

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
 Data File : VY003753.D
 Acq On : 14 Dec 2020 17:17
 Operator : SY/MD
 Sample : L5063-04RE
 Misc : 4.36G/10ML/MSVOA Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 C0AD6RE

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	2.064	36	40	45	rBV5	2641	5009	0.11%	0.011%
2	2.119	47	49	52	rVB2	2125	2081	0.05%	0.004%
3	2.247	63	70	83	rBV	111376	178603	3.98%	0.376%
4	2.509	109	113	114	rBV4	2021	2177	0.05%	0.005%
5	2.771	149	156	170	rVB	78297	154923	3.45%	0.327%
6	2.912	176	179	187	rVB7	2059	4605	0.10%	0.010%
7	3.143	214	217	220	rVB3	1084	1070	0.02%	0.002%
8	3.259	232	236	244	rVB4	2545	4884	0.11%	0.010%
9	3.863	325	335	346	rBV	176890	468394	10.43%	0.987%
10	4.192	387	389	390	rBV	1220	970	0.02%	0.002%
11	4.728	467	477	490	rBV	11792	37592	0.84%	0.079%
12	4.936	506	511	512	rVV3	781	1168	0.03%	0.002%
13	4.954	512	514	518	rVV3	834	1337	0.03%	0.003%
14	5.759	637	646	658	rBV5	2463	8223	0.18%	0.017%
15	6.899	821	833	842	rBV	40355	118307	2.63%	0.249%
16	6.996	844	849	864	rVV	11739	41130	0.92%	0.087%
17	7.490	919	930	942	rVB	193202	472619	10.52%	0.996%
18	7.795	977	980	983	rVV3	876	1292	0.03%	0.003%
19	8.118	1022	1033	1050	rBV2	400593	1178969	26.25%	2.485%
20	8.557	1101	1105	1109	rVV5	1028	1763	0.04%	0.004%
21	8.697	1119	1128	1137	rVV	329614	648744	14.45%	1.367%
22	8.783	1137	1142	1146	rVV6	552	1129	0.03%	0.002%
23	8.929	1159	1166	1173	rVB3	9199	18850	0.42%	0.040%
24	9.124	1188	1198	1207	rBV	266284	522725	11.64%	1.102%
25	9.465	1247	1254	1255	rBV4	727	1163	0.03%	0.002%
26	9.612	1271	1278	1285	rVB6	1517	3478	0.08%	0.007%
27	9.892	1315	1324	1335	rBV	165256	284633	6.34%	0.600%
28	9.984	1336	1339	1345	rVB6	1267	2052	0.05%	0.004%
29	10.075	1347	1354	1358	rBV6	1627	3135	0.07%	0.007%
30	10.179	1363	1371	1379	rBV	522912	910724	20.28%	1.919%
31	10.246	1379	1382	1388	rVB	12045	17267	0.38%	0.036%
32	10.355	1393	1400	1401	rBV5	2903	5185	0.12%	0.011%
33	10.441	1407	1414	1419	rBV	105924	179098	3.99%	0.377%
34	10.520	1423	1427	1432	rVB2	10590	17015	0.38%	0.036%

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Integration Parameters: LSCINT.P

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

35	10.581	1432	1437	1441	rBV2	10018	19287	0.43%	0.041%
36	10.721	1455	1460	1463	rBV6	1850	3226	0.07%	0.007%
37	10.788	1464	1471	1479	rVV	173289	275438	6.13%	0.580%
38	10.953	1492	1498	1504	rBV3	16966	40622	0.90%	0.086%
39	11.093	1515	1521	1526	rVB	25655	45233	1.01%	0.095%
40	11.142	1526	1529	1533	rBV5	5039	7259	0.16%	0.015%
41	11.191	1533	1537	1543	rVB4	11288	20482	0.46%	0.043%
42	11.246	1543	1546	1549	rVB2	2807	3186	0.07%	0.007%
43	11.300	1549	1555	1563	rVB3	28342	62173	1.38%	0.131%
44	11.374	1563	1567	1570	rBV5	2035	3398	0.08%	0.007%
45	11.416	1570	1574	1578	rVB4	2261	3528	0.08%	0.007%
46	11.489	1579	1586	1595	rBV	419525	681711	15.18%	1.437%
47	11.587	1598	1602	1605	rBV3	7847	12742	0.28%	0.027%
48	11.624	1605	1608	1612	rVB3	23302	32808	0.73%	0.069%
49	11.685	1612	1618	1622	rBV6	14695	36344	0.81%	0.077%
50	11.739	1624	1627	1639	rVB5	31108	93131	2.07%	0.196%
51	11.843	1639	1644	1647	rBV3	14492	27430	0.61%	0.058%
52	11.898	1649	1653	1658	rVB2	15564	24524	0.55%	0.052%
53	12.002	1662	1670	1677	rBV4	52359	140203	3.12%	0.295%
54	12.087	1682	1684	1692	rVB5	18213	32064	0.71%	0.068%
55	12.203	1692	1703	1706	rBV3	67942	153518	3.42%	0.324%
56	12.489	1744	1750	1754	rBV5	29694	53874	1.20%	0.114%
57	12.562	1754	1762	1768	rBV	206304	385826	8.59%	0.813%
58	12.642	1770	1775	1783	rVB3	162528	291772	6.50%	0.615%
59	12.733	1783	1790	1793	rBV6	47505	105760	2.36%	0.223%
60	12.812	1797	1803	1815	rVB	582798	999014	22.25%	2.105%
61	12.971	1822	1829	1837	rVB	343999	605782	13.49%	1.277%
62	13.117	1849	1853	1858	rBV	186351	302631	6.74%	0.638%
63	13.251	1869	1875	1879	rBV2	120838	215901	4.81%	0.455%
64	13.312	1880	1885	1889	rBV	184063	270358	6.02%	0.570%
65	13.367	1891	1894	1898	rVB	85811	117710	2.62%	0.248%
66	13.422	1898	1903	1906	rBV	262644	412176	9.18%	0.869%
67	13.568	1924	1927	1930	rBV3	44546	61757	1.38%	0.130%
68	13.623	1932	1936	1939	rBV	357577	518689	11.55%	1.093%
69	13.660	1939	1942	1947	rVB	691416	936289	20.85%	1.973%
70	13.721	1948	1952	1954	rBV	261280	402992	8.97%	0.849%
71	13.824	1964	1969	1973	rBV	331762	492642	10.97%	1.038%

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72	13.885	1974	1979	1981	rVV	540034	788989	17.57%	1.663%
73	13.916	1981	1984	1988	rVB	526503	708856	15.78%	1.494%
74	13.971	1988	1993	1998	rVB	730135	1043259	23.23%	2.199%
75	14.032	1999	2003	2006	rBV	138259	203649	4.53%	0.429%
76	14.080	2006	2011	2015	rVB	865810	1285831	28.63%	2.710%
77	14.129	2015	2019	2027	rVB4	191439	454233	10.11%	0.957%
78	14.215	2028	2033	2036	rBV2	283924	441303	9.83%	0.930%
79	14.257	2036	2040	2042	rBV3	179890	246612	5.49%	0.520%
80	14.294	2042	2046	2049	rVV	623567	878699	19.57%	1.852%
81	14.336	2049	2053	2057	rVB	1444546	2041125	45.45%	4.302%
82	14.379	2057	2060	2063	rBV	265780	362270	8.07%	0.763%
83	14.422	2063	2067	2070	rBV2	380559	497275	11.07%	1.048%
84	14.513	2077	2082	2086	rBV3	242687	434261	9.67%	0.915%
85	14.562	2086	2090	2095	rBV2	435131	721709	16.07%	1.521%
86	14.611	2095	2098	2102	rVB	459914	614343	13.68%	1.295%
87	14.672	2102	2108	2115	rBV2	2155046	4490756	100.00%	9.464%
88	14.739	2115	2119	2124	rVV2	280412	447583	9.97%	0.943%
89	14.830	2131	2134	2138	rBV	294177	413018	9.20%	0.870%
90	14.946	2148	2153	2156	rBV3	993471	1785254	39.75%	3.762%
91	15.056	2165	2171	2179	rVB2	1320375	2872639	63.97%	6.054%
92	15.190	2189	2193	2196	rBV2	302475	533634	11.88%	1.125%
93	15.294	2205	2210	2213	rBV	438811	695868	15.50%	1.467%
94	15.342	2214	2218	2222	rBV	457929	872693	19.43%	1.839%
95	15.525	2242	2248	2255	rBV	879892	1753394	39.04%	3.695%
96	15.812	2291	2295	2300	rVB2	520098	892460	19.87%	1.881%
97	15.885	2301	2307	2312	rBV3	615687	1421287	31.65%	2.995%
98	16.031	2325	2331	2337	rBV3	691176	1413665	31.48%	2.979%
99	16.287	2368	2373	2379	rBV	1589659	2840056	63.24%	5.985%
100	16.489	2399	2406	2419	rBV2	1283098	3102810	69.09%	6.539%

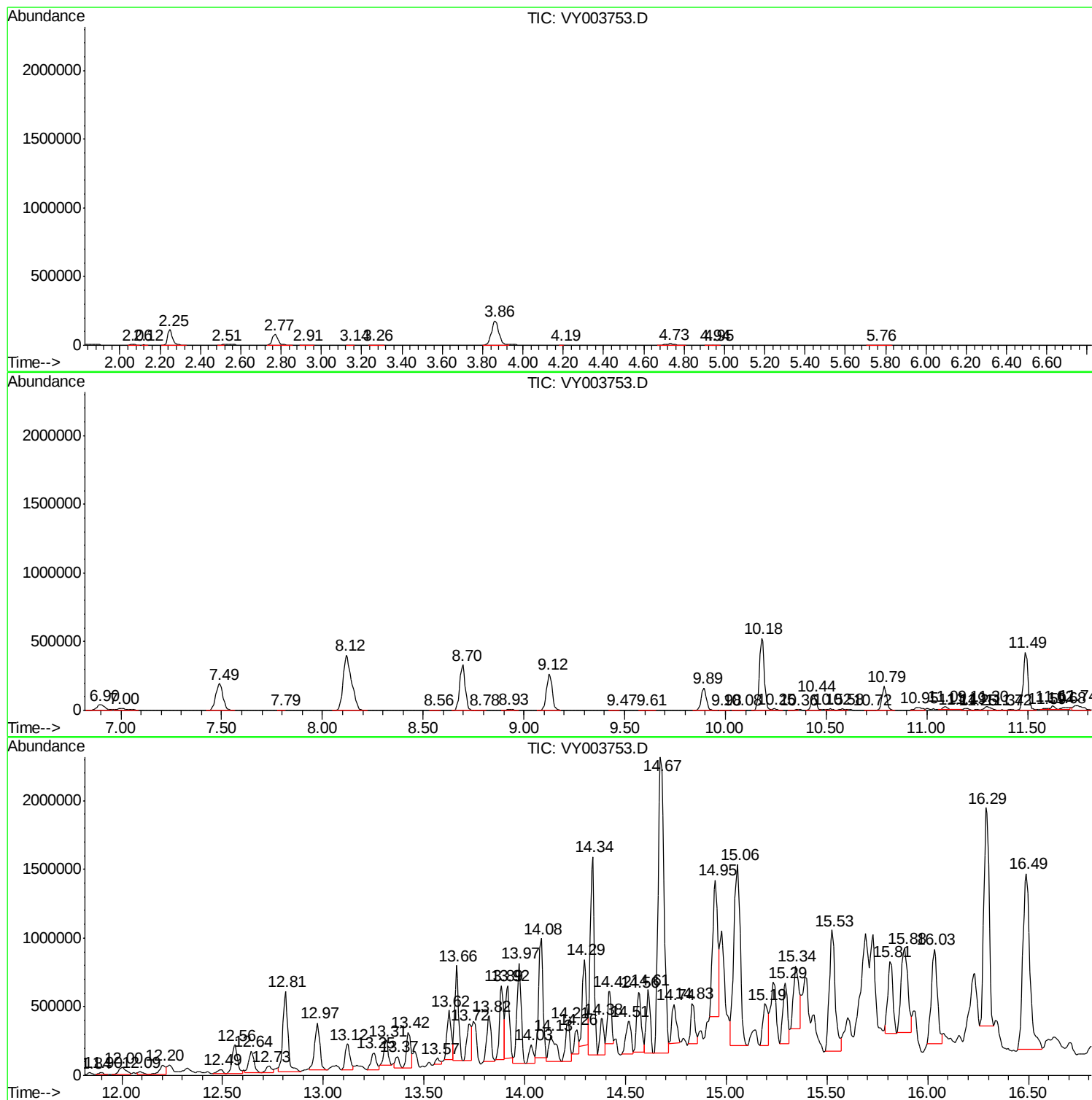
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Instrument :
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM121420S.M
Quant Title : VOC Analysis

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



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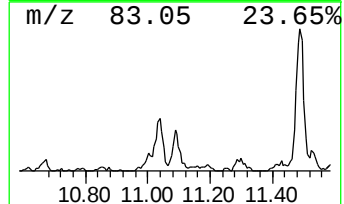
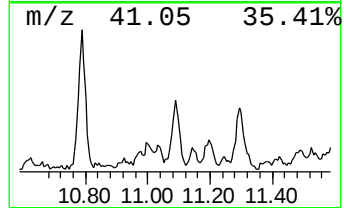
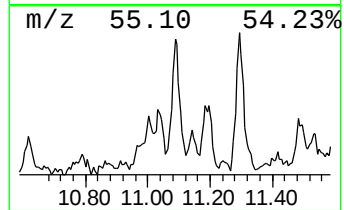
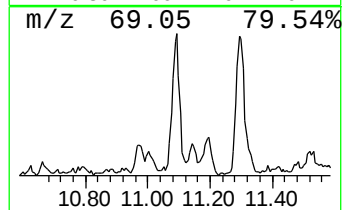
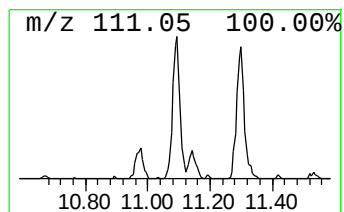
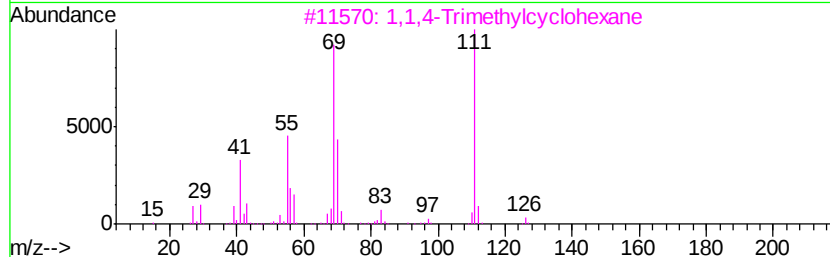
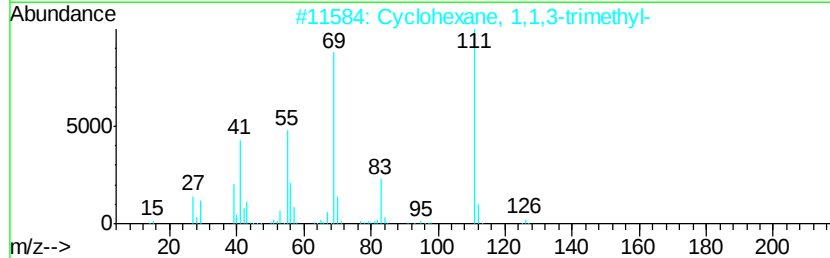
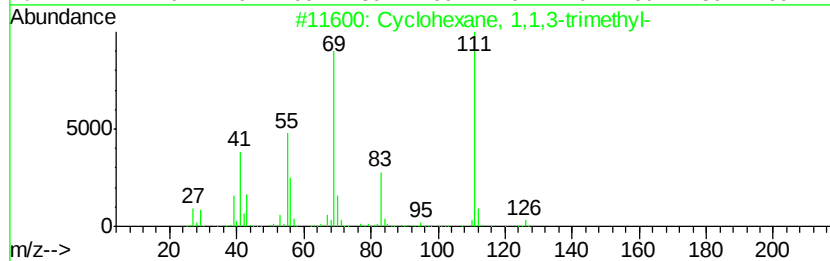
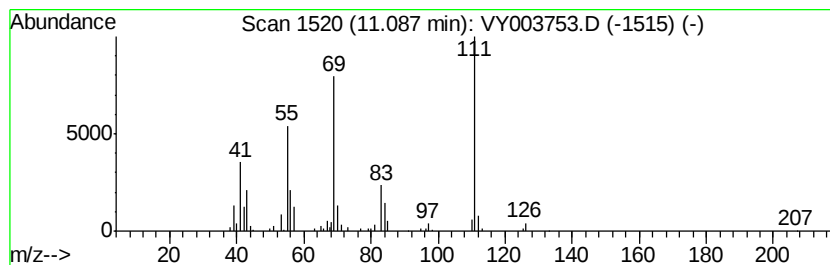
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM121420S.M
Quant Title : VOC Analysis

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

Peak Number 4 (DEL) Alkane: Cyclic11.09 Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.09	1.66 ug/L	45233	Chlorobenzene-d5	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	80
2		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	78
3		1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	72
4		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	72
5		Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	50



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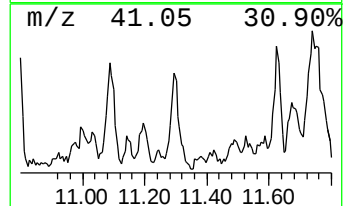
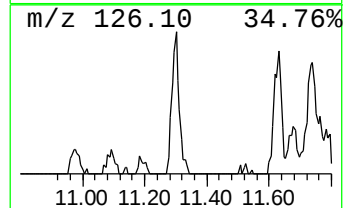
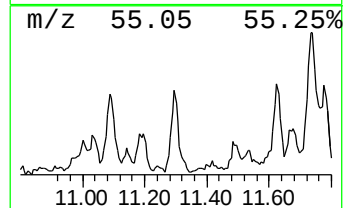
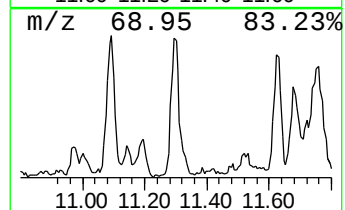
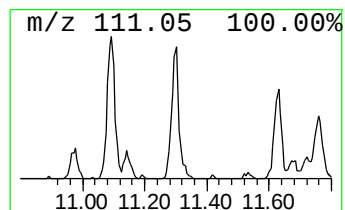
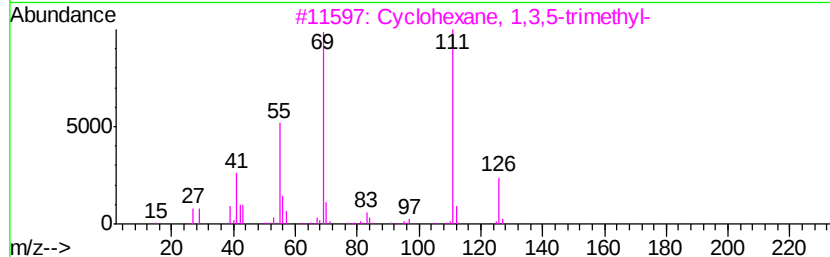
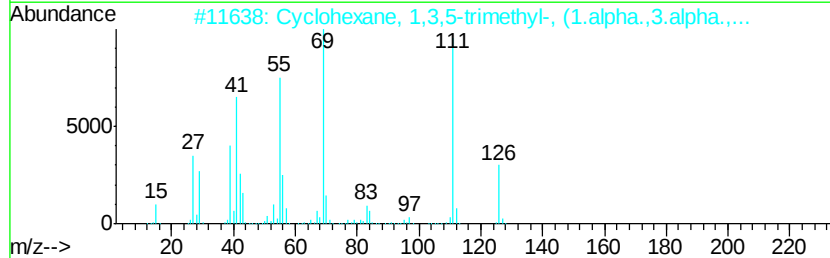
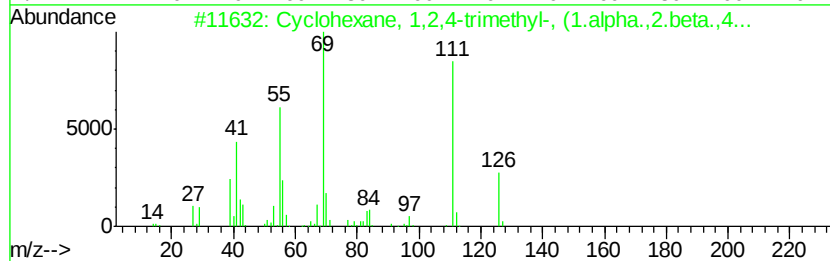
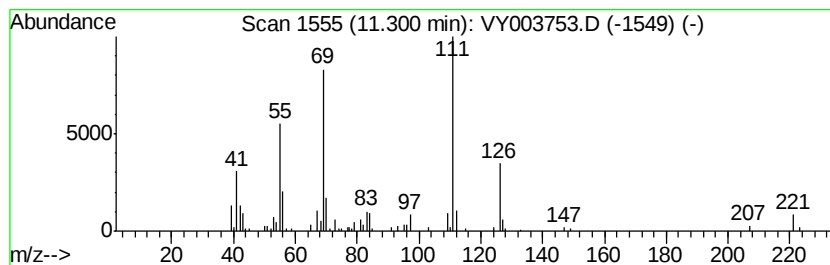
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Quant Title : VOC Analysis

