2-hexyl-	152 C10H16O	003777-70-6 58
2		Bicyclo[4.1.0]heptan-3-one, 4,7,...	152 C10H16O	004176-01-6 47
3		Cyclohexanone, 5-methyl-2-(1-met...	152 C10H16O	000529-00-0 45
4		Pulegone	152 C10H16O	000089-82-7 45
5		Cyclohexanone, 5-methyl-2-(1-met...	152 C10H16O	015932-80-6 45



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003734.D
Acq On : 11 Dec 2020 17:58
Operator : SY/MD
Sample : L5063-05
Misc : 4.57G/10ML/MSVOA Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

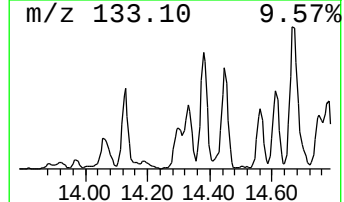
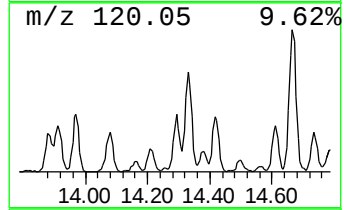
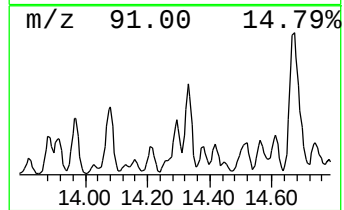
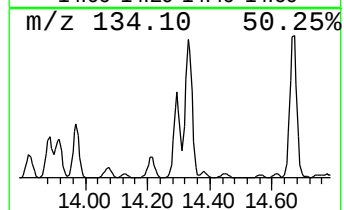
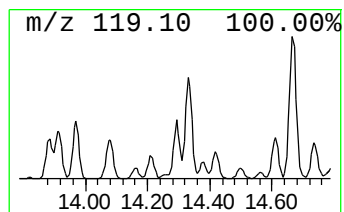
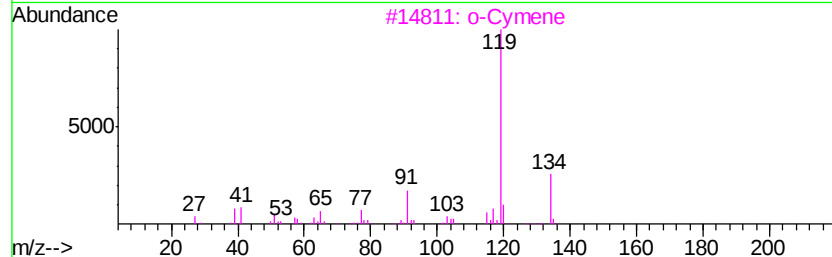
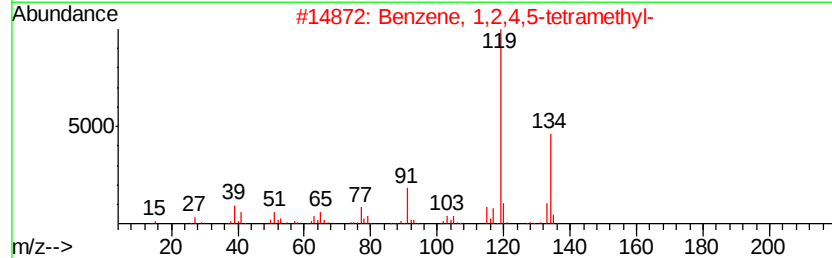
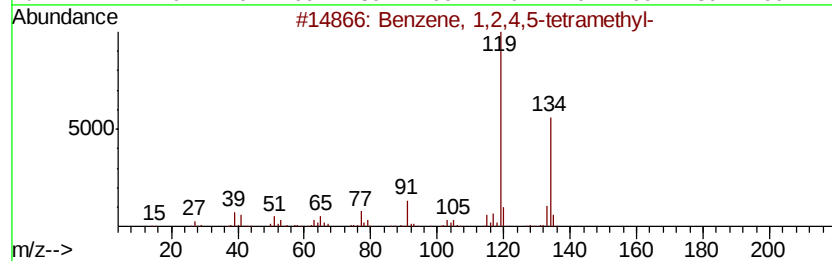
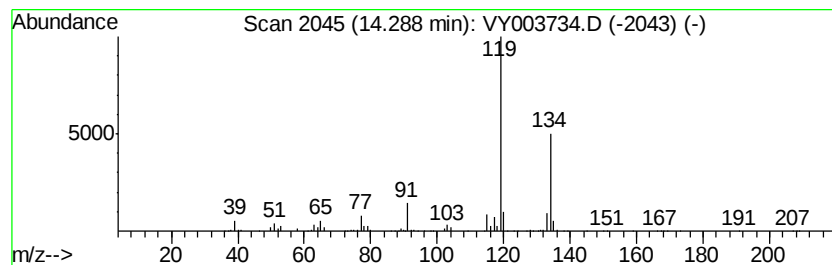
Instrument :
MSVOA_Y
ClientSampleId :
C0AD7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

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

Peak Number 25 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.29	43.37 ug/L	530803	1,4-Dichlorobenzene-d4	13.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Benzene, 1,2,4,5-tetramethyl-	134 C10H14	000095-93-2	97
2	Benzene, 1,2,4,5-tetramethyl-	134 C10H14	000095-93-2	95
3	o-Cymene	134 C10H14	000527-84-4	95
4	Benzene, 1,2,3,4-tetramethyl-	134 C10H14	000488-23-3	94
5	Benzene, 1,2,3,5-tetramethyl-	134 C10H14	000527-53-7	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003734.D
Acq On : 11 Dec 2020 17:58
Operator : SY/MD
Sample : L5063-05
Misc : 4.57G/10ML/MSVOA Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD7

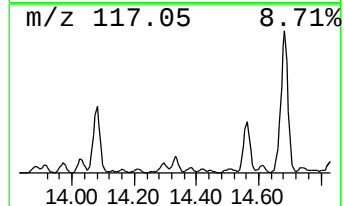
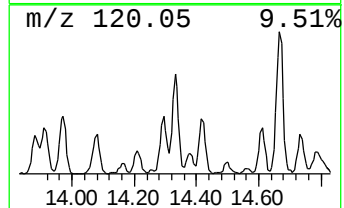
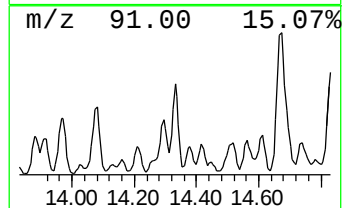
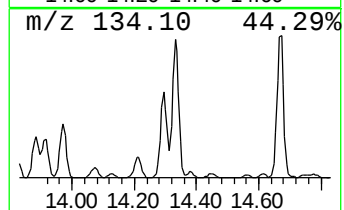
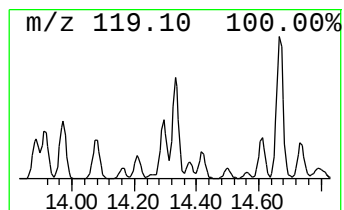
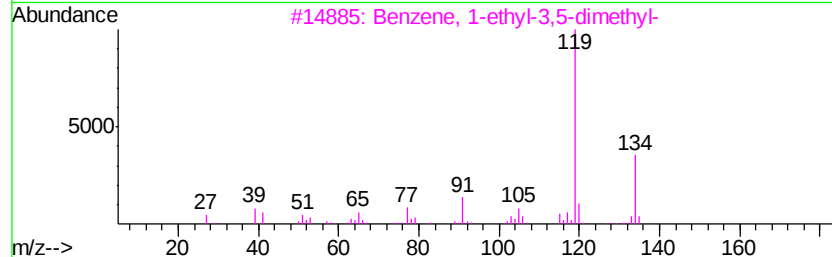
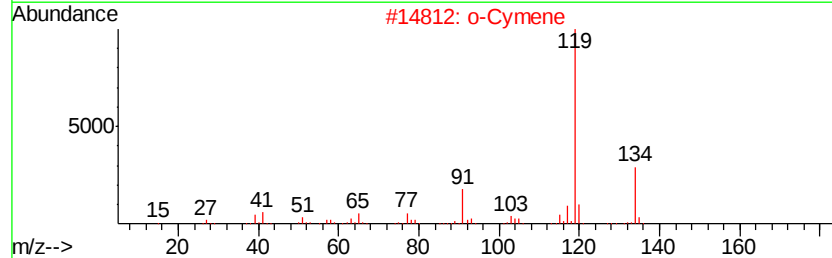
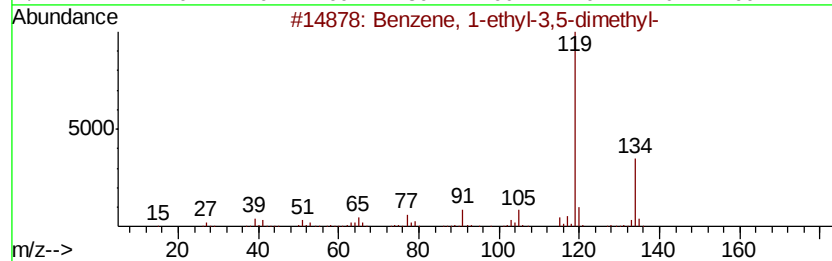
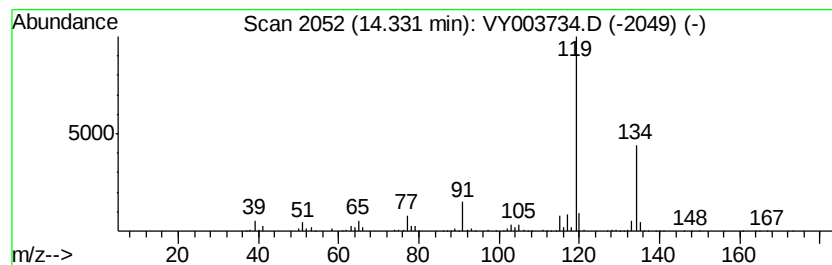
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Quant Title : VOC Analysis

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

Peak Number 26 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.33	69.81 ug/L	854493	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		o-Cymene	134	C10H14	000527-84-4	94
3		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94
4		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
5		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003734.D
Acq On : 11 Dec 2020 17:58
Operator : SY/MD
Sample : L5063-05
Misc : 4.57G/10ML/MSVOA Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD7

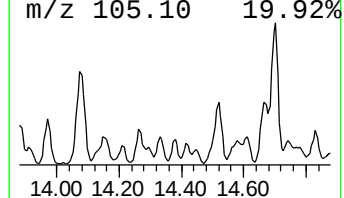
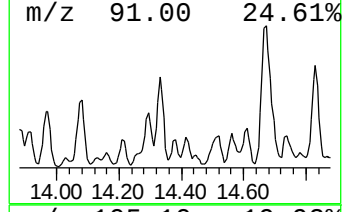
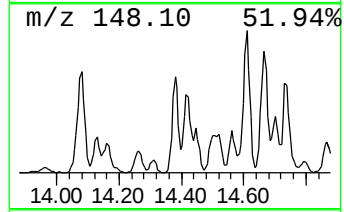
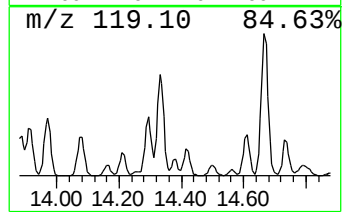
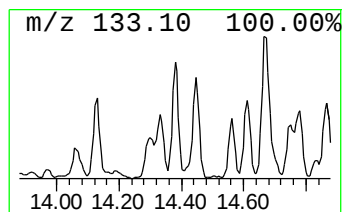
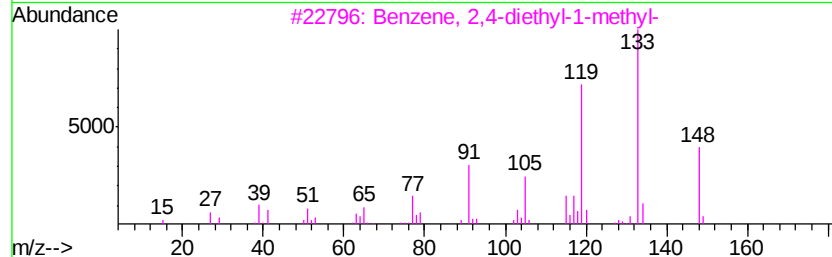
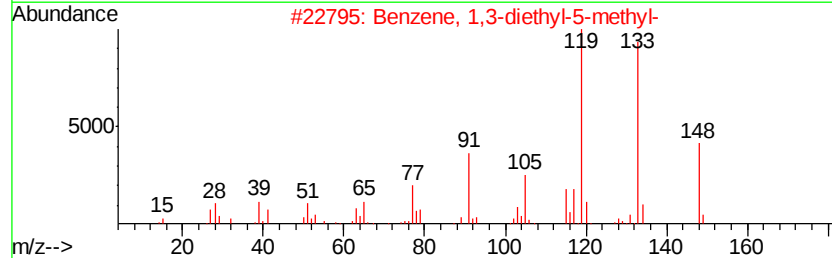
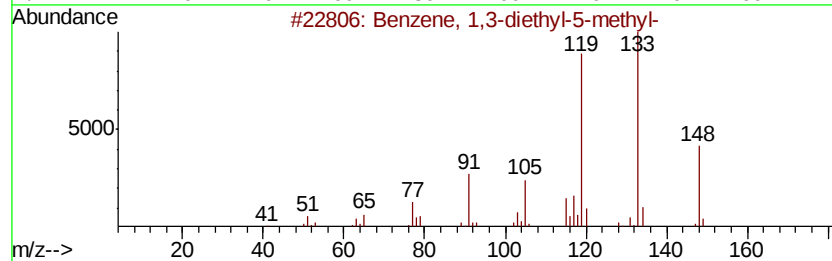
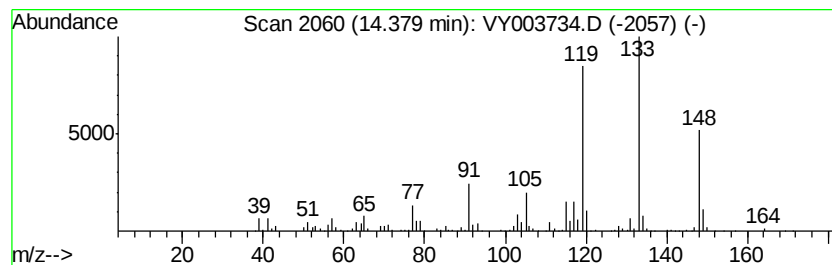
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Quant Title : VOC Analysis

