

Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
 Data File : VY003738.D
 Acq On : 11 Dec 2020 19:29
 Operator : SY/MD
 Sample : L5063-07
 Misc : 4.69G/10ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 C0AD9

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	2.247	64	70	79	rBV	71450	115824	10.04%	0.852%
2	2.717	145	147	148	rBV2	983	637	0.06%	0.005%
3	2.771	149	156	168	rVV	63532	128210	11.12%	0.944%
4	3.046	198	201	203	rVB2	705	612	0.05%	0.005%
5	3.162	218	220	223	rVB2	513	618	0.05%	0.005%
6	3.253	231	235	239	rBV5	1197	2326	0.20%	0.017%
7	3.387	255	257	259	rVB3	518	492	0.04%	0.004%
8	3.454	264	268	271	rVV3	443	501	0.04%	0.004%
9	3.491	271	274	276	rVB2	585	546	0.05%	0.004%
10	3.863	324	335	346	rBV	132618	357863	31.03%	2.634%
11	4.198	384	390	391	rBV3	3392	4569	0.40%	0.034%
12	4.418	421	426	427	rBV3	778	973	0.08%	0.007%
13	4.735	468	478	489	rBV2	9061	28627	2.48%	0.211%
14	5.058	529	531	534	rBV3	290	396	0.03%	0.003%
15	5.222	555	558	560	rVV2	707	814	0.07%	0.006%
16	5.253	562	563	565	rVV	864	627	0.05%	0.005%
17	5.521	603	607	610	rVB2	348	548	0.05%	0.004%
18	5.551	610	612	615	rBV	560	508	0.04%	0.004%
19	5.680	626	633	636	rBV3	470	833	0.07%	0.006%
20	5.753	636	645	646	rBV5	2347	4223	0.37%	0.031%
21	5.948	674	677	679	rVV2	325	393	0.03%	0.003%
22	6.143	704	709	712	rBV2	320	723	0.06%	0.005%
23	6.905	823	834	842	rBV	45180	129350	11.22%	0.952%
24	7.002	843	850	862	rVB2	18324	58589	5.08%	0.431%
25	7.198	880	882	886	rVB3	792	954	0.08%	0.007%
26	7.490	918	930	944	rVB	179079	440814	38.22%	3.244%
27	7.600	945	948	949	rBV2	502	396	0.03%	0.003%
28	7.862	989	991	994	rBV3	449	507	0.04%	0.004%
29	7.941	1003	1004	1009	rBV2	265	473	0.04%	0.003%
30	8.002	1012	1014	1018	rVB3	591	685	0.06%	0.005%
31	8.118	1023	1033	1048	rBV2	366417	1106771	95.96%	8.145%
32	8.344	1069	1070	1074	rVB2	635	690	0.06%	0.005%
33	8.533	1098	1101	1102	rBV3	447	385	0.03%	0.003%
34	8.697	1118	1128	1141	rVB	316979	625515	54.24%	4.603%

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Integration Parameters: LSCINT.P

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Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
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35	8.837	1149	1151	1156	rVB4	282	375	0.03%	0.003%
36	8.929	1158	1166	1174	rBV2	10289	20582	1.78%	0.151%
37	9.124	1189	1198	1209	rBV	244734	486907	42.22%	3.583%
38	9.520	1257	1263	1267	rBV3	1577	3264	0.28%	0.024%
39	9.758	1300	1302	1304	rVV2	451	378	0.03%	0.003%
40	9.825	1309	1313	1315	rVV3	421	468	0.04%	0.003%
41	9.892	1315	1324	1332	rVV	140535	238147	20.65%	1.753%
42	9.977	1335	1338	1345	rVB4	1434	2587	0.22%	0.019%
43	10.081	1349	1355	1358	rBV6	1050	1980	0.17%	0.015%
44	10.112	1358	1360	1363	rBV2	487	464	0.04%	0.003%
45	10.179	1363	1371	1378	rVV	382364	660385	57.26%	4.860%
46	10.246	1378	1382	1388	rVV	25760	42961	3.72%	0.316%
47	10.355	1395	1400	1401	rBV3	508	737	0.06%	0.005%
48	10.374	1401	1403	1407	rVB3	760	792	0.07%	0.006%
49	10.441	1407	1414	1423	rBV	86652	146186	12.68%	1.076%
50	10.532	1424	1429	1431	rVV5	891	1609	0.14%	0.012%
51	10.581	1431	1437	1448	rVB	35476	62540	5.42%	0.460%
52	10.666	1448	1451	1453	rBV4	518	659	0.06%	0.005%
53	10.721	1455	1460	1464	rVB5	2293	3487	0.30%	0.026%
54	10.788	1464	1471	1481	rBV	193414	296126	25.68%	2.179%
55	10.953	1492	1498	1508	rVV	26439	57856	5.02%	0.426%
56	11.038	1508	1512	1515	rVV5	3528	6144	0.53%	0.045%
57	11.093	1515	1521	1526	rVB4	6398	12476	1.08%	0.092%
58	11.142	1526	1529	1532	rBV5	995	1598	0.14%	0.012%
59	11.197	1532	1538	1543	rVB7	2615	5026	0.44%	0.037%
60	11.319	1550	1558	1564	rVB3	23869	48156	4.18%	0.354%
61	11.380	1564	1568	1574	rBV5	2280	3859	0.33%	0.028%
62	11.489	1579	1586	1594	rBV	311121	502652	43.58%	3.699%
63	11.593	1596	1603	1605	rBV5	3627	6491	0.56%	0.048%
64	11.624	1605	1608	1612	rVB5	4483	5733	0.50%	0.042%
65	11.703	1612	1621	1625	rBV3	13735	36224	3.14%	0.267%
66	11.837	1638	1643	1648	rBV7	3922	7243	0.63%	0.053%
67	11.892	1650	1652	1655	rVV4	1640	2138	0.19%	0.016%
68	12.026	1663	1674	1679	rBV5	17825	57801	5.01%	0.425%
69	12.203	1694	1703	1705	rBV3	18450	34928	3.03%	0.257%
70	12.233	1705	1708	1714	rVB4	18709	35949	3.12%	0.265%
71	12.489	1745	1750	1755	rBV	42285	68370	5.93%	0.503%

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72	12.556	1756	1761	1767	rVV	161811	267391	23.18%	1.968%
73	12.642	1770	1775	1783	rVB3	54350	97676	8.47%	0.719%
74	12.733	1783	1790	1793	rBV3	42088	75796	6.57%	0.558%
75	12.806	1797	1802	1817	rVB3	96015	213471	18.51%	1.571%
76	12.971	1822	1829	1836	rBV2	38085	83601	7.25%	0.615%
77	13.038	1837	1840	1848	rBV7	22829	47270	4.10%	0.348%
78	13.117	1848	1853	1858	rBV	126796	196544	17.04%	1.446%
79	13.422	1898	1903	1906	rBV	136523	215965	18.73%	1.589%
80	13.568	1923	1927	1930	rBV3	30929	47800	4.14%	0.352%
81	13.623	1932	1936	1939	rBV	50846	75755	6.57%	0.557%
82	13.660	1939	1942	1947	rVB2	87616	113088	9.81%	0.832%
83	13.721	1948	1952	1954	rBV	132476	209197	18.14%	1.540%
84	13.885	1975	1979	1981	rBV	77018	111589	9.68%	0.821%
85	13.971	1989	1993	1999	rVB	110461	163603	14.19%	1.204%
86	14.074	2006	2010	2015	rVB	120467	183949	15.95%	1.354%
87	14.251	2036	2039	2043	rBV3	84505	125498	10.88%	0.924%
88	14.330	2049	2052	2056	rVB	168713	241598	20.95%	1.778%
89	14.379	2057	2060	2063	rBV2	81489	106896	9.27%	0.787%
90	14.422	2063	2067	2071	rVB2	166722	237364	20.58%	1.747%
91	14.611	2095	2098	2102	rVB	149179	197373	17.11%	1.452%
92	14.672	2103	2108	2114	rBV2	371471	775072	67.20%	5.704%
93	14.733	2114	2118	2124	rVB5	127875	225224	19.53%	1.657%
94	14.940	2148	2152	2155	rBV2	220362	358091	31.05%	2.635%
95	15.050	2165	2170	2178	rVB2	311495	641413	55.61%	4.720%
96	15.434	2230	2233	2241	rVB4	188576	330606	28.67%	2.433%
97	15.879	2301	2306	2312	rBV4	208587	476840	41.35%	3.509%
98	16.153	2348	2351	2355	rVB	122528	159652	13.84%	1.175%
99	16.287	2369	2373	2378	rVB	344373	577637	50.08%	4.251%
100	16.482	2399	2405	2419	rVB3	426216	1153317	100.00%	8.487%

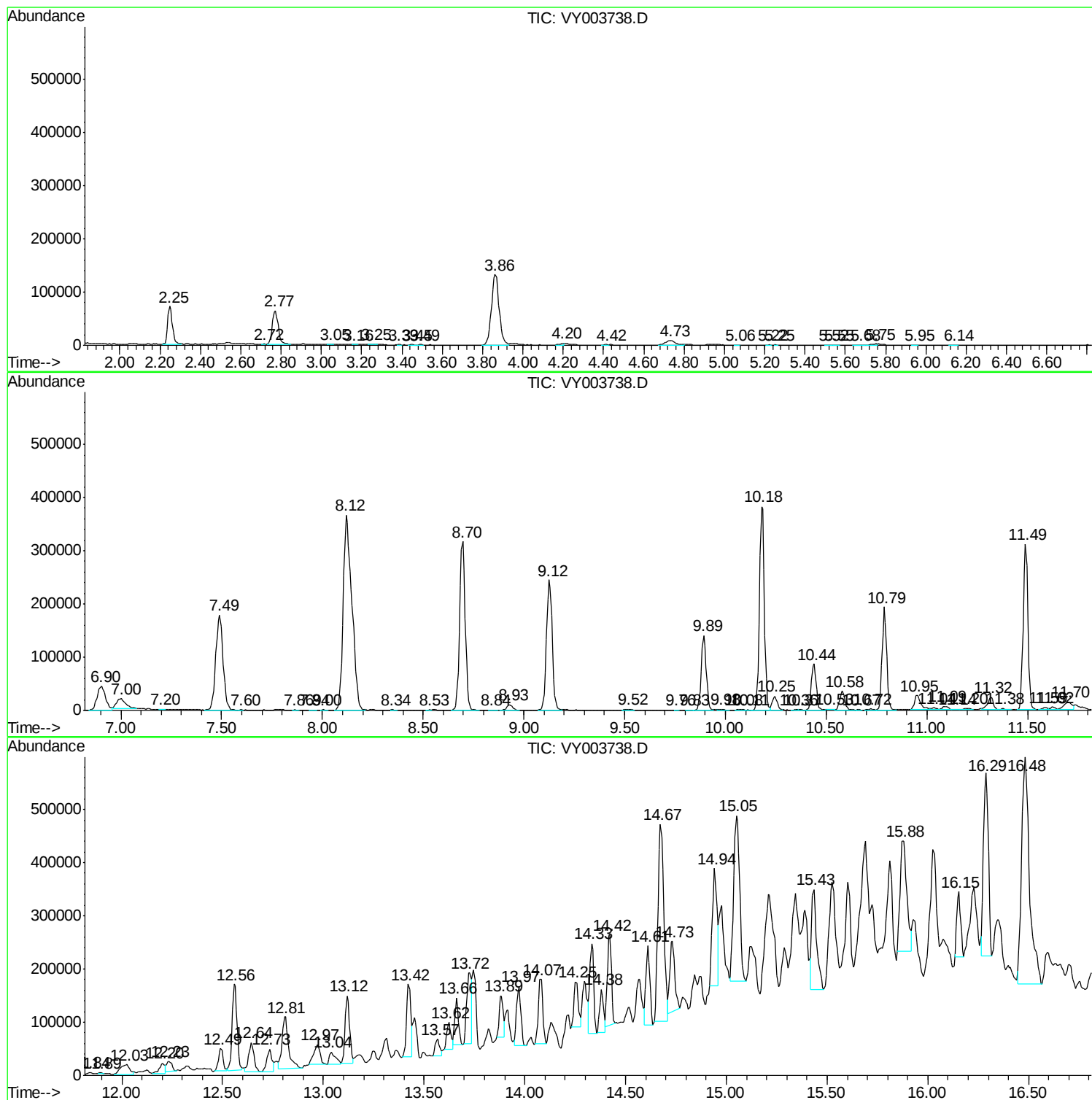
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Instrument :
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

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



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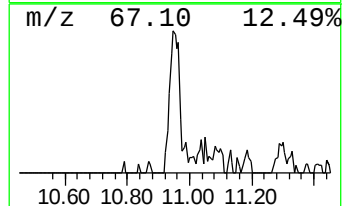
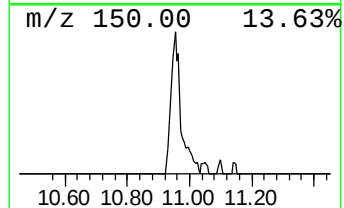
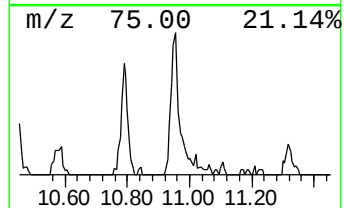
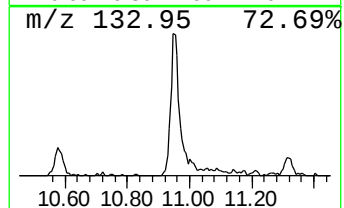
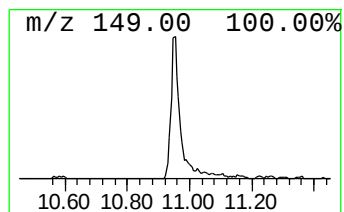
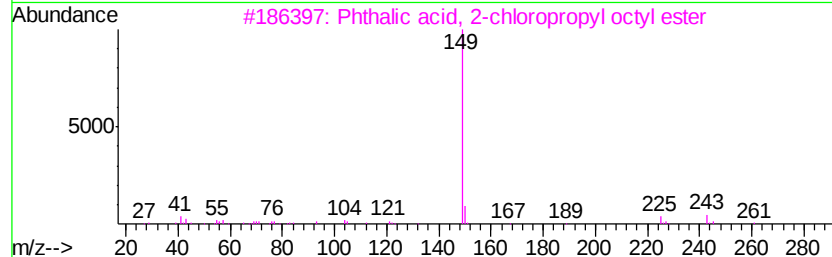
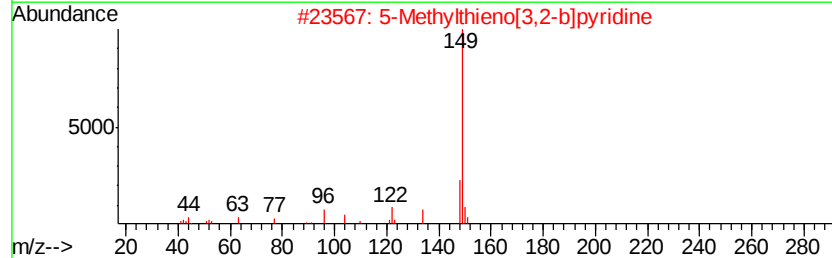
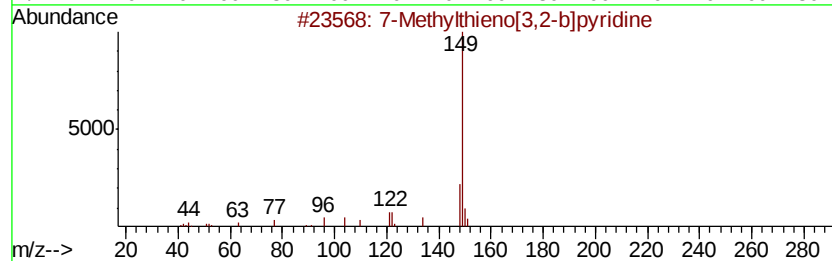
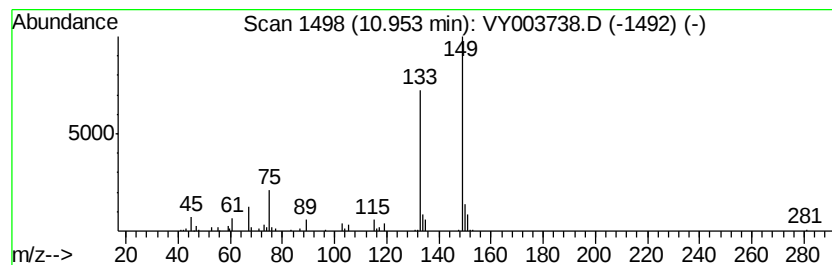
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

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

Peak Number 4 unknown-01 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.95	2.88 ug/L	57856	Chlorobenzene-d5	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	7-Methylthieno[3,2-b]pyridine	149	C8H7NS	013362-83-9	37
2		5-Methylthieno[3,2-b]pyridine	149	C8H7NS	001759-29-1	37
3		Phthalic acid, 2-chloropropyl octyl ester	354	C19H27ClO4	1000356-82-9	32
4		4-Methylthieno[2,3-b]pyridine	149	C8H7NS	013362-81-7	25
5		Silane, trimethyl(2-methylphenyl)-	164	C10H16Si	007450-03-5	25



