

Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
 Data File : VY003740.D
 Acq On : 11 Dec 2020 20:14
 Operator : SY/MD
 Sample : L5063-08
 Misc : 4.71G/10ML/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 C0AE0

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	2.052	36	38	45	rVB4	1241	2101	0.18%	0.013%
2	2.119	47	49	51	rVV3	816	610	0.05%	0.004%
3	2.205	61	63	64	rBV2	761	444	0.04%	0.003%
4	2.247	64	70	80	rBV	77859	124735	10.95%	0.785%
5	2.516	111	114	115	rBV3	1193	1234	0.11%	0.008%
6	2.540	115	118	120	rBV4	2429	3347	0.29%	0.021%
7	2.766	149	155	168	rVB	65731	132776	11.66%	0.836%
8	2.900	175	177	179	rBV3	760	515	0.05%	0.003%
9	2.955	184	186	188	rVB3	729	570	0.05%	0.004%
10	3.125	212	214	218	rBV4	565	750	0.07%	0.005%
11	3.265	233	237	243	rVB4	1140	2081	0.18%	0.013%
12	3.345	246	250	252	rBV3	511	702	0.06%	0.004%
13	3.515	276	278	282	rVB3	440	587	0.05%	0.004%
14	3.601	290	292	295	rVB4	458	433	0.04%	0.003%
15	3.863	323	335	348	rBV	140578	375474	32.97%	2.364%
16	4.076	367	370	372	rBV2	424	433	0.04%	0.003%
17	4.101	372	374	377	rBV2	441	463	0.04%	0.003%
18	4.210	385	392	402	rBV5	1349	4743	0.42%	0.030%
19	4.729	467	477	488	rBV3	10300	32334	2.84%	0.204%
20	4.826	491	493	497	rVB2	799	742	0.07%	0.005%
21	4.942	505	512	513	rBV4	1140	1787	0.16%	0.011%
22	5.759	639	646	654	rVV6	2374	6630	0.58%	0.042%
23	6.899	824	833	842	rBV	46524	133304	11.71%	0.839%
24	6.997	842	849	871	rVB	19177	69116	6.07%	0.435%
25	7.490	920	930	943	rVV	178673	447943	39.34%	2.821%
26	7.783	974	978	979	rBV4	377	443	0.04%	0.003%
27	8.124	1022	1034	1048	rVV2	371470	1138685	100.00%	7.170%
28	8.240	1051	1053	1058	rVB3	782	1181	0.10%	0.007%
29	8.356	1070	1072	1077	rVB2	583	715	0.06%	0.005%
30	8.533	1098	1101	1107	rVB5	635	1331	0.12%	0.008%
31	8.697	1119	1128	1137	rBV	333232	666258	58.51%	4.195%
32	8.758	1137	1138	1141	rVV2	486	435	0.04%	0.003%
33	8.783	1141	1142	1146	rVB	844	530	0.05%	0.003%
34	8.935	1160	1167	1173	rVB2	10431	22038	1.94%	0.139%

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Integration Parameters: LSCINT.P

Integrator: RTE
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 Title : VOC Analysis

35	9.124	1190	1198	1209	rBV	245625	493643	43.35%	3.108%
36	9.203	1209	1211	1216	rVB5	956	1248	0.11%	0.008%
37	9.289	1222	1225	1227	rBV3	423	454	0.04%	0.003%
38	9.466	1250	1254	1257	rVB3	517	490	0.04%	0.003%
39	9.508	1257	1261	1269	rBV4	1935	3785	0.33%	0.024%
40	9.618	1276	1279	1282	rVB3	426	528	0.05%	0.003%
41	9.892	1316	1324	1332	rVV	143856	251710	22.11%	1.585%
42	9.978	1335	1338	1346	rVB4	1501	2603	0.23%	0.016%
43	10.063	1349	1352	1353	rBV2	812	801	0.07%	0.005%
44	10.179	1363	1371	1378	rBV	419953	716010	62.88%	4.509%
45	10.246	1378	1382	1388	rVB2	10883	17939	1.58%	0.113%
46	10.362	1399	1401	1403	rVB2	1013	597	0.05%	0.004%
47	10.441	1407	1414	1420	rBV	96194	160017	14.05%	1.008%
48	10.581	1431	1437	1444	rVB2	26996	49543	4.35%	0.312%
49	10.673	1450	1452	1454	rVB2	763	509	0.04%	0.003%
50	10.715	1456	1459	1463	rVB5	1851	2348	0.21%	0.015%
51	10.789	1464	1471	1480	rBV	188857	298969	26.26%	1.883%
52	10.886	1485	1487	1490	rVB3	742	656	0.06%	0.004%
53	10.953	1490	1498	1506	rBV2	25213	55413	4.87%	0.349%
54	11.087	1516	1520	1526	rVB7	4871	9499	0.83%	0.060%
55	11.148	1526	1530	1533	rBV6	1457	2355	0.21%	0.015%
56	11.191	1533	1537	1542	rVV6	2431	5375	0.47%	0.034%
57	11.252	1543	1547	1549	rVV5	1037	1487	0.13%	0.009%
58	11.319	1550	1558	1564	rVB2	21311	41650	3.66%	0.262%
59	11.490	1578	1586	1597	rBV	362867	586094	51.47%	3.691%
60	11.575	1597	1600	1601	rBV2	1004	1120	0.10%	0.007%
61	11.624	1604	1608	1612	rVB5	7320	11591	1.02%	0.073%
62	11.685	1612	1618	1624	rBV5	8259	20898	1.84%	0.132%
63	11.843	1638	1644	1648	rBV5	7559	14925	1.31%	0.094%
64	11.996	1662	1669	1678	rBV9	13040	41192	3.62%	0.259%
65	12.093	1682	1685	1691	rVB5	5857	11140	0.98%	0.070%
66	12.203	1698	1703	1704	rBV3	14847	20901	1.84%	0.132%
67	12.233	1705	1708	1715	rVV3	24248	40364	3.54%	0.254%
68	12.319	1717	1722	1729	rVV8	9620	24133	2.12%	0.152%
69	12.489	1745	1750	1755	rVB	34625	53560	4.70%	0.337%
70	12.556	1755	1761	1767	rBV	175067	291324	25.58%	1.834%
71	12.642	1770	1775	1781	rVB	73120	125491	11.02%	0.790%

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72	12.727	1783	1789	1794	rBV5	19386	49380	4.34%	0.311%
73	12.813	1797	1803	1815	rVB	101466	214667	18.85%	1.352%
74	12.971	1822	1829	1837	rVB3	43452	119696	10.51%	0.754%
75	13.123	1850	1854	1858	rBV5	22753	42859	3.76%	0.270%
76	13.422	1898	1903	1911	rVB	179025	296229	26.02%	1.865%
77	13.562	1923	1926	1930	rVB3	43104	61130	5.37%	0.385%
78	13.660	1938	1942	1947	rBV	139799	190359	16.72%	1.199%
79	13.721	1948	1952	1962	rVB4	186915	472226	41.47%	2.974%
80	13.818	1965	1968	1972	rVB	61316	80437	7.06%	0.506%
81	13.879	1975	1978	1981	rBV	93139	130659	11.47%	0.823%
82	13.971	1989	1993	1999	rVB	126035	200487	17.61%	1.262%
83	14.081	2006	2011	2015	rVB2	163826	247584	21.74%	1.559%
84	14.129	2015	2019	2027	rVB6	70241	178468	15.67%	1.124%
85	14.209	2028	2032	2035	rBV3	68426	102942	9.04%	0.648%
86	14.251	2035	2039	2043	rBV3	126459	186311	16.36%	1.173%
87	14.294	2043	2046	2048	rVV	89066	112681	9.90%	0.710%
88	14.331	2049	2052	2057	rVB	340577	479324	42.09%	3.018%
89	14.379	2057	2060	2063	rBV2	82485	113985	10.01%	0.718%
90	14.416	2063	2066	2070	rBV3	197054	265060	23.28%	1.669%
91	14.611	2095	2098	2102	rVB	149610	196497	17.26%	1.237%
92	14.672	2103	2108	2115	rBV3	517652	1067737	93.77%	6.723%
93	14.733	2115	2118	2124	rVV5	93132	156342	13.73%	0.984%
94	14.946	2148	2153	2155	rBV3	338455	575701	50.56%	3.625%
95	15.050	2165	2170	2178	rVB2	457556	950989	83.52%	5.988%
96	15.288	2206	2209	2213	rBV	138300	212943	18.70%	1.341%
97	15.525	2243	2248	2254	rBV	288515	526758	46.26%	3.317%
98	15.879	2301	2306	2312	rBV3	274559	618672	54.33%	3.896%
99	16.288	2369	2373	2378	rVB	283714	464098	40.76%	2.922%
100	16.483	2399	2405	2419	rVB4	376096	1031082	90.55%	6.492%

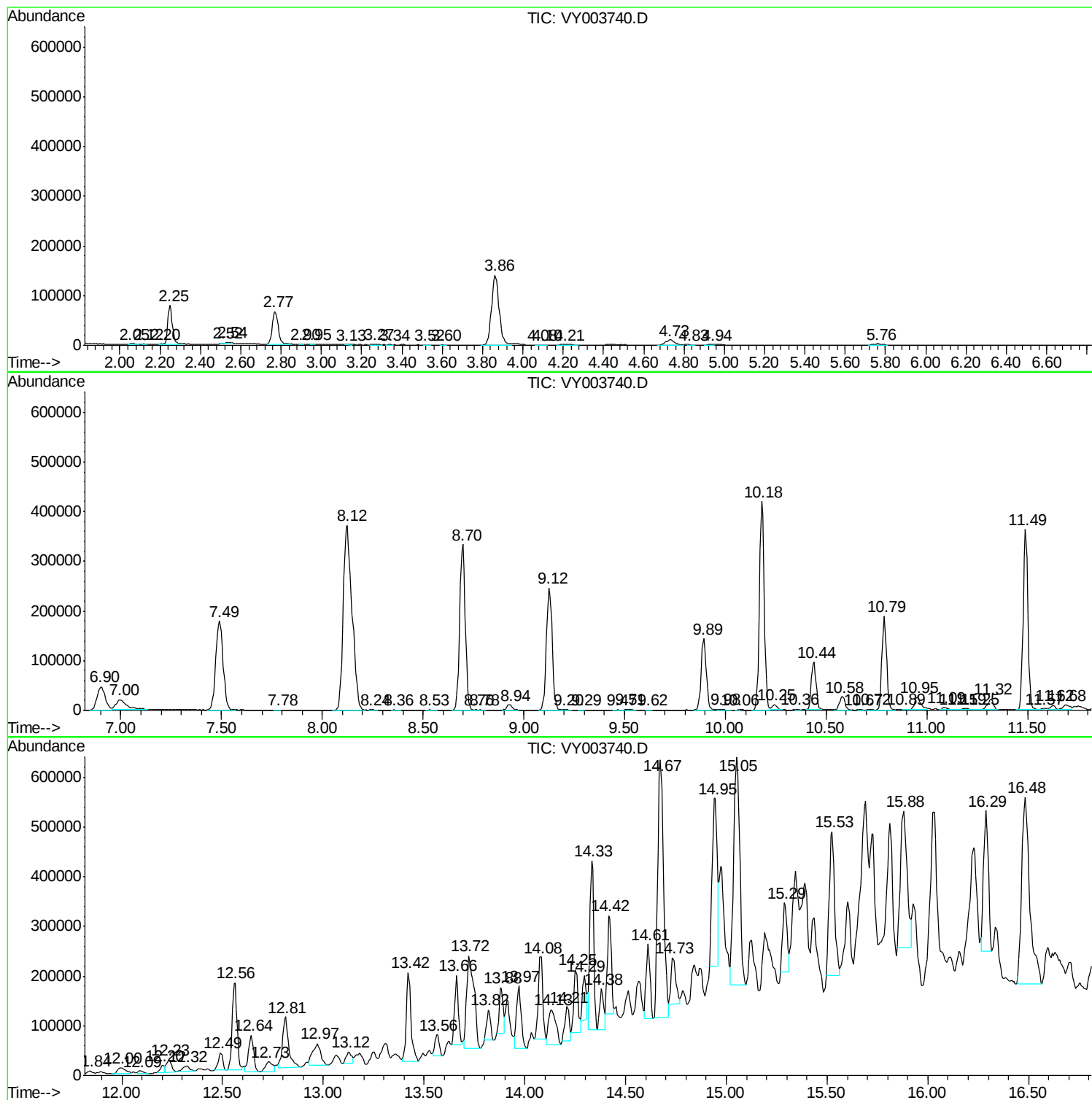
Sum of corrected areas: 15881135

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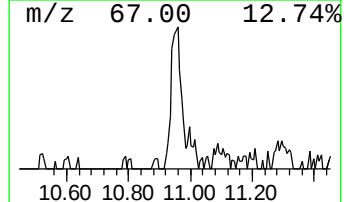
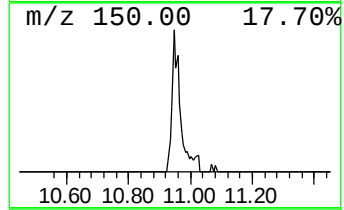
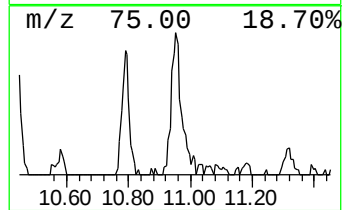
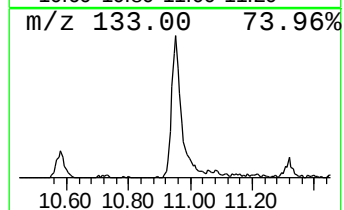
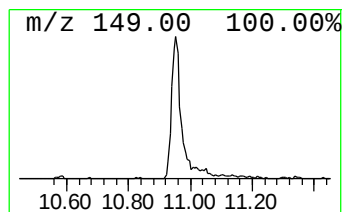
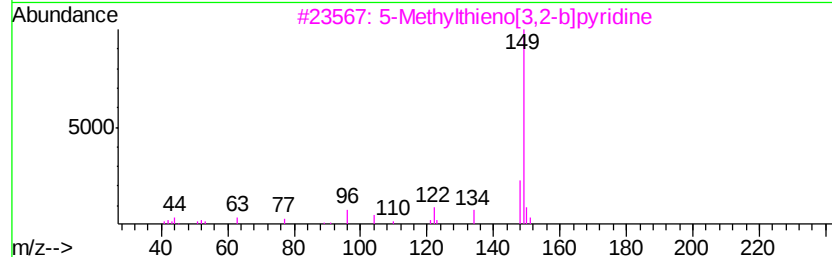
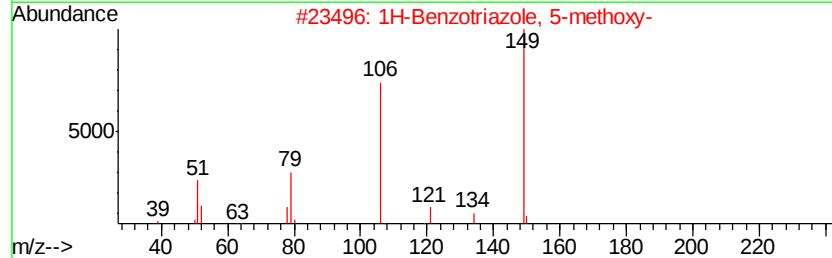
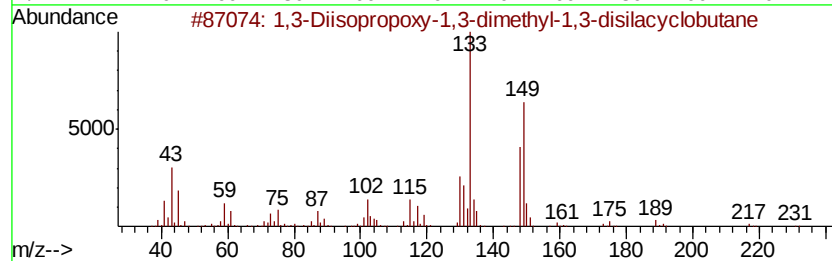
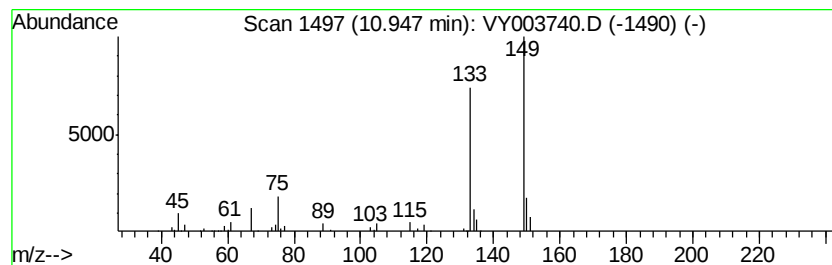
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

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

Peak Number 4 unknown-01 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.95	2.36 ug/L	55413	Chlorobenzene-d5	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,3-Diisopropoxy-1,3-dimethyl-1,...	232	C10H24O2Si2	198066-66-9	40
2		1H-Benzotriazole, 5-methoxy-	149	C7H7N3O	027799-91-3	25
3		5-Methylthieno[3,2-b]pyridine	149	C8H7NS	001759-29-1	25
4		4-Ethylbenzoic acid, 2,2-dimethyl...	220	C14H20O2	1000293-49-5	23
5		4-Ethylbenzoic acid, 2-methoxyet...	208	C12H16O3	1000331-30-6	17