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

Peak Number 27 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.38	17.16 ug/L	209987	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	95
2		Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	95
3		Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	91
4		Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	91
5		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003734.D
Acq On : 11 Dec 2020 17:58
Operator : SY/MD
Sample : L5063-05
Misc : 4.57G/10ML/MSVOA Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD7

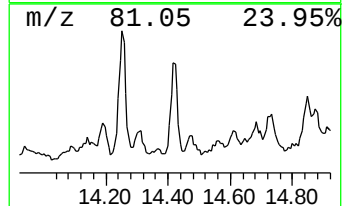
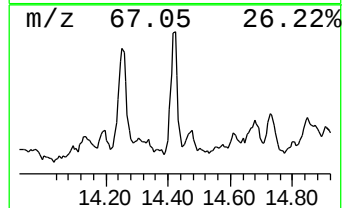
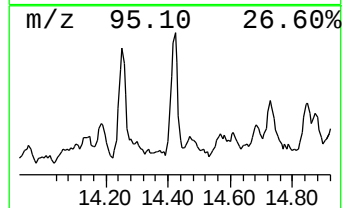
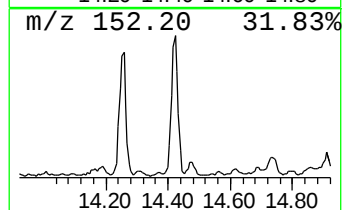
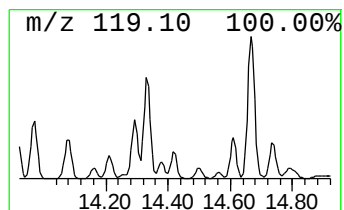
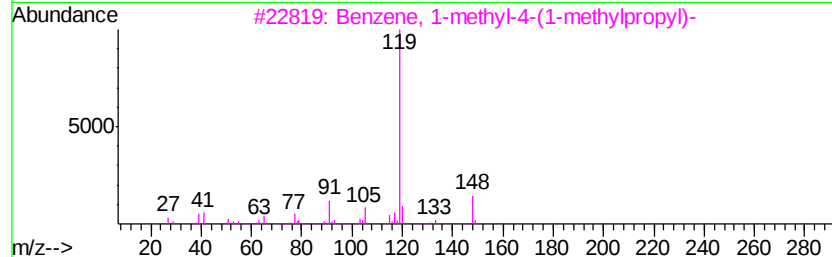
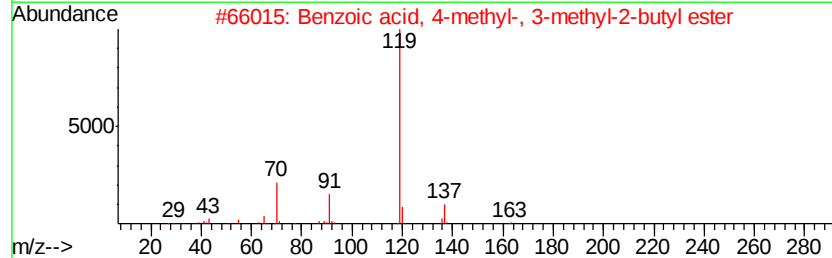
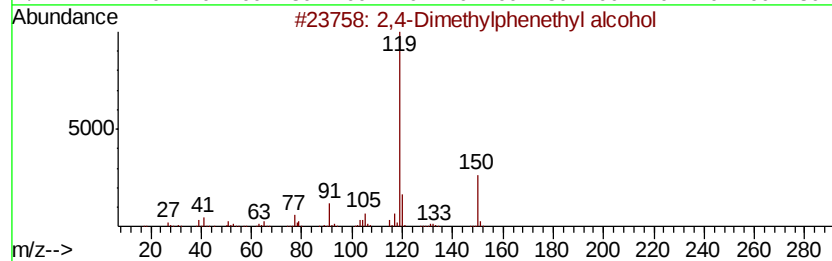
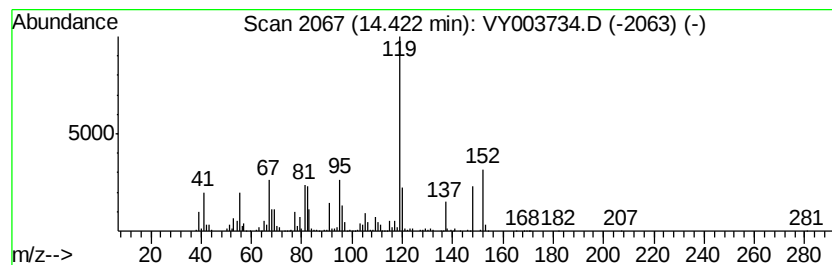
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Quant Title : VOC Analysis

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

Peak Number 28 unknown-01 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.42	37.53 ug/L	459400	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,4-Dimethylphenethyl alcohol	150	C10H14O	006597-59-7	27
2		Benzoic acid, 4-methyl-, 3-methyl...	206	C13H18O2	212261-12-6	27
3		Benzene, 1-methyl-4-(1-methylpropyl)-	148	C11H16	001595-16-0	27
4		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	27
5		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003734.D
Acq On : 11 Dec 2020 17:58
Operator : SY/MD
Sample : L5063-05
Misc : 4.57G/10ML/MSVOA Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD7

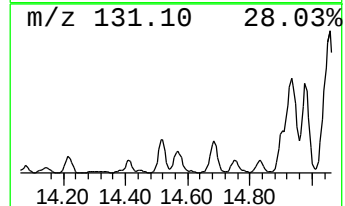
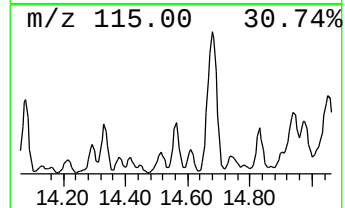
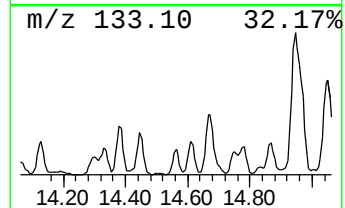
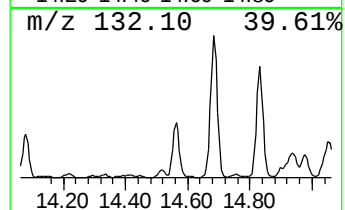
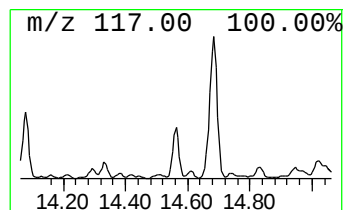
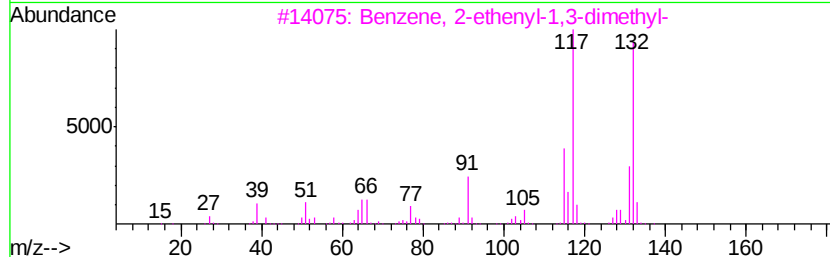
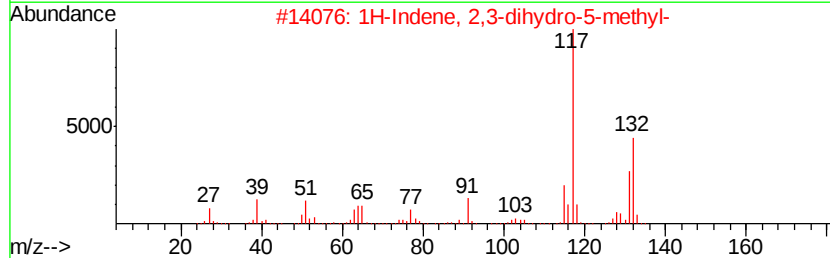
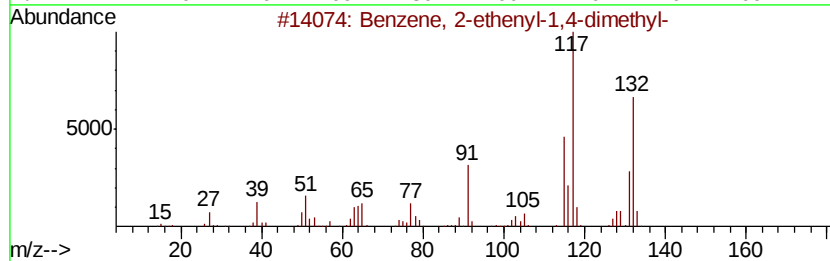
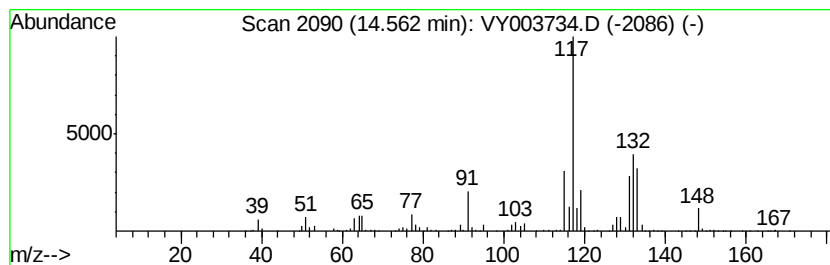
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Quant Title : VOC Analysis

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

Peak Number 29 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.56	26.86 ug/L	328798	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	87
2		1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	76
3		Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	76
4		Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	70
5		Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	70



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003734.D
Acq On : 11 Dec 2020 17:58
Operator : SY/MD
Sample : L5063-05
Misc : 4.57G/10ML/MSVOA Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD7