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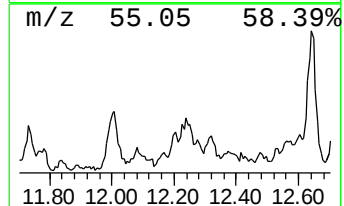
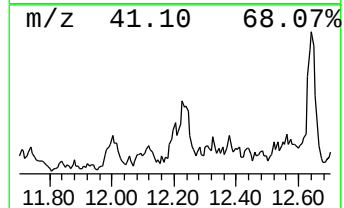
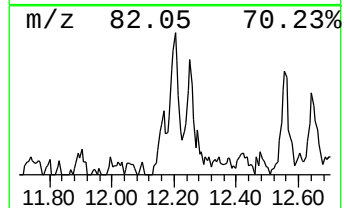
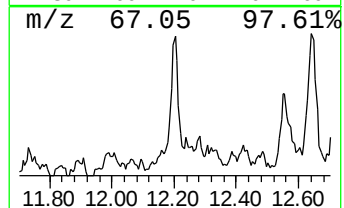
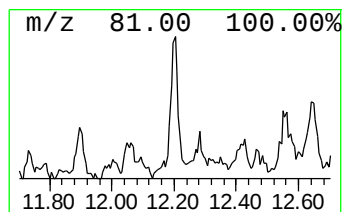
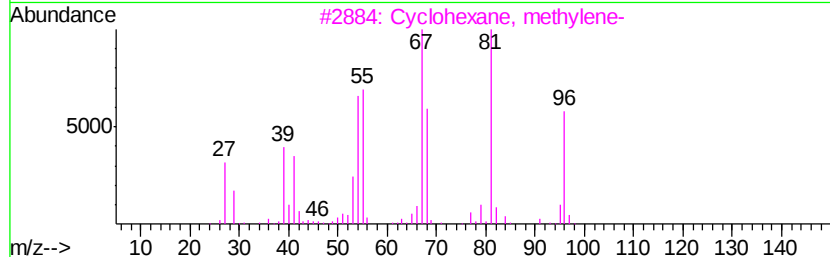
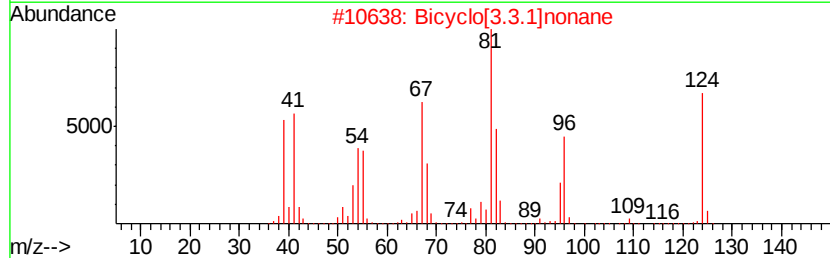
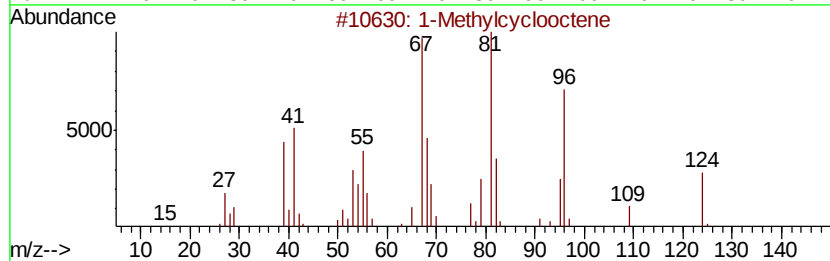
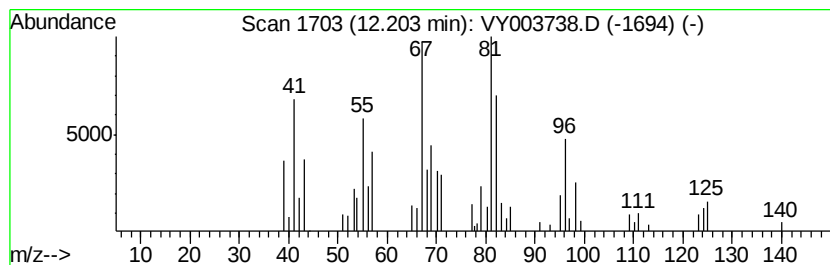
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Quant Title : VOC Analysis

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

Peak Number 6 1-Methylcyclooctene Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	1.74 ug/L	34928	Chlorobenzene-d5	11.49
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		1-Methylcyclooctene	124 C9H16	000933-11-9 93
2		Bicyclo[3.3.1]nonane	124 C9H16	000280-65-9 70
3		Cyclohexane, methylene-	96 C7H12	001192-37-6 64
4		Bicyclo[3.3.1]nonane	124 C9H16	000280-65-9 64
5		1H-Indene, octahydro-, cis-	124 C9H16	004551-51-3 62



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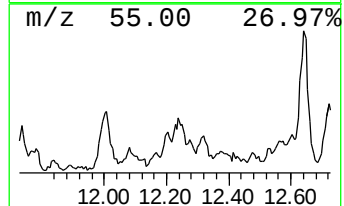
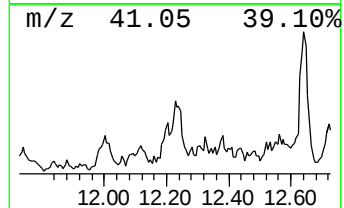
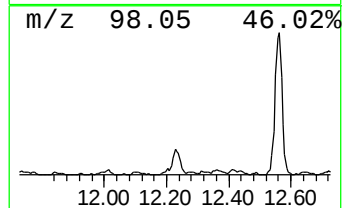
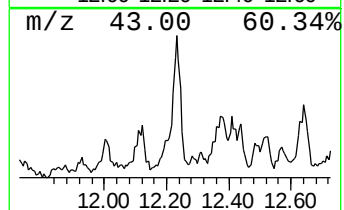
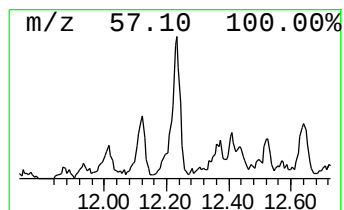
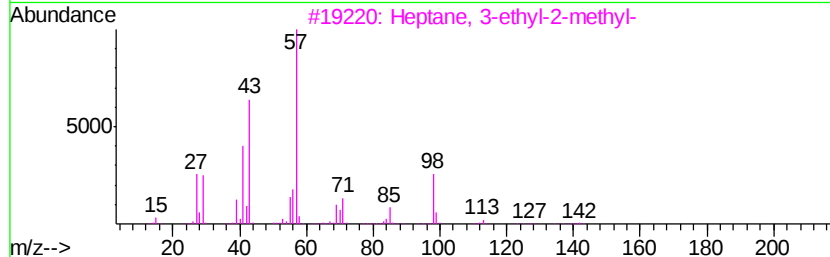
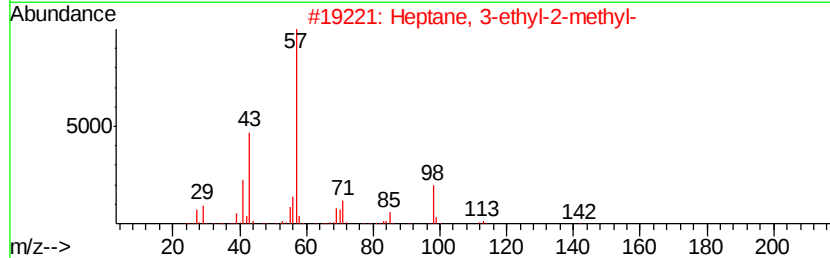
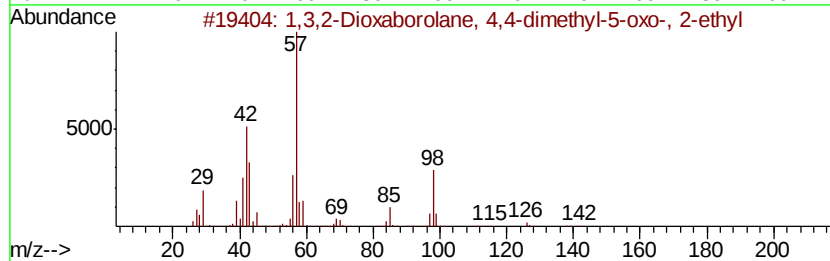
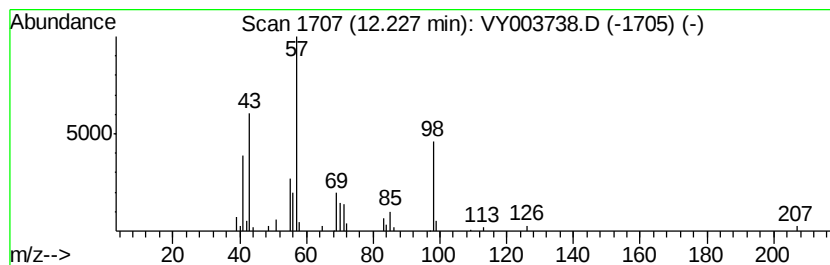
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Quant Title : VOC Analysis

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

Peak Number 7 1,3,2-Dioxaborolane, 4,4-di... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.23	1.79 ug/L	35949	Chlorobenzene-d5	11.49		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,2-Dioxaborolane, 4,4-dimethy...	142	C6H11B03	1000063-89-2	50	
2	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	50	
3	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	42	
4	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	38	
5	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	38	



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003738.D
Acq On : 11 Dec 2020 19:29
Operator : SY/MD
Sample : L5063-07
Misc : 4.69G/10ML/MSVOA Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

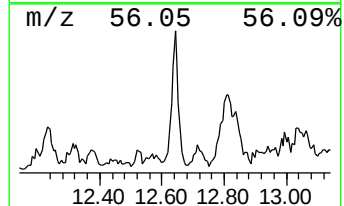
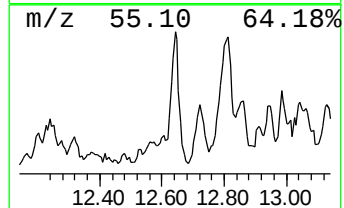
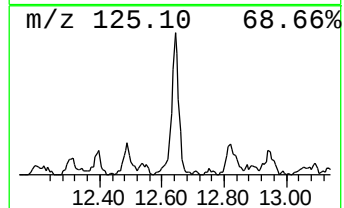
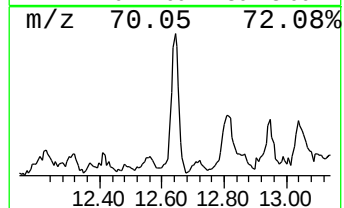
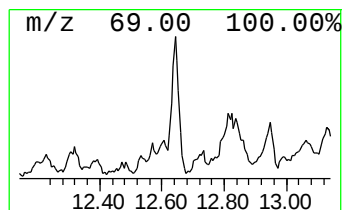
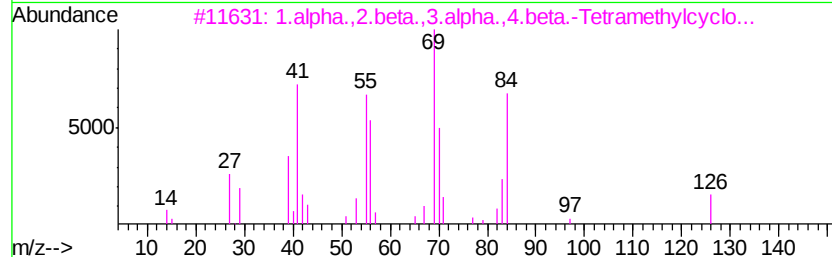
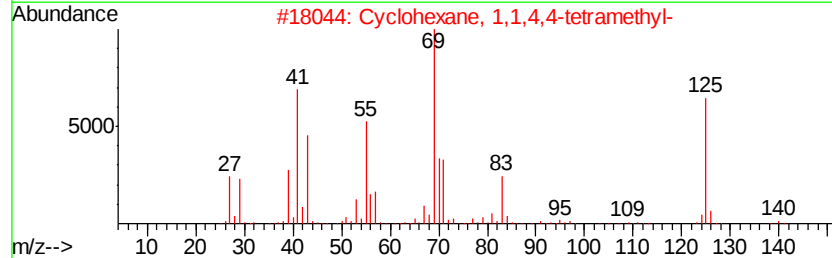
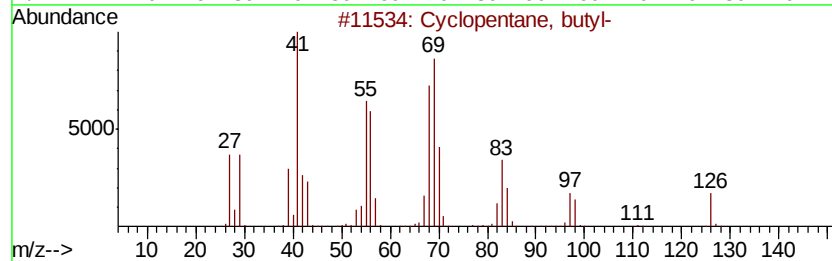
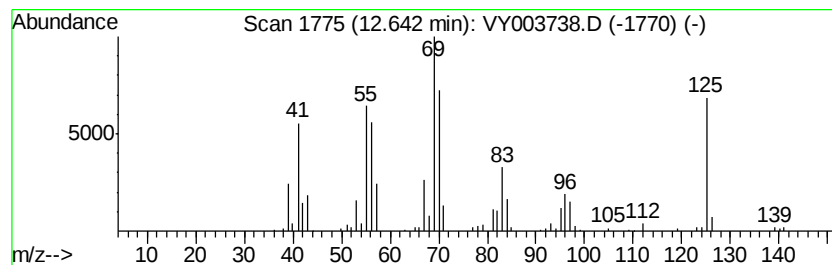
Instrument :
MSVOA_Y
ClientSampleId :
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

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

Peak Number 9 (DEL) Alkane: Cyclic12.64 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.64	11.31 ug/L	97676	1,4-Dichlorobenzene-d4	13.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclopentane, butyl-	126 C9H18	002040-95-1 64
2		Cyclohexane, 1,1,4,4-tetramethyl-	140 C10H20	002223-52-1 52
3		1.alpha.,2.beta.,3.alpha.,4.beta...	126 C9H18	002532-67-4 50
4		Cyclohexane, 1,1,3,5-tetramethyl...	140 C10H20	050876-31-8 47
5		cis-1-Butyl-2-methylcyclopropane	112 C8H16	038851-69-3 42



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003738.D
Acq On : 11 Dec 2020 19:29
Operator : SY/MD
Sample : L5063-07
Misc : 4.69G/10ML/MSVOA Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

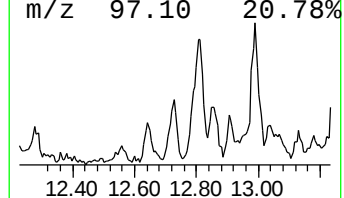
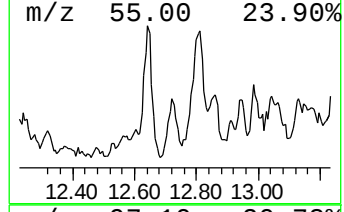
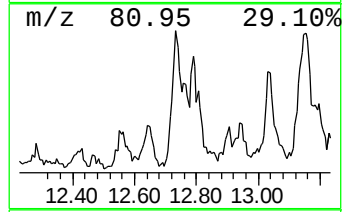
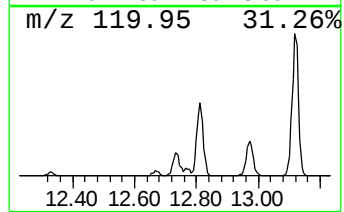
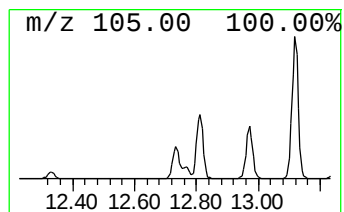
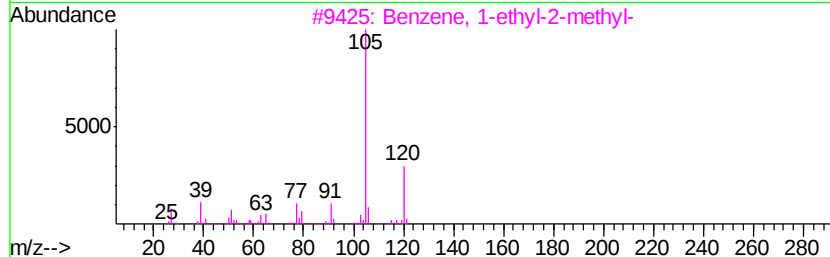
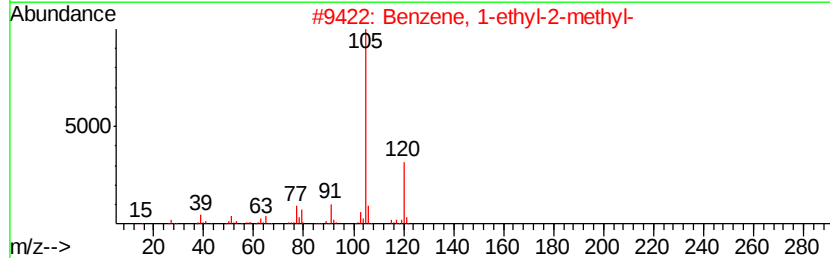
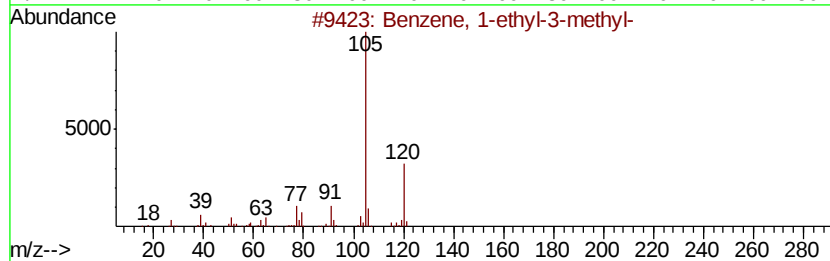
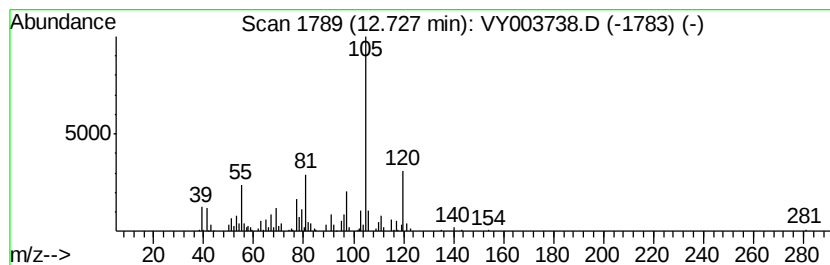
Instrument :
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ClientSampleId :
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

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

Peak Number 10 Benzene, 1-ethyl-3-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.73	8.77 ug/L	75796	1,4-Dichlorobenzene-d4	13.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, 1-ethyl-3-methyl-	120 C9H12	000620-14-4 95
2		Benzene, 1-ethyl-2-methyl-	120 C9H12	000611-14-3 94
3		Benzene, 1-ethyl-2-methyl-	120 C9H12	000611-14-3 92
4		Benzene, 1-ethyl-3-methyl-	120 C9H12	000620-14-4 83
5		Mesitylene	120 C9H12	000108-67-8 76



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003738.D
Acq On : 11 Dec 2020 19:29
Operator : SY/MD
Sample : L5063-07
Misc : 4.69G/10ML/MSVOA Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

