

Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121420\
 Data File : VY003751.D
 Acq On : 14 Dec 2020 16:32
 Operator : SY/MD
 Sample : L5063-01
 Misc : 4.34G/10ML/MSVOA Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 C0AD5

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	35	40	47	rBV6	1696	3662	0.23%	0.017%
2	2.125	47	50	54	rBV3	1071	1497	0.09%	0.007%
3	2.247	63	70	83	rBV	104089	171773	10.76%	0.795%
4	2.772	149	156	169	rBV	72433	144088	9.02%	0.667%
5	3.863	324	335	346	rBV	170904	441756	27.67%	2.045%
6	4.210	383	392	399	rVV3	2524	7286	0.46%	0.034%
7	4.729	468	477	489	rBV2	9024	29274	1.83%	0.136%
8	5.753	639	645	655	rVV6	2150	6561	0.41%	0.030%
9	6.899	822	833	843	rBV	33007	94865	5.94%	0.439%
10	7.003	843	850	861	rVB	6807	22897	1.43%	0.106%
11	7.490	918	930	943	rVB	179621	443392	27.77%	2.052%
12	7.606	946	949	953	rVB3	576	738	0.05%	0.003%
13	7.691	959	963	964	rBV3	1221	1456	0.09%	0.007%
14	7.777	973	977	985	rVB8	1151	3260	0.20%	0.015%
15	7.874	989	993	996	rVV4	755	1214	0.08%	0.006%
16	8.118	1023	1033	1049	rVV2	379994	1104573	69.18%	5.113%
17	8.246	1052	1054	1058	rVV3	680	924	0.06%	0.004%
18	8.325	1062	1067	1069	rVV4	486	813	0.05%	0.004%
19	8.551	1100	1104	1109	rVV6	968	1746	0.11%	0.008%
20	8.697	1119	1128	1138	rVV	331327	647332	40.54%	2.997%
21	8.770	1138	1140	1144	rVV3	638	890	0.06%	0.004%
22	8.929	1159	1166	1174	rBV3	10125	19917	1.25%	0.092%
23	9.124	1189	1198	1208	rBV	238765	488679	30.60%	2.262%
24	9.496	1257	1259	1264	rVB2	539	777	0.05%	0.004%
25	9.618	1275	1279	1282	rVB4	564	887	0.06%	0.004%
26	9.776	1303	1305	1311	rVB3	484	770	0.05%	0.004%
27	9.892	1317	1324	1333	rVV	148495	258673	16.20%	1.197%
28	9.965	1335	1336	1343	rVB3	1079	1287	0.08%	0.006%
29	10.069	1351	1353	1358	rVB6	760	1163	0.07%	0.005%
30	10.179	1364	1371	1378	rBV	508442	867836	54.35%	4.017%
31	10.246	1378	1382	1389	rVB	27774	46090	2.89%	0.213%
32	10.356	1396	1400	1406	rVB7	1256	2502	0.16%	0.012%
33	10.441	1406	1414	1423	rBV	96877	162635	10.19%	0.753%
34	10.520	1423	1427	1430	rVB3	2556	3410	0.21%	0.016%

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35	10.581	1432	1437	1449	rVB	10243	19489	1.22%	0.090%
36	10.721	1455	1460	1464	rVB6	2107	3305	0.21%	0.015%
37	10.788	1464	1471	1480	rBV	137640	220462	13.81%	1.021%
38	10.953	1492	1498	1508	rBV	17759	39291	2.46%	0.182%
39	11.038	1509	1512	1516	rVV	5089	7798	0.49%	0.036%
40	11.087	1516	1520	1526	rVB3	7922	14417	0.90%	0.067%
41	11.148	1526	1530	1534	rBV5	1489	2550	0.16%	0.012%
42	11.197	1534	1538	1544	rVV6	3212	5601	0.35%	0.026%
43	11.252	1544	1547	1548	rVV3	1031	1090	0.07%	0.005%
44	11.307	1549	1556	1564	rVB6	6875	19280	1.21%	0.089%
45	11.380	1564	1568	1572	rBV5	1721	2907	0.18%	0.013%
46	11.490	1579	1586	1595	rBV	437091	695565	43.56%	3.220%
47	11.593	1597	1603	1605	rBV4	6542	11403	0.71%	0.053%
48	11.703	1612	1621	1625	rBV	17113	41252	2.58%	0.191%
49	11.837	1638	1643	1648	rBV5	3385	6851	0.43%	0.032%
50	11.898	1649	1653	1659	rVV4	3078	5382	0.34%	0.025%
51	12.124	1686	1690	1693	rVB3	5938	9189	0.58%	0.043%
52	12.160	1693	1696	1698	rBV4	3634	5280	0.33%	0.024%
53	12.203	1698	1703	1706	rBV3	19478	33242	2.08%	0.154%
54	12.331	1719	1724	1729	rVB4	13470	24463	1.53%	0.113%
55	12.489	1744	1750	1754	rBV2	15056	26415	1.65%	0.122%
56	12.562	1754	1762	1769	rBV	165542	280709	17.58%	1.299%
57	12.642	1770	1775	1783	rVB3	49540	91048	5.70%	0.421%
58	12.733	1783	1790	1793	rBV2	42497	74467	4.66%	0.345%
59	12.812	1798	1803	1816	rVB	124193	234575	14.69%	1.086%
60	12.971	1822	1829	1837	rBV	85586	152360	9.54%	0.705%
61	13.038	1837	1840	1848	rVB9	18248	37971	2.38%	0.176%
62	13.117	1848	1853	1859	rBV	163546	255649	16.01%	1.183%
63	13.251	1871	1875	1879	rVB2	32652	43367	2.72%	0.201%
64	13.312	1880	1885	1890	rBV	62915	101207	6.34%	0.468%
65	13.367	1891	1894	1898	rVB	29875	39410	2.47%	0.182%
66	13.422	1898	1903	1907	rBV	310788	519504	32.54%	2.405%
67	13.568	1924	1927	1928	rBV2	17976	21068	1.32%	0.098%
68	13.623	1932	1936	1939	rVV2	167003	248160	15.54%	1.149%
69	13.660	1939	1942	1947	rVV2	233053	340275	21.31%	1.575%
70	13.721	1947	1952	1962	rVB	301691	657692	41.19%	3.044%
71	13.824	1964	1969	1973	rBV	89844	131559	8.24%	0.609%

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Integration Parameters: LSCINT.P

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72	13.885	1974	1979	1981	rBV	155752	234059	14.66%	1.083%
73	13.916	1981	1984	1988	rVB	145049	201685	12.63%	0.934%
74	13.971	1988	1993	1998	rVB	252901	366968	22.98%	1.699%
75	14.032	1999	2003	2006	rBV	45132	67828	4.25%	0.314%
76	14.081	2006	2011	2016	rVB	283965	430208	26.94%	1.991%
77	14.129	2016	2019	2027	rVB4	68029	146845	9.20%	0.680%
78	14.215	2028	2033	2036	rBV2	116502	180688	11.32%	0.836%
79	14.257	2036	2040	2042	rBV3	68702	97323	6.10%	0.451%
80	14.294	2042	2046	2049	rVV	208715	297109	18.61%	1.375%
81	14.330	2049	2052	2057	rVB	360373	513345	32.15%	2.376%
82	14.379	2057	2060	2063	rBV	136238	179773	11.26%	0.832%
83	14.416	2063	2066	2071	rVB2	152678	197941	12.40%	0.916%
84	14.519	2078	2083	2086	rVB2	99252	151336	9.48%	0.701%
85	14.562	2086	2090	2095	rBV2	154451	268970	16.84%	1.245%
86	14.611	2095	2098	2103	rVB	178862	245541	15.38%	1.137%
87	14.672	2103	2108	2115	rBV2	770479	1596737	100.00%	7.391%
88	14.739	2115	2119	2124	rBV3	104513	174882	10.95%	0.810%
89	14.836	2131	2135	2137	rBV2	57192	83225	5.21%	0.385%
90	14.946	2148	2153	2156	rBV3	386583	705972	44.21%	3.268%
91	15.056	2165	2171	2178	rVB2	526826	1122355	70.29%	5.195%
92	15.196	2190	2194	2198	rBV4	119463	272732	17.08%	1.262%
93	15.294	2206	2210	2213	rBV	128902	188336	11.80%	0.872%
94	15.342	2214	2218	2223	rBV4	194066	378170	23.68%	1.751%
95	15.525	2242	2248	2255	rBV	343243	704399	44.11%	3.261%
96	15.812	2291	2295	2300	rVB	253202	417834	26.17%	1.934%
97	15.885	2301	2307	2312	rBV3	278429	651731	40.82%	3.017%
98	16.031	2325	2331	2336	rBV2	296990	596803	37.38%	2.763%
99	16.294	2369	2374	2379	rVB	324119	536737	33.61%	2.485%
100	16.483	2399	2405	2419	rBV2	464843	1184306	74.17%	5.482%

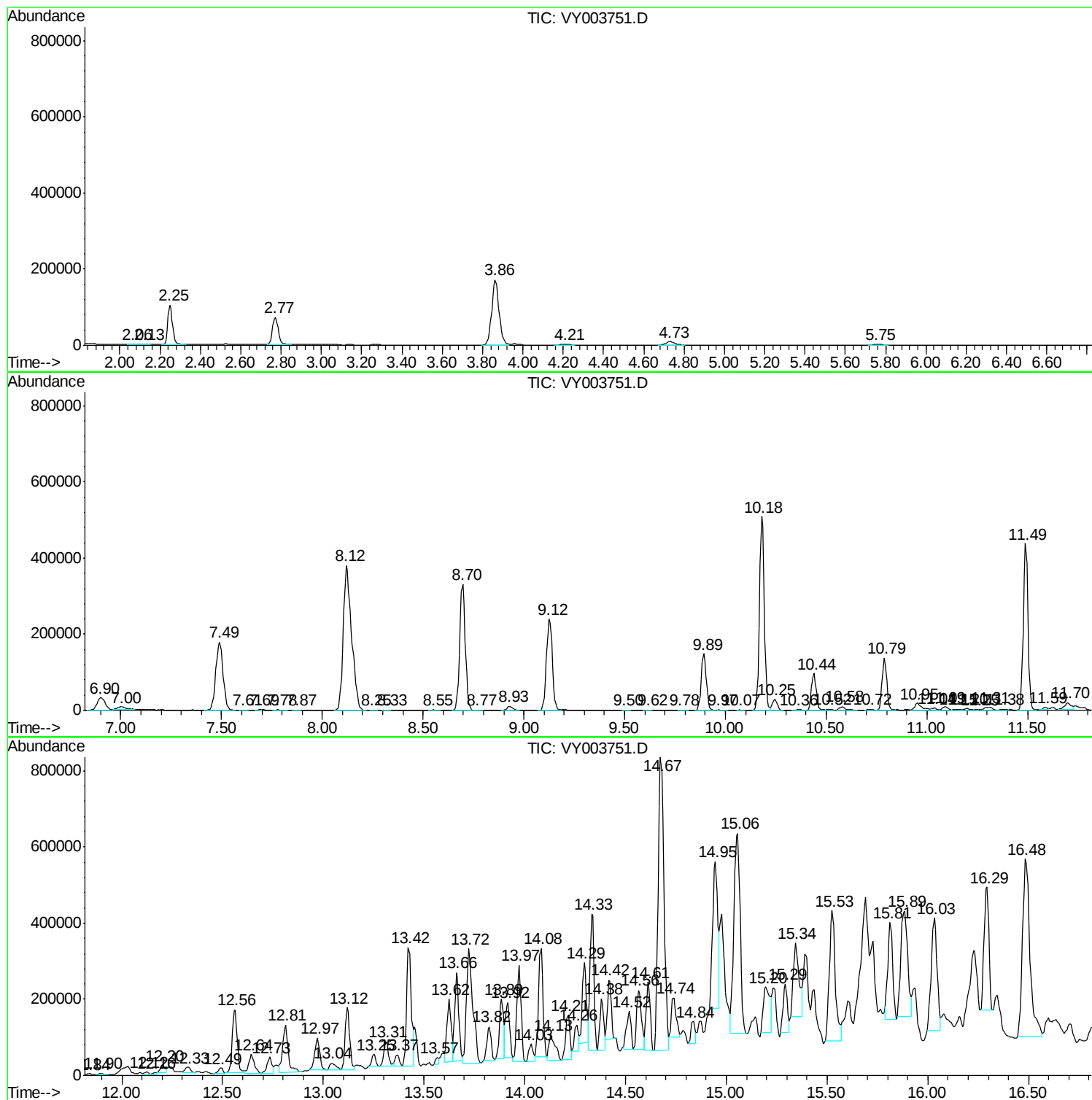
Sum of corrected areas: 21602714

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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



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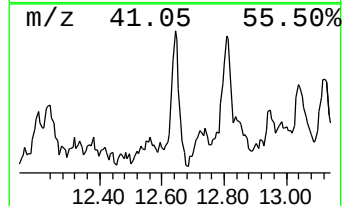
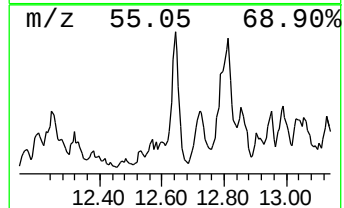
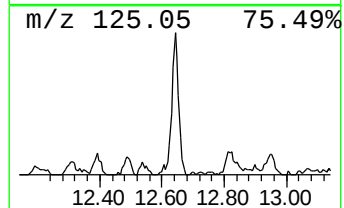
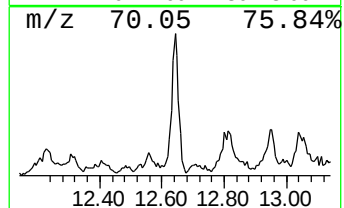
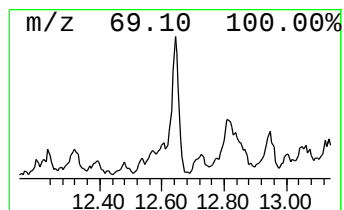
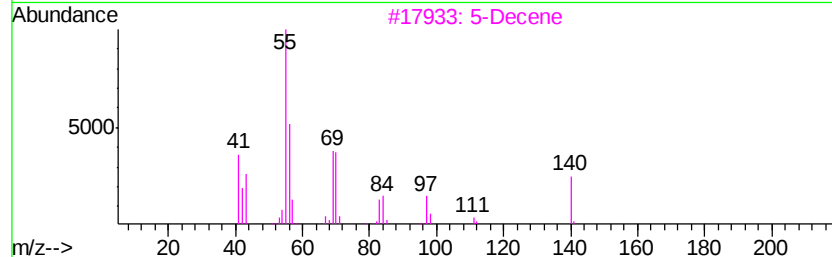
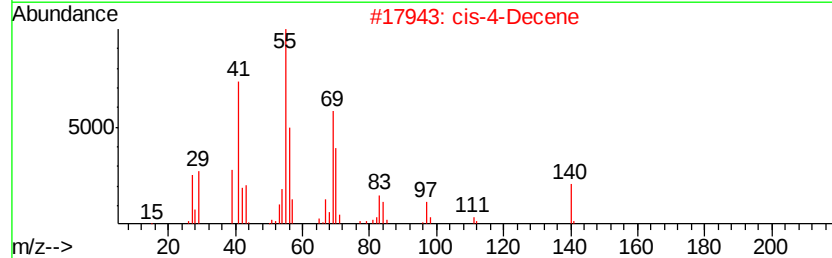
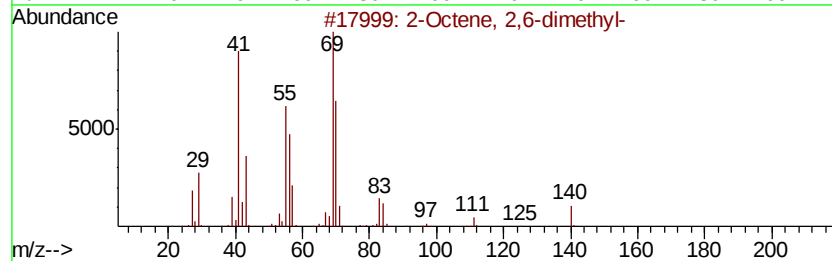
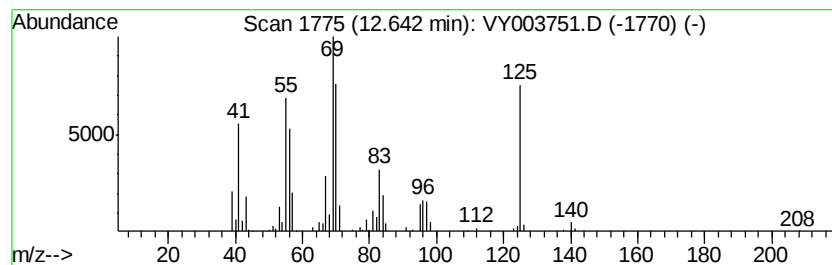
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM121420S.M
Quant Title : VOC Analysis

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

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.64	4.38 ug/L	91048	1,4-Dichlorobenzene-d4	13.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	53
2		cis-4-Decene	140	C10H20	019398-88-0	50
3		5-Decene	140	C10H20	019689-19-1	47
4		2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	47
5		2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	47



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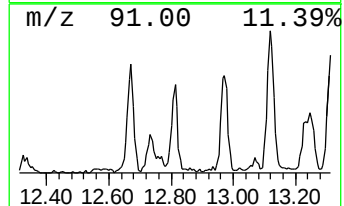
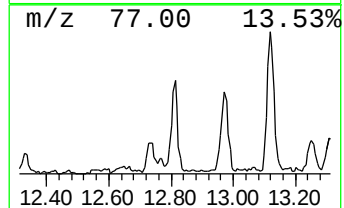
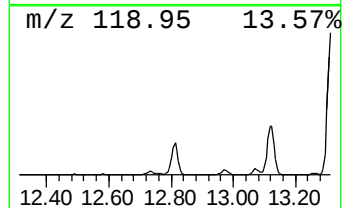
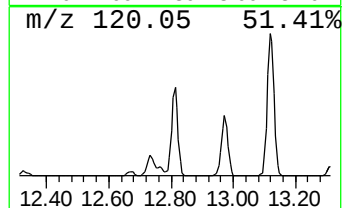
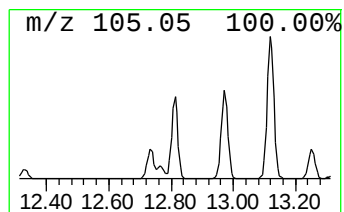
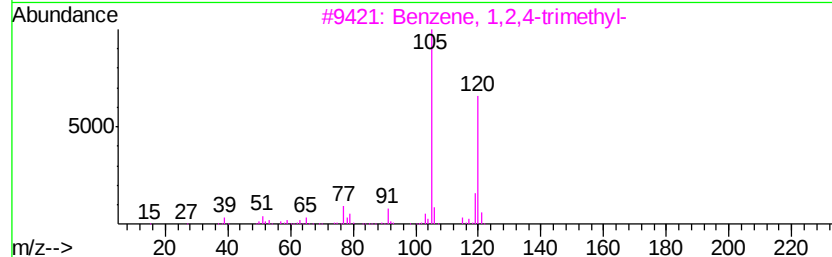
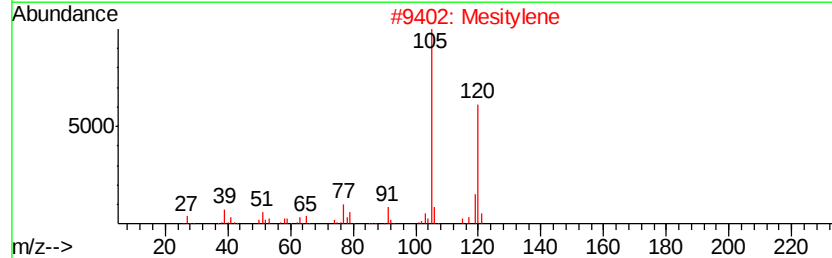
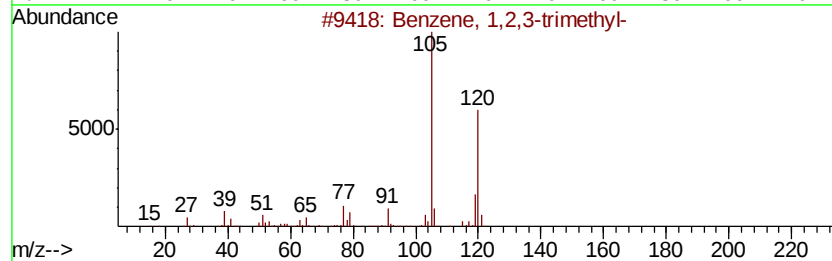
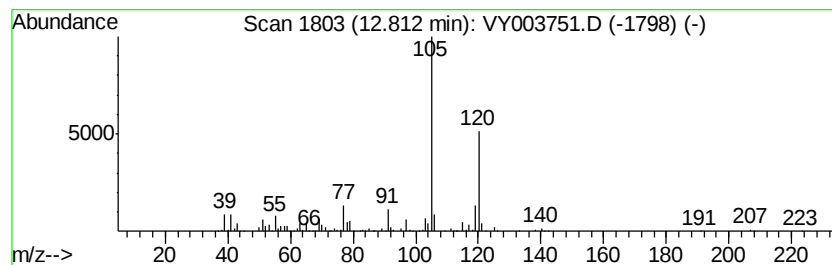
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Benzene, 1,2,3-trimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.81	11.29 ug/L	234575	1,4-Dichlorobenzene-d4	13.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2		Mesitylene	120	C9H12	000108-67-8	97
3		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
4		Mesitylene	120	C9H12	000108-67-8	95
5		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	93