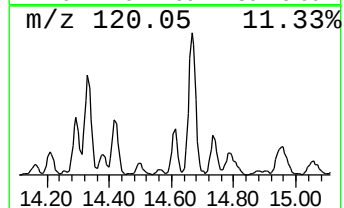
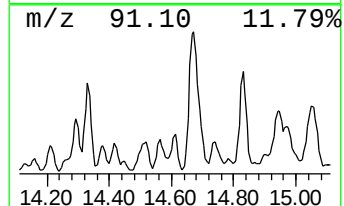
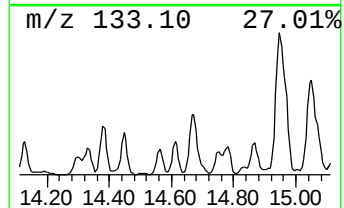
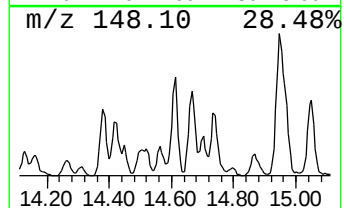
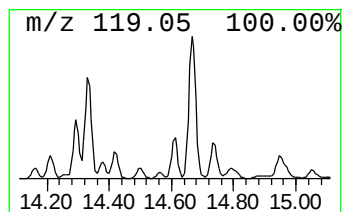
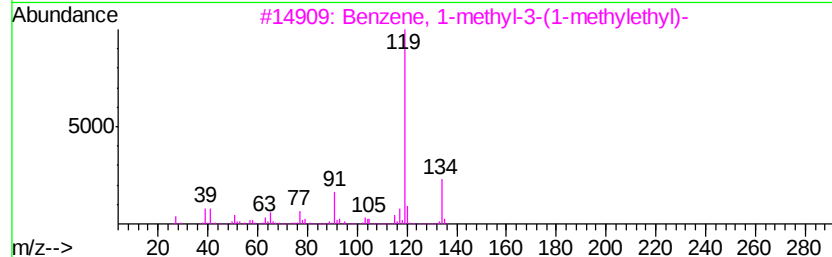
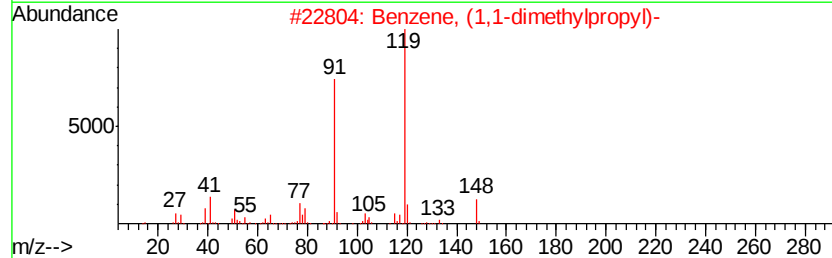
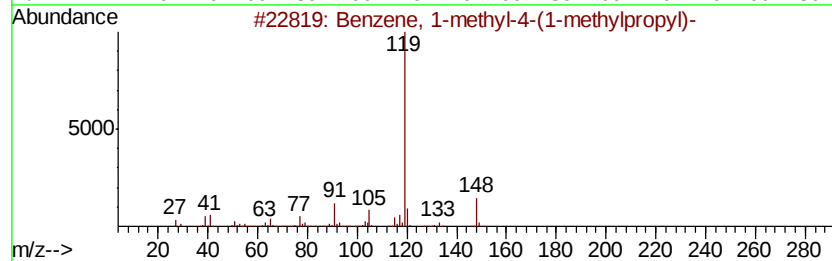
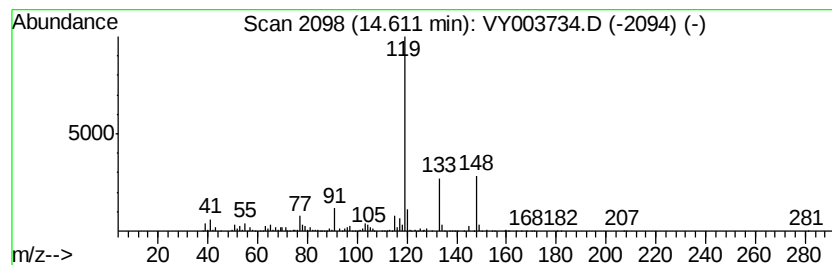
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Quant Title : VOC Analysis

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

Peak Number 30 Benzene, 1-methyl-4-(1-meth... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.61	30.06 ug/L	367999	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-methyl-3-(1-methylleth...	134	C10H14	000535-77-3	70
4		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	64
5		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	62



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003734.D
Acq On : 11 Dec 2020 17:58
Operator : SY/MD
Sample : L5063-05
Misc : 4.57G/10ML/MSVOA Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

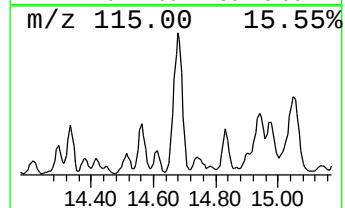
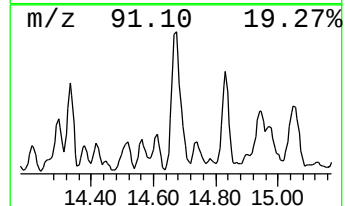
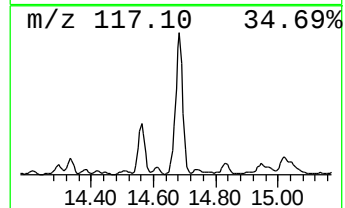
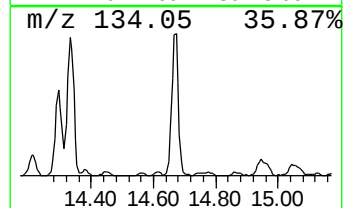
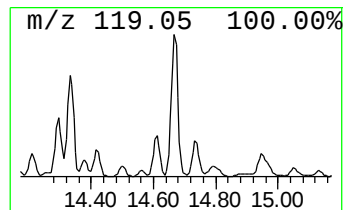
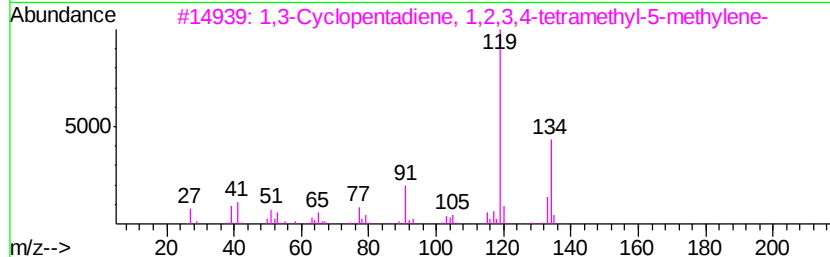
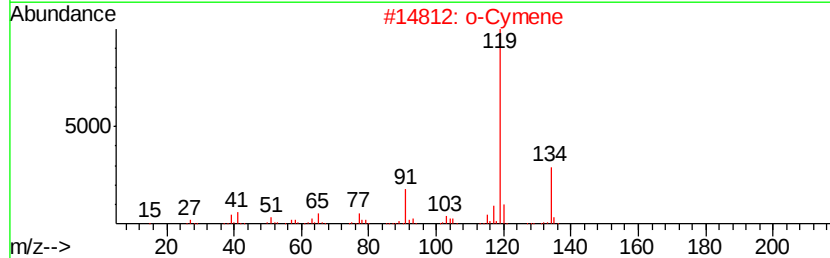
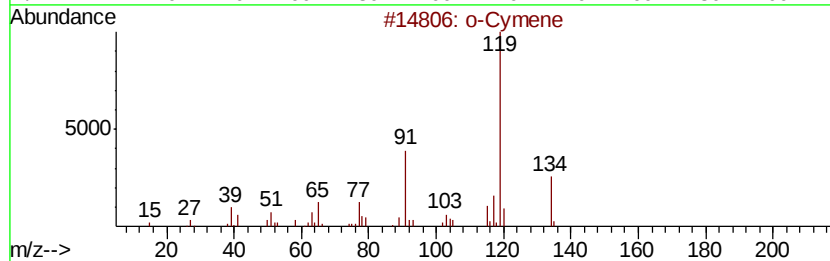
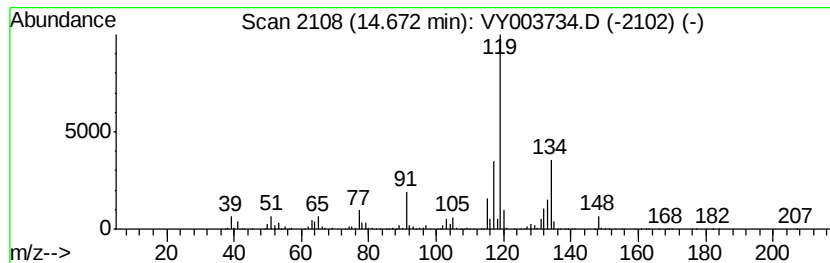
Instrument :
MSVOA_Y
ClientSampleId :
C0AD7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

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

Peak Number 31 o-Cymene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.67	190.24 ug/L	2328650	1,4-Dichlorobenzene-d4	13.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	o-Cymene	134 C10H14	000527-84-4	76
2	o-Cymene	134 C10H14	000527-84-4	76
3	1,3-Cyclopentadiene, 1,2,3,4-tet...	134 C10H14	076089-59-3	76
4	Benzene, 1,2,4,5-tetramethyl-	134 C10H14	000095-93-2	76
5	o-Cymene	134 C10H14	000527-84-4	70



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003734.D
Acq On : 11 Dec 2020 17:58
Operator : SY/MD
Sample : L5063-05
Misc : 4.57G/10ML/MSVOA Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD7

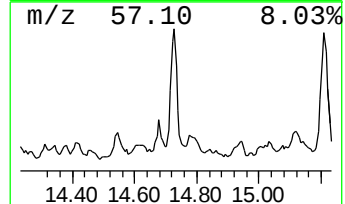
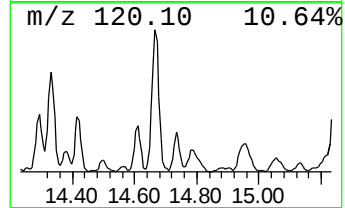
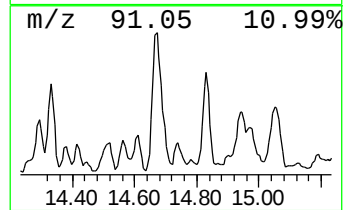
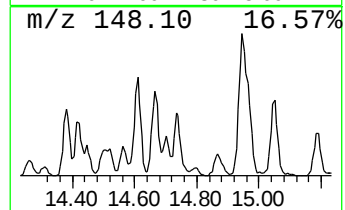
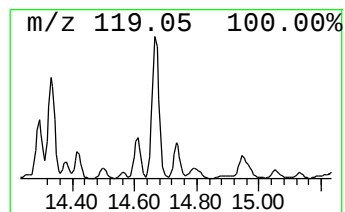
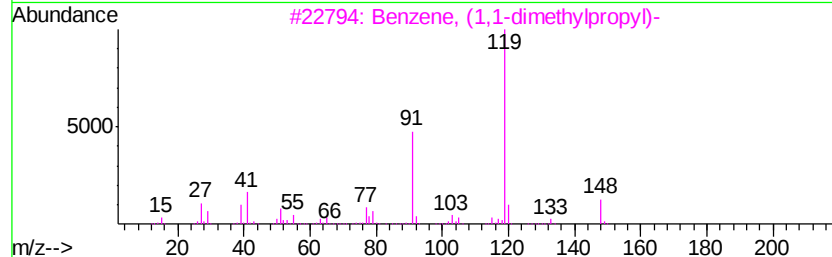
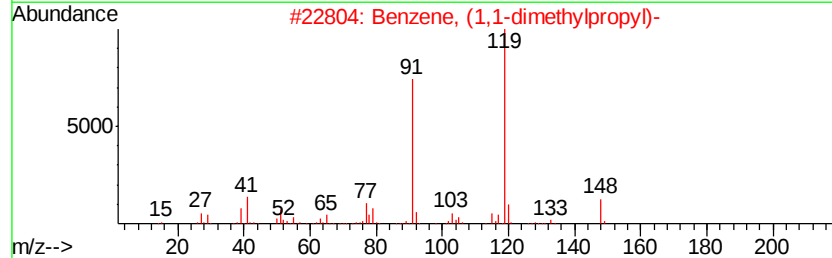
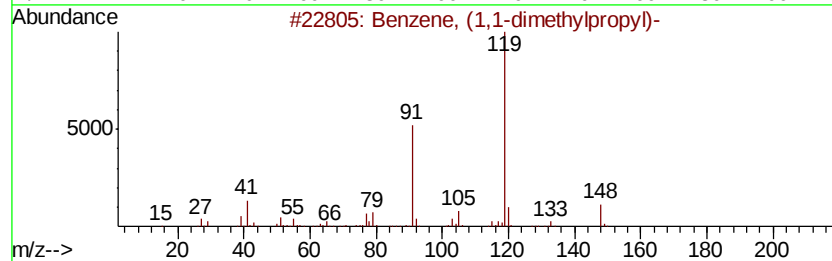
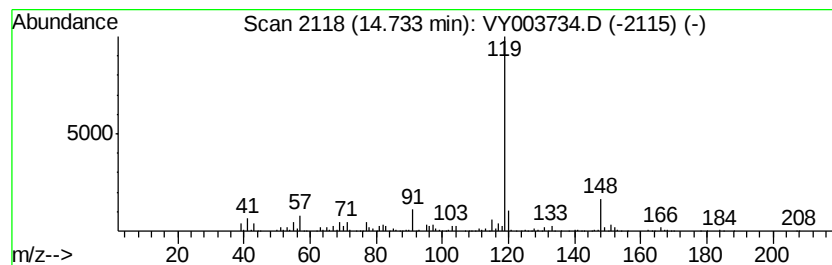
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Quant Title : VOC Analysis

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

Peak Number 32 Benzene, (1,1-dimethylpropyl)- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	32.89 ug/L	402600	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	72
2		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	72
3		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	72
4		2,4,4,6-Tetramethyl-6-phenyl-1-h...	230	C17H26	1000293-27-9	64
5		Benzene, 1,1'-(1,1,2,2-tetrameth...	238	C18H22	001889-67-4	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003734.D
Acq On : 11 Dec 2020 17:58
Operator : SY/MD
Sample : L5063-05
Misc : 4.57G/10ML/MSVOA Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

