

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
 Data File : VY003759.D
 Acq On : 14 Dec 2020 19:34
 Operator : SY/MD
 Sample : L5063-07RE
 Misc : 4.37G/10ML/MSVOA Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 C0AD9RE

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 0 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.058	36	39	45	rVB3	2462	4889	0.44%	0.030%
2	2.119	45	49	54	rBV2	3400	5118	0.46%	0.032%
3	2.247	64	70	80	rBV	106259	170226	15.19%	1.057%
4	2.772	148	156	168	rBV	78327	157201	14.03%	0.976%
5	2.973	188	189	192	rVB3	1127	740	0.07%	0.005%
6	3.015	192	196	197	rBV3	943	1219	0.11%	0.008%
7	3.265	229	237	242	rBV5	1016	2431	0.22%	0.015%
8	3.418	260	262	265	rVB2	921	721	0.06%	0.004%
9	3.863	324	335	348	rBV	162078	437582	39.04%	2.717%
10	4.210	383	392	403	rVB5	2290	6787	0.61%	0.042%
11	4.418	422	426	428	rBV3	530	699	0.06%	0.004%
12	4.729	468	477	489	rBV2	10568	33991	3.03%	0.211%
13	4.936	505	511	512	rBV2	1271	1299	0.12%	0.008%
14	5.747	640	644	646	rBV4	1536	2354	0.21%	0.015%
15	6.515	767	770	774	rBV3	365	559	0.05%	0.003%
16	6.795	812	816	818	rBV2	450	595	0.05%	0.004%
17	6.899	823	833	842	rBV	38739	112021	9.99%	0.696%
18	7.003	842	850	864	rVB	13588	45350	4.05%	0.282%
19	7.320	900	902	906	rBV3	494	571	0.05%	0.004%
20	7.490	919	930	945	rVB	176246	446610	39.85%	2.773%
21	7.789	977	979	982	rVV4	433	569	0.05%	0.004%
22	8.118	1021	1033	1050	rBV2	378790	1120794	100.00%	6.959%
23	8.240	1050	1053	1056	rVB3	745	990	0.09%	0.006%
24	8.545	1101	1103	1109	rVB4	688	984	0.09%	0.006%
25	8.697	1117	1128	1137	rBV	299630	599577	53.50%	3.723%
26	8.929	1160	1166	1173	rBV2	9909	19065	1.70%	0.118%
27	9.124	1190	1198	1208	rBV	241333	489318	43.66%	3.038%
28	9.514	1254	1262	1263	rBV3	861	952	0.08%	0.006%
29	9.892	1315	1324	1333	rVV	146383	255805	22.82%	1.588%
30	9.971	1335	1337	1342	rVV4	696	966	0.09%	0.006%
31	10.057	1347	1351	1352	rBV3	756	806	0.07%	0.005%
32	10.075	1352	1354	1360	rVB2	1667	1932	0.17%	0.012%
33	10.179	1363	1371	1378	rBV	465120	813042	72.54%	5.048%
34	10.246	1378	1382	1387	rVB2	7605	13761	1.23%	0.085%

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35	10.337	1394	1397	1400	rBV3	636	1000	0.09%	0.006%
36	10.368	1400	1402	1405	rVV3	873	821	0.07%	0.005%
37	10.441	1407	1414	1423	rVV	98778	162351	14.49%	1.008%
38	10.526	1423	1428	1431	rVB5	1282	2570	0.23%	0.016%
39	10.581	1431	1437	1443	rBV	14503	26514	2.37%	0.165%
40	10.624	1443	1444	1447	rVB2	1299	689	0.06%	0.004%
41	10.715	1456	1459	1464	rBV5	1195	1844	0.16%	0.011%
42	10.788	1464	1471	1484	rBV	167001	262228	23.40%	1.628%
43	10.880	1484	1486	1488	rVV3	622	561	0.05%	0.003%
44	10.953	1488	1498	1509	rVV	23043	52576	4.69%	0.326%
45	11.032	1509	1511	1516	rVV5	3444	5519	0.49%	0.034%
46	11.087	1516	1520	1526	rVV4	4892	9000	0.80%	0.056%
47	11.148	1526	1530	1532	rVV3	1071	1252	0.11%	0.008%
48	11.203	1535	1539	1543	rVB5	2031	3175	0.28%	0.020%
49	11.319	1549	1558	1564	rVB5	7674	19173	1.71%	0.119%
50	11.380	1564	1568	1570	rBV2	1017	1393	0.12%	0.009%
51	11.490	1577	1586	1596	rBV	369021	600762	53.60%	3.730%
52	11.587	1599	1602	1605	rBV3	2357	2994	0.27%	0.019%
53	11.624	1605	1608	1612	rVB4	2732	4124	0.37%	0.026%
54	11.697	1612	1620	1625	rBV3	11559	26769	2.39%	0.166%
55	11.837	1639	1643	1646	rBV3	1777	2880	0.26%	0.018%
56	11.898	1649	1653	1661	rBV7	2192	3823	0.34%	0.024%
57	12.002	1663	1670	1671	rBV3	10173	16642	1.48%	0.103%
58	12.203	1698	1703	1705	rBV3	10869	17073	1.52%	0.106%
59	12.325	1719	1723	1729	rVB6	7239	12138	1.08%	0.075%
60	12.489	1744	1750	1755	rBV	23901	40419	3.61%	0.251%
61	12.556	1755	1761	1770	rVV	164648	278822	24.88%	1.731%
62	12.642	1770	1775	1783	rVB3	32860	61109	5.45%	0.379%
63	12.733	1784	1790	1793	rBV2	30979	52942	4.72%	0.329%
64	12.812	1797	1803	1815	rVB3	76363	150858	13.46%	0.937%
65	12.971	1826	1829	1836	rVB2	34968	57326	5.11%	0.356%
66	13.038	1837	1840	1848	rBV8	12116	27162	2.42%	0.169%
67	13.117	1848	1853	1858	rBV	112202	174898	15.60%	1.086%
68	13.251	1870	1875	1878	rBV	18362	31884	2.84%	0.198%
69	13.312	1882	1885	1889	rVB2	29700	43784	3.91%	0.272%
70	13.422	1898	1903	1907	rBV	239003	396730	35.40%	2.463%
71	13.568	1923	1927	1929	rBV3	18579	27115	2.42%	0.168%

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Integration Parameters: LSCINT.P

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72	13.623	1932	1936	1939	rVV2	60717	99840	8.91%	0.620%
73	13.660	1939	1942	1947	rVV2	124438	191624	17.10%	1.190%
74	13.721	1947	1952	1962	rVB	251963	565414	50.45%	3.511%
75	13.818	1965	1968	1973	rVV	42962	70741	6.31%	0.439%
76	13.885	1974	1979	1981	rVV	92912	148376	13.24%	0.921%
77	13.916	1981	1984	1988	rVV	78826	114379	10.21%	0.710%
78	13.971	1988	1993	1998	rVB	124350	183974	16.41%	1.142%
79	14.081	2006	2011	2015	rVB	136170	207234	18.49%	1.287%
80	14.129	2015	2019	2027	rVB3	46419	100645	8.98%	0.625%
81	14.215	2027	2033	2036	rBV	70967	124625	11.12%	0.774%
82	14.257	2036	2040	2042	rVV3	63559	94364	8.42%	0.586%
83	14.294	2043	2046	2049	rVV	110022	173605	15.49%	1.078%
84	14.330	2049	2052	2057	rVB	208009	296069	26.42%	1.838%
85	14.379	2057	2060	2063	rBV	89005	119277	10.64%	0.741%
86	14.416	2063	2066	2075	rVB3	144471	226390	20.20%	1.406%
87	14.568	2086	2091	2095	rBV3	102156	187355	16.72%	1.163%
88	14.611	2095	2098	2102	rVB	143970	190672	17.01%	1.184%
89	14.672	2102	2108	2115	rBV2	416012	882491	78.74%	5.479%
90	14.733	2115	2118	2124	rVB5	70578	116335	10.38%	0.722%
91	14.946	2148	2153	2155	rBV3	244063	411628	36.73%	2.556%
92	15.056	2165	2171	2178	rVB2	380828	798533	71.25%	4.958%
93	15.196	2190	2194	2195	rBV	97495	135787	12.12%	0.843%
94	15.434	2230	2233	2241	rVB4	148548	264434	23.59%	1.642%
95	15.525	2243	2248	2254	rBV	211111	395047	35.25%	2.453%
96	15.812	2292	2295	2300	rVB3	205334	316282	28.22%	1.964%
97	15.879	2301	2306	2311	rBV3	215132	470887	42.01%	2.924%
98	16.031	2326	2331	2336	rVB2	201084	364663	32.54%	2.264%
99	16.287	2369	2373	2378	rVB	327983	548991	48.98%	3.409%
100	16.483	2399	2405	2419	rVB2	381313	975512	87.04%	6.057%

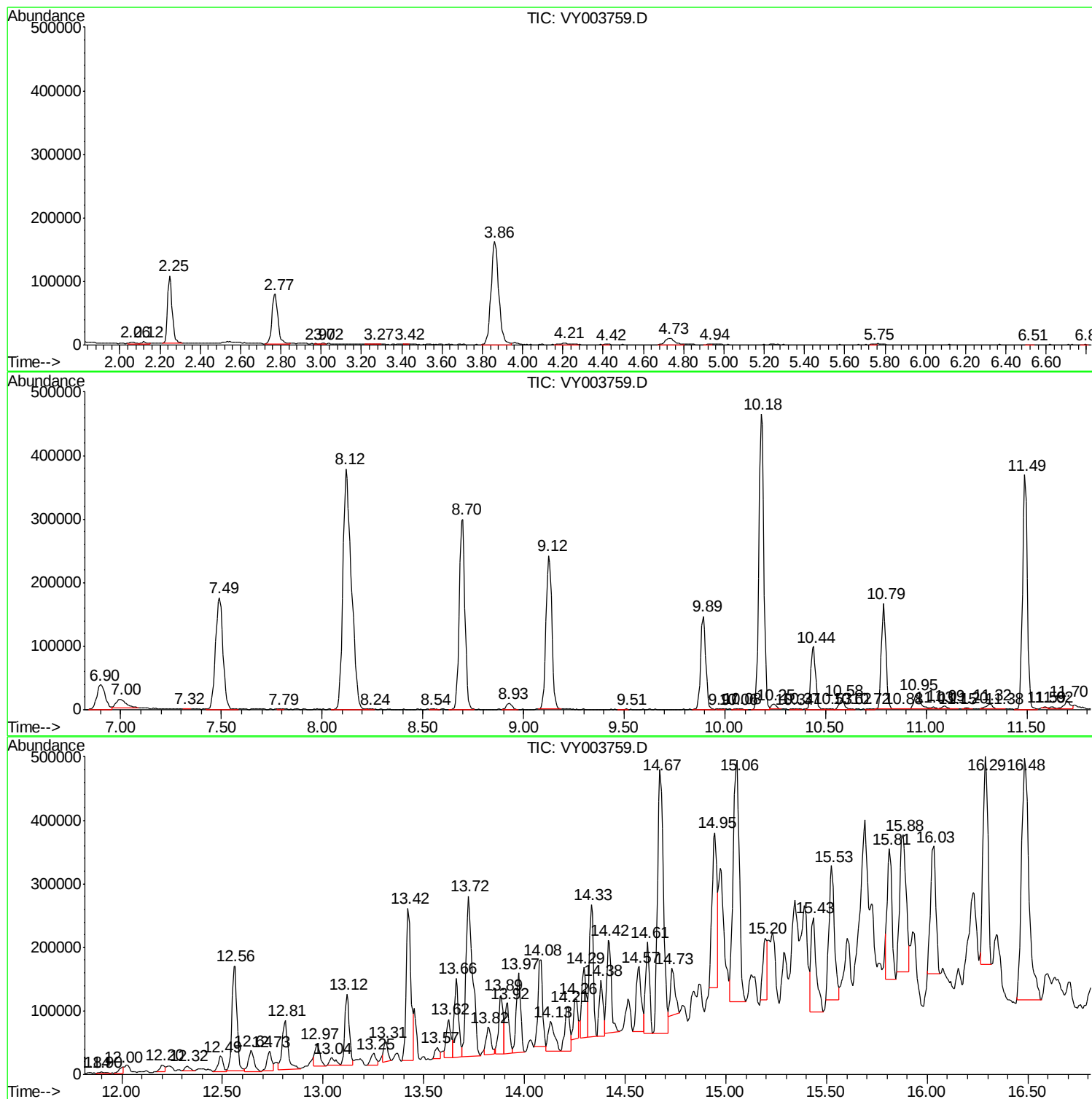
Sum of corrected areas: 16105618

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

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



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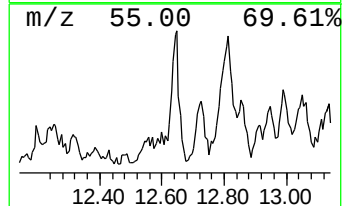
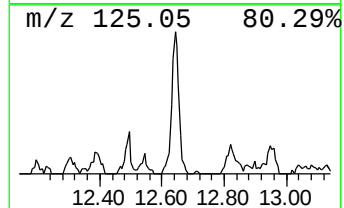
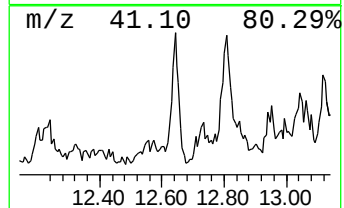
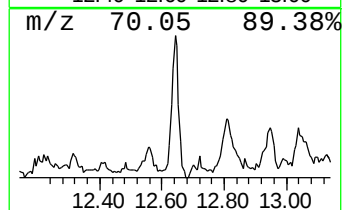
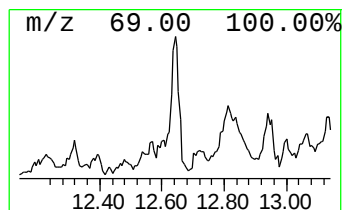
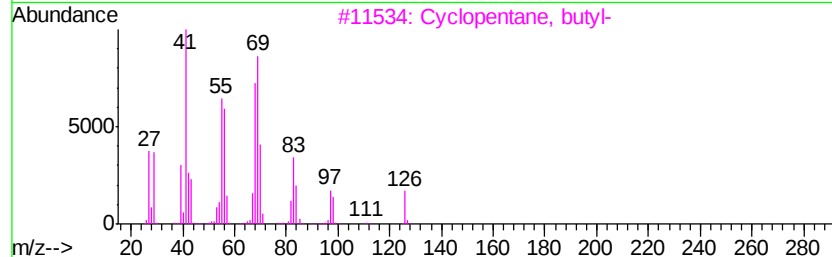
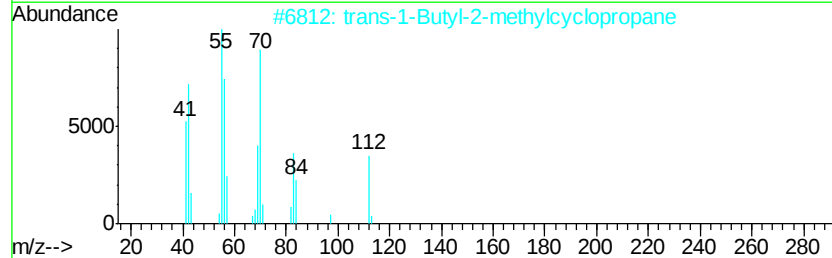
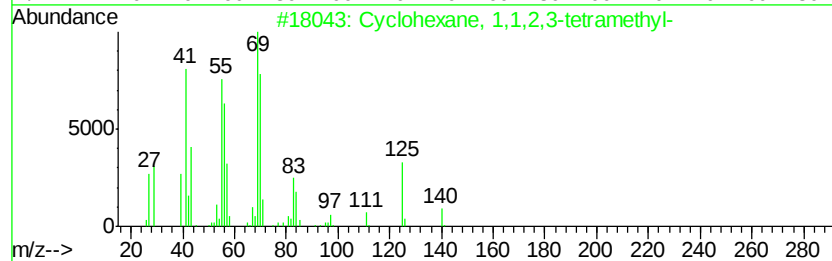
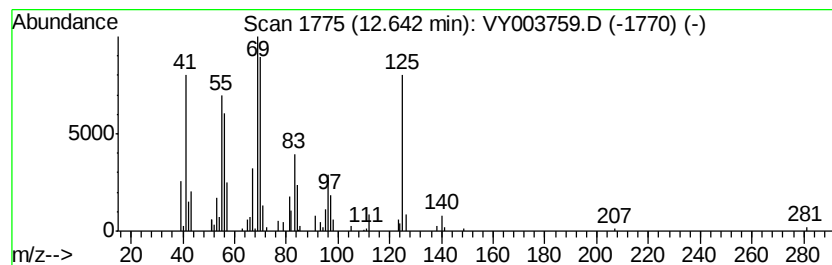
Instrument :
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM121420S.M
Quant Title : VOC Analysis

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

Peak Number 5 (DEL) Alkane: Cyclic12.64 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.64	3.85 ug/L	61109	1,4-Dichlorobenzene-d4	13.42	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cvclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	52
2	trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	50
3	Cvclopentane, butyl-	126	C9H18	002040-95-1	49
4	cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	46
5	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	46



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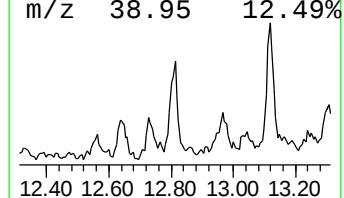
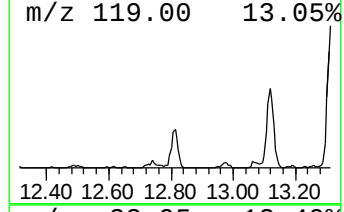
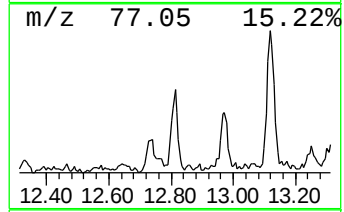
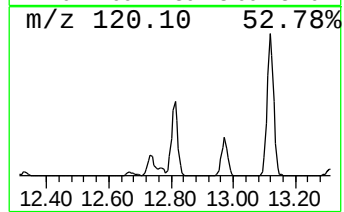
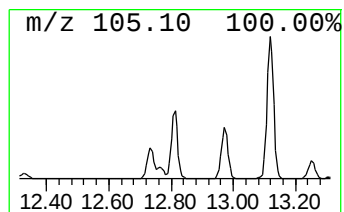
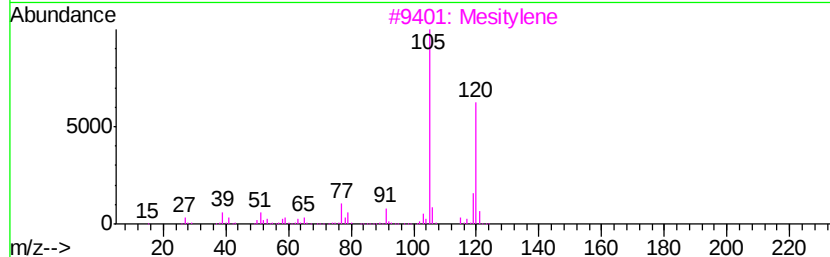
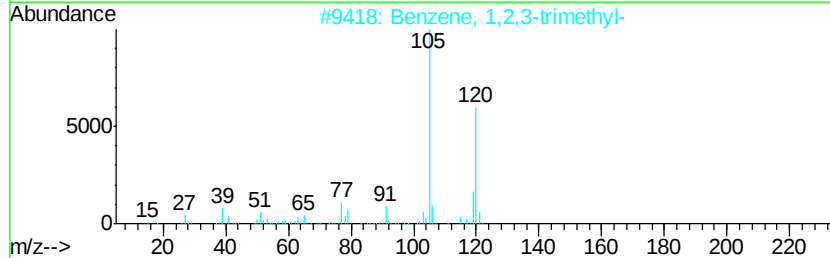
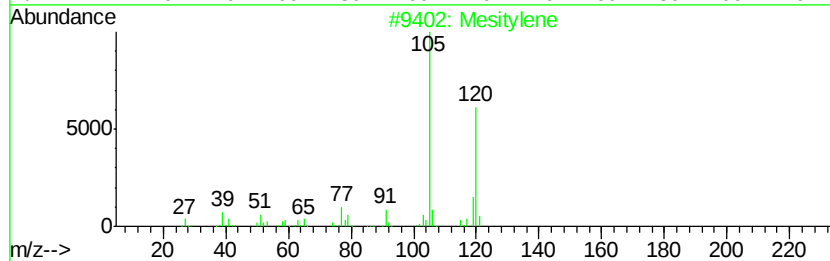
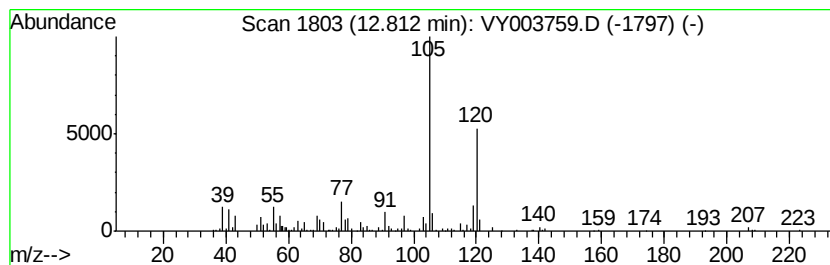
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Quant Title : VOC Analysis