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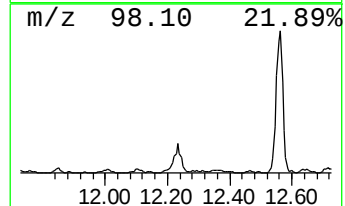
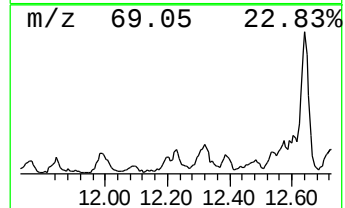
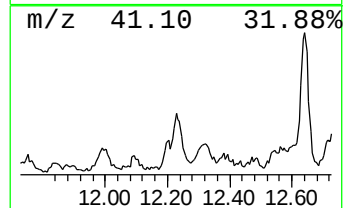
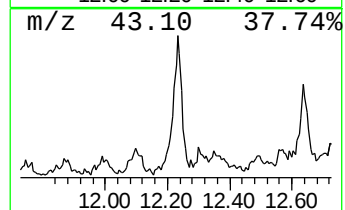
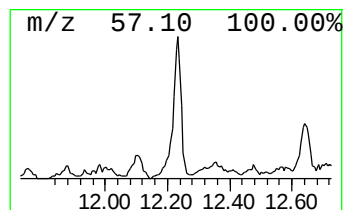
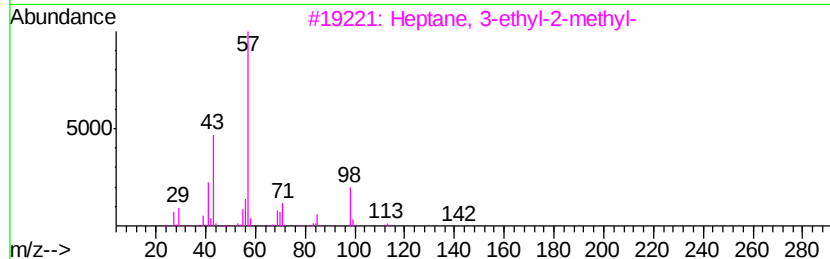
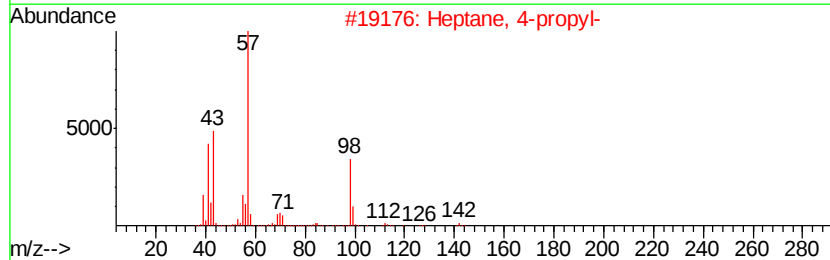
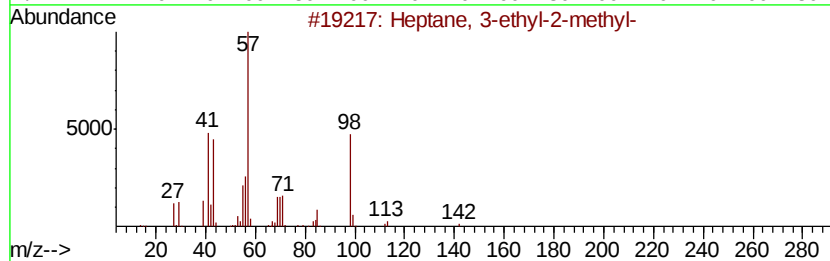
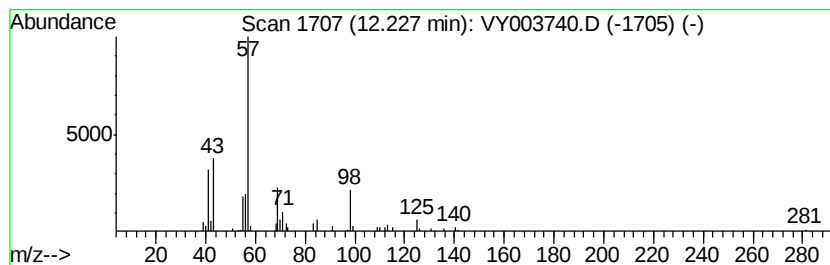
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Quant Title : VOC Analysis

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

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	1.72 ug/L	40364	Chlorobenzene-d5	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	64
2		Heptane, 4-propyl-	142	C10H22	003178-29-8	52
3		Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	50
4		Octane, 2,5,6-trimethyl-	156	C11H24	062016-14-2	43
5		Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	40



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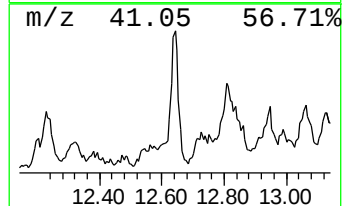
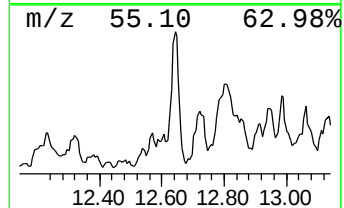
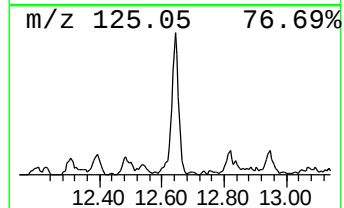
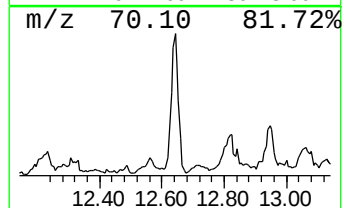
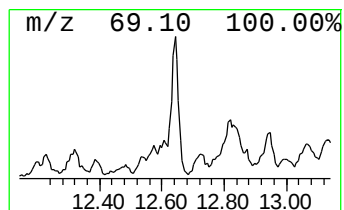
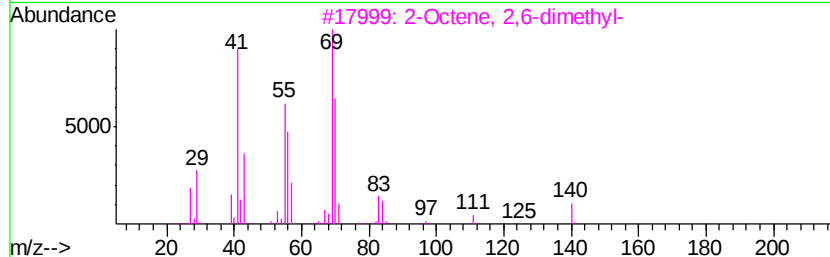
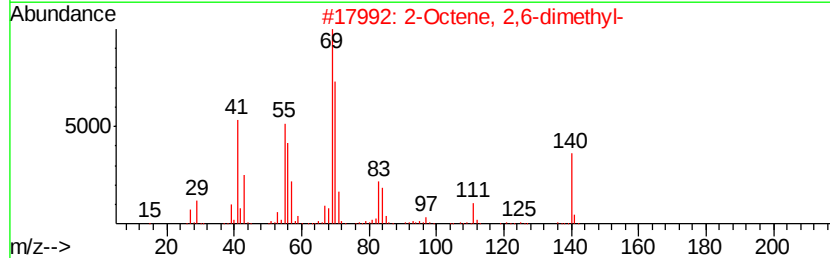
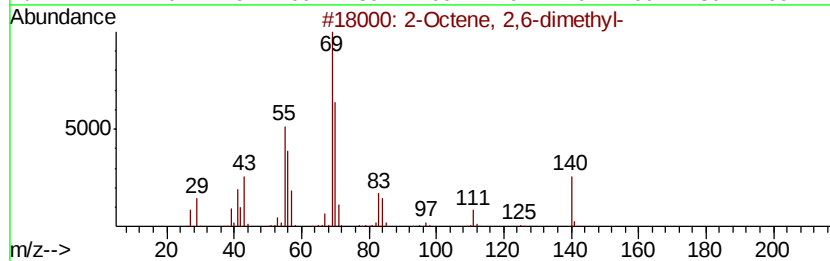
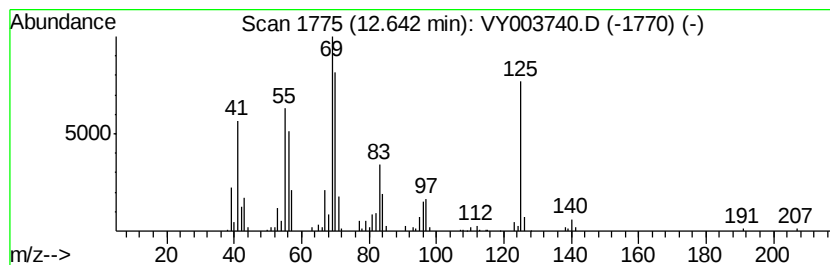
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Quant Title : VOC Analysis

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

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.64	10.59 ug/L	125491	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	58
2		2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	50
3		2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	49
4		Cyclooctane, 1-methyl-3-propyl-	168	C12H24	255885-37-1	47
5		trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003740.D
Acq On : 11 Dec 2020 20:14
Operator : SY/MD
Sample : L5063-08
Misc : 4.71G/10ML/MSVOA Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

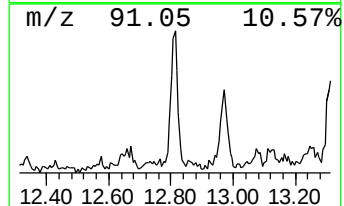
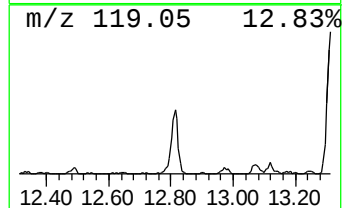
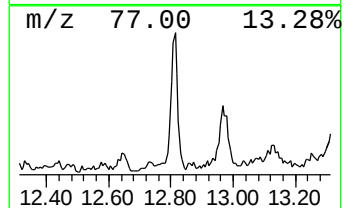
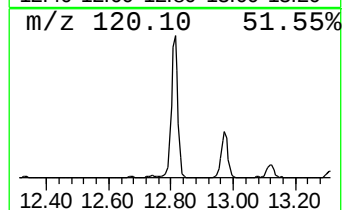
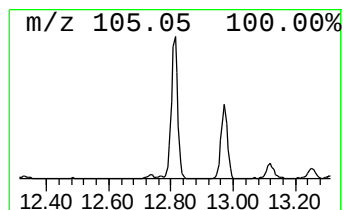
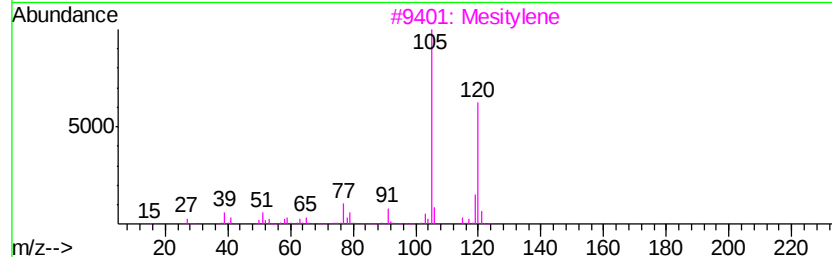
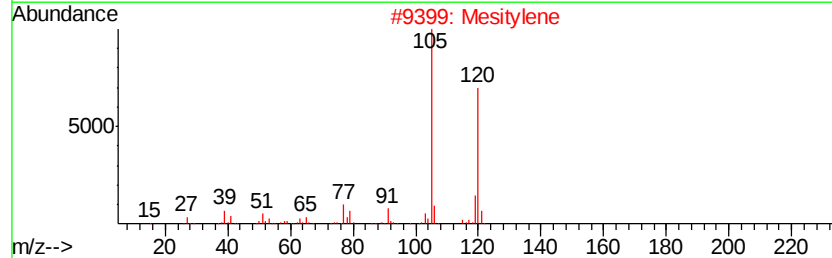
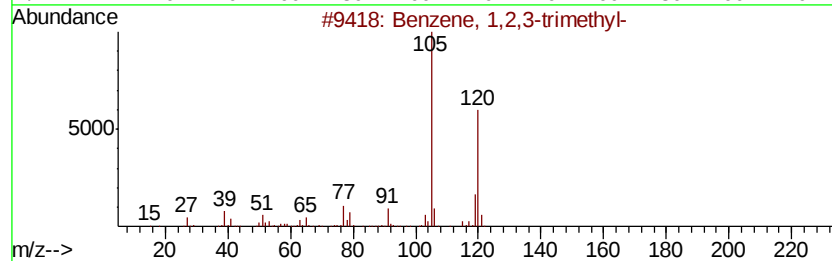
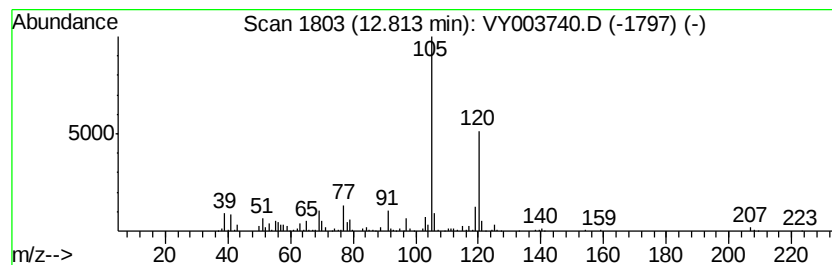
Instrument :
MSVOA_Y
ClientSampleId :
C0AE0

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Quant Title : VOC Analysis

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

Peak Number 10 Benzene, 1,2,3-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.81	18.12 ug/L	214667	1,4-Dichlorobenzene-d4	13.42	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2	Mesitylene	120	C9H12	000108-67-8	94
3	Mesitylene	120	C9H12	000108-67-8	94
4	Mesitylene	120	C9H12	000108-67-8	94
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003740.D
Acq On : 11 Dec 2020 20:14
Operator : SY/MD
Sample : L5063-08
Misc : 4.71G/10ML/MSVOA Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AE0

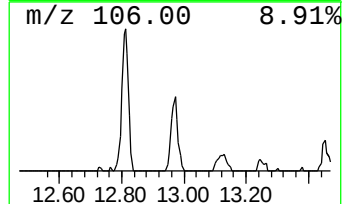
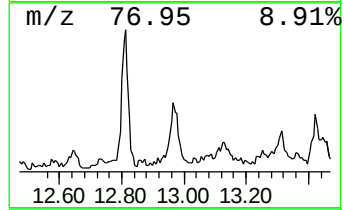
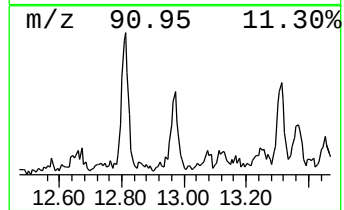
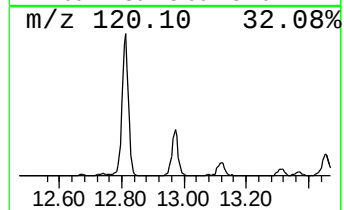
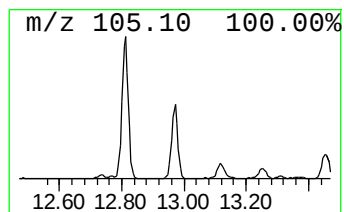
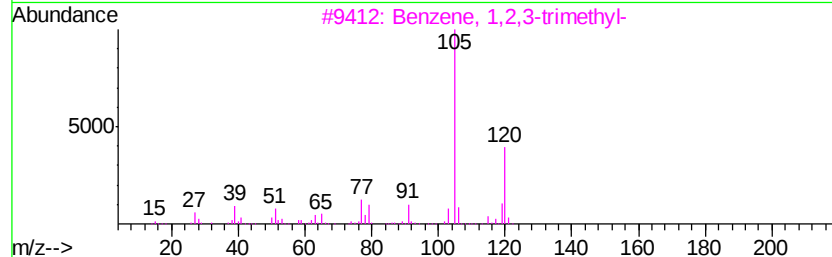
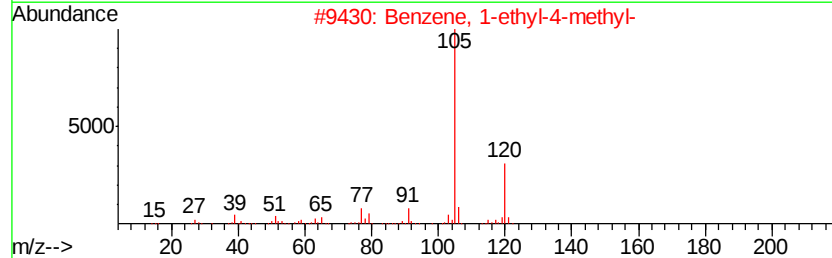
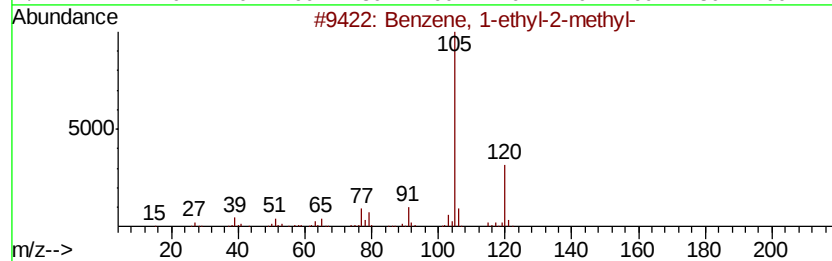
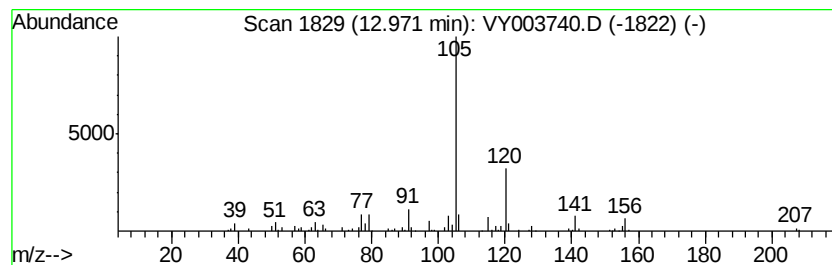
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Quant Title : VOC Analysis

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

Peak Number 11 Benzene, 1-ethyl-2-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.97	10.10 ug/L	119696	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
3		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	89
4		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	89
5		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003740.D
Acq On : 11 Dec 2020 20:14
Operator : SY/MD
Sample : L5063-08
Misc : 4.71G/10ML/MSVOA Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AE0

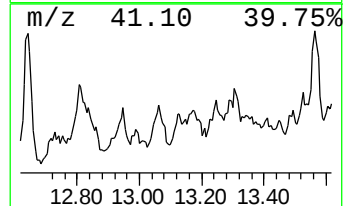
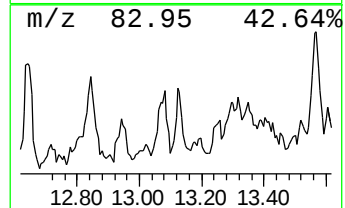
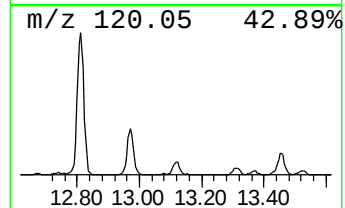
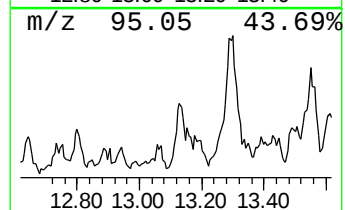
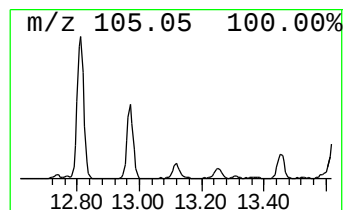
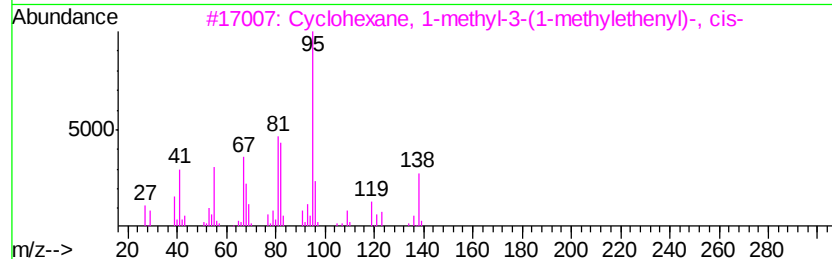
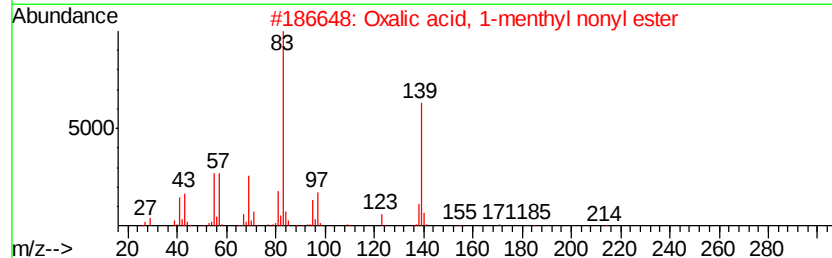
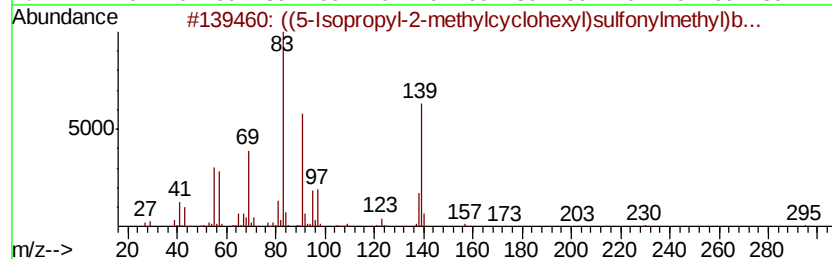
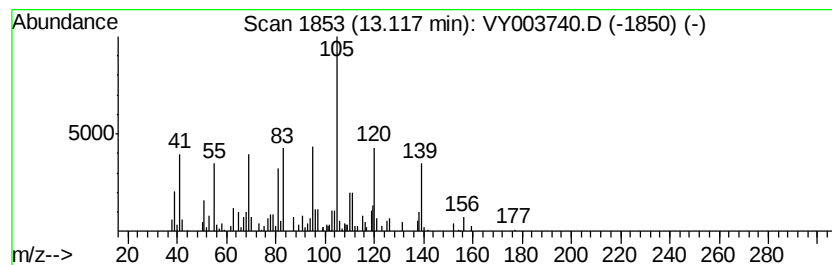
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Quant Title : VOC Analysis