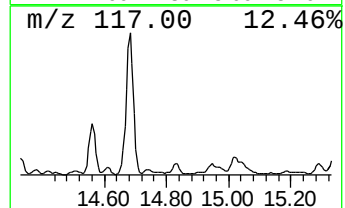
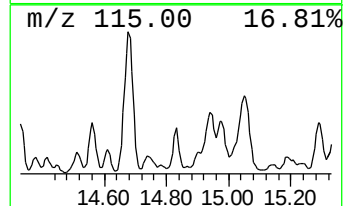
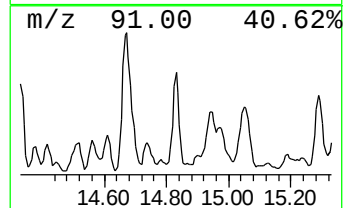
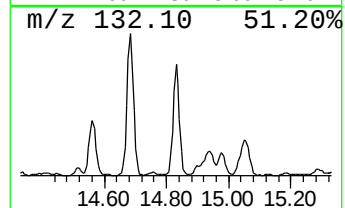
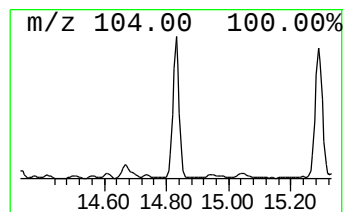
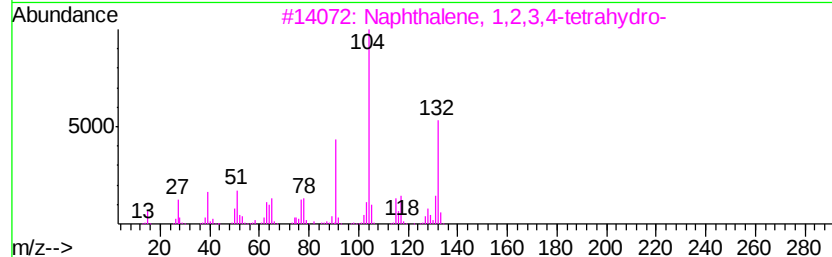
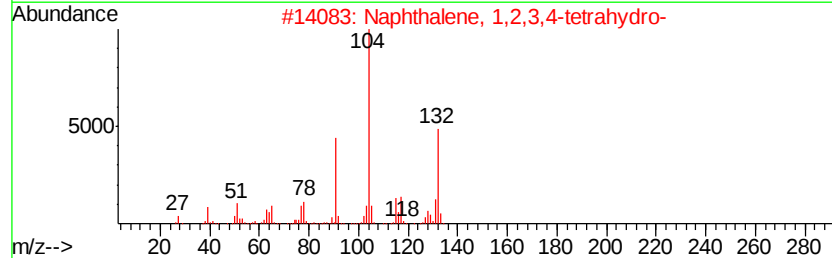
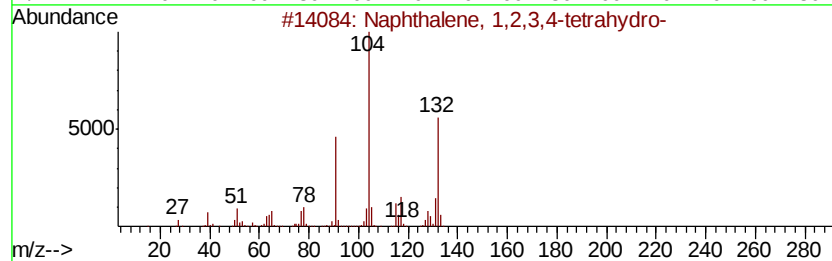
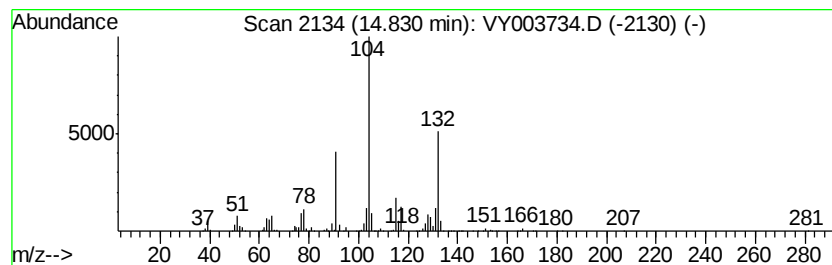
Instrument :
MSVOA_Y
ClientSampleId :
C0AD7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

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

Peak Number 33 Naphthalene, 1,2,3,4-tetrahydro- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.83	33.18 ug/L	406137	1,4-Dichlorobenzene-d4	13.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		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 95
4		Naphthalene, 1,2,3,4-tetrahydro-	132 C10H12	000119-64-2 95
5		2H-Inden-2-one, 1,3-dihydro-	132 C9H8O	000615-13-4 53



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003734.D
Acq On : 11 Dec 2020 17:58
Operator : SY/MD
Sample : L5063-05
Misc : 4.57G/10ML/MSVOA Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD7

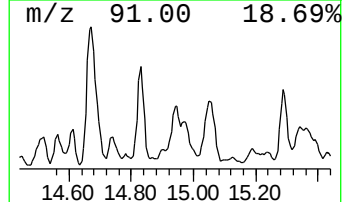
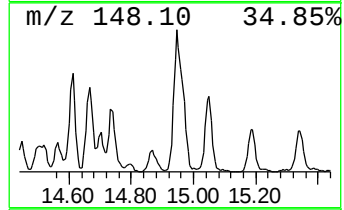
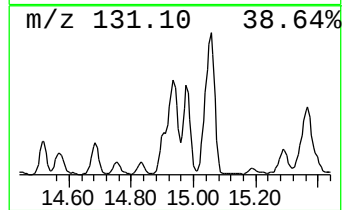
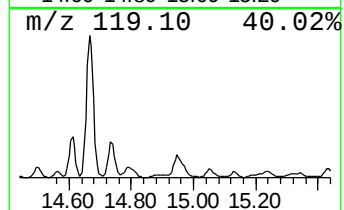
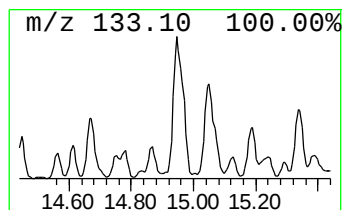
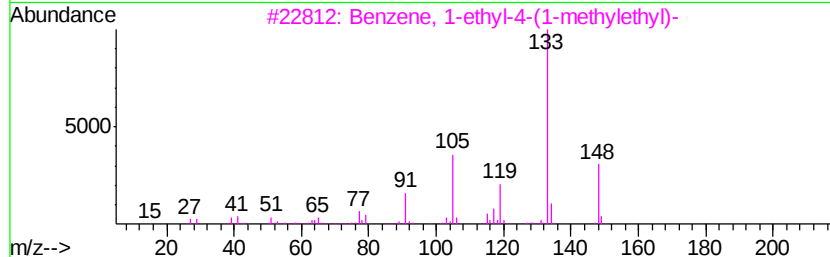
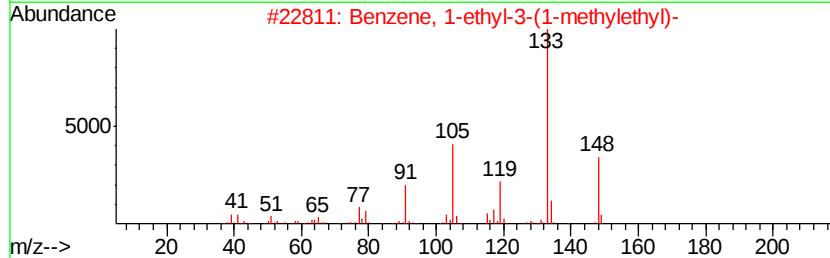
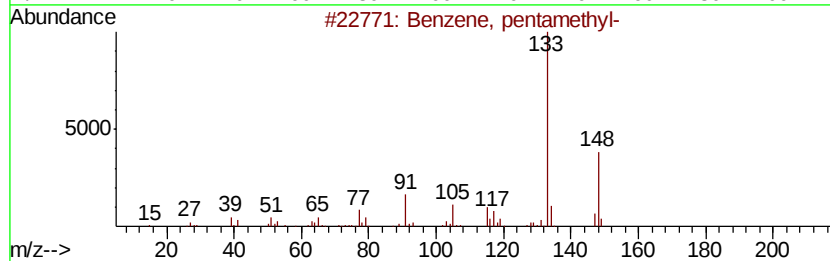
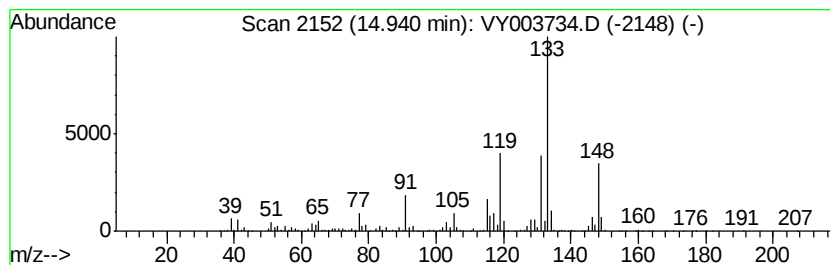
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Quant Title : VOC Analysis

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

Peak Number 34 Benzene, pentamethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.94	54.21 ug/L	663553	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, pentamethyl-	148	C11H16	000700-12-9	60
2		Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	52
3		Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	52
4		Benzene, 1,3-dimethyl-5-(1-methylethyl)-	148	C11H16	004706-90-5	49
5		1,5,6,7-Tetramethylbicyclo[3.2.0]hept-2-ene	148	C11H16	134329-46-7	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003734.D
Acq On : 11 Dec 2020 17:58
Operator : SY/MD
Sample : L5063-05
Misc : 4.57G/10ML/MSVOA Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD7

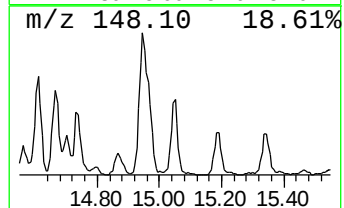
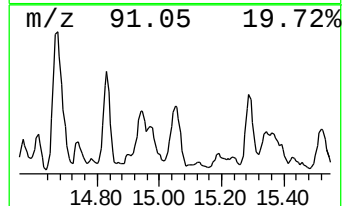
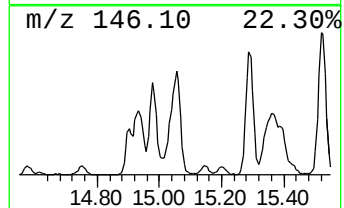
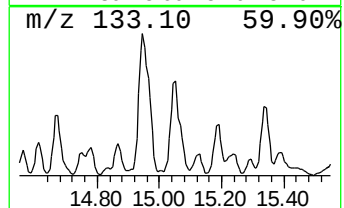
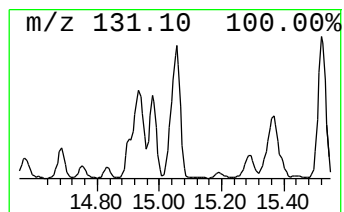
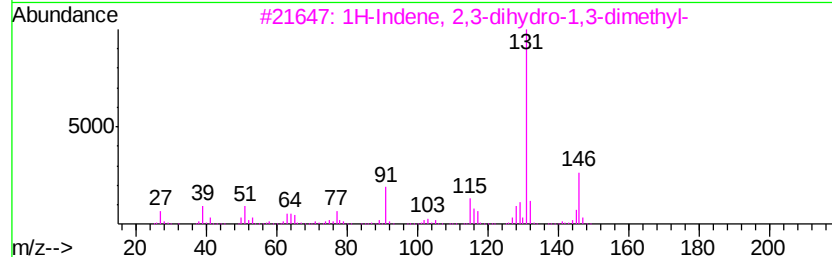
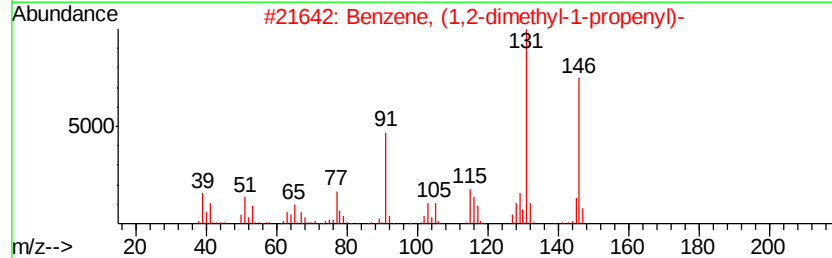
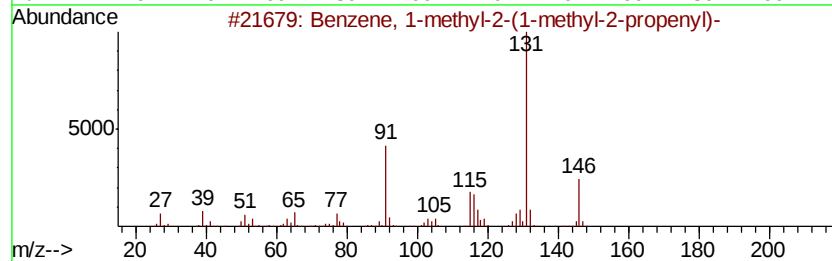
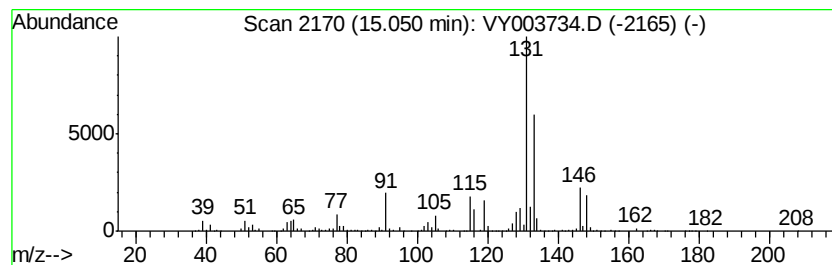
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Quant Title : VOC Analysis