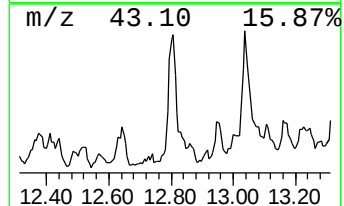
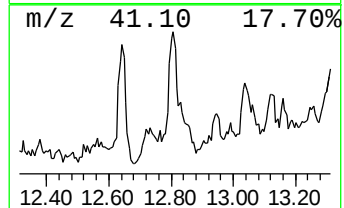
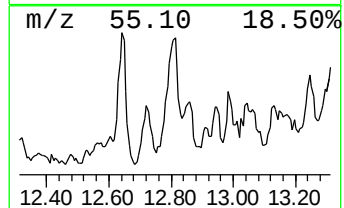
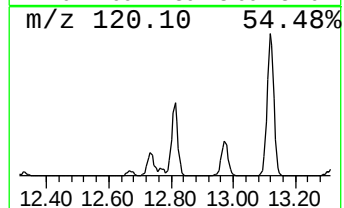
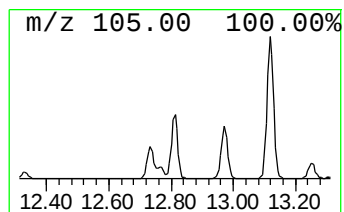
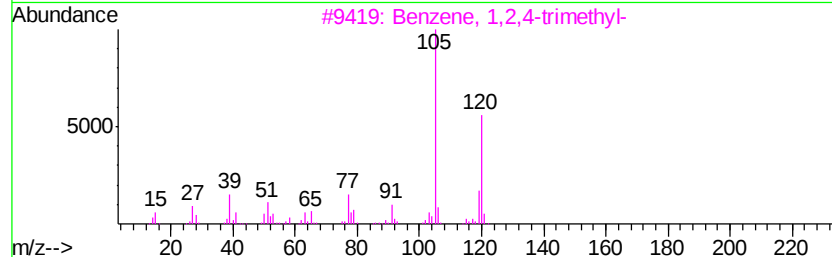
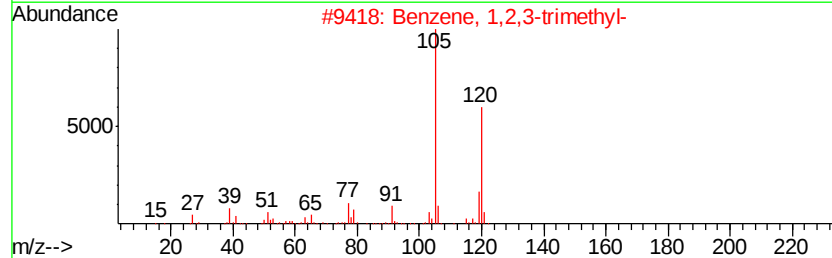
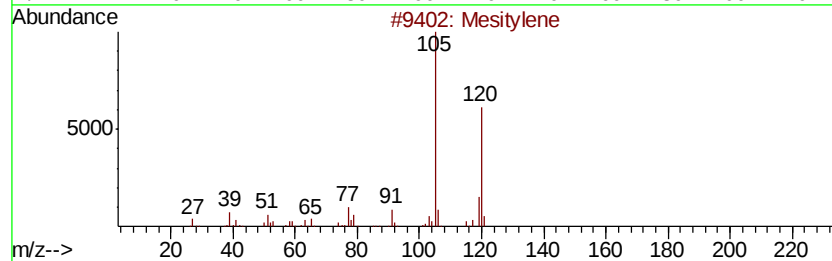
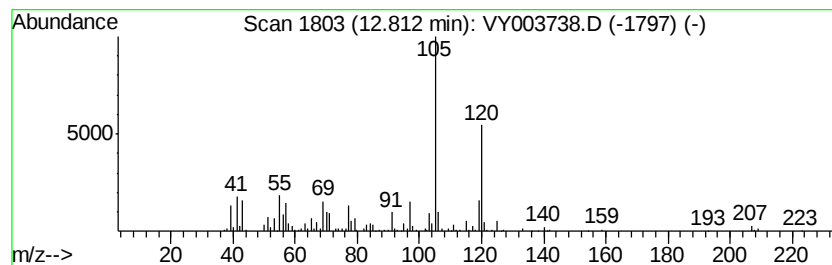
Instrument :
MSVOA_Y
ClientSampleId :
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

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

Peak Number 11 Mesitylene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.81	24.71 ug/L	213471	1,4-Dichlorobenzene-d4	13.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Mesitylene	120 C9H12	000108-67-8	95
2	Benzene, 1,2,3-trimethyl-	120 C9H12	000526-73-8	95
3	Benzene, 1,2,4-trimethyl-	120 C9H12	000095-63-6	94
4	Benzene, 1,2,3-trimethyl-	120 C9H12	000526-73-8	94
5	Mesitylene	120 C9H12	000108-67-8	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003738.D
Acq On : 11 Dec 2020 19:29
Operator : SY/MD
Sample : L5063-07
Misc : 4.69G/10ML/MSVOA Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
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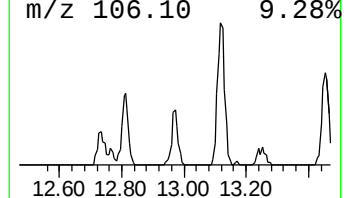
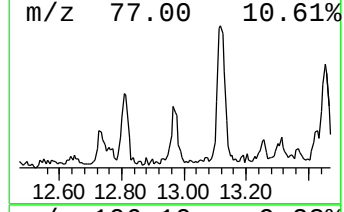
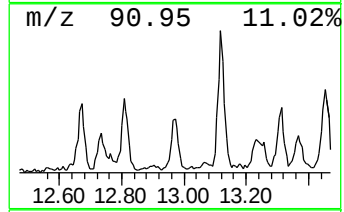
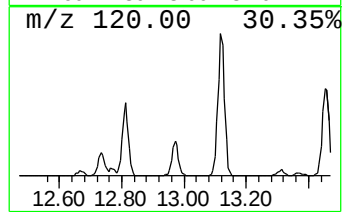
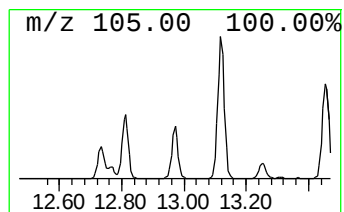
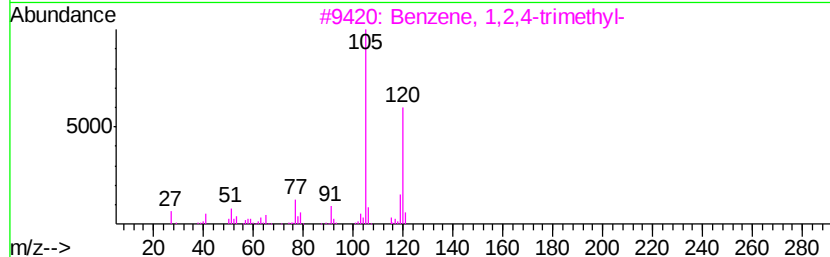
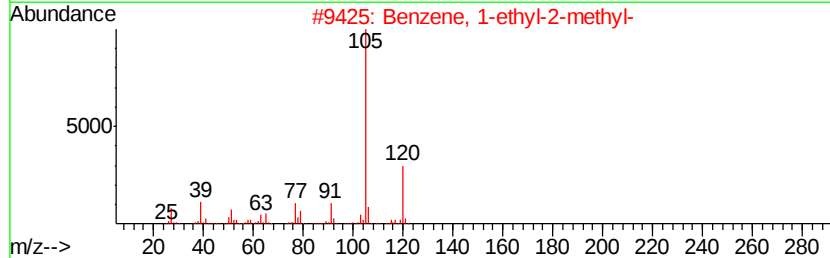
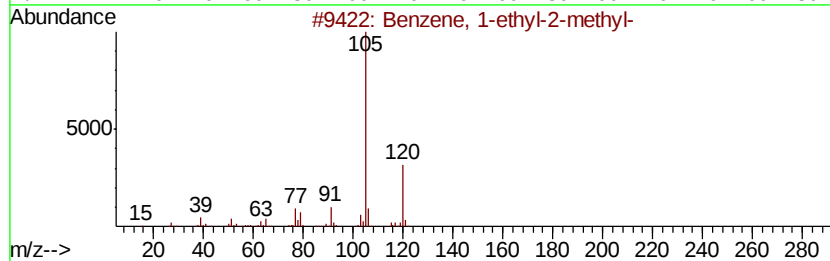
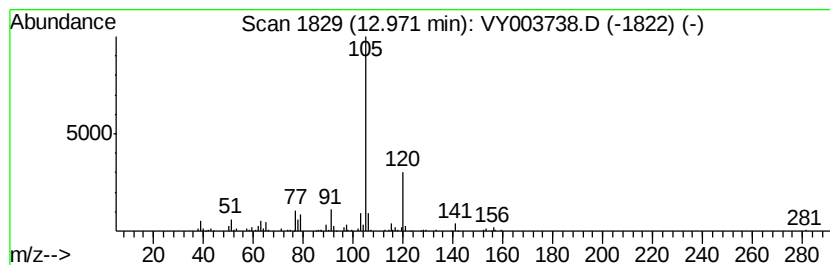
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Quant Title : VOC Analysis

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

Peak Number 12 Benzene, 1-ethyl-2-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.97	9.68 ug/L	83601	1,4-Dichlorobenzene-d4	13.42

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
2			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
3			Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	87
4			Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	87
5			Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003738.D
Acq On : 11 Dec 2020 19:29
Operator : SY/MD
Sample : L5063-07
Misc : 4.69G/10ML/MSVOA Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

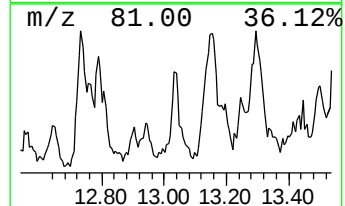
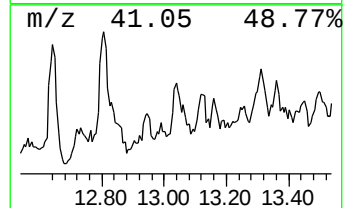
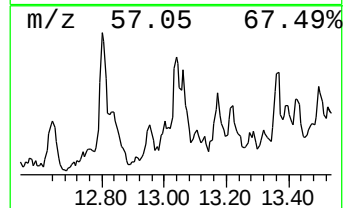
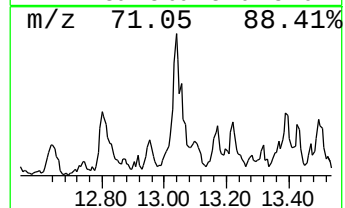
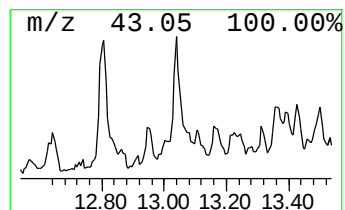
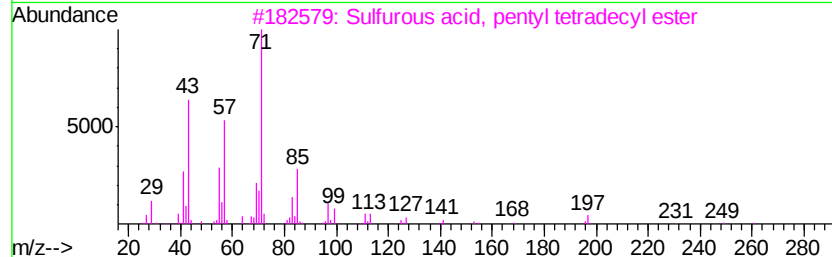
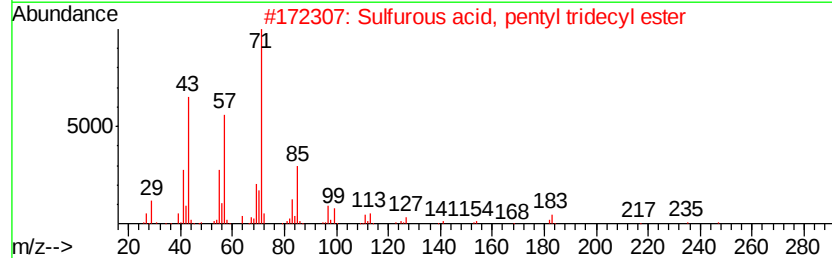
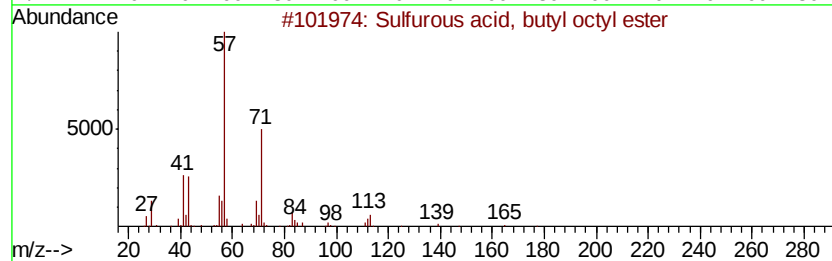
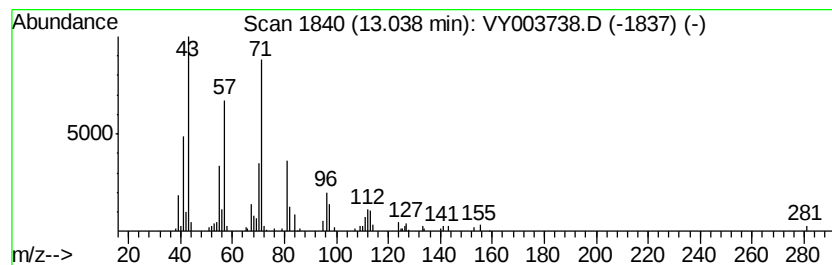
Instrument :
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ClientSampleId :
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

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

Peak Number 13 Sulfurous acid, butyl octyl... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.04	5.47 ug/L	47270	1,4-Dichlorobenzene-d4	13.42		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, butyl octyl ester	250	C12H26O3S	1000309-17-5	50	
2	Sulfurous acid, pentyl tridecyl ...	334	C18H38O3S	1000309-14-6	50	
3	Sulfurous acid, pentyl tetradecyl...	348	C19H40O3S	1000309-14-7	50	
4	Sulfurous acid, hexadecyl pentyl...	376	C21H44O3S	1000309-14-9	50	
5	Sulfurous acid, pentadecyl penty...	362	C20H42O3S	1000309-14-8	50	



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003738.D
Acq On : 11 Dec 2020 19:29
Operator : SY/MD
Sample : L5063-07
Misc : 4.69G/10ML/MSVOA Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

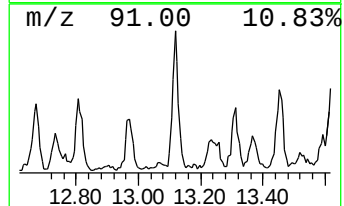
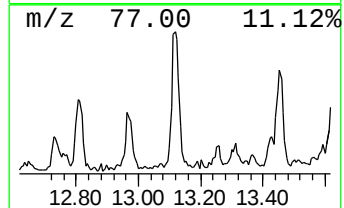
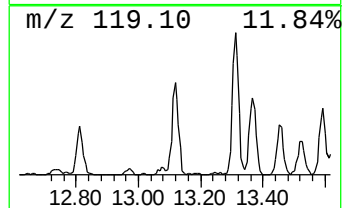
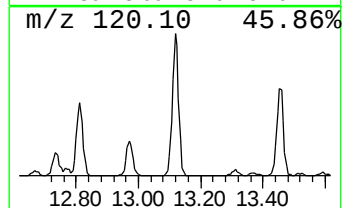
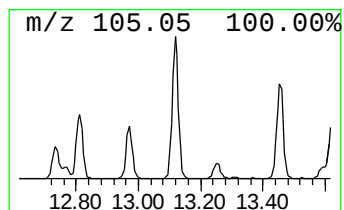
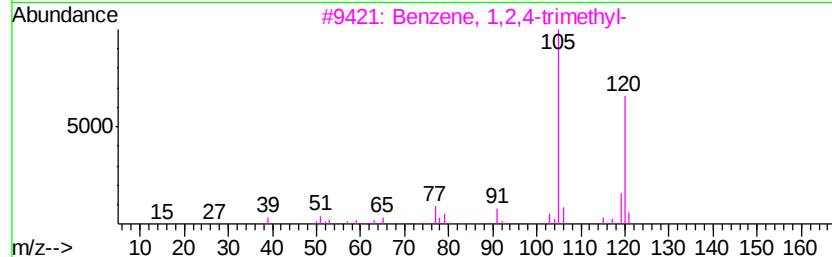
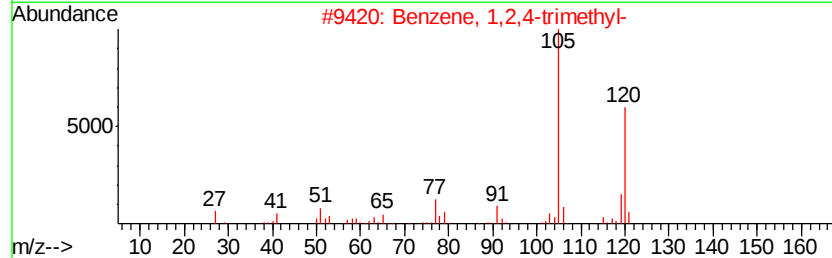
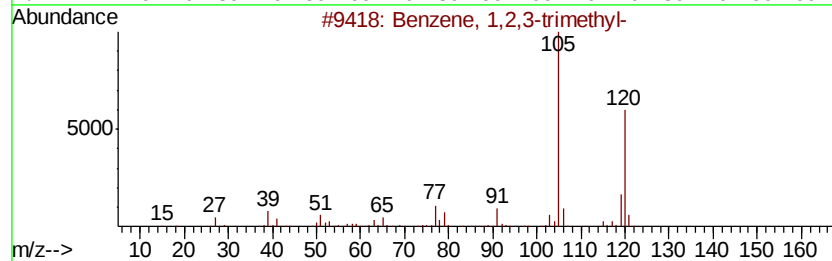
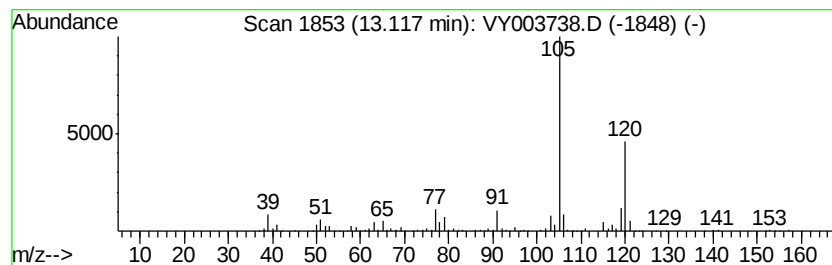
Instrument :
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ClientSampleId :
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

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

Peak Number 14 Benzene, 1,2,3-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	22.75 ug/L	196544	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 97
2		Benzene, 1,2,4-trimethyl-	120 C9H12	000095-63-6 95
3		Benzene, 1,2,4-trimethyl-	120 C9H12	000095-63-6 94
4		Mesitylene	120 C9H12	000108-67-8 94
5		Benzene, 1,2,3-trimethyl-	120 C9H12	000526-73-8 94



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003738.D
Acq On : 11 Dec 2020 19:29
Operator : SY/MD
Sample : L5063-07
Misc : 4.69G/10ML/MSVOA Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