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

Peak Number 12 unknown-02 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	3.62 ug/L	42859	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	((5-Isopropyl-2-methylcyclohexyl...	294	C17H26O2S	093542-25-7	43
2		Oxalic acid, 1-menthyl nonyl ester	354	C21H38O4	1000314-97-7	38
3		Cyclohexane, 1-methyl-3-(1-methyl...	138	C10H18	024399-15-3	35
4		3-Oxabicyclo[3.2.1]octane-2,4-di...	182	C10H14O3	000595-31-3	27
5		Ethyl L-menthyl carbonate	228	C13H24O3	035106-15-1	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003740.D
Acq On : 11 Dec 2020 20:14
Operator : SY/MD
Sample : L5063-08
Misc : 4.71G/10ML/MSVOA Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
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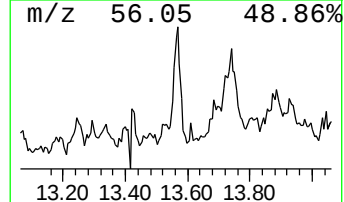
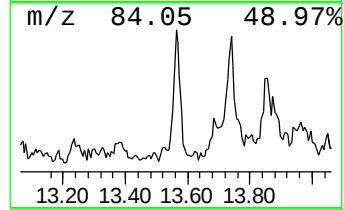
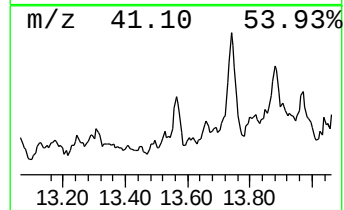
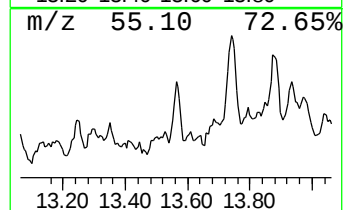
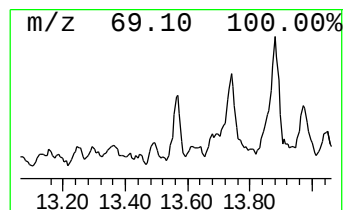
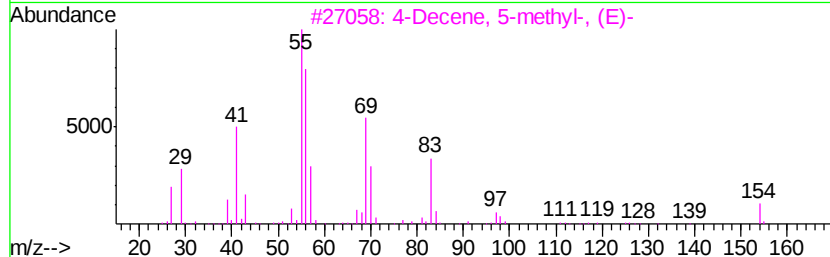
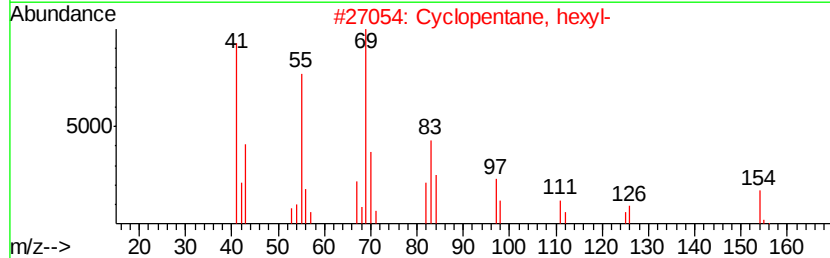
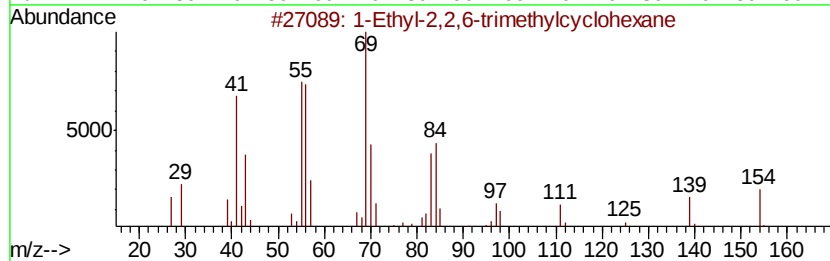
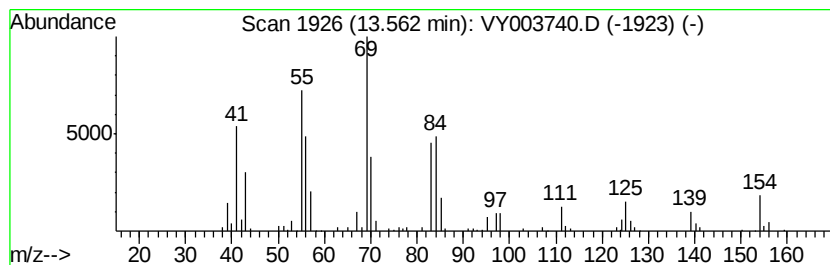
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Quant Title : VOC Analysis

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

Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.56	5.16 ug/L	61130	1,4-Dichlorobenzene-d4	13.42

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Ethyl-2,2,6-trimethylcyclohexane	154	C11H22	071186-27-1	68
2			Cyclopentane, hexyl-	154	C11H22	004457-00-5	58
3			4-Decene, 5-methyl-, (E)-	154	C11H22	062338-51-6	50
4			2,3-Dimethyl-3-heptene, (Z)-	126	C9H18	059643-73-1	49
5			4-Octene, 2,6-dimethyl-, [S-(E)]-	140	C10H20	062960-76-3	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003740.D
Acq On : 11 Dec 2020 20:14
Operator : SY/MD
Sample : L5063-08
Misc : 4.71G/10ML/MSVOA Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
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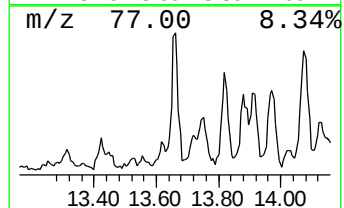
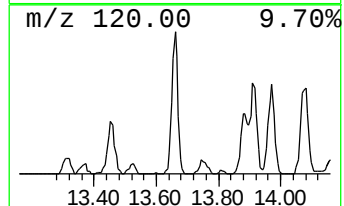
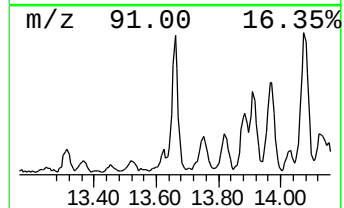
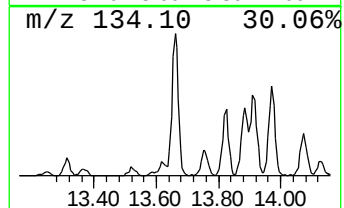
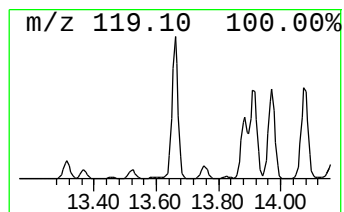
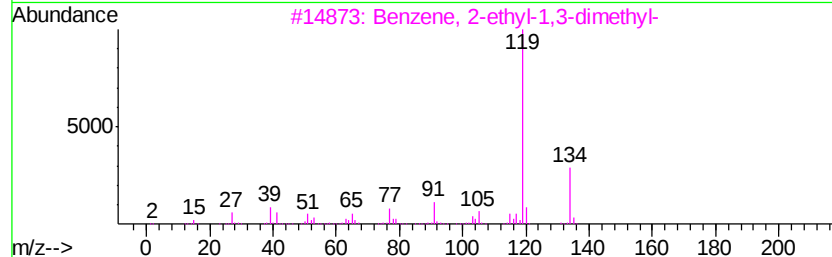
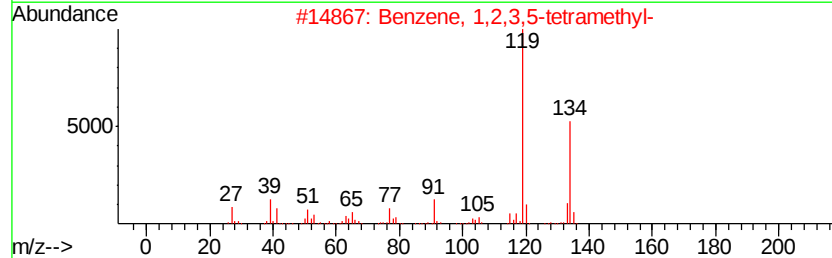
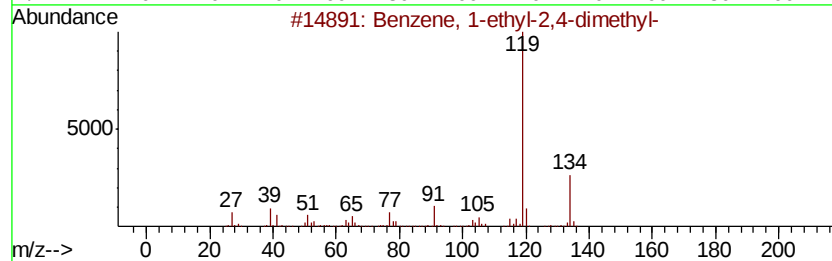
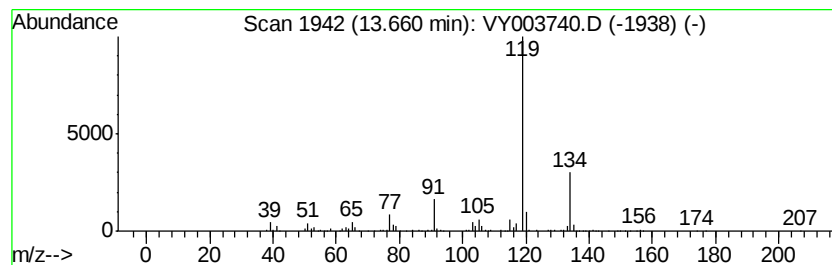
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Quant Title : VOC Analysis

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

Peak Number 14 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.66	16.07 ug/L	190359	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	91
2		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
3		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91
4		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91
5		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003740.D
Acq On : 11 Dec 2020 20:14
Operator : SY/MD
Sample : L5063-08
Misc : 4.71G/10ML/MSVOA Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

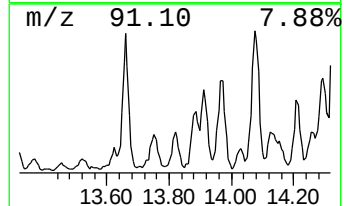
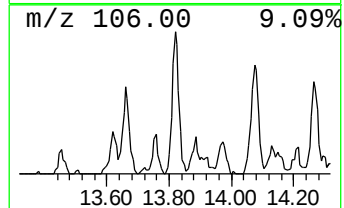
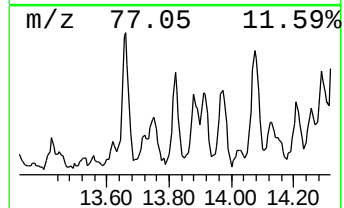
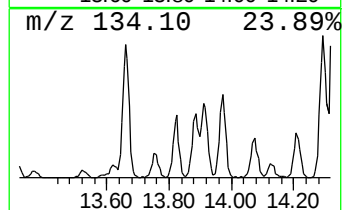
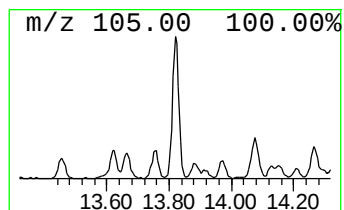
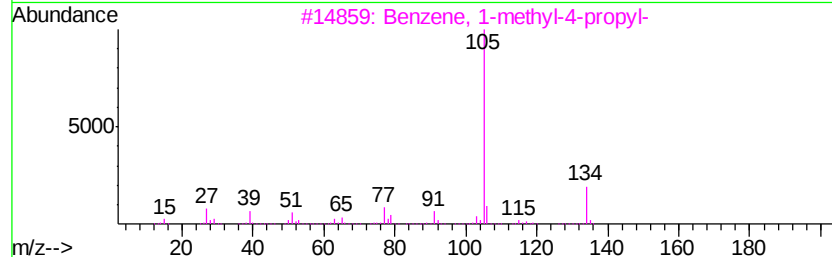
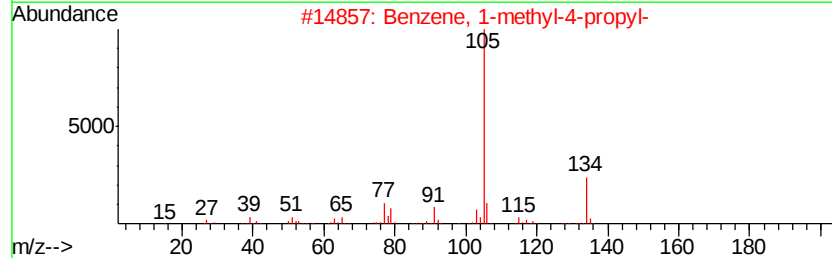
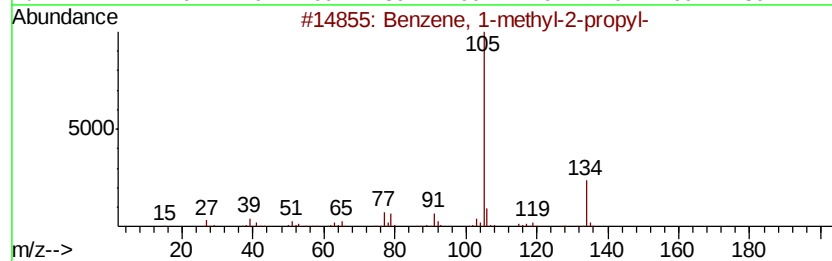
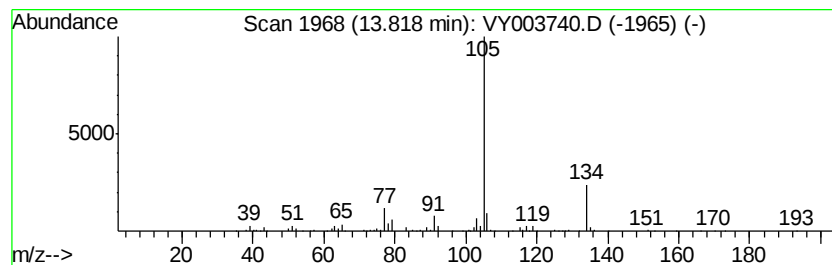
Instrument :
MSVOA_Y
ClientSampleId :
C0AE0

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 15 Benzene, 1-methyl-2-propyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.82	6.79 ug/L	80437	1,4-Dichlorobenzene-d4	13.42		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-propyl-		134	C10H14	001074-17-5	93
2	Benzene, 1-methyl-4-propyl-		134	C10H14	001074-55-1	90
3	Benzene, 1-methyl-4-propyl-		134	C10H14	001074-55-1	90
4	Benzene, 1-methyl-4-propyl-		134	C10H14	001074-55-1	90
5	Benzene, 1-methyl-4-propyl-		134	C10H14	001074-55-1	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003740.D
Acq On : 11 Dec 2020 20:14
Operator : SY/MD
Sample : L5063-08
Misc : 4.71G/10ML/MSVOA Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AE0