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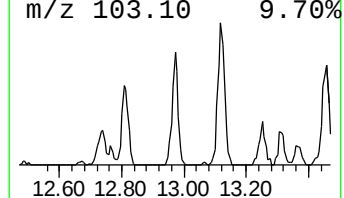
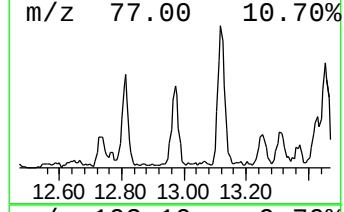
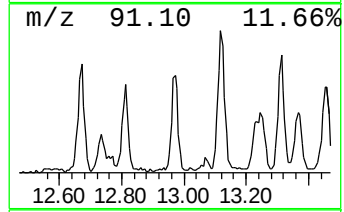
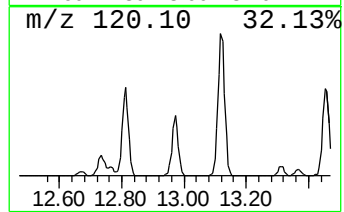
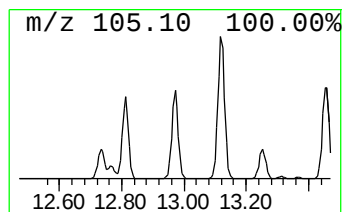
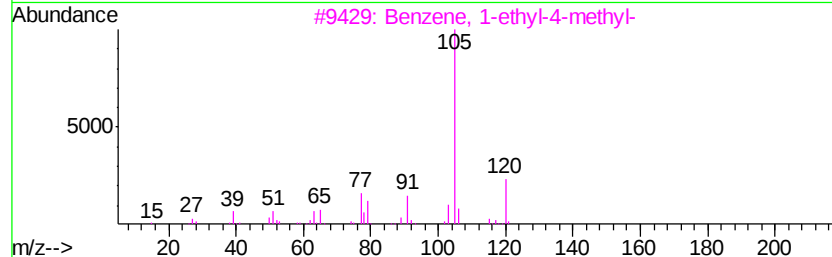
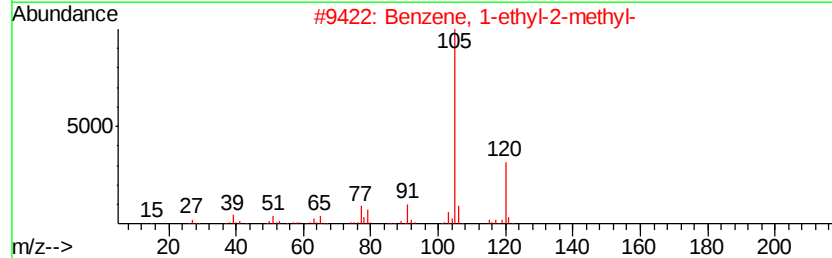
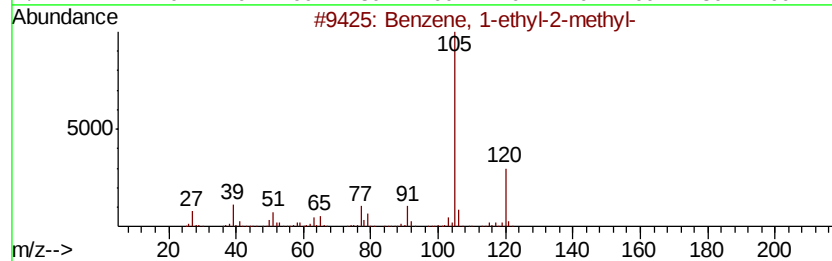
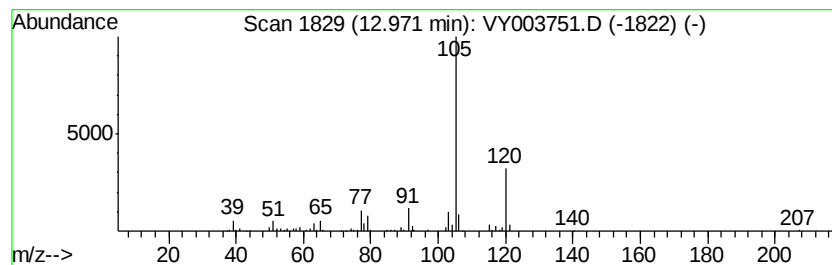
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Benzene, 1-ethyl-4-methyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.97	7.33 ug/L	152360	1,4-Dichlorobenzene-d4	13.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94
4		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
5		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121420\
Data File : VY003751.D
Acq On : 14 Dec 2020 16:32
Operator : SY/MD
Sample : L5063-01
Misc : 4.34G/10ML/MSVOA Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD5

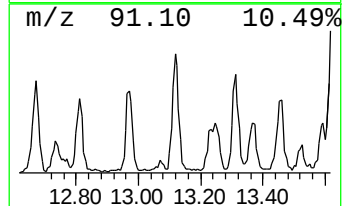
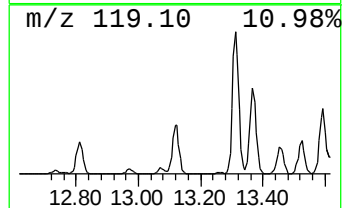
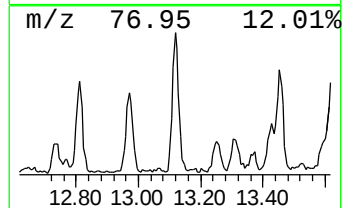
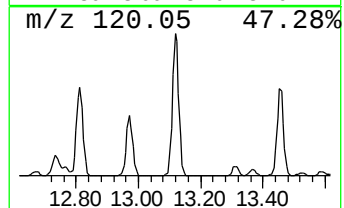
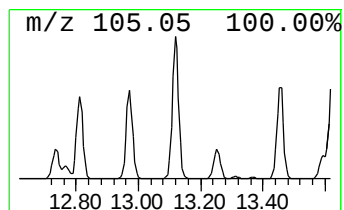
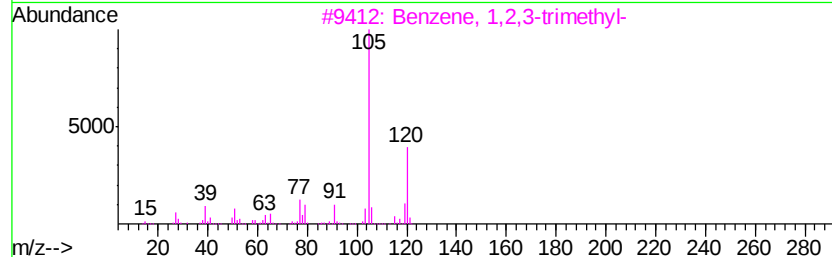
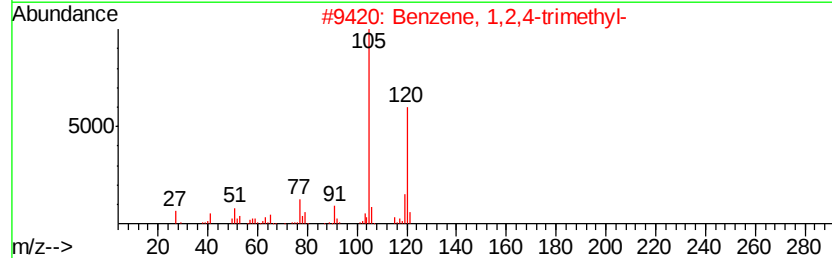
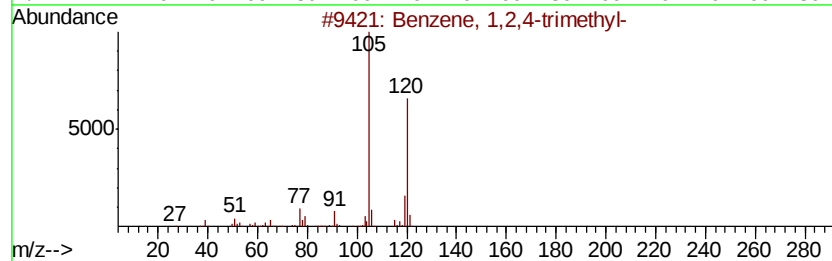
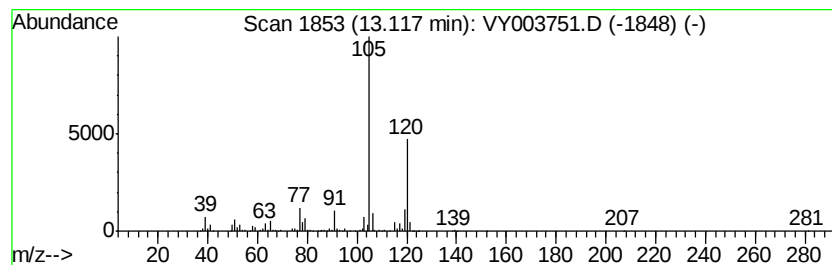
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Quant Title : VOC Analysis

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

Peak Number 9 Benzene, 1,2,4-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	12.30 ug/L	255649	1,4-Dichlorobenzene-d4	13.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
2		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
3		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
4		Mesitylene	120	C9H12	000108-67-8	94
5		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121420\
Data File : VY003751.D
Acq On : 14 Dec 2020 16:32
Operator : SY/MD
Sample : L5063-01
Misc : 4.34G/10ML/MSVOA Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

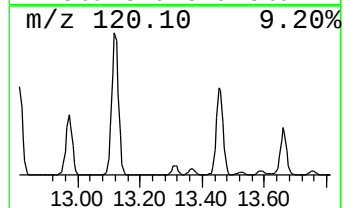
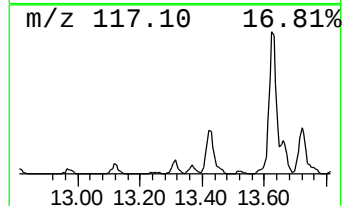
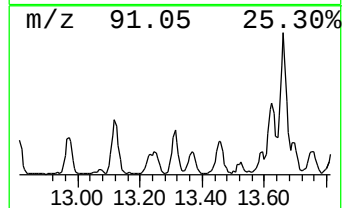
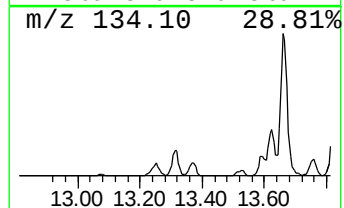
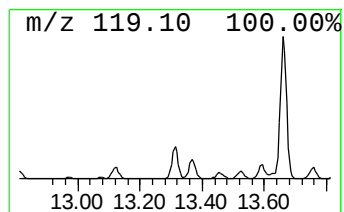
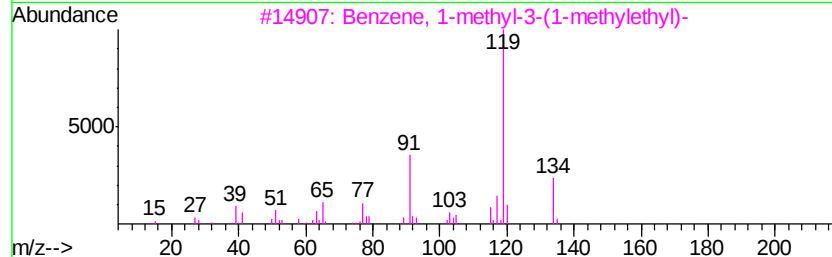
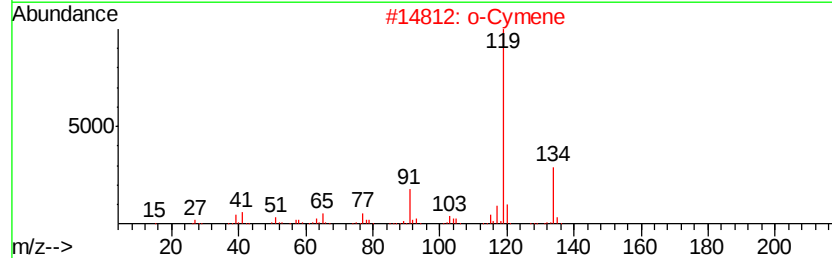
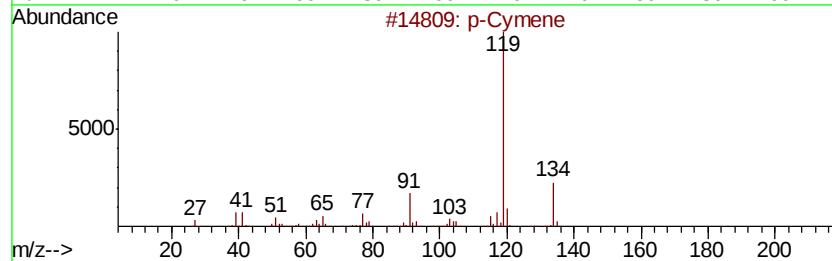
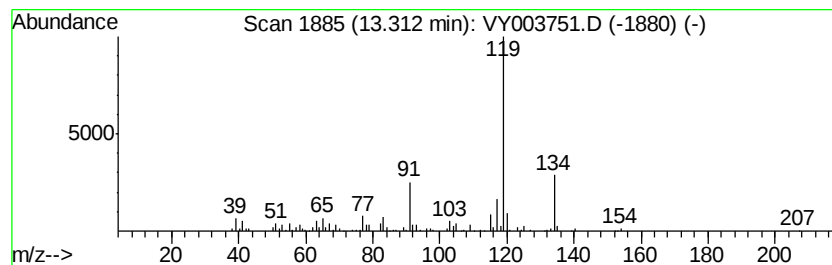
Instrument :
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ClientSampleId :
C0AD5

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Quant Title : VOC Analysis

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

Peak Number 11 p-Cymene Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.31	4.87 ug/L	101207	1,4-Dichlorobenzene-d4	13.43
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	p-Cymene	134 C10H14	000099-87-6	94
2	o-Cymene	134 C10H14	000527-84-4	94
3	Benzene, 1-methyl-3-(1-methylethyl-...)	134 C10H14	000535-77-3	93
4	p-Cymene	134 C10H14	000099-87-6	93
5	Benzene, 1-methyl-3-(1-methylethyl-...)	134 C10H14	000535-77-3	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121420\
Data File : VY003751.D
Acq On : 14 Dec 2020 16:32
Operator : SY/MD
Sample : L5063-01
Misc : 4.34G/10ML/MSVOA Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD5

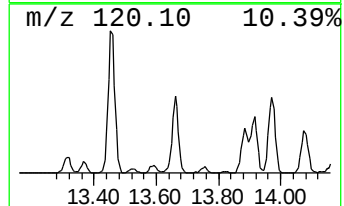
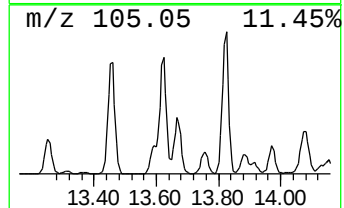
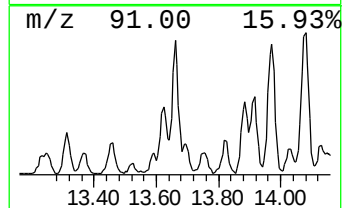
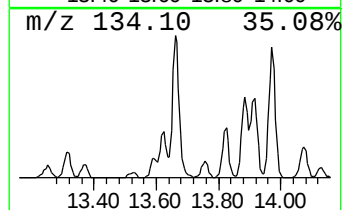
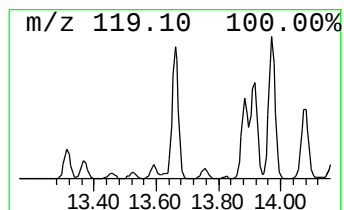
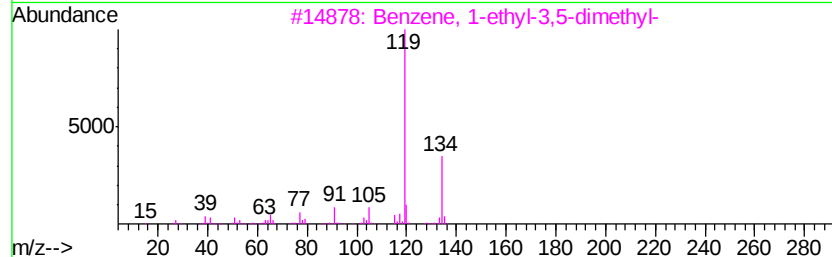
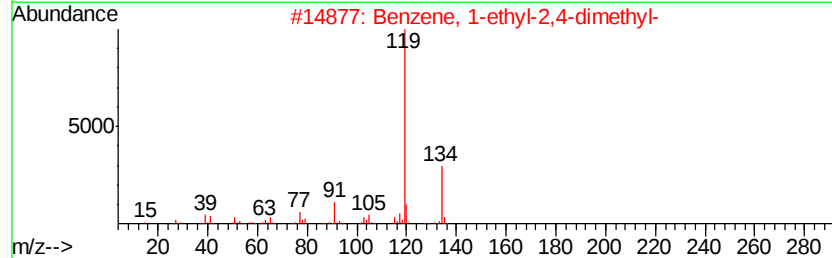
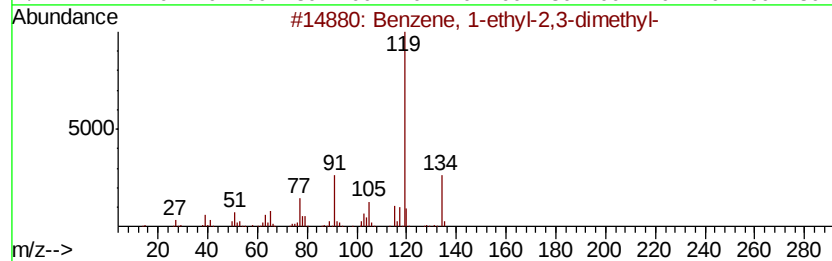
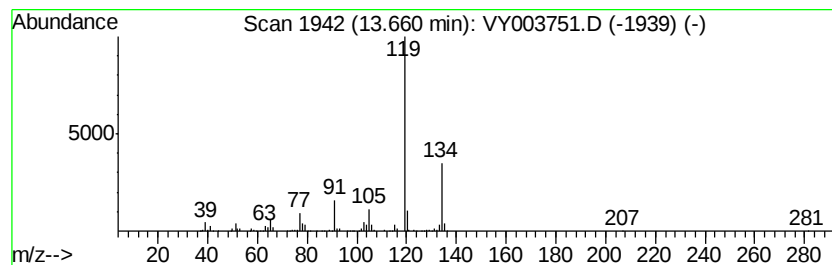
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Quant Title : VOC Analysis