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

Peak Number 35 Benzene, 1-methyl-2-(1-meth... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.05	90.92 ug/L	1112880	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	70
2		Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	64
3		1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	64
4		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	64
5		1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003734.D
Acq On : 11 Dec 2020 17:58
Operator : SY/MD
Sample : L5063-05
Misc : 4.57G/10ML/MSVOA Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD7

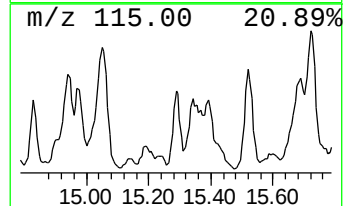
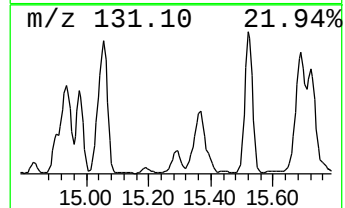
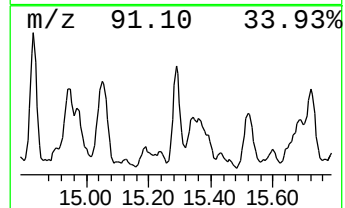
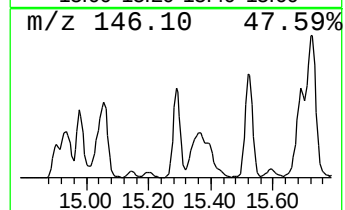
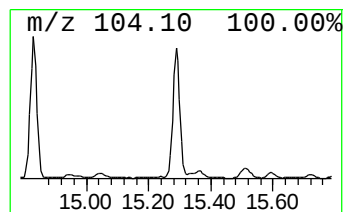
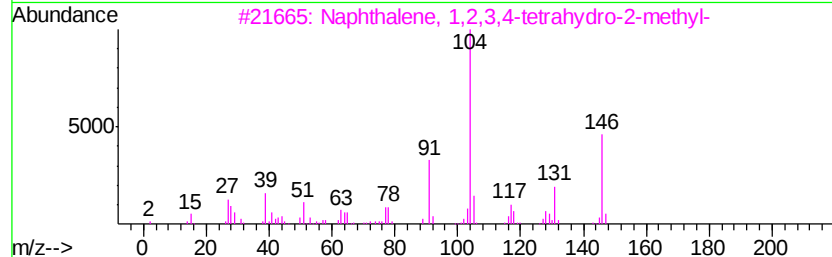
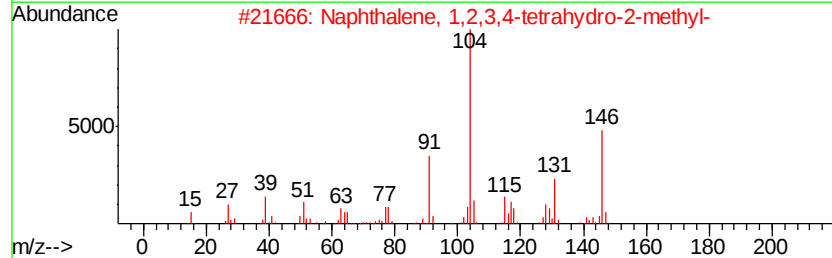
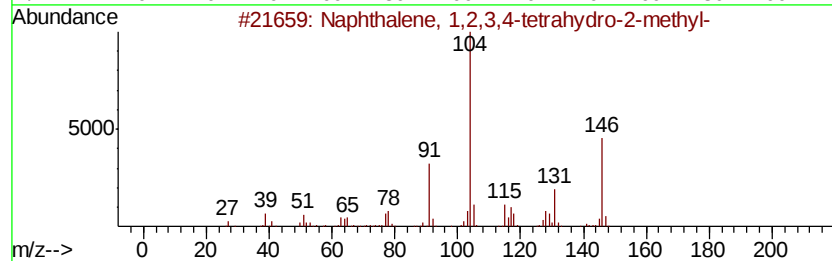
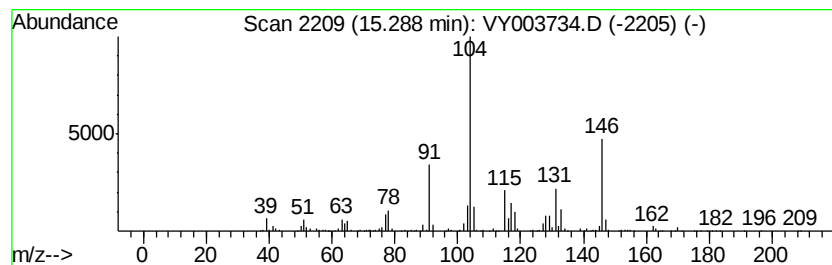
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Quant Title : VOC Analysis

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

Peak Number 37 Naphthalene, 1,2,3,4-tetra... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.29	44.52 ug/L	544999	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	96
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	91
4		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	90
5		2(1H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000530-93-8	68



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003734.D
Acq On : 11 Dec 2020 17:58
Operator : SY/MD
Sample : L5063-05
Misc : 4.57G/10ML/MSVOA Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

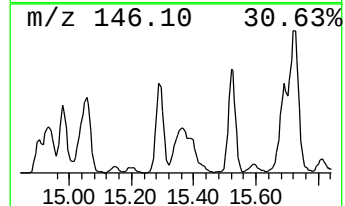
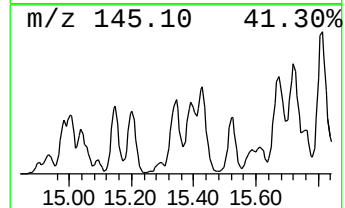
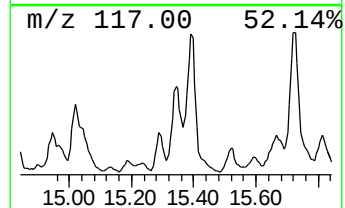
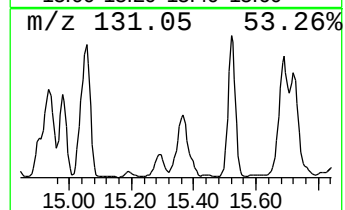
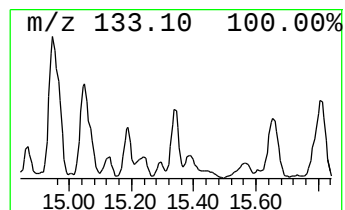
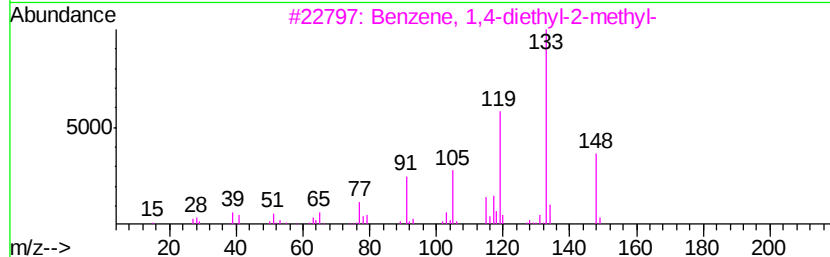
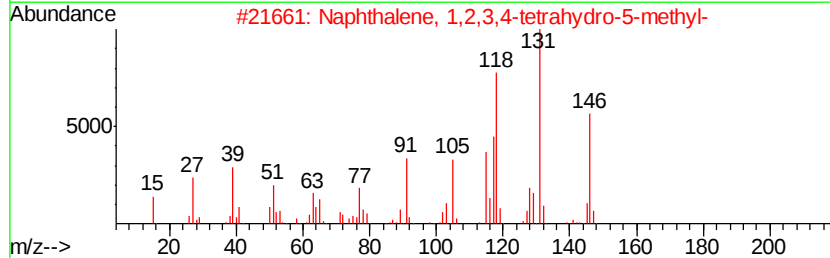
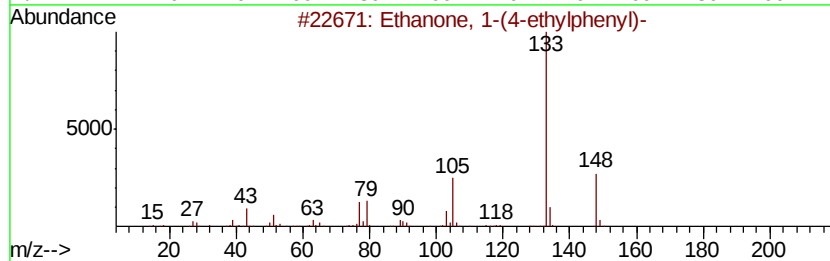
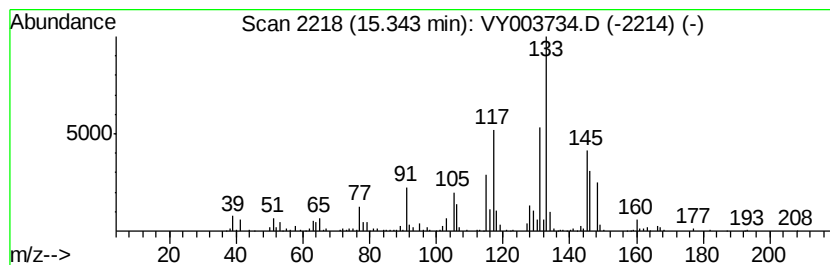
Instrument :
MSVOA_Y
ClientSampleId :
C0AD7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

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

Peak Number 38 unknown-02 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	48.89 ug/L	598466	1,4-Dichlorobenzene-d4	13.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Ethanone, 1-(4-ethylphenyl)-	148 C10H12O	000937-30-4	42
2	Naphthalene, 1,2,3,4-tetrahydro-...	146 C11H14	002809-64-5	38
3	Benzene, 1,4-diethyl-2-methyl-	148 C11H16	013632-94-5	38
4	Benzene, 2-ethenyl-1,3,5-trimethyl-	146 C11H14	000769-25-5	35
5	Benzene, (1-methyl-1-butenyl)-	146 C11H14	053172-84-2	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003734.D
Acq On : 11 Dec 2020 17:58
Operator : SY/MD
Sample : L5063-05
Misc : 4.57G/10ML/MSVOA Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD7