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

Peak Number 7 Mesitylene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.81	9.51 ug/L	150858	1,4-Dichlorobenzene-d4	13.42

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



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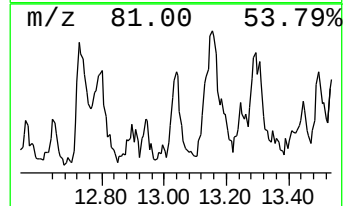
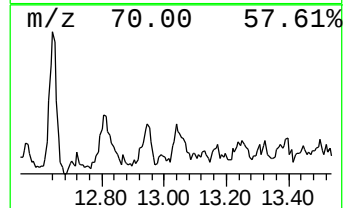
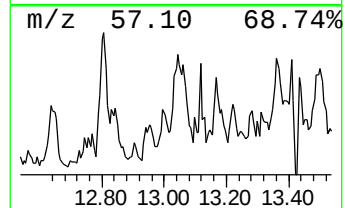
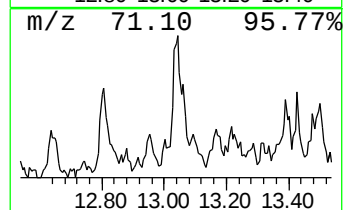
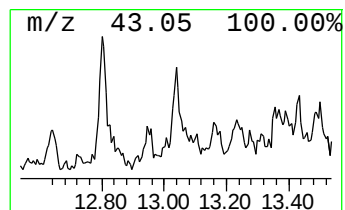
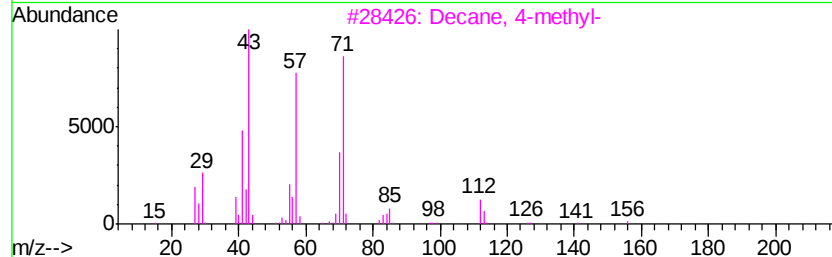
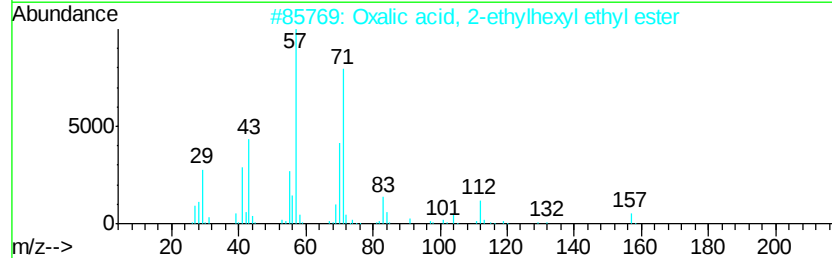
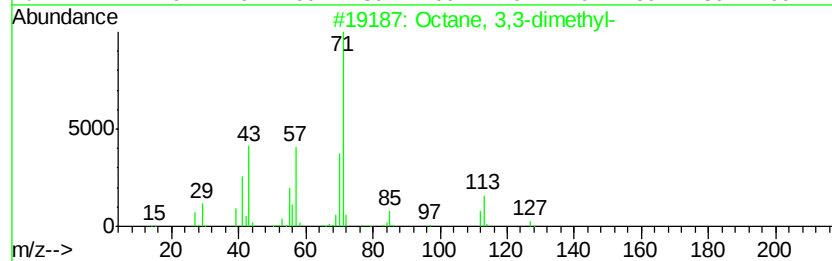
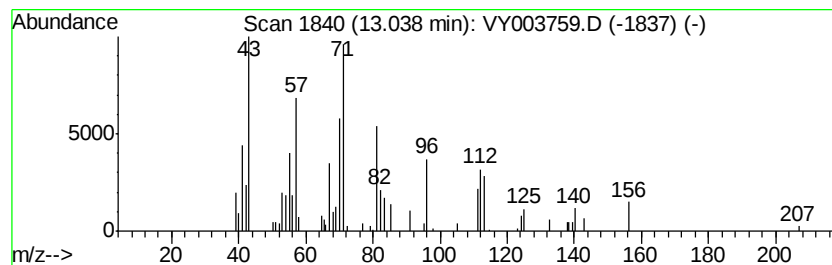
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TIC Integration Parameters: LSCINT.P

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.04	1.71 ug/L	27162	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	43
2		Oxalic acid, 2-ethylhexyl ethyl ...	230	C12H22O4	1000309-38-4	43
3		Decane, 4-methyl-	156	C11H24	002847-72-5	40
4		Sulfurous acid, octyl 2-pentyl e...	264	C13H28O3S	1000309-15-7	38
5		Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003759.D
Acq On : 14 Dec 2020 19:34
Operator : SY/MD
Sample : L5063-07RE
Misc : 4.37G/10ML/MSVOA Y/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD9RE

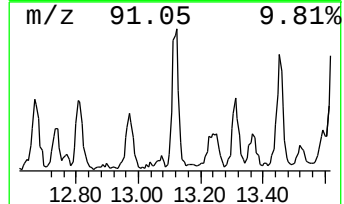
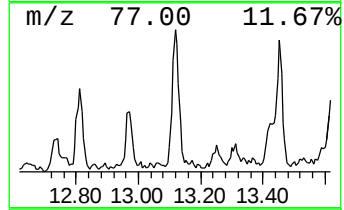
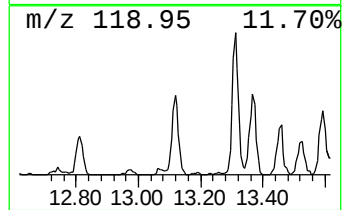
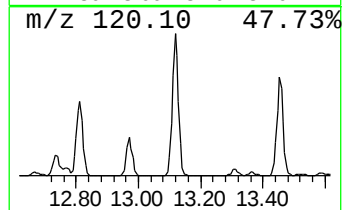
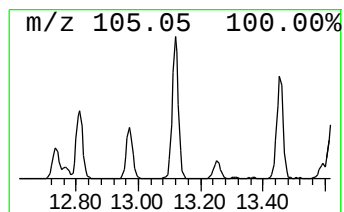
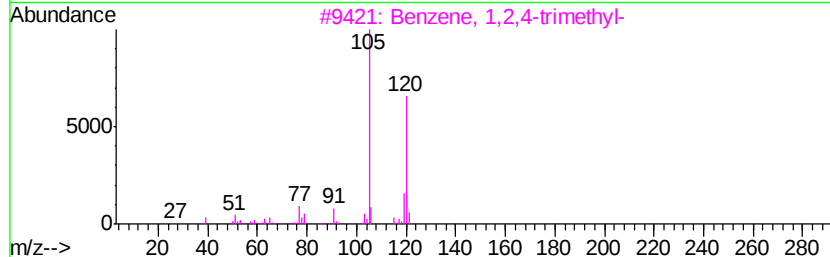
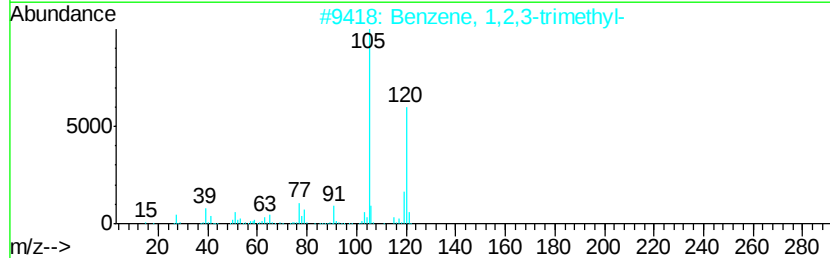
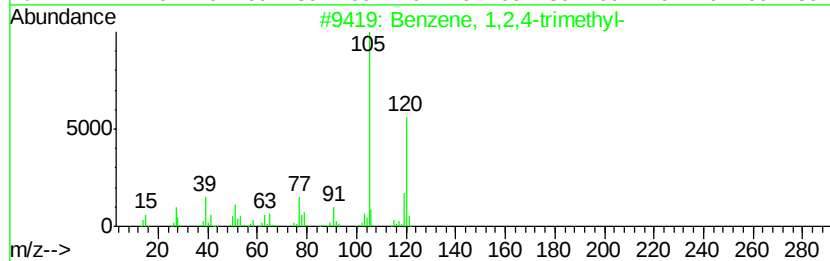
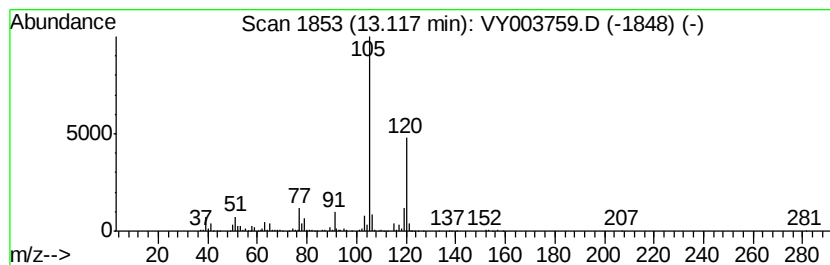
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Quant Title : VOC Analysis

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

Peak Number 10 Benzene, 1,2,4-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	11.02 ug/L	174898	1,4-Dichlorobenzene-d4	13.42

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003759.D
Acq On : 14 Dec 2020 19:34
Operator : SY/MD
Sample : L5063-07RE
Misc : 4.37G/10ML/MSVOA Y/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD9RE

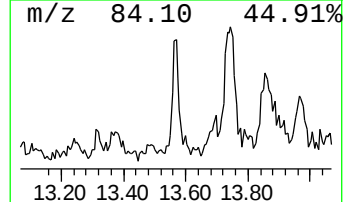
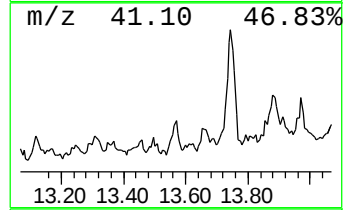
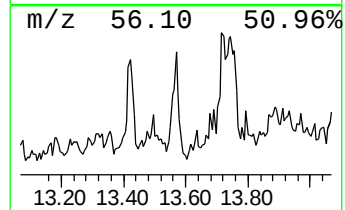
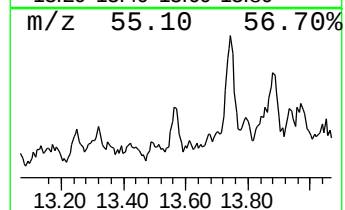
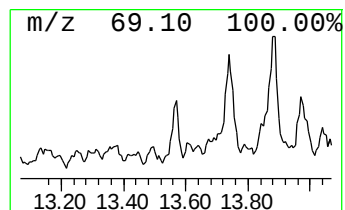
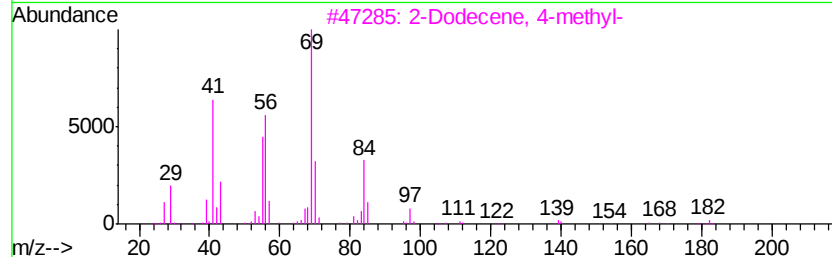
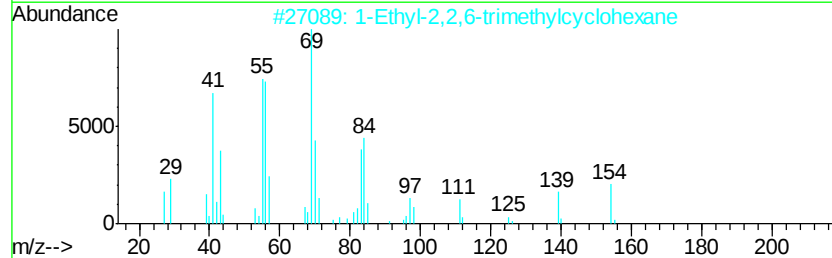
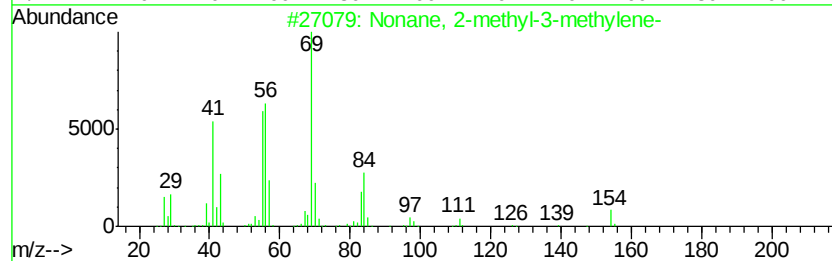
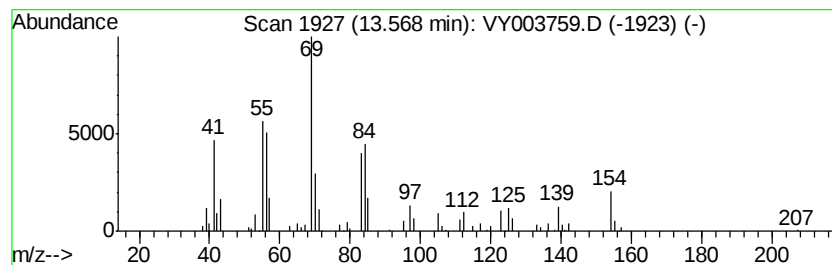
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Quant Title : VOC Analysis

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

Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.57	1.71 ug/L	27115	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 2-methyl-3-methylene-	154	C11H22	055499-08-6	68
2		1-Ethyl-2,2,6-trimethylcyclohexane	154	C11H22	071186-27-1	64
3		2-Dodecene, 4-methyl-	182	C13H26	056851-45-7	50
4		3-Undecene, 2-methyl-, (Z)-	168	C12H24	074630-48-1	47
5		Cyclopropane, 1,2-dimethyl-1-pen...	140	C10H20	062238-04-4	46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003759.D
Acq On : 14 Dec 2020 19:34
Operator : SY/MD
Sample : L5063-07RE
Misc : 4.37G/10ML/MSVOA Y/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
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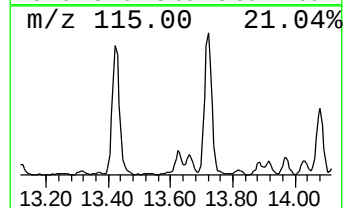
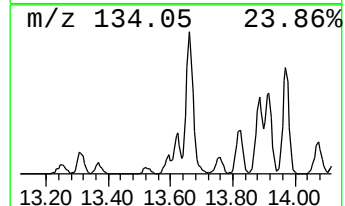
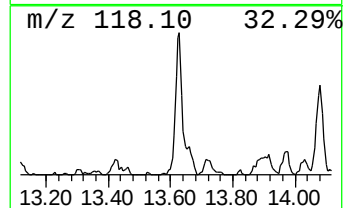
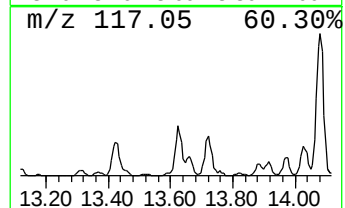
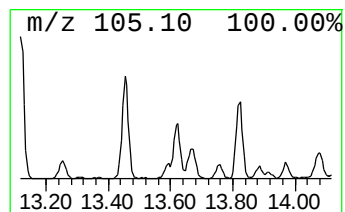
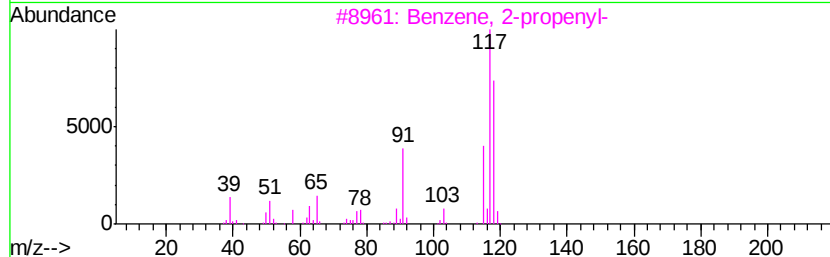
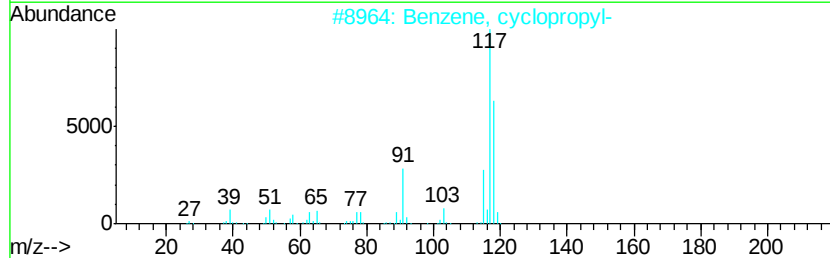
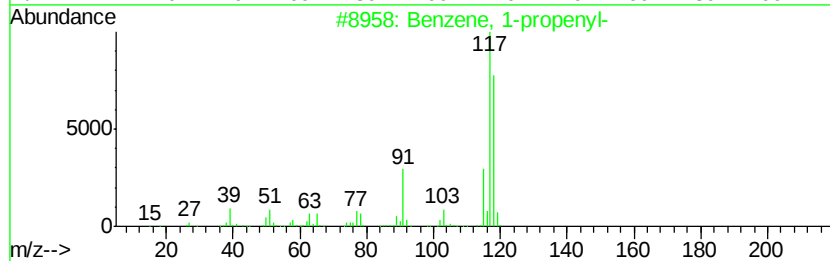
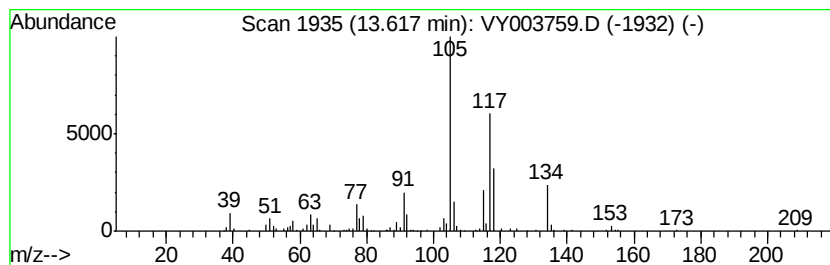
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Quant Title : VOC Analysis

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

Peak Number 14 Benzene, 1-propenyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.62	6.29 ug/L	99840	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	60
2		Benzene, cyclopropyl-	118	C9H10	000873-49-4	60
3		Benzene, 2-propenyl-	118	C9H10	000300-57-2	60
4		Benzene, cyclopropyl-	118	C9H10	000873-49-4	53
5		Indane	118	C9H10	000496-11-7	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003759.D
Acq On : 14 Dec 2020 19:34
Operator : SY/MD
Sample : L5063-07RE
Misc : 4.37G/10ML/MSVOA Y/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD9RE