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

Peak Number 14 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.66	16.38 ug/L	340275	1,4-Dichlorobenzene-d4	13.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
2		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
3		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
4		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
5		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121420\
Data File : VY003751.D
Acq On : 14 Dec 2020 16:32
Operator : SY/MD
Sample : L5063-01
Misc : 4.34G/10ML/MSVOA Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
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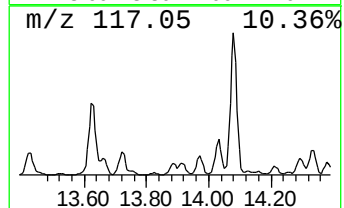
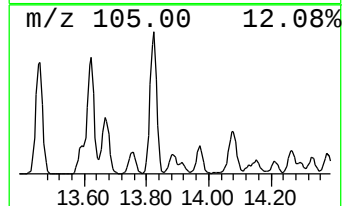
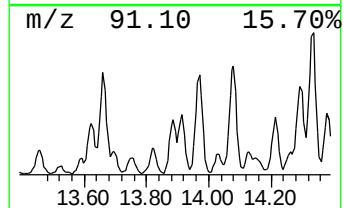
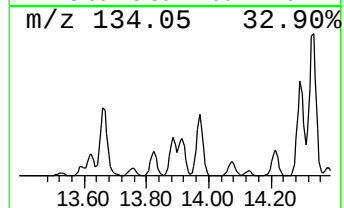
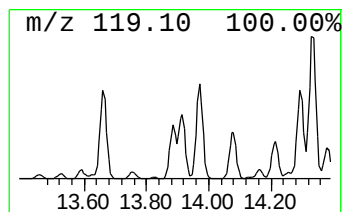
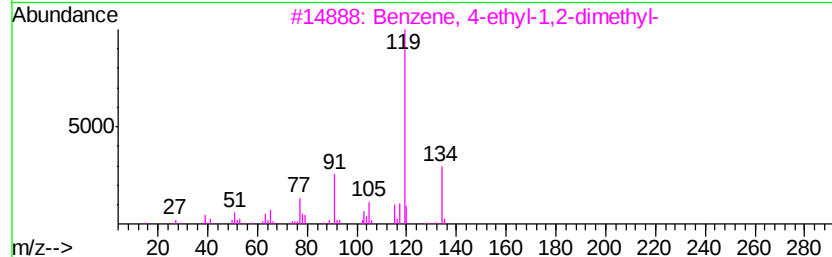
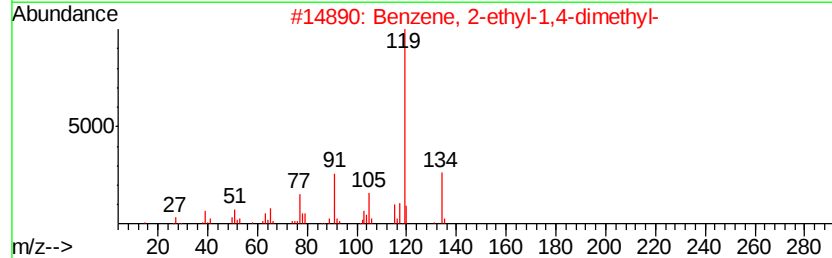
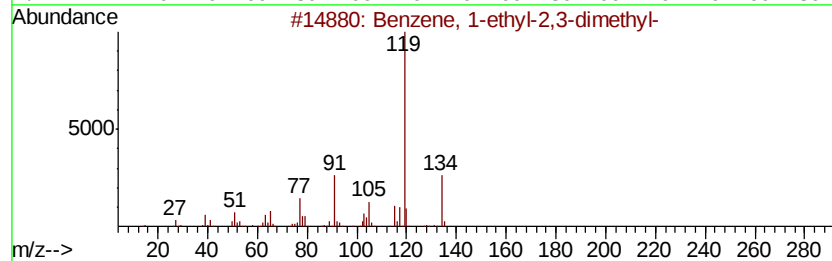
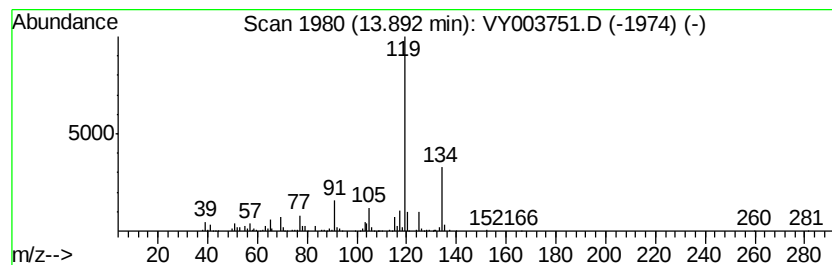
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Quant Title : VOC Analysis

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

Peak Number 16 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	11.26 ug/L	234059	1,4-Dichlorobenzene-d4	13.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
2		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
4		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
5		o-Cymene	134	C10H14	000527-84-4	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121420\
Data File : VY003751.D
Acq On : 14 Dec 2020 16:32
Operator : SY/MD
Sample : L5063-01
Misc : 4.34G/10ML/MSVOA Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

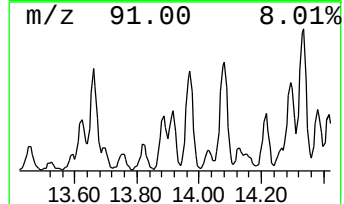
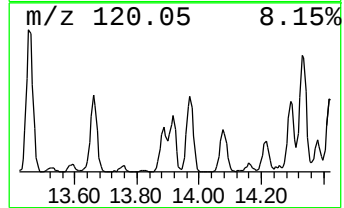
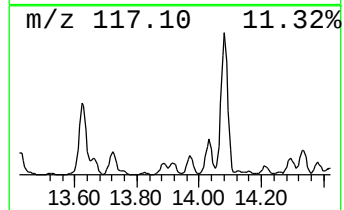
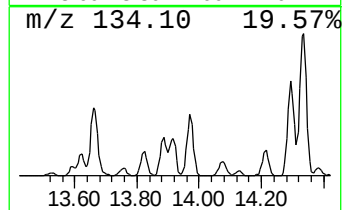
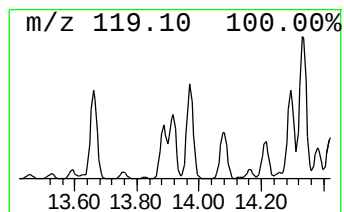
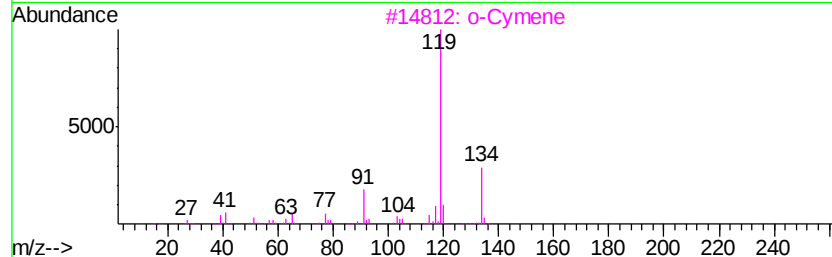
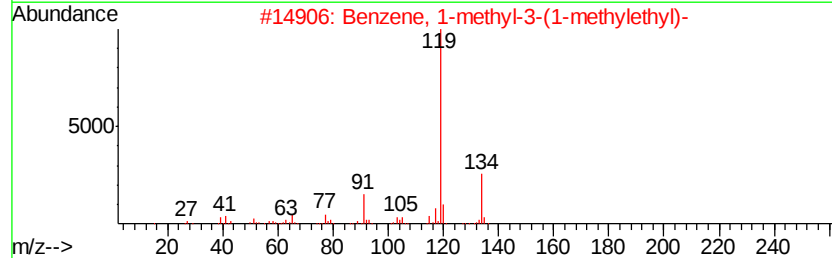
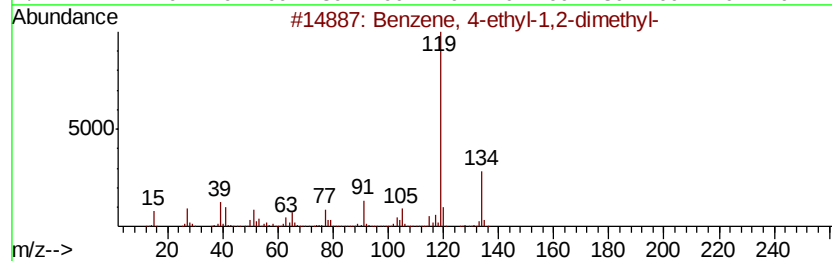
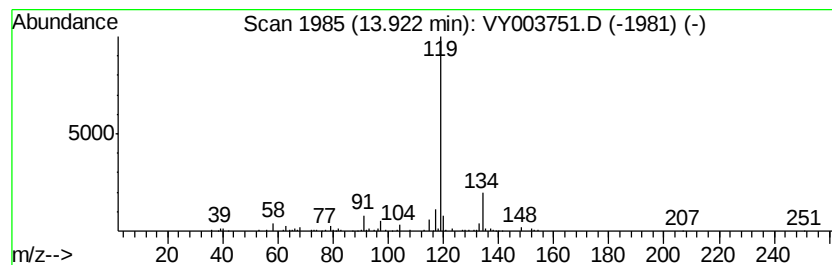
Instrument :
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ClientSampleId :
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM121420S.M
Quant Title : VOC Analysis

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

Peak Number 17 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.92	9.71 ug/L	201685	1,4-Dichlorobenzene-d4	13.43		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91	
2	Benzene, 1-methyl-3-(1-methylethyl-)	134	C10H14	000535-77-3	91	
3	o-Cymene	134	C10H14	000527-84-4	91	
4	Benzene, 1-methyl-3-(1-methylethyl-)	134	C10H14	000535-77-3	91	
5	p-Cymene	134	C10H14	000099-87-6	91	



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121420\
Data File : VY003751.D
Acq On : 14 Dec 2020 16:32
Operator : SY/MD
Sample : L5063-01
Misc : 4.34G/10ML/MSVOA Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

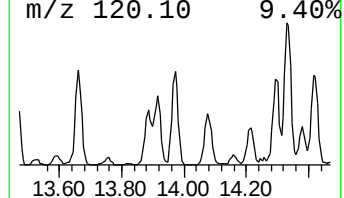
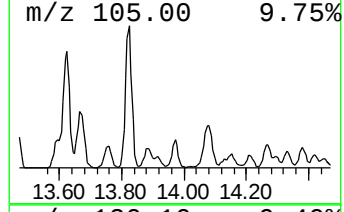
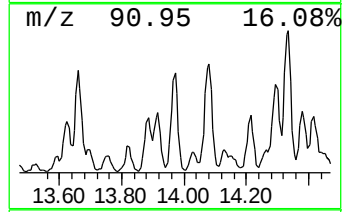
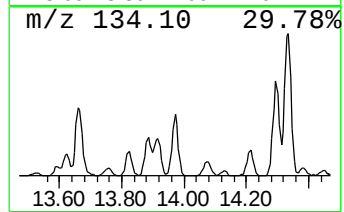
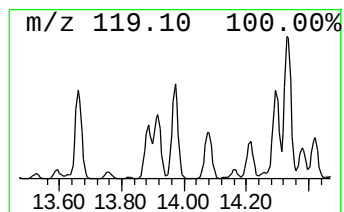
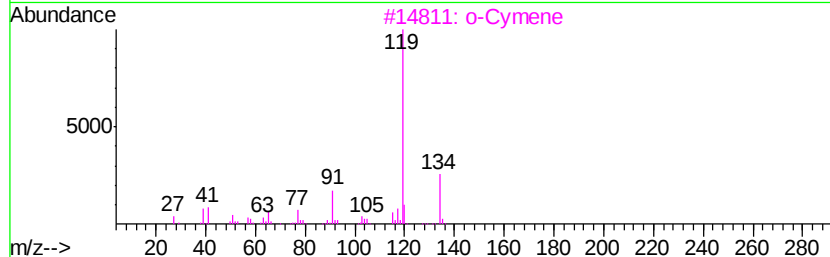
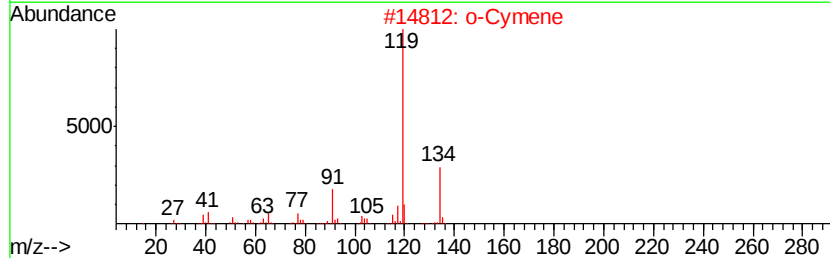
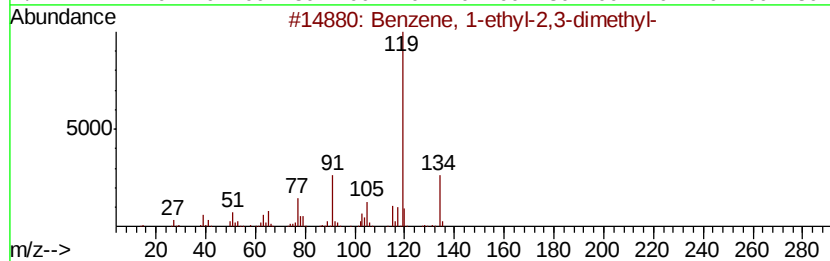
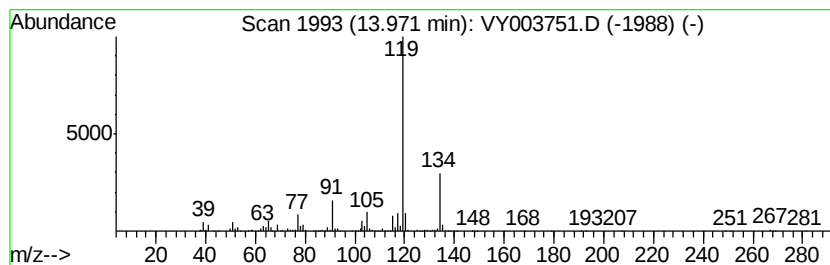
Instrument :
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ClientSampleId :
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM121420S.M
Quant Title : VOC Analysis

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

Peak Number 18 o-Cymene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	17.66 ug/L	366968	1,4-Dichlorobenzene-d4	13.43
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, 1-ethyl-2,3-dimethyl-	134 C10H14	000933-98-2 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 95



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121420\
Data File : VY003751.D
Acq On : 14 Dec 2020 16:32
Operator : SY/MD
Sample : L5063-01
Misc : 4.34G/10ML/MSVOA Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

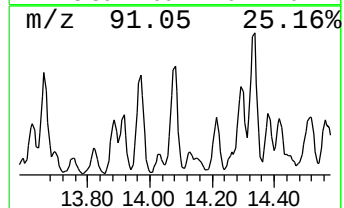
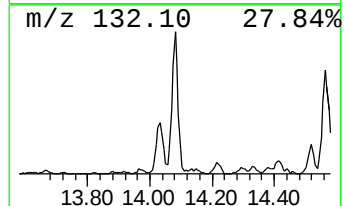
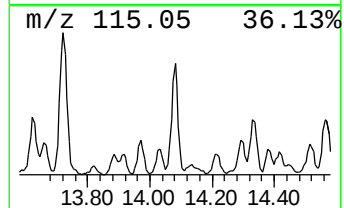
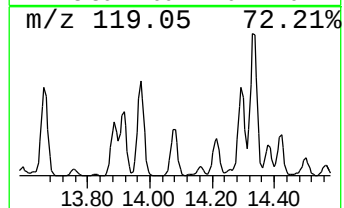
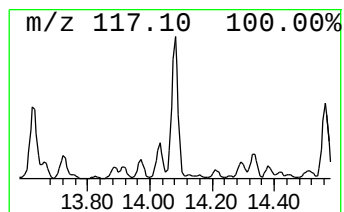
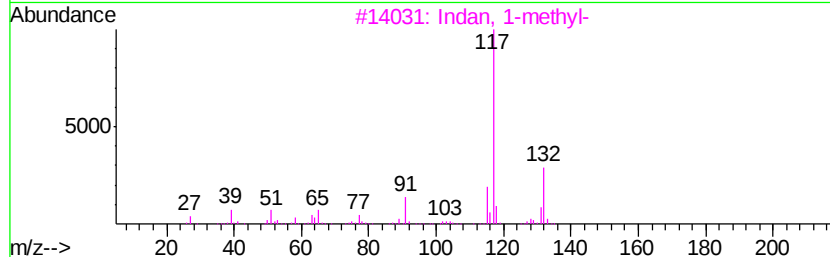
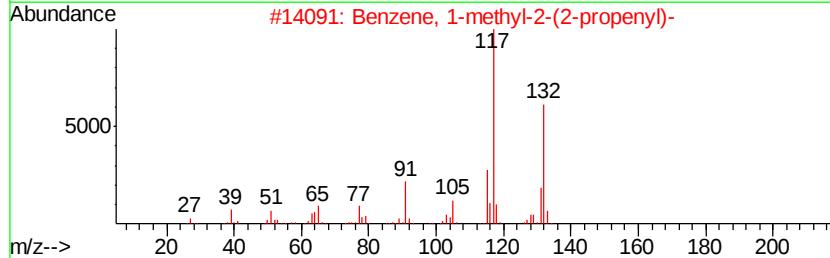
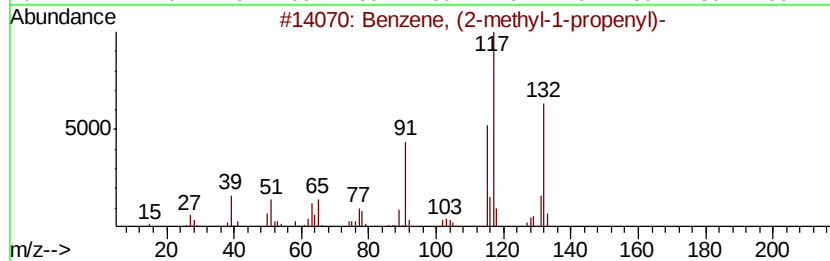
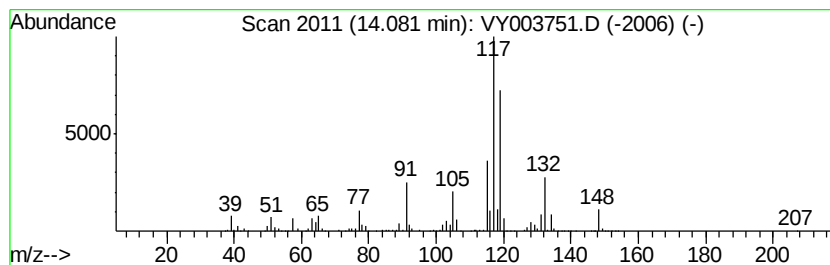
Instrument :
MSVOA_Y
ClientSampleId :
C0AD5

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

Peak Number 20 Benzene, (2-methyl-1-propen... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.08	20.70 ug/L	430208	1,4-Dichlorobenzene-d4	13.43
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, (2-methyl-1-propenyl)-	132 C10H12	000768-49-0 83
2		Benzene, 1-methyl-2-(2-propenyl)-	132 C10H12	001587-04-8 76
3		Indan, 1-methyl-	132 C10H12	000767-58-8 64
4		3-Phenylbut-1-ene	132 C10H12	000934-10-1 64
5		Benzene, (2-methylcyclopropyl)-	132 C10H12	1000327-39-0 60



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121420\
Data File : VY003751.D
Acq On : 14 Dec 2020 16:32
Operator : SY/MD
Sample : L5063-01
Misc : 4.34G/10ML/MSVOA Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD5