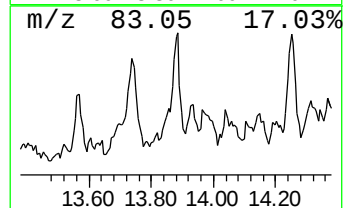
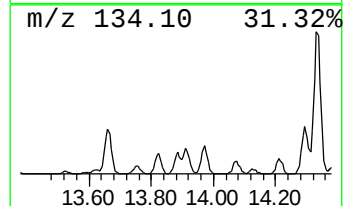
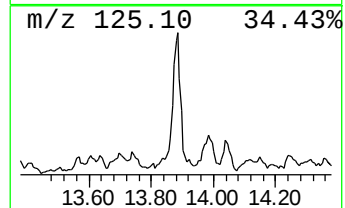
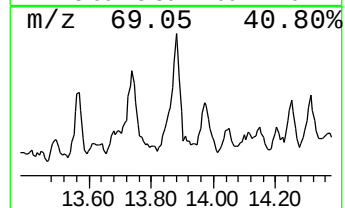
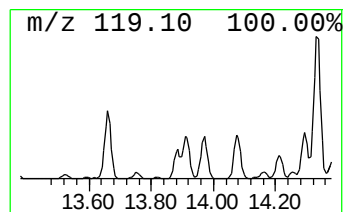
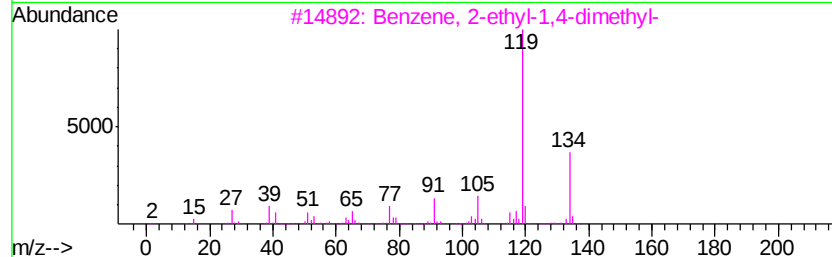
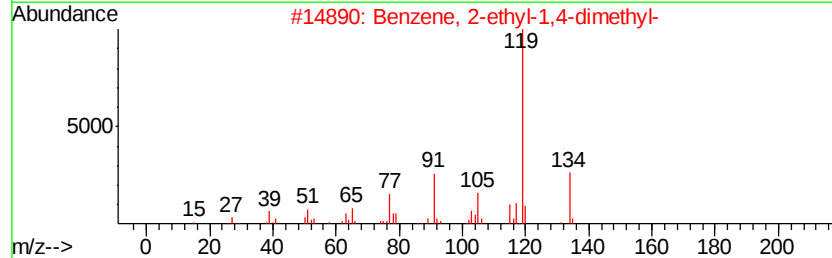
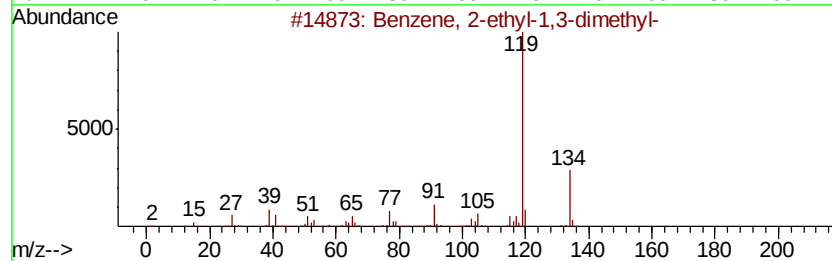
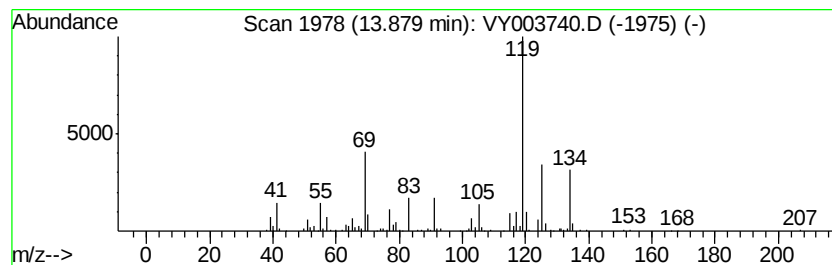
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Quant Title : VOC Analysis

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

Peak Number 16 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.88	11.03 ug/L	130659	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	93
2		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	90
3		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	90
4		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	90
5		o-Cymene	134	C10H14	000527-84-4	89



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003740.D
Acq On : 11 Dec 2020 20:14
Operator : SY/MD
Sample : L5063-08
Misc : 4.71G/10ML/MSVOA Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

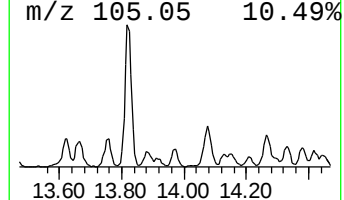
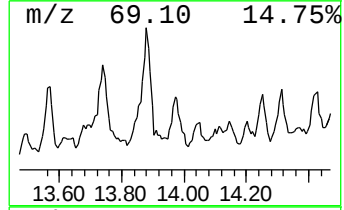
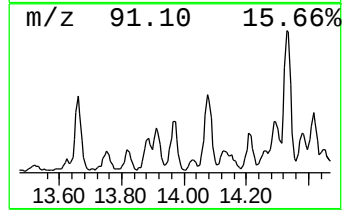
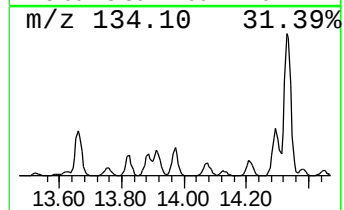
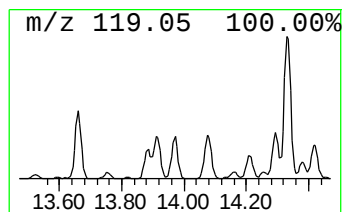
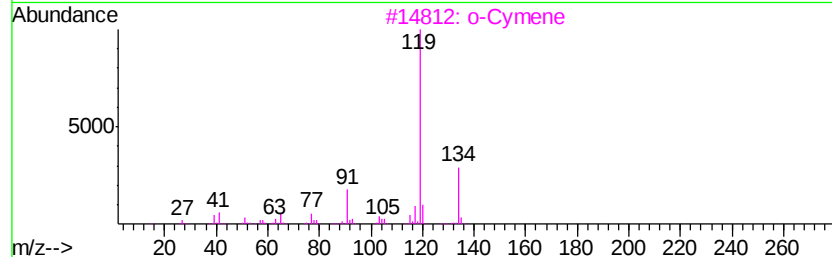
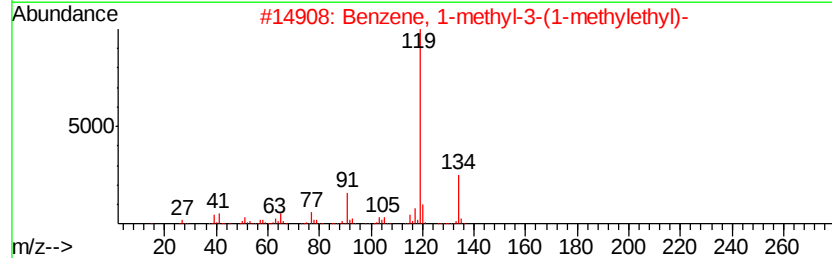
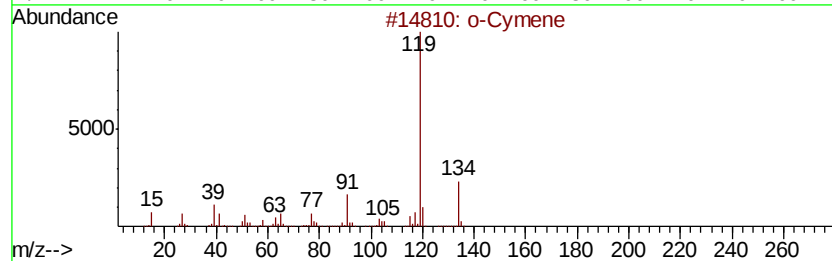
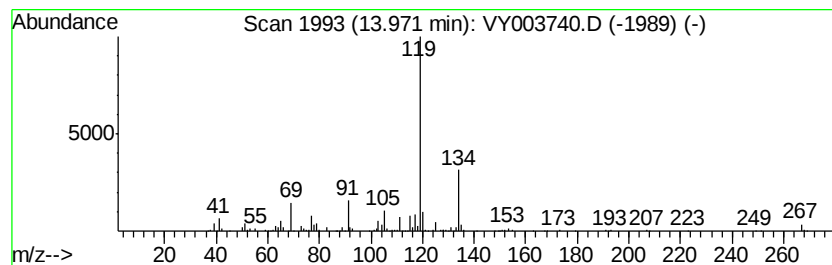
Instrument :
MSVOA_Y
ClientSampleId :
C0AE0

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 o-Cymene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	16.92 ug/L	200487	1,4-Dichlorobenzene-d4	13.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		o-Cymene	134 C10H14	000527-84-4 95
2		Benzene, 1-methyl-3-(1-methylethyl-...)	134 C10H14	000535-77-3 95
3		o-Cymene	134 C10H14	000527-84-4 95
4		o-Cymene	134 C10H14	000527-84-4 95
5		p-Cymene	134 C10H14	000099-87-6 95



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003740.D
Acq On : 11 Dec 2020 20:14
Operator : SY/MD
Sample : L5063-08
Misc : 4.71G/10ML/MSVOA Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AE0

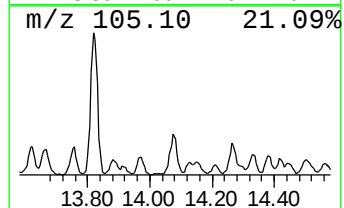
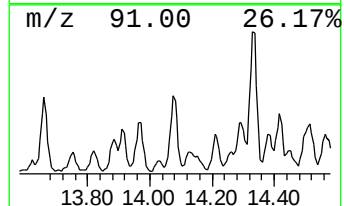
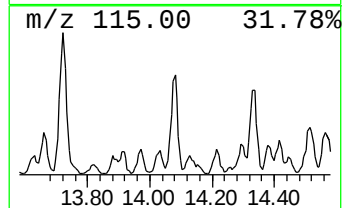
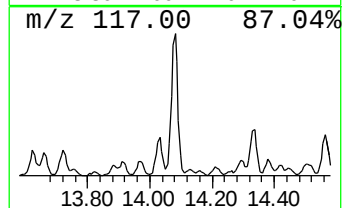
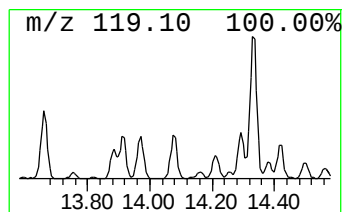
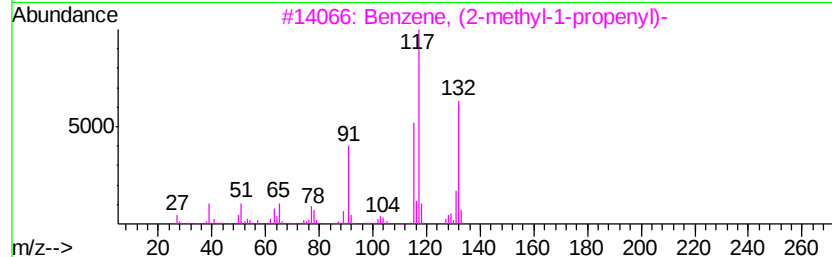
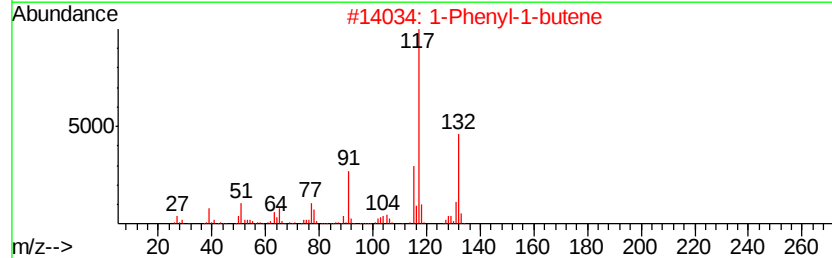
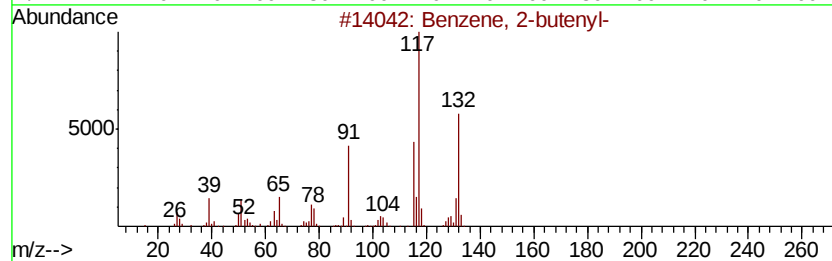
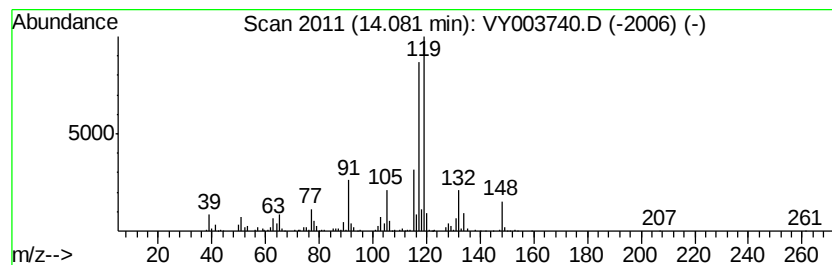
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Quant Title : VOC Analysis

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

Peak Number 18 Benzene, 2-butenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.08	20.89 ug/L	247584	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	70
2		1-Phenyl-1-butene	132	C10H12	000824-90-8	64
3		Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	50
4		Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	50
5		(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003740.D
Acq On : 11 Dec 2020 20:14
Operator : SY/MD
Sample : L5063-08
Misc : 4.71G/10ML/MSVOA Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

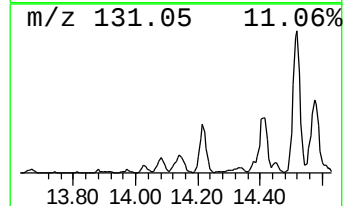
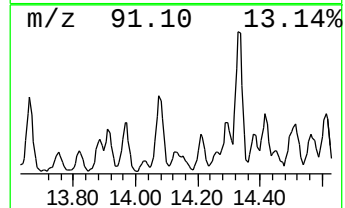
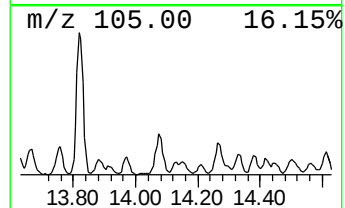
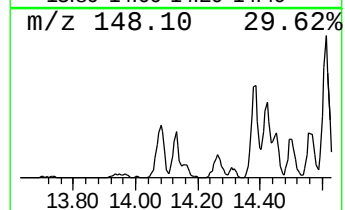
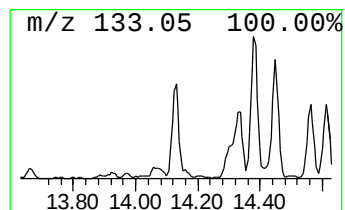
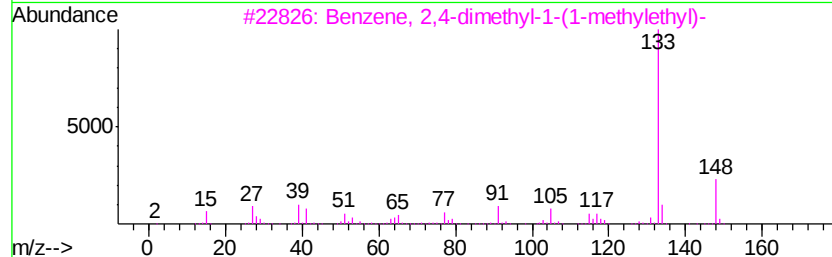
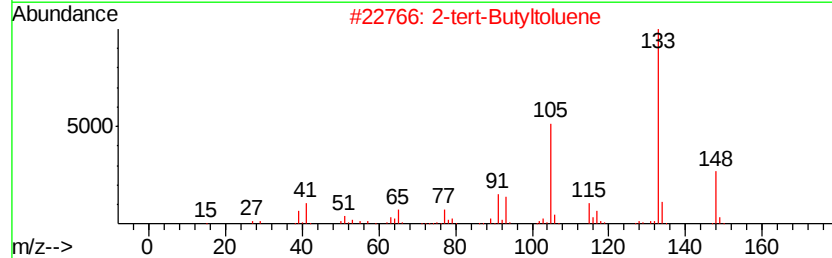
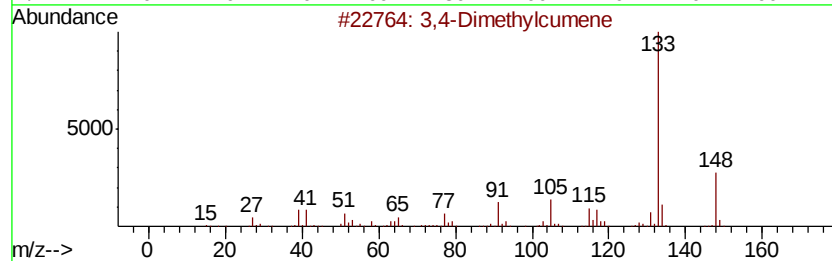
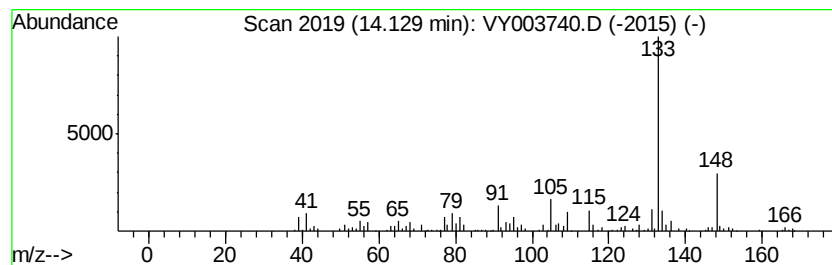
Instrument :
MSVOA_Y
ClientSampleId :
C0AE0

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 3,4-Dimethylcumene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.13	15.06 ug/L	178468	1,4-Dichlorobenzene-d4	13.42	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dimethylcumene	148	C11H16	1000370-34-1	87
2	2-tert-Butyltoluene	148	C11H16	001074-92-6	76
3	Benzene, 2,4-dimethyl-1-(1-methv...	148	C11H16	004706-89-2	74
4	Benzene, 1,3-dimethyl-5-(1-methv...	148	C11H16	004706-90-5	72
5	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003740.D
Acq On : 11 Dec 2020 20:14
Operator : SY/MD
Sample : L5063-08
Misc : 4.71G/10ML/MSVOA Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AE0