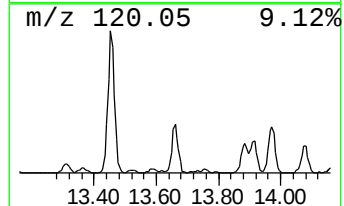
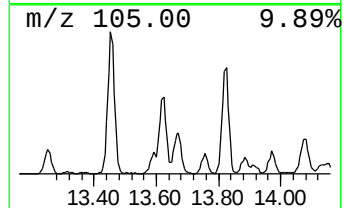
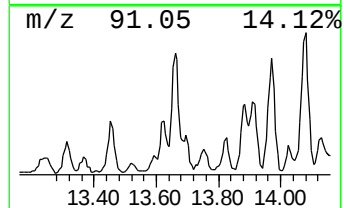
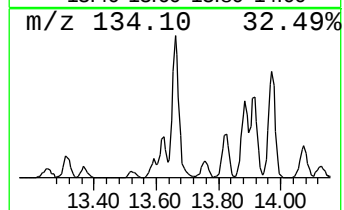
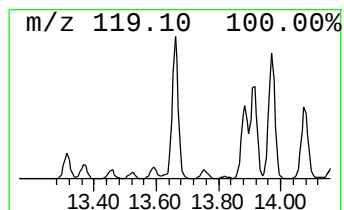
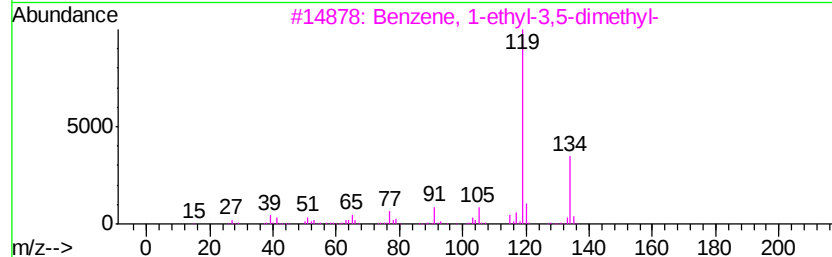
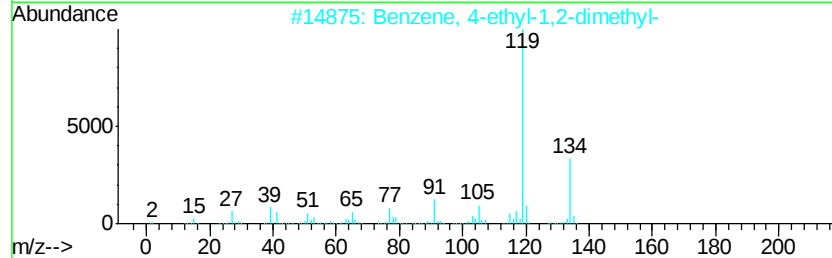
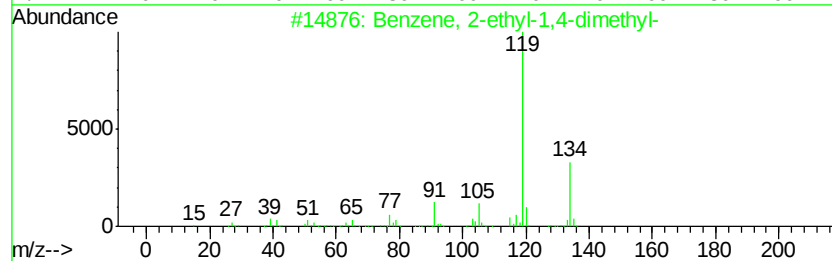
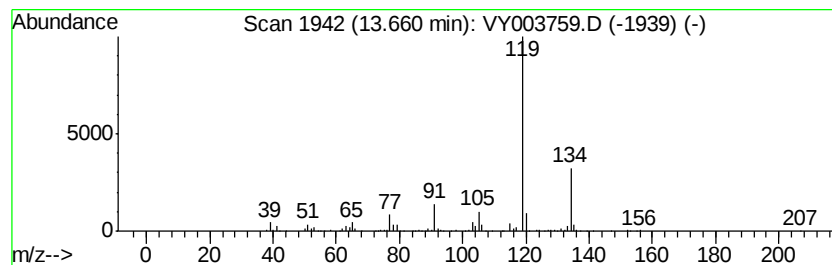
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Quant Title : VOC Analysis

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

Peak Number 15 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.66	12.08 ug/L	191624	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, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91
3		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
4		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
5		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003759.D
Acq On : 14 Dec 2020 19:34
Operator : SY/MD
Sample : L5063-07RE
Misc : 4.37G/10ML/MSVOA Y/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
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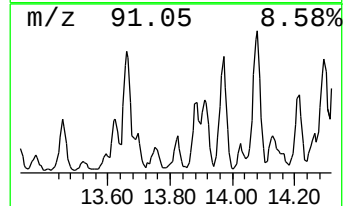
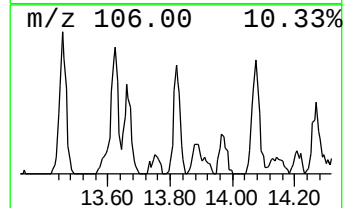
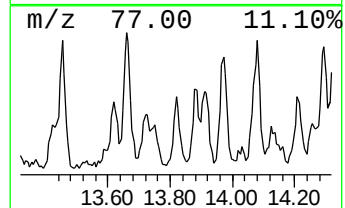
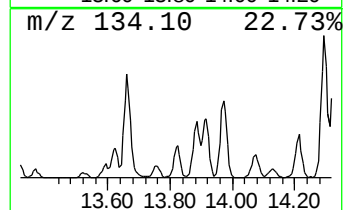
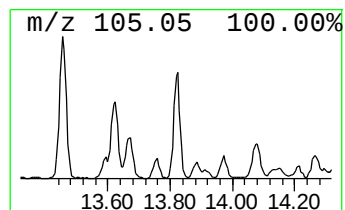
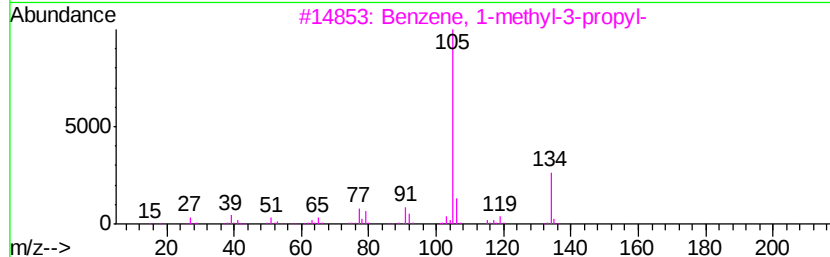
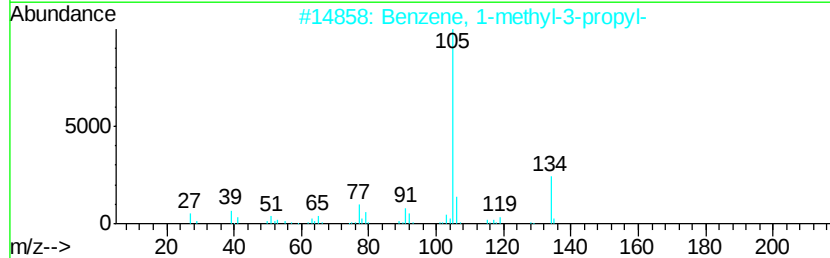
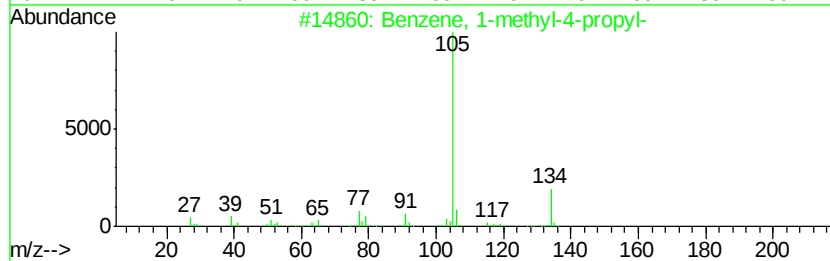
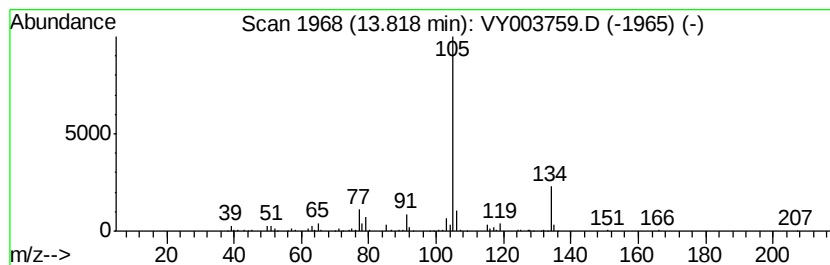
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Quant Title : VOC Analysis

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

Peak Number 16 Benzene, 1-methyl-4-propyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.82	4.46 ug/L	70741	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
2		Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	91
3		Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	91
4		Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	91
5		Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003759.D
Acq On : 14 Dec 2020 19:34
Operator : SY/MD
Sample : L5063-07RE
Misc : 4.37G/10ML/MSVOA Y/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD9RE

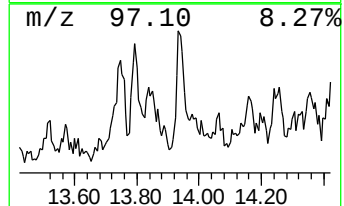
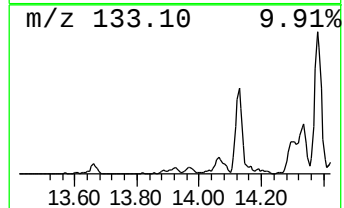
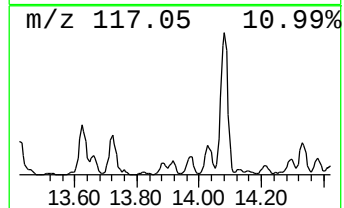
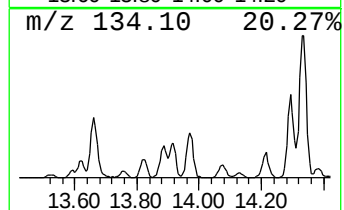
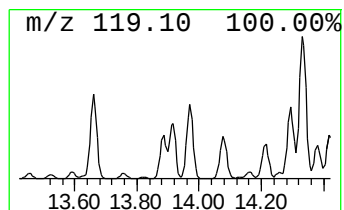
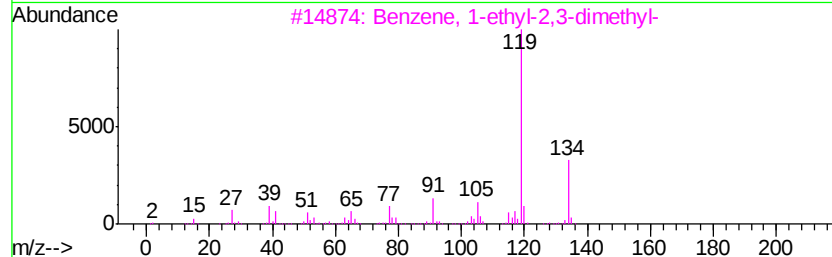
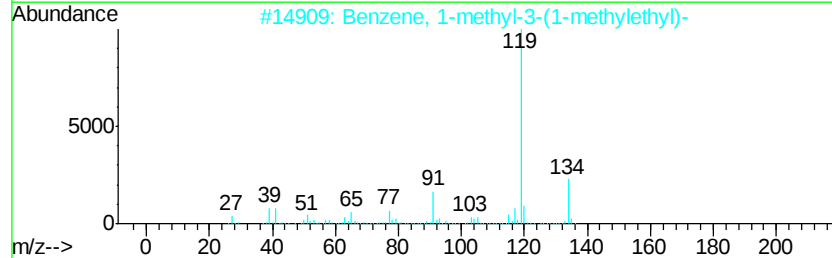
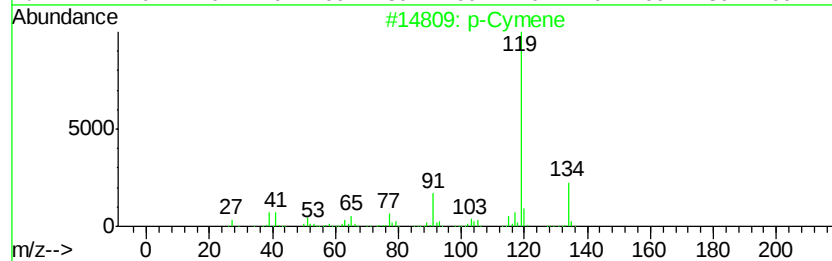
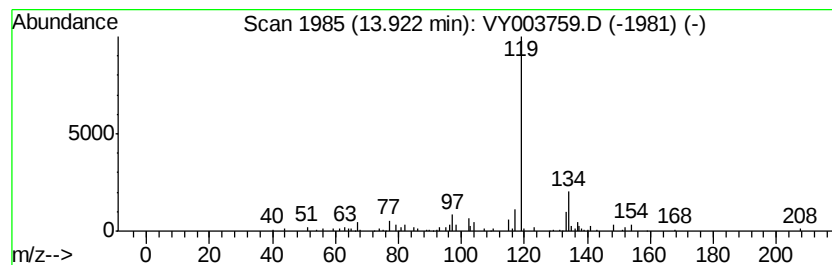
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Quant Title : VOC Analysis

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

Peak Number 18 p-Cymene Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.92	7.21 ug/L	114379	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	p-Cymene	134	C10H14	000099-87-6	90
2		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	90
3		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	86
4		Benzene, tert-butyl-	134	C10H14	000098-06-6	80
5		o-Cymene	134	C10H14	000527-84-4	80



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003759.D
Acq On : 14 Dec 2020 19:34
Operator : SY/MD
Sample : L5063-07RE
Misc : 4.37G/10ML/MSVOA Y/SOIL
ALS Vial : 22 Sample Multiplier: 1

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ClientSampleId :
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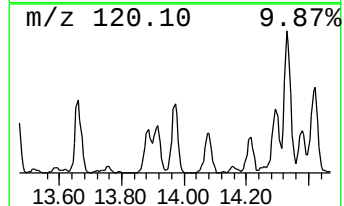
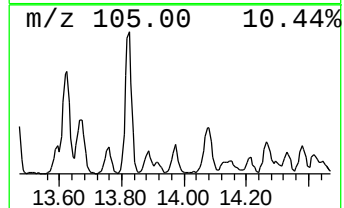
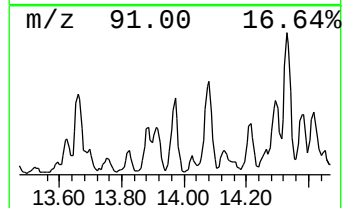
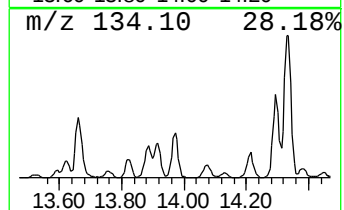
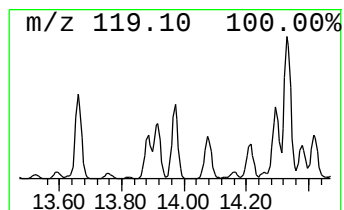
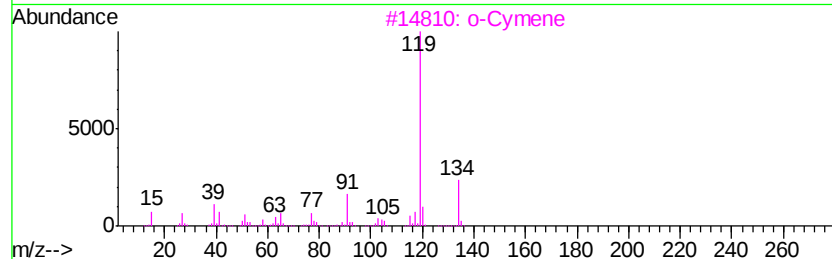
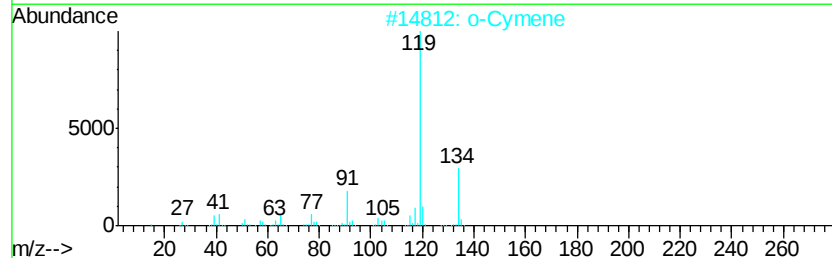
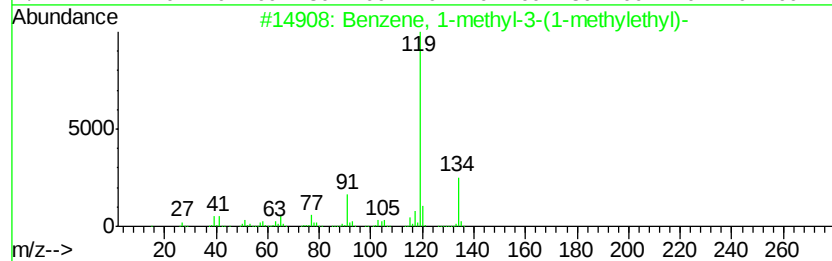
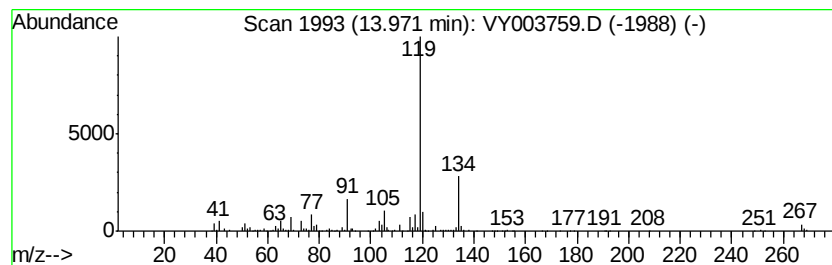
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Quant Title : VOC Analysis

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

Peak Number 19 Benzene, 1-methyl-3-(1-meth... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	11.59 ug/L	183974	1,4-Dichlorobenzene-d4	13.42

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003759.D
Acq On : 14 Dec 2020 19:34
Operator : SY/MD
Sample : L5063-07RE
Misc : 4.37G/10ML/MSVOA Y/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD9RE

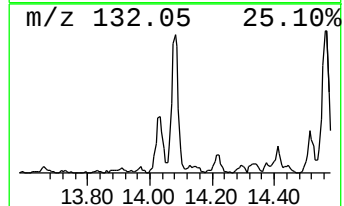
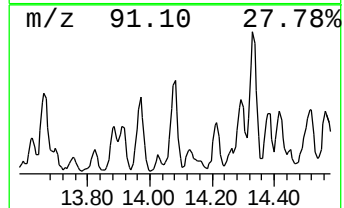
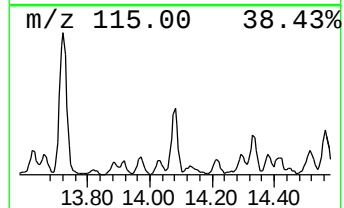
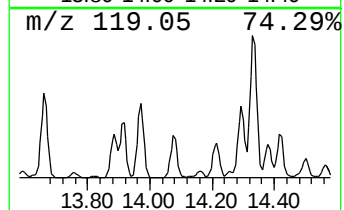
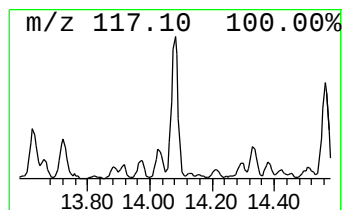
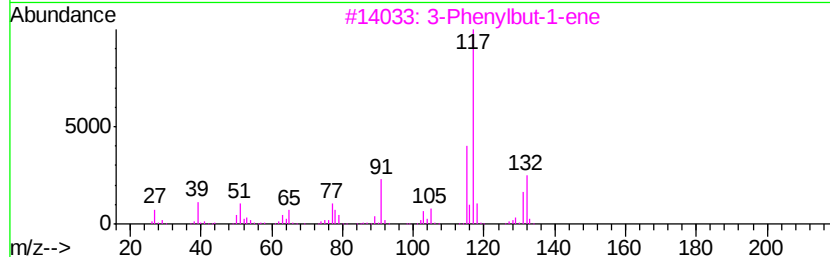
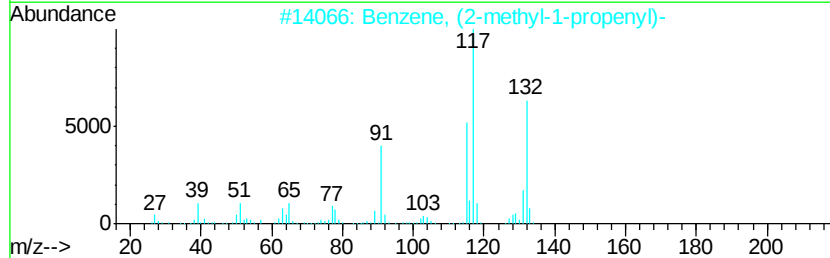
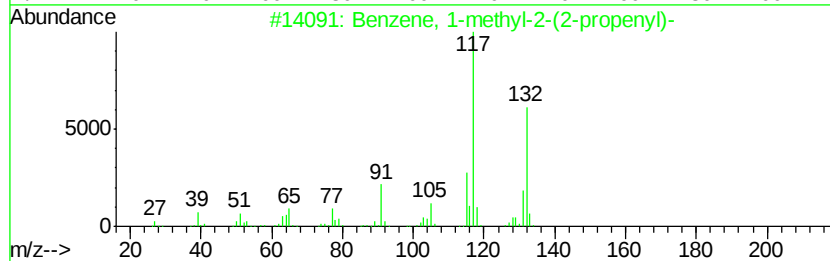
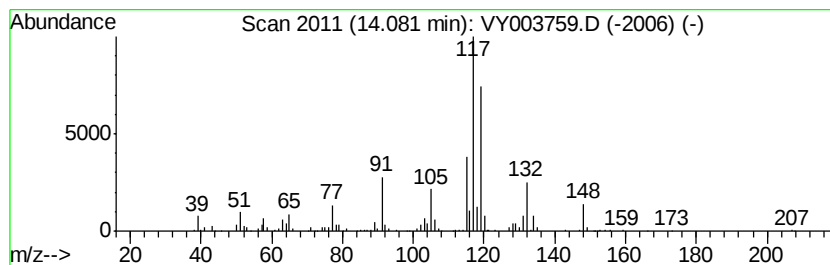
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Quant Title : VOC Analysis