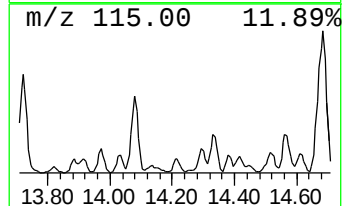
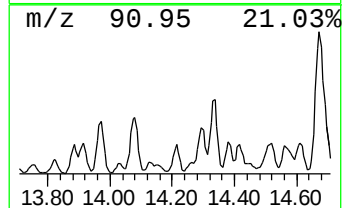
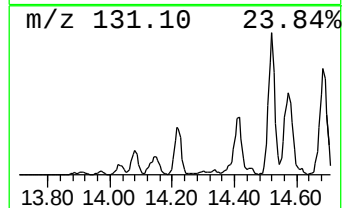
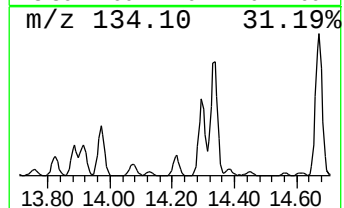
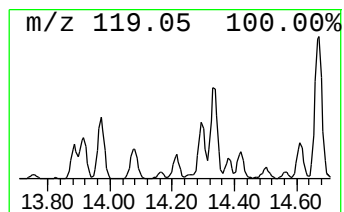
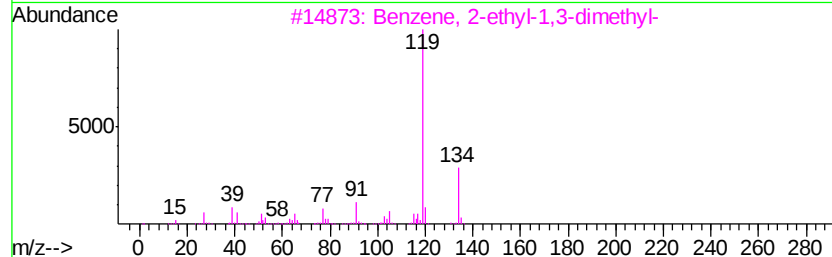
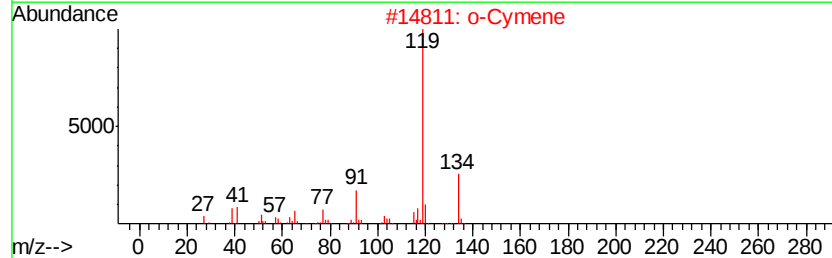
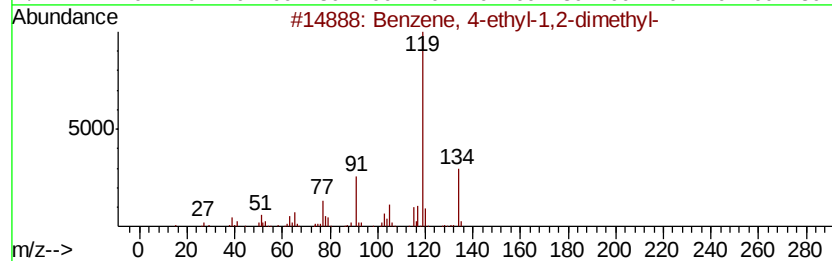
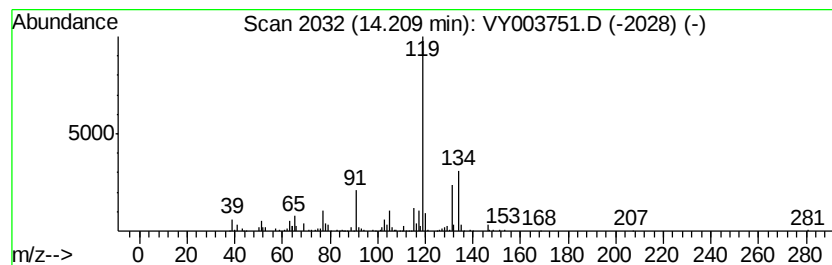
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Quant Title : VOC Analysis

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

Peak Number 22 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	8.70 ug/L	180688	1,4-Dichlorobenzene-d4	13.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
2		o-Cymene	134	C10H14	000527-84-4	94
3		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	93
4		p-Cymene	134	C10H14	000099-87-6	93
5		o-Cymene	134	C10H14	000527-84-4	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121420\
Data File : VY003751.D
Acq On : 14 Dec 2020 16:32
Operator : SY/MD
Sample : L5063-01
Misc : 4.34G/10ML/MSVOA Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD5

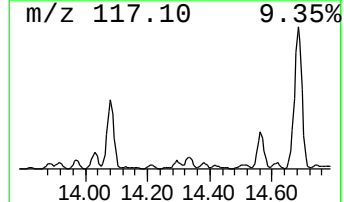
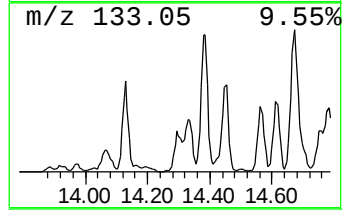
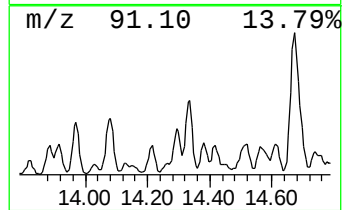
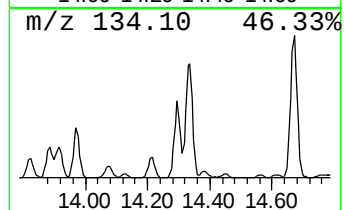
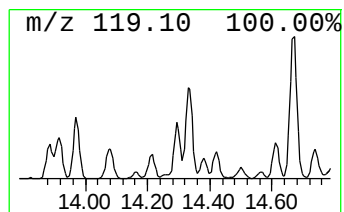
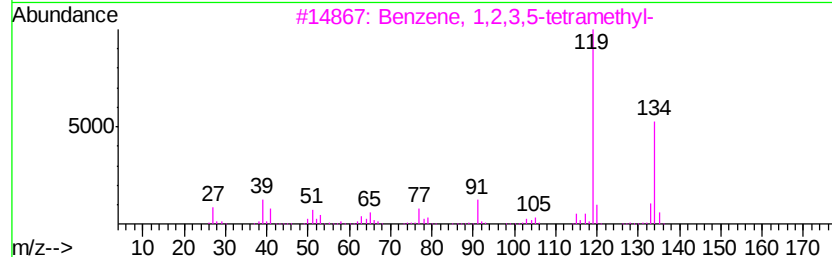
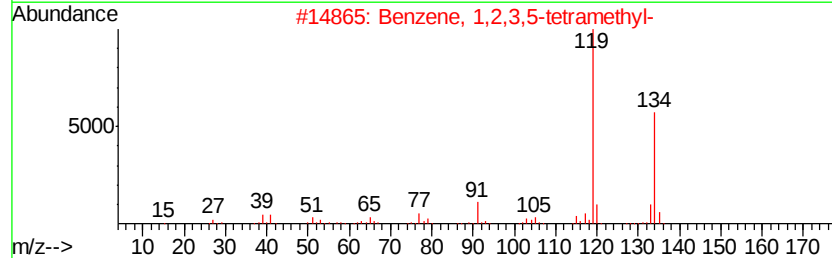
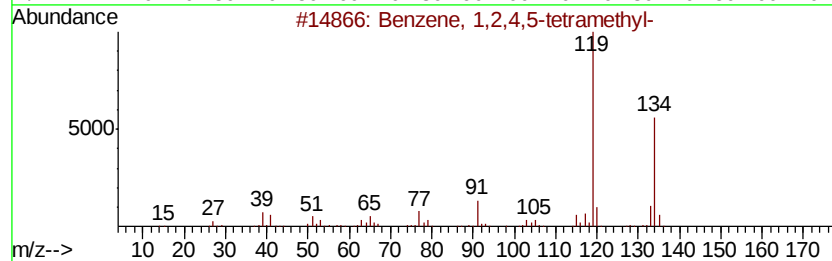
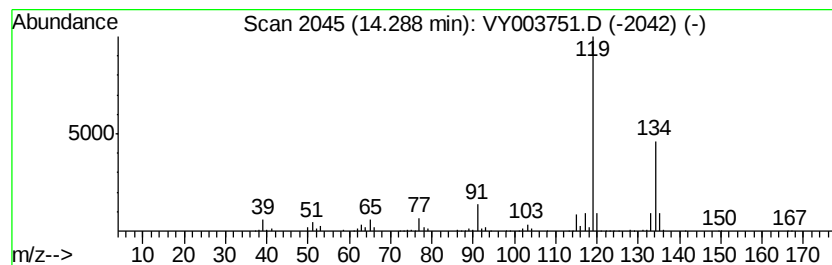
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Quant Title : VOC Analysis

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

Peak Number 24 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.29	14.30 ug/L	297109	1,4-Dichlorobenzene-d4	13.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
2		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	96
3		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4		o-Cymene	134	C10H14	000527-84-4	95
5		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121420\
Data File : VY003751.D
Acq On : 14 Dec 2020 16:32
Operator : SY/MD
Sample : L5063-01
Misc : 4.34G/10ML/MSVOA Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD5

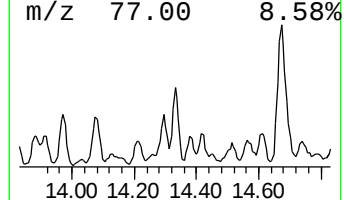
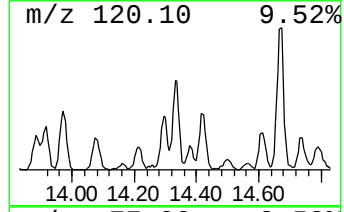
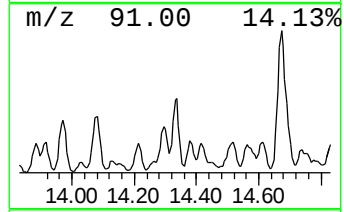
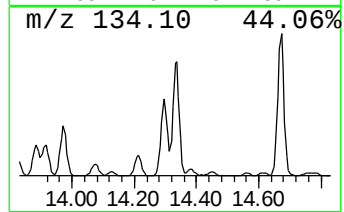
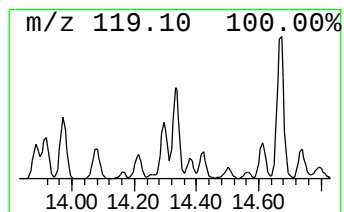
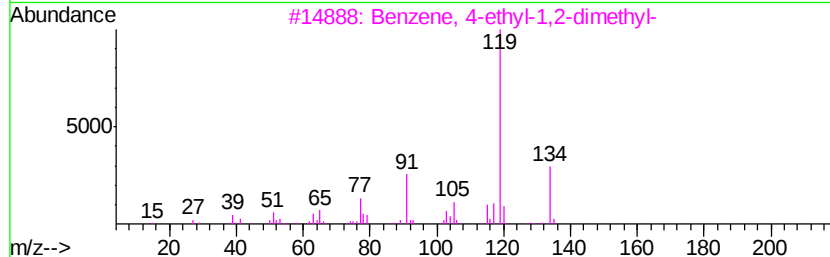
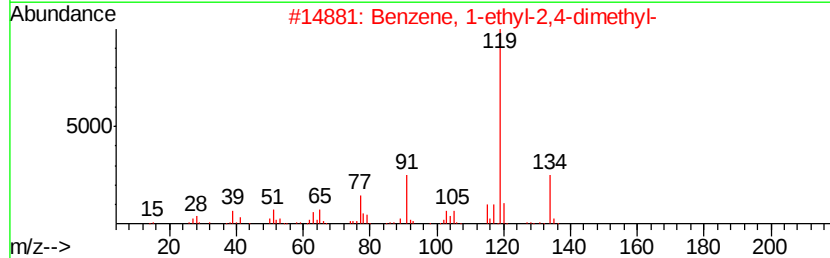
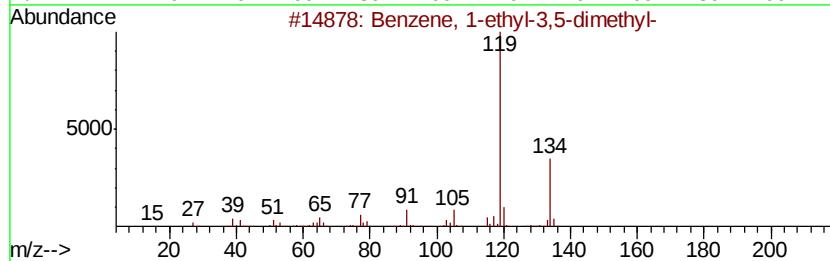
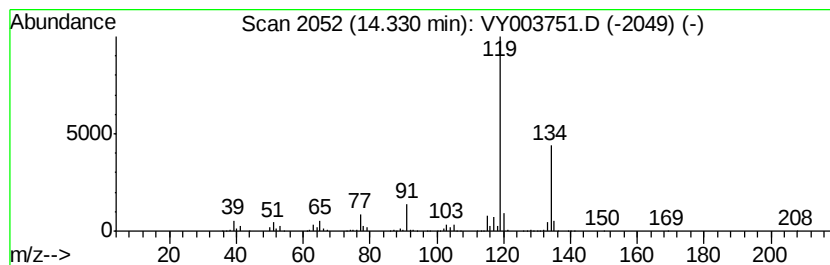
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Quant Title : VOC Analysis

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

Peak Number 25 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.33	24.70 ug/L	513345	1,4-Dichlorobenzene-d4	13.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94
2		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
3		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
4		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
5		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121420\
Data File : VY003751.D
Acq On : 14 Dec 2020 16:32
Operator : SY/MD
Sample : L5063-01
Misc : 4.34G/10ML/MSVOA Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD5

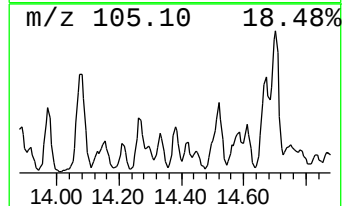
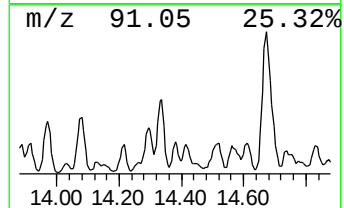
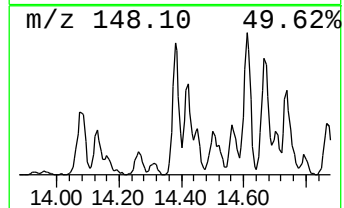
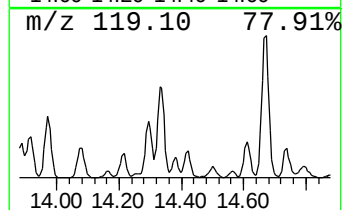
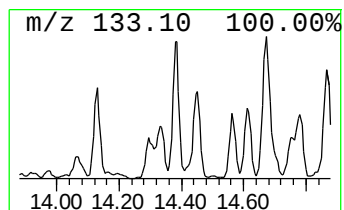
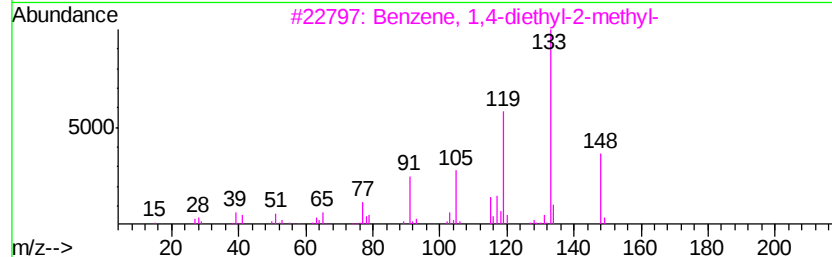
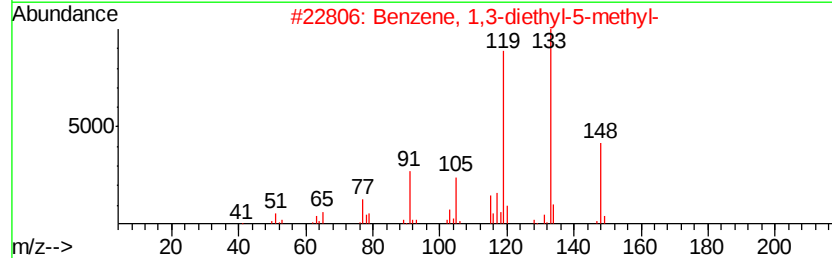
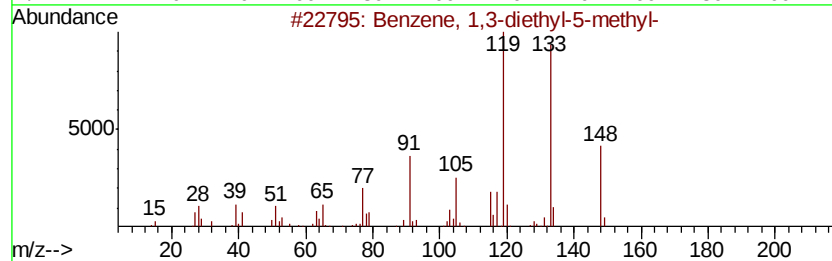
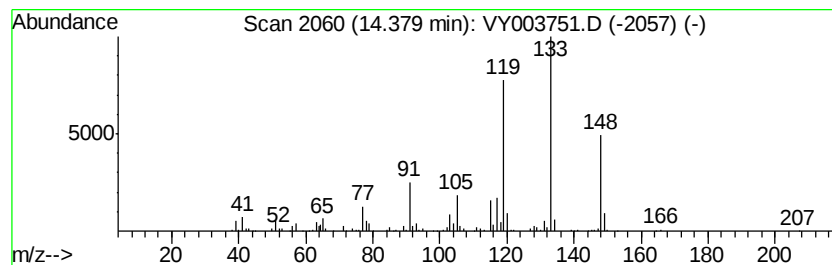
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Quant Title : VOC Analysis

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

Peak Number 26 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.38	8.65 ug/L	179773	1,4-Dichlorobenzene-d4	13.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	94
2		Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	86
3		Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	86
4		Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	86
5		Benzene, pentamethyl-	148	C11H16	000700-12-9	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121420\
Data File : VY003751.D
Acq On : 14 Dec 2020 16:32
Operator : SY/MD
Sample : L5063-01
Misc : 4.34G/10ML/MSVOA Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD5

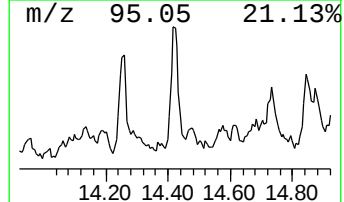
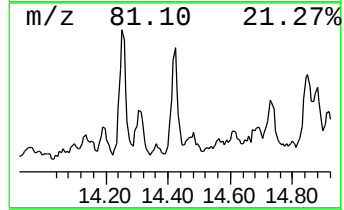
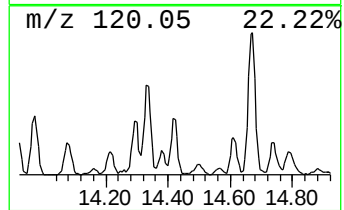
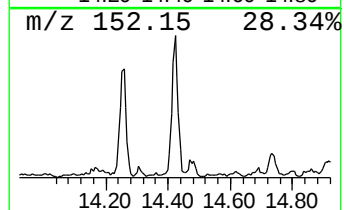
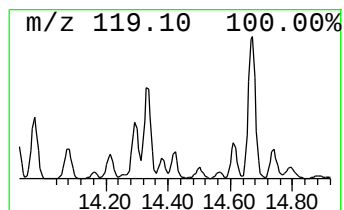
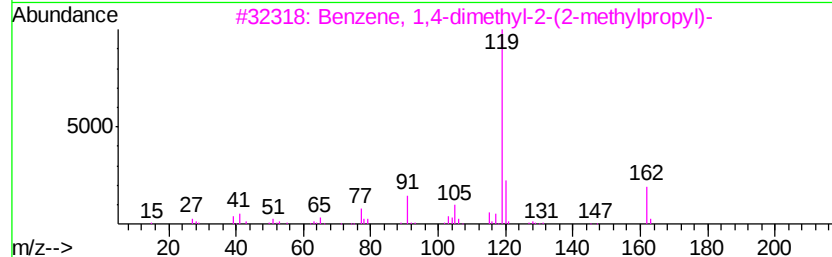
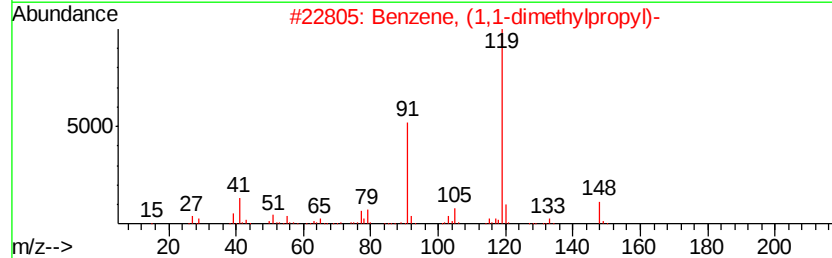
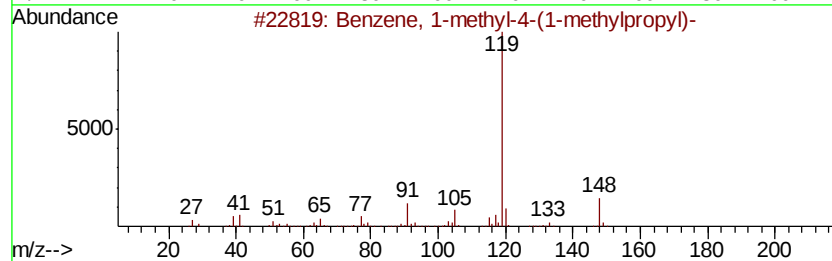
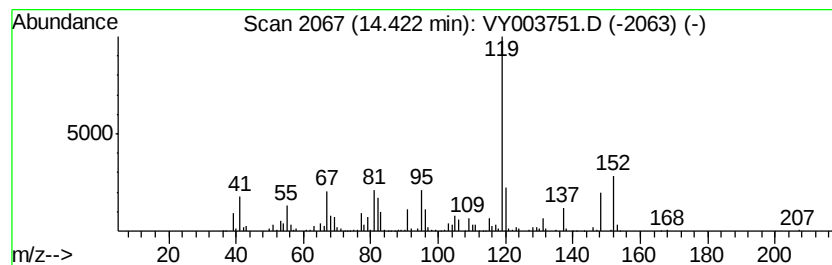
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Quant Title : VOC Analysis