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

Peak Number 5 (DEL) Alkane: Cyclic11.30 Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.30	2.28 ug/L	62173	Chlorobenzene-d5	11.49

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	93
2		Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	90
3		Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	87
4		Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	78
5		Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	78



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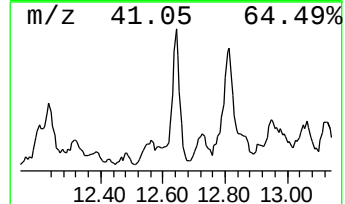
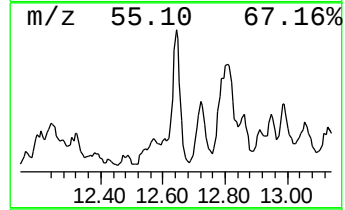
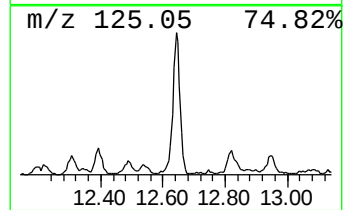
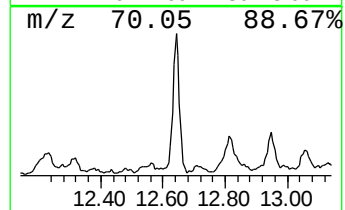
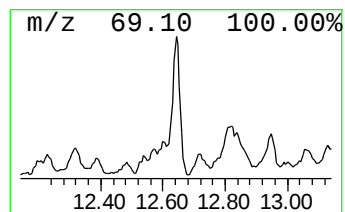
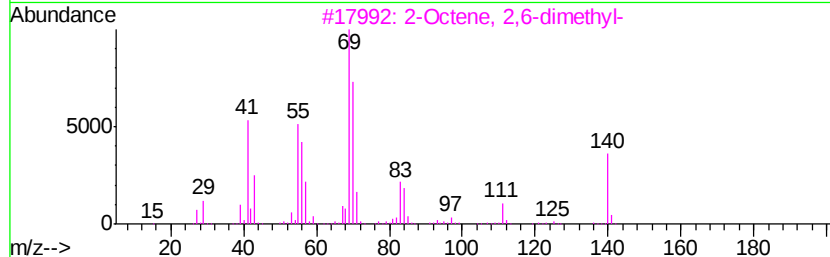
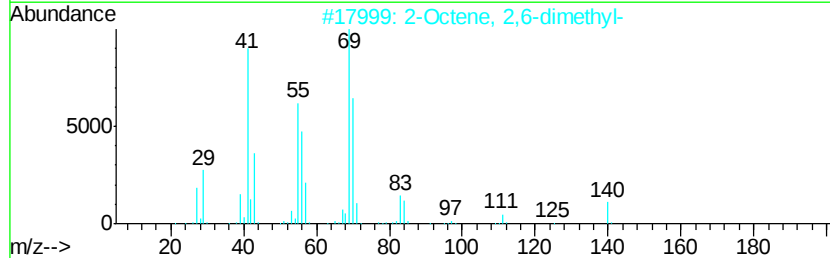
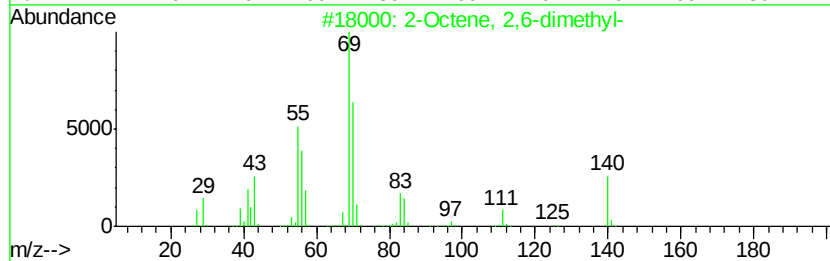
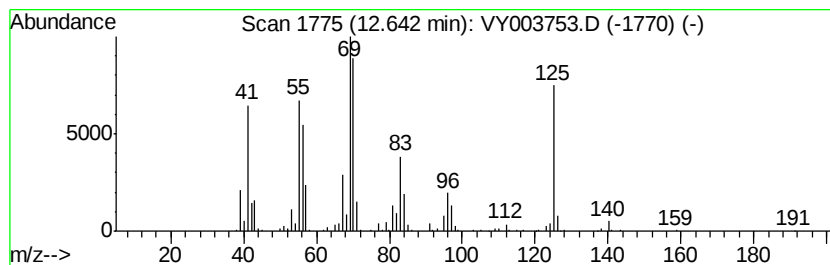
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Quant Title : VOC Analysis

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

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.64	17.70 ug/L	291772	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	60
2		2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	53
3		2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	53
4		Cyclooctane, 1-methyl-3-propyl-	168	C12H24	255885-37-1	47
5		cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003753.D
Acq On : 14 Dec 2020 17:17
Operator : SY/MD
Sample : L5063-04RE
Misc : 4.36G/10ML/MSVOA Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

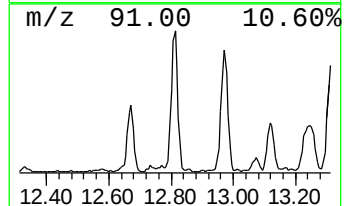
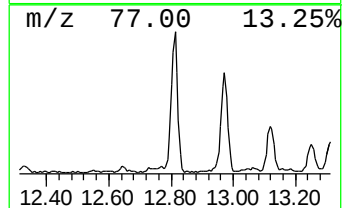
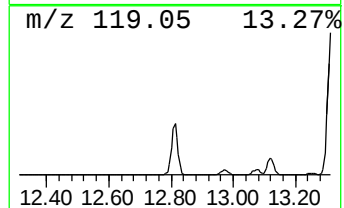
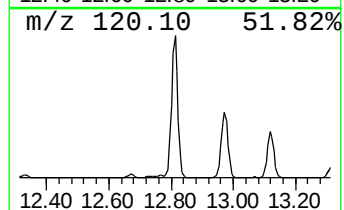
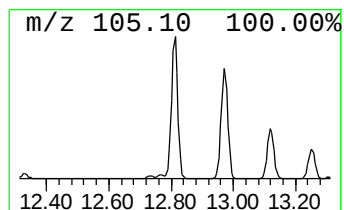
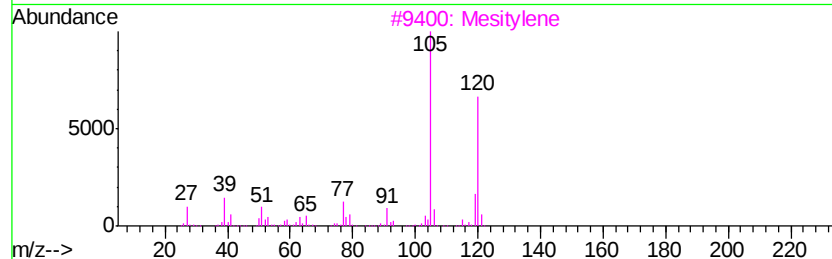
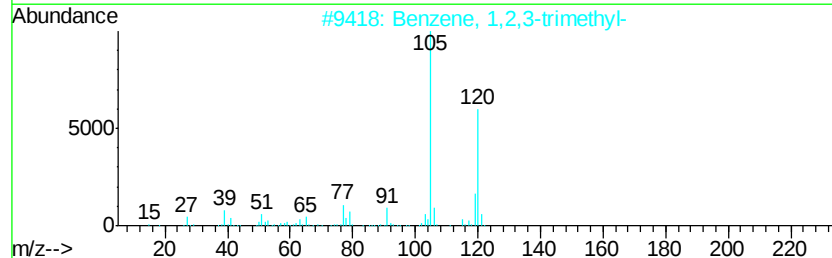
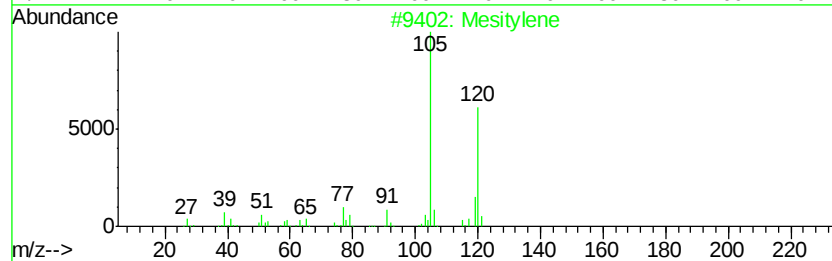
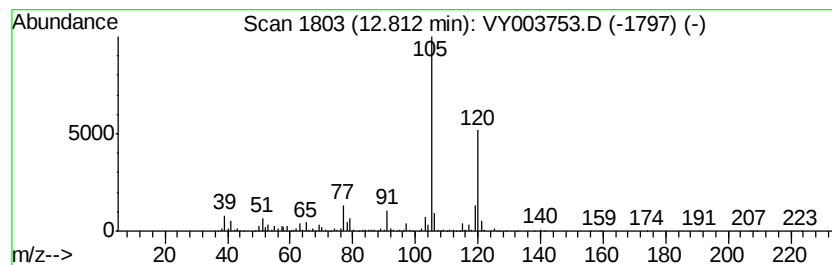
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MSVOA_Y
ClientSampleId :
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Quant Title : VOC Analysis

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

Peak Number 10 Mesitylene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.81	60.59 ug/L	999014	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	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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003753.D
Acq On : 14 Dec 2020 17:17
Operator : SY/MD
Sample : L5063-04RE
Misc : 4.36G/10ML/MSVOA Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD6RE

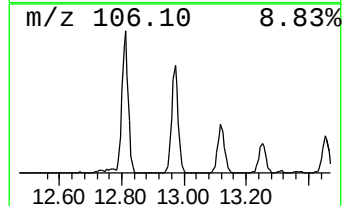
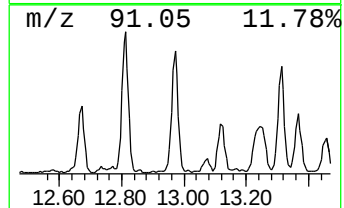
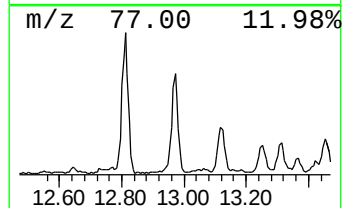
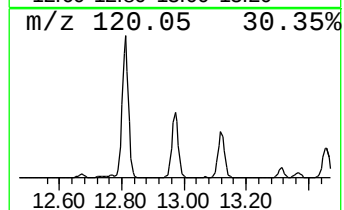
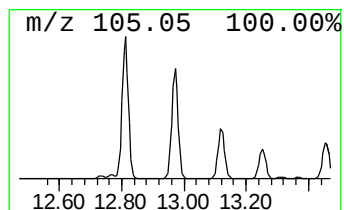
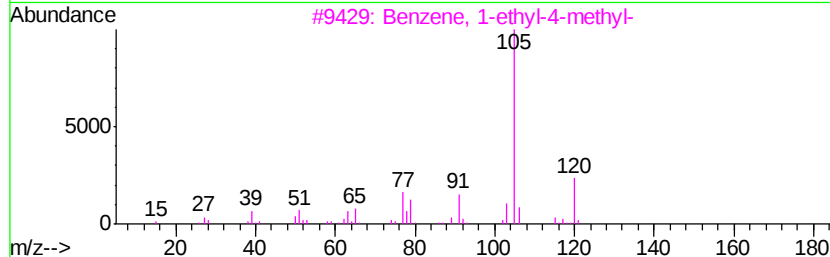
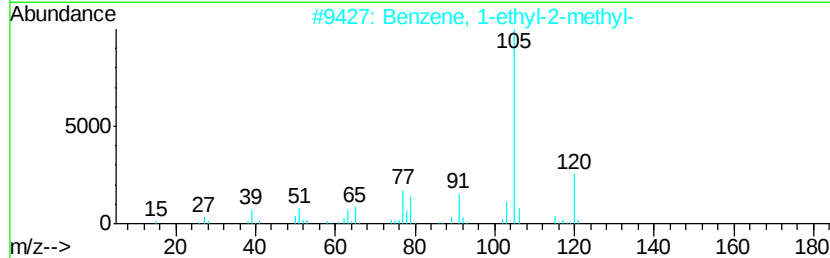
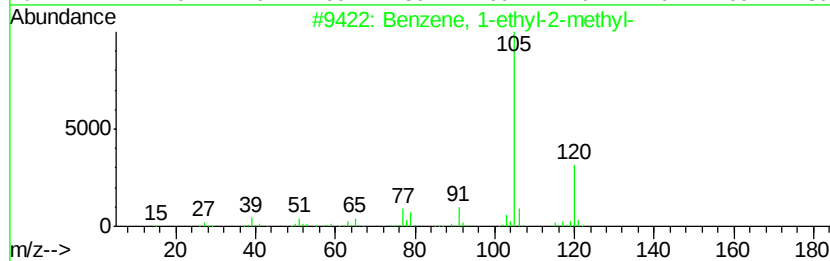
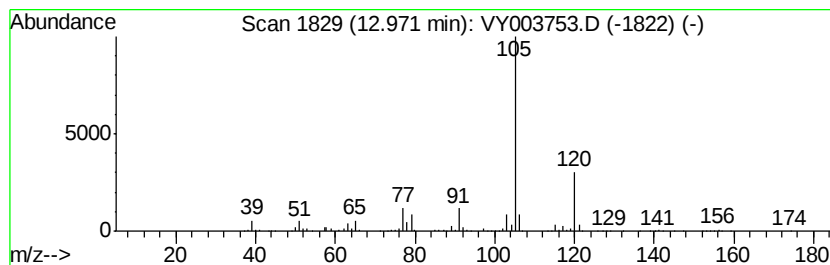
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Quant Title : VOC Analysis

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

Peak Number 11 Benzene, 1-ethyl-2-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.97	36.74 ug/L	605782	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
2		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
3		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
4		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003753.D
Acq On : 14 Dec 2020 17:17
Operator : SY/MD
Sample : L5063-04RE
Misc : 4.36G/10ML/MSVOA Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD6RE

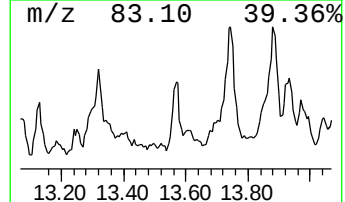
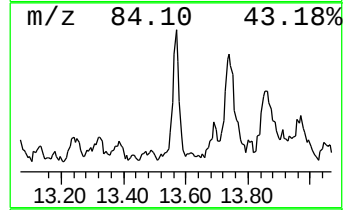
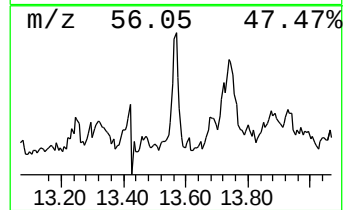
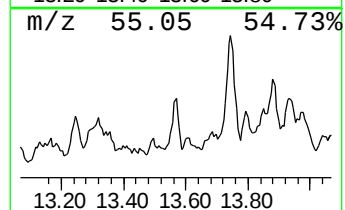
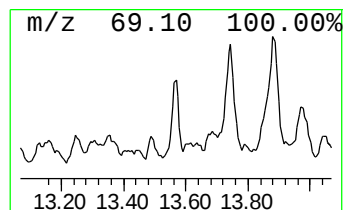
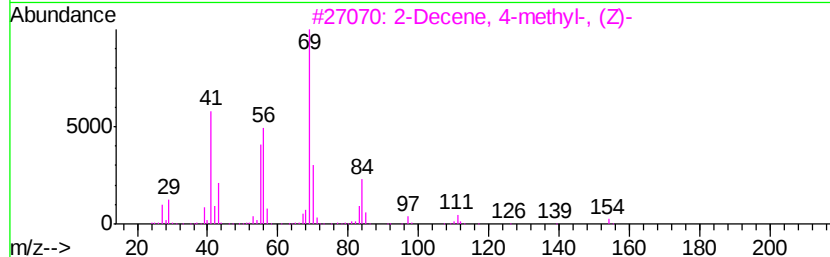
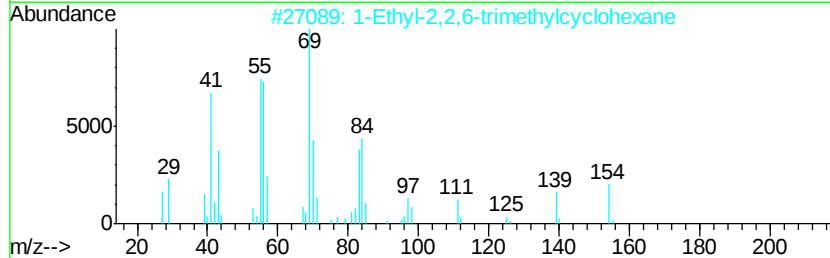
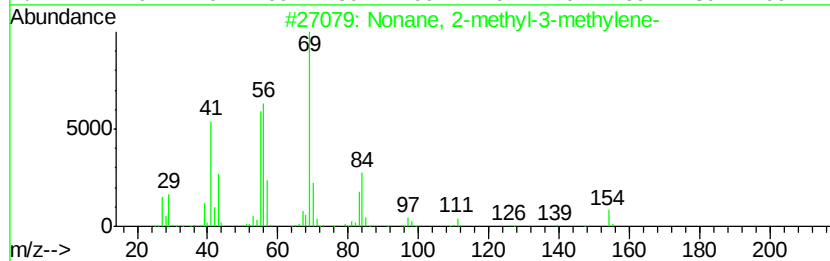
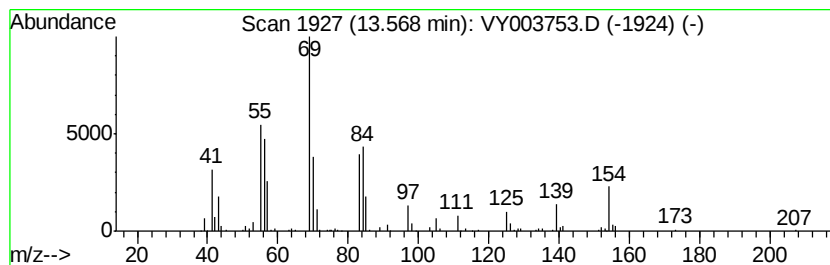
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Quant Title : VOC Analysis

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

Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.57	3.75 ug/L	61757	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-Decene, 4-methyl-, (Z)-	154	C11H22	074630-30-1	64
4		Cyclopentane, propyl-	112	C8H16	002040-96-2	53
5		11-Methyldodecanol	200	C13H28O	085763-57-1	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003753.D
Acq On : 14 Dec 2020 17:17
Operator : SY/MD
Sample : L5063-04RE
Misc : 4.36G/10ML/MSVOA Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