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

Peak Number 20 Benzene, 1-methyl-2-(2-prop... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.08	13.06 ug/L	207234	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	58
2		Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	55
3		3-Phenylbut-1-ene	132	C10H12	000934-10-1	55
4		Benzene, 2-butenyl-	132	C10H12	001560-06-1	55
5		Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003759.D
Acq On : 14 Dec 2020 19:34
Operator : SY/MD
Sample : L5063-07RE
Misc : 4.37G/10ML/MSVOA Y/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD9RE

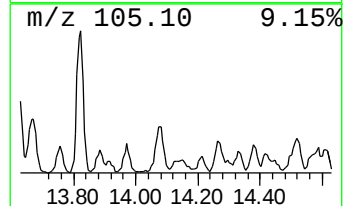
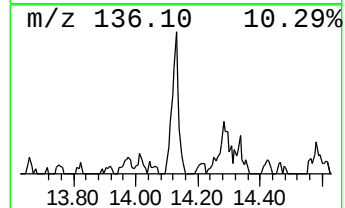
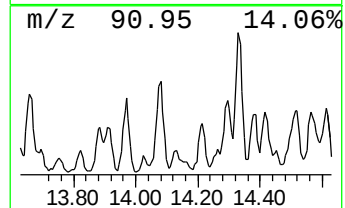
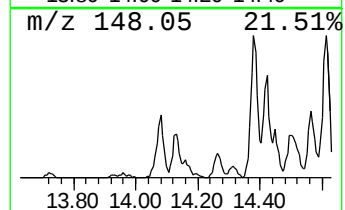
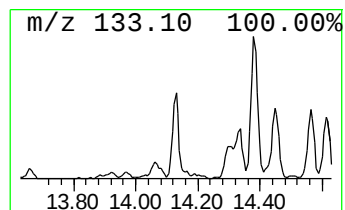
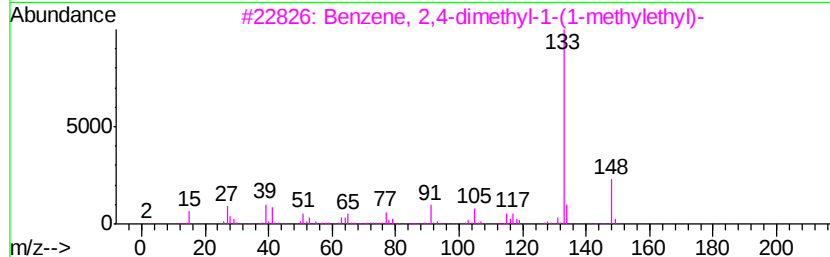
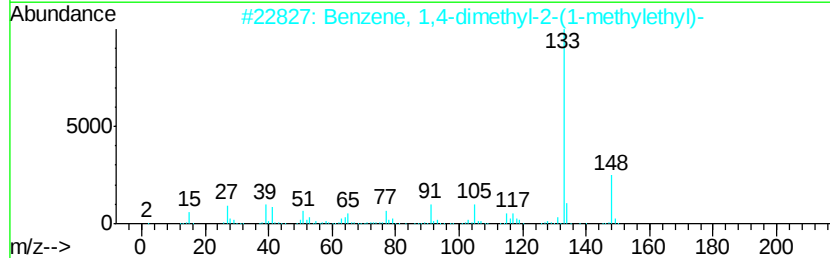
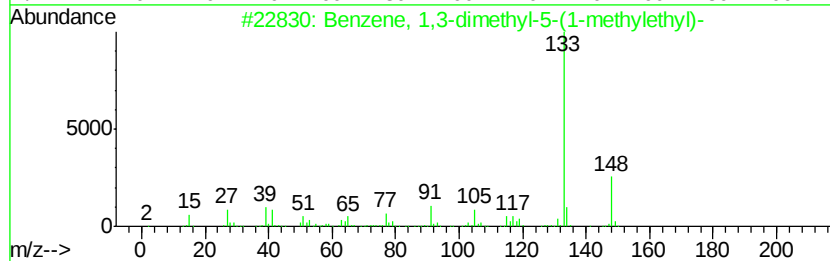
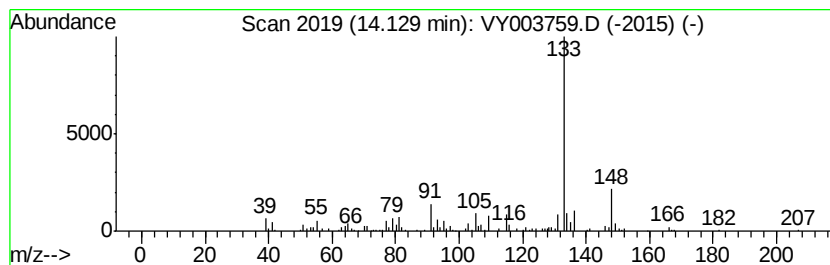
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Quant Title : VOC Analysis

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

Peak Number 21 Benzene, 1,3-dimethyl-5-(1-... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.13	6.34 ug/L	100645	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,3-dimethyl-5-(1-methyl-...	148	C11H16	004706-90-5	81
2		Benzene, 1,4-dimethyl-2-(1-methyl-...	148	C11H16	004132-72-3	72
3		Benzene, 2,4-dimethyl-1-(1-methyl-...	148	C11H16	004706-89-2	72
4		3,4-Dimethylcumene	148	C11H16	1000370-34-1	68
5		4-tert-Butyltoluene	148	C11H16	000098-51-1	68



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003759.D
Acq On : 14 Dec 2020 19:34
Operator : SY/MD
Sample : L5063-07RE
Misc : 4.37G/10ML/MSVOA Y/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD9RE

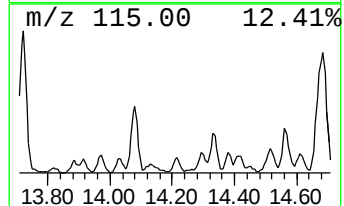
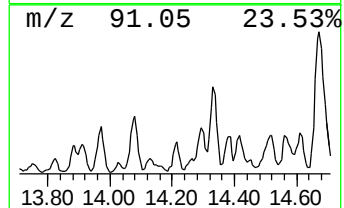
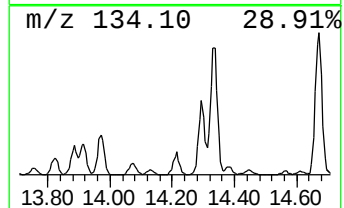
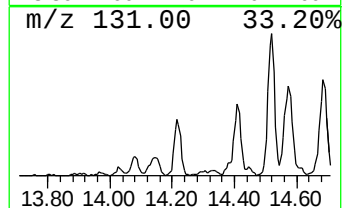
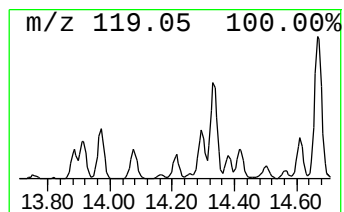
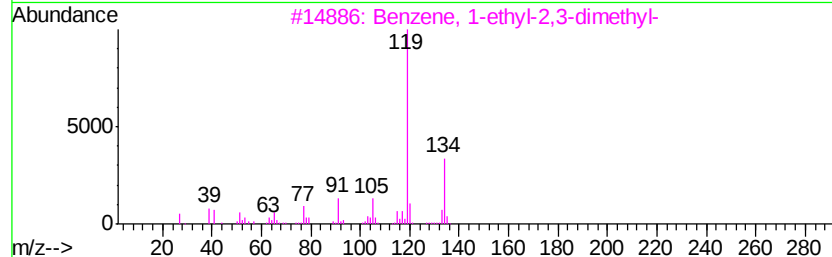
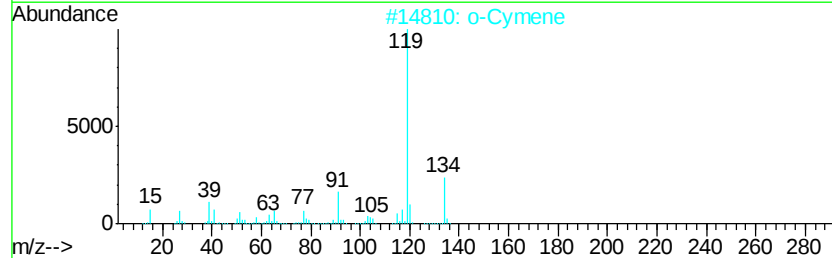
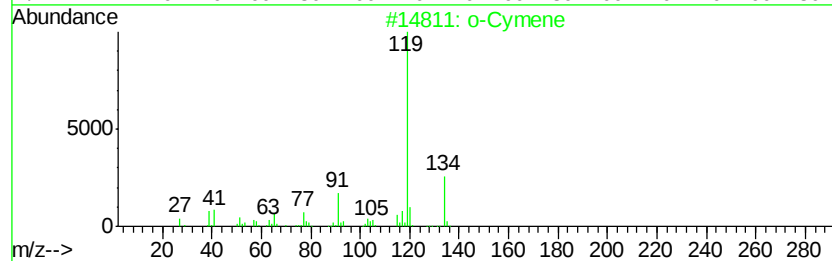
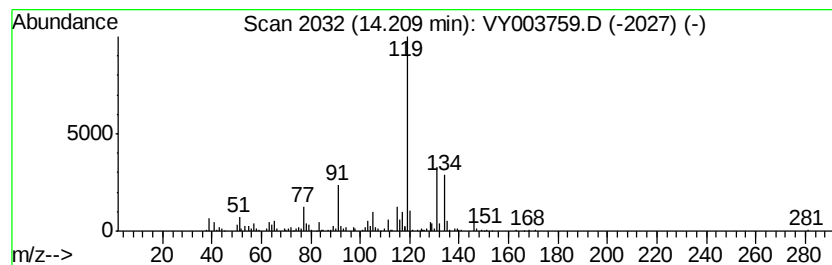
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Quant Title : VOC Analysis

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

Peak Number 22 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	7.85 ug/L	124625	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	o-Cymene	134	C10H14	000527-84-4	94
2		o-Cymene	134	C10H14	000527-84-4	93
3		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	76
4		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	76
5		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	76



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003759.D
Acq On : 14 Dec 2020 19:34
Operator : SY/MD
Sample : L5063-07RE
Misc : 4.37G/10ML/MSVOA Y/SOIL
ALS Vial : 22 Sample Multiplier: 1

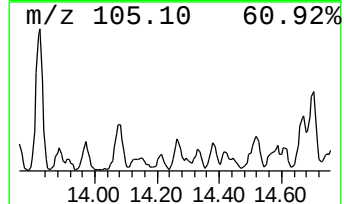
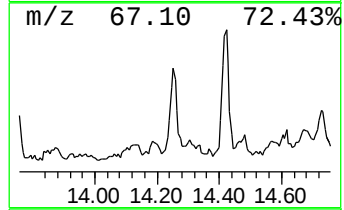
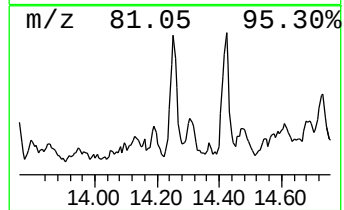
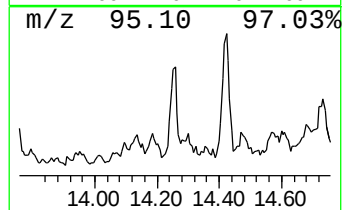
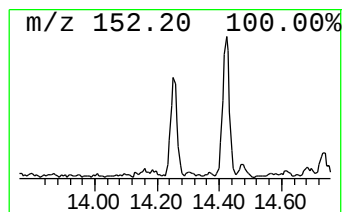
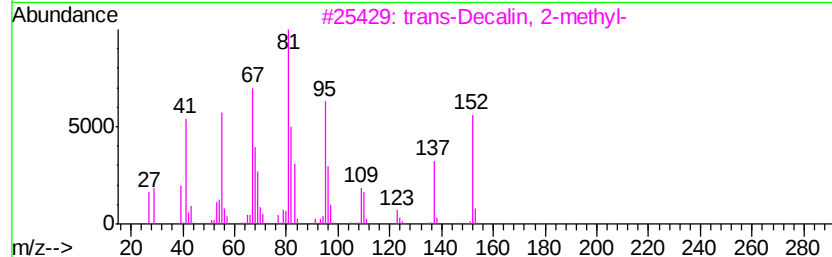
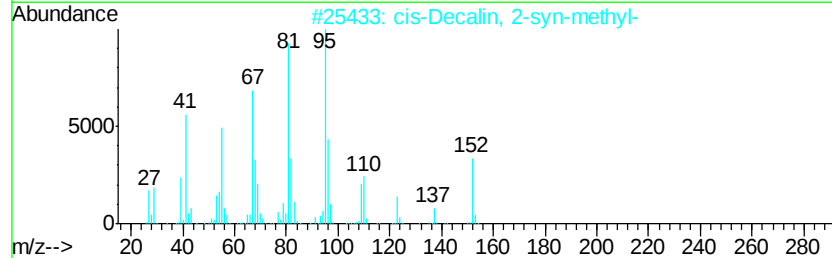
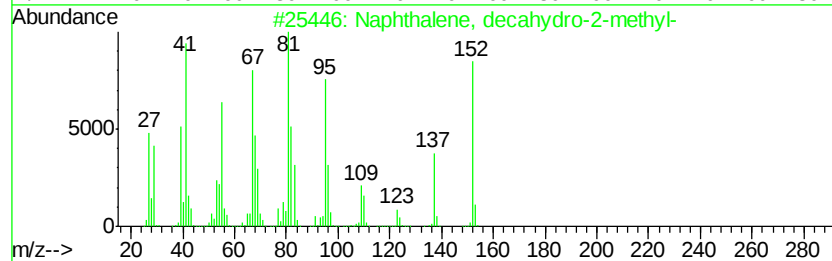
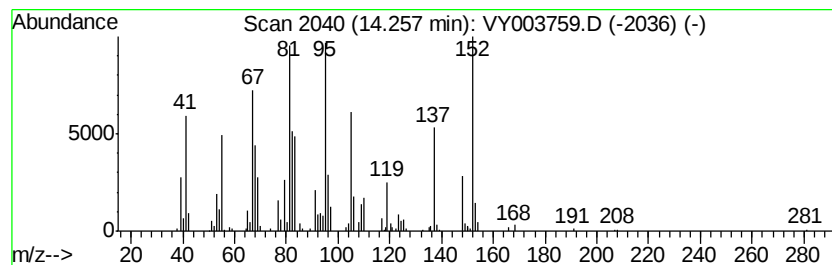
Instrument :
MSVOA_Y
ClientSampleId :
C0AD9RE

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Quant Title : VOC Analysis

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

Peak Number 23 Naphthalene, decahydro-2-me... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.26	5.95 ug/L	94364	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 62
3		trans-Decalin, 2-methyl-	152 C11H20	1000152-47-3 58
4		Cyclohexanone, 5-methyl-2-(1-met...	152 C10H16O	015932-80-6 55
5		Pulegone	152 C10H16O	000089-82-7 50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003759.D
Acq On : 14 Dec 2020 19:34
Operator : SY/MD
Sample : L5063-07RE
Misc : 4.37G/10ML/MSVOA Y/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD9RE

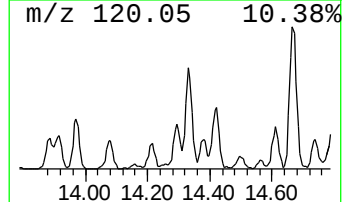
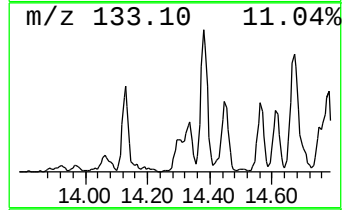
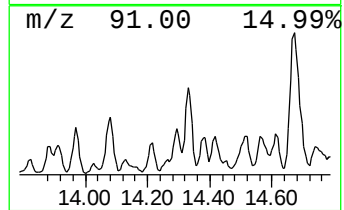
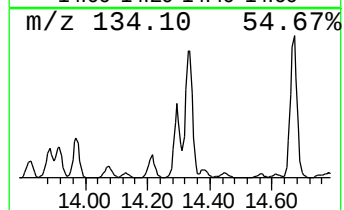
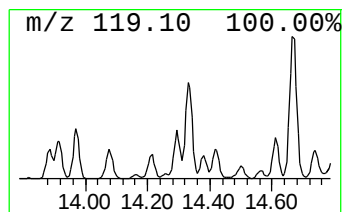
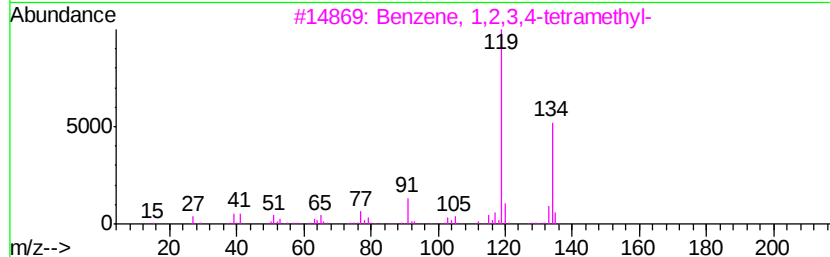
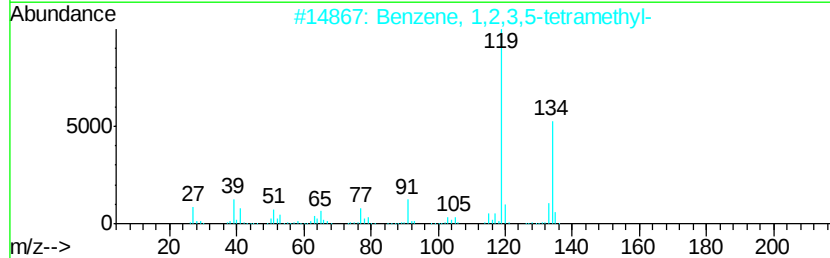
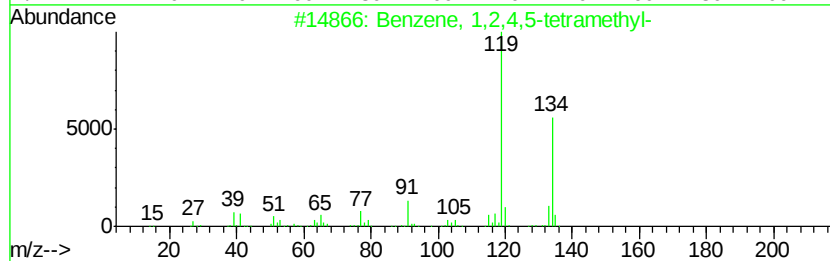
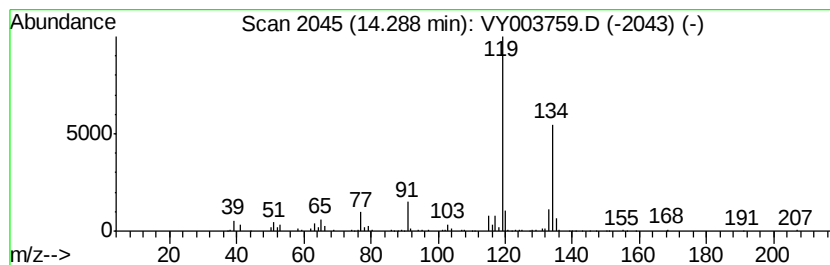
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Quant Title : VOC Analysis