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

Peak Number 27 unknown-01 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.42	9.53 ug/L	197941	1,4-Dichlorobenzene-d4	13.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	38
2		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	38
3		Benzene, 1,4-dimethyl-2-(2-methv...	162	C12H18	055669-88-0	35
4		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	35
5		Pyrazine, isopropenyl-	120	C7H8N2	034413-32-6	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121420\
Data File : VY003751.D
Acq On : 14 Dec 2020 16:32
Operator : SY/MD
Sample : L5063-01
Misc : 4.34G/10ML/MSVOA Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
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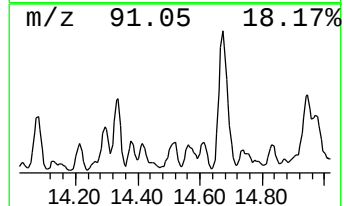
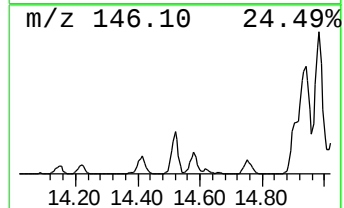
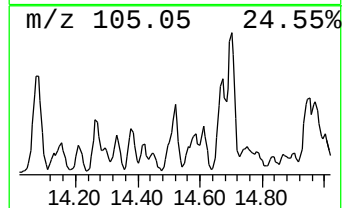
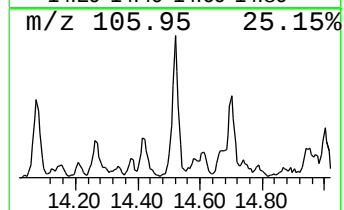
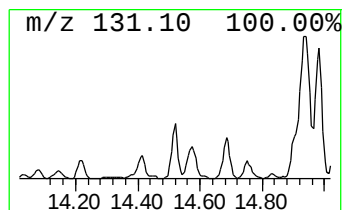
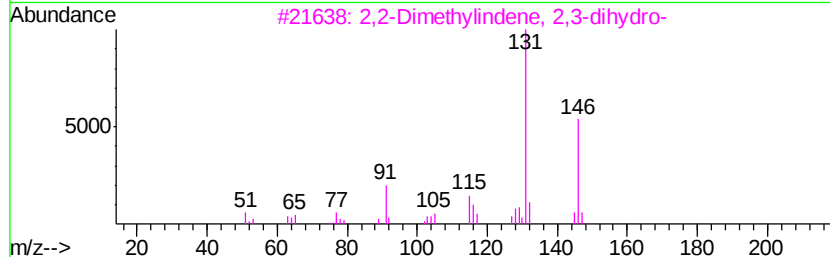
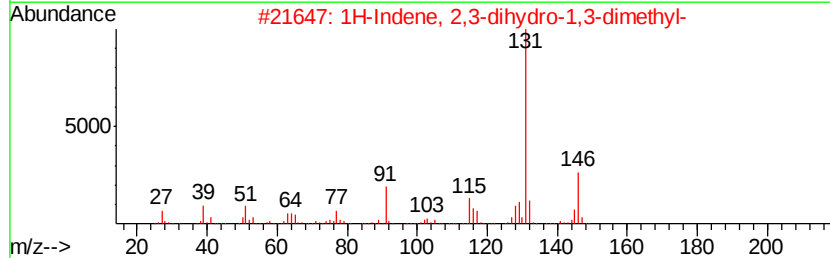
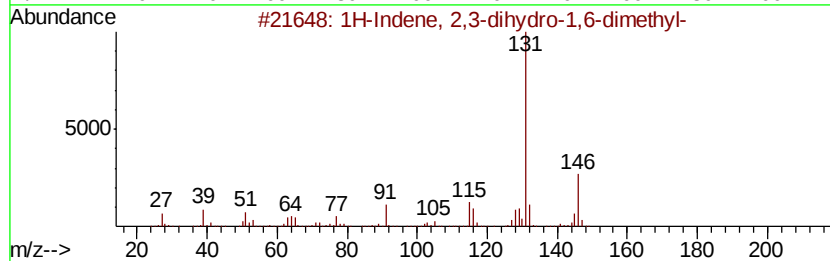
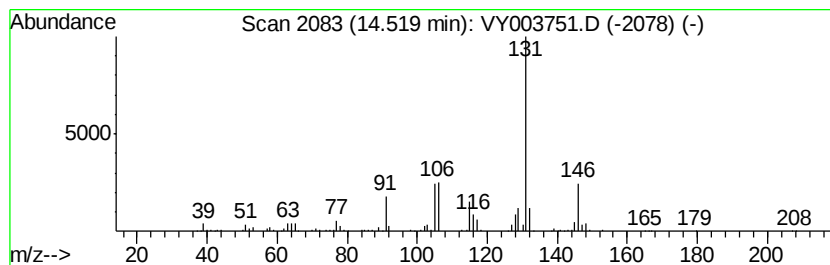
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Quant Title : VOC Analysis

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

Peak Number 28 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.52	7.28 ug/L	151336	1,4-Dichlorobenzene-d4	13.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	93
2		1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	89
3		2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	89
4		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	86
5		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	86



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121420\
Data File : VY003751.D
Acq On : 14 Dec 2020 16:32
Operator : SY/MD
Sample : L5063-01
Misc : 4.34G/10ML/MSVOA Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD5

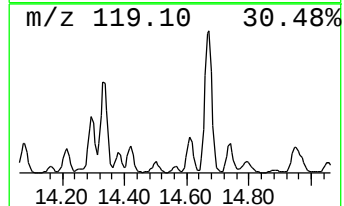
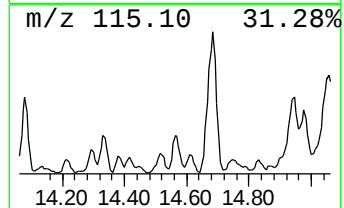
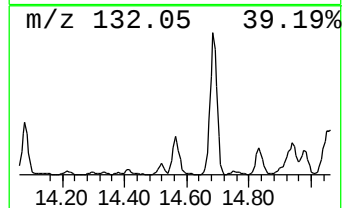
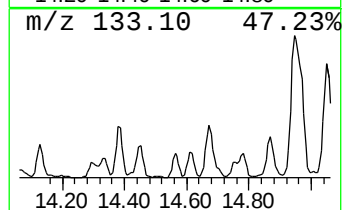
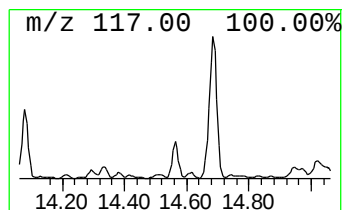
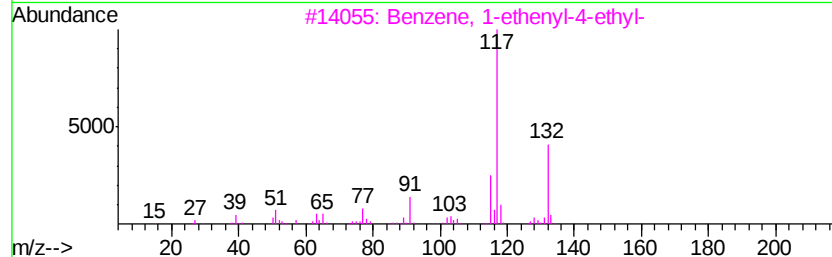
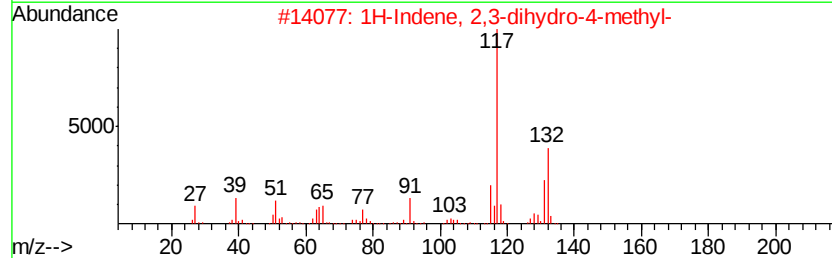
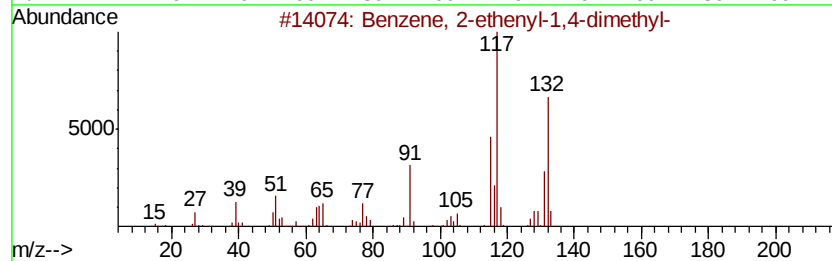
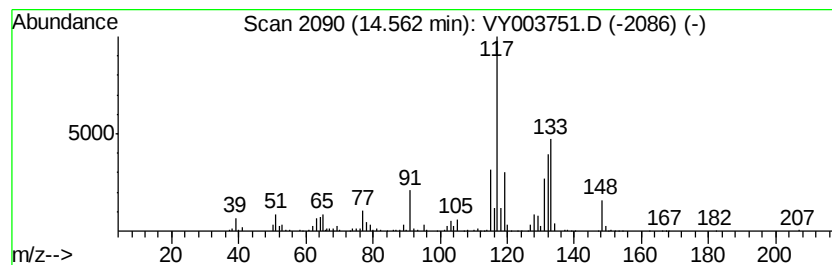
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Quant Title : VOC Analysis

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

Peak Number 29 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.56	12.94 ug/L	268970	1,4-Dichlorobenzene-d4	13.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	86
2		1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	70
3		Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	64
4		1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	64
5		Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121420\
Data File : VY003751.D
Acq On : 14 Dec 2020 16:32
Operator : SY/MD
Sample : L5063-01
Misc : 4.34G/10ML/MSVOA Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD5

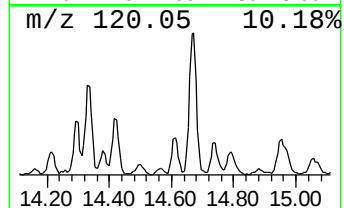
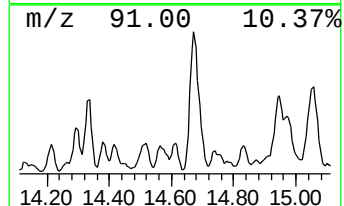
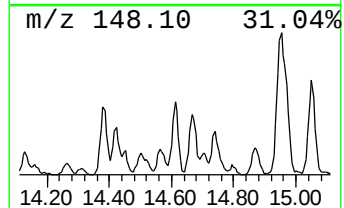
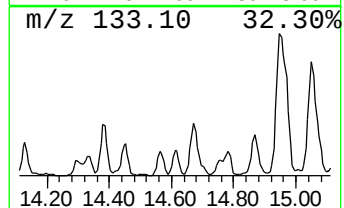
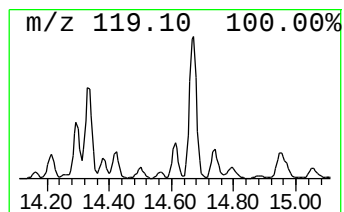
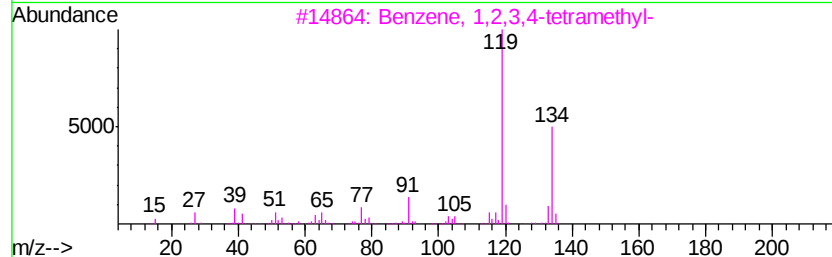
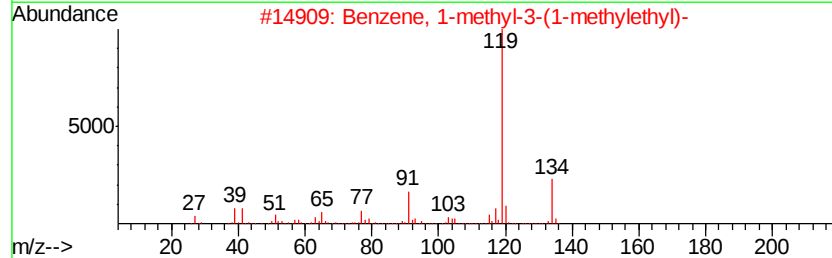
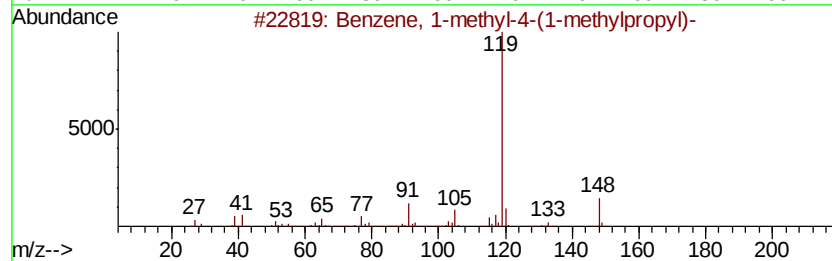
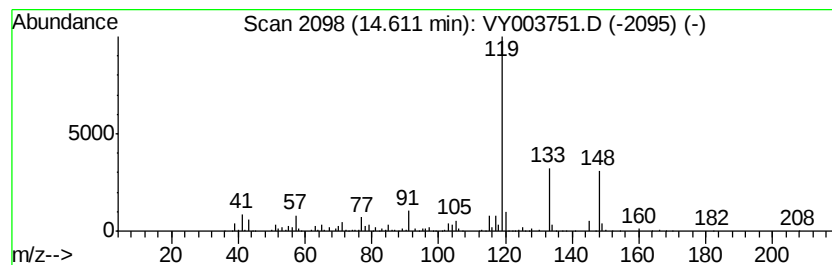
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Quant Title : VOC Analysis

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

Peak Number 30 Benzene, 1-methyl-4-(1-meth... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.61	11.82 ug/L	245541	1,4-Dichlorobenzene-d4	13.43

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-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	64
3		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	62
4		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	59
5		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121420\
Data File : VY003751.D
Acq On : 14 Dec 2020 16:32
Operator : SY/MD
Sample : L5063-01
Misc : 4.34G/10ML/MSVOA Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD5

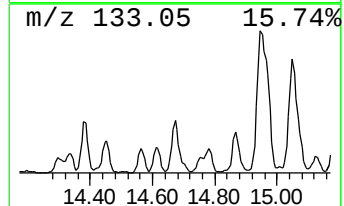
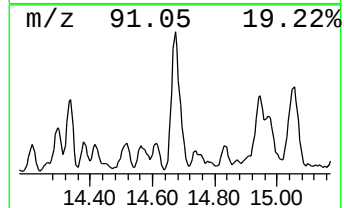
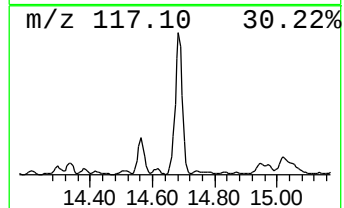
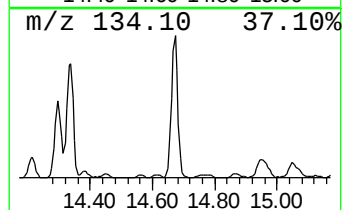
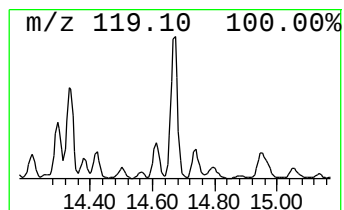
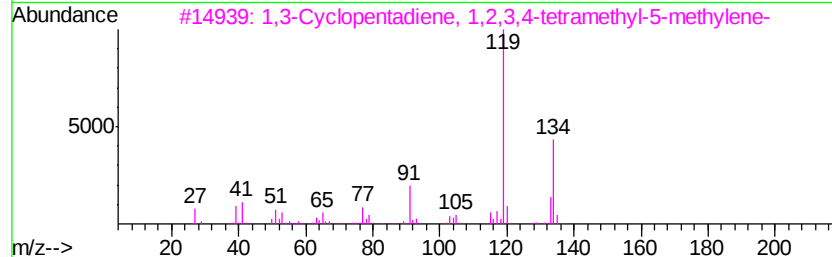
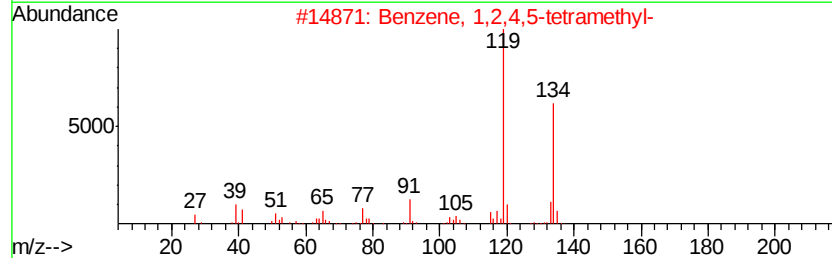
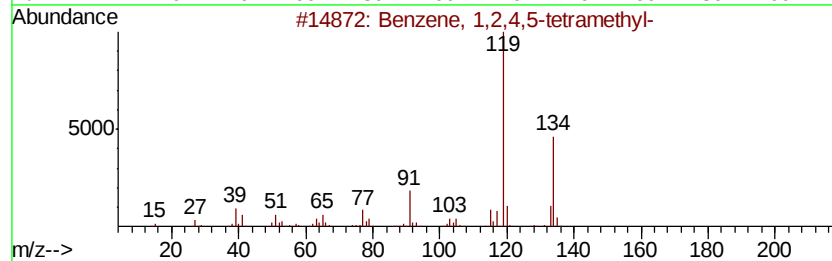
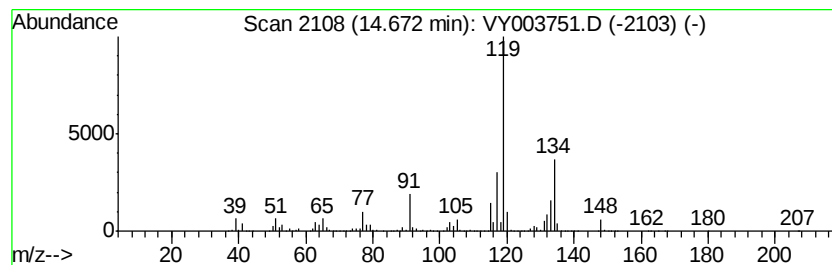
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Quant Title : VOC Analysis

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

Peak Number 31 1,3-Cyclopentadiene, 1,2,3,... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.67	76.84 ug/L	1596740	1,4-Dichlorobenzene-d4	13.43