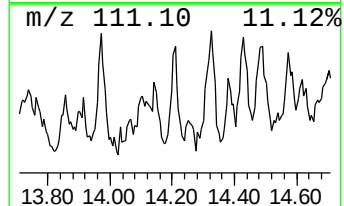
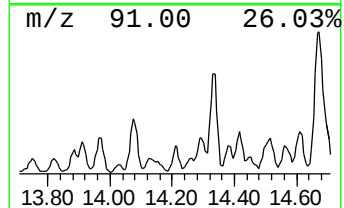
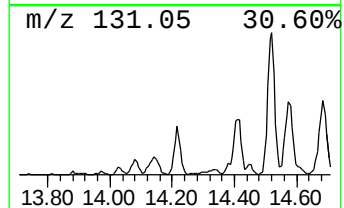
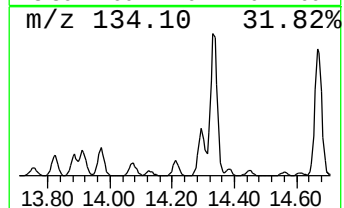
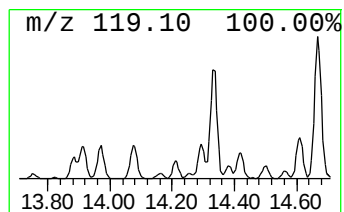
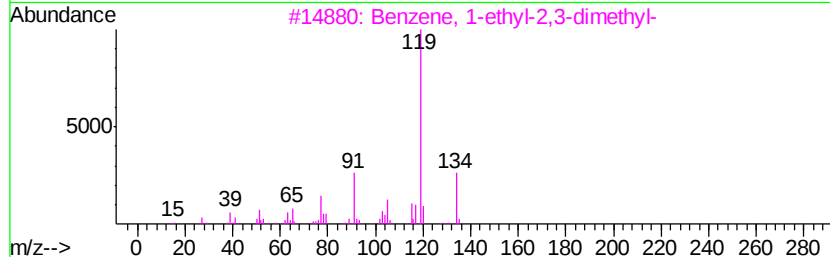
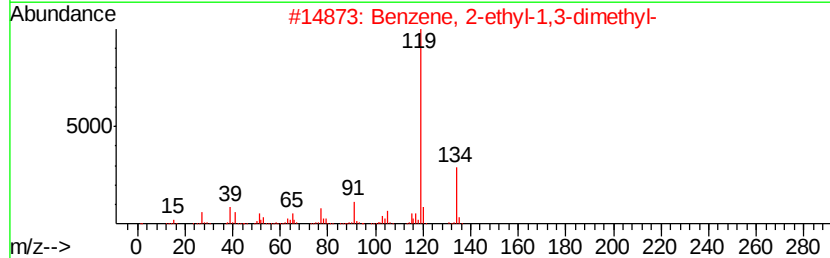
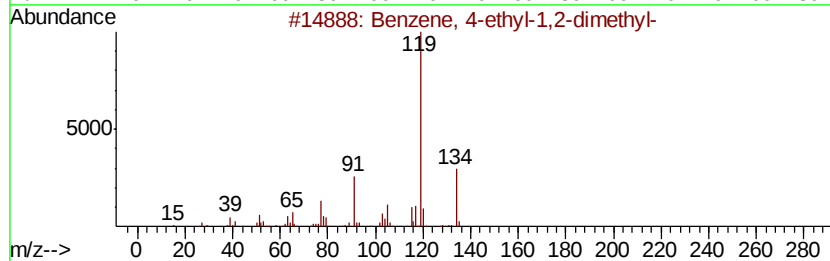
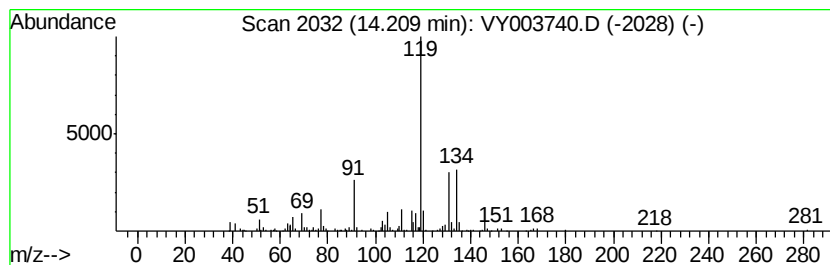
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Quant Title : VOC Analysis

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

Peak Number 20 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	8.69 ug/L	102942	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		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	93
3		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	93
4		p-Cymene	134	C10H14	000099-87-6	76
5		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003740.D
Acq On : 11 Dec 2020 20:14
Operator : SY/MD
Sample : L5063-08
Misc : 4.71G/10ML/MSVOA Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

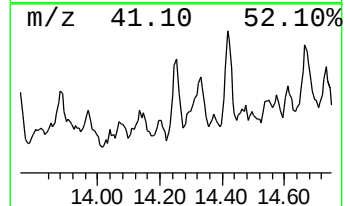
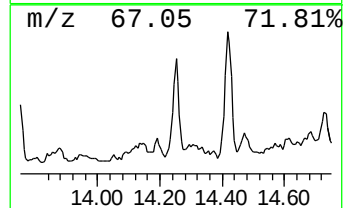
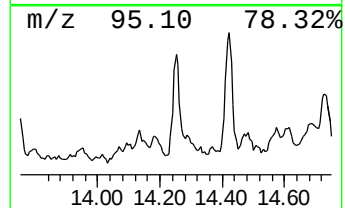
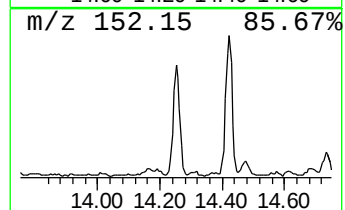
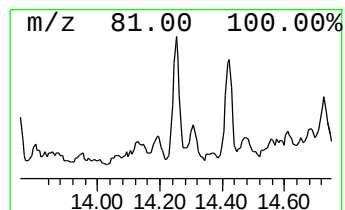
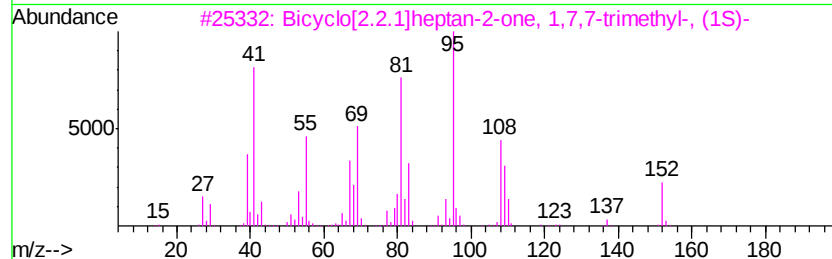
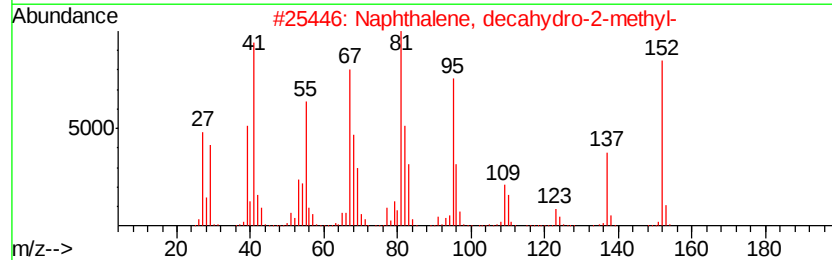
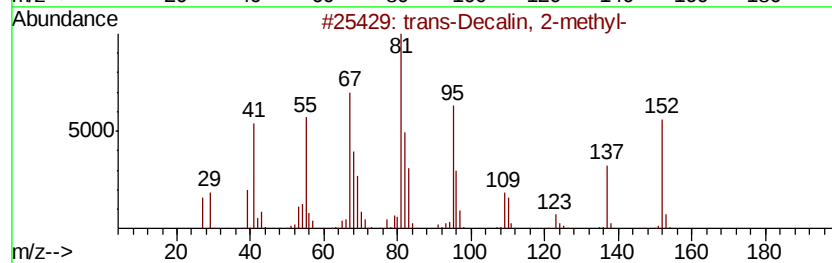
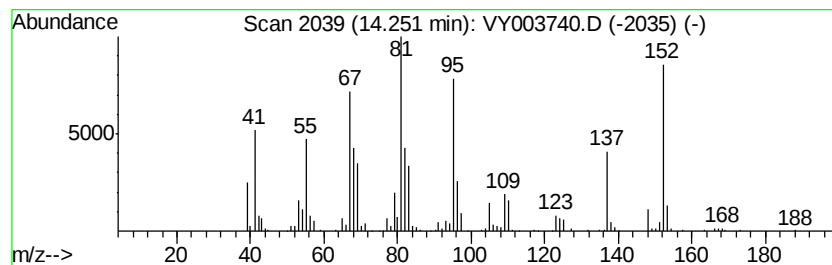
Instrument :
MSVOA_Y
ClientSampleId :
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

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

Peak Number 21 trans-Decalin, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.25	15.72 ug/L	186311	1,4-Dichlorobenzene-d4	13.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	trans-Decalin, 2-methyl-	152 C11H20	1000152-47-3	97
2	Naphthalene, decahydro-2-methyl-	152 C11H20	002958-76-1	96
3	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152 C10H16O	000464-48-2	76
4	Cyclohexanone, 5-methyl-2-(1-met...	152 C10H16O	029606-79-9	68
5	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152 C10H16O	000464-48-2	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003740.D
Acq On : 11 Dec 2020 20:14
Operator : SY/MD
Sample : L5063-08
Misc : 4.71G/10ML/MSVOA Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
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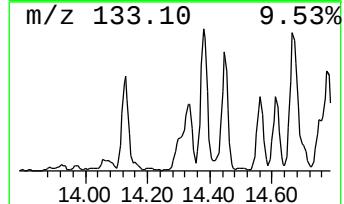
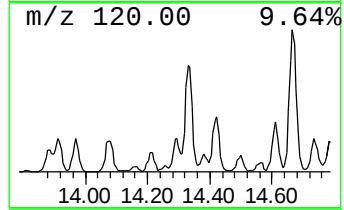
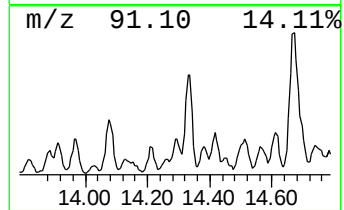
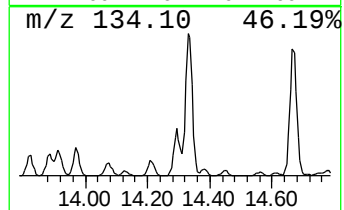
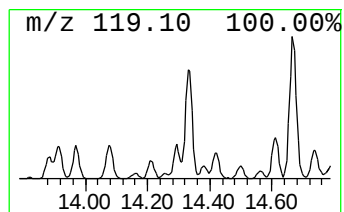
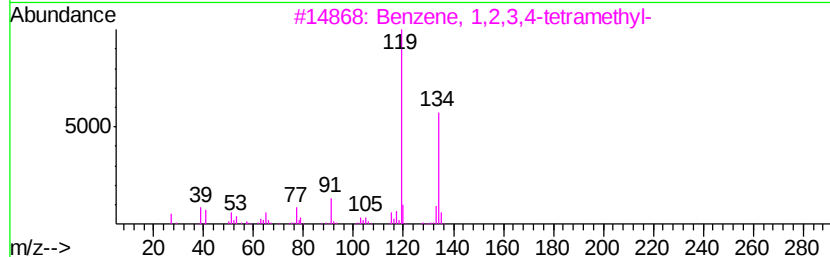
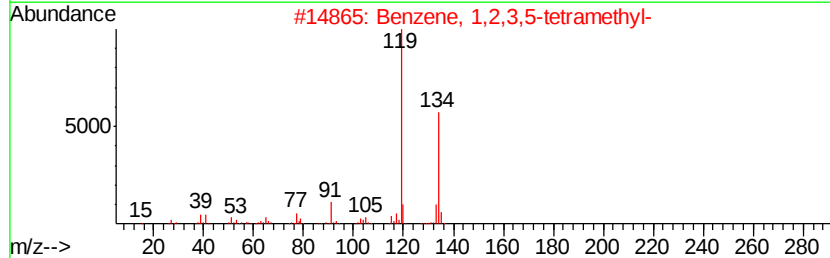
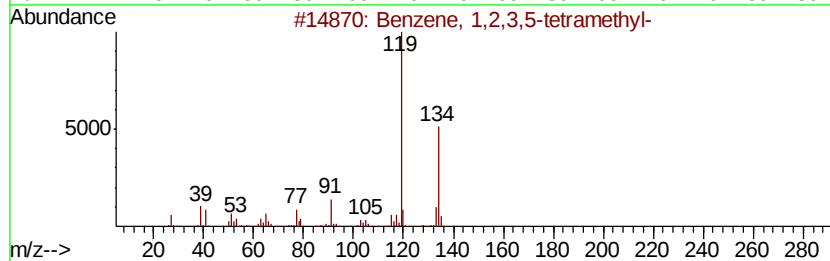
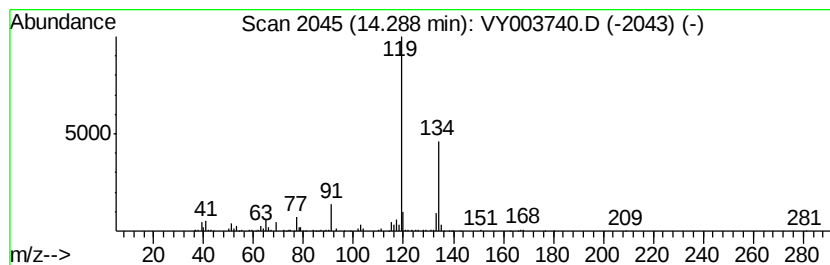
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Quant Title : VOC Analysis

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

Peak Number 22 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.29	9.51 ug/L	112681	1,4-Dichlorobenzene-d4	13.42

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
2			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
3			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
4			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
5			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003740.D
Acq On : 11 Dec 2020 20:14
Operator : SY/MD
Sample : L5063-08
Misc : 4.71G/10ML/MSVOA Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AE0

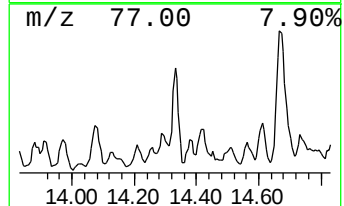
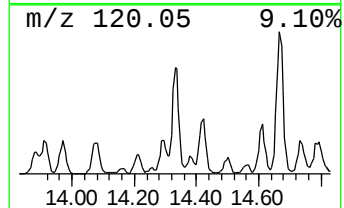
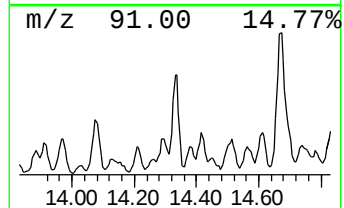
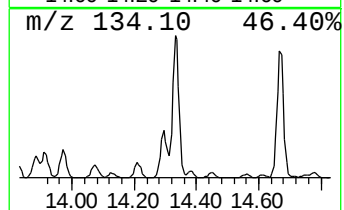
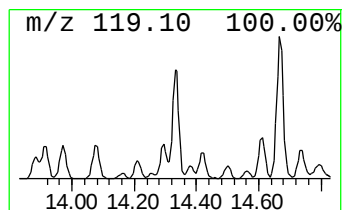
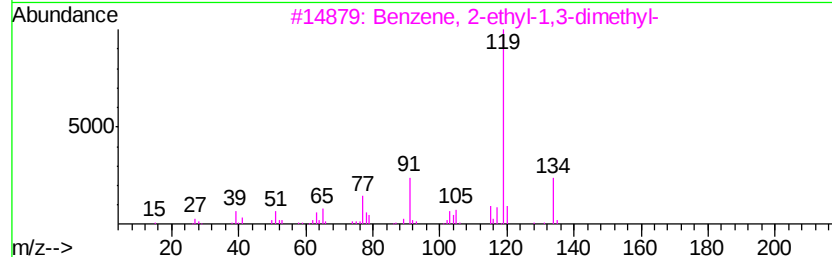
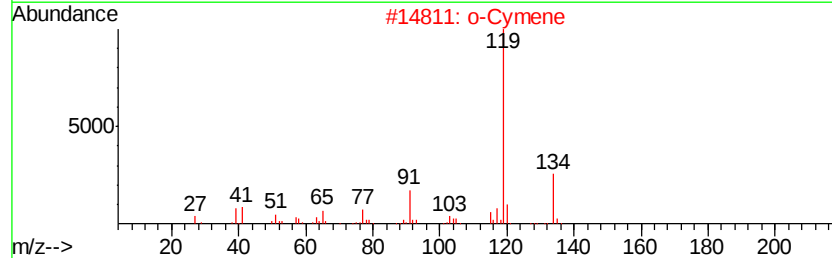
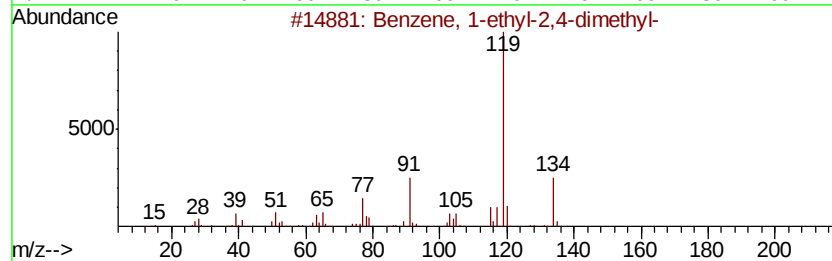
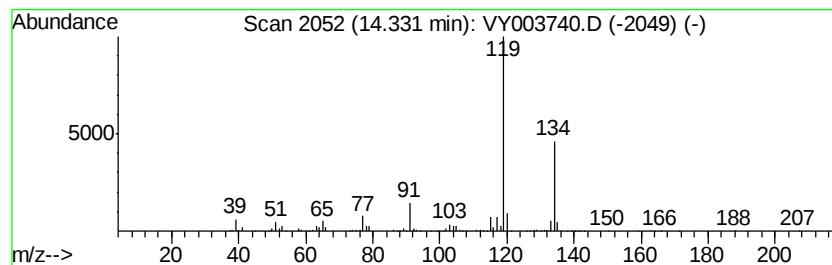
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Quant Title : VOC Analysis

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

Peak Number 23 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.33	40.45 ug/L	479324	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		o-Cymene	134	C10H14	000527-84-4	95
3		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
4		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94
5		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003740.D
Acq On : 11 Dec 2020 20:14
Operator : SY/MD
Sample : L5063-08
Misc : 4.71G/10ML/MSVOA Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

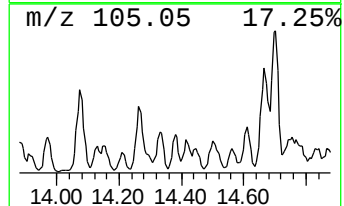
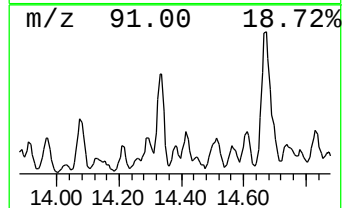
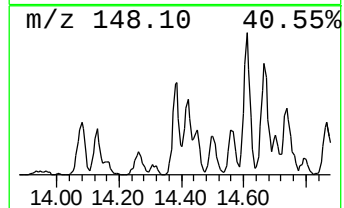
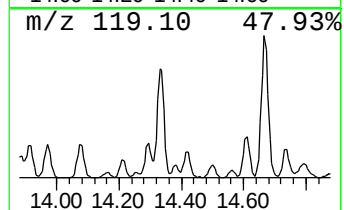
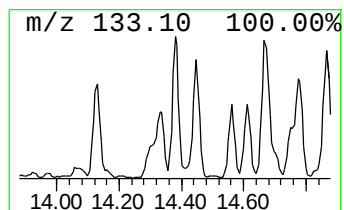
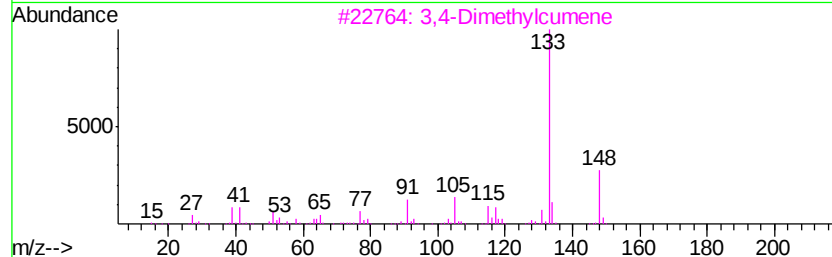
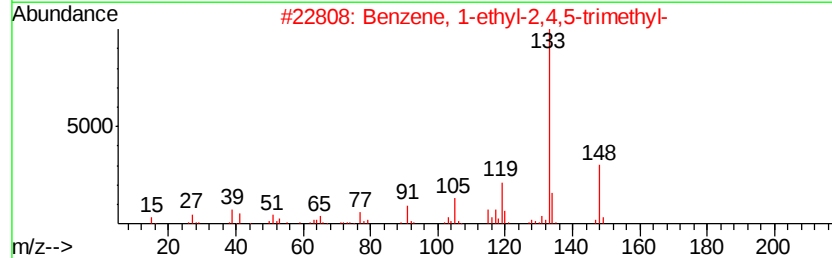
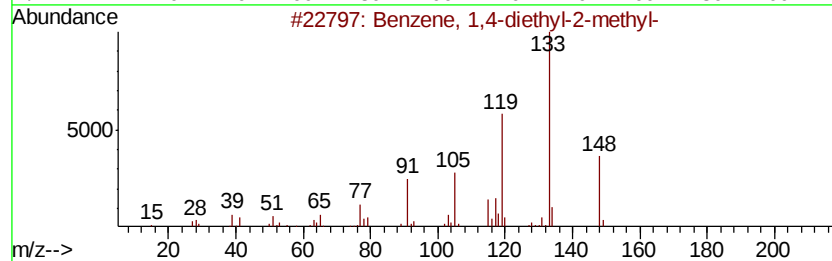
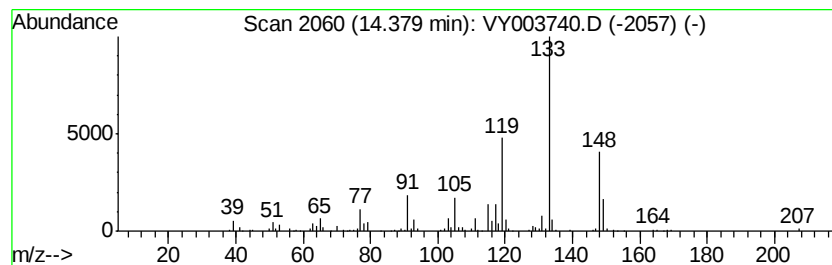
Instrument :
MSVOA_Y
ClientSampleId :
C0AE0