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

Peak Number 24 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.29	10.94 ug/L	173605	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	94
2		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
3		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
4		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
5		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003759.D
Acq On : 14 Dec 2020 19:34
Operator : SY/MD
Sample : L5063-07RE
Misc : 4.37G/10ML/MSVOA Y/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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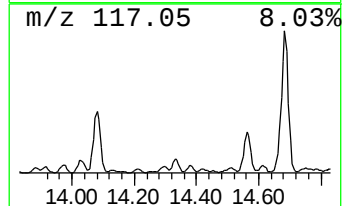
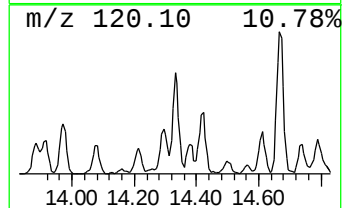
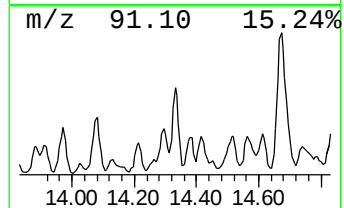
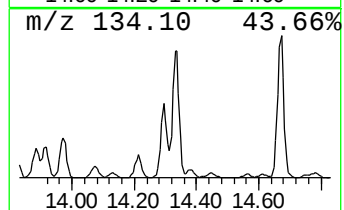
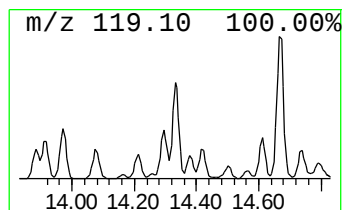
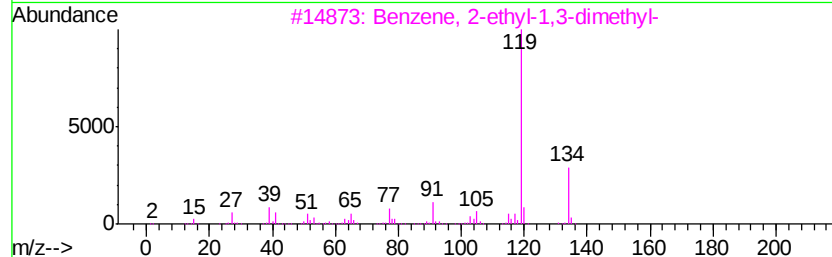
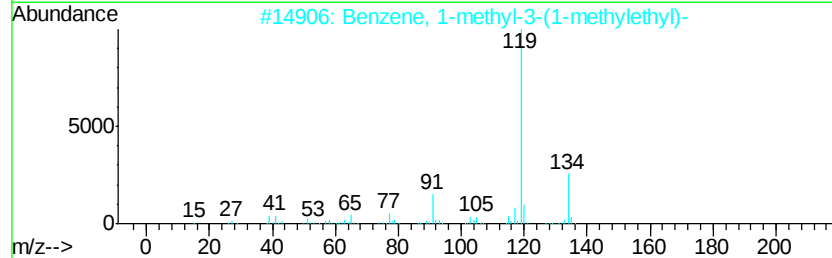
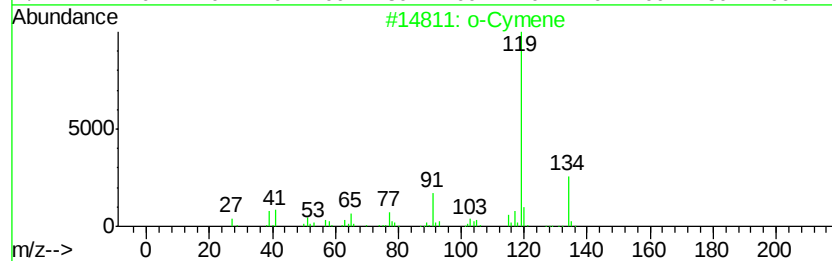
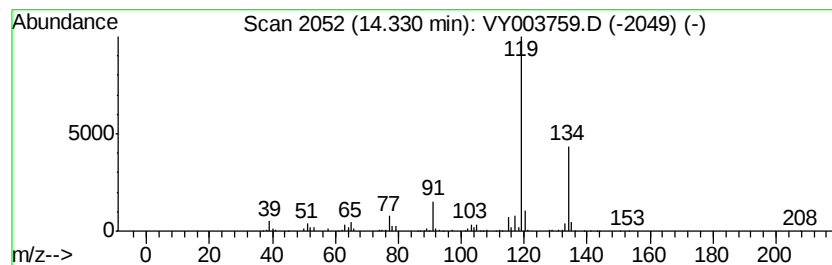
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Quant Title : VOC Analysis

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

Peak Number 25 o-Cymene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.33	18.66 ug/L	296069	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	o-Cymene	134	C10H14	000527-84-4	95
2		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
3		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
4		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
5		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003759.D
Acq On : 14 Dec 2020 19:34
Operator : SY/MD
Sample : L5063-07RE
Misc : 4.37G/10ML/MSVOA Y/SOIL
ALS Vial : 22 Sample Multiplier: 1

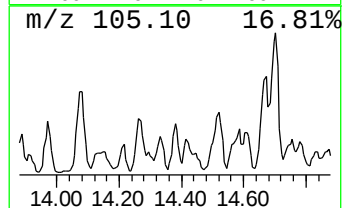
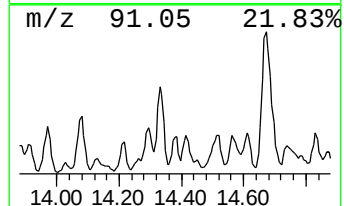
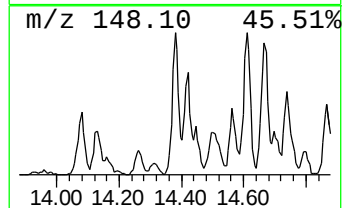
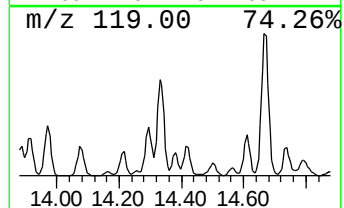
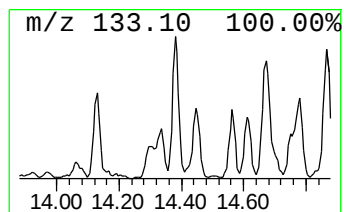
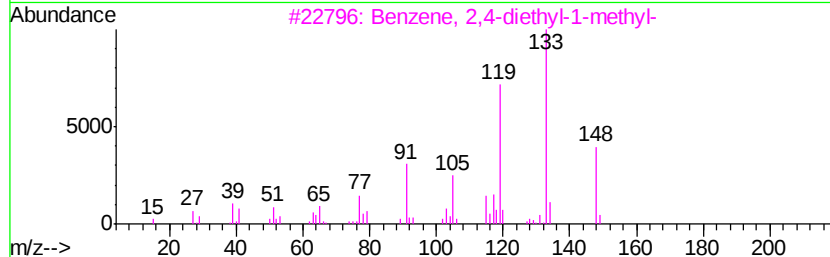
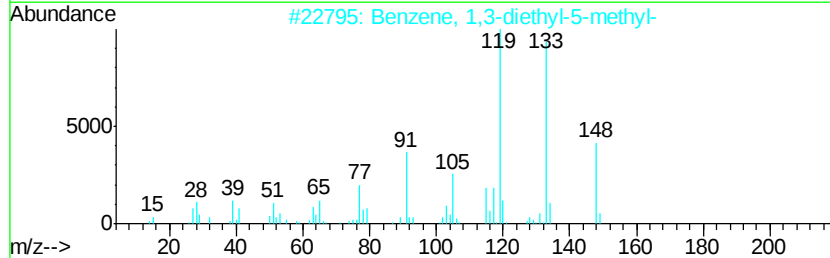
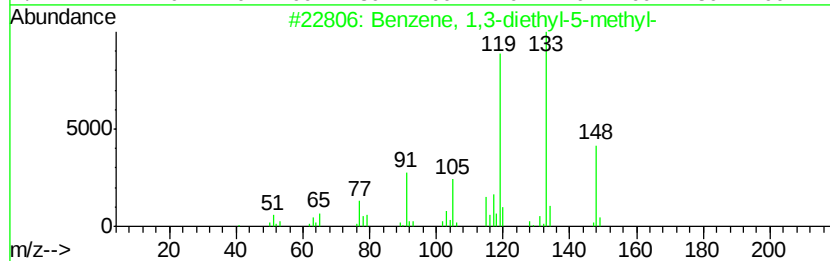
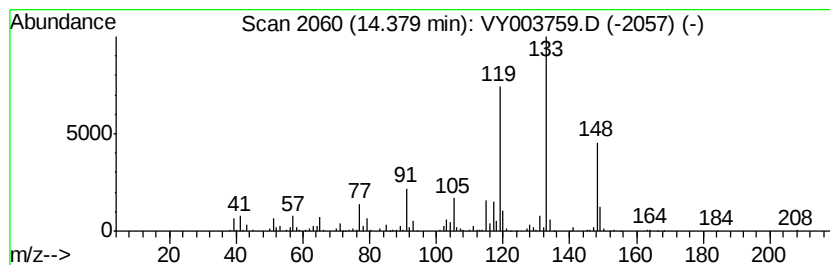
Instrument :
MSVOA_Y
ClientSampleId :
C0AD9RE

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

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

Peak Number 26 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.38	7.52 ug/L	119277	1,4-Dichlorobenzene-d4	13.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Benzene, 1,3-diethyl-5-methyl-	148 C11H16	002050-24-0	94
2	Benzene, 1,3-diethyl-5-methyl-	148 C11H16	002050-24-0	90
3	Benzene, 2,4-diethyl-1-methyl-	148 C11H16	001758-85-6	87
4	Benzene, 1,4-diethyl-2-methyl-	148 C11H16	013632-94-5	87
5	Benzene, 1-ethyl-2,4,5-trimethyl-	148 C11H16	017851-27-3	62



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003759.D
Acq On : 14 Dec 2020 19:34
Operator : SY/MD
Sample : L5063-07RE
Misc : 4.37G/10ML/MSVOA Y/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD9RE

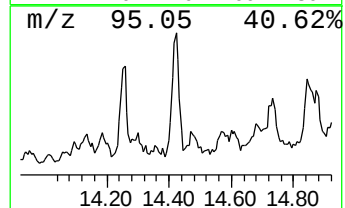
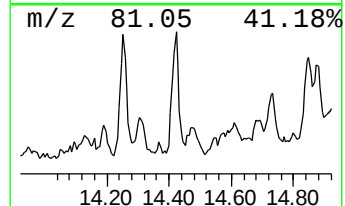
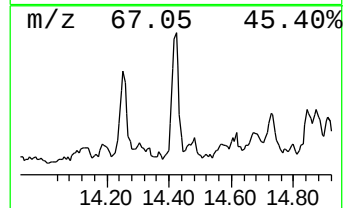
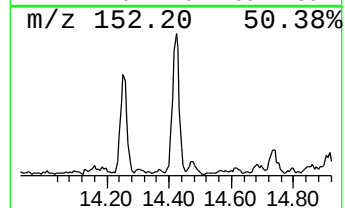
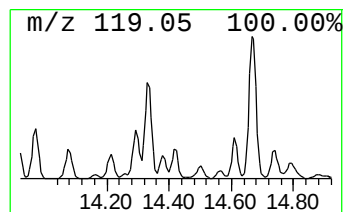
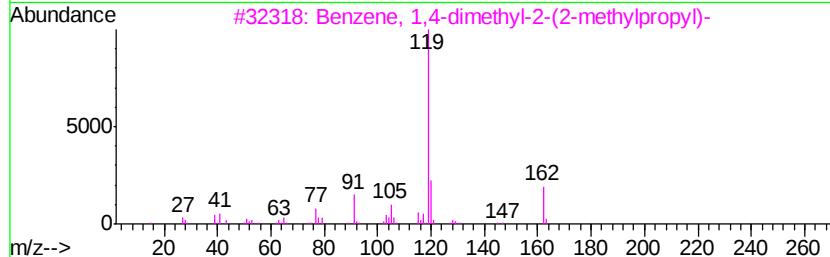
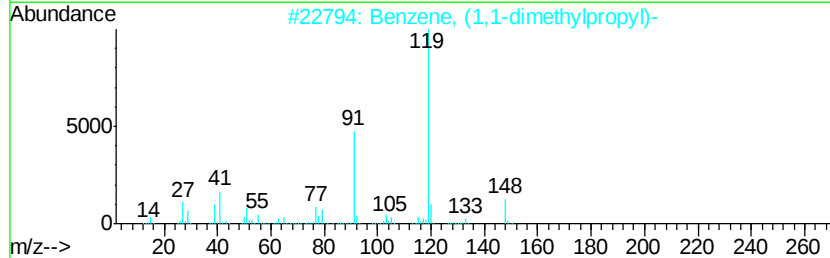
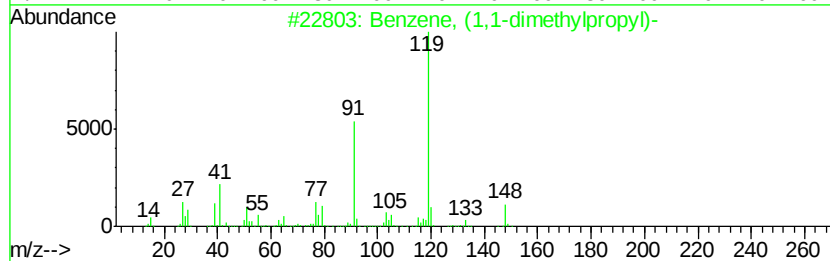
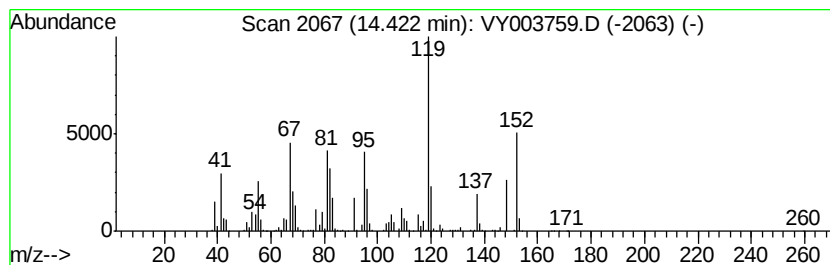
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Quant Title : VOC Analysis

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

Peak Number 27 unknown-01 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.42	14.27 ug/L	226390	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	27
2		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	22
3		Benzene, 1,4-dimethyl-2-(2-methyl...	162	C12H18	055669-88-0	22
4		Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	22
5		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	22



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003759.D
Acq On : 14 Dec 2020 19:34
Operator : SY/MD
Sample : L5063-07RE
Misc : 4.37G/10ML/MSVOA Y/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD9RE

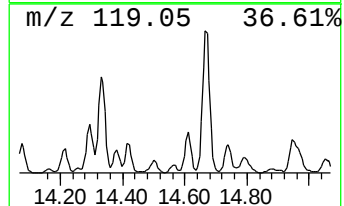
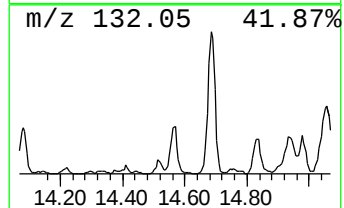
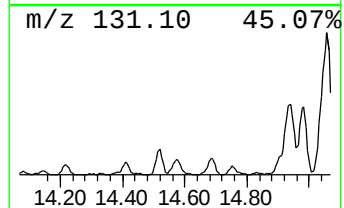
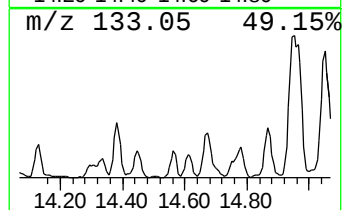
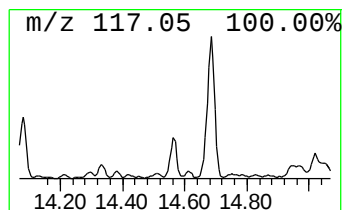
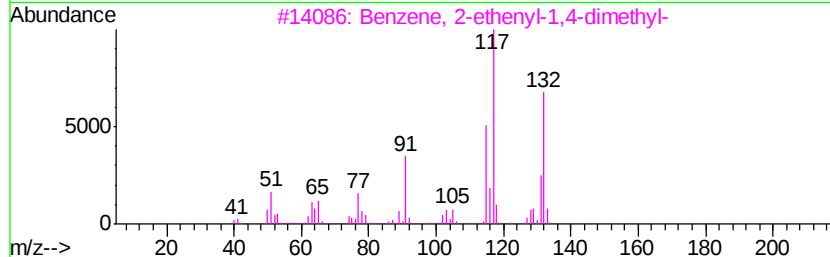
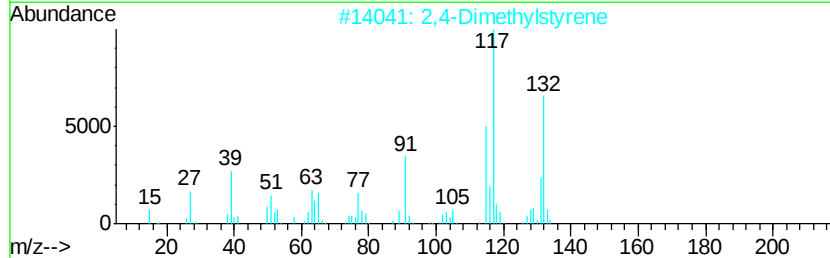
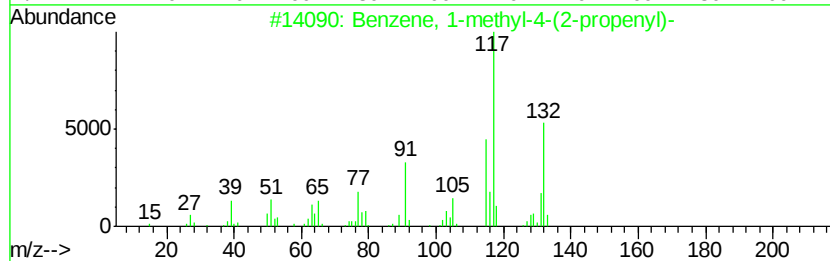
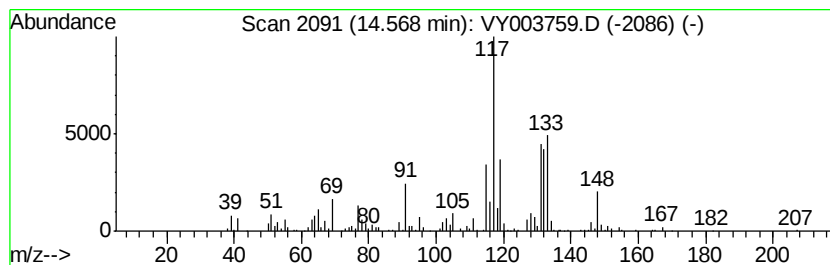
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Quant Title : VOC Analysis

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

Peak Number 28 Benzene, 1-methyl-4-(2-prop... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.57	11.81 ug/L	187355	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	91
2		2,4-Dimethylstyrene	132	C10H12	002234-20-0	86
3		Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	83
4		Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	83
5		Benzene, 2-butenyl-	132	C10H12	001560-06-1	60



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003759.D
Acq On : 14 Dec 2020 19:34
Operator : SY/MD
Sample : L5063-07RE
Misc : 4.37G/10ML/MSVOA Y/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD9RE

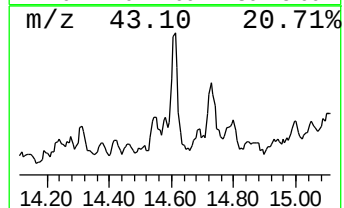
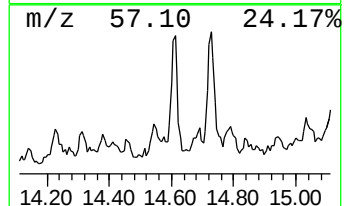
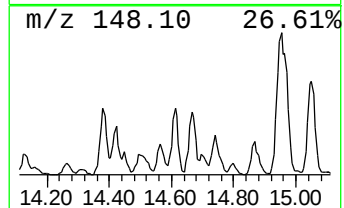
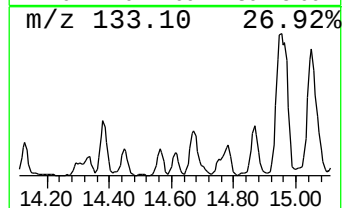
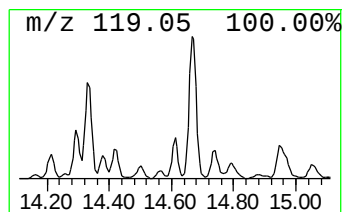
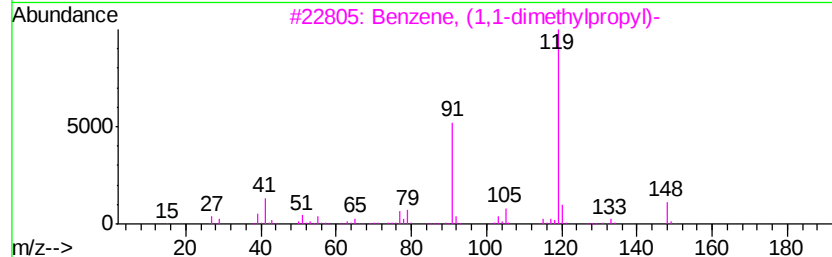
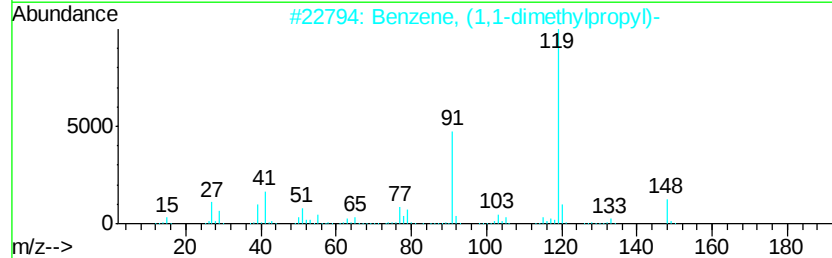
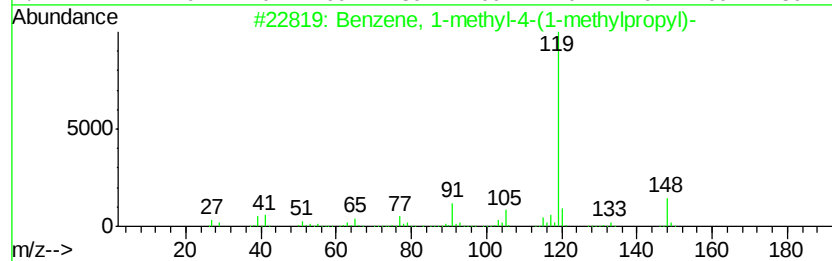
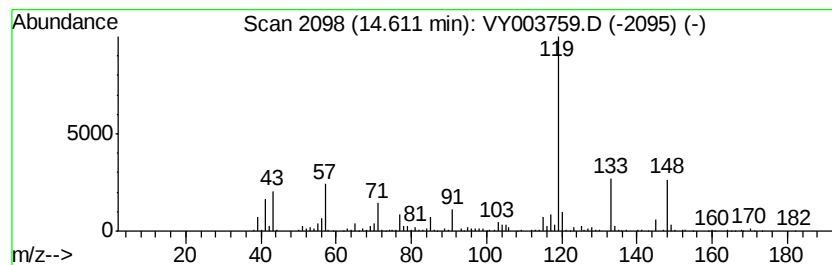
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Quant Title : VOC Analysis