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121420\
Data File : VY003751.D
Acq On : 14 Dec 2020 16:32
Operator : SY/MD
Sample : L5063-01
Misc : 4.34G/10ML/MSVOA Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD5

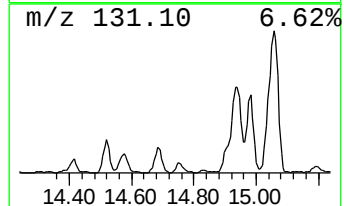
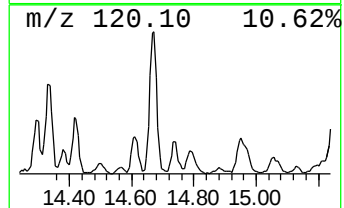
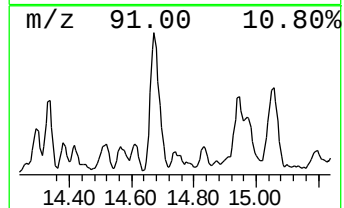
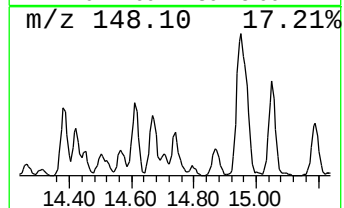
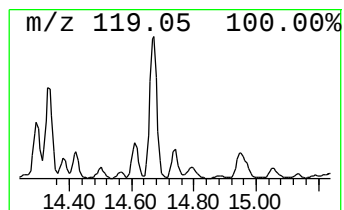
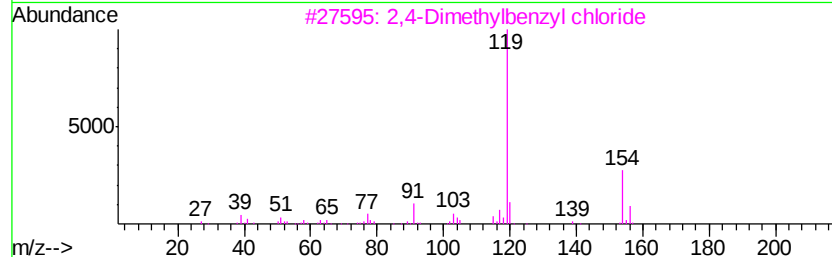
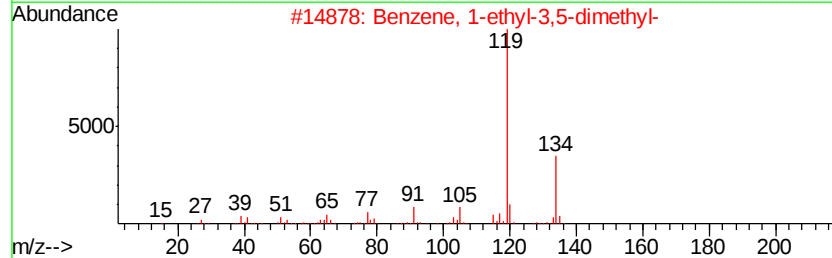
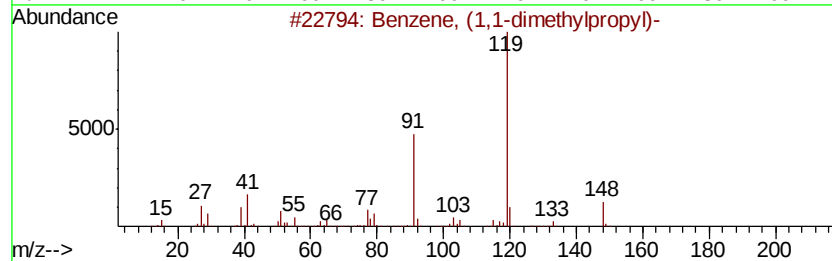
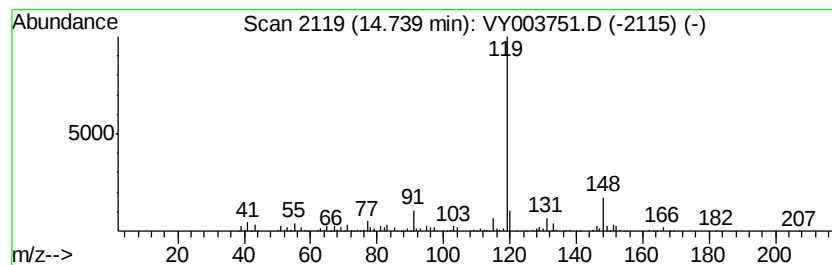
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Quant Title : VOC Analysis

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

Peak Number 32 Benzene, (1,1-dimethylpropyl)- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.74	8.42 ug/L	174882	1,4-Dichlorobenzene-d4	13.43

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	80
2			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	50
3			2,4-Dimethylbenzyl chloride	154	C9H11Cl	000824-55-5	45
4			Acetic acid, (2,4-xylvl)-	164	C10H12O2	006331-04-0	45
5			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	45



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121420\
Data File : VY003751.D
Acq On : 14 Dec 2020 16:32
Operator : SY/MD
Sample : L5063-01
Misc : 4.34G/10ML/MSVOA Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

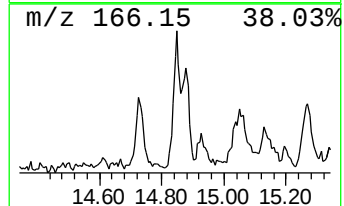
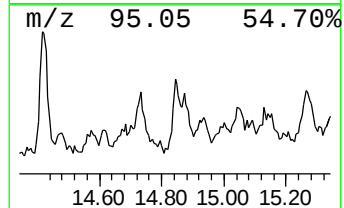
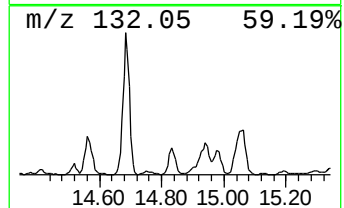
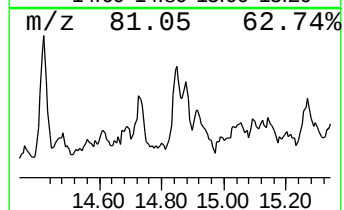
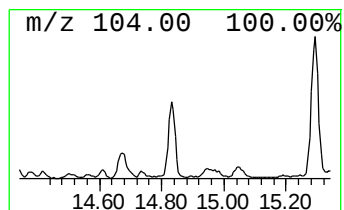
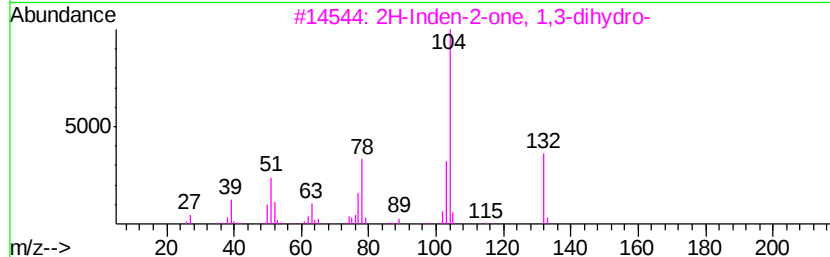
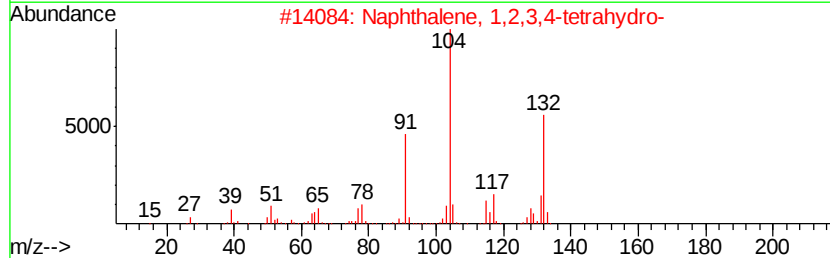
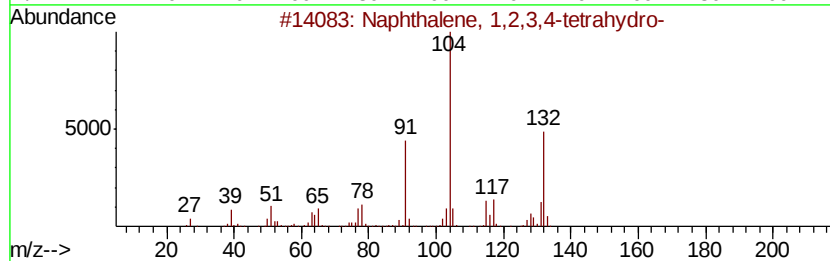
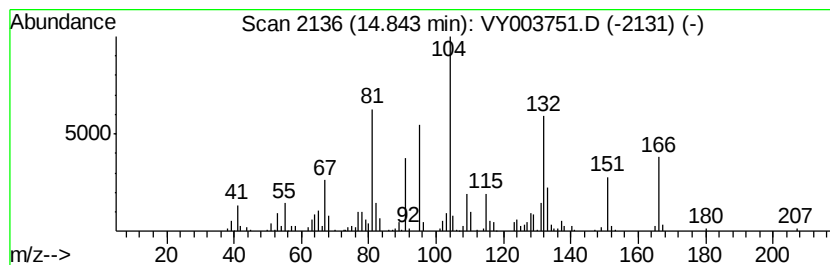
Instrument :
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ClientSampleId :
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Quant Title : VOC Analysis

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

Peak Number 33 Naphthalene, 1,2,3,4-tetrahydro... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.84	4.01 ug/L	83225	1,4-Dichlorobenzene-d4	13.43
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1,2,3,4-tetrahydro-	132 C10H12	000119-64-2 76
2		Naphthalene, 1,2,3,4-tetrahydro-	132 C10H12	000119-64-2 68
3		2H-Inden-2-one, 1,3-dihydro-	132 C9H8O	000615-13-4 58
4		Isoquinoline, 1,2,3,4-tetrahydro...	147 C10H13N	029726-60-1 53
5		2H-Inden-2-one, 1,3-dihydro-	132 C9H8O	000615-13-4 52



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121420\
Data File : VY003751.D
Acq On : 14 Dec 2020 16:32
Operator : SY/MD
Sample : L5063-01
Misc : 4.34G/10ML/MSVOA Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD5

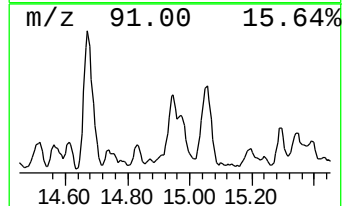
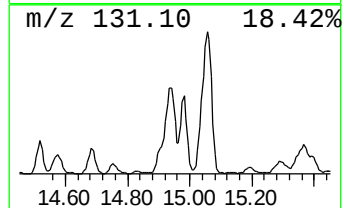
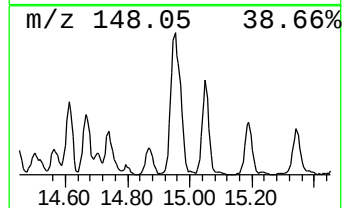
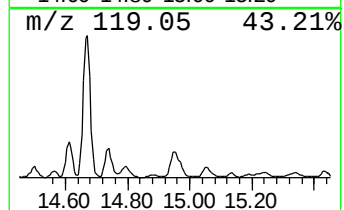
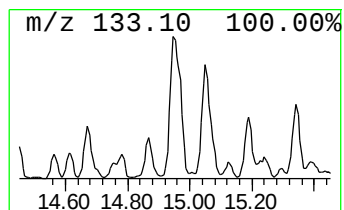
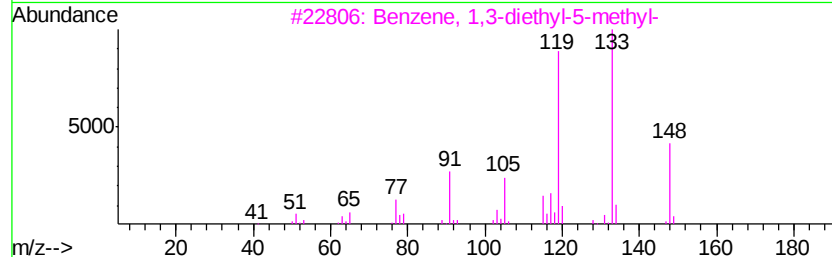
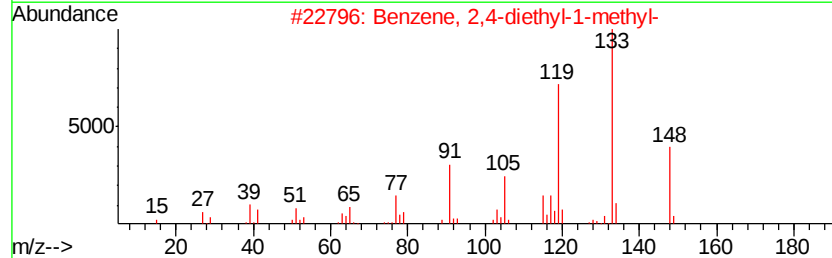
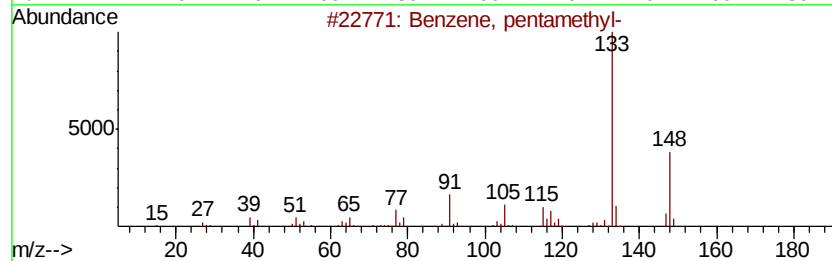
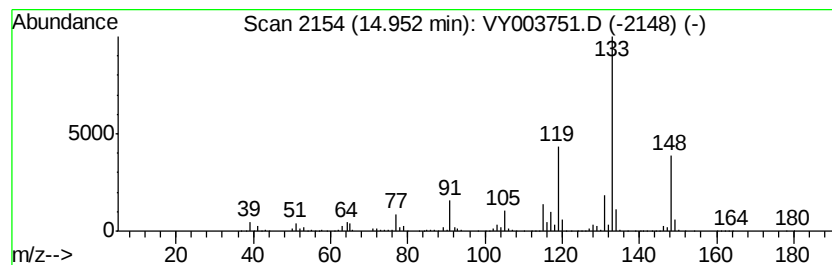
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Quant Title : VOC Analysis

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

Peak Number 34 Benzene, pentamethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.95	33.97 ug/L	705972	1,4-Dichlorobenzene-d4	13.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, pentamethyl-	148	C11H16	000700-12-9	60
2		Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	55
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:\voasrv\HPCHEM1\MSVOA Y\Data\VY121420\
Data File : VY003751.D
Acq On : 14 Dec 2020 16:32
Operator : SY/MD
Sample : L5063-01
Misc : 4.34G/10ML/MSVOA Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD5

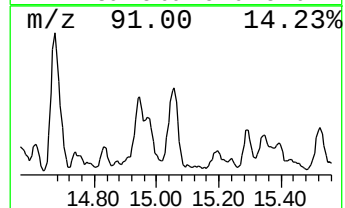
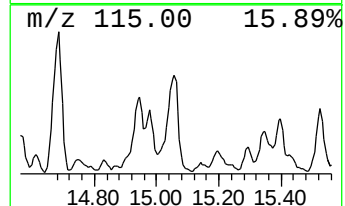
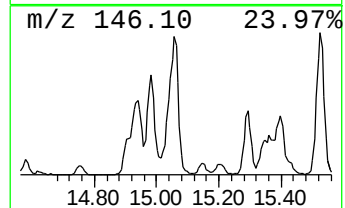
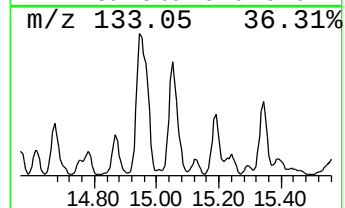
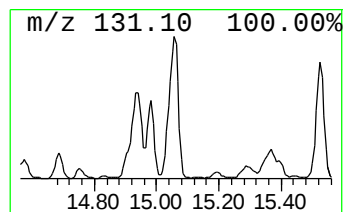
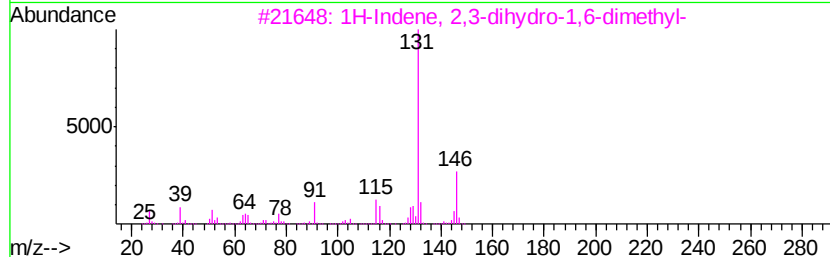
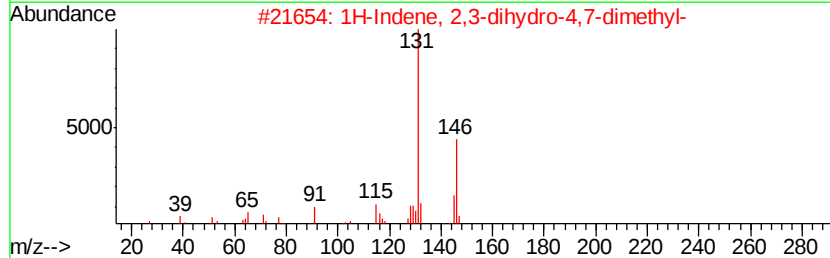
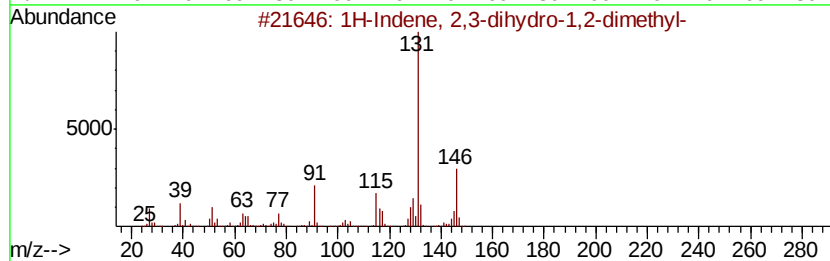
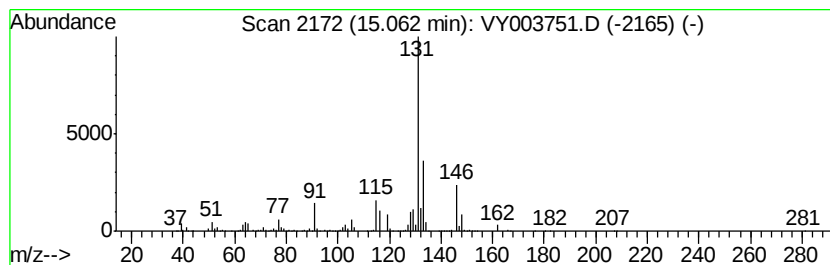
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Quant Title : VOC Analysis

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

Peak Number 35 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.06	54.01 ug/L	1122360	1,4-Dichlorobenzene-d4	13.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	64
2		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	64
3		1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	64
4		2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	64
5		1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121420\
Data File : VY003751.D
Acq On : 14 Dec 2020 16:32
Operator : SY/MD
Sample : L5063-01
Misc : 4.34G/10ML/MSVOA Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD5