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 Benzene, 1,4-diethyl-2-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.		
14.38	9.62 ug/L	113985	1,4-Dichlorobenzene-d4	13.42		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	93
2		Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	72
3		3,4-Dimethylcumene	148	C11H16	1000370-34-1	70
4		Benzene, pentamethyl-	148	C11H16	000700-12-9	68
5		Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003740.D
Acq On : 11 Dec 2020 20:14
Operator : SY/MD
Sample : L5063-08
Misc : 4.71G/10ML/MSVOA Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

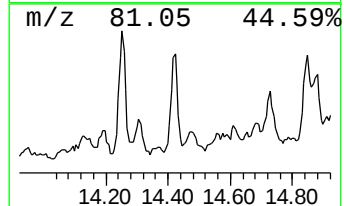
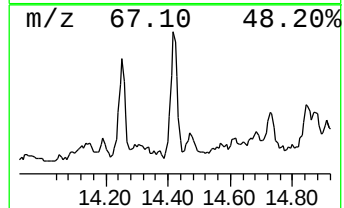
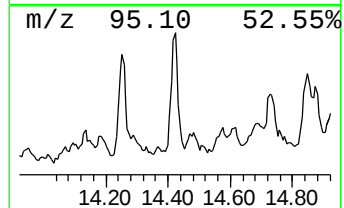
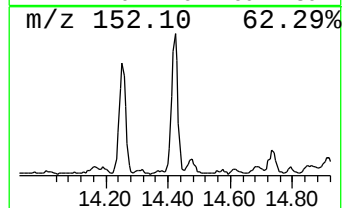
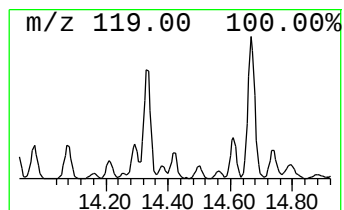
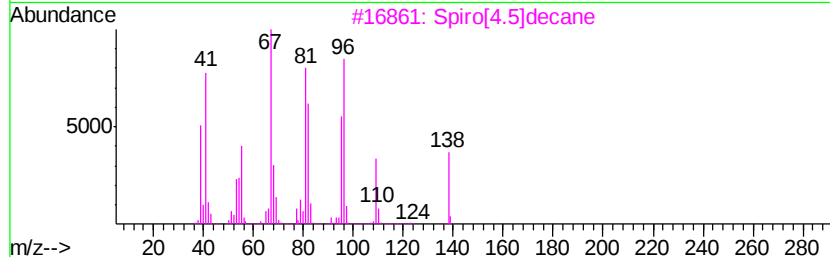
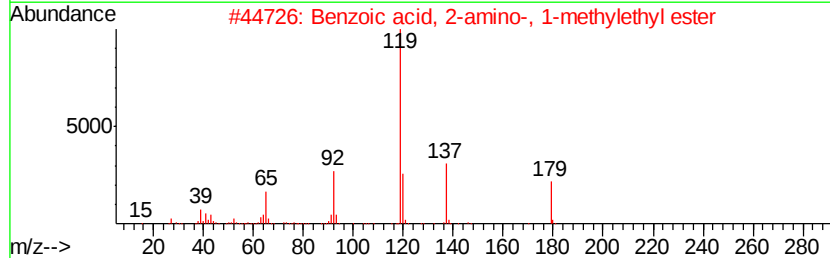
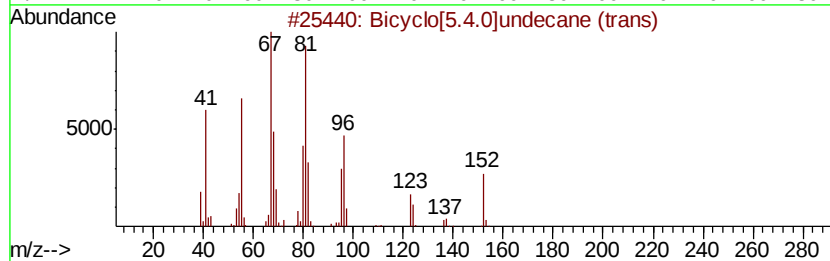
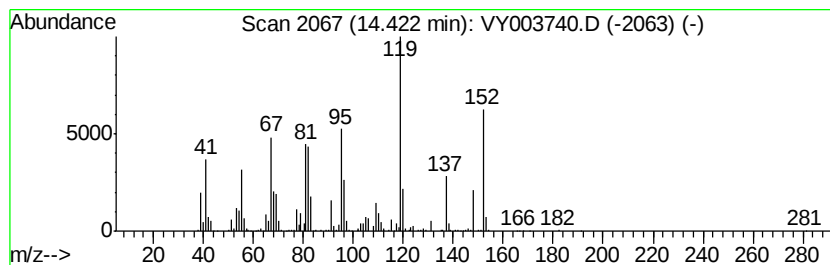
Instrument :
MSVOA_Y
ClientSampleId :
C0AE0

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 Bicyclo[5.4.0]undecane (trans) Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.		
14.42	22.37 ug/L	265060	1,4-Dichlorobenzene-d4	13.42		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Bicvclo[5.4.0]undecane (trans)	152	C11H20	021394-30-9	22
2		Benzoic acid, 2-amino-, 1-methyl...	179	C10H13NO2	018189-02-1	22
3		Spiro[4.5]decane	138	C10H18	000176-63-6	20
4		5-Octen-1-ol, (Z)-	128	C8H16O	064275-73-6	18
5		Cyclohexane, methylene-	96	C7H12	001192-37-6	15



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003740.D
Acq On : 11 Dec 2020 20:14
Operator : SY/MD
Sample : L5063-08
Misc : 4.71G/10ML/MSVOA Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
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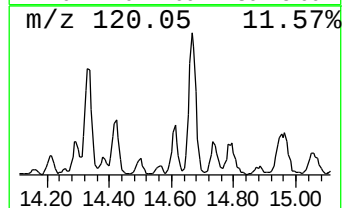
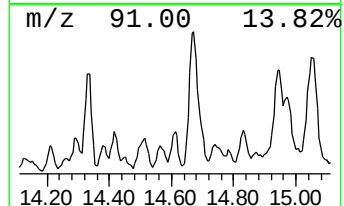
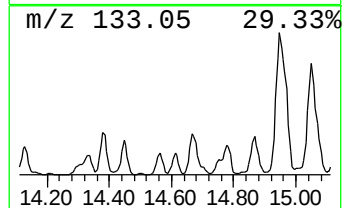
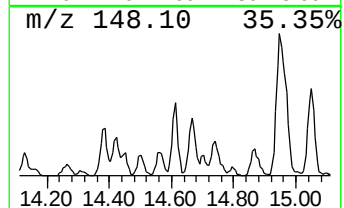
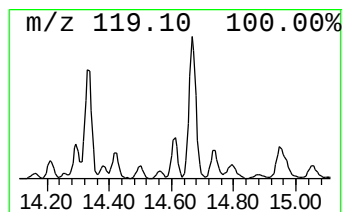
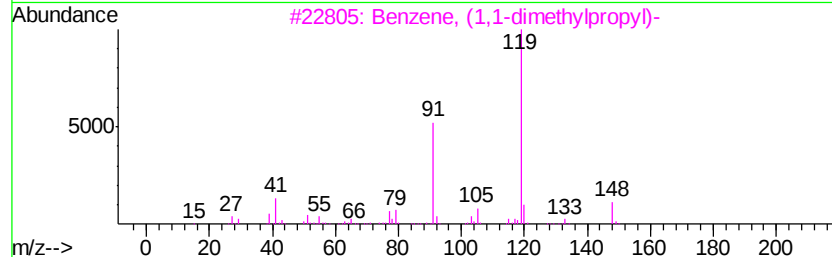
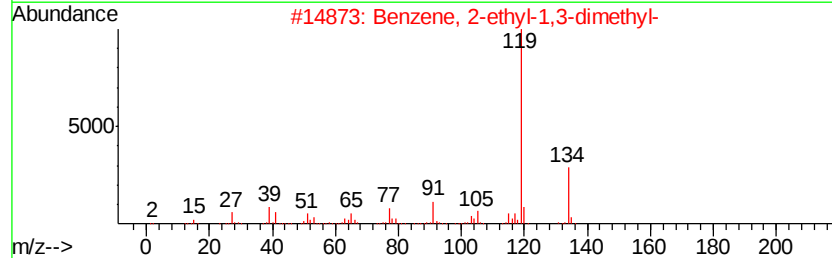
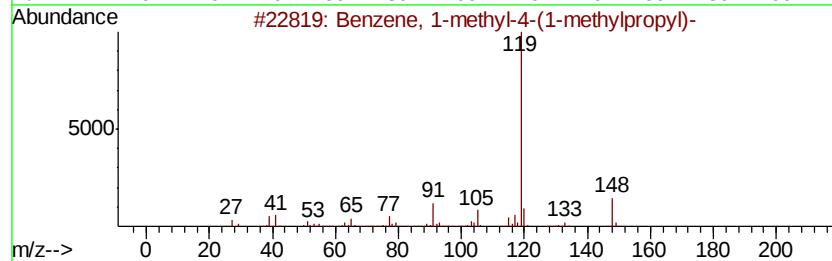
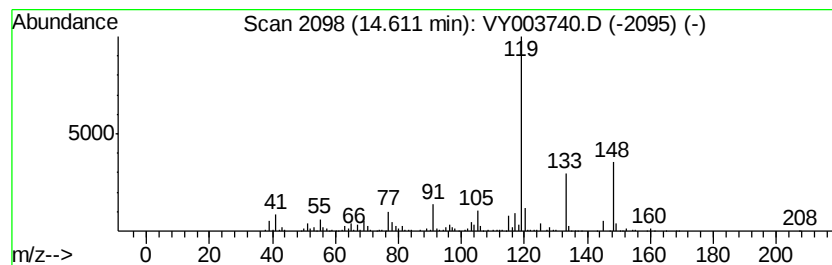
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Quant Title : VOC Analysis

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

Peak Number 26 Benzene, 1-methyl-4-(1-meth... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.61	16.58 ug/L	196497	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	93
2		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	64
3		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	64
4		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	60
5		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003740.D
Acq On : 11 Dec 2020 20:14
Operator : SY/MD
Sample : L5063-08
Misc : 4.71G/10ML/MSVOA Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AE0

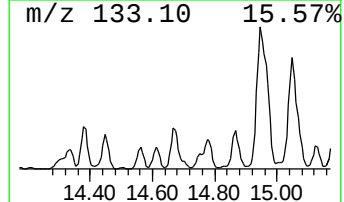
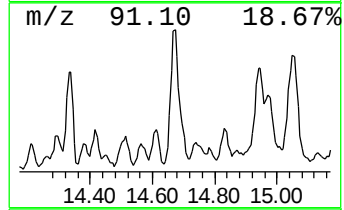
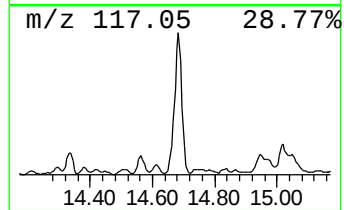
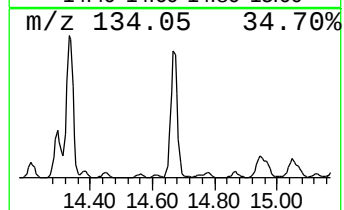
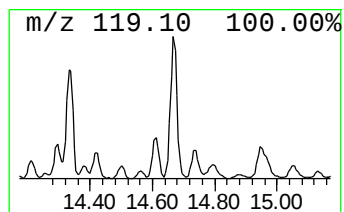
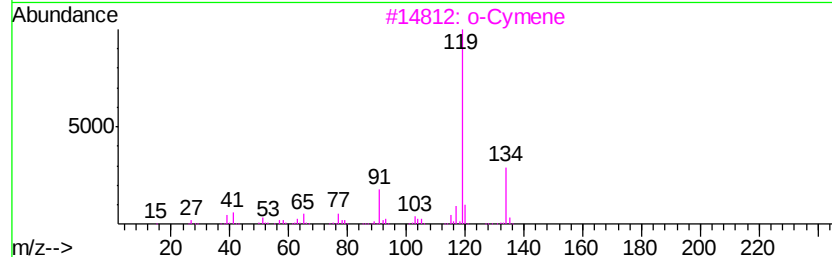
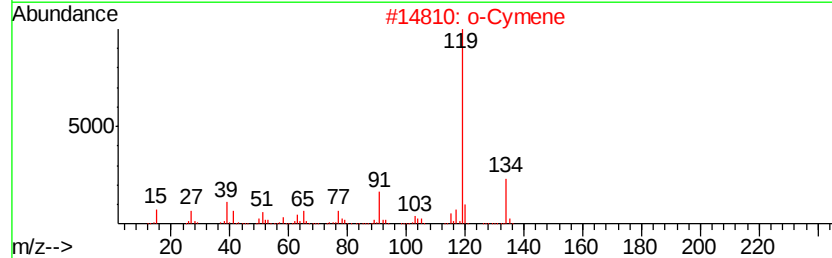
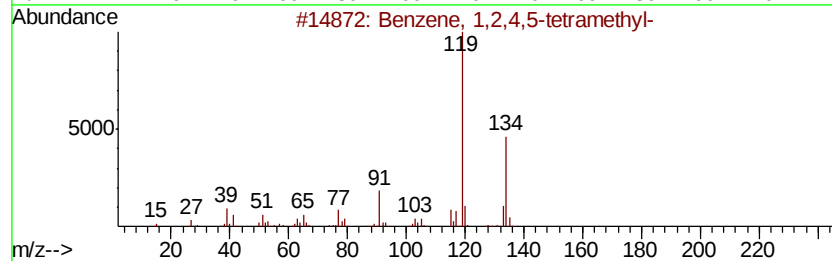
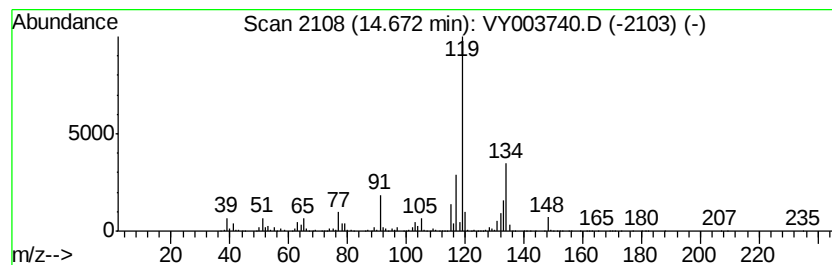
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Quant Title : VOC Analysis

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

Peak Number 27 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.67	90.11 ug/L	1067740	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	76
2		o-Cymene	134	C10H14	000527-84-4	76
3		o-Cymene	134	C10H14	000527-84-4	76
4		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	76
5		p-Cymene	134	C10H14	000099-87-6	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003740.D
Acq On : 11 Dec 2020 20:14
Operator : SY/MD
Sample : L5063-08
Misc : 4.71G/10ML/MSVOA Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AE0

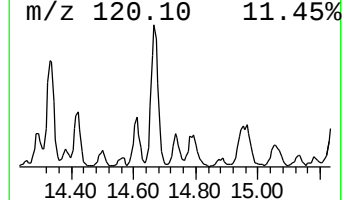
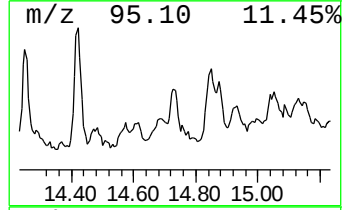
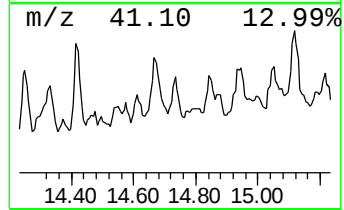
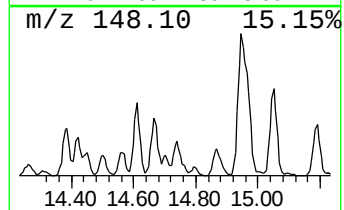
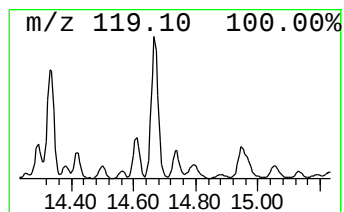
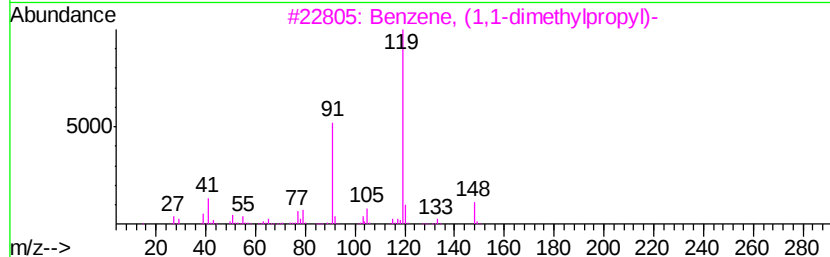
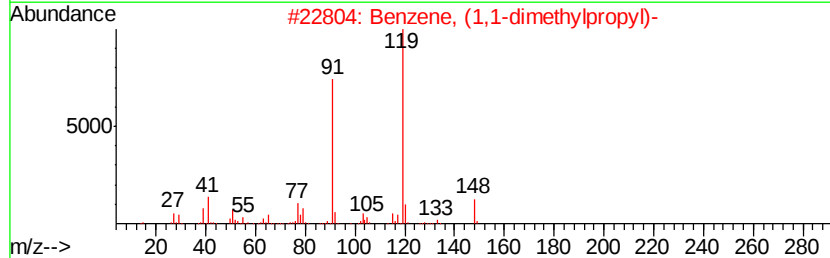
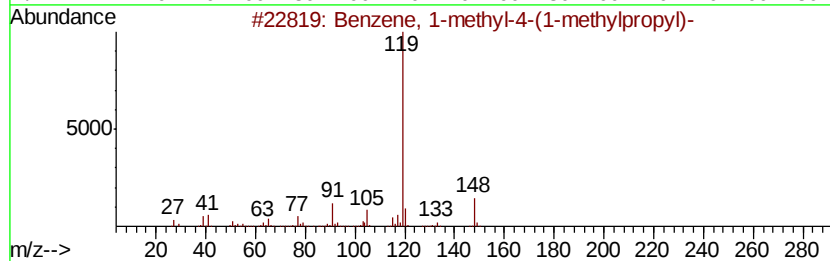
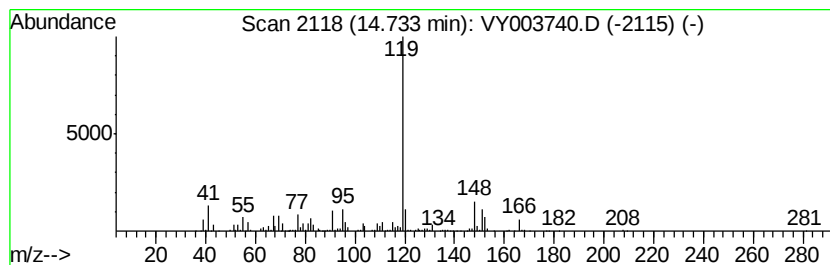
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Quant Title : VOC Analysis