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

Peak Number 29 Benzene, 1-methyl-4-(1-meth... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.61	12.02 ug/L	190672	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	87
2		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	72
3		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	64
4		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	62
5		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	62



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003759.D
Acq On : 14 Dec 2020 19:34
Operator : SY/MD
Sample : L5063-07RE
Misc : 4.37G/10ML/MSVOA Y/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
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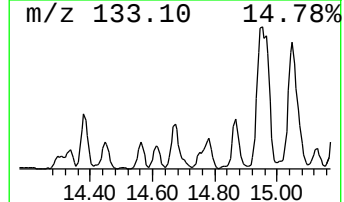
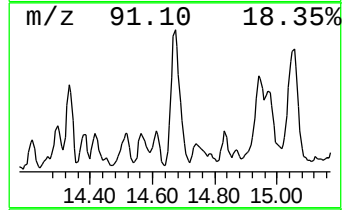
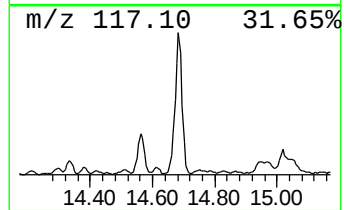
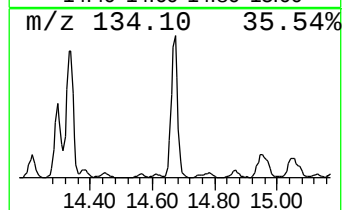
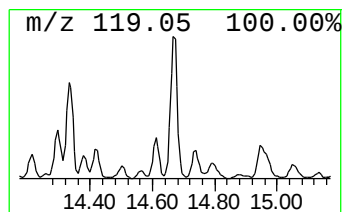
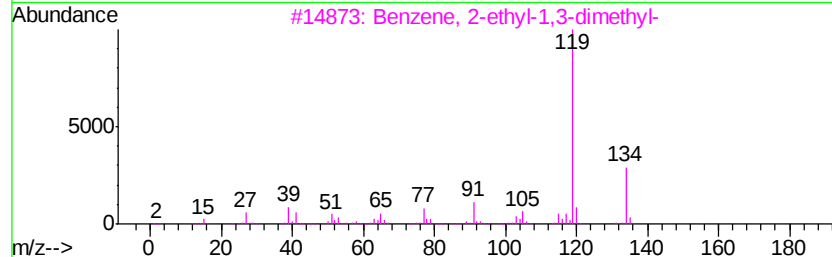
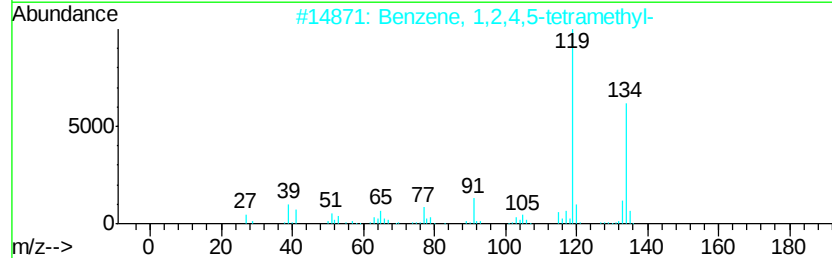
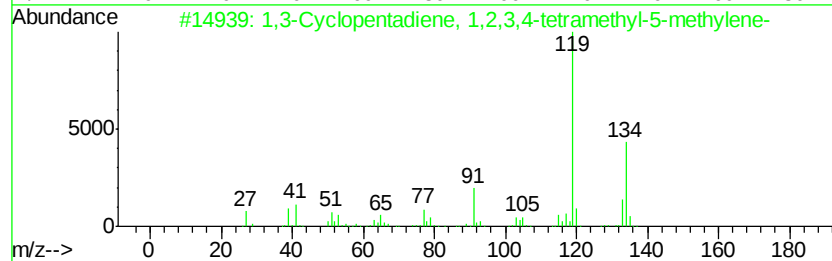
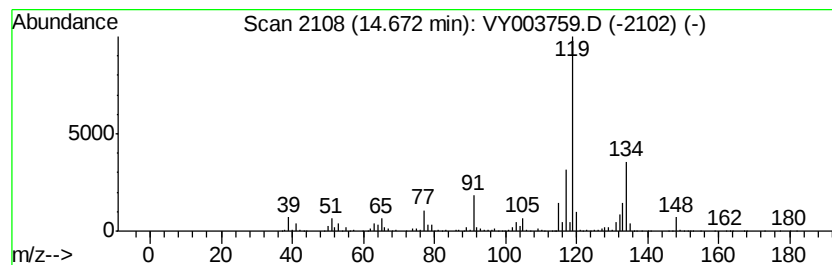
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Quant Title : VOC Analysis

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.67	55.61 ug/L	882491	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	81
2		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	81
3		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	76
4		o-Cymene	134	C10H14	000527-84-4	76
5		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	76



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003759.D
Acq On : 14 Dec 2020 19:34
Operator : SY/MD
Sample : L5063-07RE
Misc : 4.37G/10ML/MSVOA Y/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD9RE

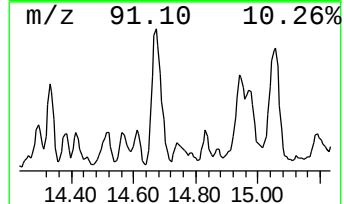
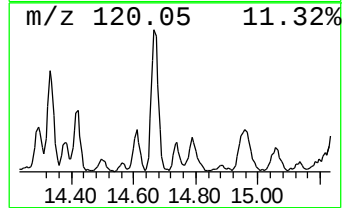
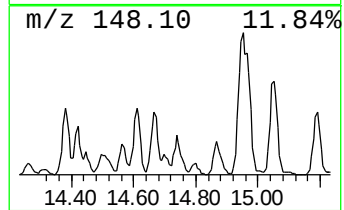
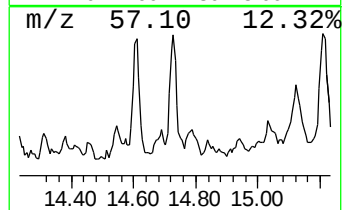
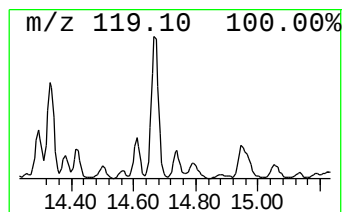
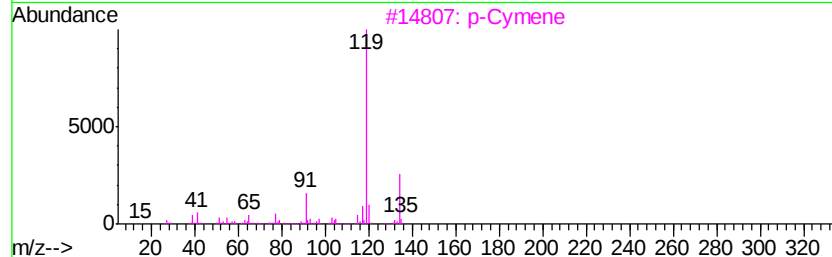
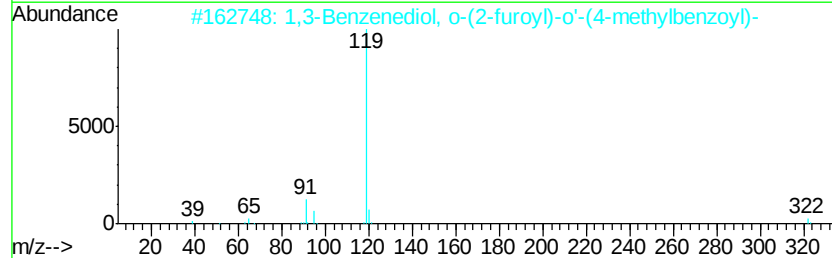
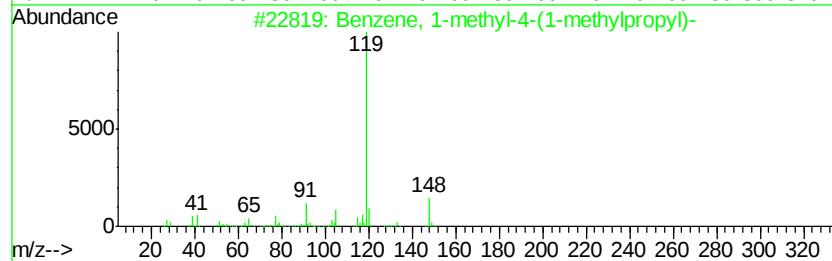
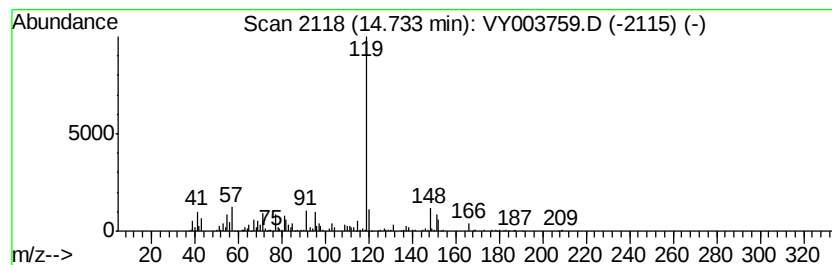
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM121420S.M
Quant Title : VOC Analysis

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

Peak Number 31 1,3-Benzenediol, o-(2-furoy... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	7.33 ug/L	116335	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	72
2		1,3-Benzenediol, o-(2-furoyl)-o'...	322	C19H14O5	1000330-75-7	59
3		p-Cymene	134	C10H14	000099-87-6	59
4		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	58
5		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003759.D
Acq On : 14 Dec 2020 19:34
Operator : SY/MD
Sample : L5063-07RE
Misc : 4.37G/10ML/MSVOA Y/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD9RE

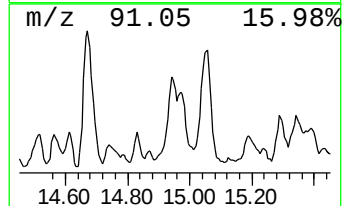
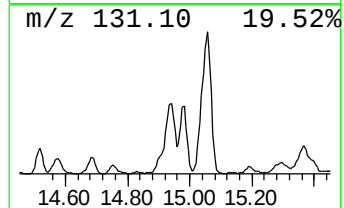
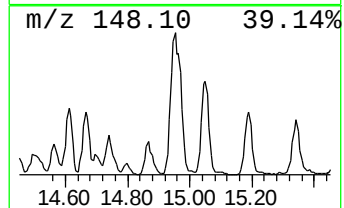
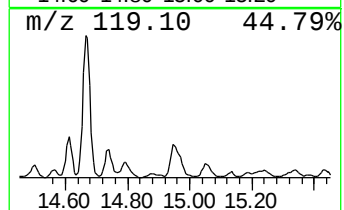
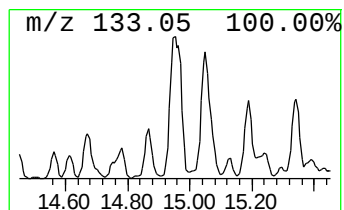
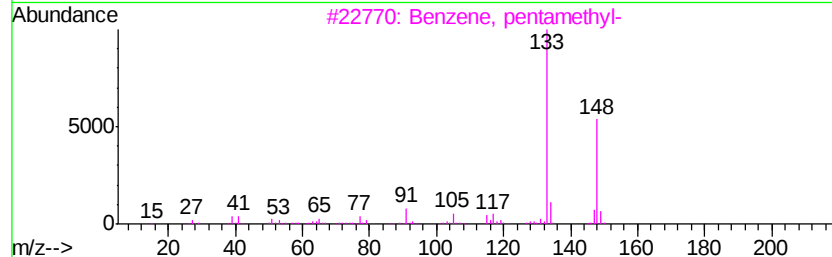
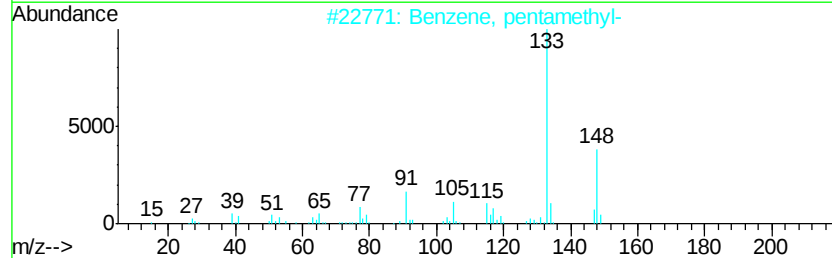
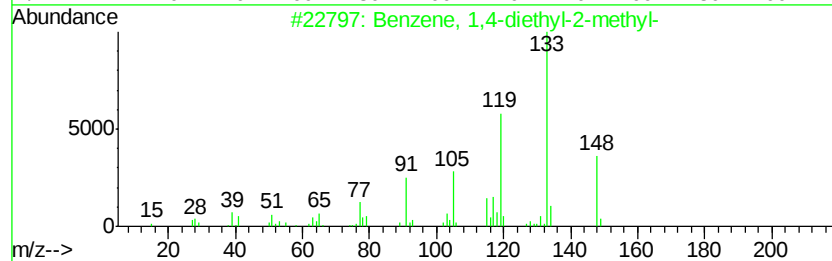
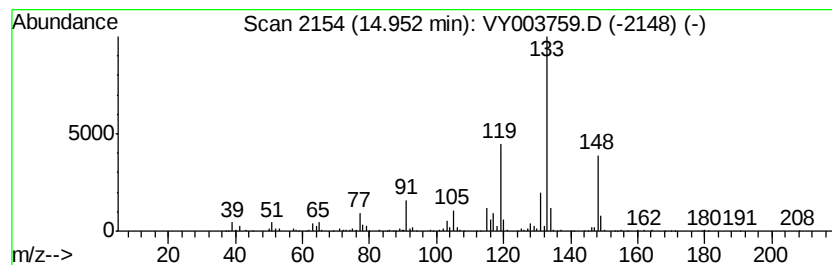
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Quant Title : VOC Analysis

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

Peak Number 32 Benzene, 1,4-diethyl-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.95	25.94 ug/L	411628	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	58
2		Benzene, pentamethyl-	148	C11H16	000700-12-9	53
3		Benzene, pentamethyl-	148	C11H16	000700-12-9	52
4		Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	49
5		Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	49



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003759.D
Acq On : 14 Dec 2020 19:34
Operator : SY/MD
Sample : L5063-07RE
Misc : 4.37G/10ML/MSVOA Y/SOIL
ALS Vial : 22 Sample Multiplier: 1

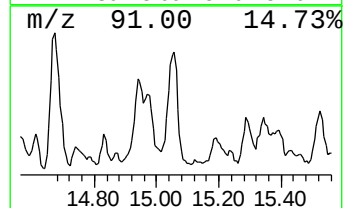
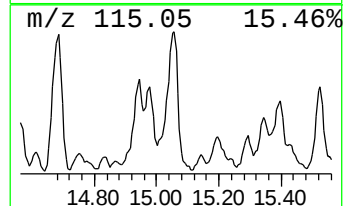
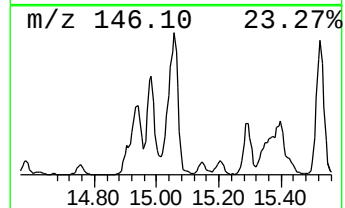
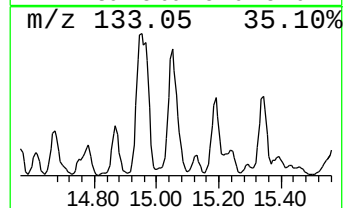
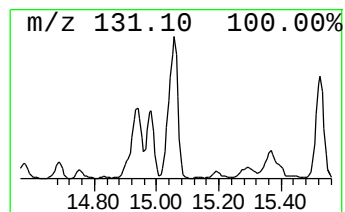
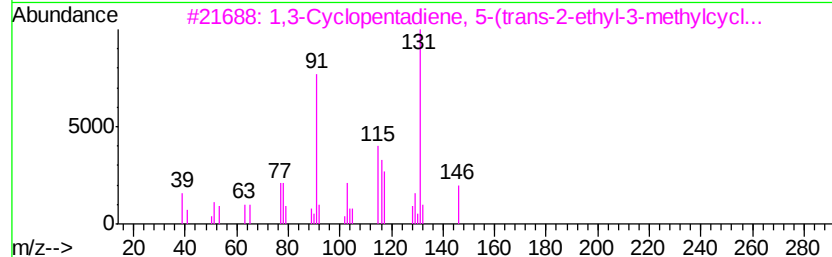
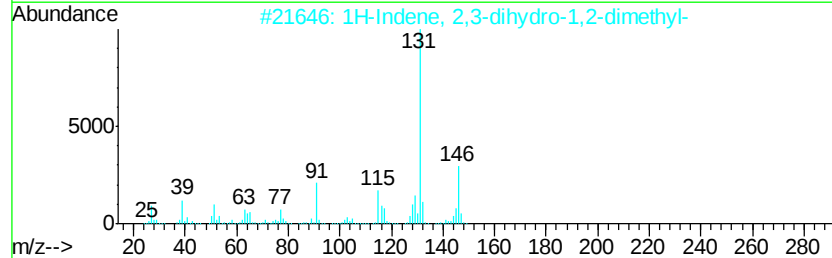
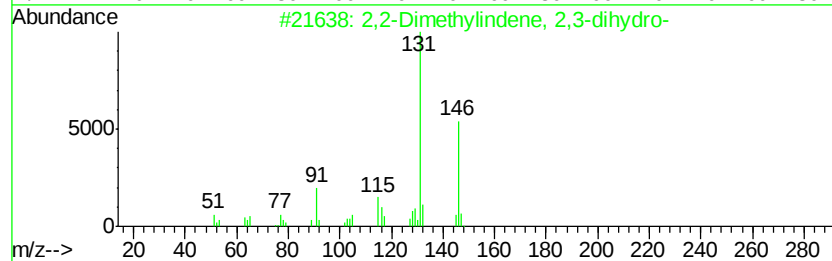
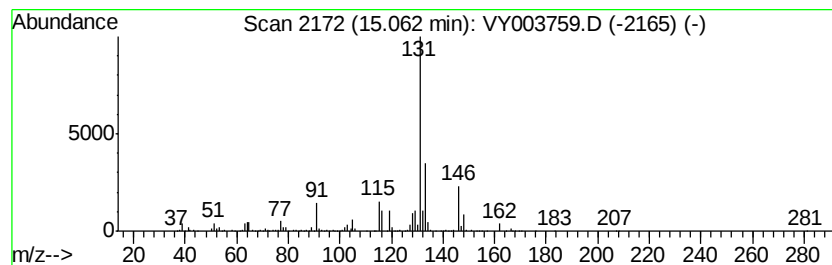
Instrument :
MSVOA_Y
ClientSampleId :
C0AD9RE