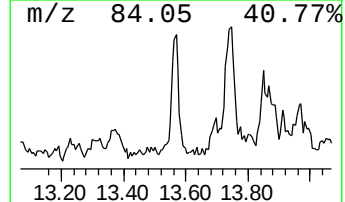
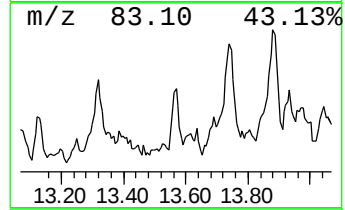
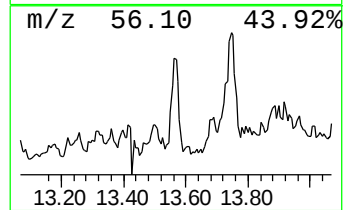
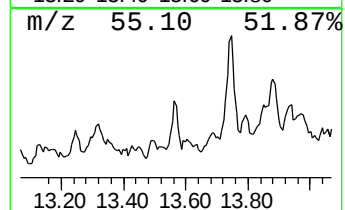
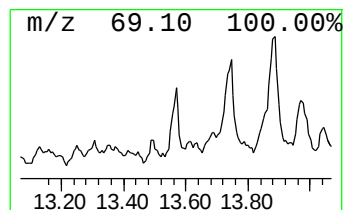
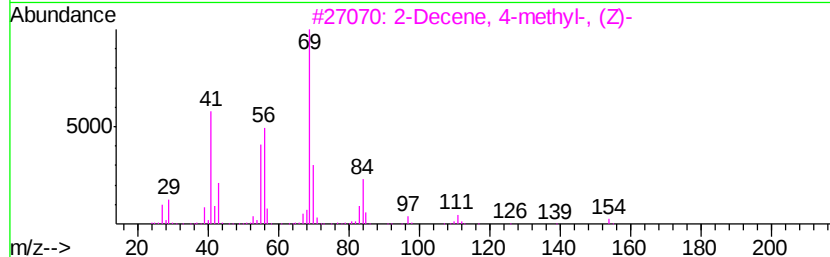
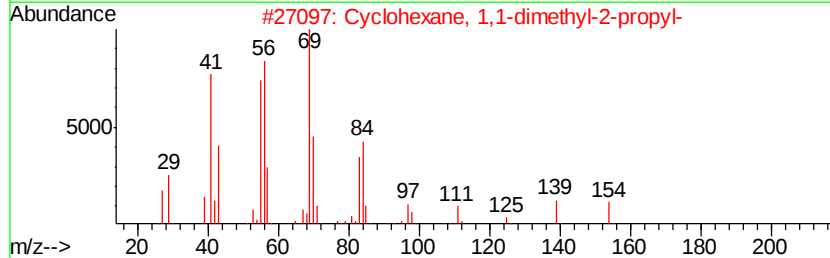
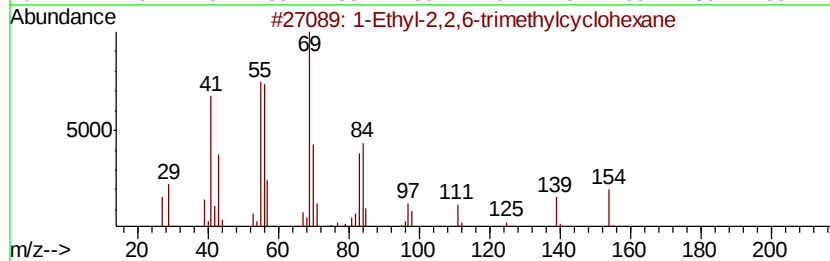
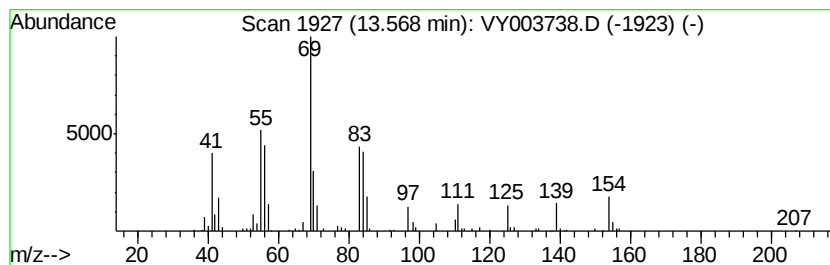
Instrument :
MSVOA_Y
ClientSampleId :
C0AD9

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Quant Title : VOC Analysis

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

Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.57	5.53 ug/L	47800	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	94
2	Cyclohexane, 1,1-dimethyl-2-propyl-	154 C11H22	081983-71-3	90
3	2-Decene, 4-methyl-, (Z)-	154 C11H22	074630-30-1	81
4	Nonane, 2-methyl-3-methylene-	154 C11H22	055499-08-6	64
5	2-Dodecene, 4-methyl-	182 C13H26	056851-45-7	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003738.D
Acq On : 11 Dec 2020 19:29
Operator : SY/MD
Sample : L5063-07
Misc : 4.69G/10ML/MSVOA Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD9

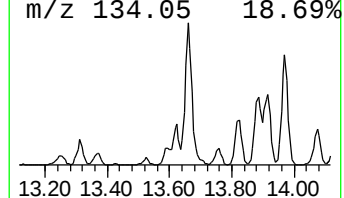
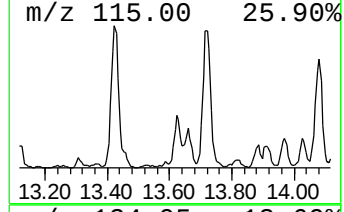
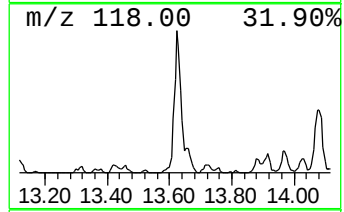
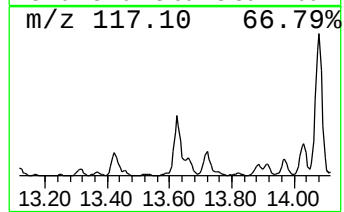
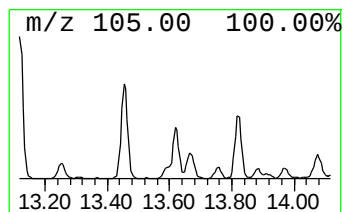
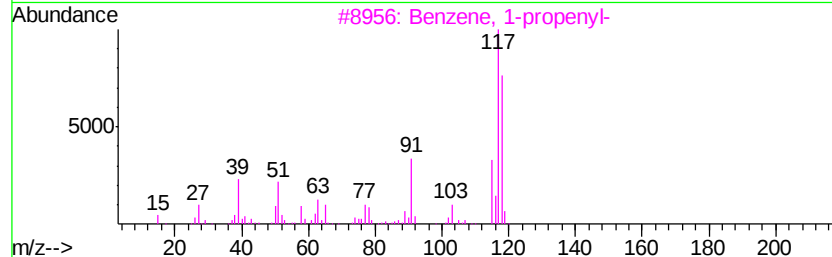
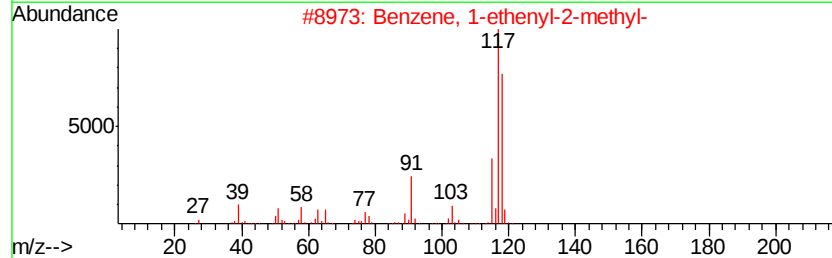
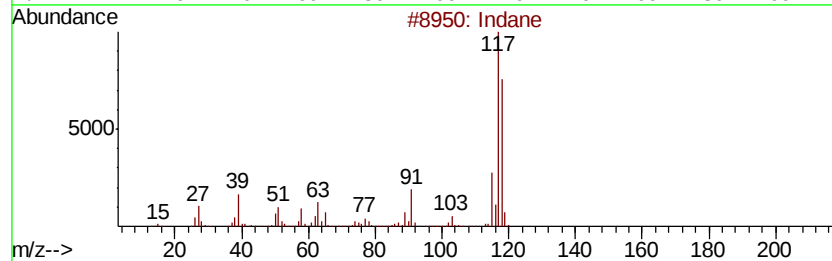
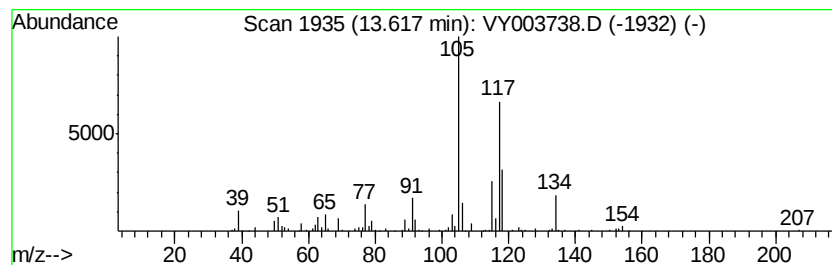
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Quant Title : VOC Analysis

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

Peak Number 16 unknown-02 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.62	8.77 ug/L	75755	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Indane	118	C9H10	000496-11-7	49
2		Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	49
3		Benzene, 1-propenyl-	118	C9H10	000637-50-3	49
4		Benzene, 2-propenyl-	118	C9H10	000300-57-2	49
5		Benzene, 1-propenyl-	118	C9H10	000637-50-3	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003738.D
Acq On : 11 Dec 2020 19:29
Operator : SY/MD
Sample : L5063-07
Misc : 4.69G/10ML/MSVOA Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD9

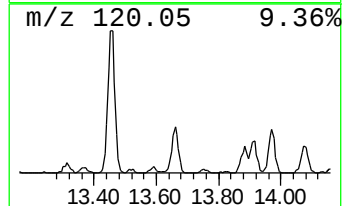
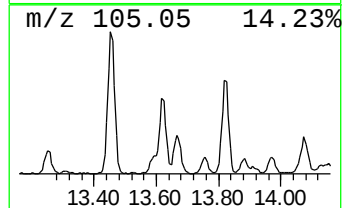
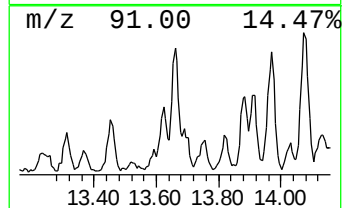
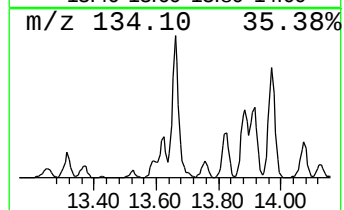
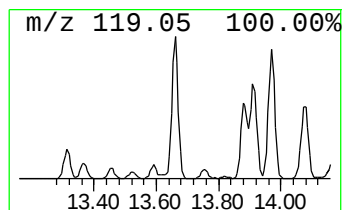
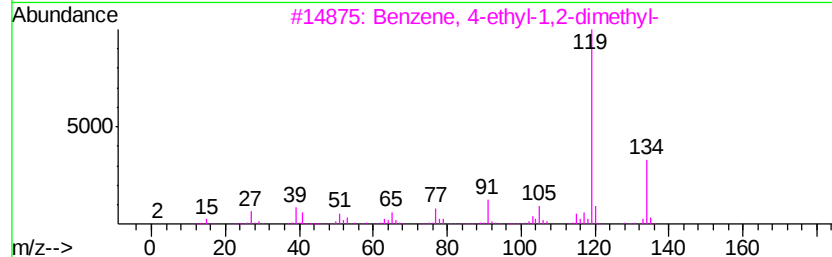
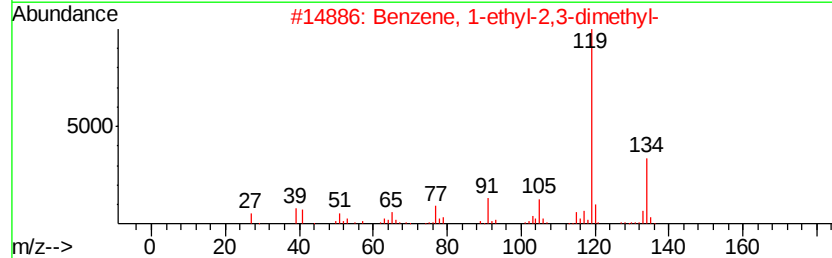
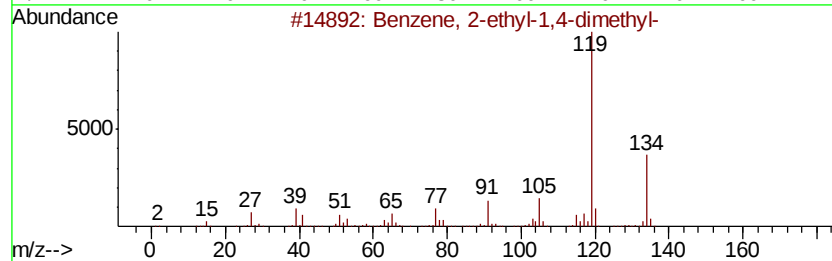
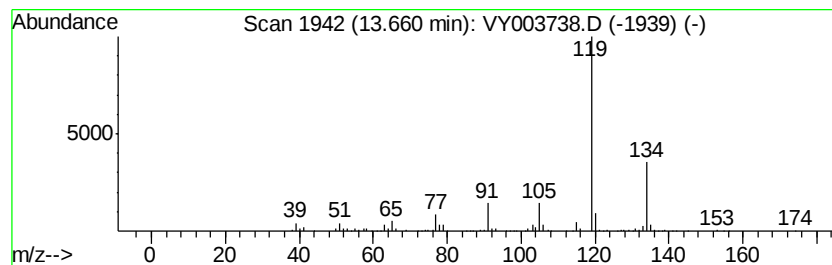
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Quant Title : VOC Analysis

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

Peak Number 17 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.66	13.09 ug/L	113088	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
2		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
3		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91
4		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
5		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003738.D
Acq On : 11 Dec 2020 19:29
Operator : SY/MD
Sample : L5063-07
Misc : 4.69G/10ML/MSVOA Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD9

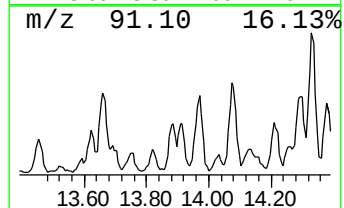
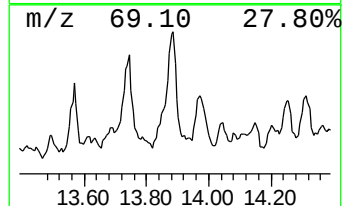
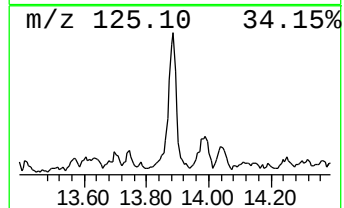
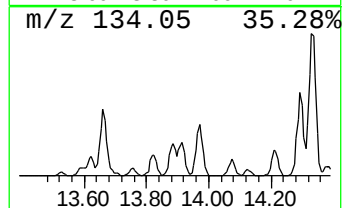
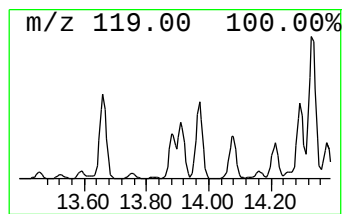
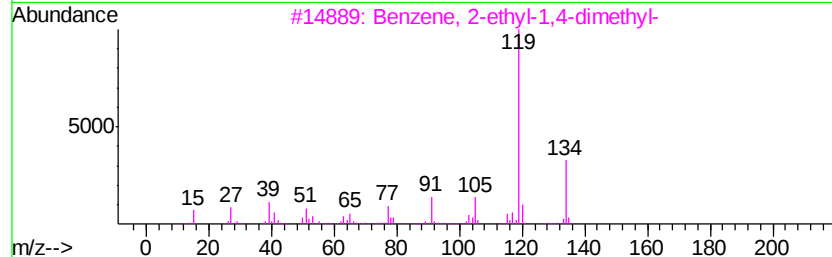
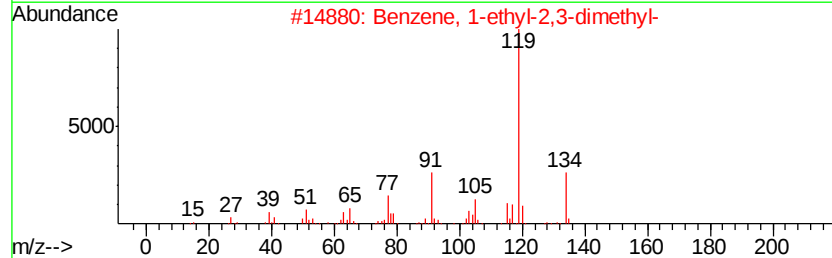
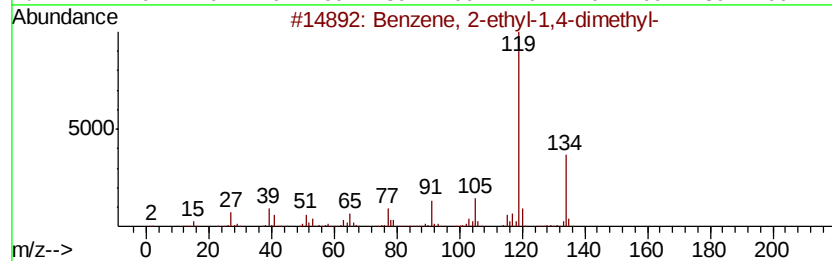
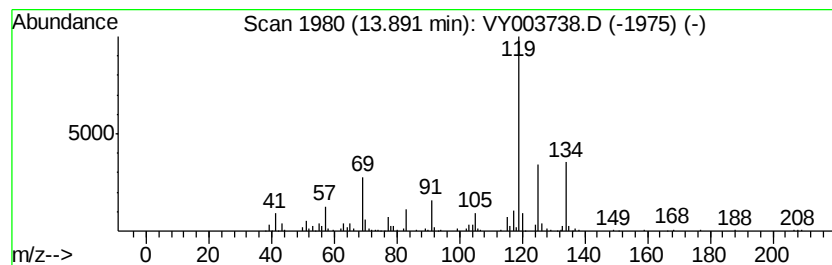
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Quant Title : VOC Analysis

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

Peak Number 18 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	12.92 ug/L	111589	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
2		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	89
3		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	89
4		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	89
5		o-Cymene	134	C10H14	000527-84-4	86



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003738.D
Acq On : 11 Dec 2020 19:29
Operator : SY/MD
Sample : L5063-07
Misc : 4.69G/10ML/MSVOA Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampled :
C0AD9