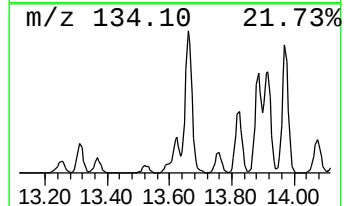
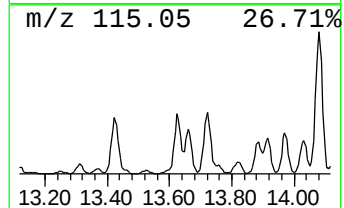
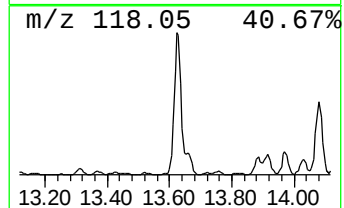
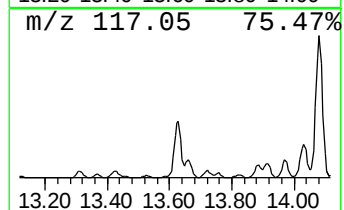
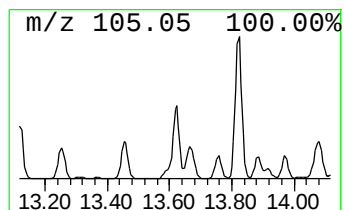
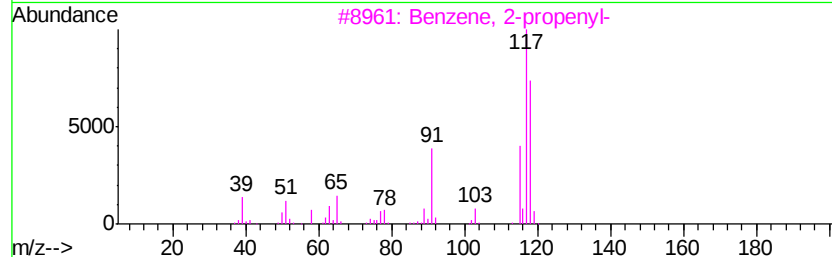
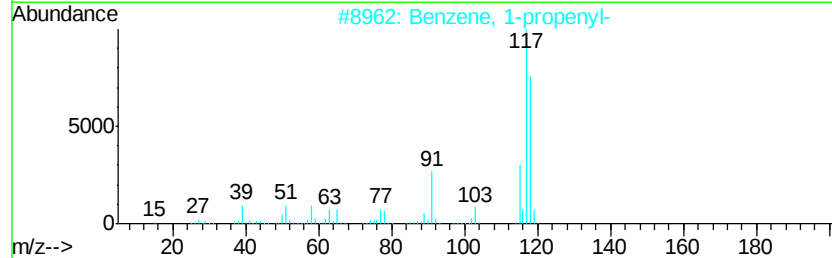
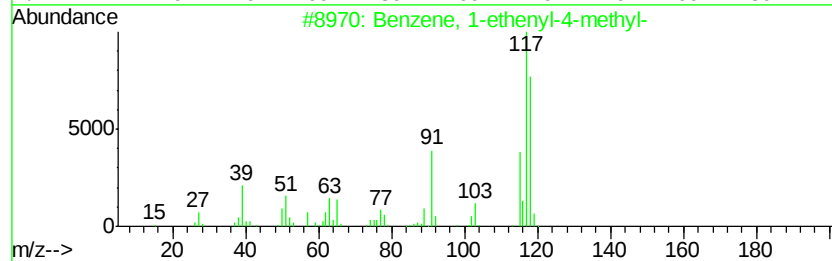
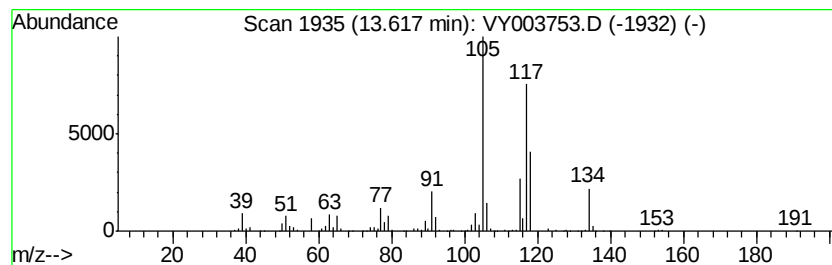
Instrument :
MSVOA_Y
ClientSampleId :
C0AD6RE

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 17 Benzene, 1-ethenyl-4-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.62	31.46 ug/L	518689	1,4-Dichlorobenzene-d4	13.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, 1-ethenyl-4-methyl-	118 C9H10	000622-97-9 83
2		Benzene, 1-propenyl-	118 C9H10	000637-50-3 64
3		Benzene, 2-propenyl-	118 C9H10	000300-57-2 64
4		Benzene, 1-ethenyl-2-methyl-	118 C9H10	000611-15-4 64
5		Benzene, 2-propenyl-	118 C9H10	000300-57-2 58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003753.D
Acq On : 14 Dec 2020 17:17
Operator : SY/MD
Sample : L5063-04RE
Misc : 4.36G/10ML/MSVOA Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD6RE

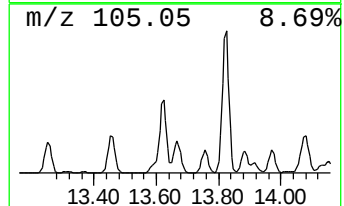
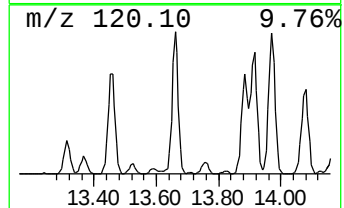
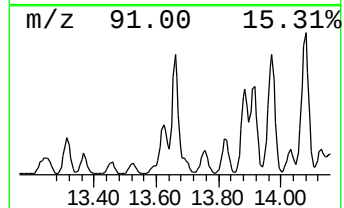
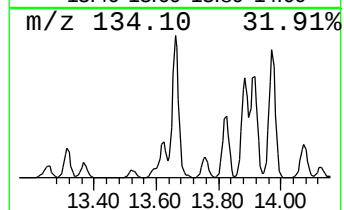
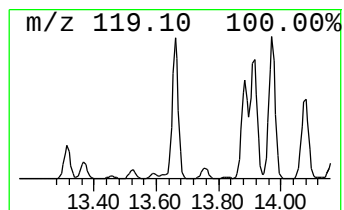
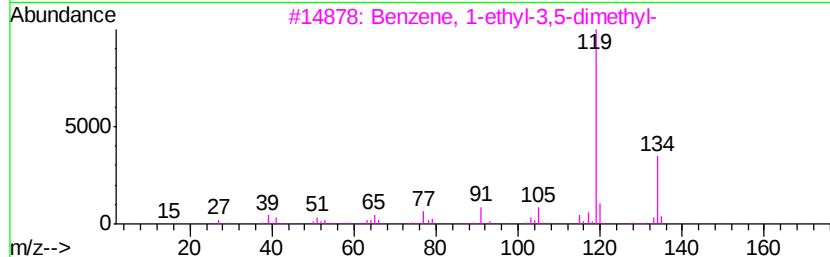
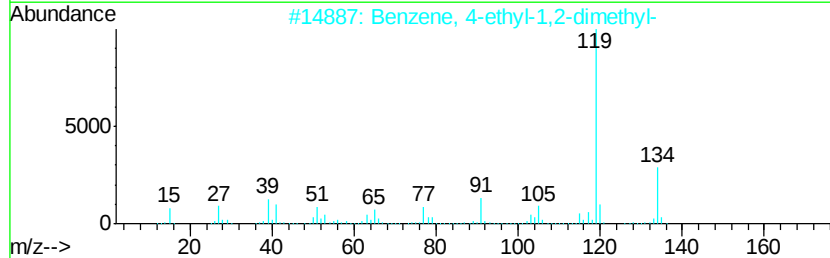
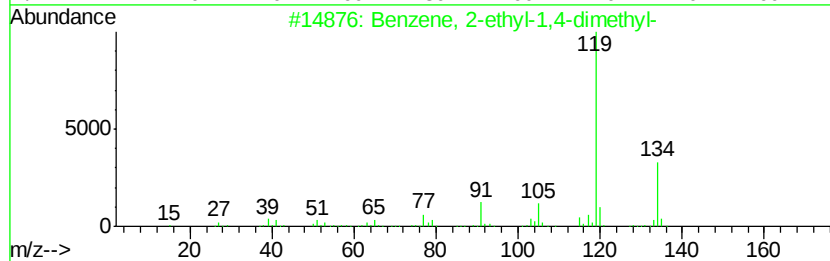
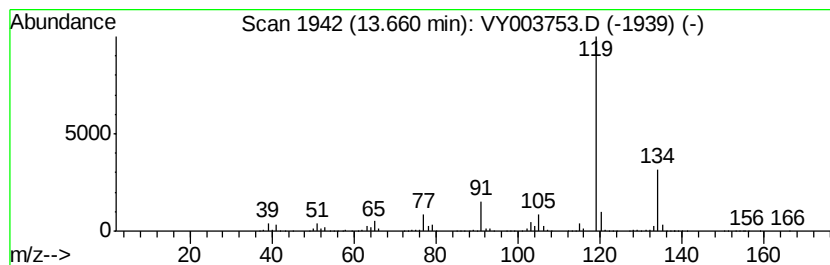
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Quant Title : VOC Analysis

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

Peak Number 18 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.66	56.79 ug/L	936289	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-3,5-dimethyl-	134	C10H14	000934-74-7	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003753.D
Acq On : 14 Dec 2020 17:17
Operator : SY/MD
Sample : L5063-04RE
Misc : 4.36G/10ML/MSVOA Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD6RE

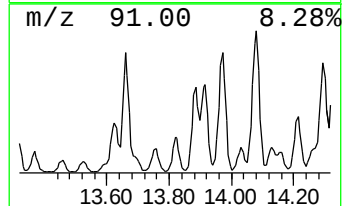
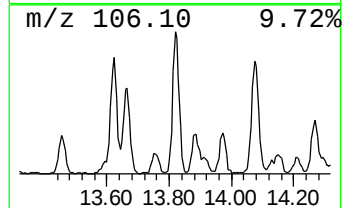
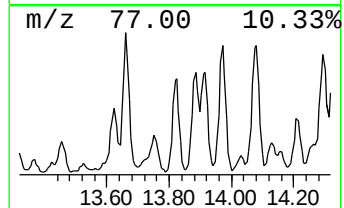
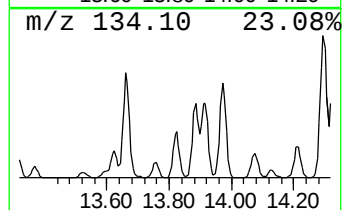
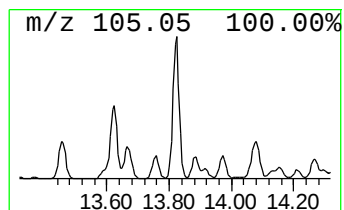
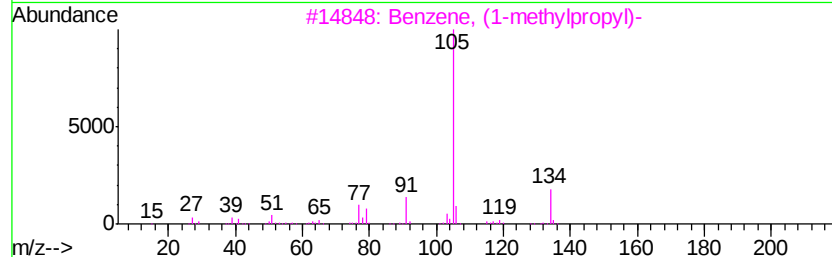
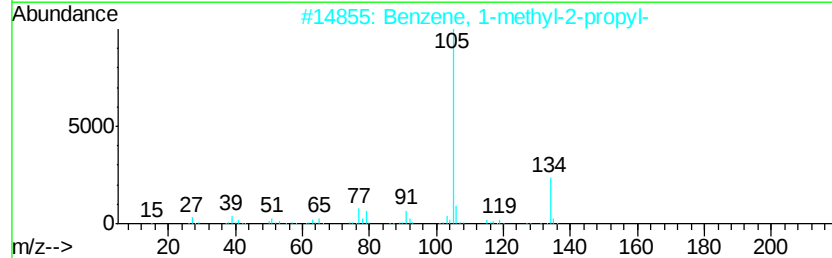
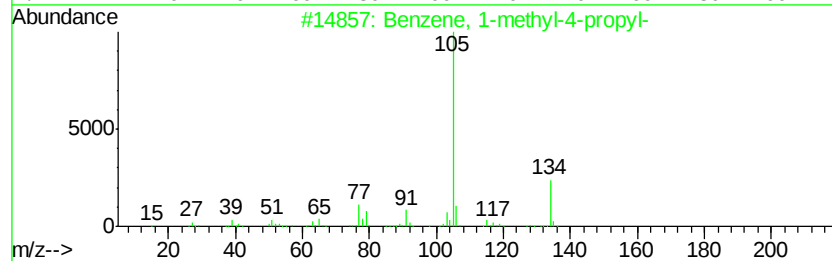
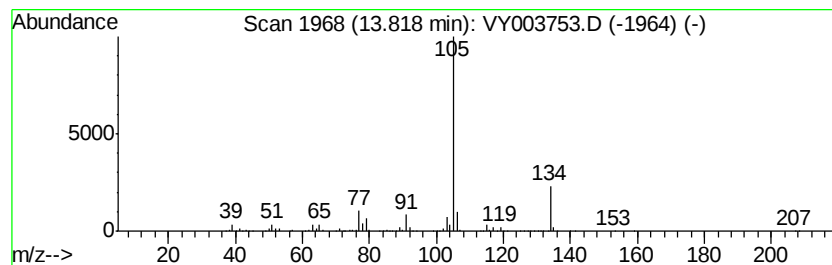
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Quant Title : VOC Analysis

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

Peak Number 19 Benzene, 1-methyl-4-propyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.82	29.88 ug/L	492642	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	95
2		Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	94
3		Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	91
4		Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
5		Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003753.D
Acq On : 14 Dec 2020 17:17
Operator : SY/MD
Sample : L5063-04RE
Misc : 4.36G/10ML/MSVOA Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

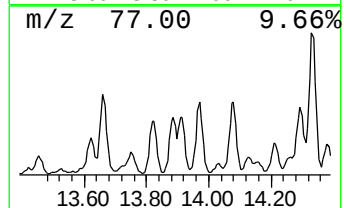
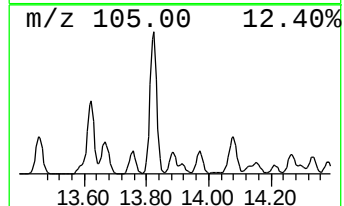
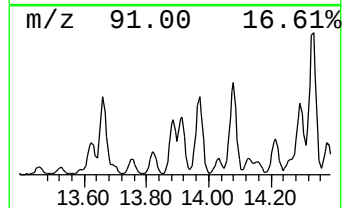
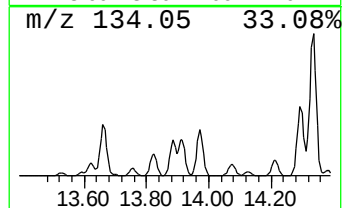
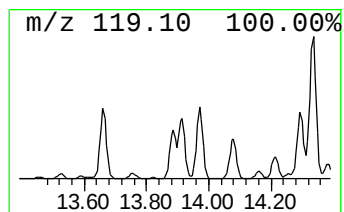
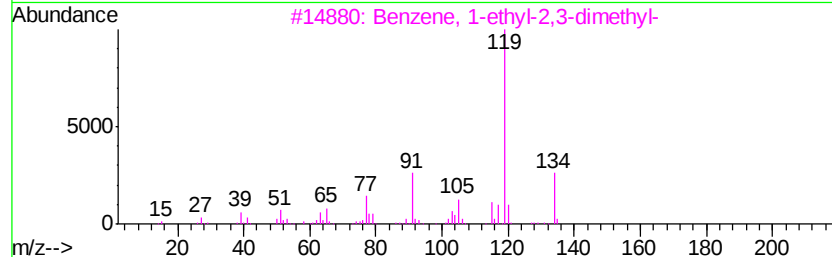
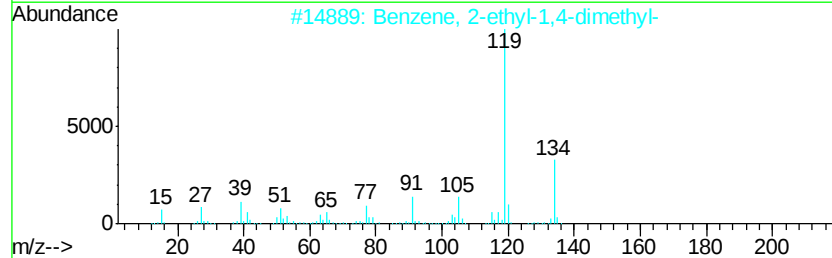
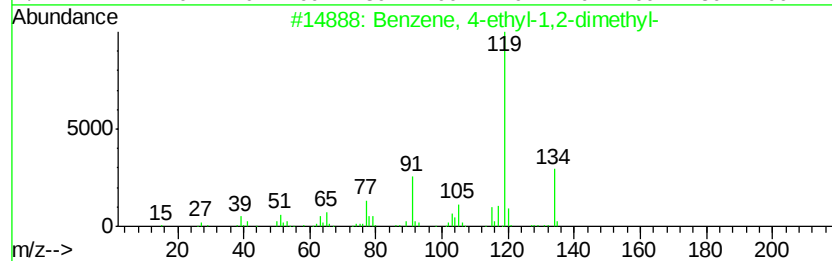
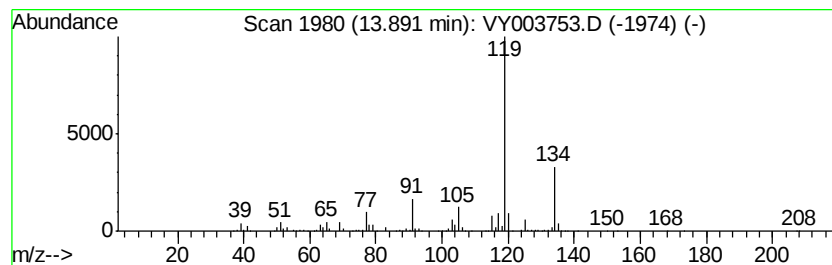
Instrument :
MSVOA_Y
ClientSampleId :
C0AD6RE

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 20 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.89	47.86 ug/L	788989	1,4-Dichlorobenzene-d4	13.42		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96	
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95	
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95	
4	o-Cymene	134	C10H14	000527-84-4	94	
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94	



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003753.D
Acq On : 14 Dec 2020 17:17
Operator : SY/MD
Sample : L5063-04RE
Misc : 4.36G/10ML/MSVOA Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD6RE

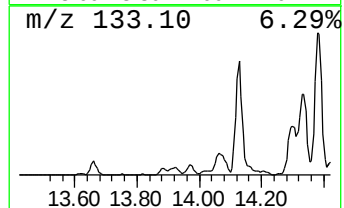
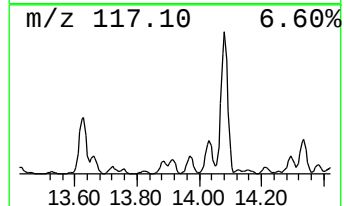
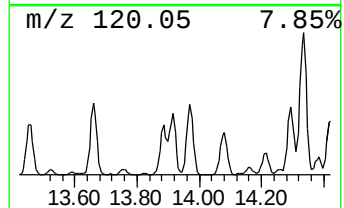
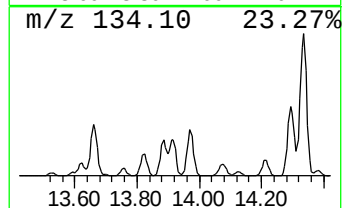
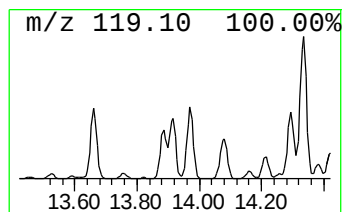
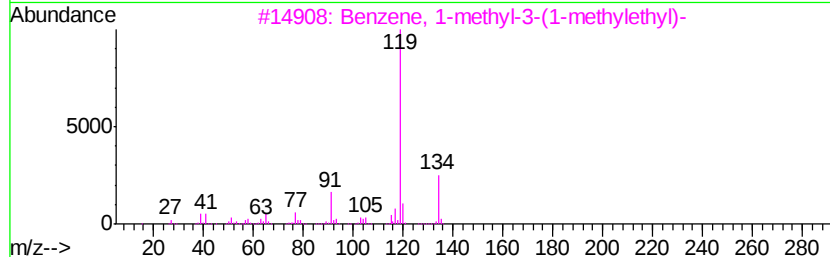
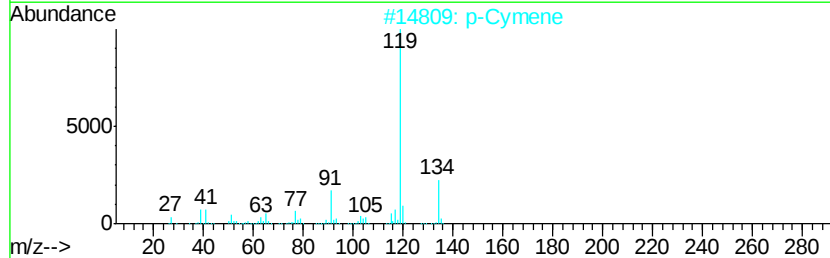
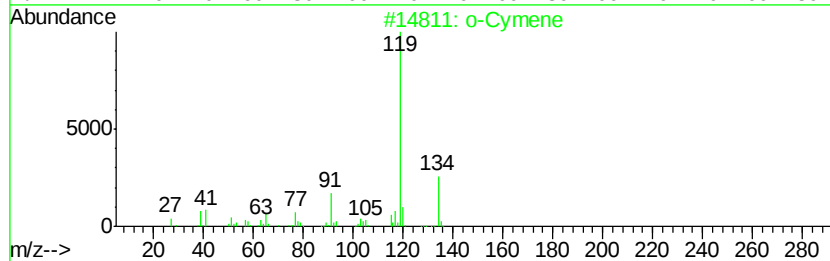
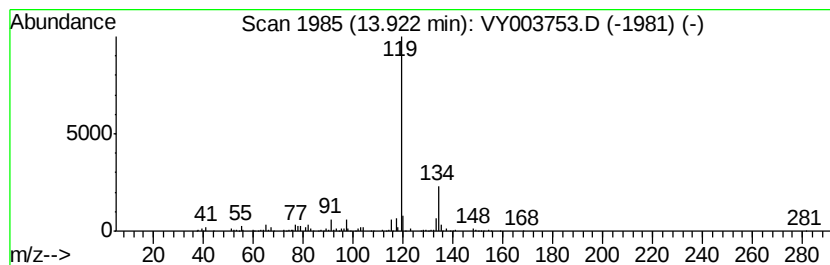
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Quant Title : VOC Analysis