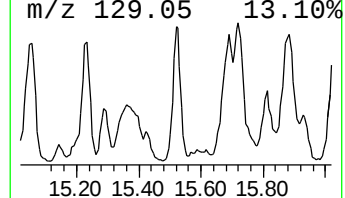
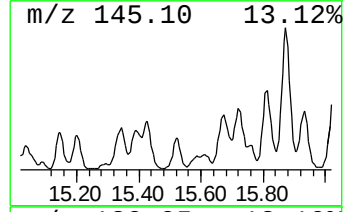
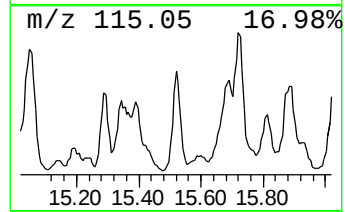
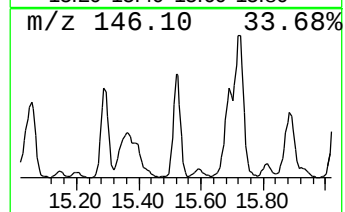
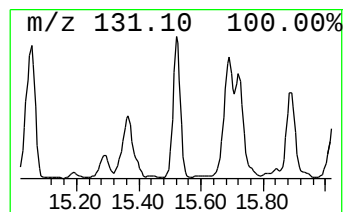
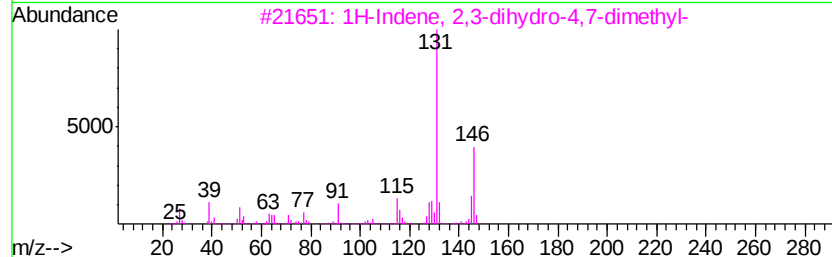
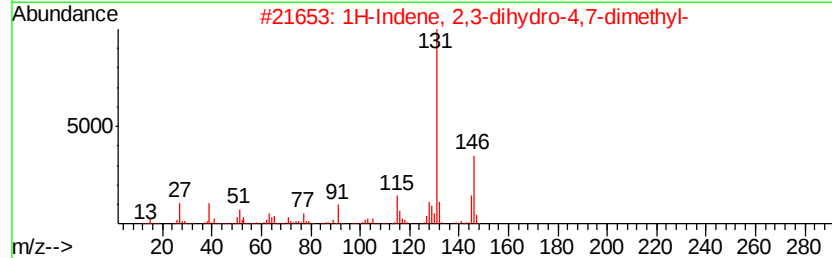
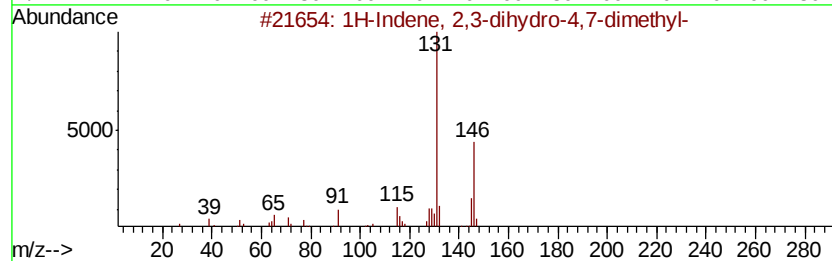
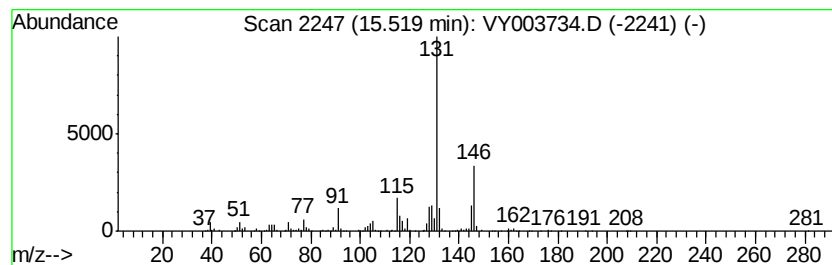
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Quant Title : VOC Analysis

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.
15.52	78.32 ug/L	958645	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	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		Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	91
5		1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003734.D
Acq On : 11 Dec 2020 17:58
Operator : SY/MD
Sample : L5063-05
Misc : 4.57G/10ML/MSVOA Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

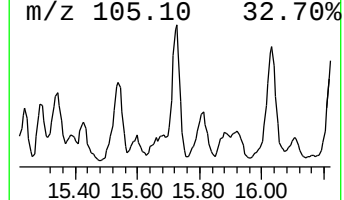
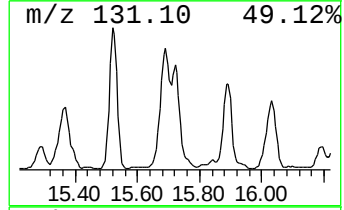
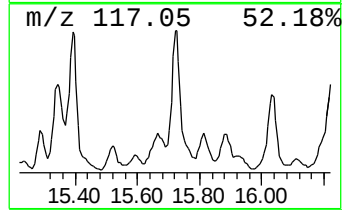
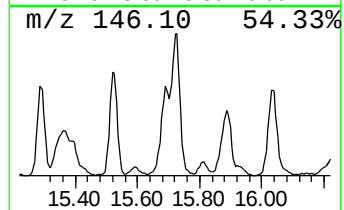
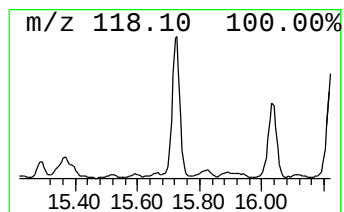
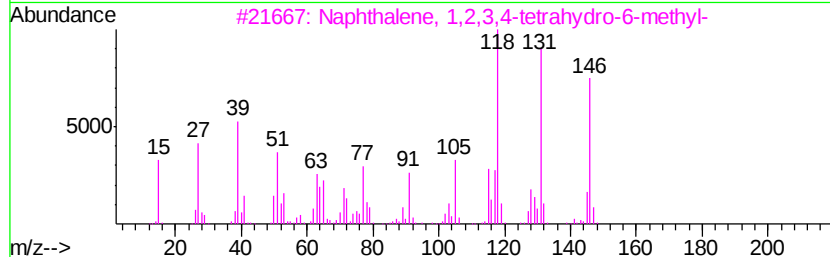
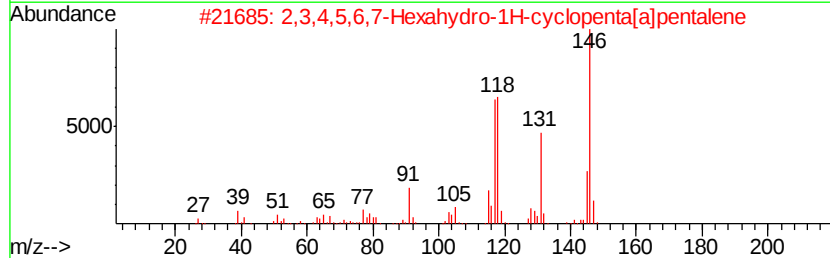
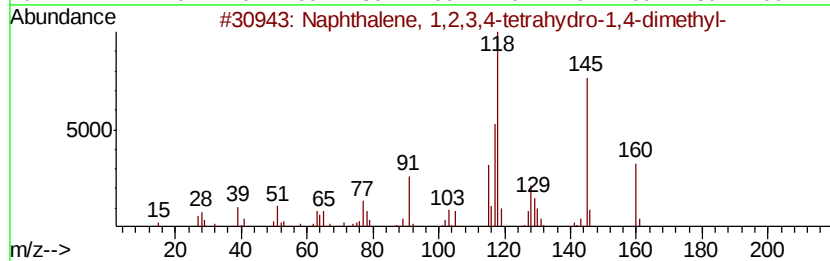
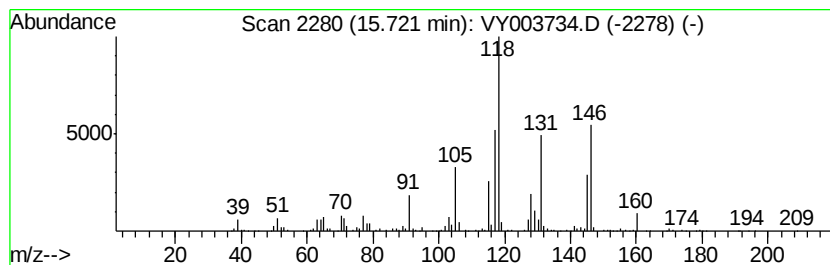
Instrument :
MSVOA_Y
ClientSampleId :
C0AD7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.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 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	68.20 ug/L	834796	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 64
2		2,3,4,5,6,7-Hexahydro-1H-cyclope...	146 C11H14	1000189-31-0 53
3		Naphthalene, 1,2,3,4-tetrahydro-...	146 C11H14	001680-51-9 53
4		Phenethyl alcohol, 2-(1-hydroxyve...	180 C11H16O2	030314-65-9 38
5		Benzene, (1-ethyl-1-propenyl)-	146 C11H14	004701-36-4 35



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003734.D
Acq On : 11 Dec 2020 17:58
Operator : SY/MD
Sample : L5063-05
Misc : 4.57G/10ML/MSVOA Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD7

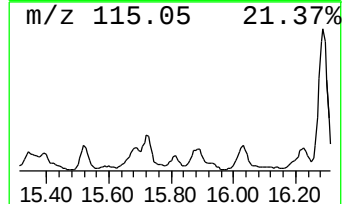
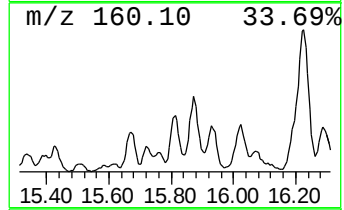
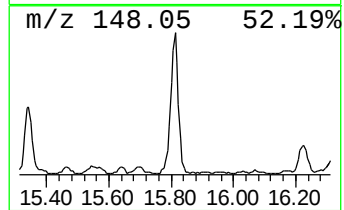
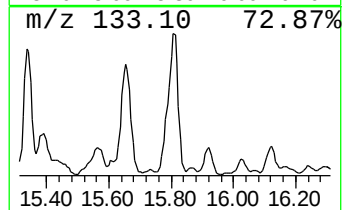
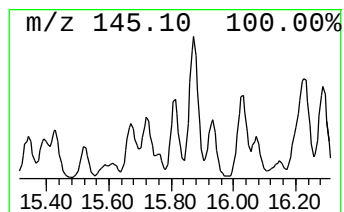
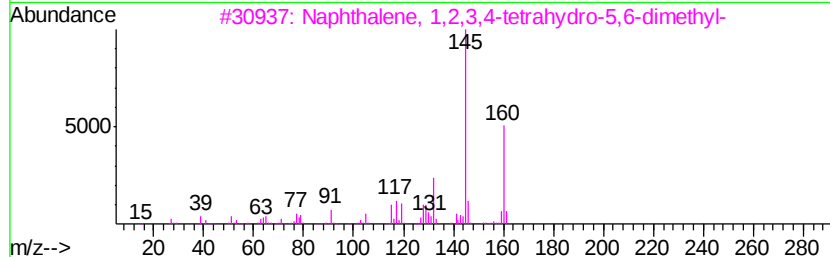
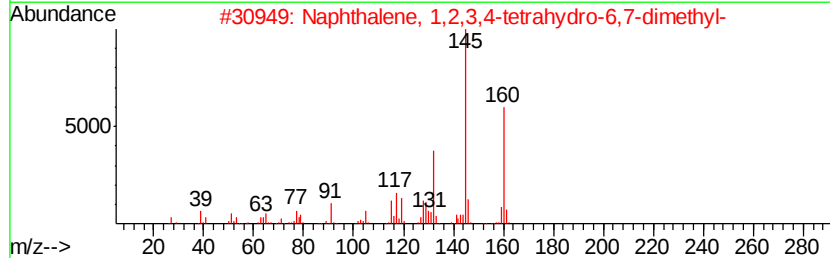
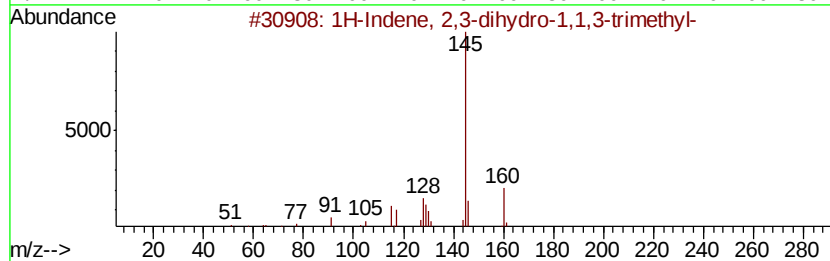
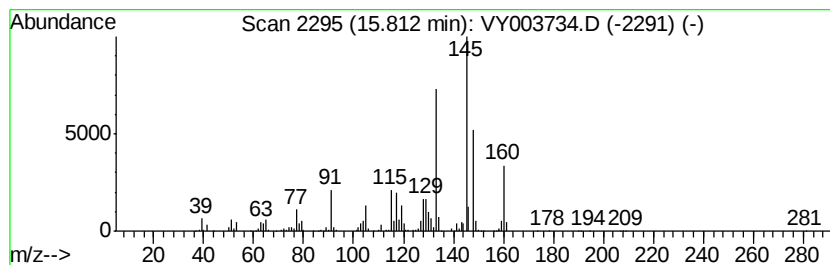
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Quant Title : VOC Analysis

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

Peak Number 41 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.81	38.04 ug/L	465631	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	95
2		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	87
3		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	020027-77-4	87
4		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	87
5		Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	78



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003734.D
Acq On : 11 Dec 2020 17:58
Operator : SY/MD
Sample : L5063-05
Misc : 4.57G/10ML/MSVOA Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD7