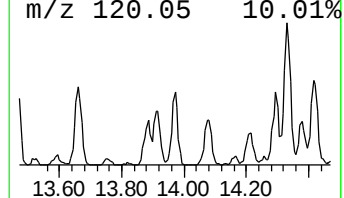
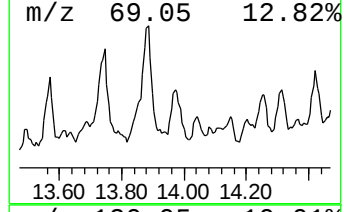
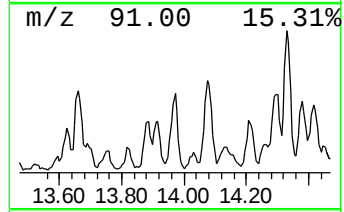
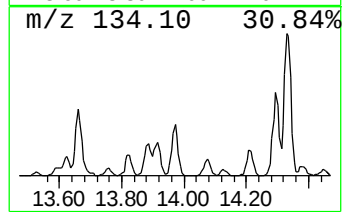
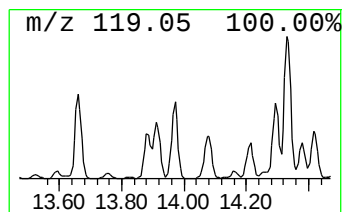
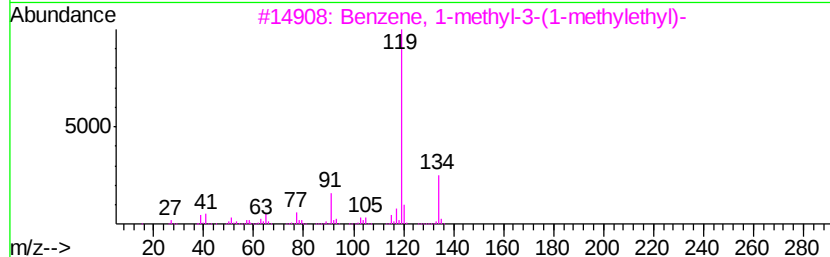
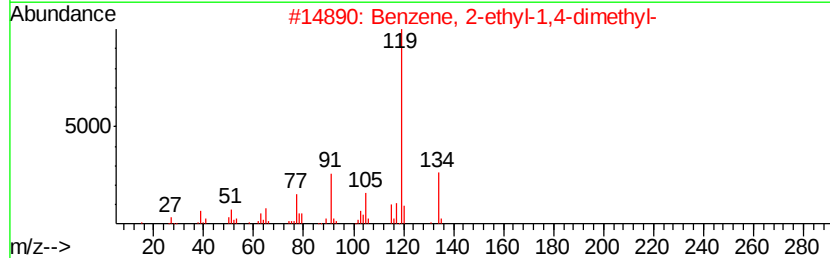
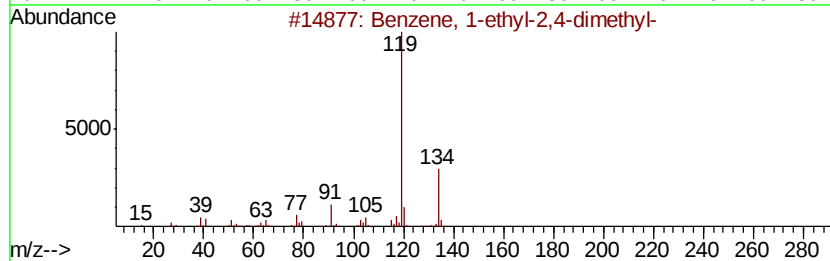
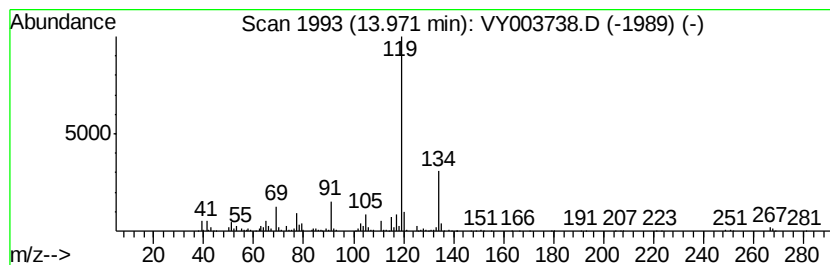
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Quant Title : VOC Analysis

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

Peak Number 19 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	18.94 ug/L	163603	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	97
2		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
3		Benzene, 1-methyl-3-(1-methylethyl)-	134	C10H14	000535-77-3	95
4		Benzene, 1-methyl-3-(1-methylethyl)-	134	C10H14	000535-77-3	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 : VY003738.D
Acq On : 11 Dec 2020 19:29
Operator : SY/MD
Sample : L5063-07
Misc : 4.69G/10ML/MSVOA Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD9

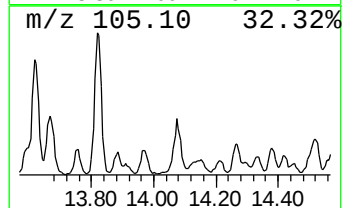
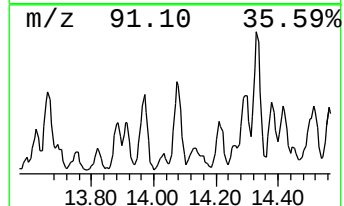
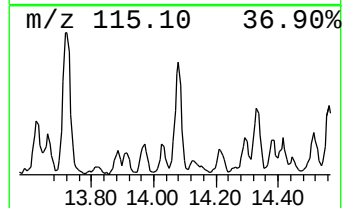
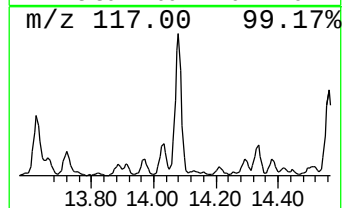
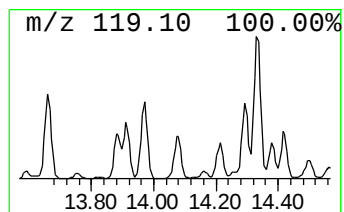
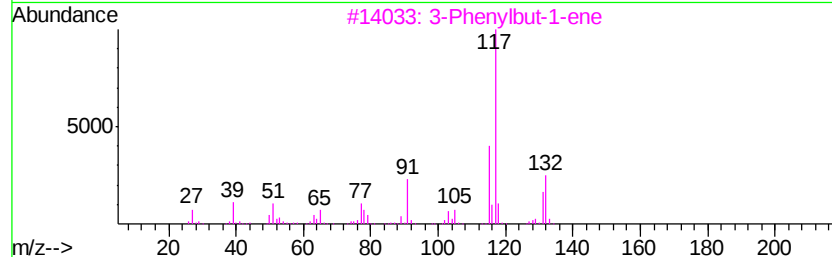
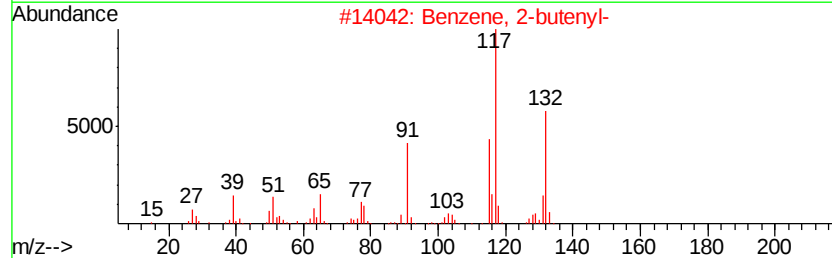
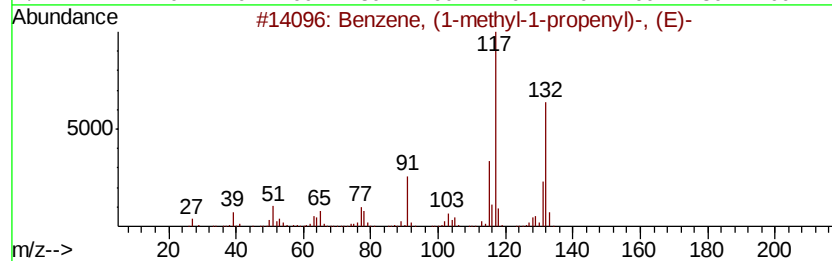
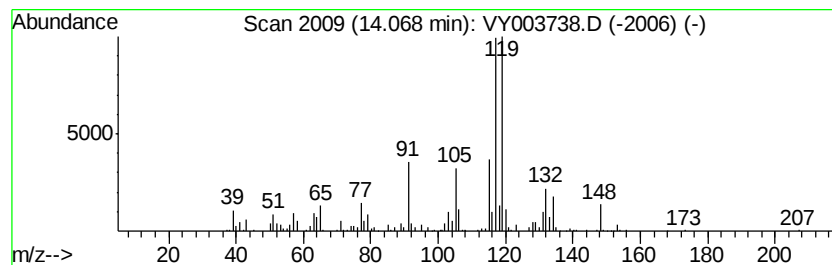
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Quant Title : VOC Analysis

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

Peak Number 20 Benzene, (1-methyl-1-propen... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.07	21.29 ug/L	183949	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (1-methyl-1-propenyl)-, ...	132	C10H12	000768-00-3	90
2		Benzene, 2-butenyl-	132	C10H12	001560-06-1	80
3		3-Phenylbut-1-ene	132	C10H12	000934-10-1	70
4		Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	55
5		Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003738.D
Acq On : 11 Dec 2020 19:29
Operator : SY/MD
Sample : L5063-07
Misc : 4.69G/10ML/MSVOA Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

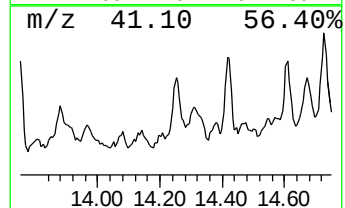
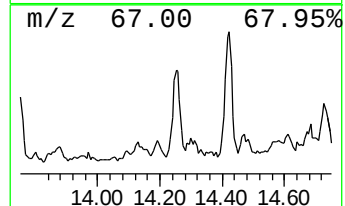
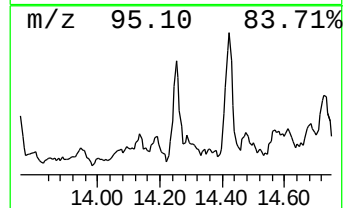
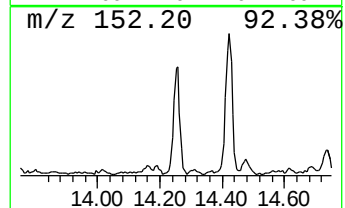
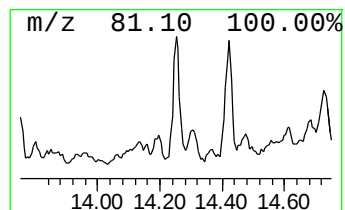
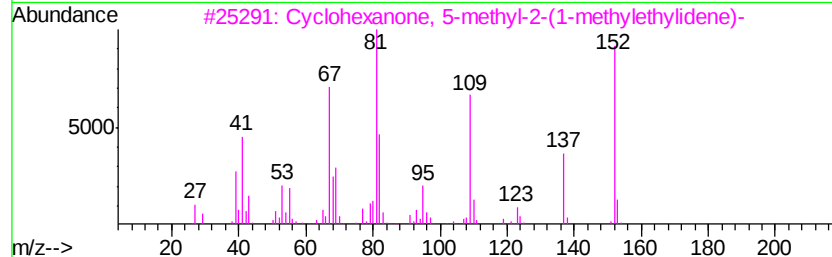
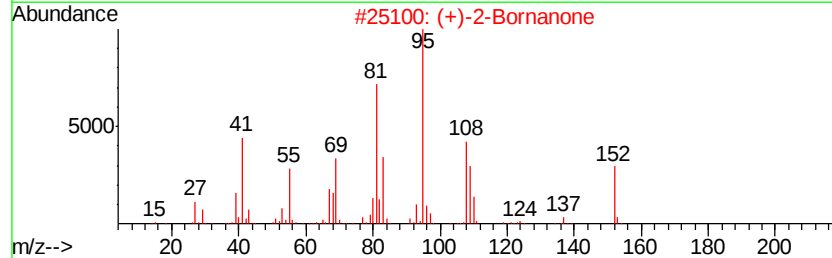
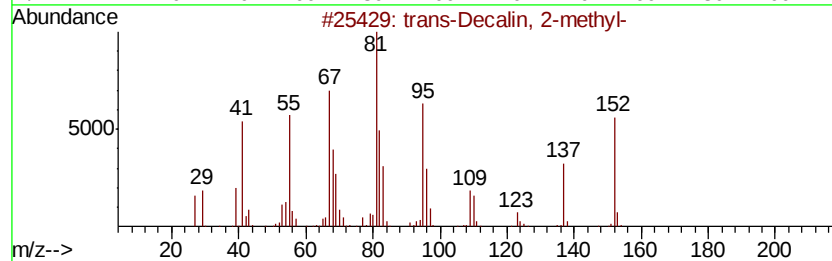
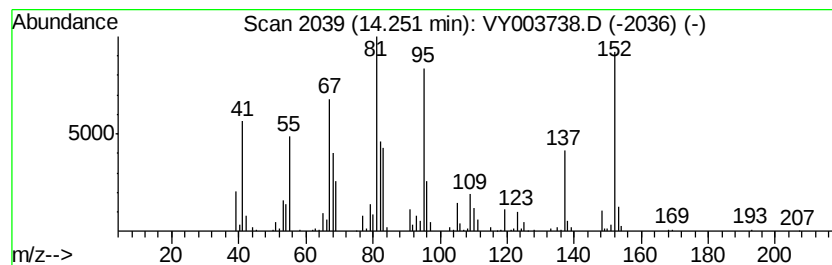
Instrument :
MSVOA_Y
ClientSampleId :
C0AD9

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 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.25	14.53 ug/L	125498	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	91
2	(+)-2-Bornanone	152 C10H16O	000464-49-3	81
3	Cyclohexanone, 5-methyl-2-(1-met...	152 C10H16O	015932-80-6	78
4	Pulegone	152 C10H16O	000089-82-7	64
5	Cyclohexanone, 5-methyl-2-(1-met...	152 C10H16O	015932-80-6	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003738.D
Acq On : 11 Dec 2020 19:29
Operator : SY/MD
Sample : L5063-07
Misc : 4.69G/10ML/MSVOA Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampled :
C0AD9

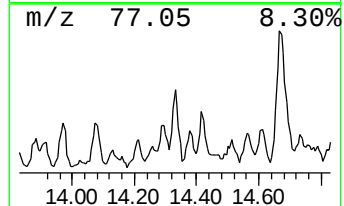
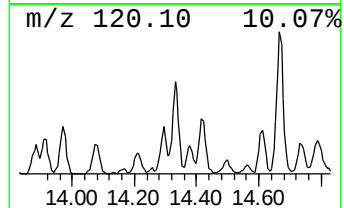
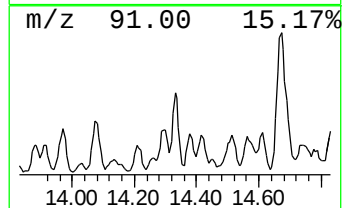
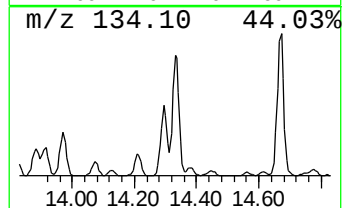
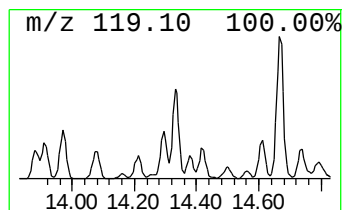
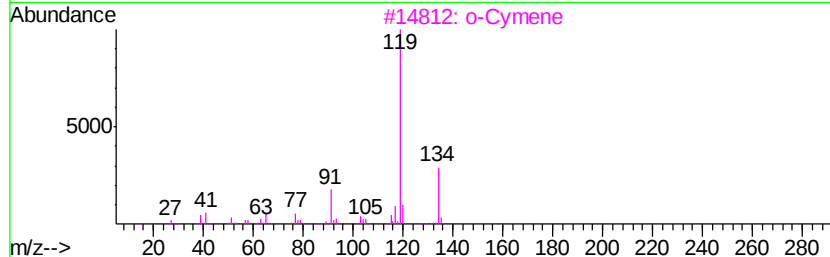
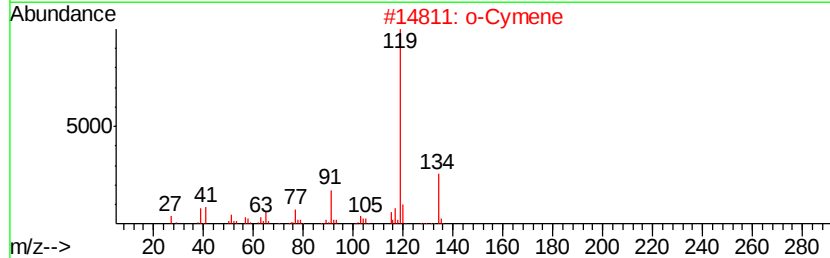
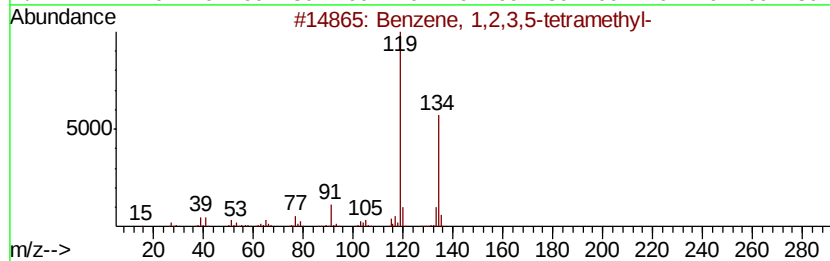
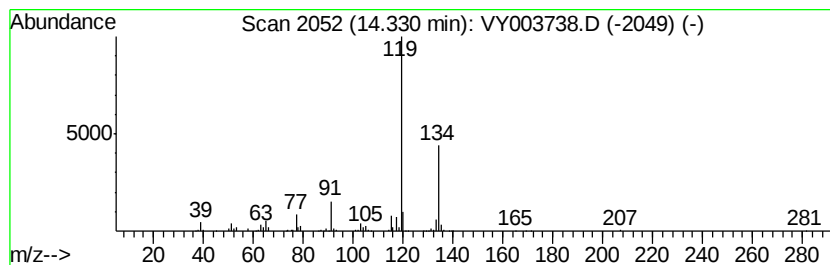
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Quant Title : VOC Analysis

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

Peak Number 22 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.33	27.97 ug/L	241598	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
2		o-Cymene	134	C10H14	000527-84-4	91
3		o-Cymene	134	C10H14	000527-84-4	91
4		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
5		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003738.D
Acq On : 11 Dec 2020 19:29
Operator : SY/MD
Sample : L5063-07
Misc : 4.69G/10ML/MSVOA Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD9

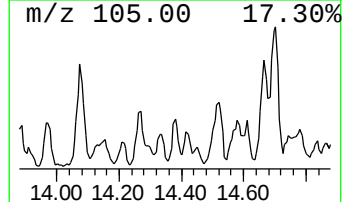
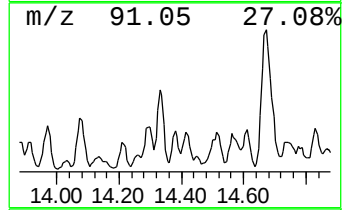
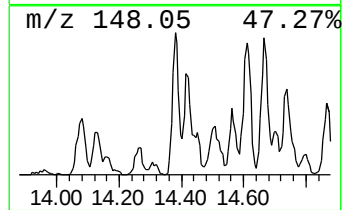
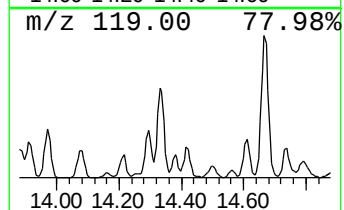
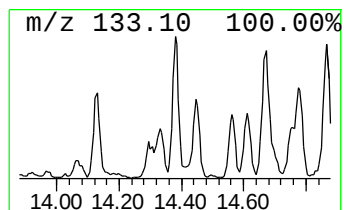
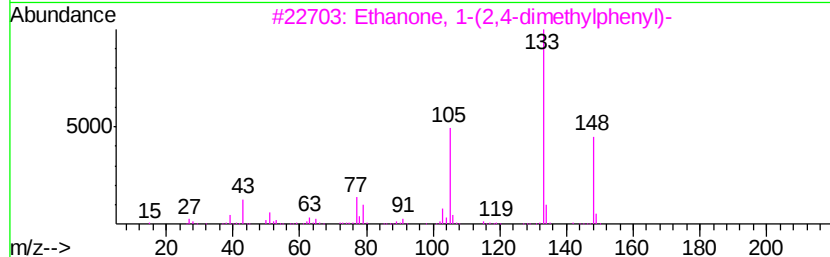
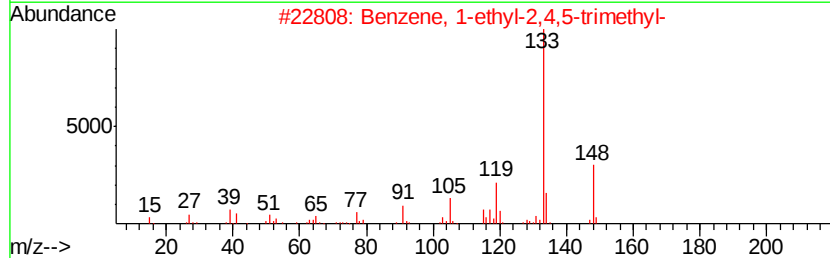
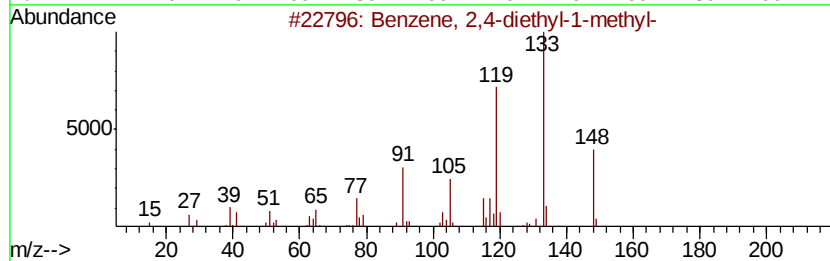
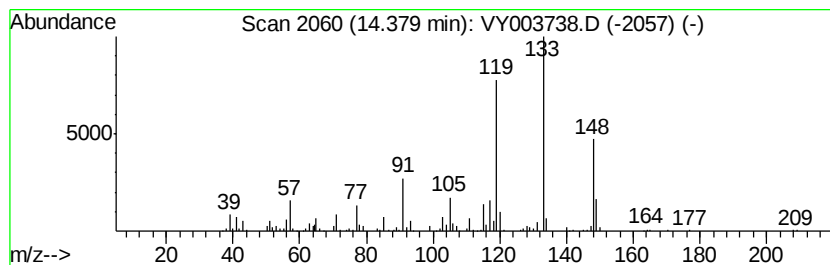
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Quant Title : VOC Analysis