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

Peak Number 21 o-Cymene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.92	42.99 ug/L	708856	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	o-Cymene	134	C10H14	000527-84-4	97
2		p-Cymene	134	C10H14	000099-87-6	97
3		Benzene, 1-methyl-3-(1-methylethyl)-	134	C10H14	000535-77-3	97
4		o-Cymene	134	C10H14	000527-84-4	95
5		Benzene, 1-methyl-3-(1-methylethyl)-	134	C10H14	000535-77-3	95



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003753.D
Acq On : 14 Dec 2020 17:17
Operator : SY/MD
Sample : L5063-04RE
Misc : 4.36G/10ML/MSVOA Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD6RE

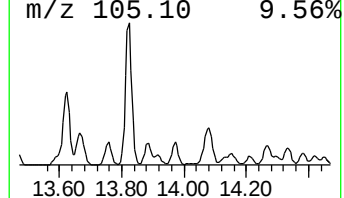
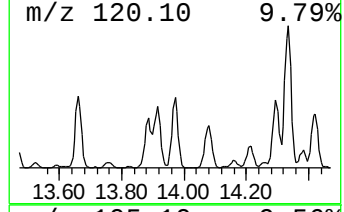
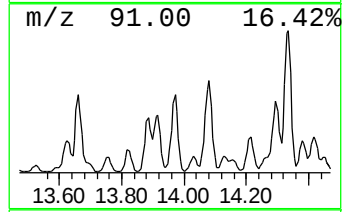
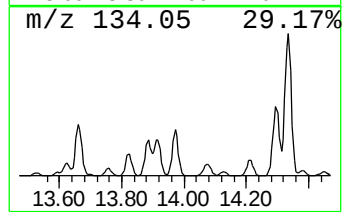
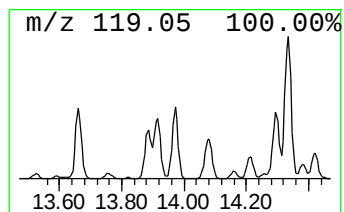
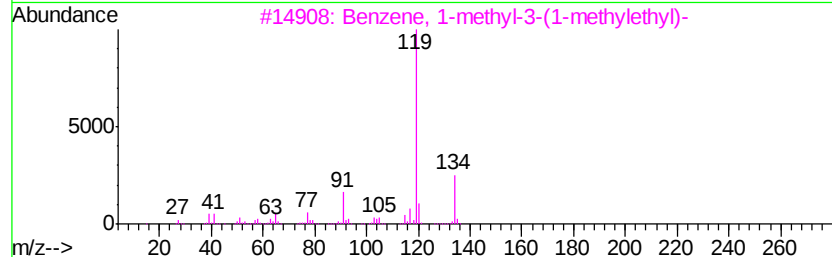
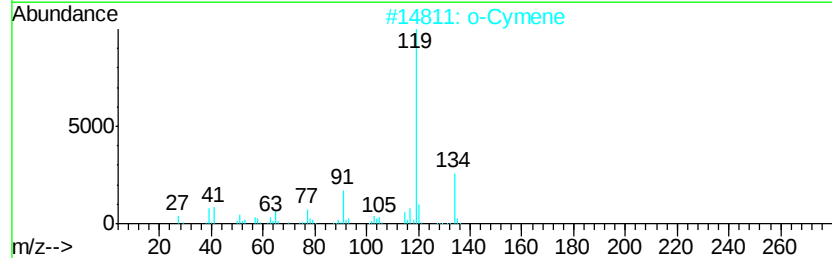
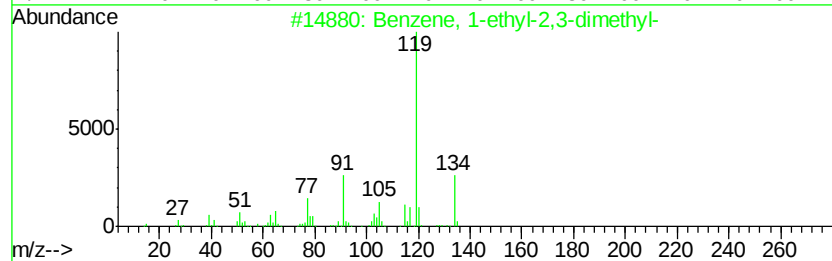
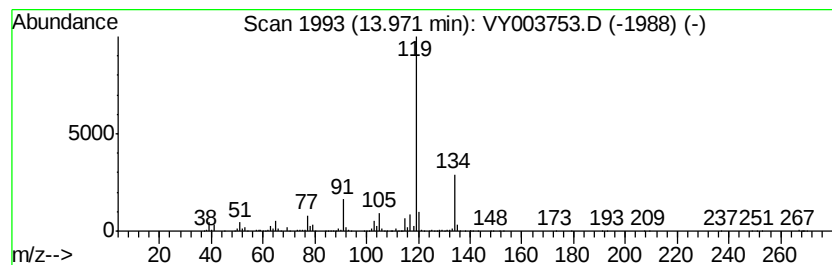
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Quant Title : VOC Analysis

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

Peak Number 22 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	63.28 ug/L	1043260	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
2		o-Cymene	134	C10H14	000527-84-4	95
3		Benzene, 1-methyl-3-(1-methylethyl-)	134	C10H14	000535-77-3	95
4		o-Cymene	134	C10H14	000527-84-4	95
5		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003753.D
Acq On : 14 Dec 2020 17:17
Operator : SY/MD
Sample : L5063-04RE
Misc : 4.36G/10ML/MSVOA Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD6RE

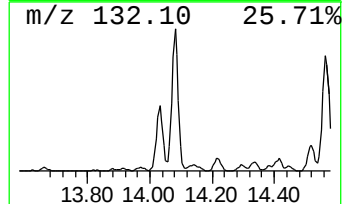
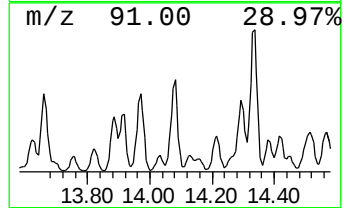
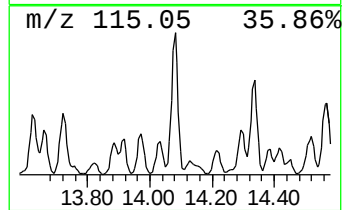
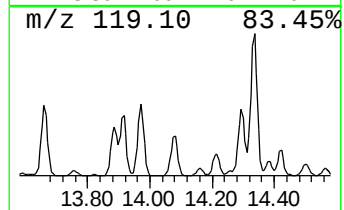
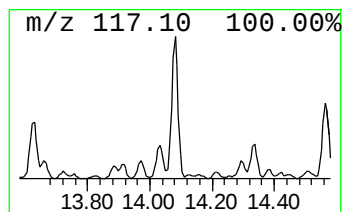
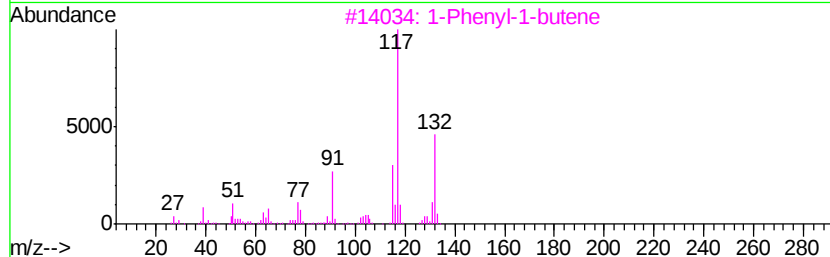
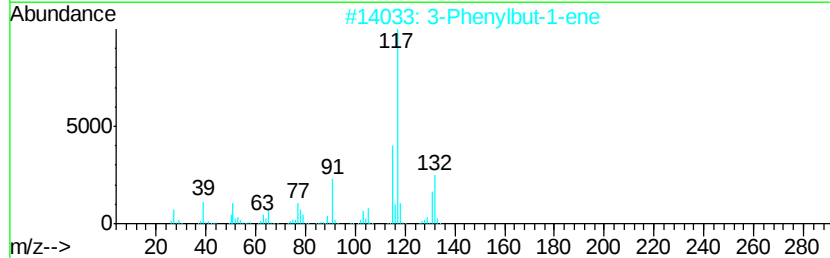
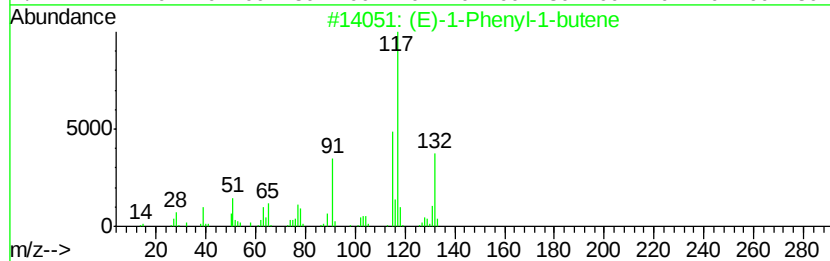
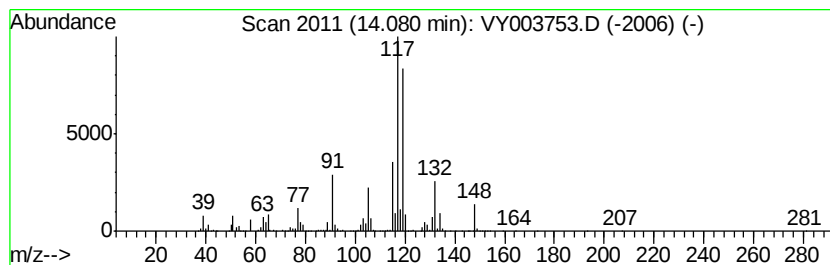
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Quant Title : VOC Analysis

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

Peak Number 24 (E)-1-Phenyl-1-butene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.08	77.99 ug/L	1285830	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	70
2		3-Phenylbut-1-ene	132	C10H12	000934-10-1	70
3		1-Phenyl-1-butene	132	C10H12	000824-90-8	70
4		Benzene, 2-butenyl-	132	C10H12	001560-06-1	55
5		Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003753.D
Acq On : 14 Dec 2020 17:17
Operator : SY/MD
Sample : L5063-04RE
Misc : 4.36G/10ML/MSVOA Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD6RE

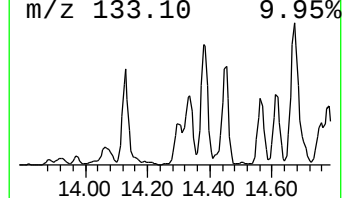
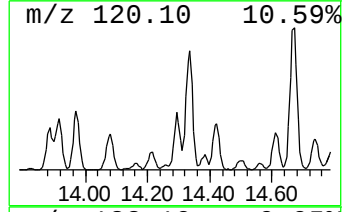
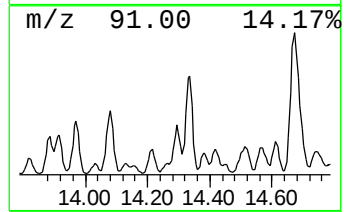
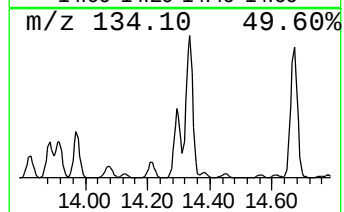
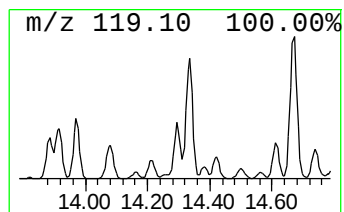
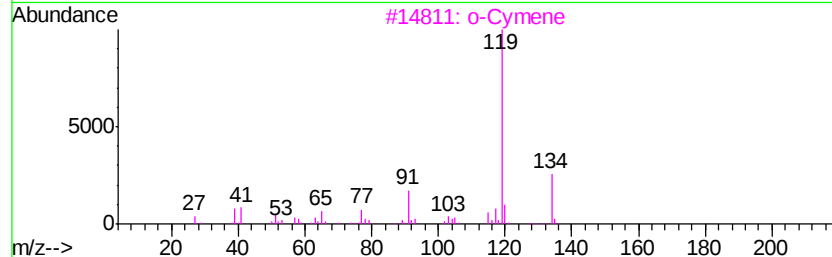
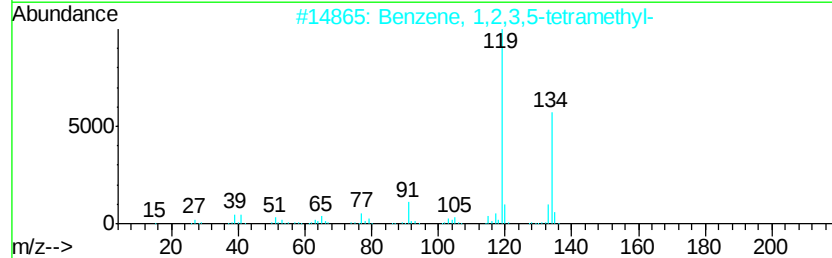
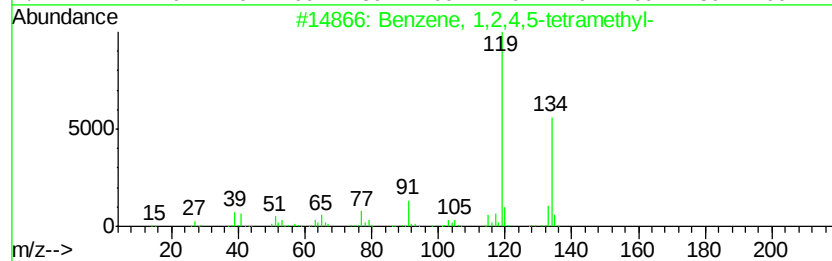
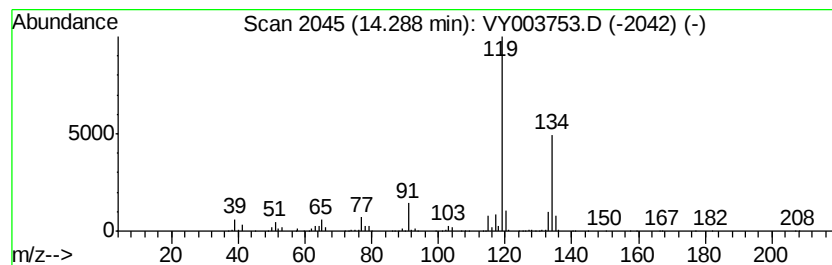
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM121420S.M
Quant Title : VOC Analysis

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

Peak Number 28 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.29	53.30 ug/L	878699	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	95
2		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
3		o-Cymene	134	C10H14	000527-84-4	95
4		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
5		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003753.D
Acq On : 14 Dec 2020 17:17
Operator : SY/MD
Sample : L5063-04RE
Misc : 4.36G/10ML/MSVOA Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD6RE

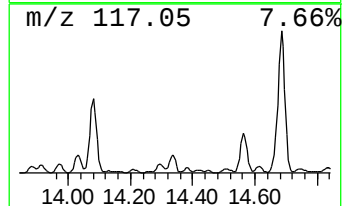
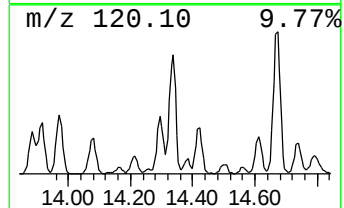
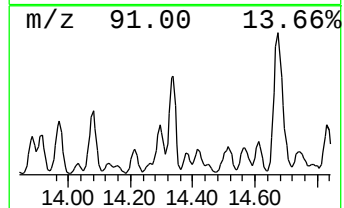
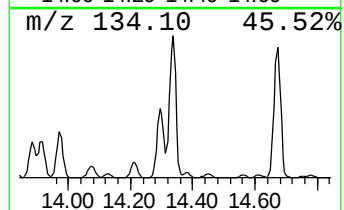
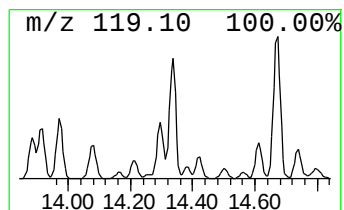
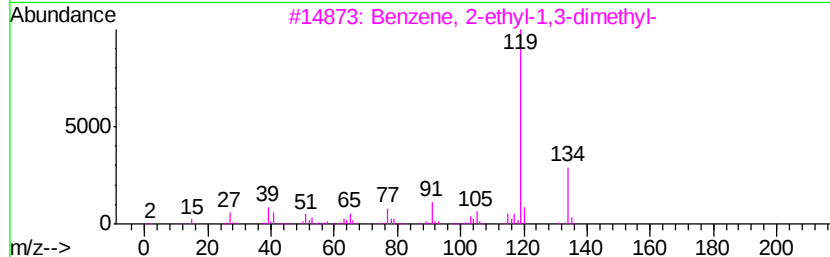
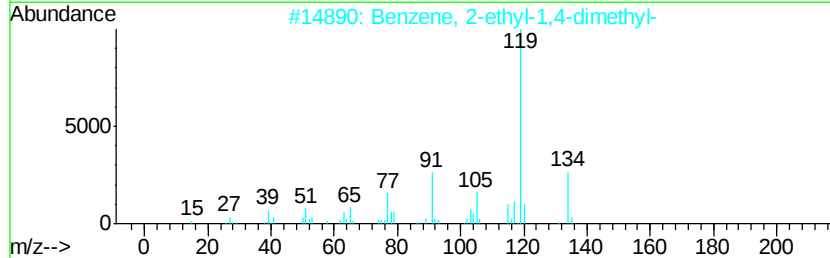
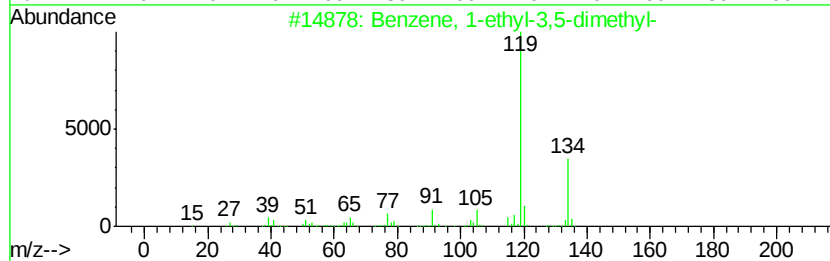
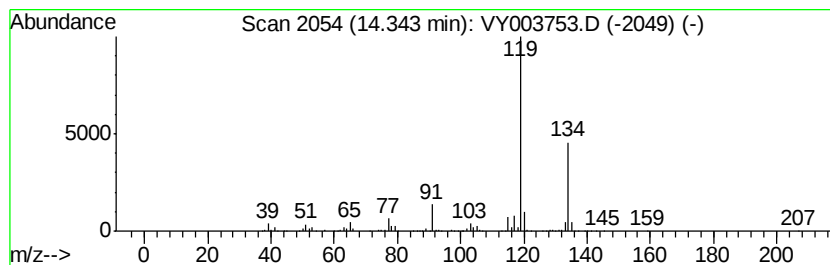
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Quant Title : VOC Analysis

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

Peak Number 29 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.34	123.80 ug/L	2041130	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	95
2		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
3		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
4		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
5		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003753.D
Acq On : 14 Dec 2020 17:17
Operator : SY/MD
Sample : L5063-04RE
Misc : 4.36G/10ML/MSVOA Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD6RE