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

Peak Number 28 Benzene, (1,1-dimethylpropyl)- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	13.19 ug/L	156342	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	58
2		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	58
3		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	52
4		4'-Methylpropiophenone	148	C10H12O	005337-93-9	50
5		p-Cymene	134	C10H14	000099-87-6	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003740.D
Acq On : 11 Dec 2020 20:14
Operator : SY/MD
Sample : L5063-08
Misc : 4.71G/10ML/MSVOA Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AE0

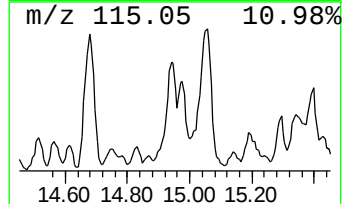
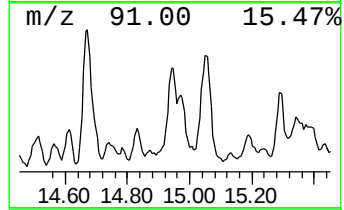
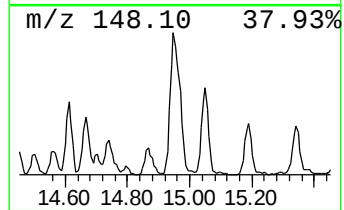
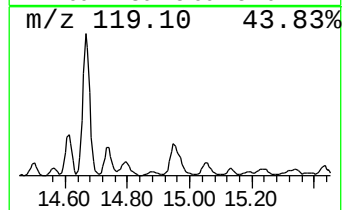
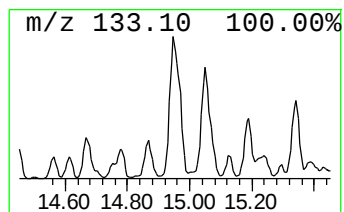
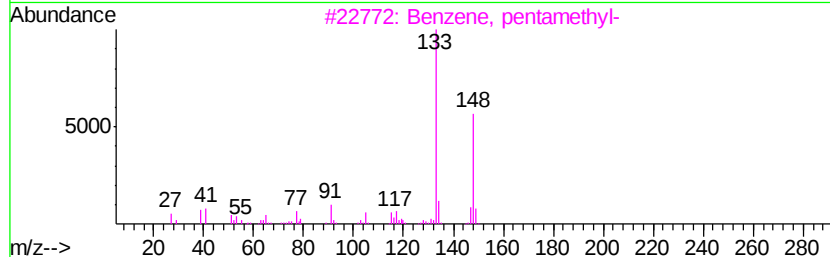
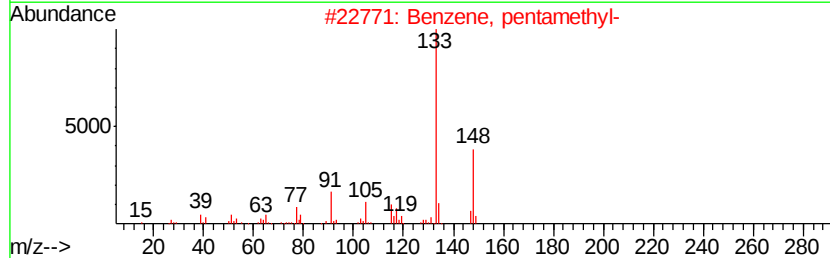
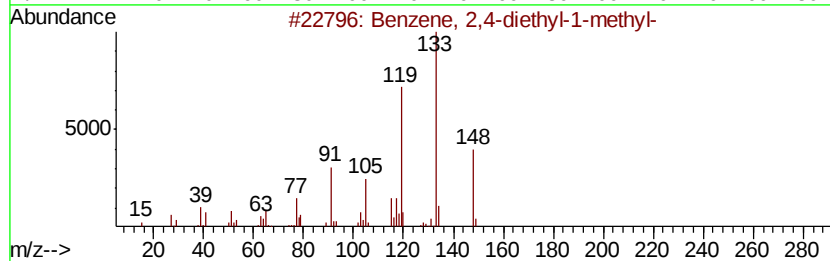
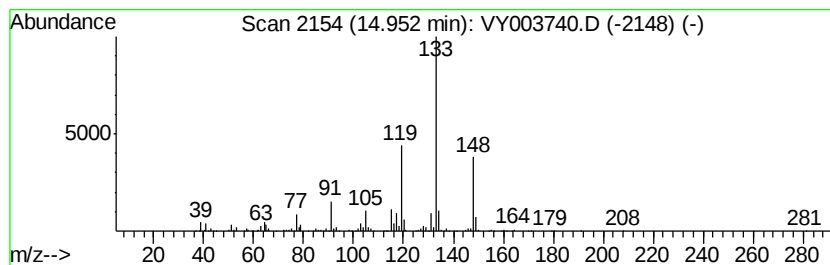
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Quant Title : VOC Analysis

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

Peak Number 29 Benzene, 2,4-diethyl-1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.95	48.59 ug/L	575701	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	74
2		Benzene, pentamethyl-	148	C11H16	000700-12-9	64
3		Benzene, pentamethyl-	148	C11H16	000700-12-9	62
4		Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	58
5		Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003740.D
Acq On : 11 Dec 2020 20:14
Operator : SY/MD
Sample : L5063-08
Misc : 4.71G/10ML/MSVOA Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AE0

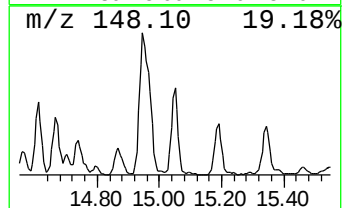
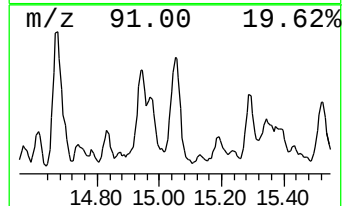
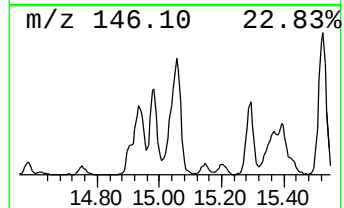
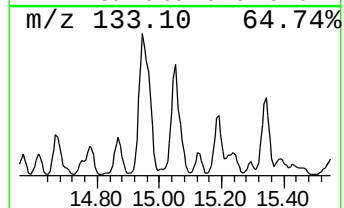
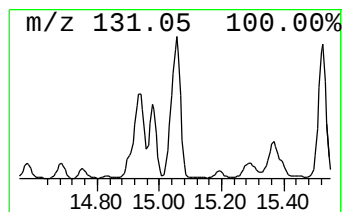
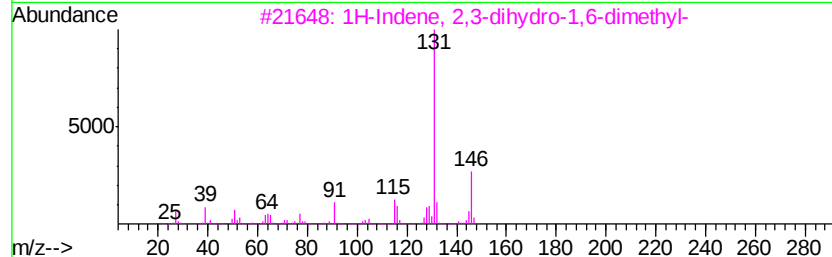
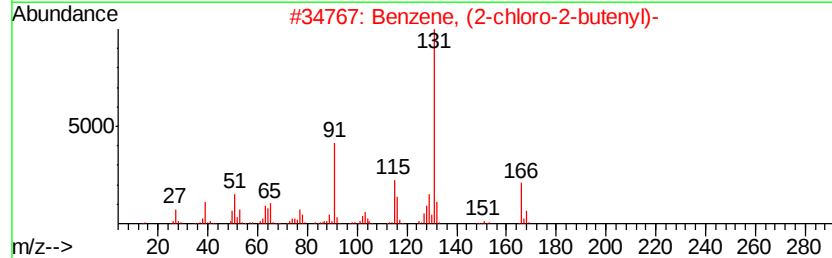
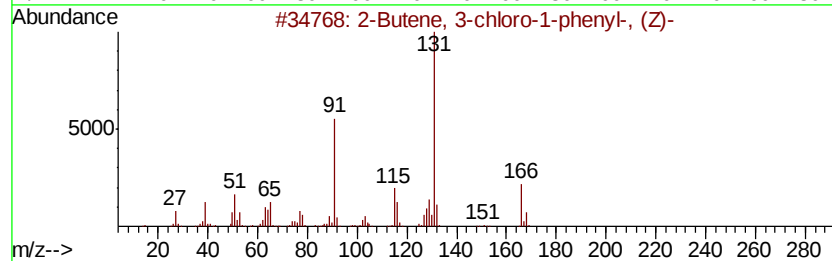
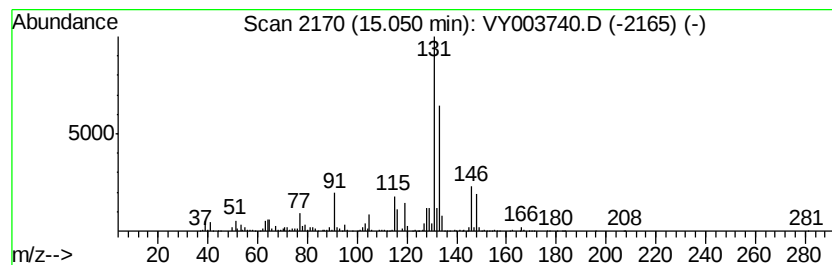
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Quant Title : VOC Analysis

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

Peak Number 30 2-Butene, 3-chloro-1-phenyl... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.05	80.26 ug/L	950989	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Butene, 3-chloro-1-phenyl-, (Z)-	166	C10H11Cl	016608-68-7	90
2		Benzene, (2-chloro-2-butenyl)-	166	C10H11Cl	054411-12-0	70
3		1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	64
4		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	64
5		1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003740.D
Acq On : 11 Dec 2020 20:14
Operator : SY/MD
Sample : L5063-08
Misc : 4.71G/10ML/MSVOA Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AE0

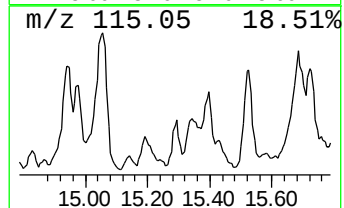
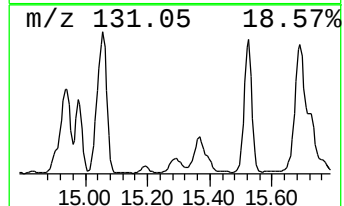
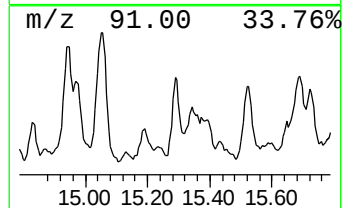
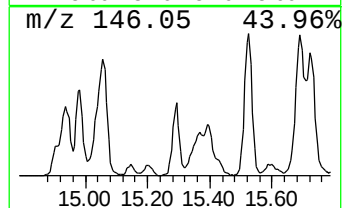
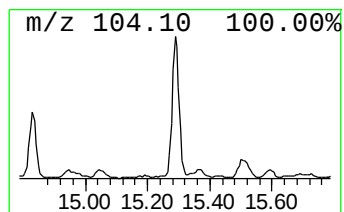
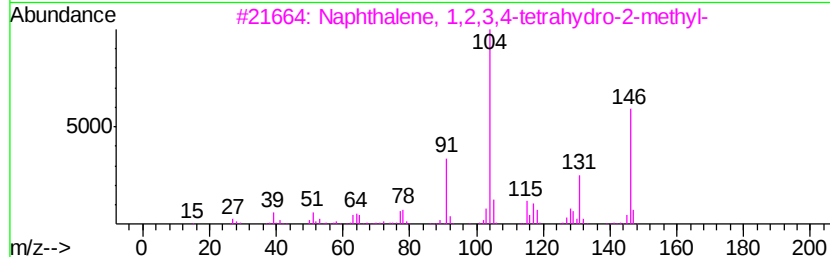
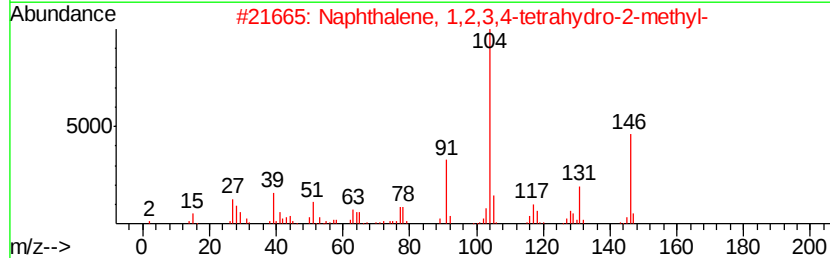
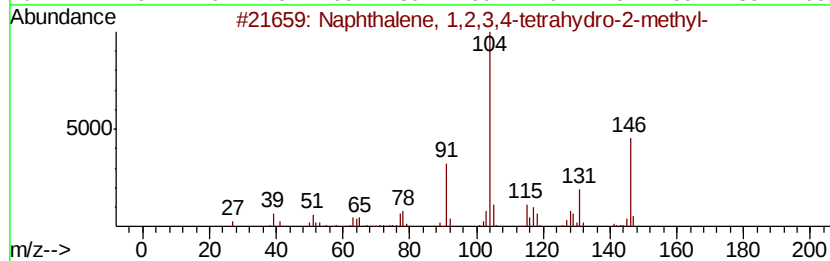
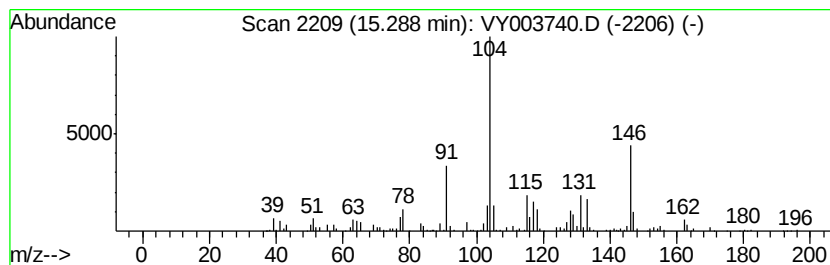
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Quant Title : VOC Analysis

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

Peak Number 31 Naphthalene, 1,2,3,4-tetra... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.29	17.97 ug/L	212943	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	87
2		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	83
3		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	81
4		2(1H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000530-93-8	74
5		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	74



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003740.D
Acq On : 11 Dec 2020 20:14
Operator : SY/MD
Sample : L5063-08
Misc : 4.71G/10ML/MSVOA Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AE0

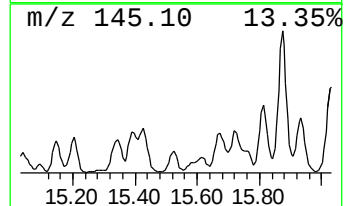
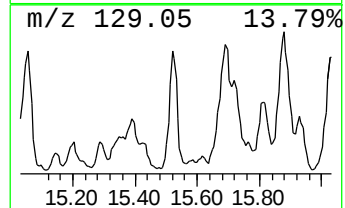
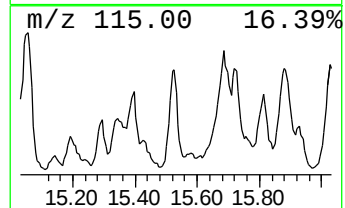
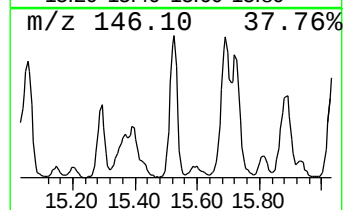
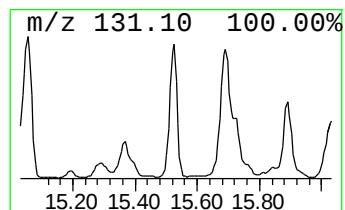
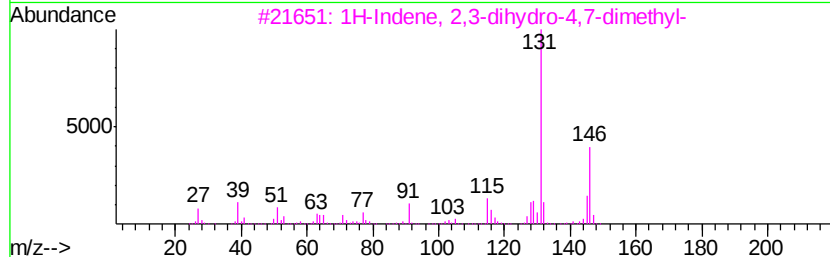
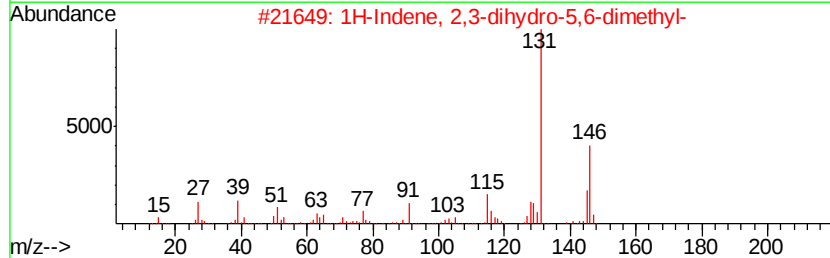
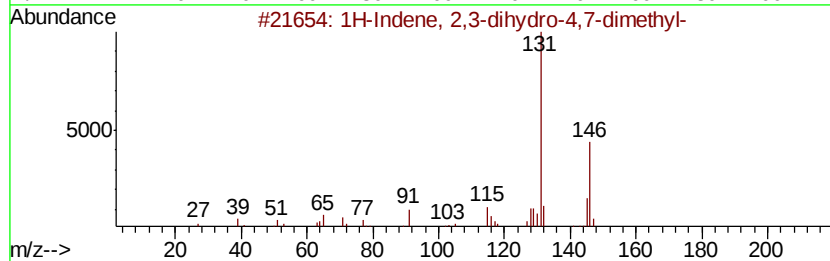
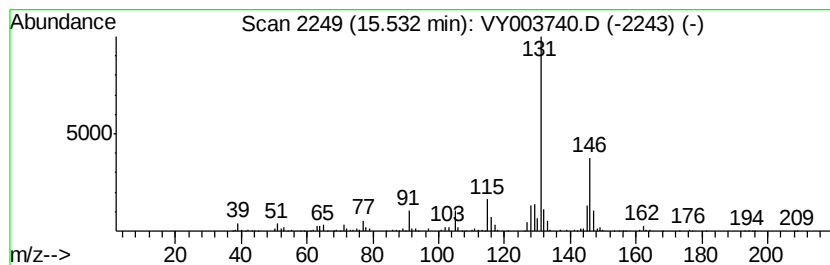
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Quant Title : VOC Analysis