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

Peak Number 23 Benzene, 2,4-diethyl-1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.38	12.37 ug/L	106896	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	86
2		Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	52
3		Ethanone, 1-(2,4-dimethylphenyl)-	148	C10H12O	000089-74-7	50
4		3,4-Dimethylcumene	148	C11H16	1000370-34-1	49
5		Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003738.D
Acq On : 11 Dec 2020 19:29
Operator : SY/MD
Sample : L5063-07
Misc : 4.69G/10ML/MSVOA Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

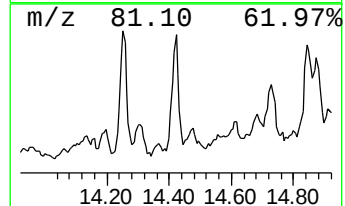
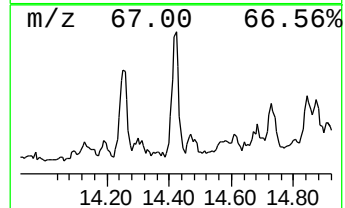
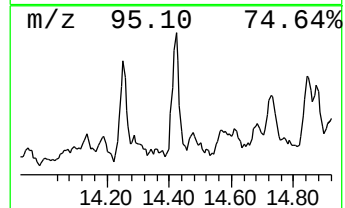
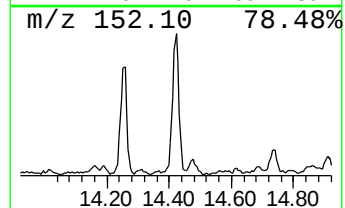
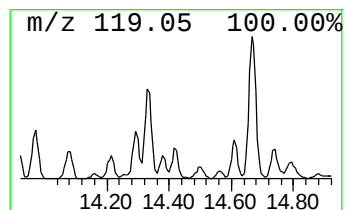
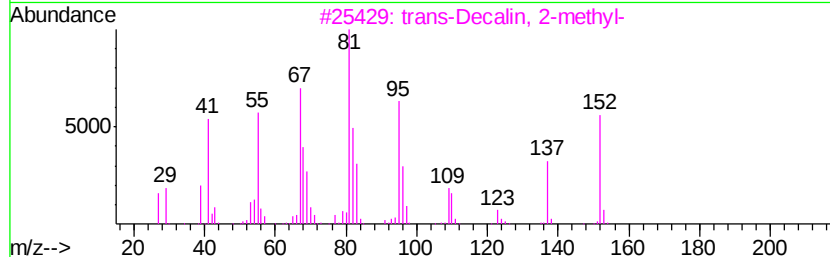
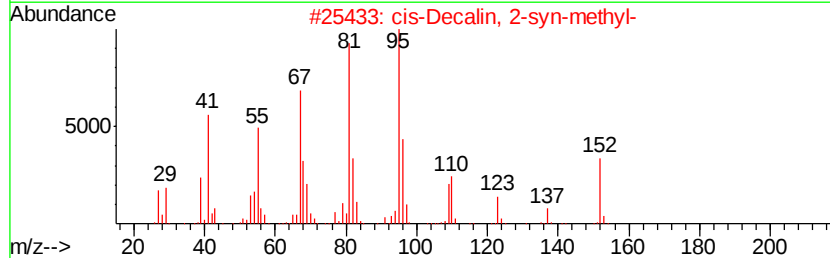
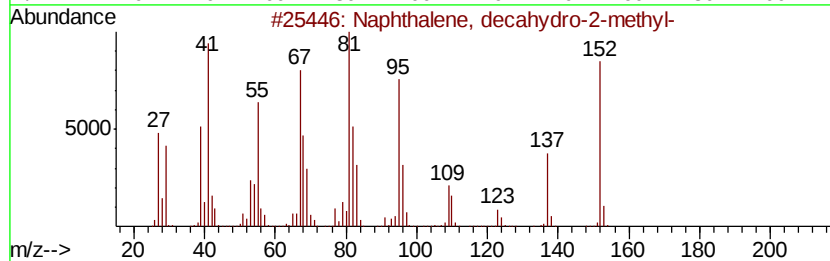
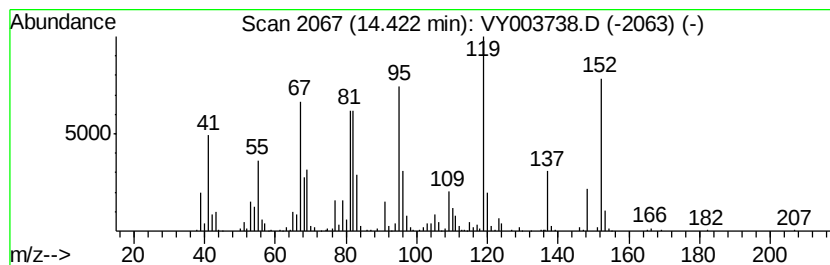
Instrument :
MSVOA_Y
ClientSampleId :
C0AD9

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 Naphthalene, decahydro-2-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.42	27.48 ug/L	237364	1,4-Dichlorobenzene-d4	13.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, decahydro-2-methyl-	152 C11H20	002958-76-1 91
2		cis-Decalin, 2-syn-methyl-	152 C11H20	1000155-85-6 83
3		trans-Decalin, 2-methyl-	152 C11H20	1000152-47-3 62
4		Bicyclo[2.2.1]heptan-2-one, 1,7,...	152 C10H16O	000464-48-2 49
5		(+)-2-Bornanone	152 C10H16O	000464-49-3 46



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003738.D
Acq On : 11 Dec 2020 19:29
Operator : SY/MD
Sample : L5063-07
Misc : 4.69G/10ML/MSVOA Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

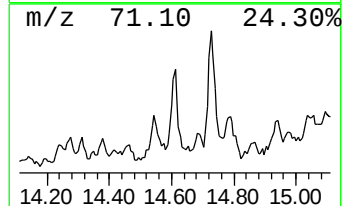
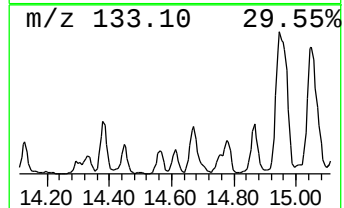
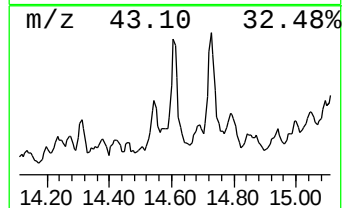
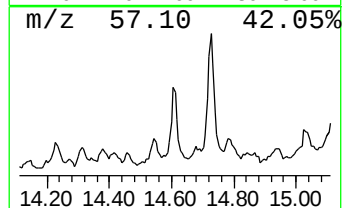
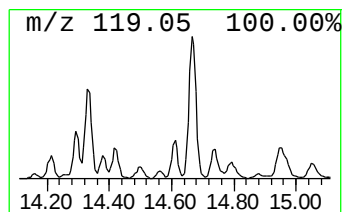
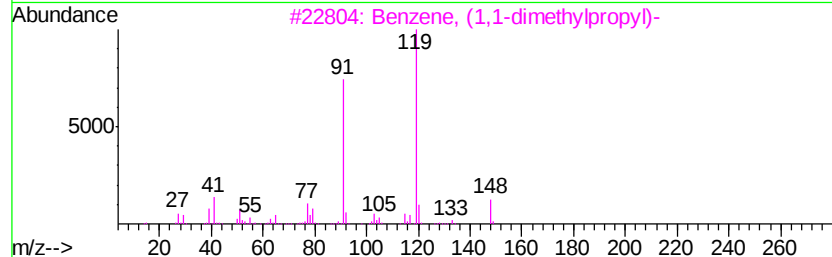
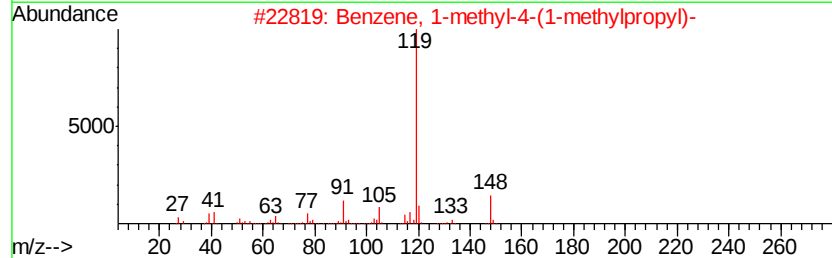
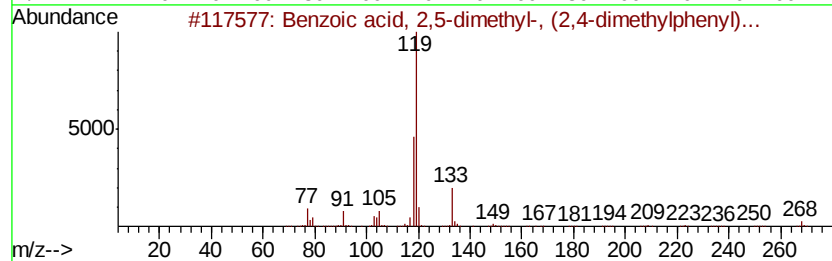
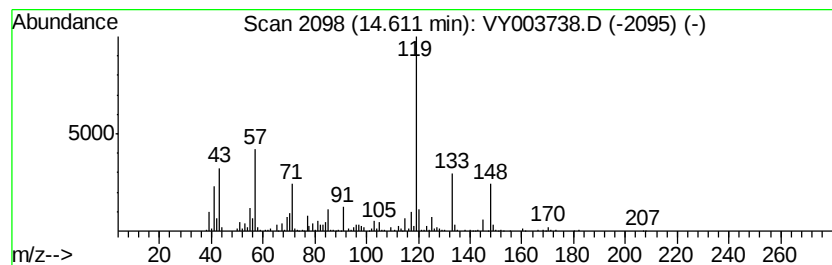
Instrument :
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ClientSampleId :
C0AD9

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Quant Title : VOC Analysis

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

Peak Number 25 Benzoic acid, 2,5-dimethyl-... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.		
14.61	22.85 ug/L	197373	1,4-Dichlorobenzene-d4	13.42		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzoic acid, 2,5-dimethyl-, (2,...	268	C18H20O2	055000-48-1	53
2		Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	52
3		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	50
4		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	47
5		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003738.D
Acq On : 11 Dec 2020 19:29
Operator : SY/MD
Sample : L5063-07
Misc : 4.69G/10ML/MSVOA Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD9

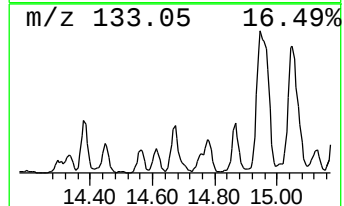
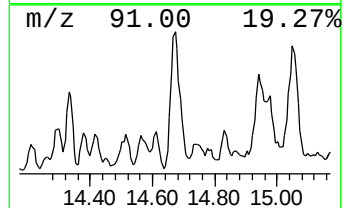
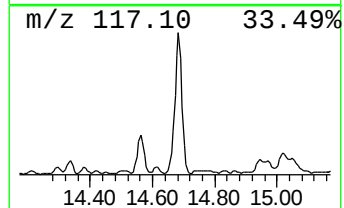
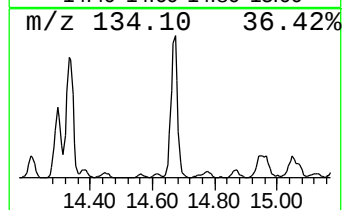
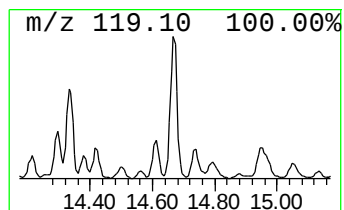
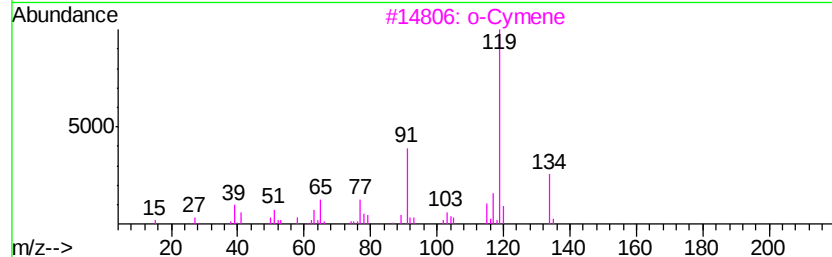
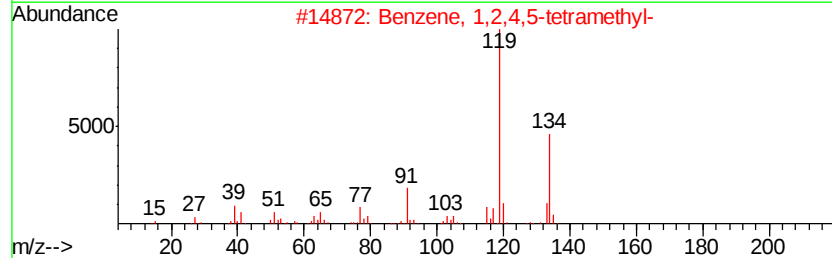
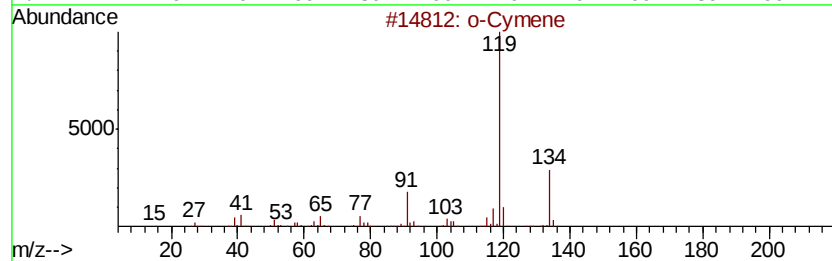
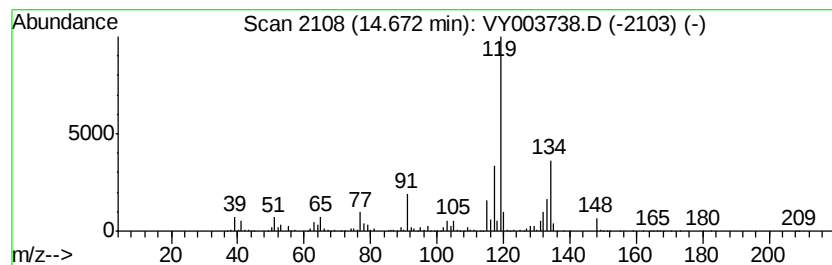
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Quant Title : VOC Analysis

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

Peak Number 26 o-Cymene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.67	89.72 ug/L	775072	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	o-Cymene	134	C10H14	000527-84-4	76
2		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	76
3		o-Cymene	134	C10H14	000527-84-4	76
4		1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	74
5		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	70



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003738.D
Acq On : 11 Dec 2020 19:29
Operator : SY/MD
Sample : L5063-07
Misc : 4.69G/10ML/MSVOA Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

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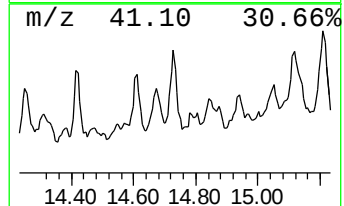
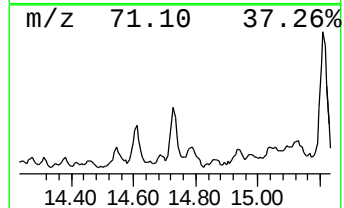
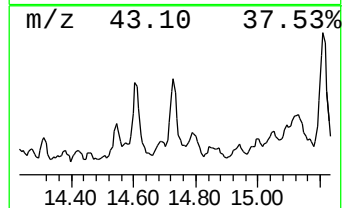
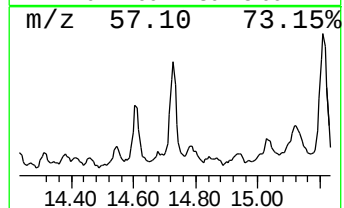
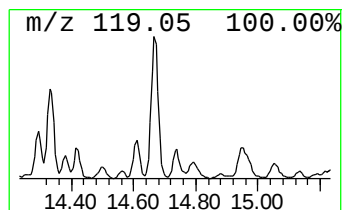
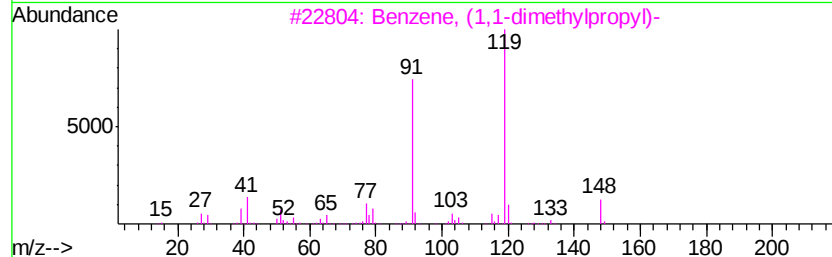
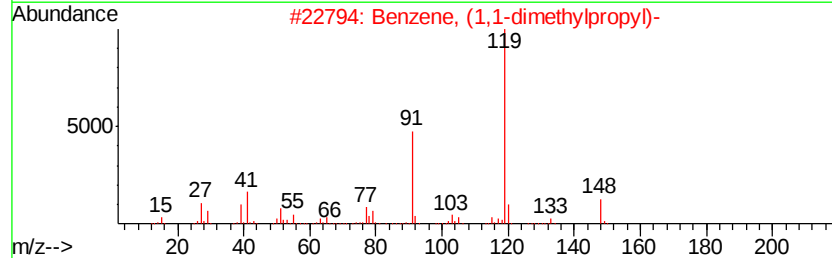
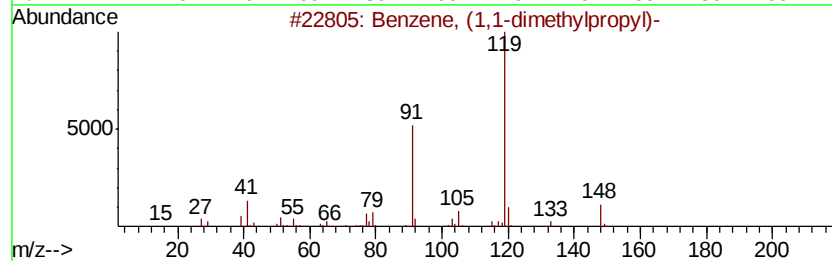
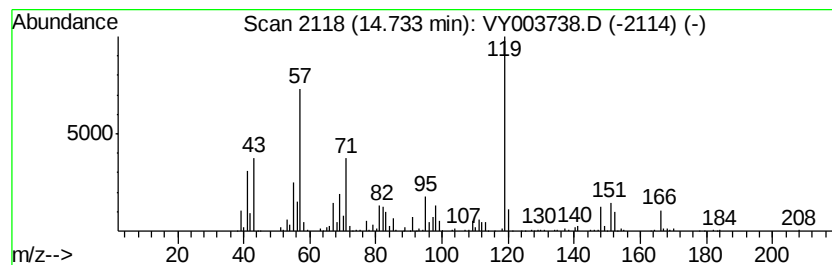
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