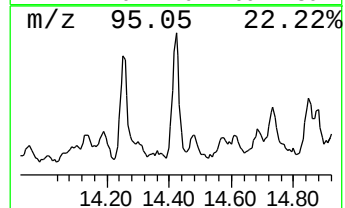
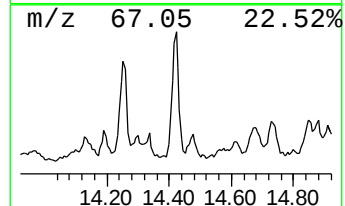
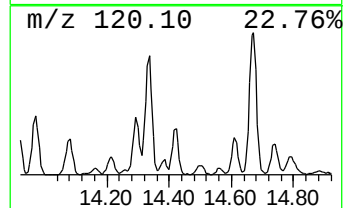
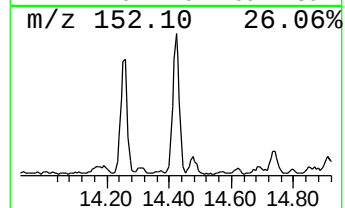
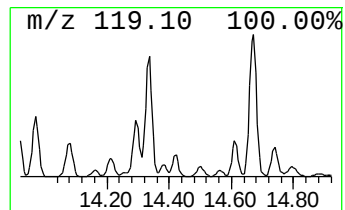
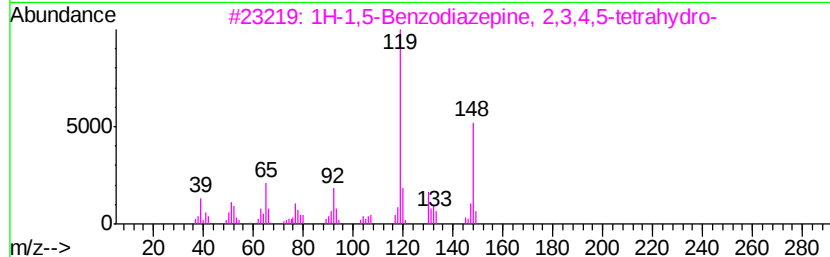
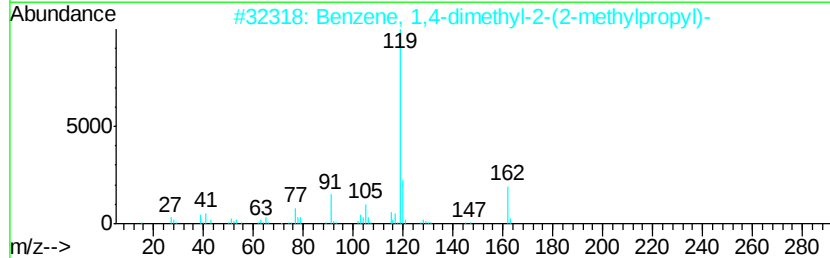
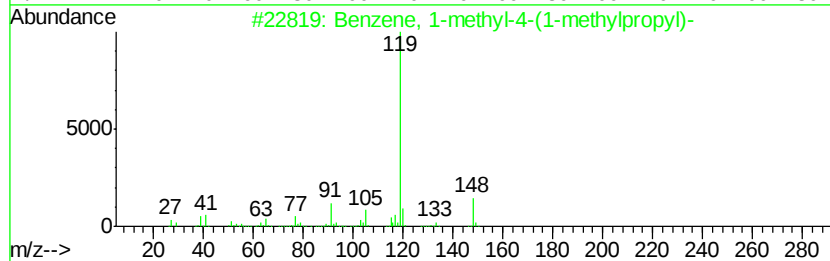
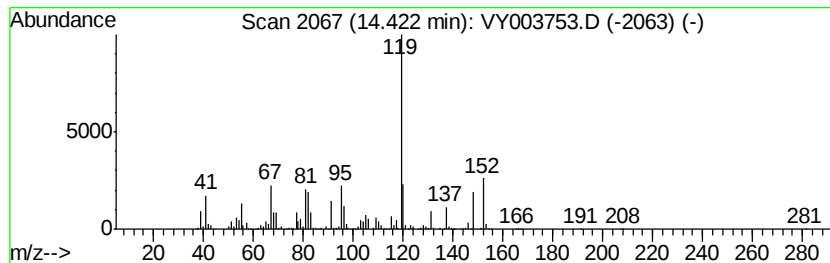
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Quant Title : VOC Analysis

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

Peak Number 31 unknown-01 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.42	30.16 ug/L	497275	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	38
2		Benzene, 1,4-dimethyl-2-(2-methy...	162	C12H18	055669-88-0	38
3		1H-1,5-Benzodiazepine, 2,3,4,5-t...	148	C9H12N2	006516-89-8	38
4		Acetic acid, (2,4-xylvl)-	164	C10H12O2	006331-04-0	27
5		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	27



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003753.D
Acq On : 14 Dec 2020 17:17
Operator : SY/MD
Sample : L5063-04RE
Misc : 4.36G/10ML/MSVOA Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

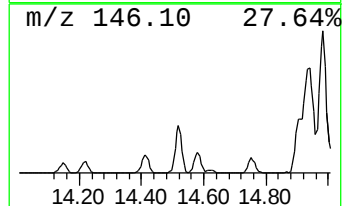
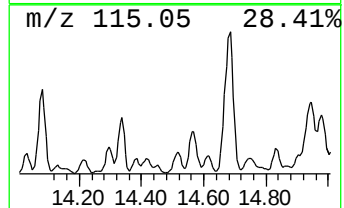
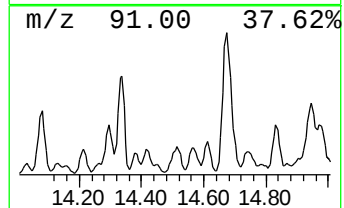
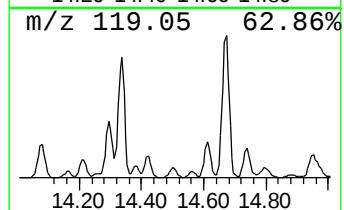
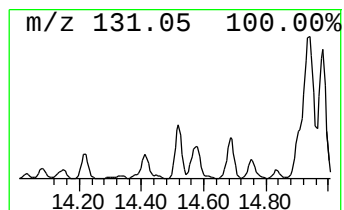
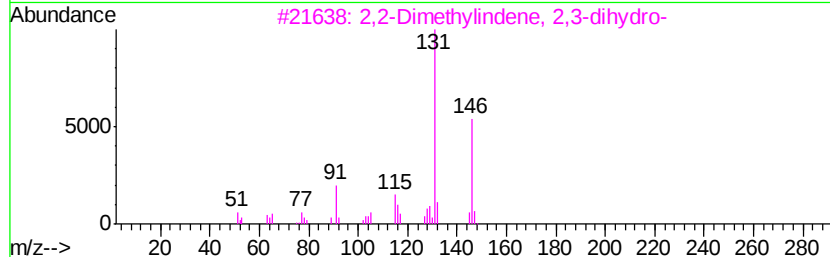
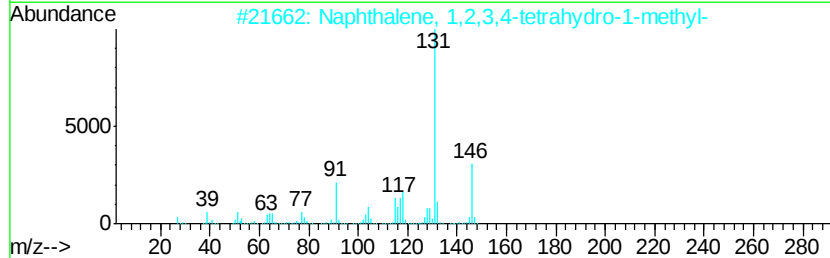
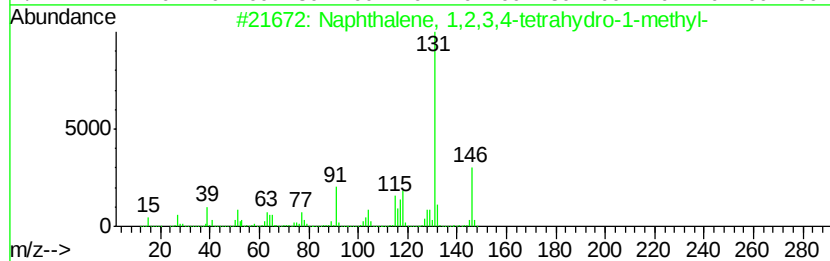
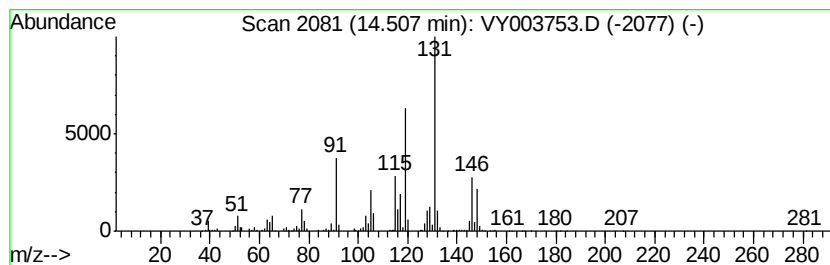
Instrument :
MSVOA_Y
ClientSampleId :
C0AD6RE

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 32 Naphthalene, 1,2,3,4-tetrahydro-... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.51	26.34 ug/L	434261	1,4-Dichlorobenzene-d4	13.42	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	91
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	91
3	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	90
4	Benzene, (1,1-dimethyl-2-propenyl)-	146	C11H14	018321-36-3	87
5	Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003753.D
Acq On : 14 Dec 2020 17:17
Operator : SY/MD
Sample : L5063-04RE
Misc : 4.36G/10ML/MSVOA Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

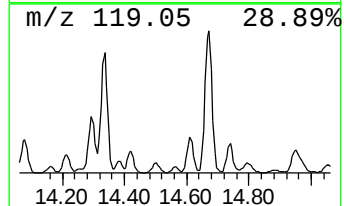
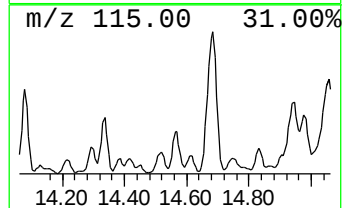
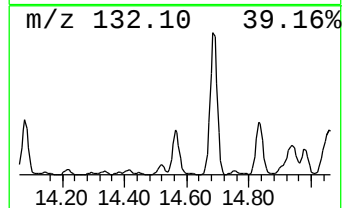
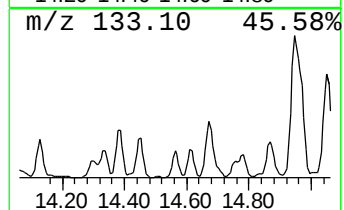
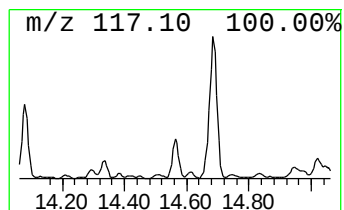
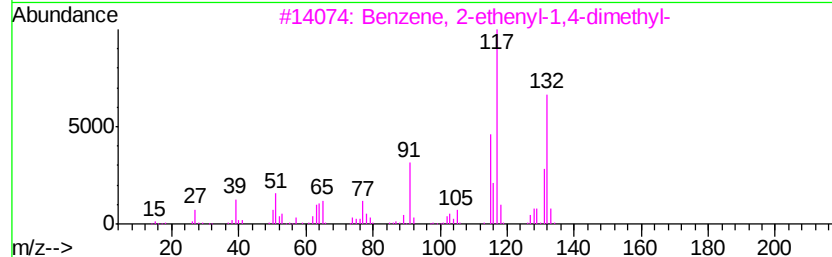
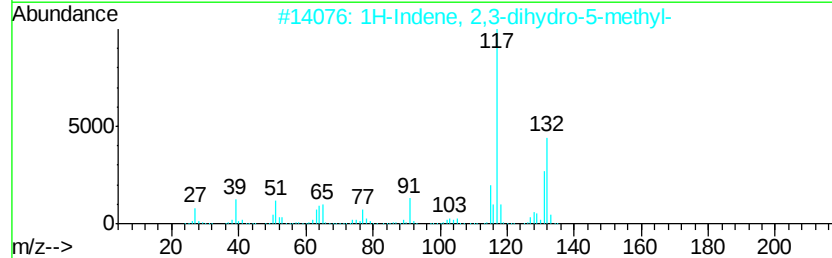
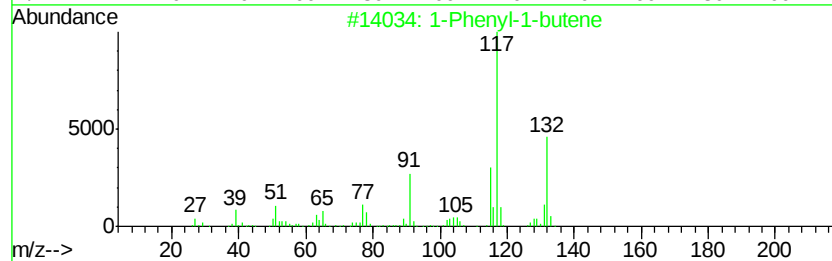
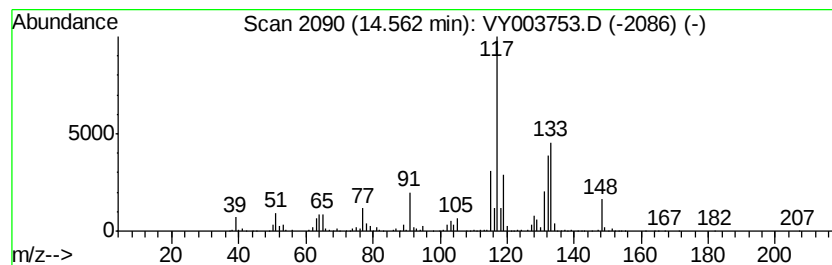
Instrument :
MSVOA_Y
ClientSampleId :
C0AD6RE

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 1-Phenyl-1-butene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.56	43.77 ug/L	721709	1,4-Dichlorobenzene-d4	13.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		1-Phenyl-1-butene	132 C10H12	000824-90-8 91
2		1H-Indene, 2,3-dihydro-5-methyl-	132 C10H12	000874-35-1 91
3		Benzene, 2-ethenyl-1,4-dimethyl-	132 C10H12	002039-89-6 91
4		3-Phenylbut-1-ene	132 C10H12	000934-10-1 70
5		1H-Indene, 2,3-dihydro-4-methyl-	132 C10H12	000824-22-6 64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003753.D
Acq On : 14 Dec 2020 17:17
Operator : SY/MD
Sample : L5063-04RE
Misc : 4.36G/10ML/MSVOA Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD6RE

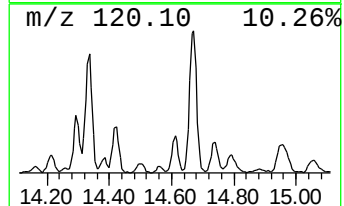
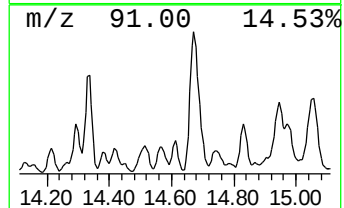
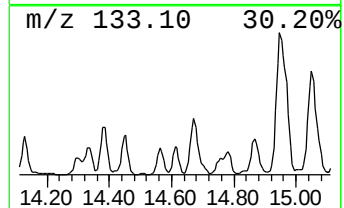
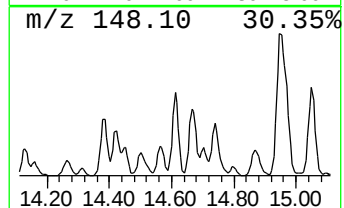
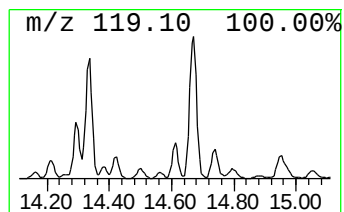
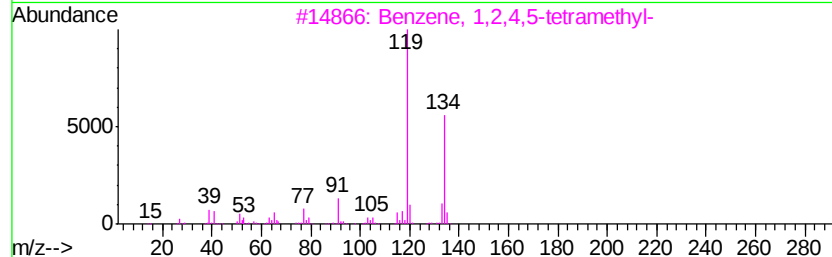
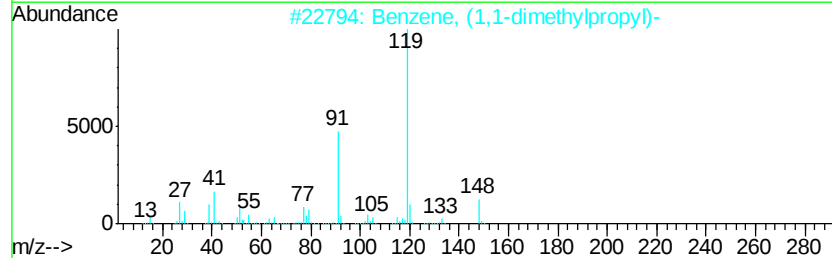
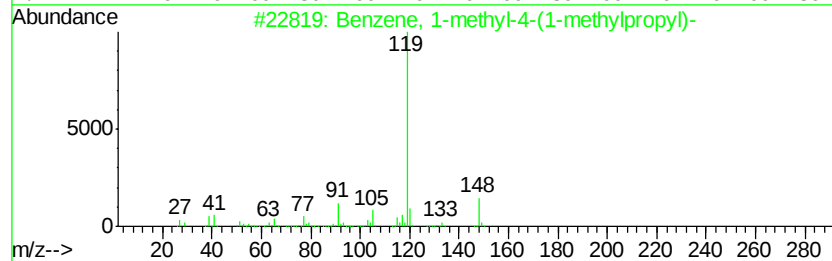
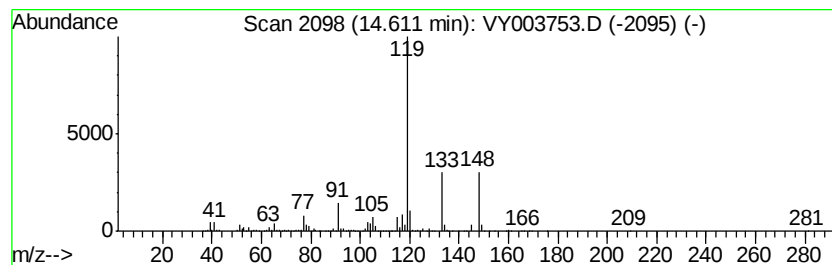
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM121420S.M
Quant Title : VOC Analysis

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

Peak Number 34 Benzene, 1-methyl-4-(1-meth... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.61	37.26 ug/L	614343	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	93
2		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	72
3		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	59
4		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	58
5		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003753.D
Acq On : 14 Dec 2020 17:17
Operator : SY/MD
Sample : L5063-04RE
Misc : 4.36G/10ML/MSVOA Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD6RE

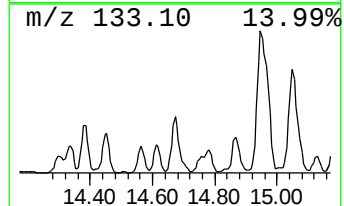
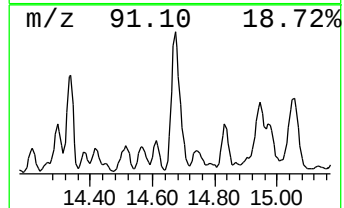
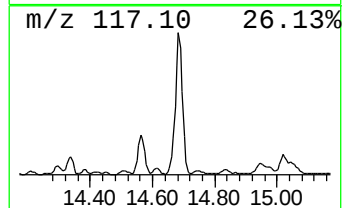
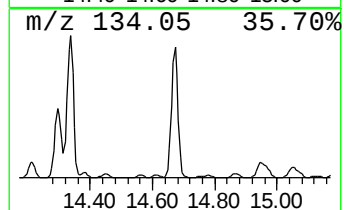
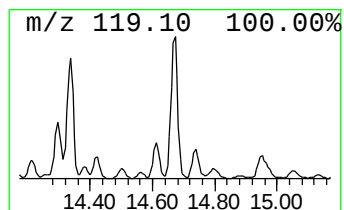
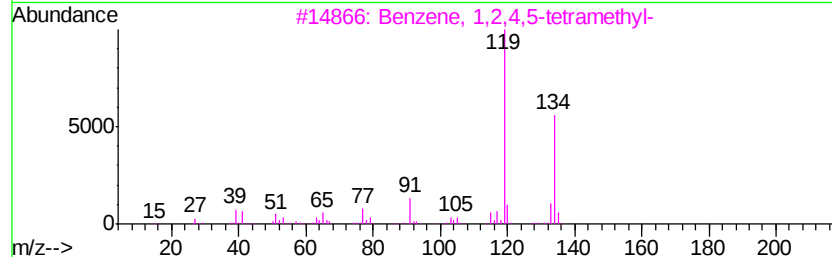
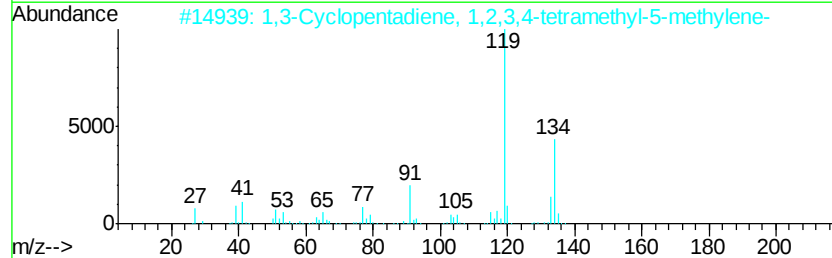
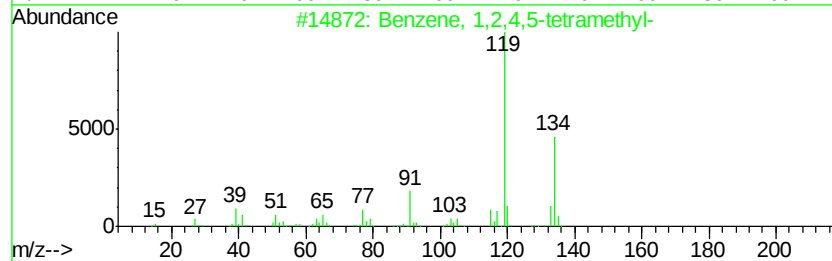
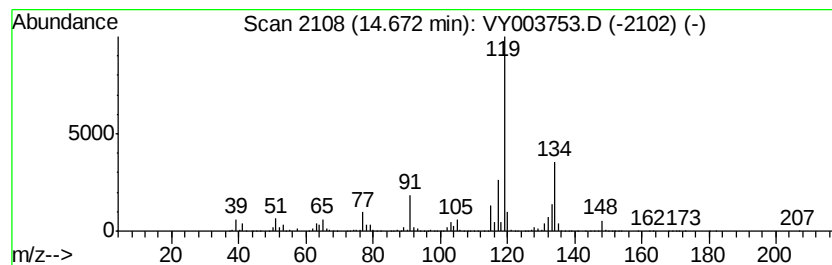
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Quant Title : VOC Analysis