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

Peak Number 32 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.53	44.46 ug/L	526758	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	96
2		1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	96
3		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
4		1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	94
5		1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003740.D
Acq On : 11 Dec 2020 20:14
Operator : SY/MD
Sample : L5063-08
Misc : 4.71G/10ML/MSVOA Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AE0

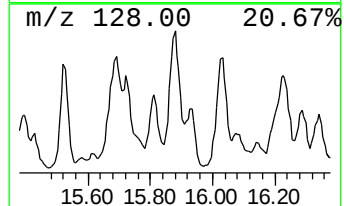
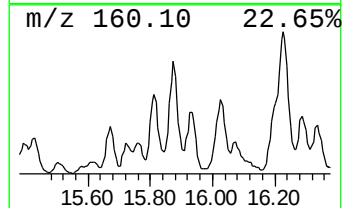
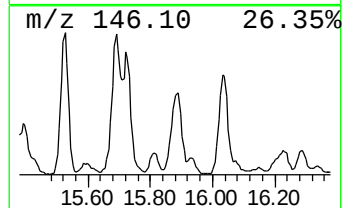
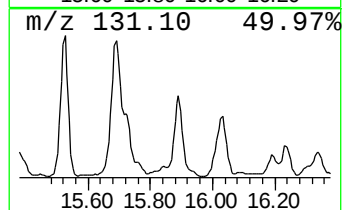
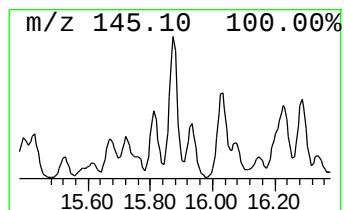
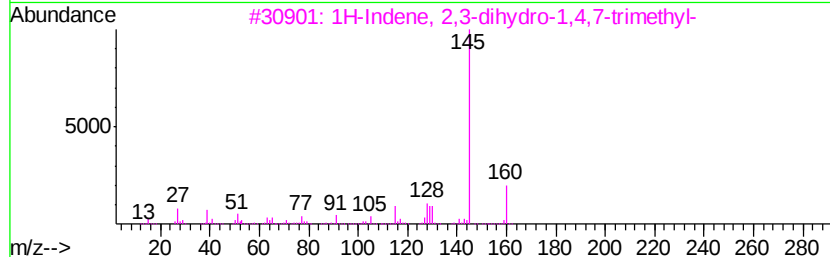
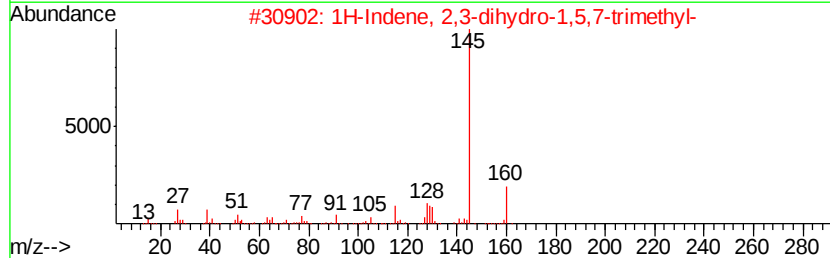
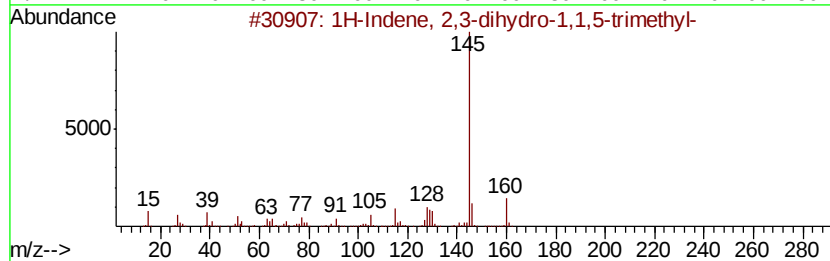
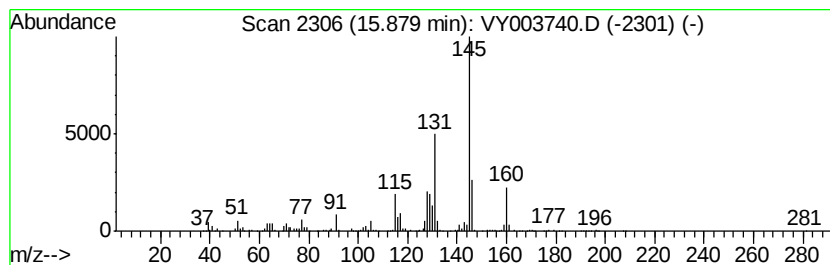
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Quant Title : VOC Analysis

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

Peak Number 33 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.88	52.21 ug/L	618672	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	76
2		1H-Indene, 2,3-dihydro-1,5,7-tri...	160	C12H16	054340-88-4	70
3		1H-Indene, 2,3-dihydro-1,4,7-tri...	160	C12H16	054340-87-3	70
4		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	62
5		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	62



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003740.D
Acq On : 11 Dec 2020 20:14
Operator : SY/MD
Sample : L5063-08
Misc : 4.71G/10ML/MSVOA Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AE0

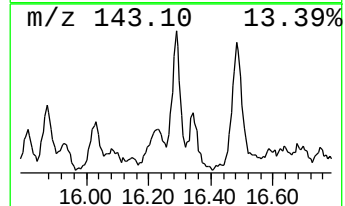
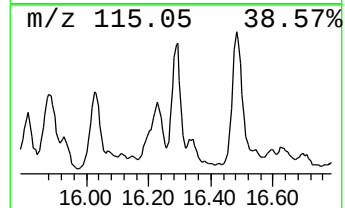
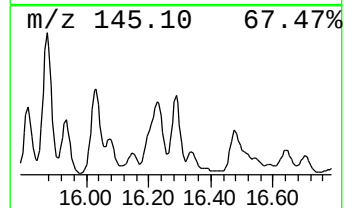
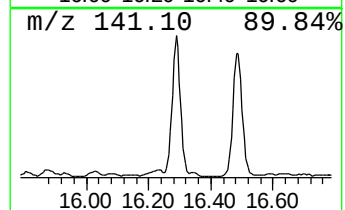
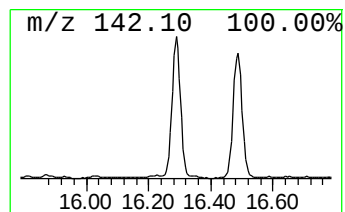
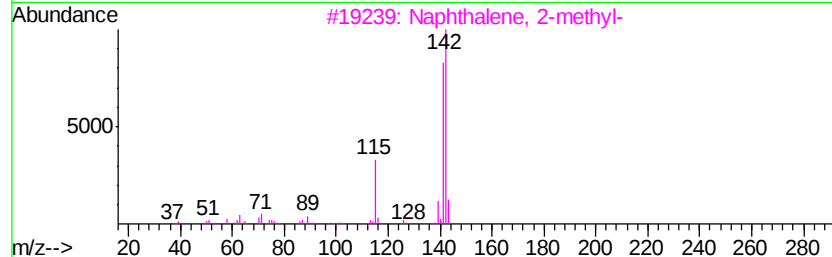
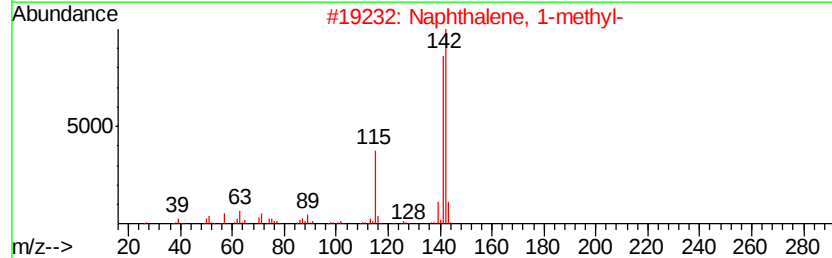
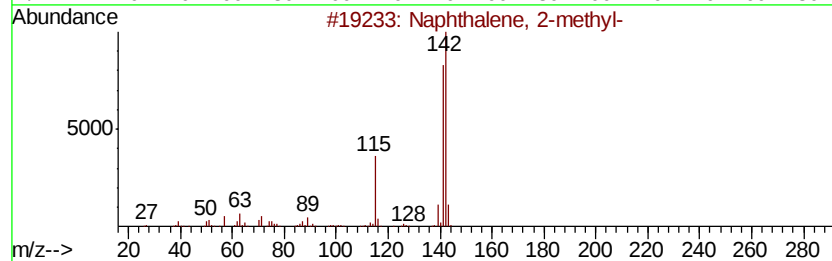
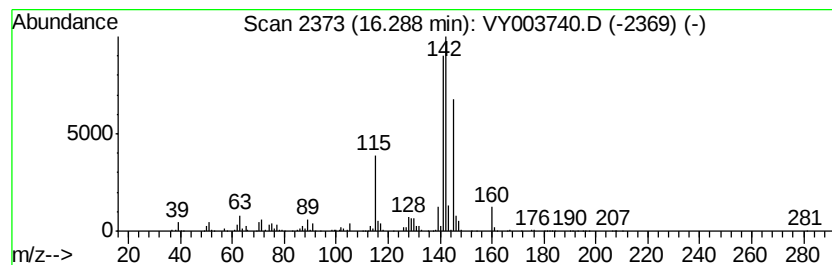
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Quant Title : VOC Analysis

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

Peak Number 34 Bicyclo[4.4.1]undeca-1,3,5,... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.29	39.17 ug/L	464098	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		1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	89
5		Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	89



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003740.D
Acq On : 11 Dec 2020 20:14
Operator : SY/MD
Sample : L5063-08
Misc : 4.71G/10ML/MSVOA Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AE0

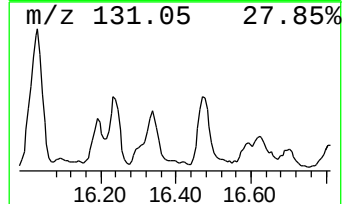
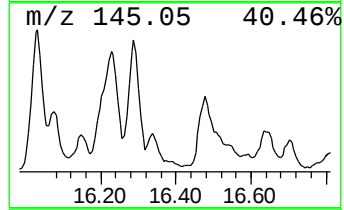
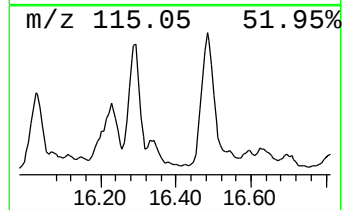
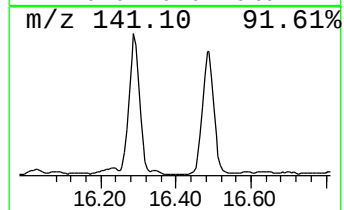
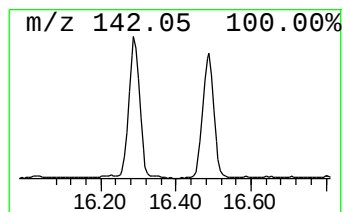
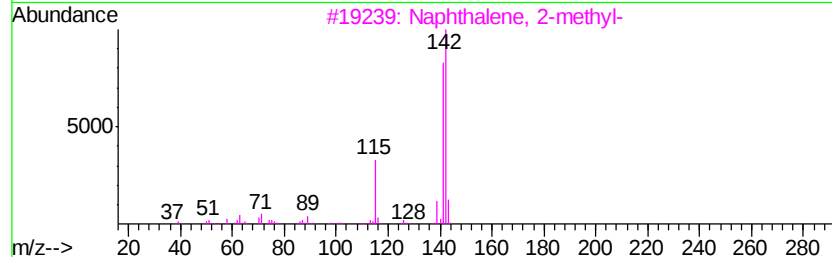
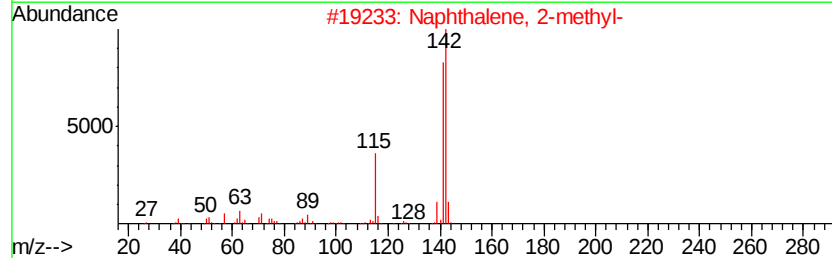
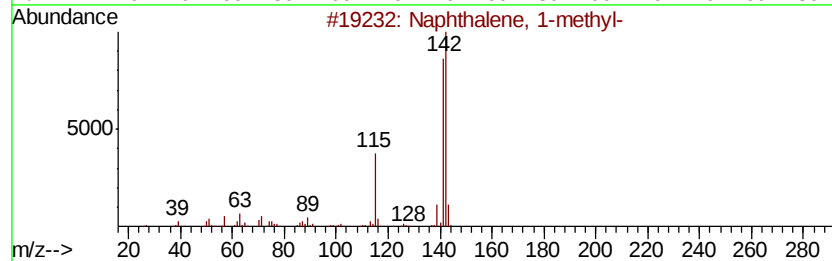
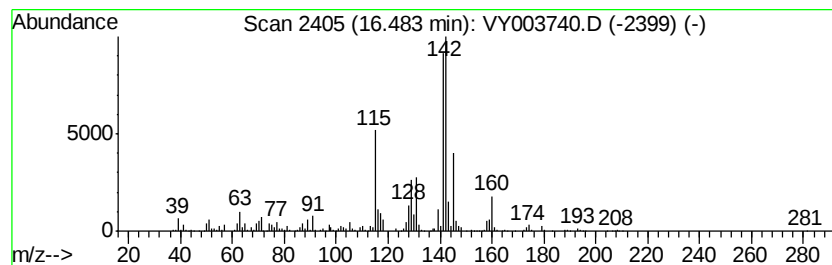
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

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

Peak Number 35 Naphthalene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.48	87.02 ug/L	1031080	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	92
2		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	92
3		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	90
4		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	83
5		Benzocycloheptatriene	142	C11H10	000264-09-5	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121120\
 Data File : VY003740.D
 Acq On : 11 Dec 2020 20:14
 Operator : SY/MD
 Sample : L5063-08
 Misc : 4.71G/10ML/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 C0AE0

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
unknown-01	10.95	2.4	ug/L	55413	2	11.49	586094	25.0
(DEL) Alkane: Str...	12.23	1.7	ug/L	40364	2	11.49	586094	25.0
(DEL) Alkane: Str...	12.64	10.6	ug/L	125491	3	13.42	296229	25.0
(DEL) Alkane: Cyc...	12.73	4.2	ug/L	49380	3	13.42	296229	25.0
Benzene, 1,2,3-tr...	12.81	18.1	ug/L	214667	3	13.42	296229	25.0
Benzene, 1-ethyl-...	12.97	10.1	ug/L	119696	3	13.42	296229	25.0
unknown-02	13.12	3.6	ug/L	42859	3	13.42	296229	25.0
(DEL) Alkane: Str...	13.56	5.2	ug/L	61130	3	13.42	296229	25.0
Benzene, 1,2,3,5-...	13.66	16.1	ug/L	190359	3	13.42	296229	25.0
Benzene, 1-methyl...	13.82	6.8	ug/L	80437	3	13.42	296229	25.0
Benzene, 2-ethyl-...	13.88	11.0	ug/L	130659	3	13.42	296229	25.0
o-Cymene	13.97	16.9	ug/L	200487	3	13.42	296229	25.0
Benzene, 2-butenyl-	14.08	20.9	ug/L	247584	3	13.42	296229	25.0
3,4-Dimethylcumene	14.13	15.1	ug/L	178468	3	13.42	296229	25.0
Benzene, 4-ethyl-...	14.21	8.7	ug/L	102942	3	13.42	296229	25.0
trans-Decalin, 2-...	14.25	15.7	ug/L	186311	3	13.42	296229	25.0
Benzene, 1,2,3,4-...	14.29	9.5	ug/L	112681	3	13.42	296229	25.0
Benzene, 1-ethyl-...	14.33	40.5	ug/L	479324	3	13.42	296229	25.0
Benzene, 1,4-diet...	14.38	9.6	ug/L	113985	3	13.42	296229	25.0
Bicyclo[5.4.0]und...	14.42	22.4	ug/L	265060	3	13.42	296229	25.0
Benzene, 1-methyl...	14.61	16.6	ug/L	196497	3	13.42	296229	25.0
Benzene, 1,2,4,5-...	14.67	90.1	ug/L	1067740	3	13.42	296229	25.0
Benzene, (1,1-dim...	14.73	13.2	ug/L	156342	3	13.42	296229	25.0
Benzene, 2,4-diet...	14.95	48.6	ug/L	575701	3	13.42	296229	25.0
2-Butene, 3-chlor...	15.05	80.3	ug/L	950989	3	13.42	296229	25.0
Naphthalene, 1,2,...	15.29	18.0	ug/L	212943	3	13.42	296229	25.0
1H-Indene, 2,3-di...	15.53	44.5	ug/L	526758	3	13.42	296229	25.0
1H-Indene, 2,3-di...	15.88	52.2	ug/L	618672	3	13.42	296229	25.0
Bicyclo[4.4.1]und...	16.29	39.2	ug/L	464098	3	13.42	296229	25.0
Naphthalene, 1-me...	16.48	87.0	ug/L	1031080	3	13.42	296229	25.0