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

Peak Number 27 unknown-03 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	26.07 ug/L	225224	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	38
2		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	38
3		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	38
4		p-Toluic acid, 5-tridecyl ester	318	C21H34O2	1000299-80-5	32
5		Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	32



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003738.D
Acq On : 11 Dec 2020 19:29
Operator : SY/MD
Sample : L5063-07
Misc : 4.69G/10ML/MSVOA Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD9

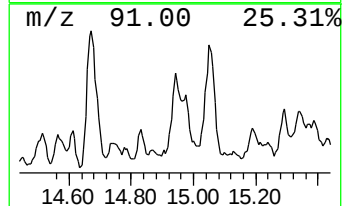
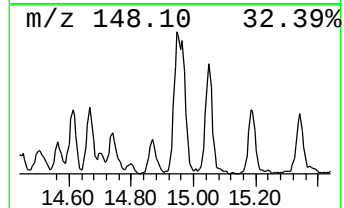
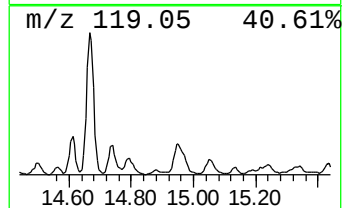
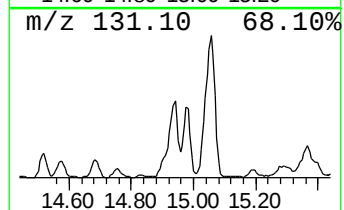
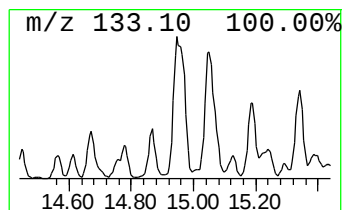
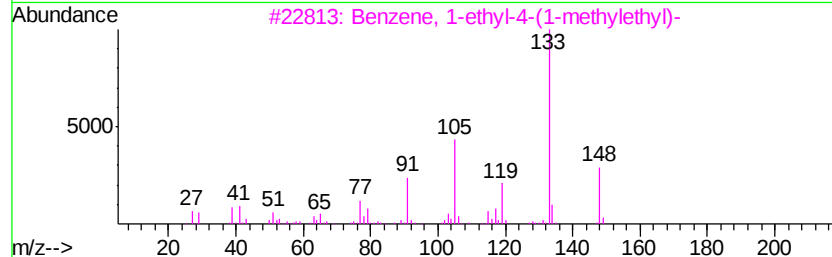
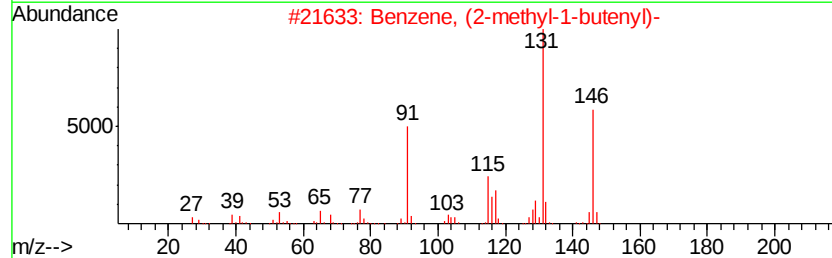
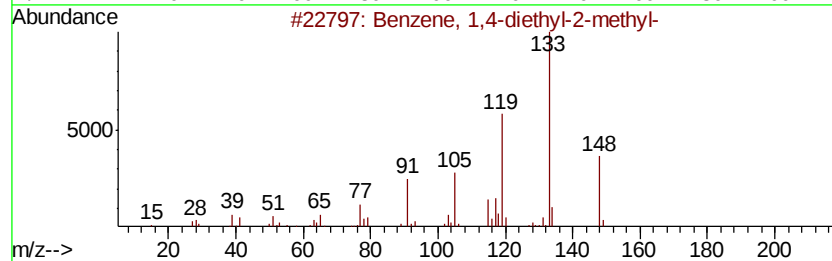
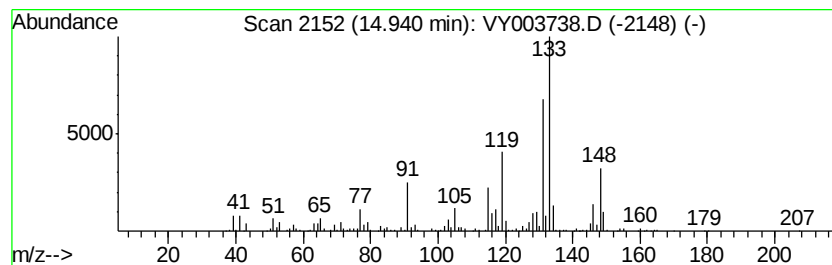
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Quant Title : VOC Analysis

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

Peak Number 28 Benzene, 1,4-diethyl-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.94	41.45 ug/L	358091	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	62
2		Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	60
3		Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	49
4		Benzene, 1,4-dimethyl-2-(1-methyl-...)	148	C11H16	004132-72-3	46
5		Benzene, 1,3-dimethyl-5-(1-methyl-...)	148	C11H16	004706-90-5	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003738.D
Acq On : 11 Dec 2020 19:29
Operator : SY/MD
Sample : L5063-07
Misc : 4.69G/10ML/MSVOA Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

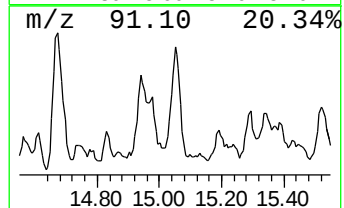
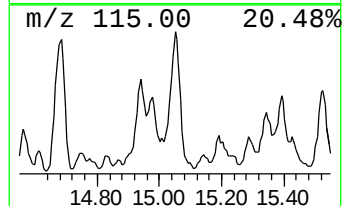
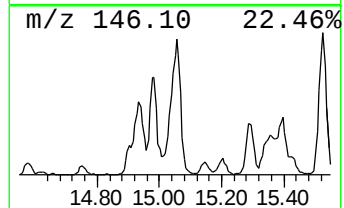
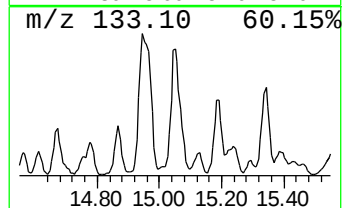
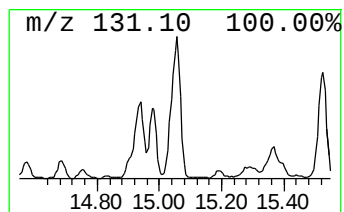
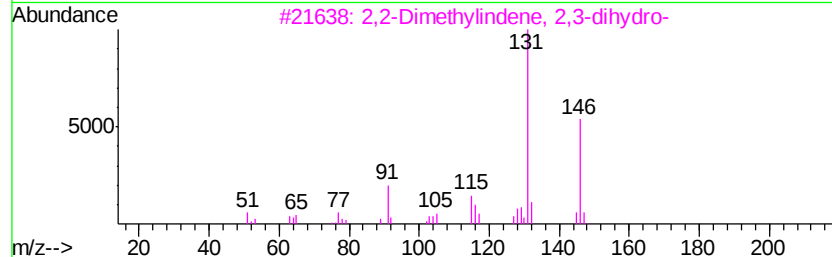
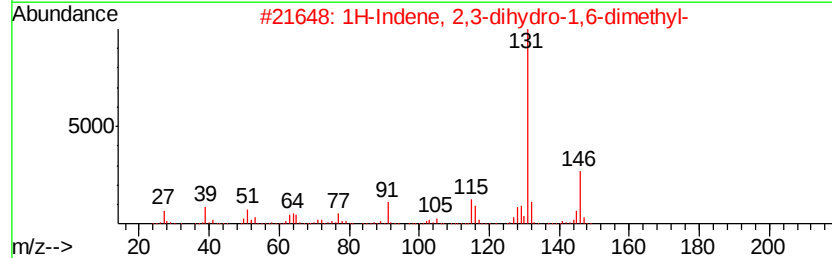
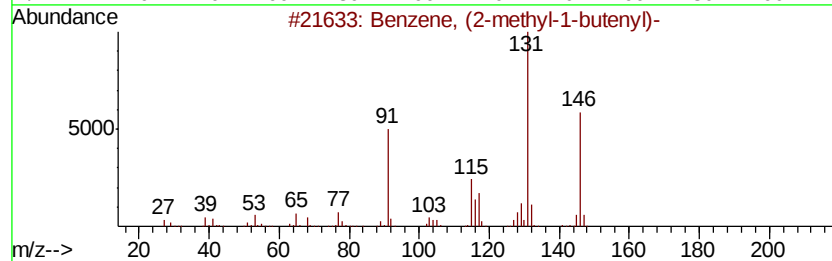
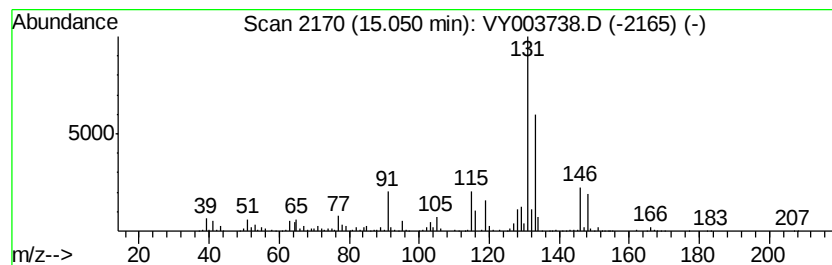
Instrument :
MSVOA_Y
ClientSampleId :
C0AD9

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Quant Title : VOC Analysis

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

Peak Number 29 Benzene, (2-methyl-1-butenyl)- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.05	74.25 ug/L	641413	1,4-Dichlorobenzene-d4	13.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, (2-methyl-1-butenyl)-	146 C11H14	056253-64-6 92
2		1H-Indene, 2,3-dihydro-1,6-dimet...	146 C11H14	017059-48-2 70
3		2,2-Dimethylindene, 2,3-dihydro-	146 C11H14	020836-11-7 70
4		1H-Indene, 2,3-dihydro-1,3-dimet...	146 C11H14	004175-53-5 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 : VY003738.D
Acq On : 11 Dec 2020 19:29
Operator : SY/MD
Sample : L5063-07
Misc : 4.69G/10ML/MSVOA Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD9

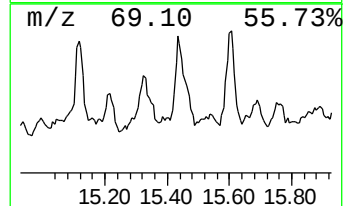
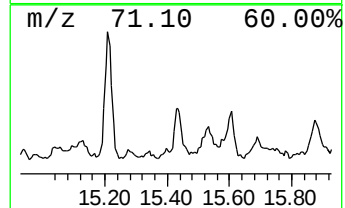
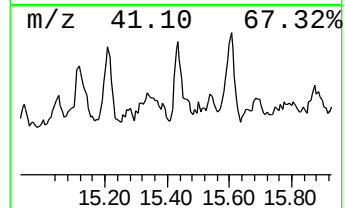
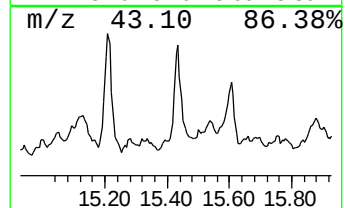
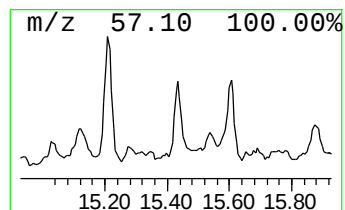
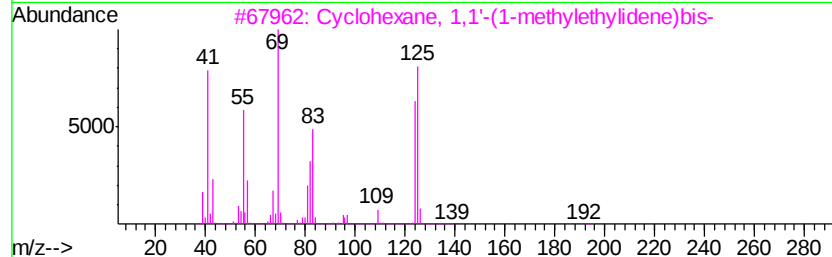
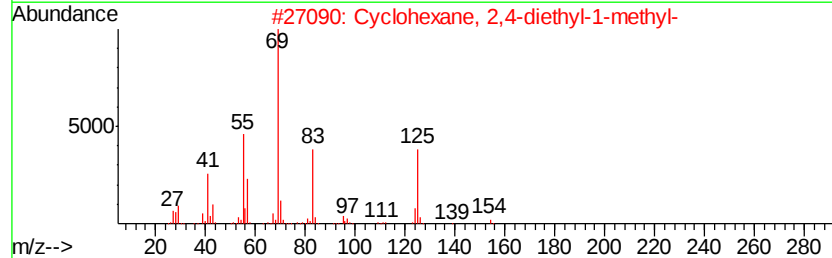
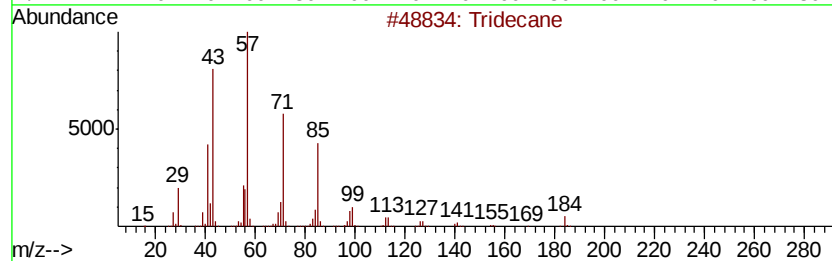
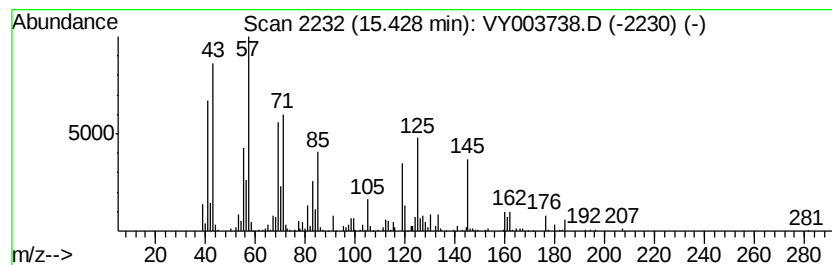
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Quant Title : VOC Analysis

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

Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.43	38.27 ug/L	330606	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane	184	C13H28	000629-50-5	60
2		Cyclohexane, 2,4-diethyl-1-methyl-	154	C11H22	061142-70-9	43
3		Cyclohexane, 1,1'-(1-methylethyl)-	208	C15H28	054934-90-6	43
4		Cyclohexane, 1,1,3,5-tetramethyl-	140	C10H20	050876-31-8	38
5		Tridecane	184	C13H28	000629-50-5	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003738.D
Acq On : 11 Dec 2020 19:29
Operator : SY/MD
Sample : L5063-07
Misc : 4.69G/10ML/MSVOA Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD9

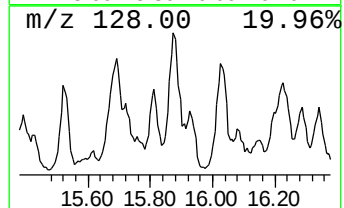
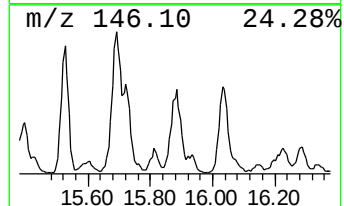
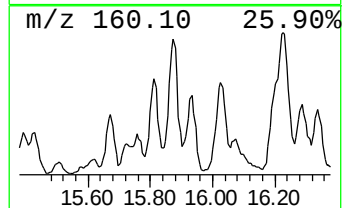
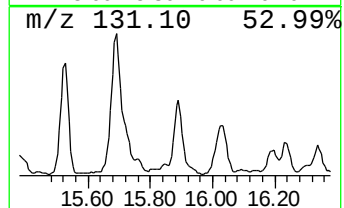
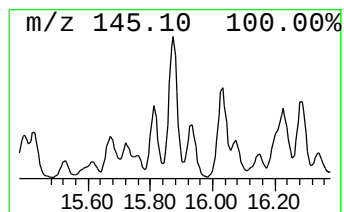
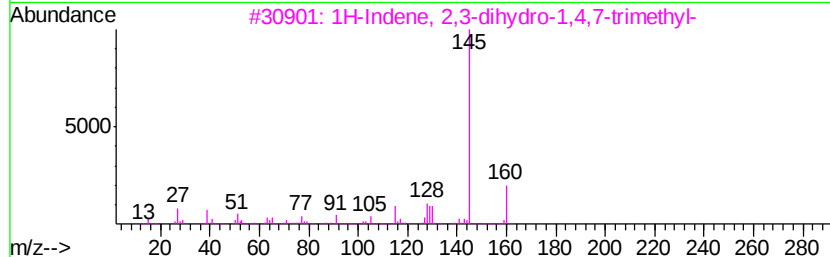
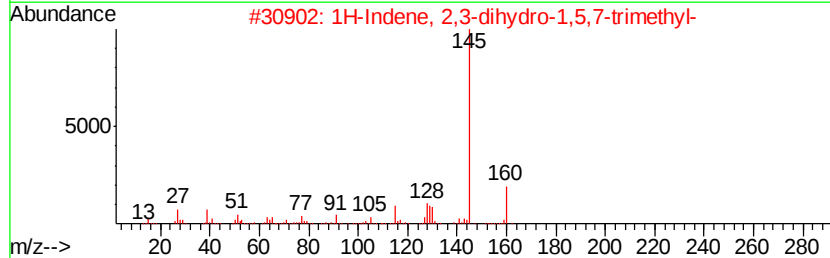
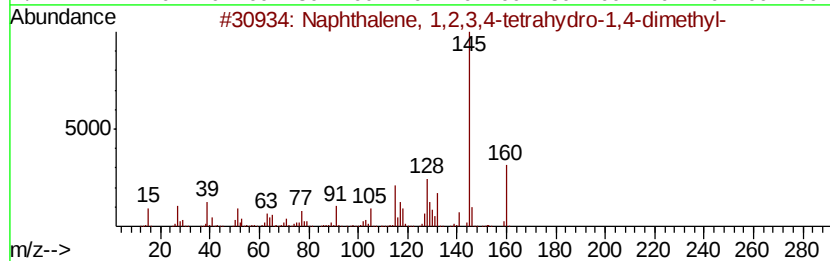
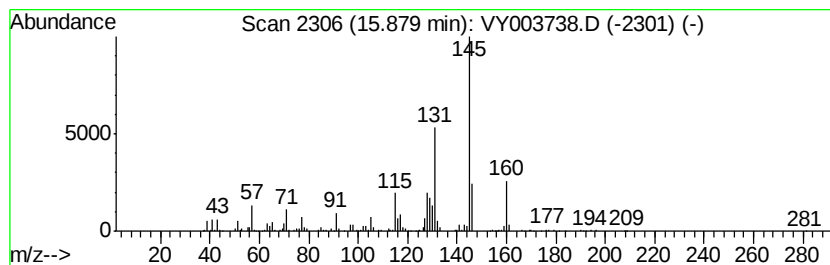
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Quant Title : VOC Analysis