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

Peak Number 35 1,3-Cyclopentadiene, 1,2,3,... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.67	272.38 ug/L	4490760	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	93
2		1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	81
3		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	81
4		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	81
5		o-Cymene	134	C10H14	000527-84-4	76



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003753.D
Acq On : 14 Dec 2020 17:17
Operator : SY/MD
Sample : L5063-04RE
Misc : 4.36G/10ML/MSVOA Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD6RE

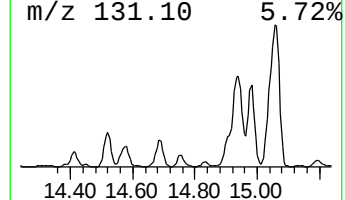
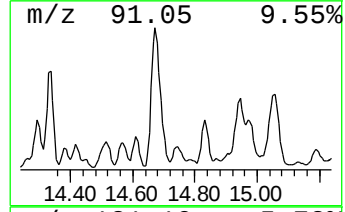
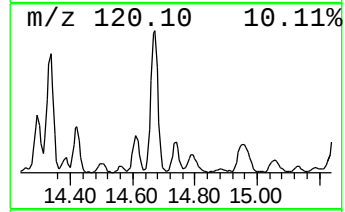
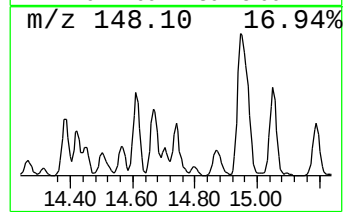
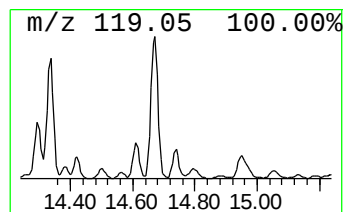
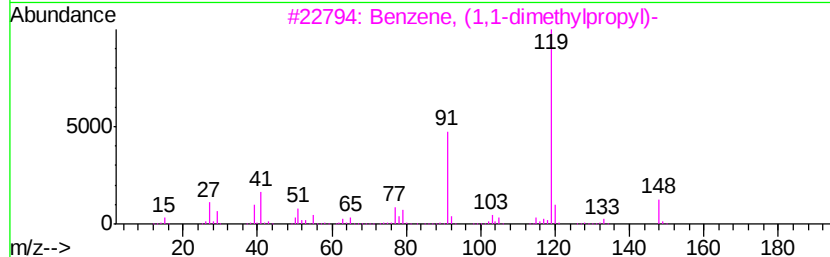
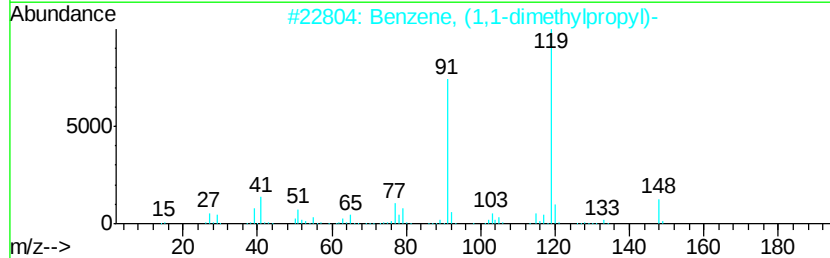
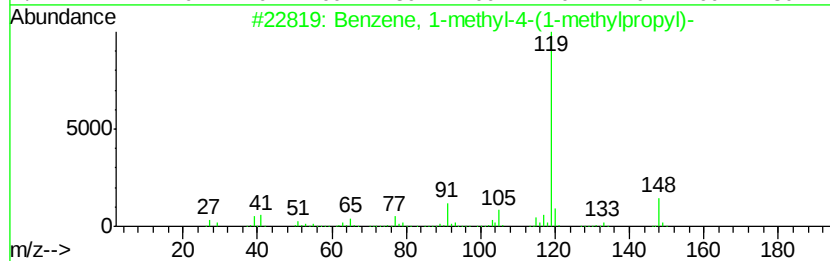
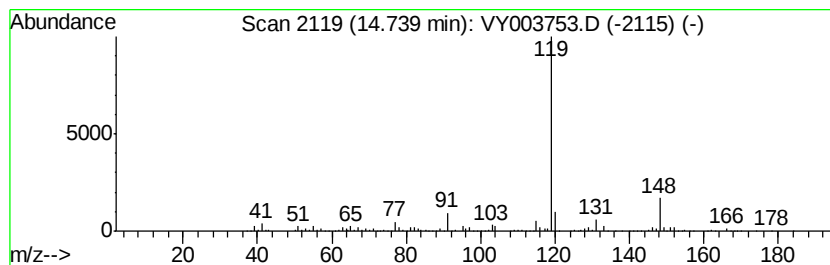
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Quant Title : VOC Analysis

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

Peak Number 36 Benzene, (1,1-dimethylpropyl)- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.74	27.15 ug/L	447583	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		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	72
3		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	72
4		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	59
5		m-Toluic acid, 3,5-difluoropheny...	248	C14H10F2O2	1000293-76-6	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003753.D
Acq On : 14 Dec 2020 17:17
Operator : SY/MD
Sample : L5063-04RE
Misc : 4.36G/10ML/MSVOA Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD6RE

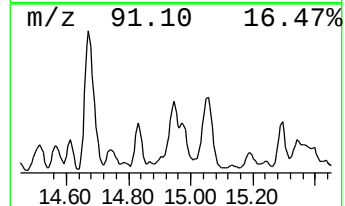
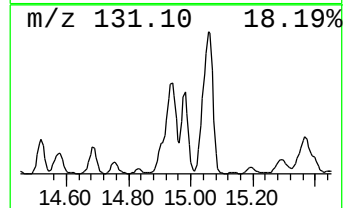
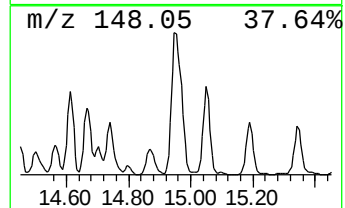
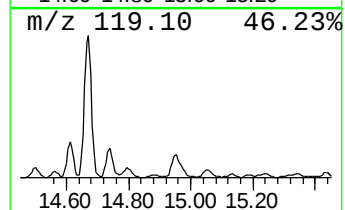
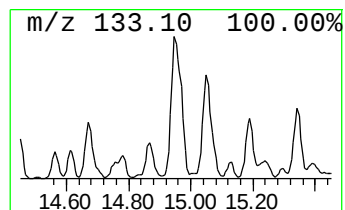
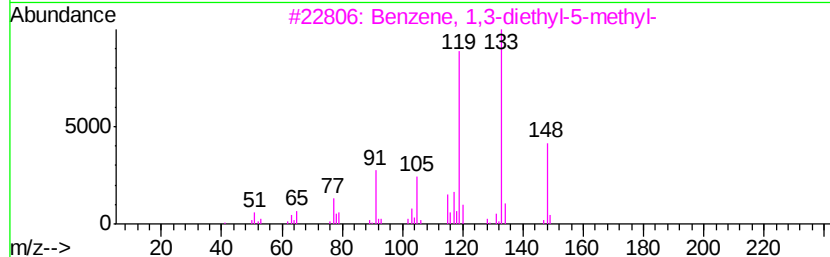
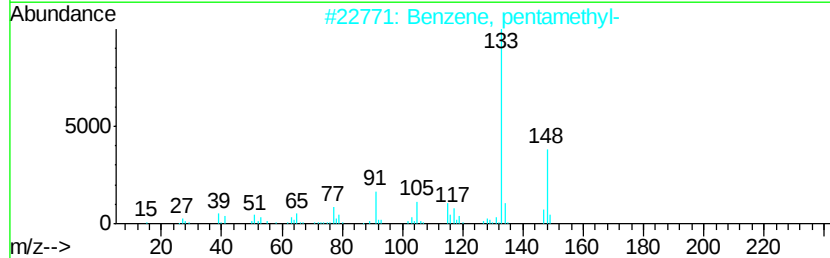
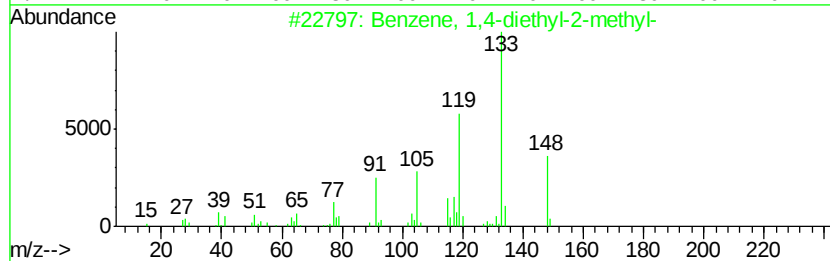
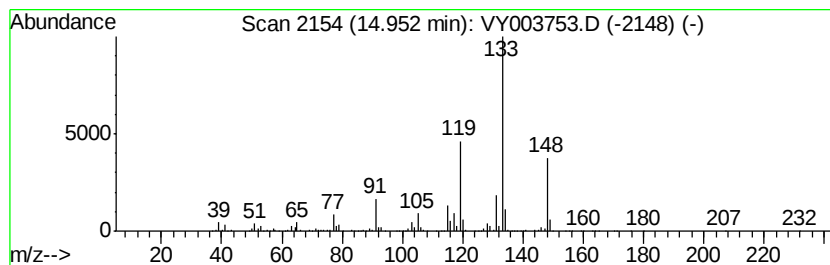
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Quant Title : VOC Analysis

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

Peak Number 38 Benzene, 1,4-diethyl-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.95	108.28 ug/L	1785250	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	68
2		Benzene, pentamethyl-	148	C11H16	000700-12-9	60
3		Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	55
4		Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	52
5		Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	52



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003753.D
Acq On : 14 Dec 2020 17:17
Operator : SY/MD
Sample : L5063-04RE
Misc : 4.36G/10ML/MSVOA Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD6RE

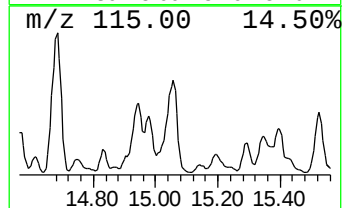
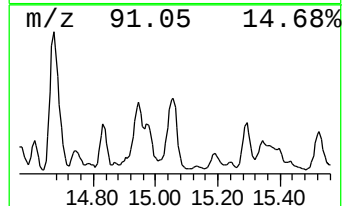
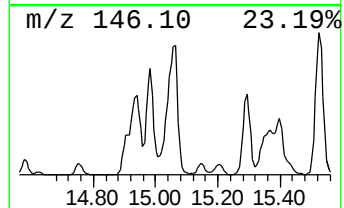
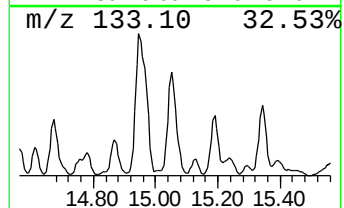
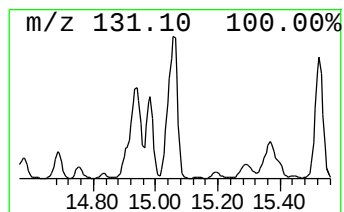
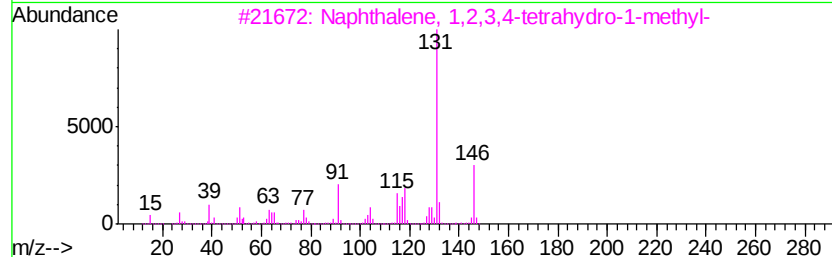
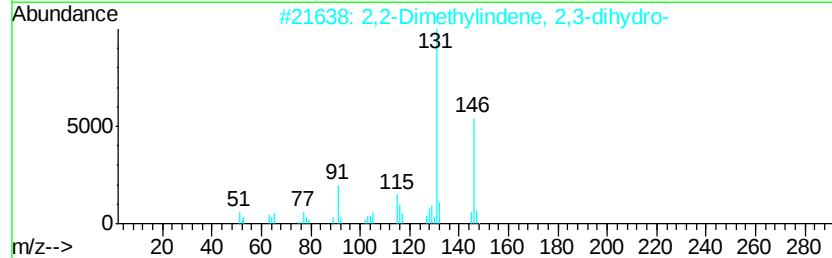
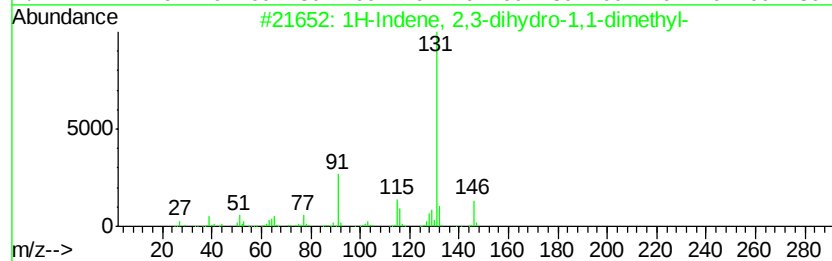
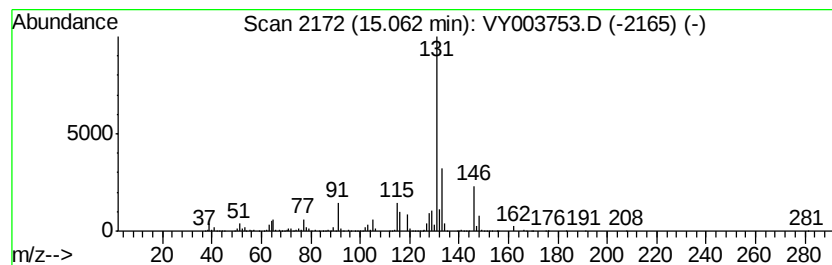
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Quant Title : VOC Analysis

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.06	174.24 ug/L	2872640	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	64
2		2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	64
3		Naphthalene, 1,2,3,4-tetrahydro-	146	C11H14	001559-81-5	64
4		1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	64
5		1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003753.D
Acq On : 14 Dec 2020 17:17
Operator : SY/MD
Sample : L5063-04RE
Misc : 4.36G/10ML/MSVOA Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

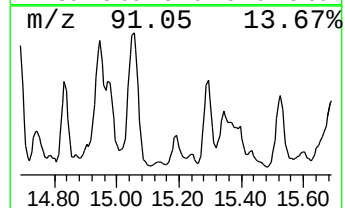
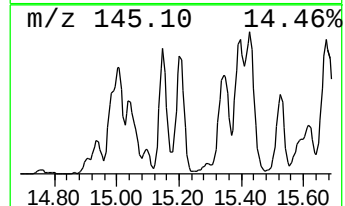
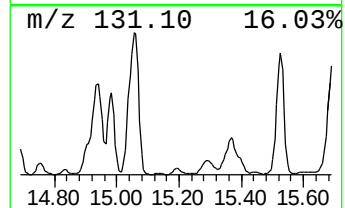
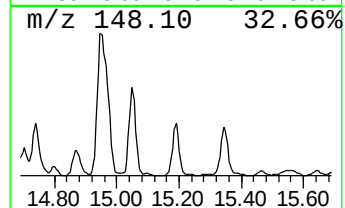
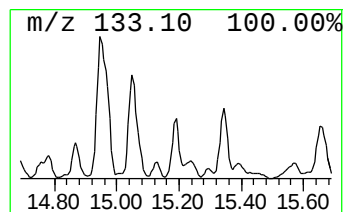
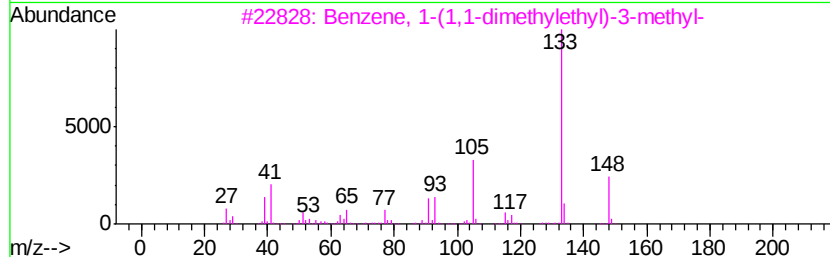
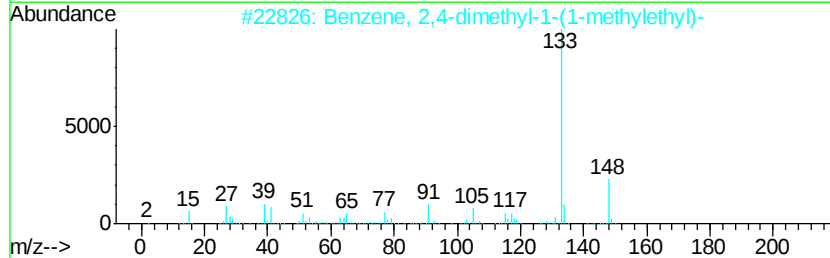
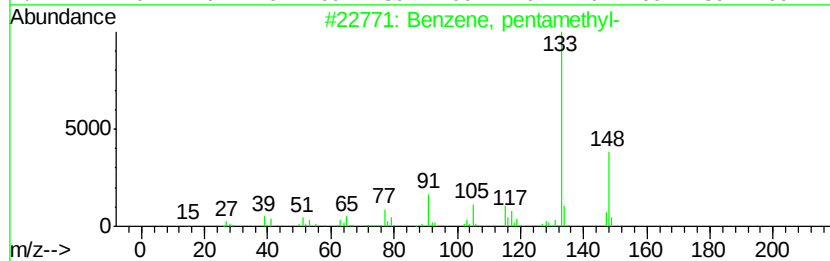
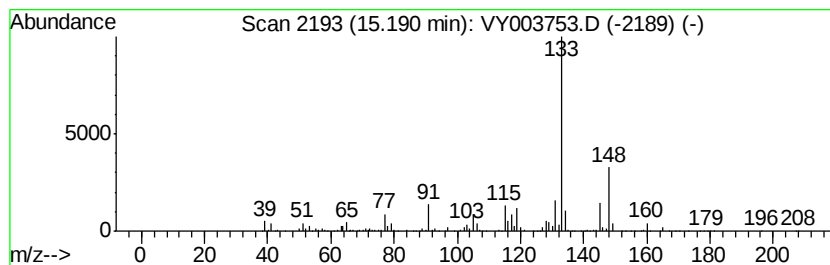
Instrument :
MSVOA_Y
ClientSampleId :
C0AD6RE