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

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

Peak Number 33 2,2-Dimethylindene, 2,3-dih... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.06	50.32 ug/L	798533	1,4-Dichlorobenzene-d4	13.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	2,2-Dimethylindene, 2,3-dihydro-	146 C11H14	020836-11-7	64
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146 C11H14	017057-82-8	64
3	1,3-Cyclopentadiene, 5-(trans-2-...	146 C11H14	079209-36-2	64
4	1H-Indene, 2,3-dihydro-1,6-dimet...	146 C11H14	017059-48-2	64
5	Benzene, 1-methyl-4-(1-methyl-2-...	146 C11H14	097664-18-1	58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003759.D
Acq On : 14 Dec 2020 19:34
Operator : SY/MD
Sample : L5063-07RE
Misc : 4.37G/10ML/MSVOA Y/SOIL
ALS Vial : 22 Sample Multiplier: 1

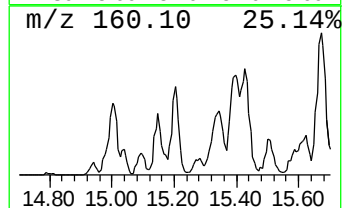
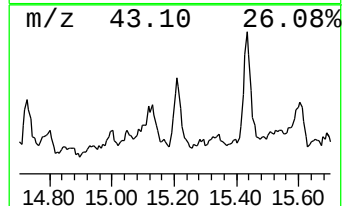
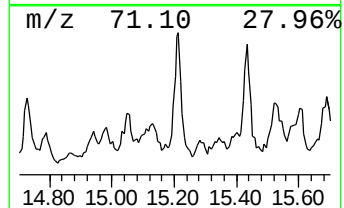
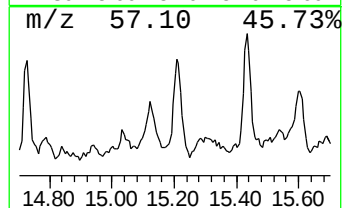
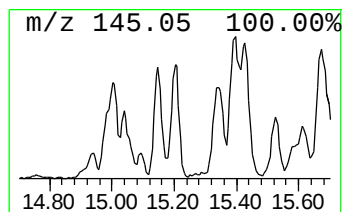
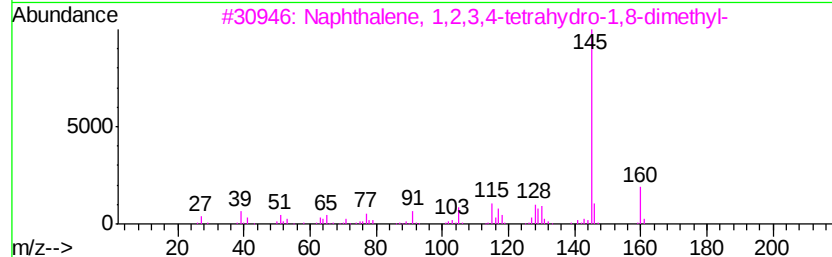
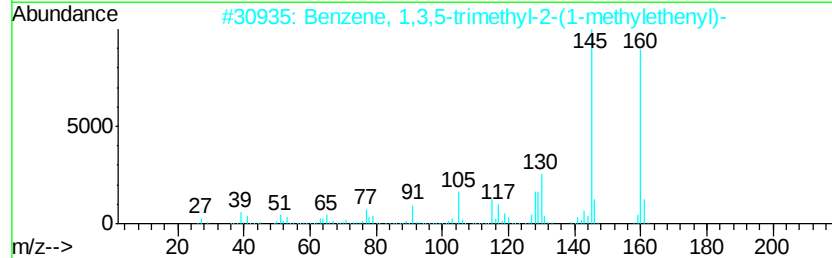
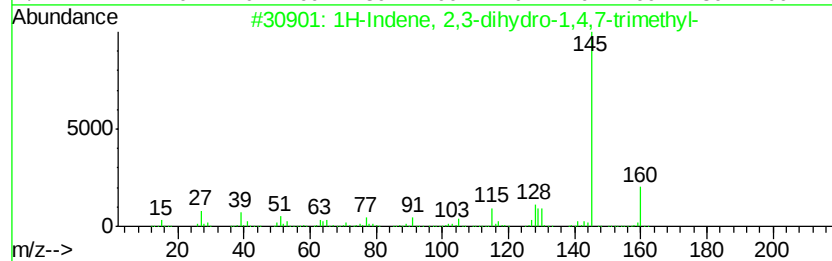
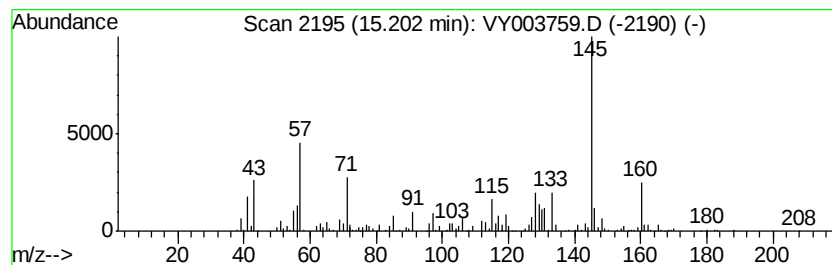
Instrument :
MSVOA_Y
ClientSampleId :
C0AD9RE

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

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

Peak Number 34 1H-Indene, 2,3-dihydro-1,4,... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.20	8.56 ug/L	135787	1,4-Dichlorobenzene-d4	13.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		1H-Indene, 2,3-dihydro-1,4,7-tri...	160 C12H16	054340-87-3 50
2		Benzene, 1,3,5-trimethyl-2-(1-me...	160 C12H16	014679-13-1 50
3		Naphthalene, 1,2,3,4-tetrahydro-...	160 C12H16	025419-33-4 49
4		Naphthalene, 1,2,3,4-tetrahydro-...	160 C12H16	004175-54-6 46
5		Benzene, 1-(2-butenyl)-2,3-dimet...	160 C12H16	054340-85-1 45



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003759.D
Acq On : 14 Dec 2020 19:34
Operator : SY/MD
Sample : L5063-07RE
Misc : 4.37G/10ML/MSVOA Y/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD9RE

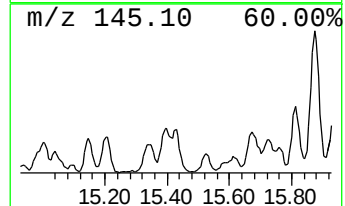
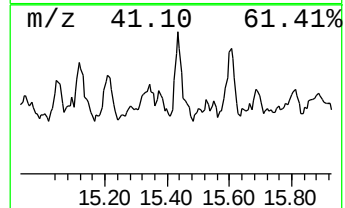
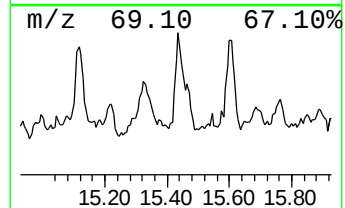
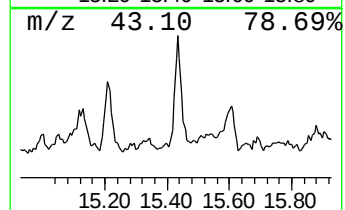
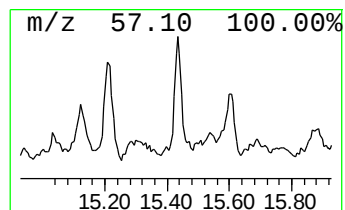
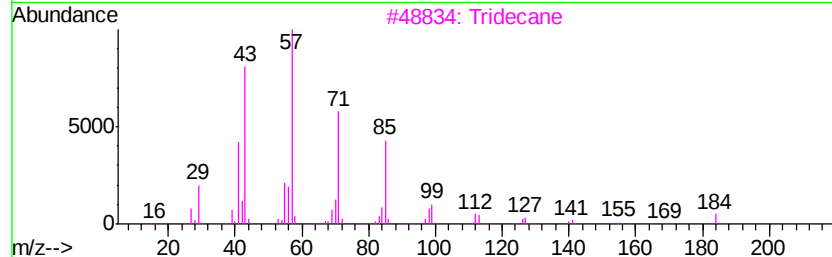
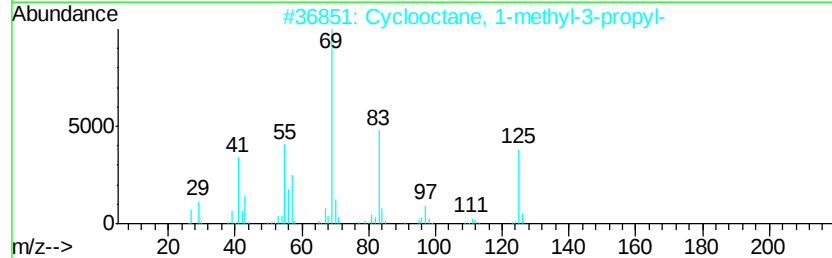
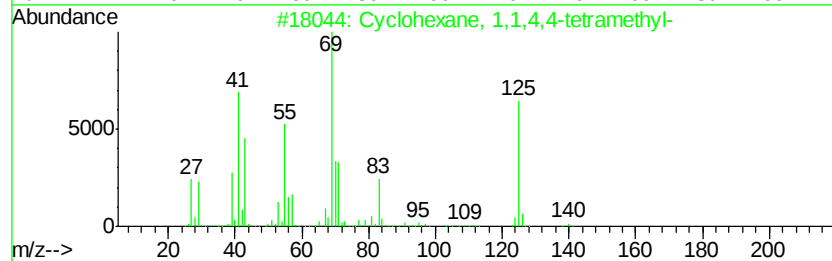
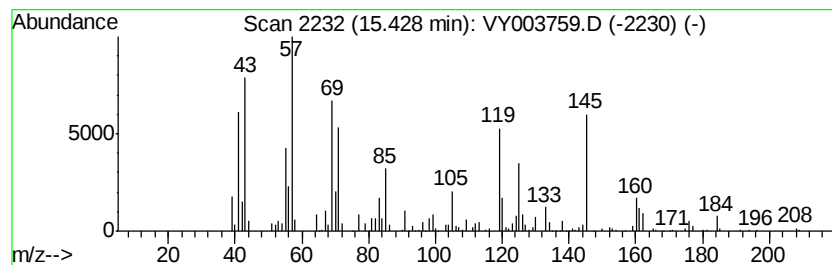
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Quant Title : VOC Analysis

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

Peak Number 35 (DEL) Alkane: Cyclic15.43 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.43	16.66 ug/L	264434	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	46
2		Cyclooctane, 1-methyl-3-propyl-	168	C12H24	255885-37-1	38
3		Tridecane	184	C13H28	000629-50-5	25
4		Tridecane	184	C13H28	000629-50-5	25
5		Tridecane	184	C13H28	000629-50-5	25



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003759.D
Acq On : 14 Dec 2020 19:34
Operator : SY/MD
Sample : L5063-07RE
Misc : 4.37G/10ML/MSVOA Y/SOIL
ALS Vial : 22 Sample Multiplier: 1

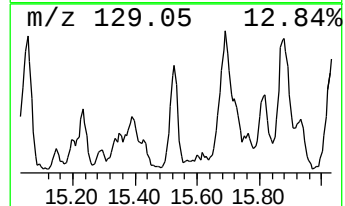
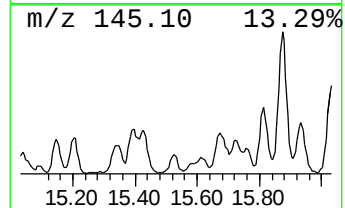
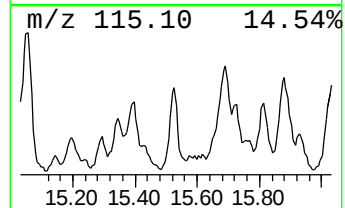
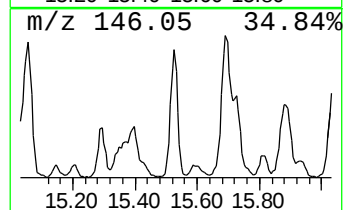
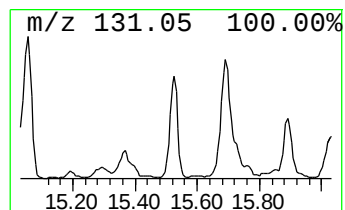
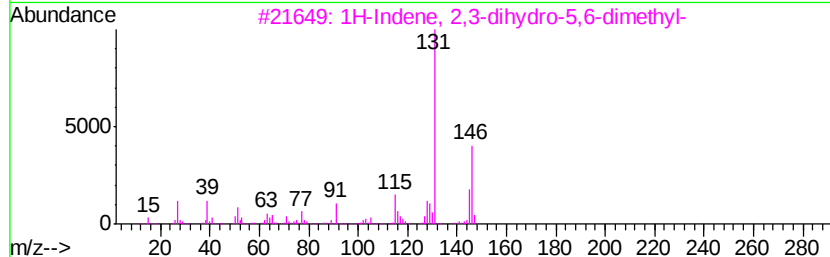
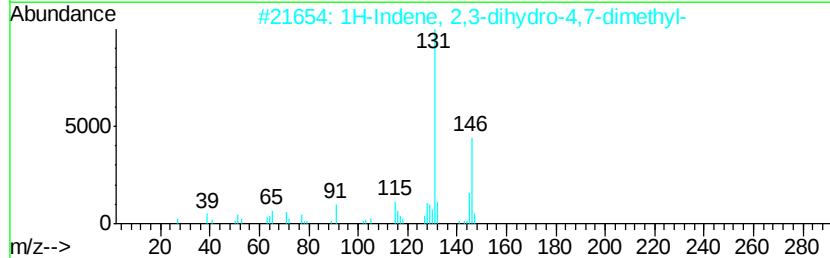
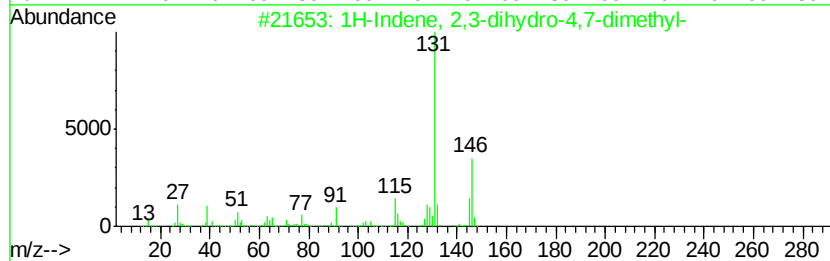
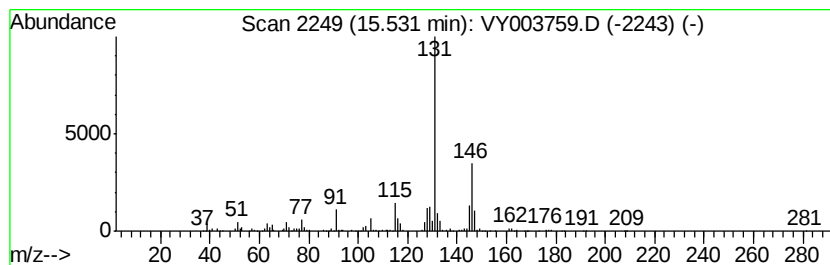
Instrument :
MSVOA_Y
ClientSampleId :
C0AD9RE

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

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

Peak Number 36 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.		
15.53	24.89 ug/L	395047	1,4-Dichlorobenzene-d4	13.42		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14		006682-71-9	97
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14		006682-71-9	96
3	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14		001075-22-5	96
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14		006682-71-9	94
5	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14		000769-57-3	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003759.D
Acq On : 14 Dec 2020 19:34
Operator : SY/MD
Sample : L5063-07RE
Misc : 4.37G/10ML/MSVOA Y/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD9RE

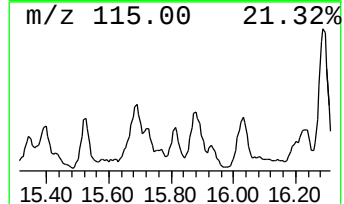
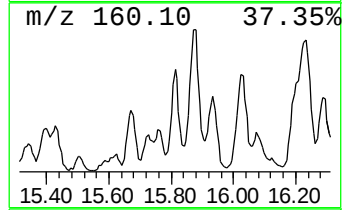
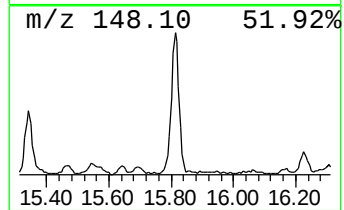
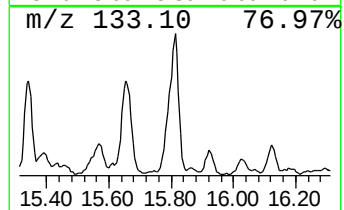
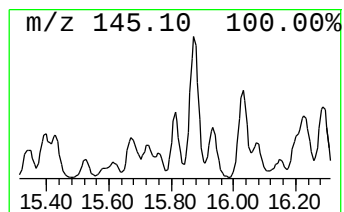
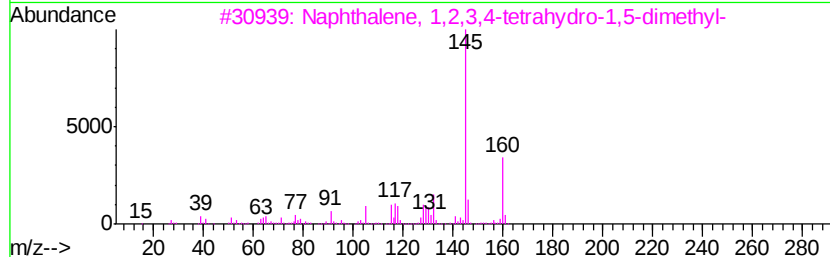
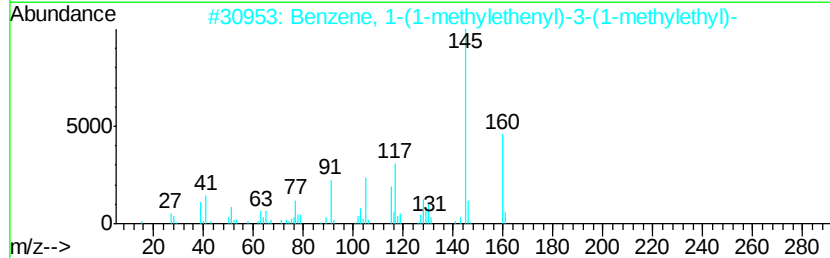
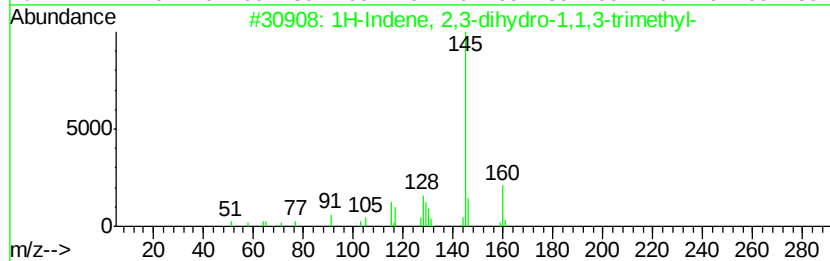
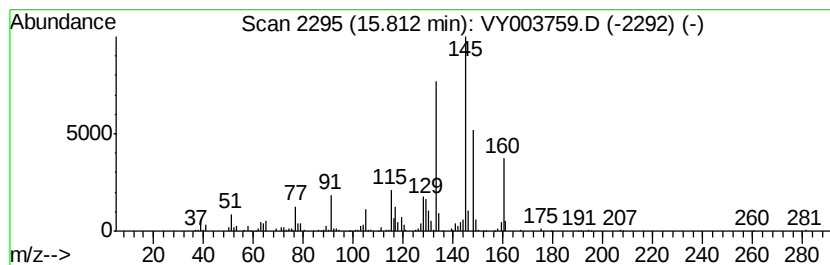
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Quant Title : VOC Analysis

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

Peak Number 37 Benzene, 1-(1-methylethenyl)... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.81	19.93 ug/L	316282	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	70
2		Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	50
3		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	50
4		1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	49
5		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	49