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

Peak Number 31 Naphthalene, 1,2,3,4-tetra... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.88	55.20 ug/L	476840	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	70
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		1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	64
5		Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003738.D
Acq On : 11 Dec 2020 19:29
Operator : SY/MD
Sample : L5063-07
Misc : 4.69G/10ML/MSVOA Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD9

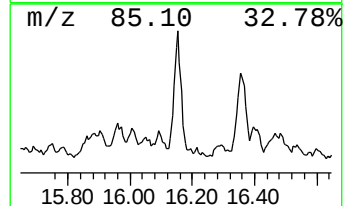
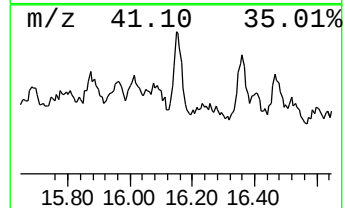
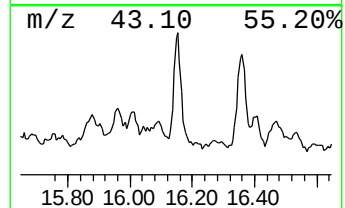
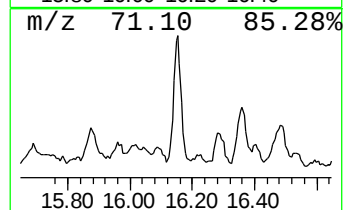
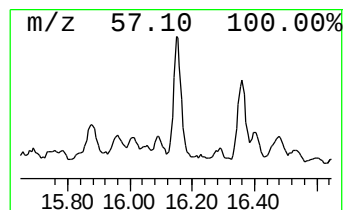
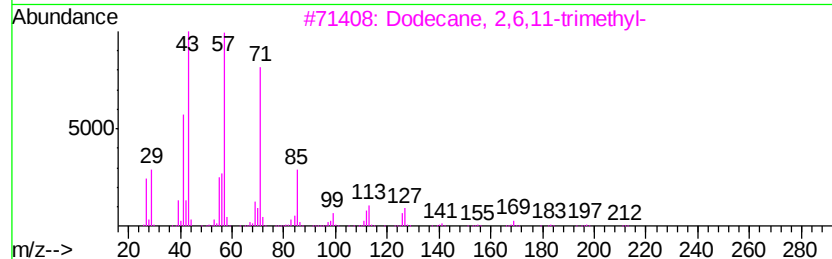
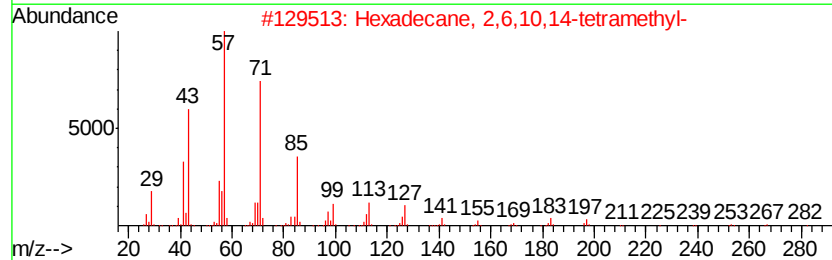
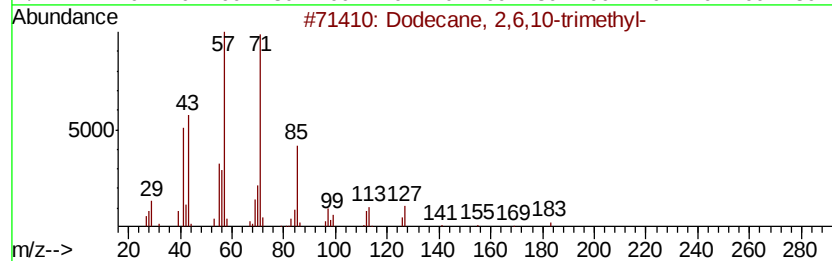
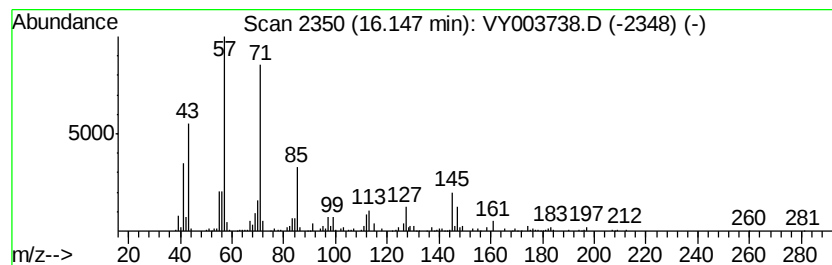
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Quant Title : VOC Analysis

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

Peak Number 32 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.15	18.48 ug/L	159652	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	83
2		Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	72
3		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	70
4		Octane, 2-methyl-	128	C9H20	003221-61-2	62
5		Decane, 5-propyl-	184	C13H28	017312-62-8	62



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003738.D
Acq On : 11 Dec 2020 19:29
Operator : SY/MD
Sample : L5063-07
Misc : 4.69G/10ML/MSVOA Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
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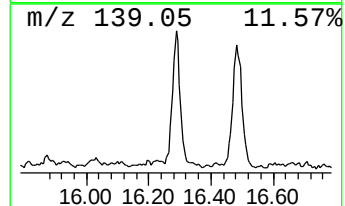
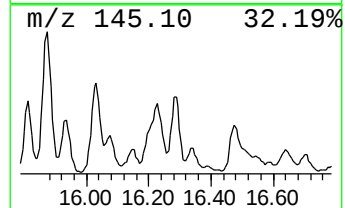
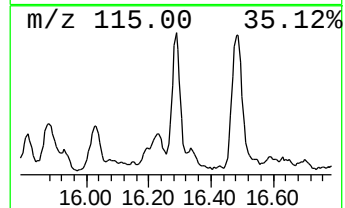
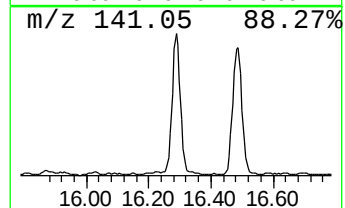
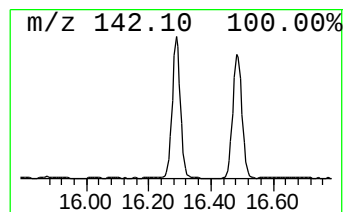
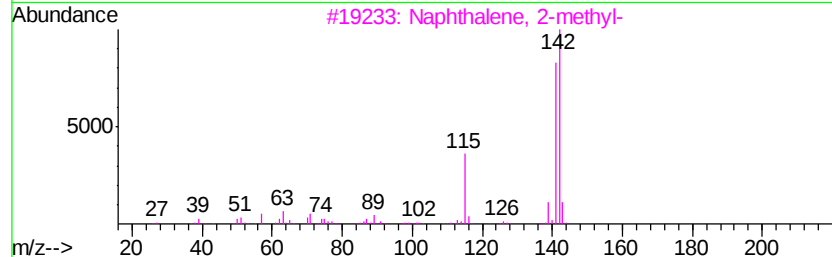
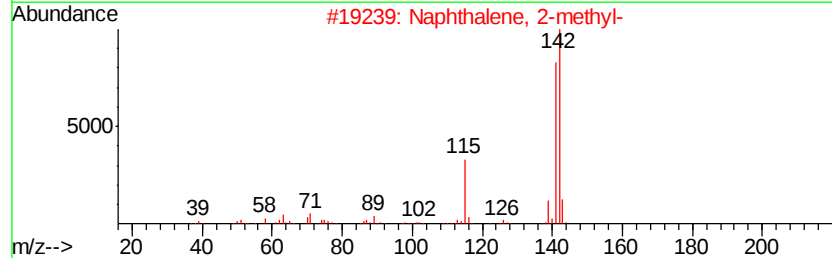
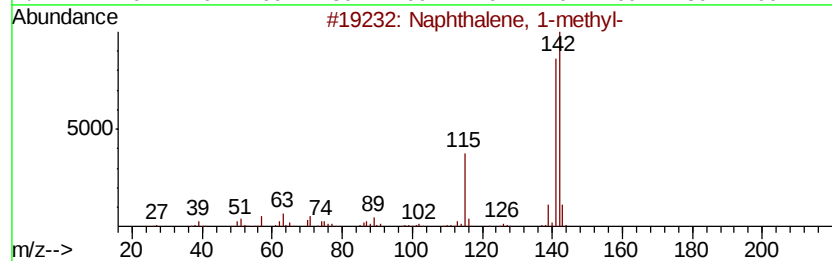
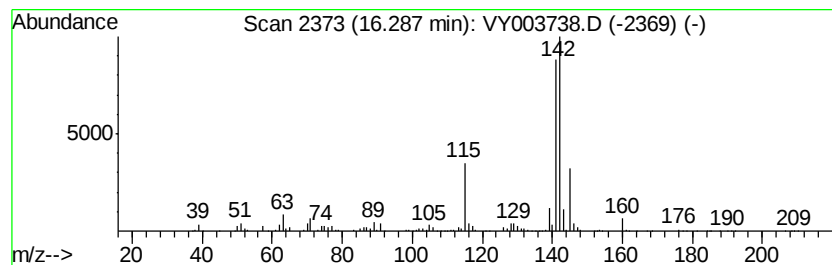
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Quant Title : VOC Analysis

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

Peak Number 33 Naphthalene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.29	66.87 ug/L	577637	1,4-Dichlorobenzene-d4	13.42

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121120\
Data File : VY003738.D
Acq On : 11 Dec 2020 19:29
Operator : SY/MD
Sample : L5063-07
Misc : 4.69G/10ML/MSVOA Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
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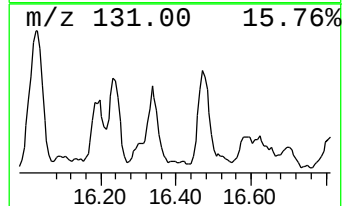
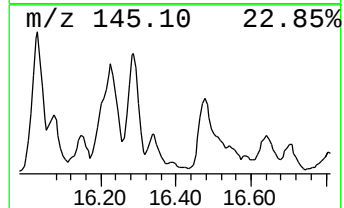
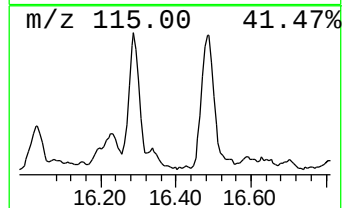
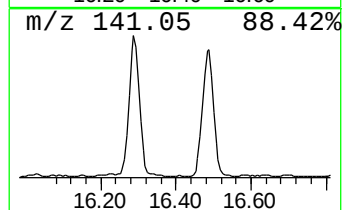
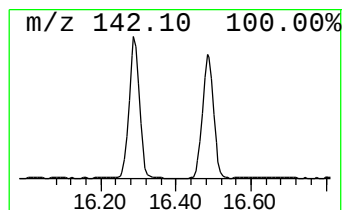
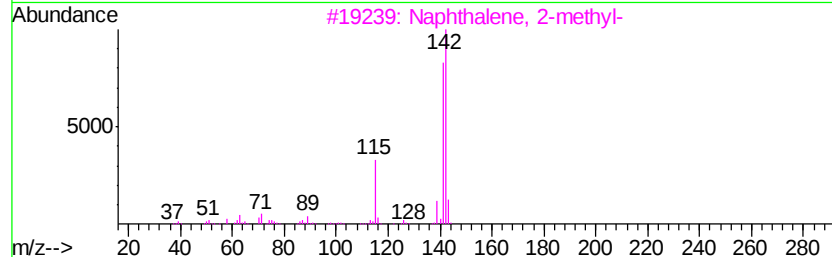
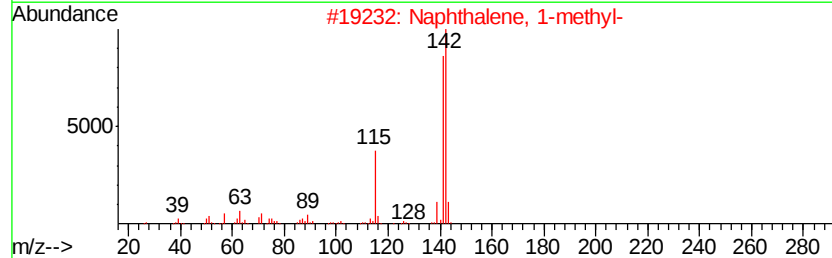
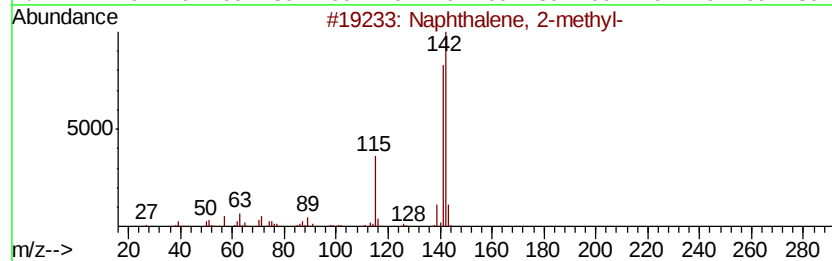
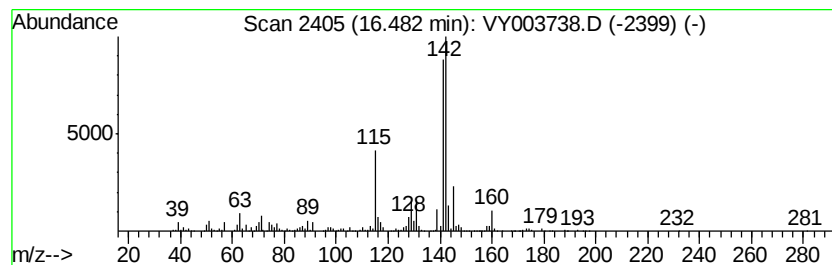
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Quant Title : VOC Analysis

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

Peak Number 34 1,4-Methanonaphthalene, 1,4... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.48	133.51 ug/L	1153320	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
4		1,4-Methanonaphthalene, 1,4-dihv...	142	C11H10	004453-90-1	90
5		Benzocycloheptatriene	142	C11H10	000264-09-5	89



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121120\
 Data File : VY003738.D
 Acq On : 11 Dec 2020 19:29
 Operator : SY/MD
 Sample : L5063-07
 Misc : 4.69G/10ML/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 C0AD9

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	2.9	ug/L	57856	2	11.49	502652	25.0
1-Methylcyclooctene	12.20	1.7	ug/L	34928	2	11.49	502652	25.0
1,3,2-Dioxaborola...	12.23	1.8	ug/L	35949	2	11.49	502652	25.0
(DEL) Alkane: Cyc...	12.64	11.3	ug/L	97676	3	13.42	215965	25.0
Benzene, 1-ethyl-...	12.73	8.8	ug/L	75796	3	13.42	215965	25.0
Mesitylene	12.81	24.7	ug/L	213471	3	13.42	215965	25.0
Benzene, 1-ethyl-...	12.97	9.7	ug/L	83601	3	13.42	215965	25.0
Sulfurous acid, b...	13.04	5.5	ug/L	47270	3	13.42	215965	25.0
Benzene, 1,2,3-tr...	13.12	22.8	ug/L	196544	3	13.42	215965	25.0
(DEL) Alkane: Str...	13.57	5.5	ug/L	47800	3	13.42	215965	25.0
unknown-02	13.62	8.8	ug/L	75755	3	13.42	215965	25.0
Benzene, 2-ethyl-...	13.66	13.1	ug/L	113088	3	13.42	215965	25.0
Benzene, 1-ethyl-...	13.89	12.9	ug/L	111589	3	13.42	215965	25.0
Benzene, 1-ethyl-...	13.97	18.9	ug/L	163603	3	13.42	215965	25.0
Benzene, (1-methy...	14.07	21.3	ug/L	183949	3	13.42	215965	25.0
trans-Decalin, 2-...	14.25	14.5	ug/L	125498	3	13.42	215965	25.0
Benzene, 1,2,3,5-...	14.33	28.0	ug/L	241598	3	13.42	215965	25.0
Benzene, 2,4-diet...	14.38	12.4	ug/L	106896	3	13.42	215965	25.0
Naphthalene, deca...	14.42	27.5	ug/L	237364	3	13.42	215965	25.0
Benzoic acid, 2,5...	14.61	22.9	ug/L	197373	3	13.42	215965	25.0
o-Cymene	14.67	89.7	ug/L	775072	3	13.42	215965	25.0
unknown-03	14.73	26.1	ug/L	225224	3	13.42	215965	25.0
Benzene, 1,4-diet...	14.94	41.5	ug/L	358091	3	13.42	215965	25.0
Benzene, (2-methy...	15.05	74.3	ug/L	641413	3	13.42	215965	25.0
(DEL) Alkane: Str...	15.43	38.3	ug/L	330606	3	13.42	215965	25.0
Naphthalene, 1,2,...	15.88	55.2	ug/L	476840	3	13.42	215965	25.0
(DEL) Alkane: Str...	16.15	18.5	ug/L	159652	3	13.42	215965	25.0
Naphthalene, 1-me...	16.29	66.9	ug/L	577637	3	13.42	215965	25.0
1,4-Methanonaphth...	16.48	133.5	ug/L	1153320	3	13.42	215965	25.0