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 40 Benzene, pentamethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	32.37 ug/L	533634	1,4-Dichlorobenzene-d4	13.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, pentamethyl-	148 C11H16	000700-12-9 76
2		Benzene, 2,4-dimethyl-1-(1-methyl-...)	148 C11H16	004706-89-2 76
3		Benzene, 1-(1,1-dimethylethyl)-3-...	148 C11H16	001075-38-3 70
4		Benzene, 1,3-dimethyl-5-(1-methyl-...)	148 C11H16	004706-90-5 68
5		Benzene, 1,3-dimethyl-5-(1-methyl-...)	148 C11H16	004706-90-5 68



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003753.D
Acq On : 14 Dec 2020 17:17
Operator : SY/MD
Sample : L5063-04RE
Misc : 4.36G/10ML/MSVOA Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

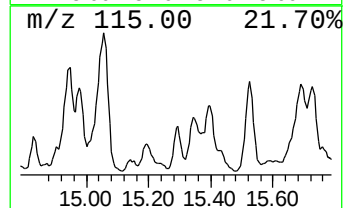
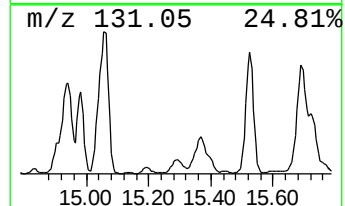
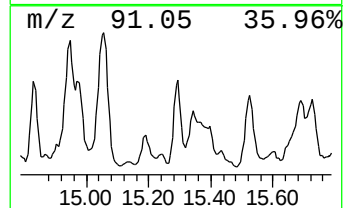
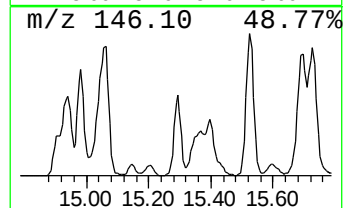
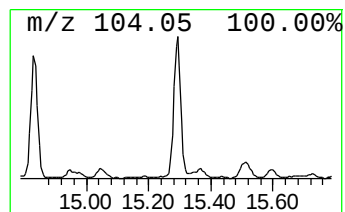
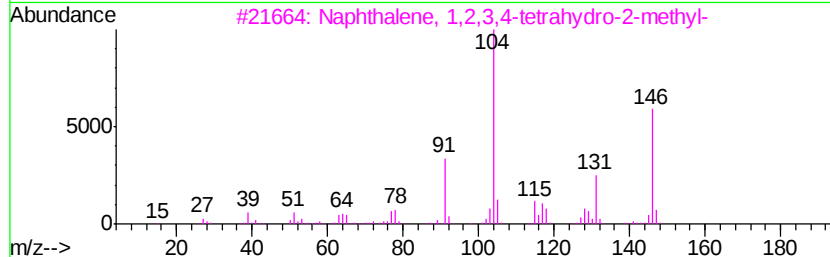
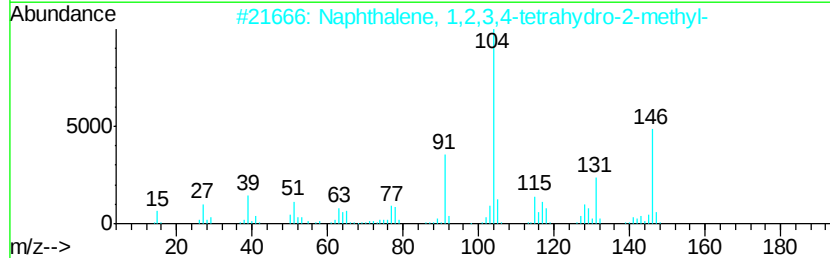
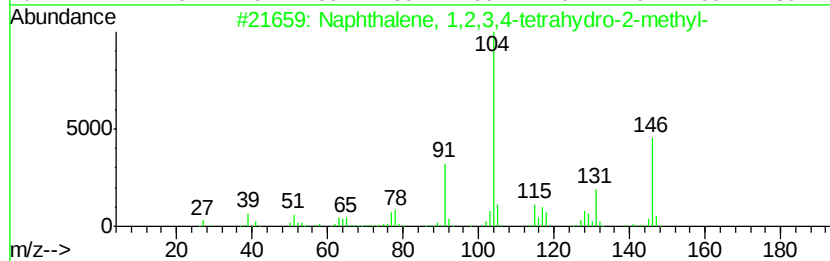
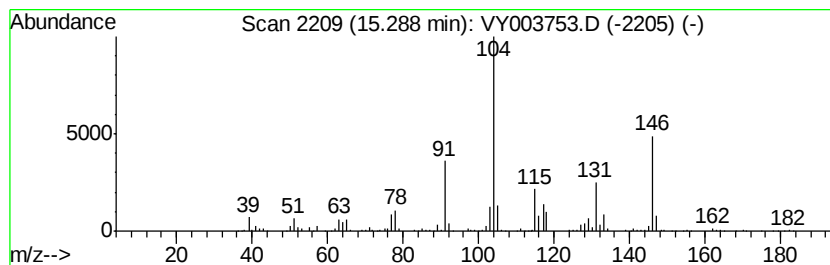
Instrument :
MSVOA_Y
ClientSampleId :
C0AD6RE

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, 1,2,3,4-tetra... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.29	42.21 ug/L	695868	1,4-Dichlorobenzene-d4	13.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146 C11H14	003877-19-8	94
2	Naphthalene, 1,2,3,4-tetrahydro-...	146 C11H14	003877-19-8	93
3	Naphthalene, 1,2,3,4-tetrahydro-...	146 C11H14	003877-19-8	90
4	2(1H)-Naphthalenone, 3,4-dihydro-	146 C10H10O	000530-93-8	68
5	2(1H)-Naphthalenone, 3,4-dihydro-	146 C10H10O	000530-93-8	68



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003753.D
Acq On : 14 Dec 2020 17:17
Operator : SY/MD
Sample : L5063-04RE
Misc : 4.36G/10ML/MSVOA Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD6RE

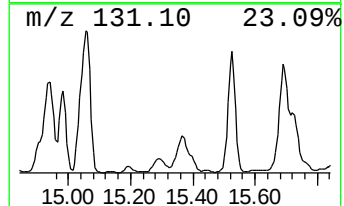
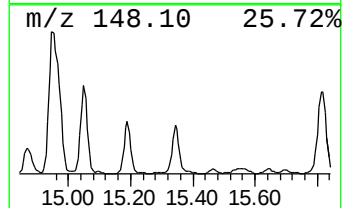
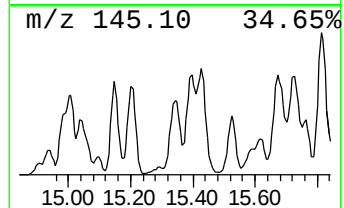
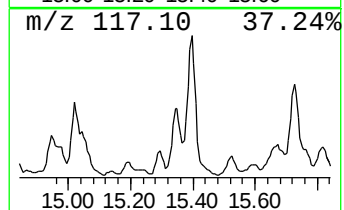
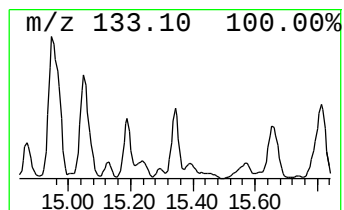
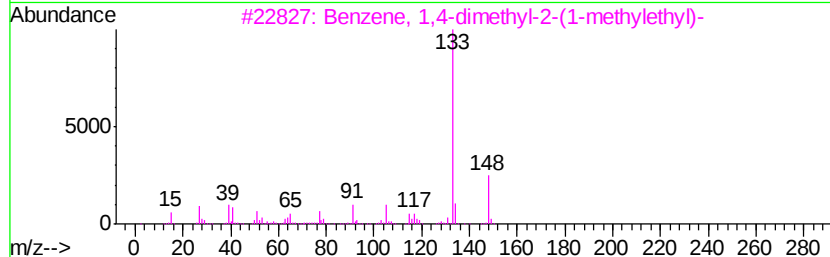
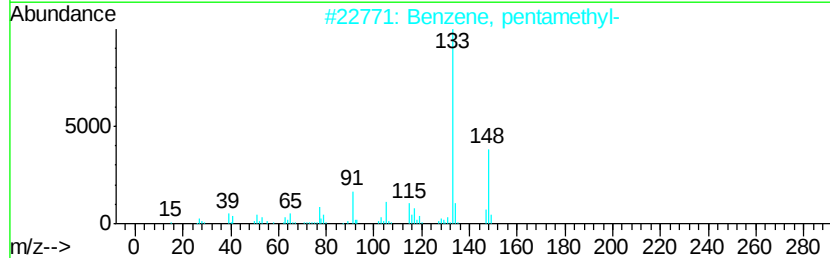
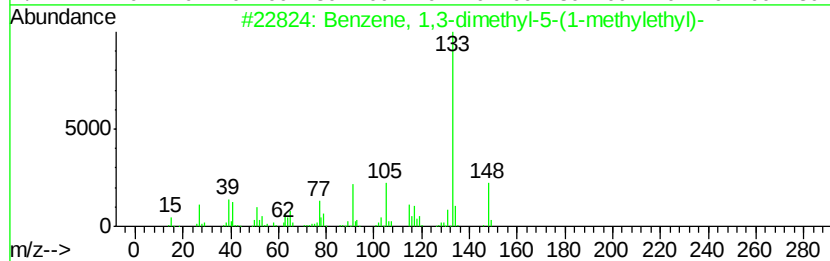
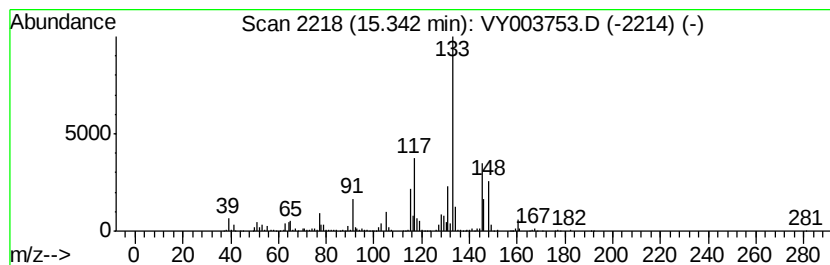
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Quant Title : VOC Analysis

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

Peak Number 42 Benzene, 1,3-dimethyl-5-(1-... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	52.93 ug/L	872693	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	52
2		Benzene, pentamethyl-	148	C11H16	000700-12-9	49
3		Benzene, 1,4-dimethyl-2-(1-methv...	148	C11H16	004132-72-3	49
4		4-tert-Butyltoluene	148	C11H16	000098-51-1	49
5		Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	49



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003753.D
Acq On : 14 Dec 2020 17:17
Operator : SY/MD
Sample : L5063-04RE
Misc : 4.36G/10ML/MSVOA Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD6RE

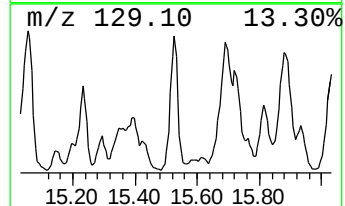
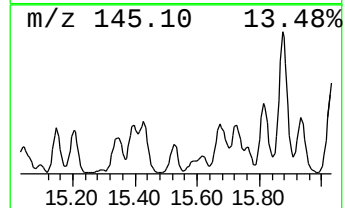
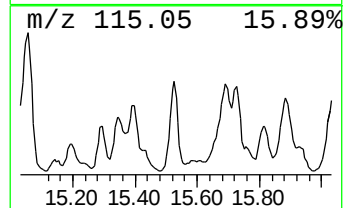
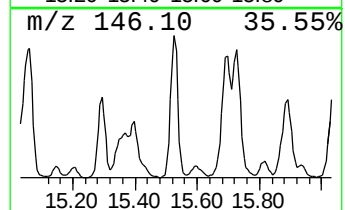
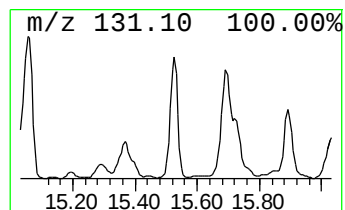
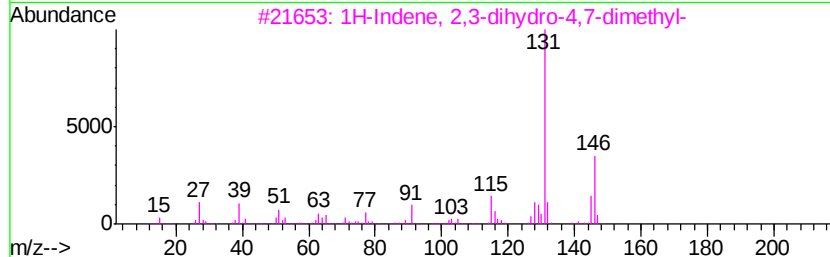
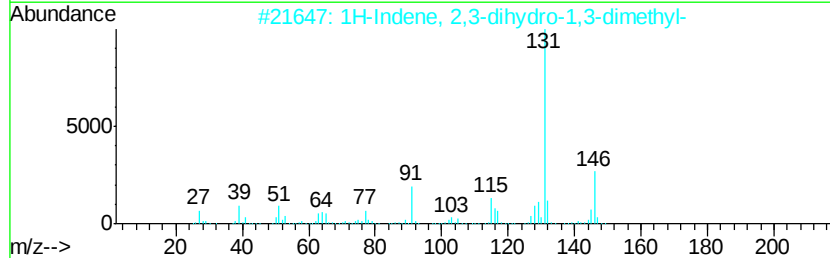
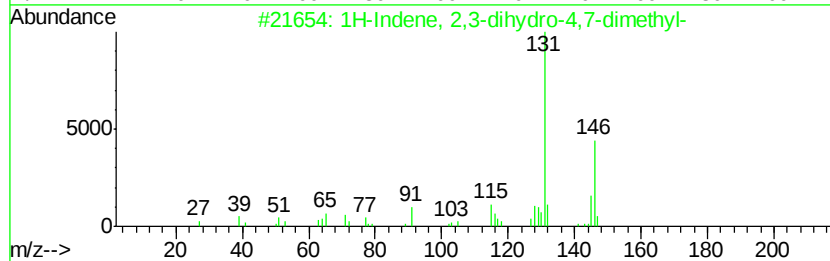
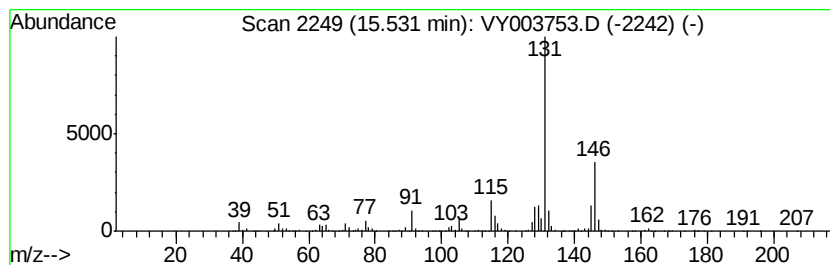
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Quant Title : VOC Analysis

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

Peak Number 43 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.53	106.35 ug/L	1753390	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	96
2		1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	94
3		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
4		1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	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 : VY003753.D
Acq On : 14 Dec 2020 17:17
Operator : SY/MD
Sample : L5063-04RE
Misc : 4.36G/10ML/MSVOA Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD6RE

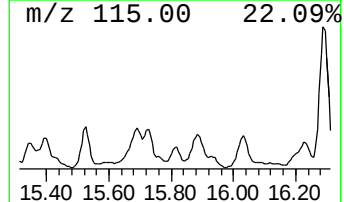
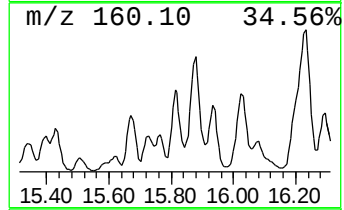
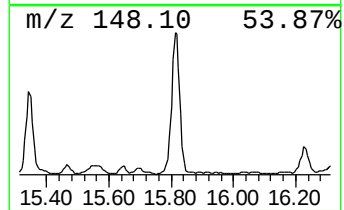
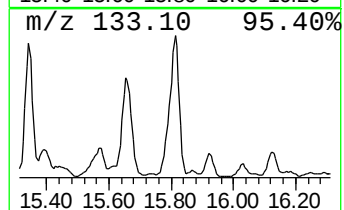
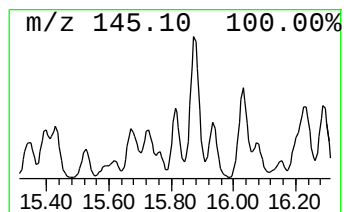
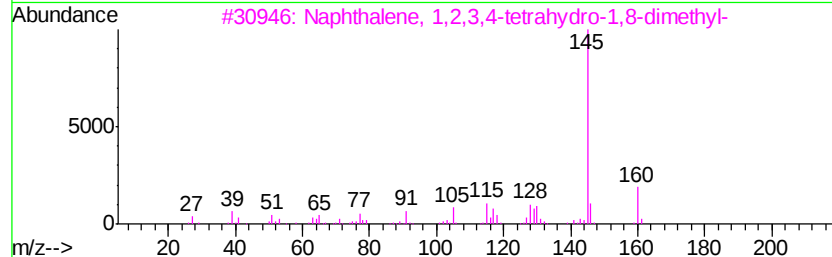
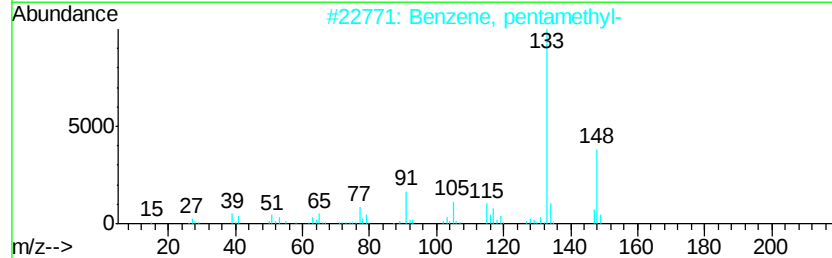
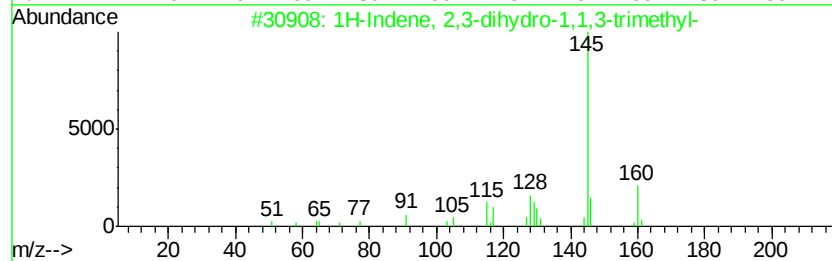
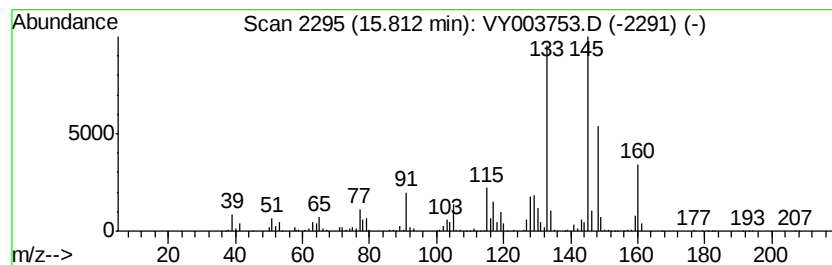
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Quant Title : VOC Analysis

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

Peak Number 44 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.81	54.13 ug/L	892460	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	64
2		Benzene, pentamethyl-	148	C11H16	000700-12-9	50
3		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	50
4		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	50
5		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003753.D
Acq On : 14 Dec 2020 17:17
Operator : SY/MD
Sample : L5063-04RE
Misc : 4.36G/10ML/MSVOA Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD6RE