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003759.D
Acq On : 14 Dec 2020 19:34
Operator : SY/MD
Sample : L5063-07RE
Misc : 4.37G/10ML/MSVOA Y/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
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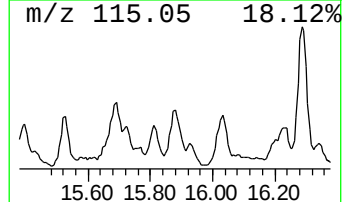
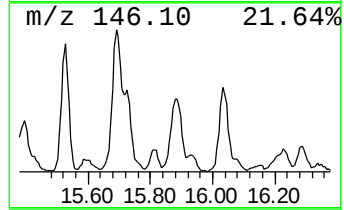
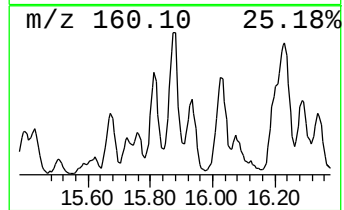
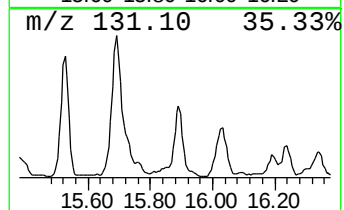
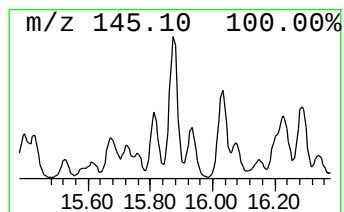
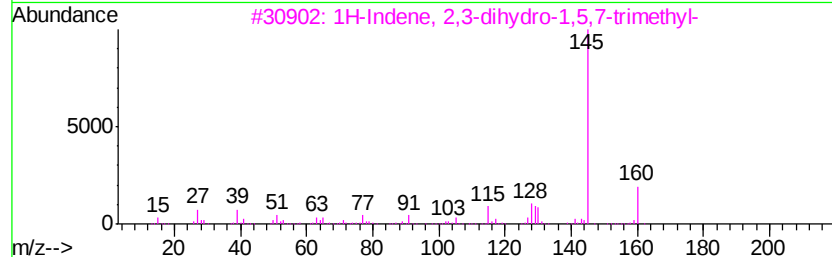
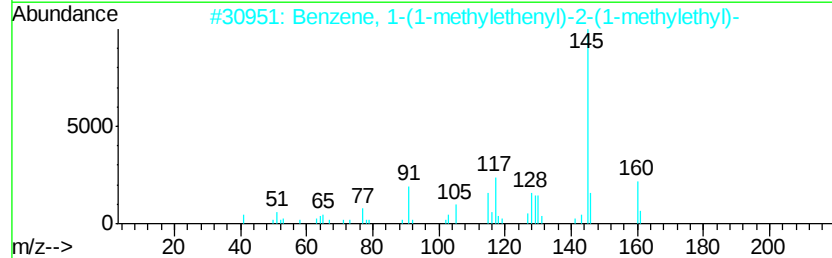
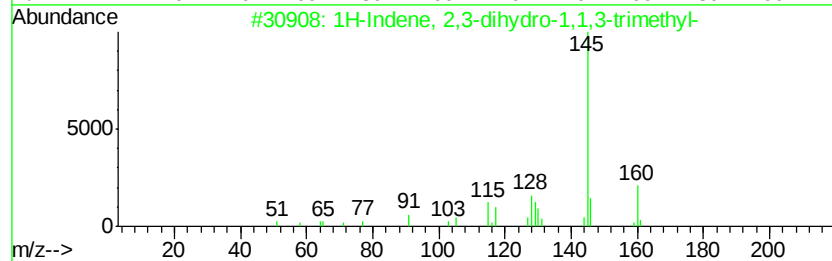
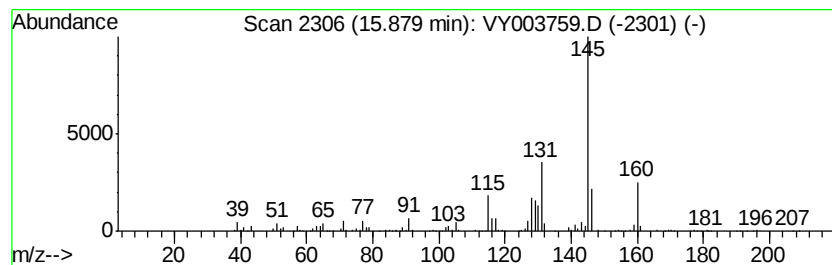
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Quant Title : VOC Analysis

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

Peak Number 38 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.88	29.67 ug/L	470887	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	83
2		Benzene, 1-(1-methylethenyl)-2-(...	160	C12H16	005557-93-7	81
3		1H-Indene, 2,3-dihydro-1,5,7-tri...	160	C12H16	054340-88-4	76
4		1H-Indene, 2,3-dihydro-1,4,7-tri...	160	C12H16	054340-87-3	76
5		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003759.D
Acq On : 14 Dec 2020 19:34
Operator : SY/MD
Sample : L5063-07RE
Misc : 4.37G/10ML/MSVOA Y/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD9RE

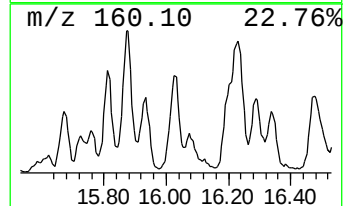
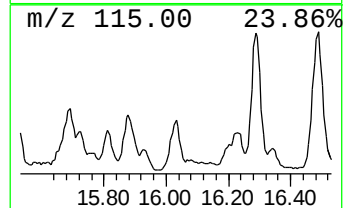
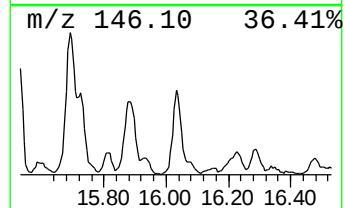
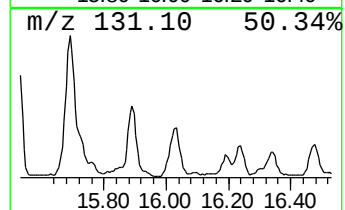
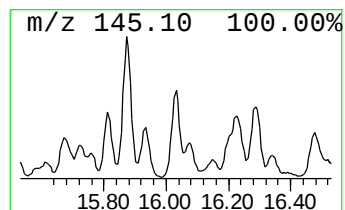
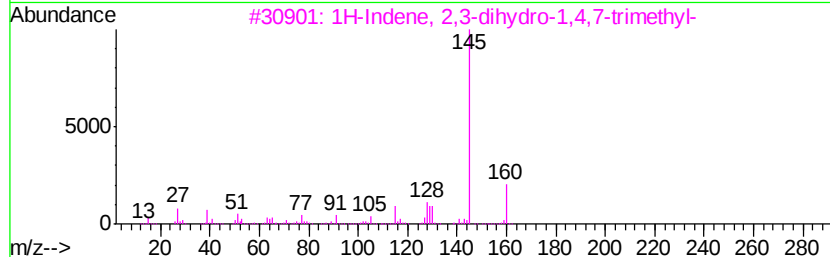
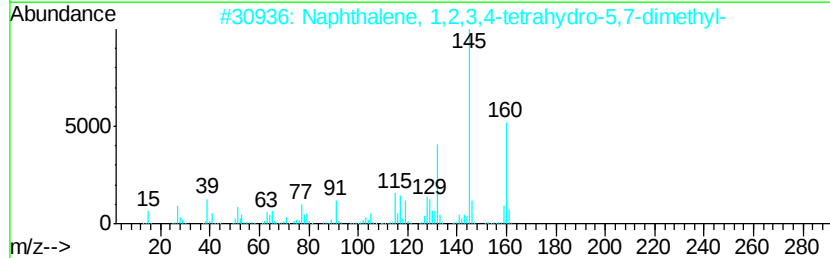
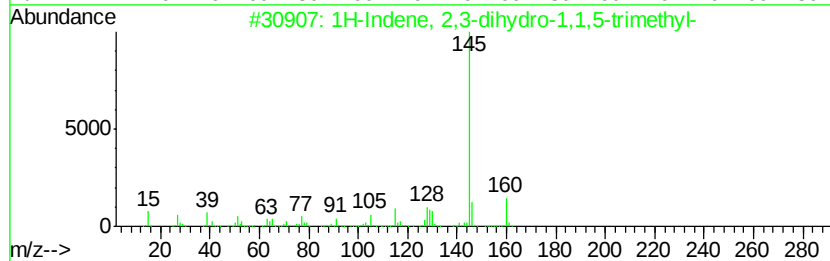
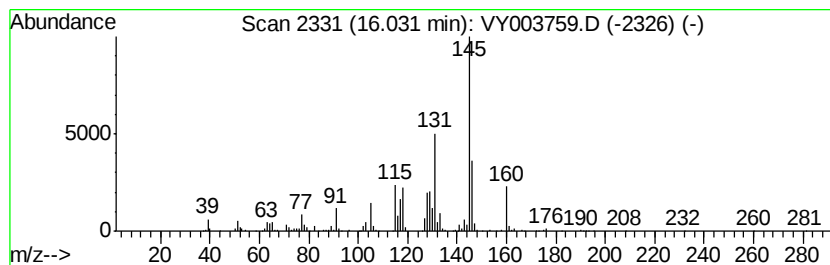
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Quant Title : VOC Analysis

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

Peak Number 39 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.03	22.98 ug/L	364663	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	60
2		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021693-54-9	58
3		1H-Indene, 2,3-dihydro-1,4,7-tri...	160	C12H16	054340-87-3	55
4		Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	53
5		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	52



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003759.D
Acq On : 14 Dec 2020 19:34
Operator : SY/MD
Sample : L5063-07RE
Misc : 4.37G/10ML/MSVOA Y/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD9RE

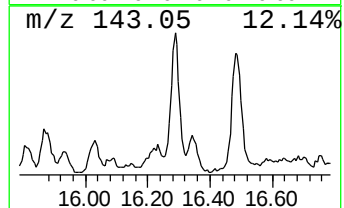
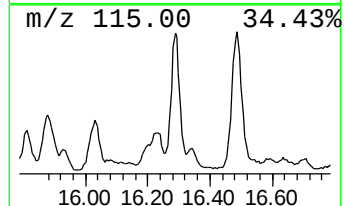
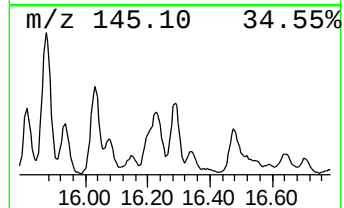
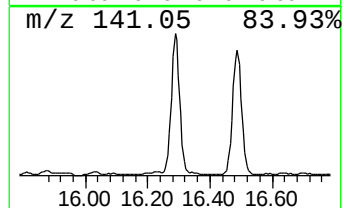
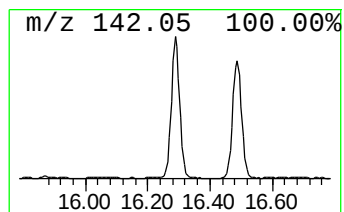
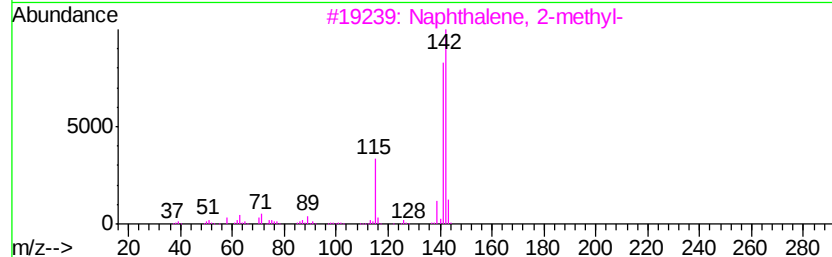
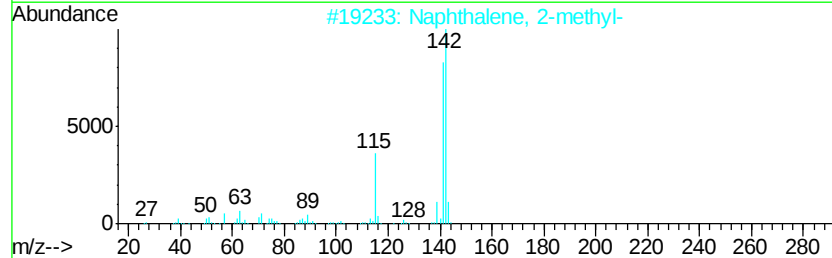
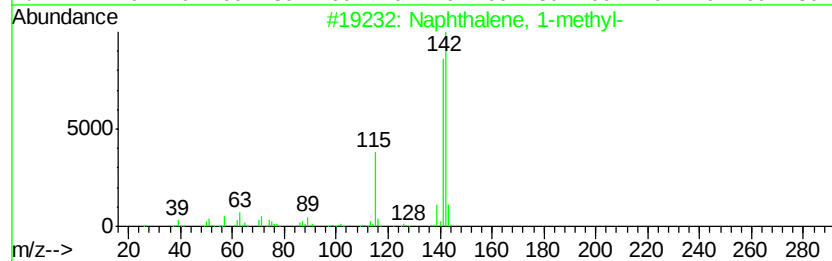
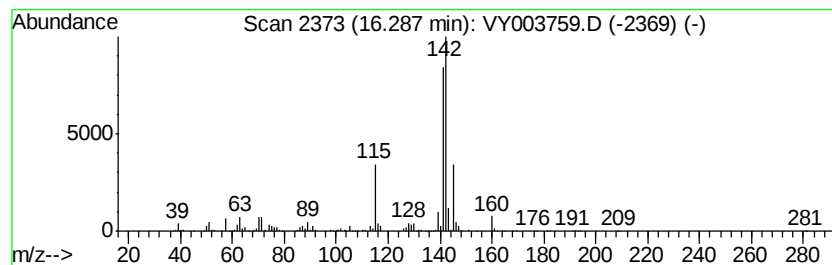
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Quant Title : VOC Analysis

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

Peak Number 40 Naphthalene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.29	34.59 ug/L	548991	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	95
4		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	90
5		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003759.D
Acq On : 14 Dec 2020 19:34
Operator : SY/MD
Sample : L5063-07RE
Misc : 4.37G/10ML/MSVOA Y/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD9RE

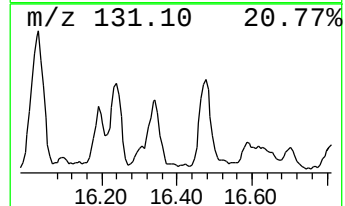
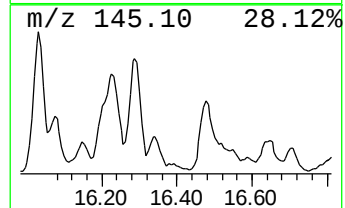
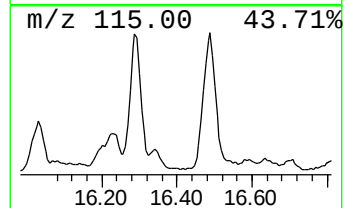
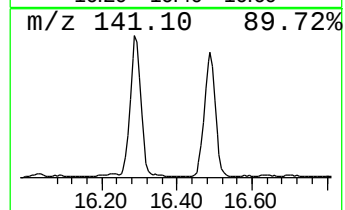
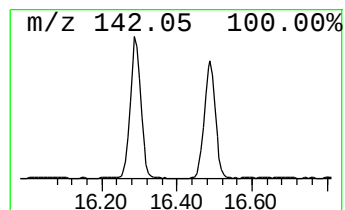
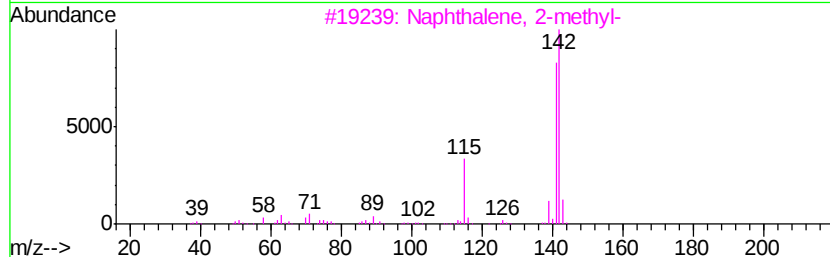
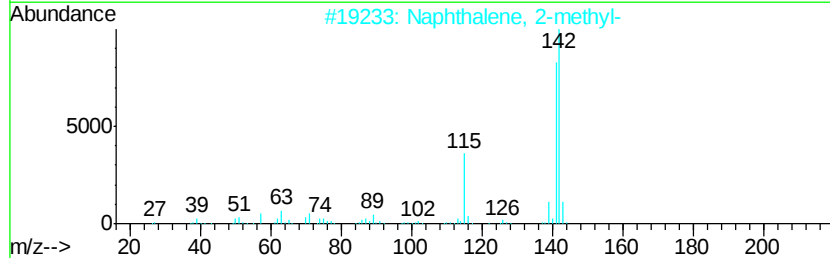
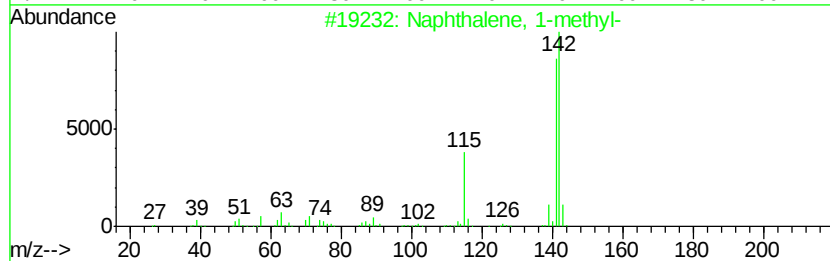
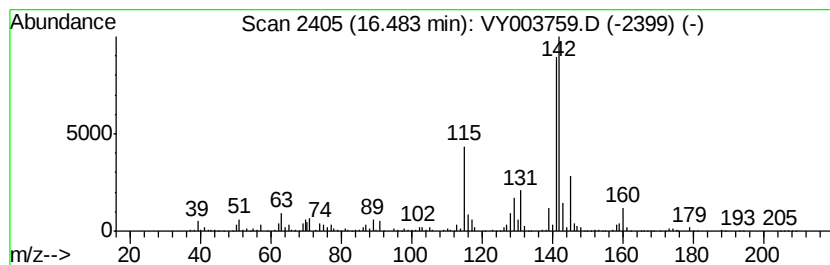
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM121420S.M
Quant Title : VOC Analysis

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

Peak Number 41 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.48	61.47 ug/L	975512	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
2		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
3		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
4		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	89
5		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	89



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY121420\
 Data File : VY003759.D
 Acq On : 14 Dec 2020 19:34
 Operator : SY/MD
 Sample : L5063-07RE
 Misc : 4.37G/10ML/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 C0AD9RE

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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
(DEL) Alkane: Cyc...	12.64	3.9	ug/L	61109	3	13.42	396730	25.0
Mesitylene	12.81	9.5	ug/L	150858	3	13.42	396730	25.0
(DEL) Alkane: Str...	13.04	1.7	ug/L	27162	3	13.42	396730	25.0
Benzene, 1,2,4-tr...	13.12	11.0	ug/L	174898	3	13.42	396730	25.0
(DEL) Alkane: Str...	13.57	1.7	ug/L	27115	3	13.42	396730	25.0
Benzene, 1-propenyl-	13.62	6.3	ug/L	99840	3	13.42	396730	25.0
Benzene, 2-ethyl-...	13.66	12.1	ug/L	191624	3	13.42	396730	25.0
Benzene, 1-methyl...	13.82	4.5	ug/L	70741	3	13.42	396730	25.0
p-Cymene	13.92	7.2	ug/L	114379	3	13.42	396730	25.0
Benzene, 1-methyl...	13.97	11.6	ug/L	183974	3	13.42	396730	25.0
Benzene, 1-methyl...	14.08	13.1	ug/L	207234	3	13.42	396730	25.0
Benzene, 1,3-dime...	14.13	6.3	ug/L	100645	3	13.42	396730	25.0
Benzene, 1-ethyl-...	14.21	7.8	ug/L	124625	3	13.42	396730	25.0
Naphthalene, deca...	14.26	6.0	ug/L	94364	3	13.42	396730	25.0
Benzene, 1,2,4,5-...	14.29	10.9	ug/L	173605	3	13.42	396730	25.0
o-Cymene	14.33	18.7	ug/L	296069	3	13.42	396730	25.0
Benzene, 1,3-diet...	14.38	7.5	ug/L	119277	3	13.42	396730	25.0
unknown-01	14.42	14.3	ug/L	226390	3	13.42	396730	25.0
Benzene, 1-methyl...	14.57	11.8	ug/L	187355	3	13.42	396730	25.0
Benzene, 1-methyl...	14.61	12.0	ug/L	190672	3	13.42	396730	25.0
1,3-Cyclopentadie...	14.67	55.6	ug/L	882491	3	13.42	396730	25.0
1,3-Benzenediol, ...	14.73	7.3	ug/L	116335	3	13.42	396730	25.0
Benzene, 1,4-diet...	14.95	25.9	ug/L	411628	3	13.42	396730	25.0
2,2-Dimethylinden...	15.06	50.3	ug/L	798533	3	13.42	396730	25.0
1H-Indene, 2,3-di...	15.20	8.6	ug/L	135787	3	13.42	396730	25.0
(DEL) Alkane: Cyc...	15.43	16.7	ug/L	264434	3	13.42	396730	25.0
1H-Indene, 2,3-di...	15.53	24.9	ug/L	395047	3	13.42	396730	25.0
Benzene, 1-(1-met...	15.81	19.9	ug/L	316282	3	13.42	396730	25.0
1H-Indene, 2,3-di...	15.88	29.7	ug/L	470887	3	13.42	396730	25.0
1H-Indene, 2,3-di...	16.03	23.0	ug/L	364663	3	13.42	396730	25.0
Naphthalene, 2-me...	16.29	34.6	ug/L	548991	3	13.42	396730	25.0
Naphthalene, 1-me...	16.48	61.5	ug/L	975512	3	13.42	396730	25.0