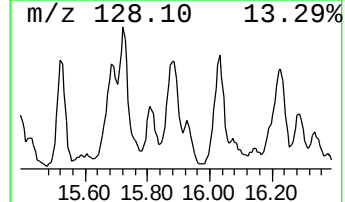
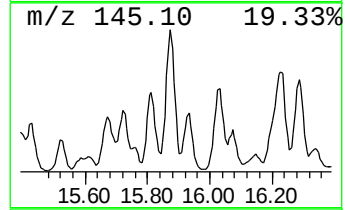
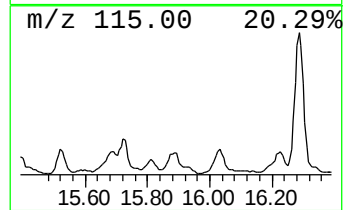
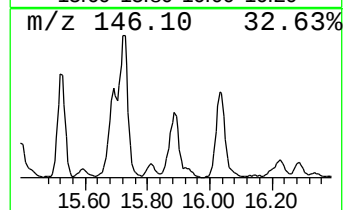
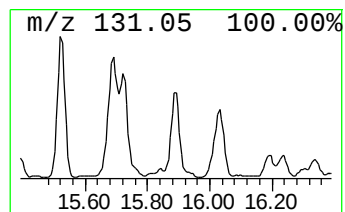
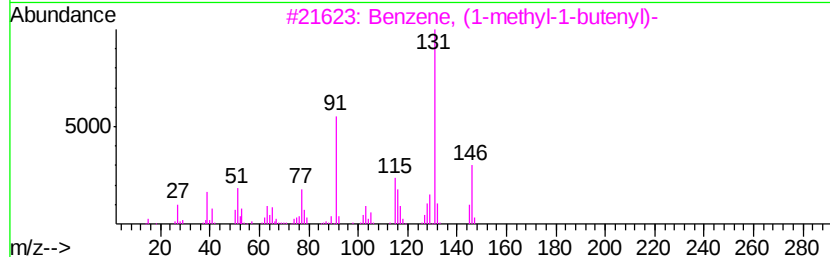
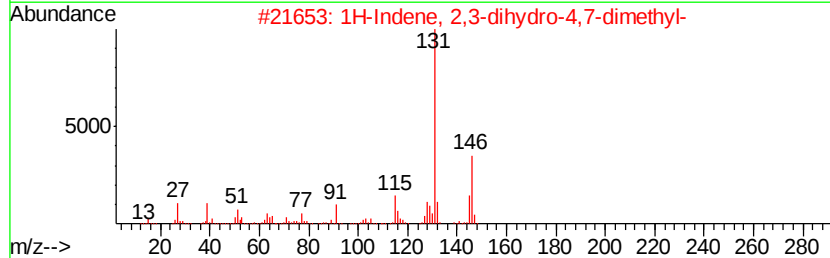
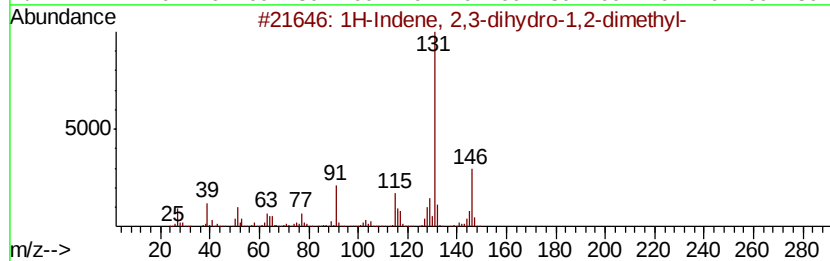
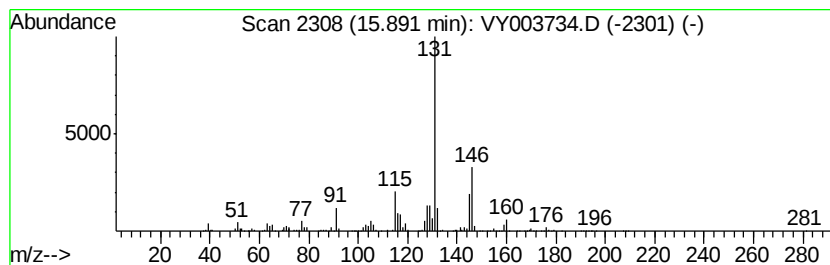
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Quant Title : VOC Analysis

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	59.96 ug/L	733929	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	76
2		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	76
3		Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	70
4		1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	70
5		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	70



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003734.D
Acq On : 11 Dec 2020 17:58
Operator : SY/MD
Sample : L5063-05
Misc : 4.57G/10ML/MSVOA Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

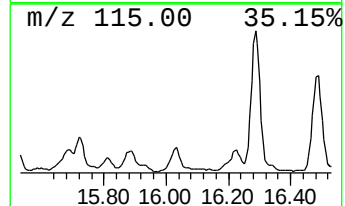
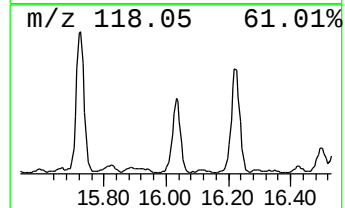
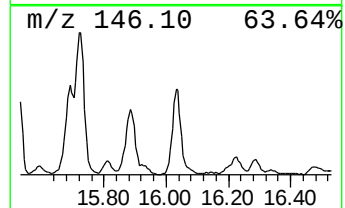
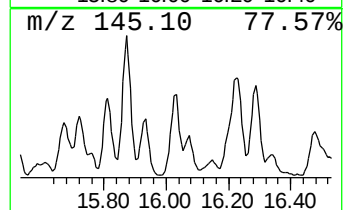
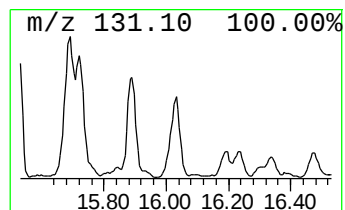
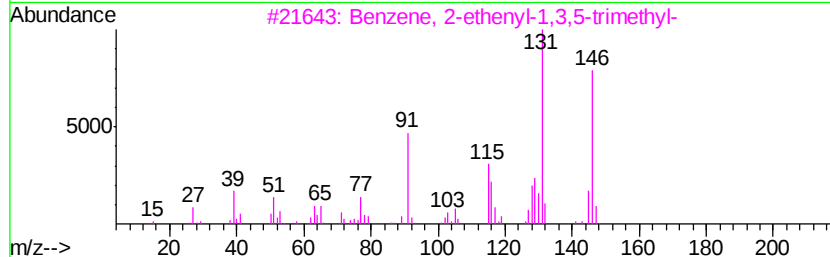
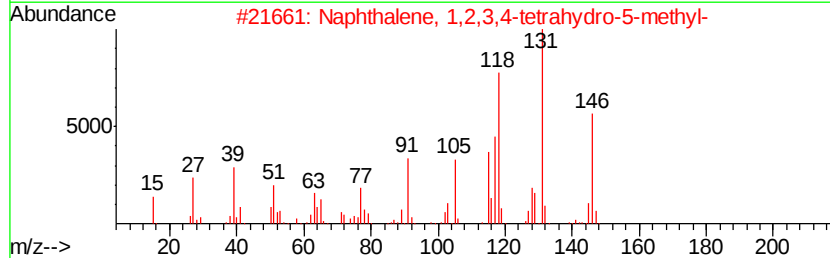
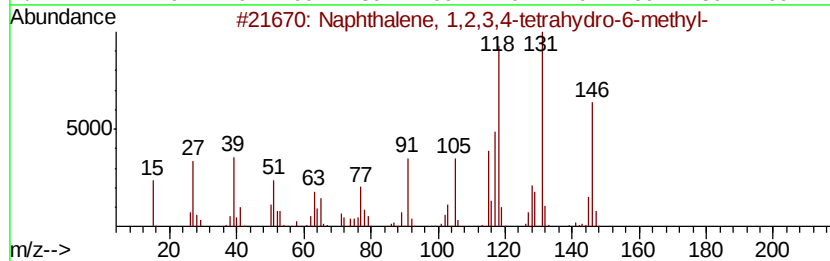
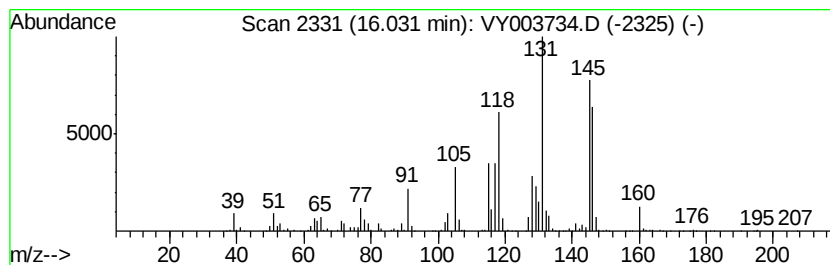
Instrument :
MSVOA_Y
ClientSampleId :
C0AD7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

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

Peak Number 43 Naphthalene, 1,2,3,4-tetra... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.03	66.07 ug/L	808775	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 90
2		Naphthalene, 1,2,3,4-tetrahydro-...	146 C11H14	002809-64-5 83
3		Benzene, 2-ethenyl-1,3,5-trimethyl-	146 C11H14	000769-25-5 70
4		Naphthalene, 1,2,3,4-tetrahydro-...	146 C11H14	002809-64-5 64
5		Naphthalene, 1,2,3,4-tetrahydro-...	146 C11H14	001680-51-9 64



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003734.D
Acq On : 11 Dec 2020 17:58
Operator : SY/MD
Sample : L5063-05
Misc : 4.57G/10ML/MSVOA Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

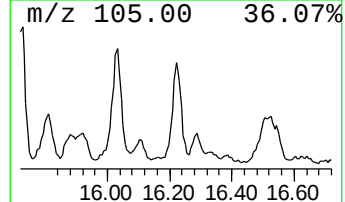
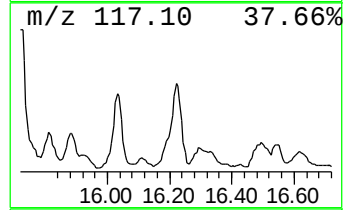
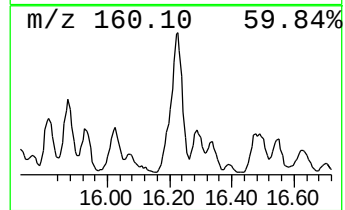
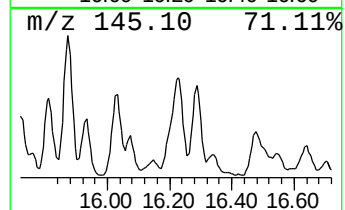
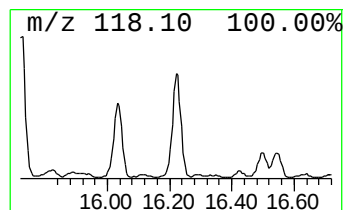
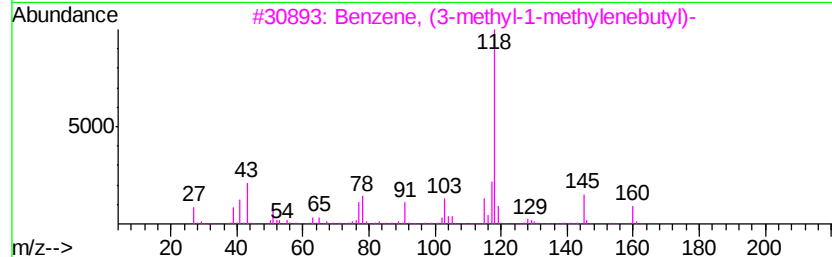
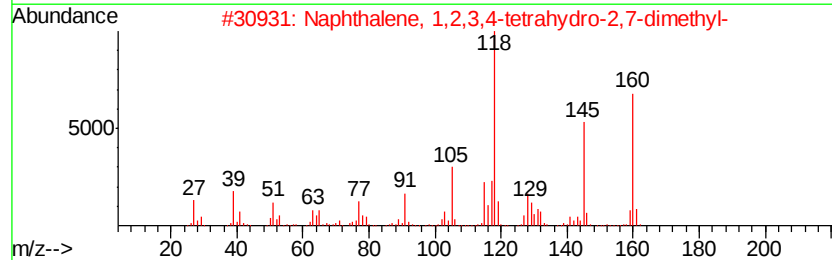
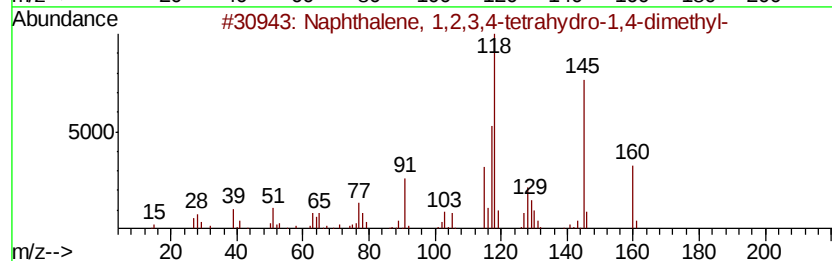
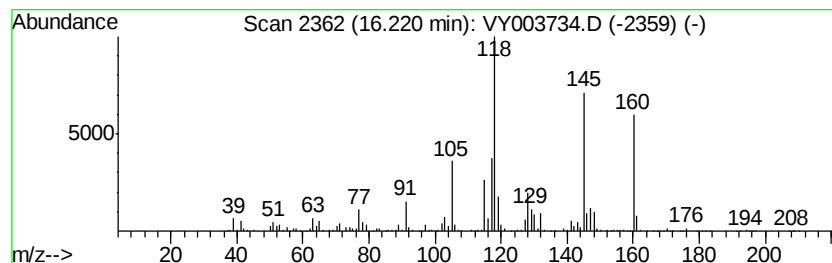
Instrument :
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ClientSampleId :
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