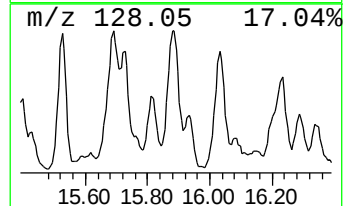
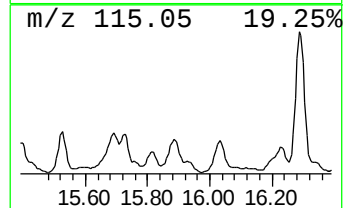
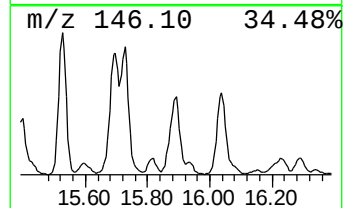
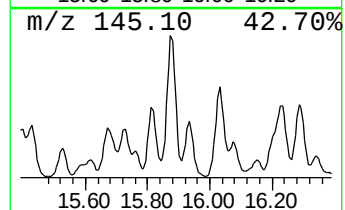
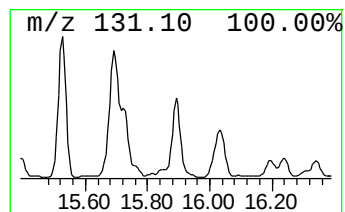
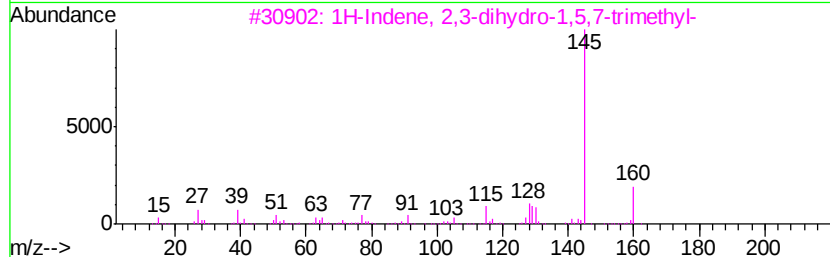
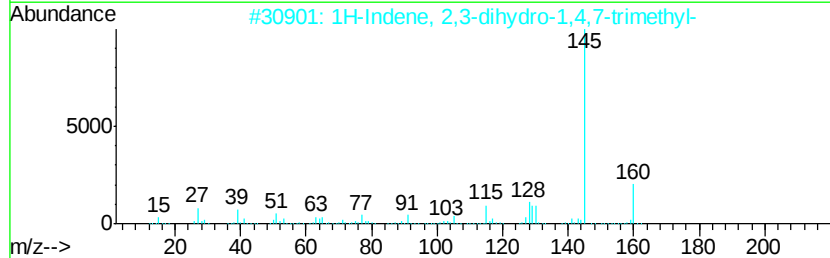
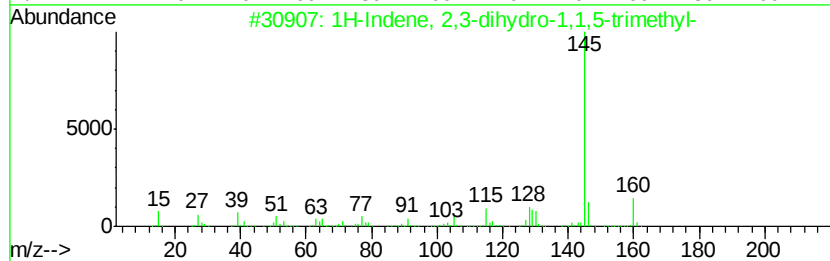
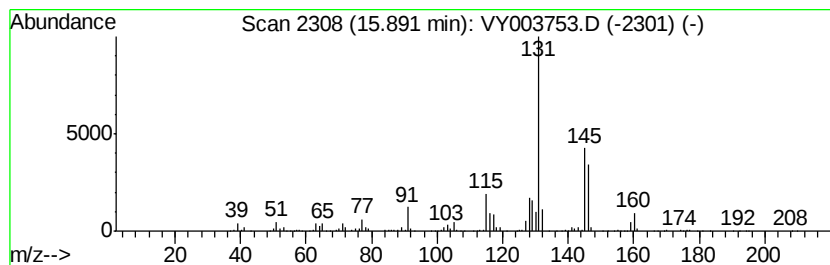
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Quant Title : VOC Analysis

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

Peak Number 45 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.89	86.21 ug/L	1421290	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		1H-Indene, 2,3-dihydro-1,4,7-tri...	160	C12H16	054340-87-3	55
3		1H-Indene, 2,3-dihydro-1,5,7-tri...	160	C12H16	054340-88-4	55
4		Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	53
5		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	49



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003753.D
Acq On : 14 Dec 2020 17:17
Operator : SY/MD
Sample : L5063-04RE
Misc : 4.36G/10ML/MSVOA Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD6RE

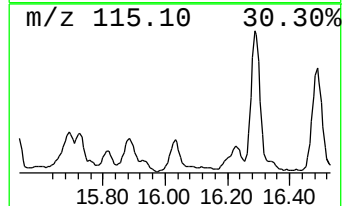
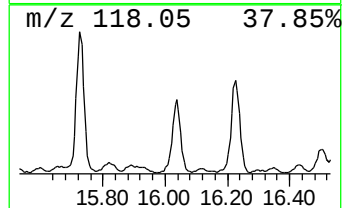
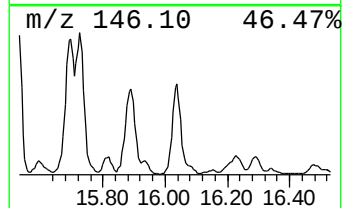
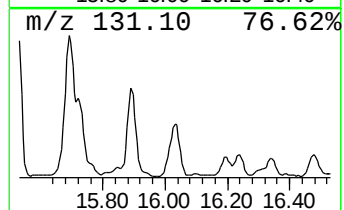
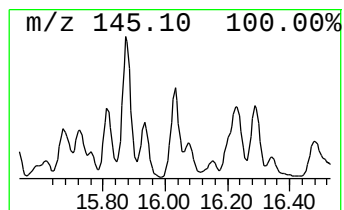
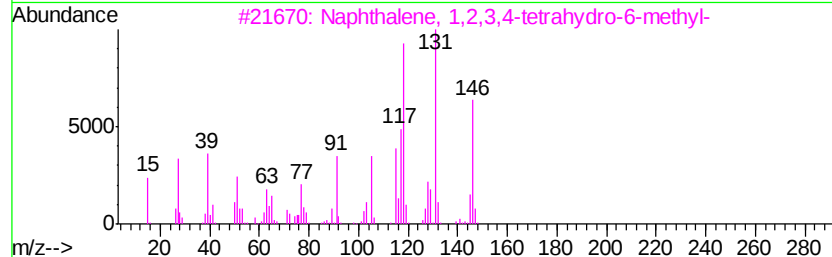
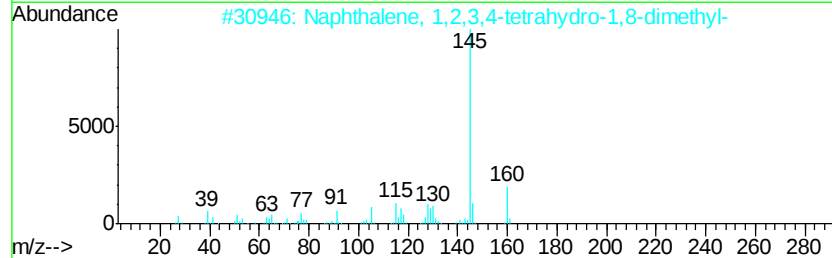
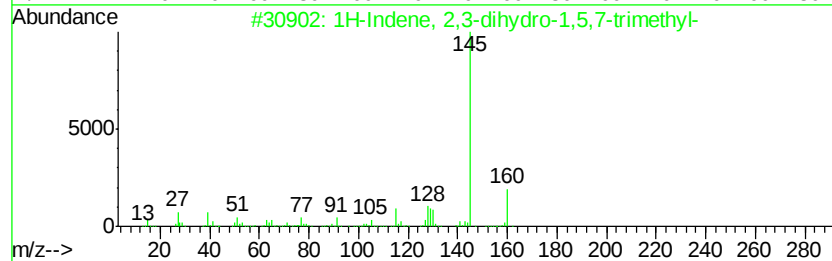
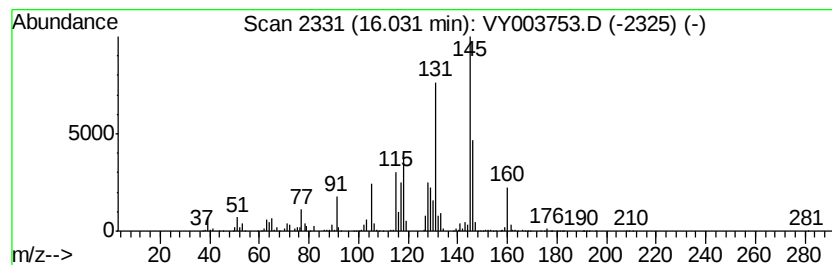
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Quant Title : VOC Analysis

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

Peak Number 46 1H-Indene, 2,3-dihydro-1,5,... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.03	85.74 ug/L	1413670	1,4-Dichlorobenzene-d4	13.42

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-1,5,7-tri...	160	C12H16	054340-88-4	64
2			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	60
3			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	55
4			Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	55
5			Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003753.D
Acq On : 14 Dec 2020 17:17
Operator : SY/MD
Sample : L5063-04RE
Misc : 4.36G/10ML/MSVOA Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD6RE

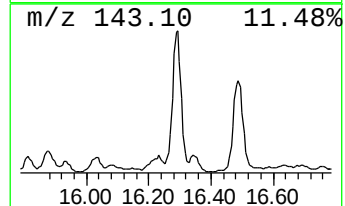
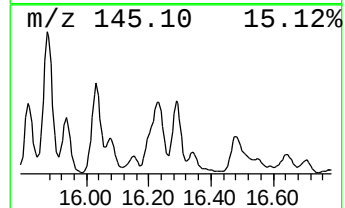
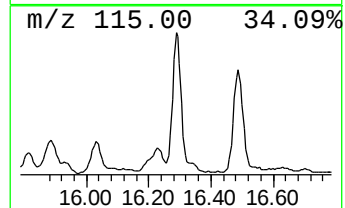
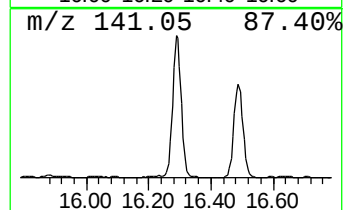
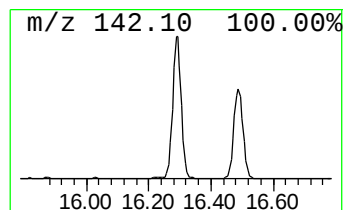
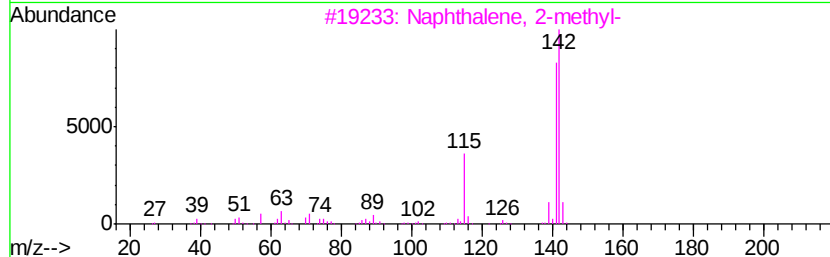
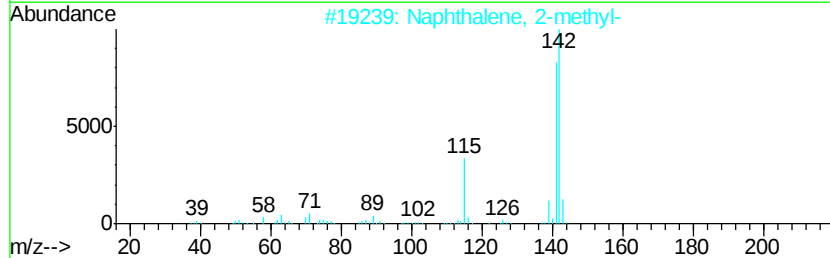
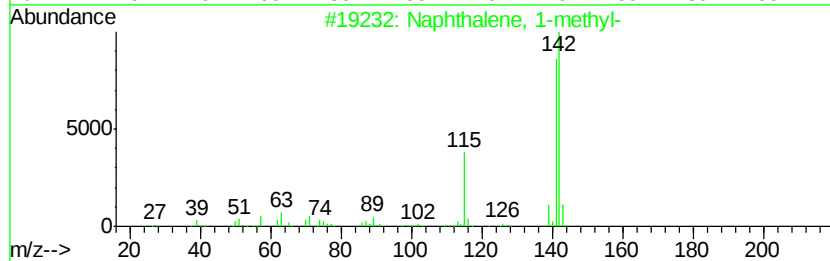
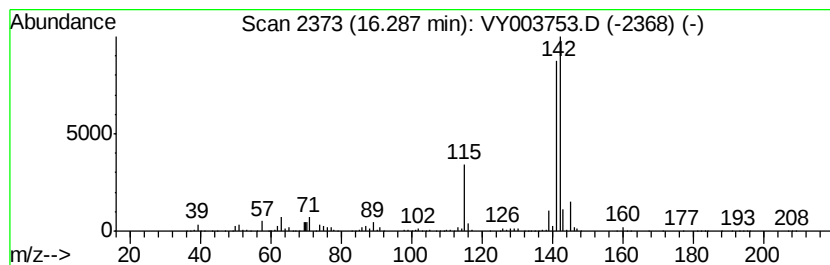
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Quant Title : VOC Analysis

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

Peak Number 47 Naphthalene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.29	172.26 ug/L	2840060	1,4-Dichlorobenzene-d4	13.42

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			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, 2-methyl-	142	C11H10	000091-57-6	93
5			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
Data File : VY003753.D
Acq On : 14 Dec 2020 17:17
Operator : SY/MD
Sample : L5063-04RE
Misc : 4.36G/10ML/MSVOA Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD6RE

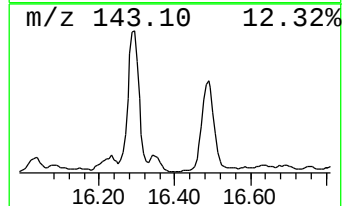
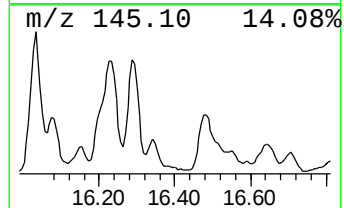
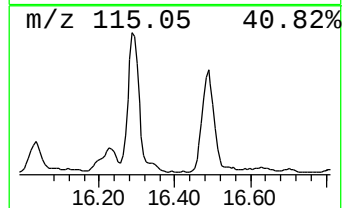
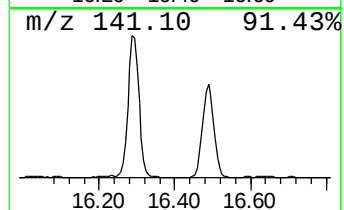
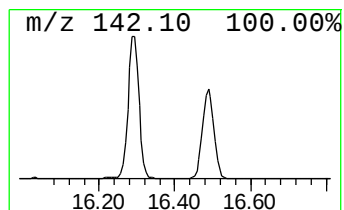
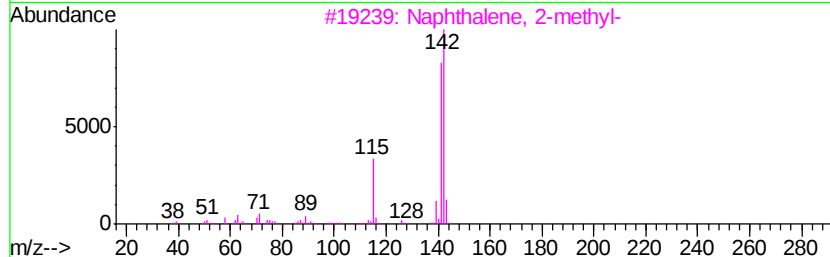
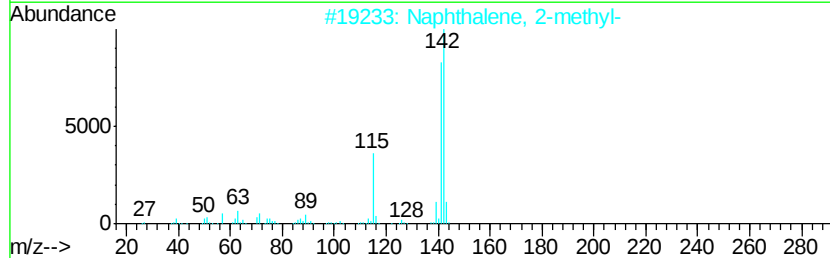
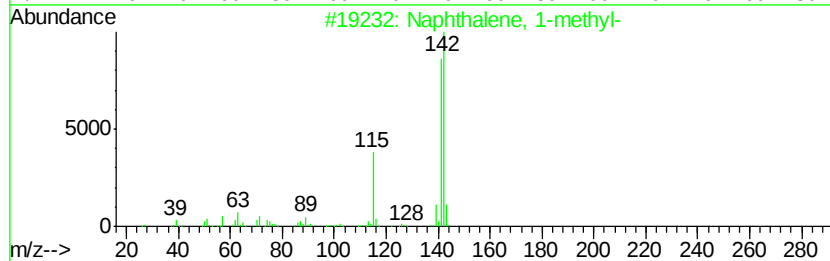
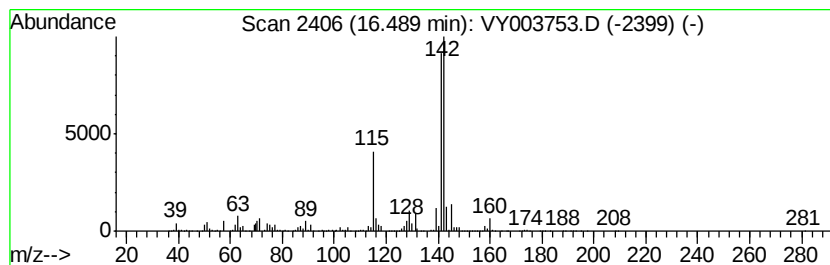
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM121420S.M
Quant Title : VOC Analysis

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

Peak Number 48 1,4-Methanonaphthalene, 1,4... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.49	188.20 ug/L	3102810	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	91
5		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY121420\
 Data File : VY003753.D
 Acq On : 14 Dec 2020 17:17
 Operator : SY/MD
 Sample : L5063-04RE
 Misc : 4.36G/10ML/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 C0AD6RE

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...	11.09	1.7	ug/L	45233	2	11.49	681711	25.0
(DEL) Alkane: Cyc...	11.30	2.3	ug/L	62173	2	11.49	681711	25.0
(DEL) Alkane: Str...	12.64	17.7	ug/L	291772	3	13.42	412176	25.0
Mesitylene	12.81	60.6	ug/L	999014	3	13.42	412176	25.0
Benzene, 1-ethyl-...	12.97	36.7	ug/L	605782	3	13.42	412176	25.0
(DEL) Alkane: Str...	13.57	3.8	ug/L	61757	3	13.42	412176	25.0
Benzene, 1-etheny...	13.62	31.5	ug/L	518689	3	13.42	412176	25.0
Benzene, 2-ethyl-...	13.66	56.8	ug/L	936289	3	13.42	412176	25.0
Benzene, 1-methyl...	13.82	29.9	ug/L	492642	3	13.42	412176	25.0
Benzene, 4-ethyl-...	13.89	47.9	ug/L	788989	3	13.42	412176	25.0
o-Cymene	13.92	43.0	ug/L	708856	3	13.42	412176	25.0
Benzene, 1-ethyl-...	13.97	63.3	ug/L	1043260	3	13.42	412176	25.0
(E)-1-Phenyl-1-bu...	14.08	78.0	ug/L	1285830	3	13.42	412176	25.0
Benzene, 1,2,4,5-...	14.29	53.3	ug/L	878699	3	13.42	412176	25.0
Benzene, 1-ethyl-...	14.34	123.8	ug/L	2041130	3	13.42	412176	25.0
unknown-01	14.42	30.2	ug/L	497275	3	13.42	412176	25.0
Naphthalene, 1,2,...	14.51	26.3	ug/L	434261	3	13.42	412176	25.0
1-Phenyl-1-butene	14.56	43.8	ug/L	721709	3	13.42	412176	25.0
Benzene, 1-methyl...	14.61	37.3	ug/L	614343	3	13.42	412176	25.0
1,3-Cyclopentadie...	14.67	272.4	ug/L	4490760	3	13.42	412176	25.0
Benzene, (1,1-dim...	14.74	27.1	ug/L	447583	3	13.42	412176	25.0
Benzene, 1,4-diet...	14.95	108.3	ug/L	1785250	3	13.42	412176	25.0
1H-Indene, 2,3-di...	15.06	174.2	ug/L	2872640	3	13.42	412176	25.0
Benzene, pentamet...	15.19	32.4	ug/L	533634	3	13.42	412176	25.0
Naphthalene, 1,2,...	15.29	42.2	ug/L	695868	3	13.42	412176	25.0
Benzene, 1,3-dime...	15.34	52.9	ug/L	872693	3	13.42	412176	25.0
1H-Indene, 2,3-di...	15.53	106.3	ug/L	1753390	3	13.42	412176	25.0
1H-Indene, 2,3-di...	15.81	54.1	ug/L	892460	3	13.42	412176	25.0
1H-Indene, 2,3-di...	15.89	86.2	ug/L	1421290	3	13.42	412176	25.0
1H-Indene, 2,3-di...	16.03	85.7	ug/L	1413670	3	13.42	412176	25.0
Naphthalene, 1-me...	16.29	172.3	ug/L	2840060	3	13.42	412176	25.0
1,4-Methanonaphth...	16.49	188.2	ug/L	3102810	3	13.42	412176	25.0