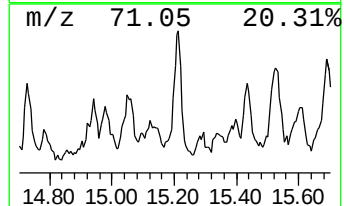
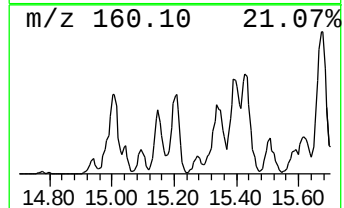
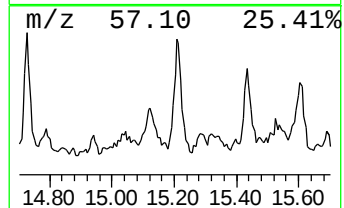
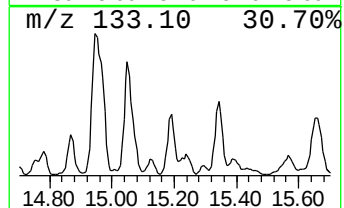
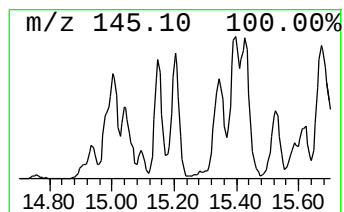
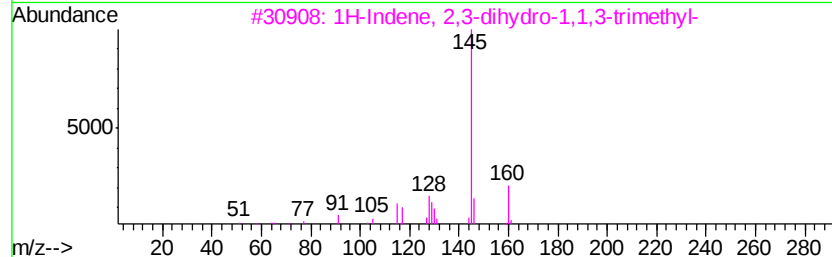
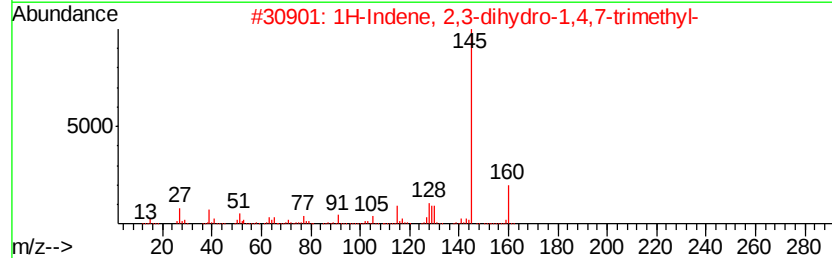
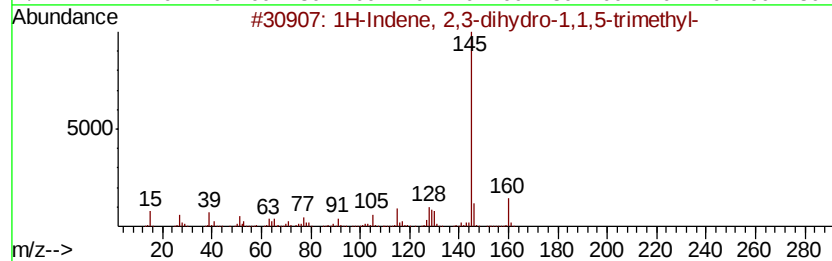
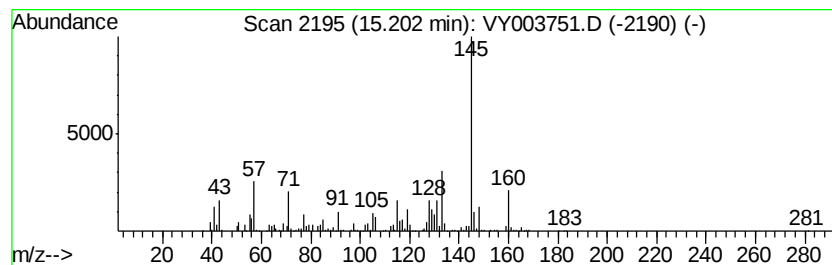
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Quant Title : VOC Analysis

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

Peak Number 36 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.20	13.12 ug/L	272732	1,4-Dichlorobenzene-d4	13.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	87
2		1H-Indene, 2,3-dihydro-1,4,7-tri...	160	C12H16	054340-87-3	84
3		1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	64
4		1H-Indene, 2,3-dihydro-1,5,7-tri...	160	C12H16	054340-88-4	64
5		Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121420\
Data File : VY003751.D
Acq On : 14 Dec 2020 16:32
Operator : SY/MD
Sample : L5063-01
Misc : 4.34G/10ML/MSVOA Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD5

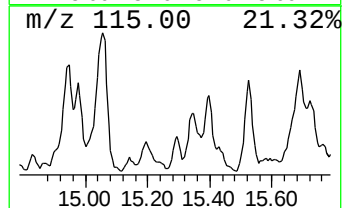
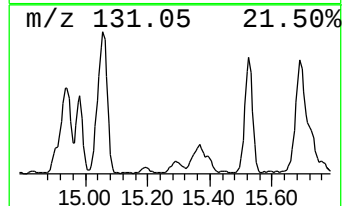
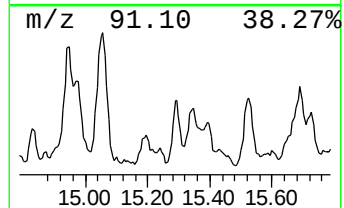
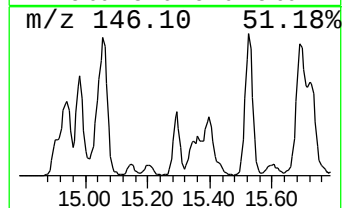
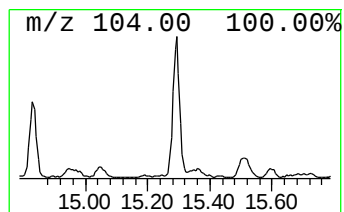
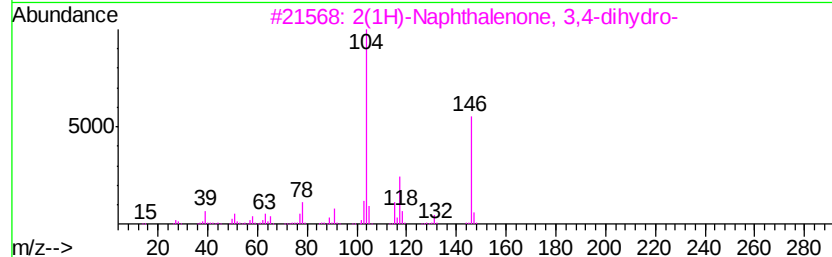
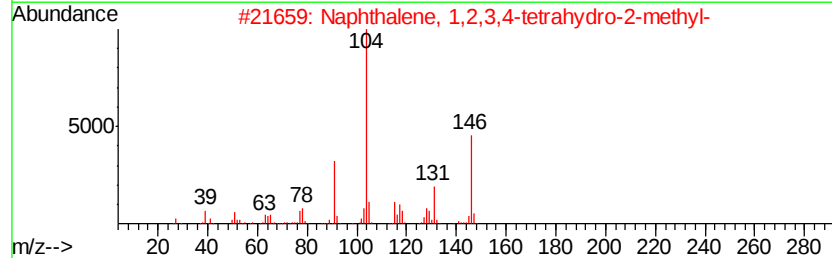
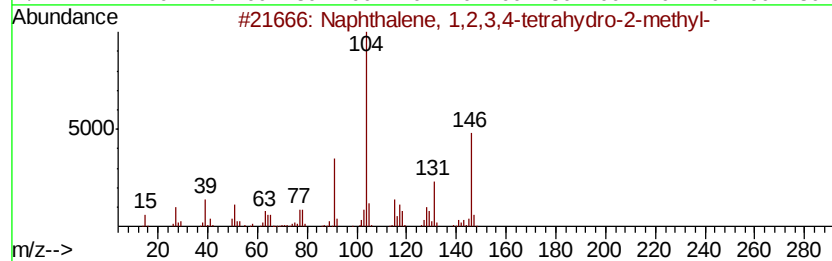
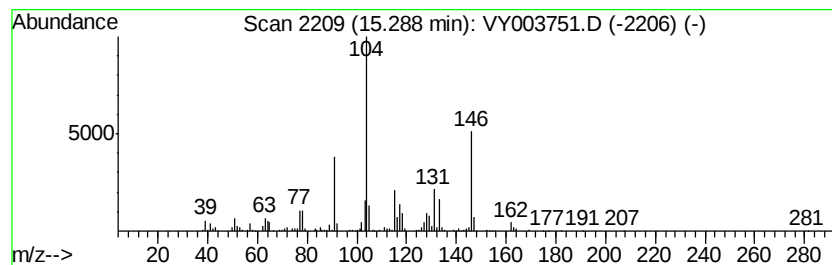
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Quant Title : VOC Analysis

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

Peak Number 37 Naphthalene, 1,2,3,4-tetra... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.29	9.06 ug/L	188336	1,4-Dichlorobenzene-d4	13.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	90
2		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	81
3		2(1H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000530-93-8	76
4		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	76
5		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121420\
Data File : VY003751.D
Acq On : 14 Dec 2020 16:32
Operator : SY/MD
Sample : L5063-01
Misc : 4.34G/10ML/MSVOA Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD5

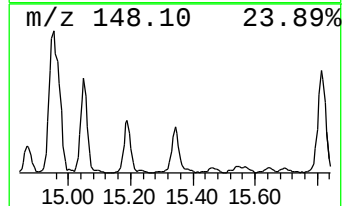
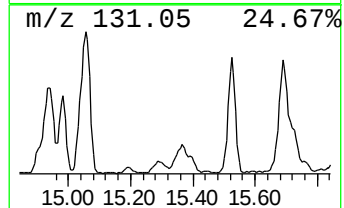
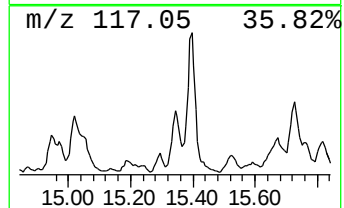
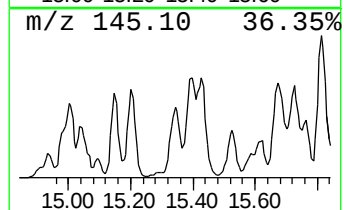
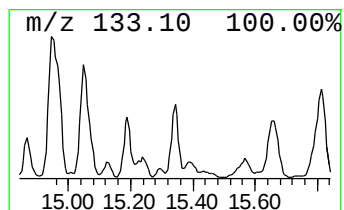
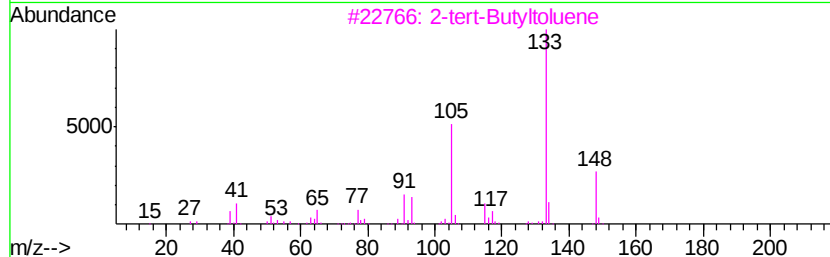
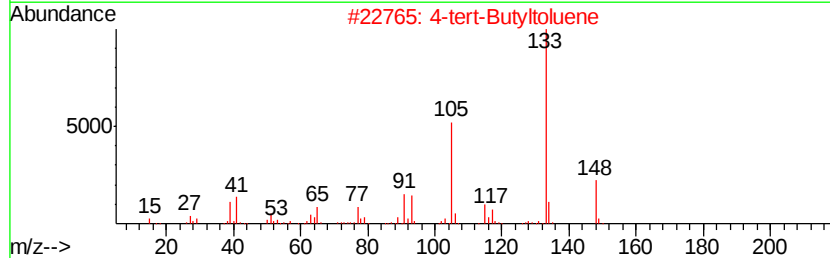
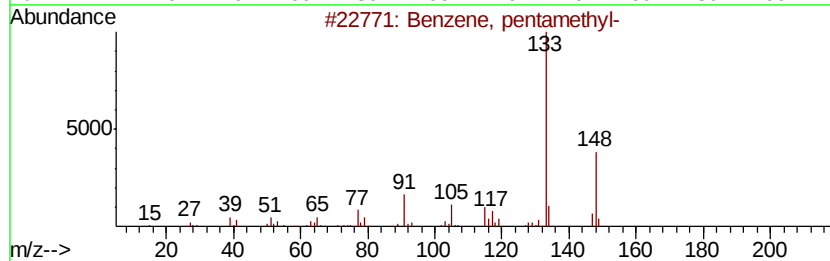
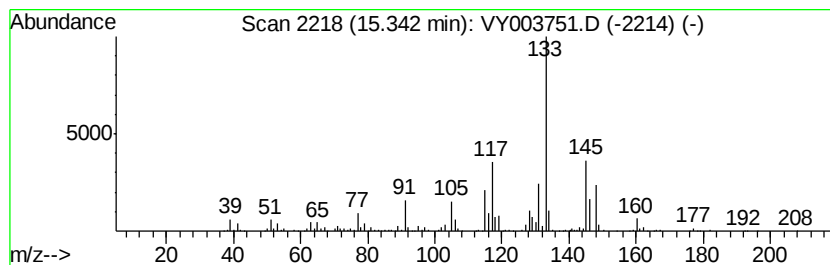
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Quant Title : VOC Analysis

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

Peak Number 38 unknown-02 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	18.20 ug/L	378170	1,4-Dichlorobenzene-d4	13.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, pentamethyl-	148	C11H16	000700-12-9	52
2		4-tert-Butyltoluene	148	C11H16	000098-51-1	49
3		2-tert-Butyltoluene	148	C11H16	001074-92-6	49
4		4-tert-Butyltoluene	148	C11H16	000098-51-1	46
5		Benzene, 1-(1,1-dimethylethyl)-3...	148	C11H16	001075-38-3	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121420\
Data File : VY003751.D
Acq On : 14 Dec 2020 16:32
Operator : SY/MD
Sample : L5063-01
Misc : 4.34G/10ML/MSVOA Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD5

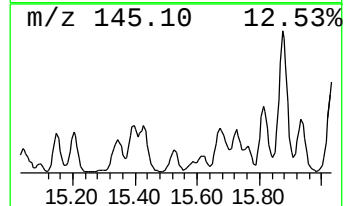
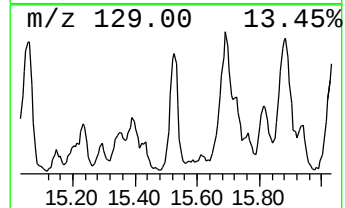
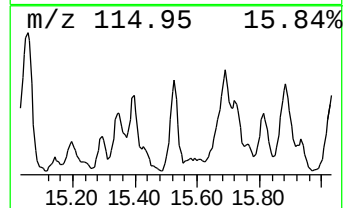
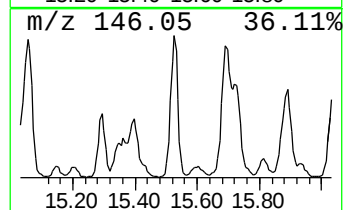
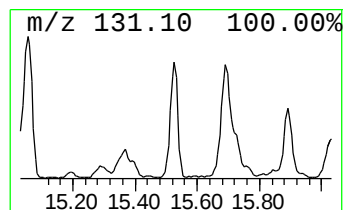
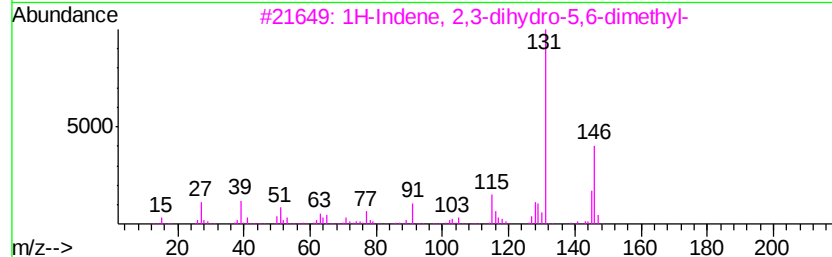
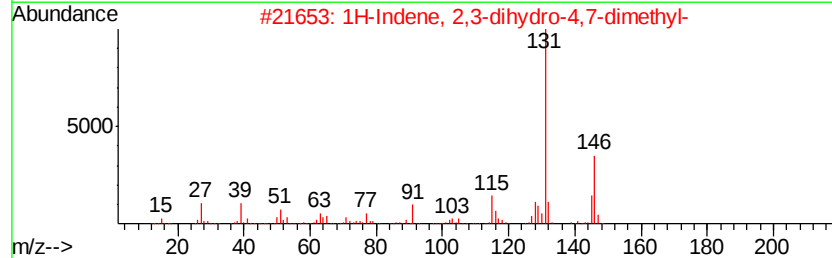
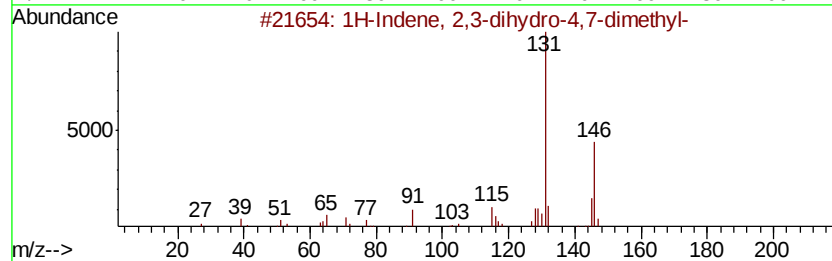
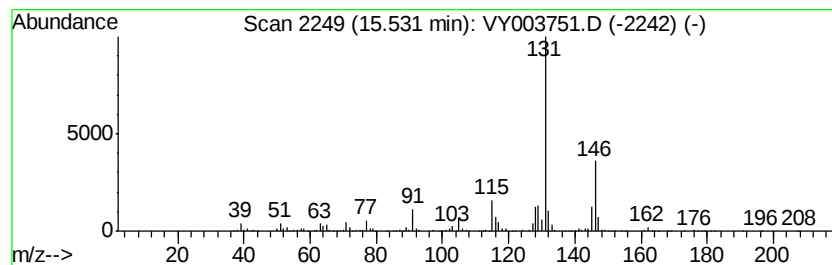
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Quant Title : VOC Analysis

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

Peak Number 39 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.53	33.90 ug/L	704399	1,4-Dichlorobenzene-d4	13.43

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-4,7-dimet...	146	C11H14	006682-71-9	95
3		1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	94
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:\voasrv\HPCHEM1\MSVOA Y\Data\VY121420\
Data File : VY003751.D
Acq On : 14 Dec 2020 16:32
Operator : SY/MD
Sample : L5063-01
Misc : 4.34G/10ML/MSVOA Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD5