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

Peak Number 44 Benzene, (3-methyl-1-methyl... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.22	41.35 ug/L	506081	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 90
2		Naphthalene, 1,2,3,4-tetrahydro-...	160 C12H16	013065-07-1 87
3		Benzene, (3-methyl-1-methylenebu...	160 C12H16	038212-14-5 58
4		1(2H)-Naphthalenone, 3,4-dihydro...	160 C11H12O	014944-23-1 58
5		Naphthalene, 1,2,3,4-tetrahydro-...	160 C12H16	007524-63-2 58



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003734.D
Acq On : 11 Dec 2020 17:58
Operator : SY/MD
Sample : L5063-05
Misc : 4.57G/10ML/MSVOA Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

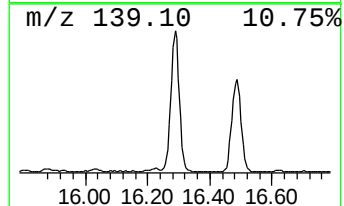
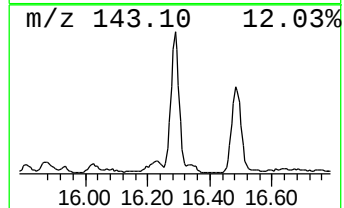
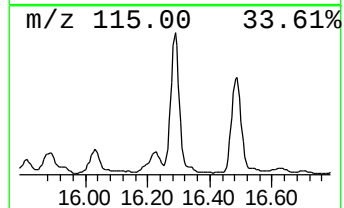
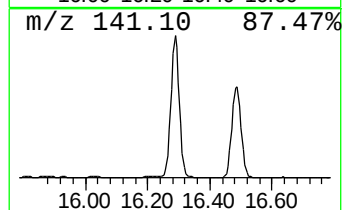
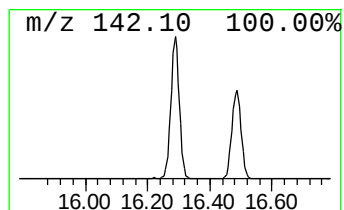
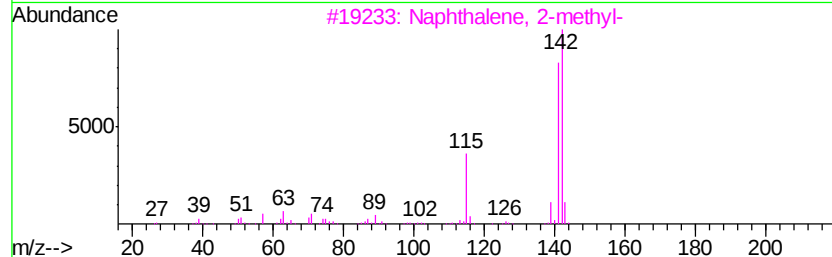
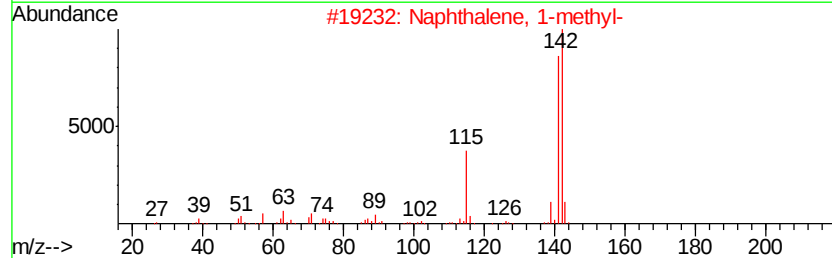
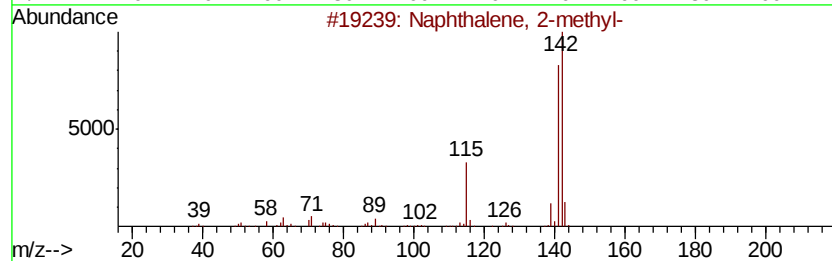
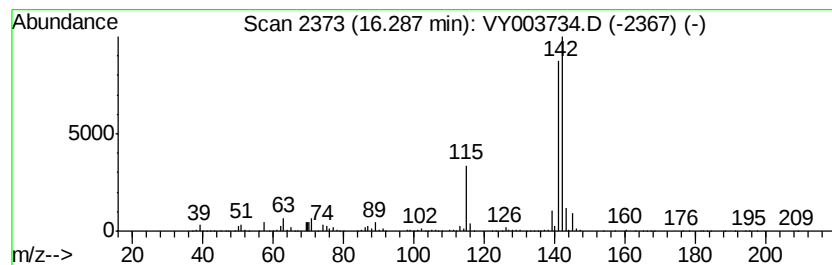
Instrument :
MSVOA_Y
ClientSampleId :
C0AD7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.29	199.08 ug/L	2436780	1,4-Dichlorobenzene-d4	13.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	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	Naphthalene, 1-methyl-	142 C11H10	000090-12-0	94
5	Naphthalene, 2-methyl-	142 C11H10	000091-57-6	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003734.D
Acq On : 11 Dec 2020 17:58
Operator : SY/MD
Sample : L5063-05
Misc : 4.57G/10ML/MSVOA Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD7

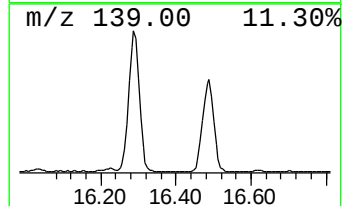
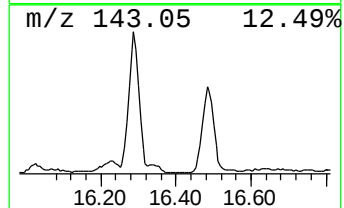
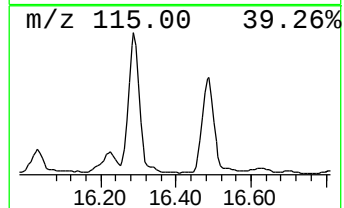
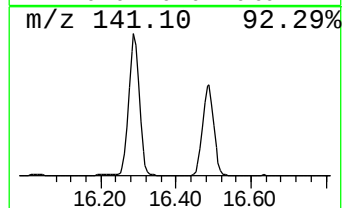
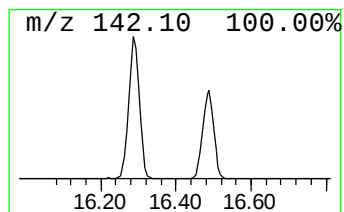
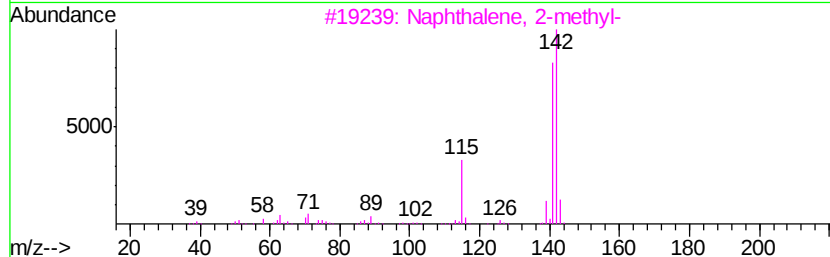
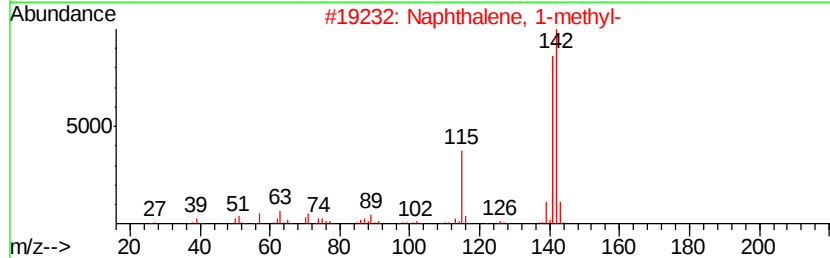
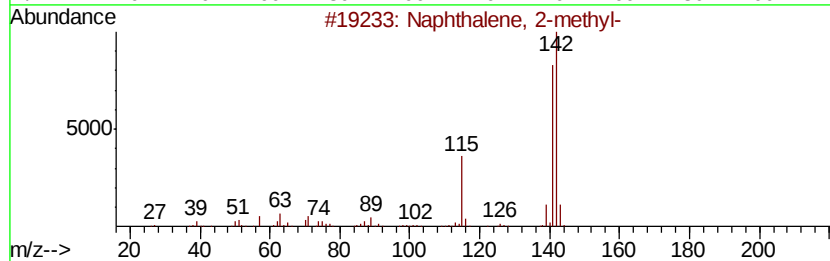
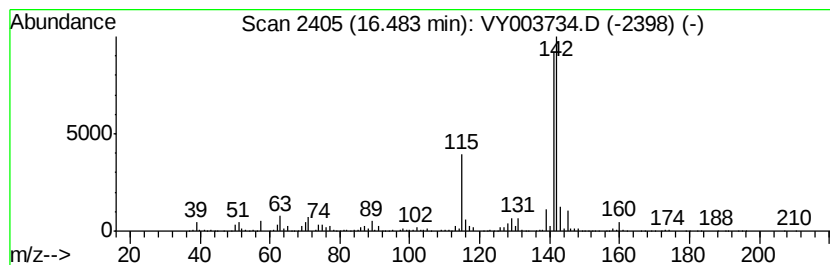
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Quant Title : VOC Analysis

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

Peak Number 46 1,4-Methanonaphthalene, 1,4... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.48	188.02 ug/L	2301460	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		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91
5		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121120\
 Data File : VY003734.D
 Acq On : 11 Dec 2020 17:58
 Operator : SY/MD
 Sample : L5063-05
 Misc : 4.57G/10ML/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 C0AD7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.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
Benzene, 4-ethyl-...	13.66	25.6	ug/L	313356	3	13.42	306009	25.0
Benzene, 1-methyl...	13.82	13.4	ug/L	164655	3	13.42	306009	25.0
Benzene, 2-ethyl-...	13.88	32.3	ug/L	395760	3	13.42	306009	25.0
p-Cymene	13.91	31.6	ug/L	386606	3	13.42	306009	25.0
Benzene, 2-ethyl-...	13.97	43.5	ug/L	533120	3	13.42	306009	25.0
1-Phenyl-1-butene	14.08	56.3	ug/L	689518	3	13.42	306009	25.0
Benzene, 2,4-dime...	14.13	12.8	ug/L	157037	3	13.42	306009	25.0
Benzene, 1-ethyl-...	14.21	18.9	ug/L	231740	3	13.42	306009	25.0
Furan, 2-hexyl-	14.26	21.4	ug/L	261395	3	13.42	306009	25.0
Benzene, 1,2,4,5-...	14.29	43.4	ug/L	530803	3	13.42	306009	25.0
Benzene, 1-ethyl-...	14.33	69.8	ug/L	854493	3	13.42	306009	25.0
Benzene, 1,3-diet...	14.38	17.2	ug/L	209987	3	13.42	306009	25.0
unknown-01	14.42	37.5	ug/L	459400	3	13.42	306009	25.0
Benzene, 2-etheny...	14.56	26.9	ug/L	328798	3	13.42	306009	25.0
Benzene, 1-methyl...	14.61	30.1	ug/L	367999	3	13.42	306009	25.0
o-Cymene	14.67	190.2	ug/L	2328650	3	13.42	306009	25.0
Benzene, (1,1-dim...	14.73	32.9	ug/L	402600	3	13.42	306009	25.0
Naphthalene, 1,2,...	14.83	33.2	ug/L	406137	3	13.42	306009	25.0
Benzene, pentamet...	14.94	54.2	ug/L	663553	3	13.42	306009	25.0
Benzene, 1-methyl...	15.05	90.9	ug/L	1112880	3	13.42	306009	25.0
Naphthalene, 1,2,...	15.29	44.5	ug/L	544999	3	13.42	306009	25.0
unknown-02	15.34	48.9	ug/L	598466	3	13.42	306009	25.0
1H-Indene, 2,3-di...	15.52	78.3	ug/L	958645	3	13.42	306009	25.0
Naphthalene, 1,2,...	15.72	68.2	ug/L	834796	3	13.42	306009	25.0
1H-Indene, 2,3-di...	15.81	38.0	ug/L	465631	3	13.42	306009	25.0
1H-Indene, 2,3-di...	15.89	60.0	ug/L	733929	3	13.42	306009	25.0
Naphthalene, 1,2,...	16.03	66.1	ug/L	808775	3	13.42	306009	25.0
Benzene, (3-methy...	16.22	41.4	ug/L	506081	3	13.42	306009	25.0
Naphthalene, 1-me...	16.29	199.1	ug/L	2436780	3	13.42	306009	25.0
1,4-Methanonaphth...	16.48	188.0	ug/L	2301460	3	13.42	306009	25.0