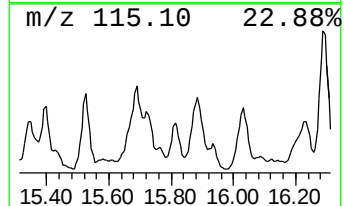
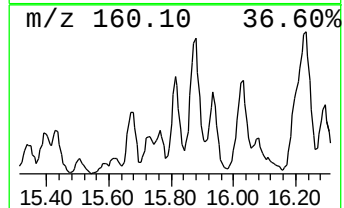
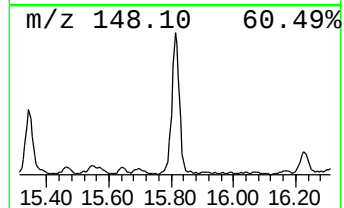
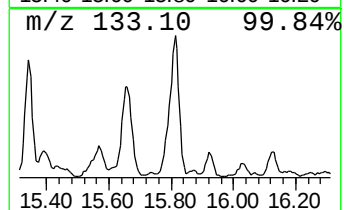
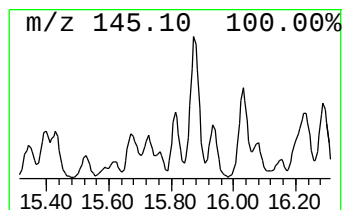
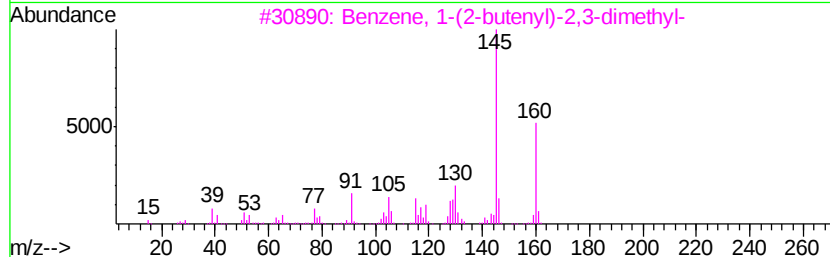
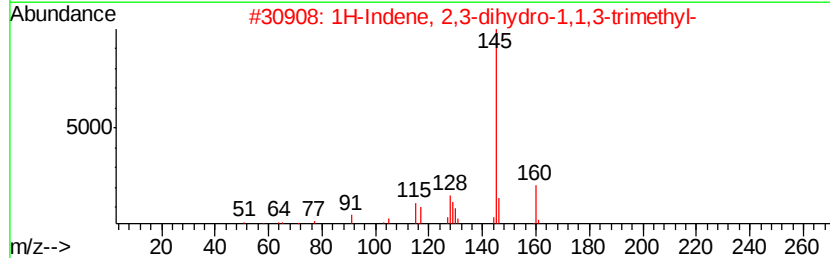
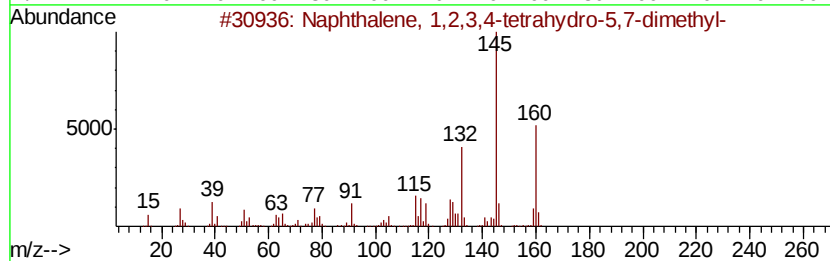
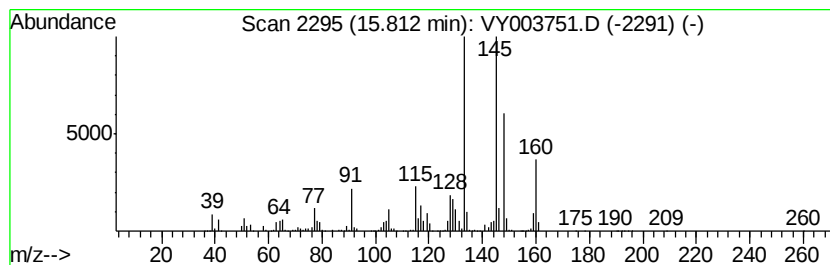
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Quant Title : VOC Analysis

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

Peak Number 40 Naphthalene, 1,2,3,4-tetra... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.81	20.11 ug/L	417834	1,4-Dichlorobenzene-d4	13.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021693-54-9	70
2		1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	64
3		Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	60
4		Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	60
5		Phenol, 2-methyl-6-(2-propenyl)-	148	C10H12O	003354-58-3	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121420\
Data File : VY003751.D
Acq On : 14 Dec 2020 16:32
Operator : SY/MD
Sample : L5063-01
Misc : 4.34G/10ML/MSVOA Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD5

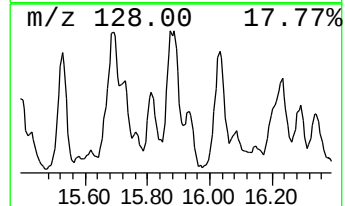
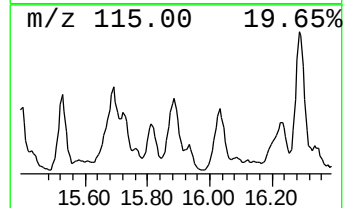
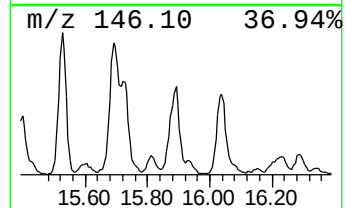
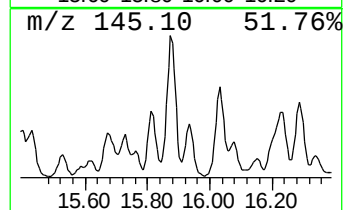
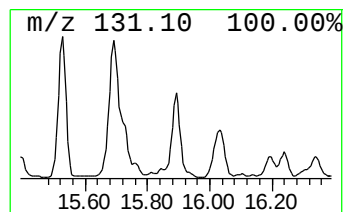
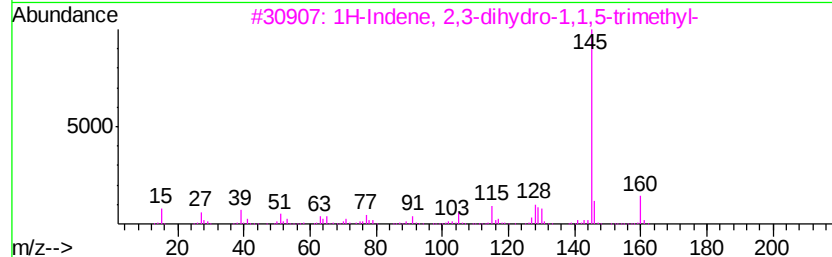
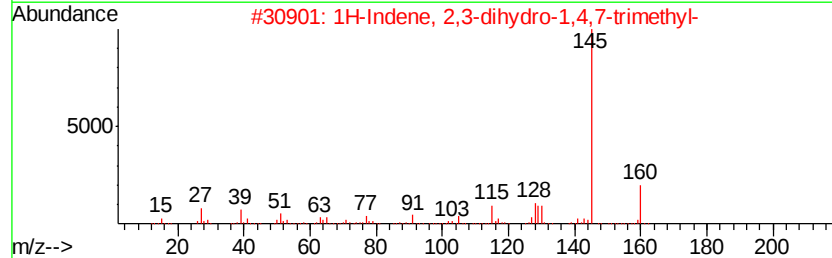
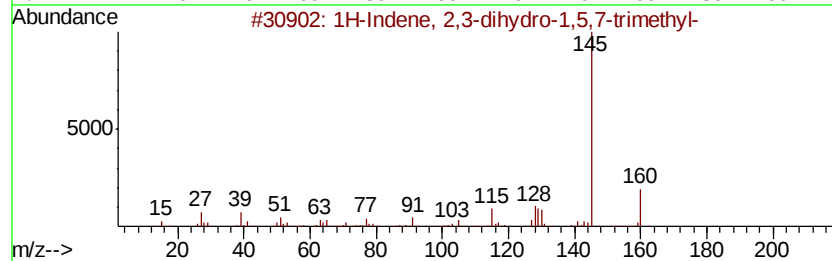
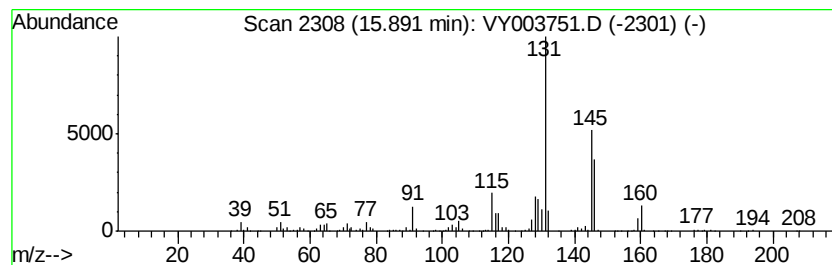
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Quant Title : VOC Analysis

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

Peak Number 41 1H-Indene, 2,3-dihydro-1,5,... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.89	31.36 ug/L	651731	1,4-Dichlorobenzene-d4	13.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-1,5,7-tri...	160	C12H16	054340-88-4	64
2		1H-Indene, 2,3-dihydro-1,4,7-tri...	160	C12H16	054340-87-3	60
3		1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	60
4		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	49
5		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001985-59-7	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121420\
Data File : VY003751.D
Acq On : 14 Dec 2020 16:32
Operator : SY/MD
Sample : L5063-01
Misc : 4.34G/10ML/MSVOA Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD5

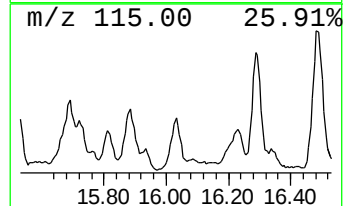
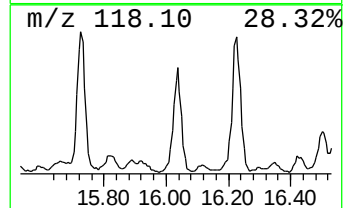
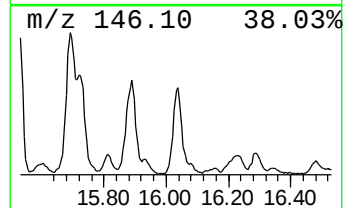
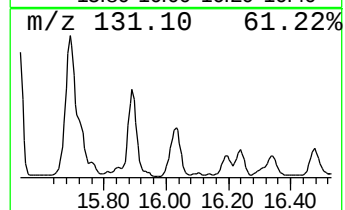
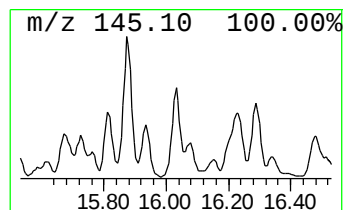
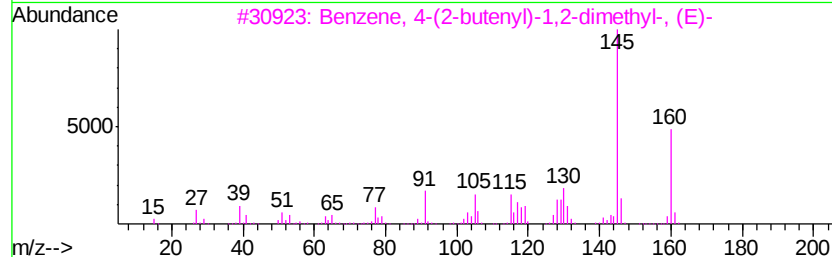
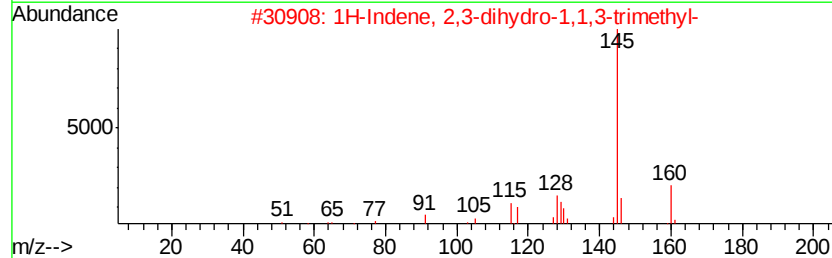
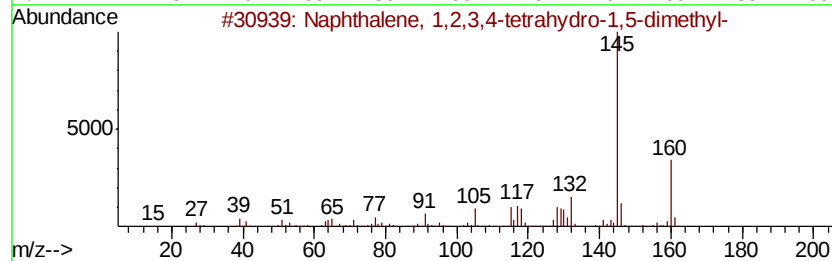
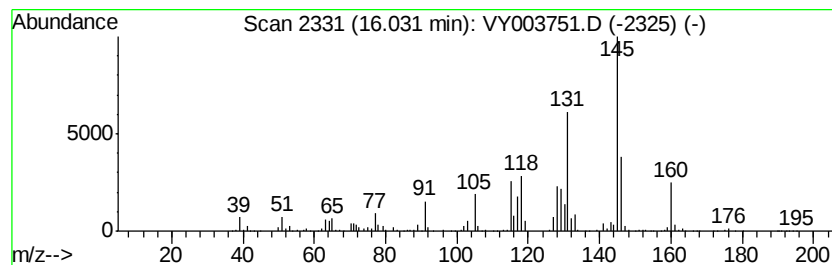
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Quant Title : VOC Analysis

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

Peak Number 42 Naphthalene, 1,2,3,4-tetra... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.03	28.72 ug/L	596803	1,4-Dichlorobenzene-d4	13.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	76
2		1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	70
3		Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	70
4		1H-Indene, 2,3-dihydro-1,5,7-tri...	160	C12H16	054340-88-4	64
5		1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA Y\Data\VY121420\
Data File : VY003751.D
Acq On : 14 Dec 2020 16:32
Operator : SY/MD
Sample : L5063-01
Misc : 4.34G/10ML/MSVOA Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD5

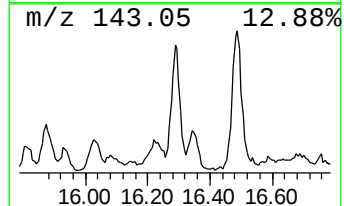
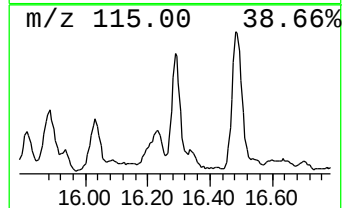
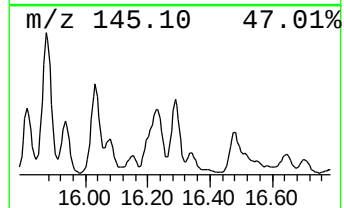
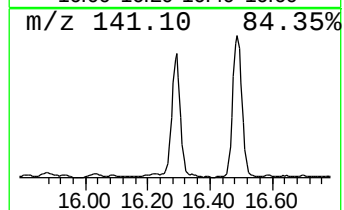
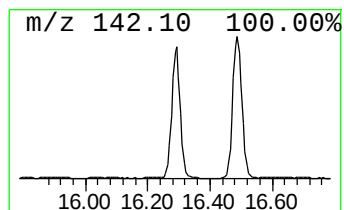
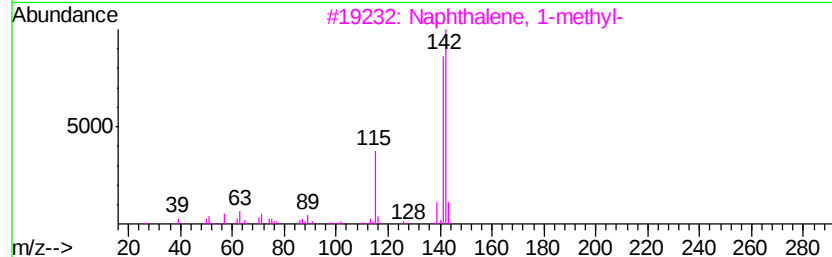
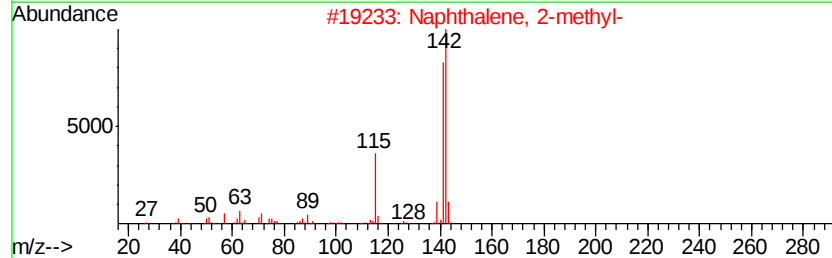
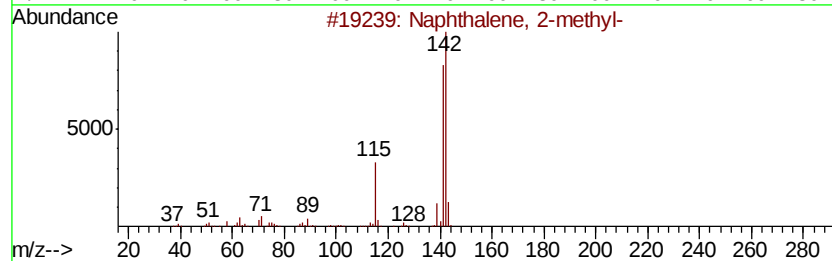
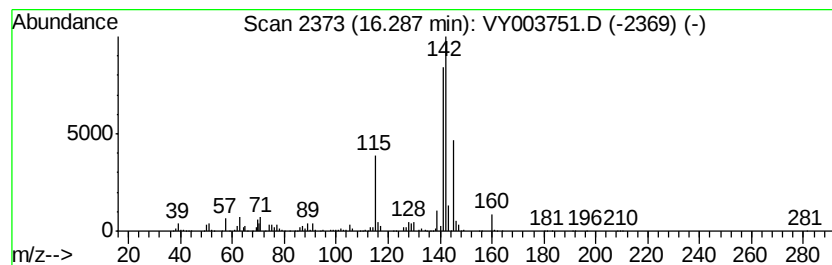
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Quant Title : VOC Analysis

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

Peak Number 43 Naphthalene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.29	25.83 ug/L	536737	1,4-Dichlorobenzene-d4	13.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
4		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	89
5		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	89



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121420\
 Data File : VY003751.D
 Acq On : 14 Dec 2020 16:32
 Operator : SY/MD
 Sample : L5063-01
 Misc : 4.34G/10ML/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 C0AD5

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: Str...	12.64	4.4	ug/L	91048	3	13.43	519504	25.0
Benzene, 1,2,3-tr...	12.81	11.3	ug/L	234575	3	13.43	519504	25.0
Benzene, 1-ethyl-...	12.97	7.3	ug/L	152360	3	13.43	519504	25.0
Benzene, 1,2,4-tr...	13.12	12.3	ug/L	255649	3	13.43	519504	25.0
p-Cymene	13.31	4.9	ug/L	101207	3	13.43	519504	25.0
Benzene, 1-ethyl-...	13.66	16.4	ug/L	340275	3	13.43	519504	25.0
Benzene, 2-ethyl-...	13.89	11.3	ug/L	234059	3	13.43	519504	25.0
Benzene, 4-ethyl-...	13.92	9.7	ug/L	201685	3	13.43	519504	25.0
o-Cymene	13.97	17.7	ug/L	366968	3	13.43	519504	25.0
Benzene, (2-methy...	14.08	20.7	ug/L	430208	3	13.43	519504	25.0
Benzene, 2-ethyl-...	14.21	8.7	ug/L	180688	3	13.43	519504	25.0
Benzene, 1,2,4,5-...	14.29	14.3	ug/L	297109	3	13.43	519504	25.0
Benzene, 1-ethyl-...	14.33	24.7	ug/L	513345	3	13.43	519504	25.0
Benzene, 1,3-diet...	14.38	8.7	ug/L	179773	3	13.43	519504	25.0
unknown-01	14.42	9.5	ug/L	197941	3	13.43	519504	25.0
1H-Indene, 2,3-di...	14.52	7.3	ug/L	151336	3	13.43	519504	25.0
Benzene, 2-etheny...	14.56	12.9	ug/L	268970	3	13.43	519504	25.0
Benzene, 1-methyl...	14.61	11.8	ug/L	245541	3	13.43	519504	25.0
1,3-Cyclopentadie...	14.67	76.8	ug/L	1596740	3	13.43	519504	25.0
Benzene, (1,1-dim...	14.74	8.4	ug/L	174882	3	13.43	519504	25.0
Naphthalene, 1,2,...	14.84	4.0	ug/L	83225	3	13.43	519504	25.0
Benzene, pentamet...	14.95	34.0	ug/L	705972	3	13.43	519504	25.0
1H-Indene, 2,3-di...	15.06	54.0	ug/L	1122360	3	13.43	519504	25.0
1H-Indene, 2,3-di...	15.20	13.1	ug/L	272732	3	13.43	519504	25.0
Naphthalene, 1,2,...	15.29	9.1	ug/L	188336	3	13.43	519504	25.0
unknown-02	15.34	18.2	ug/L	378170	3	13.43	519504	25.0
1H-Indene, 2,3-di...	15.53	33.9	ug/L	704399	3	13.43	519504	25.0
Naphthalene, 1,2,...	15.81	20.1	ug/L	417834	3	13.43	519504	25.0
1H-Indene, 2,3-di...	15.89	31.4	ug/L	651731	3	13.43	519504	25.0
Naphthalene, 1,2,...	16.03	28.7	ug/L	596803	3	13.43	519504	25.0
Naphthalene, 1-me...	16.29	25.8	ug/L	536737	3	13.43	519504	25.0