

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW111520\
 Data File : VW017238.D
 Acq On : 15 Nov 2020 15:16
 Operator : SY/VA
 Sample : L4727-09
 Misc : 5.11G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 C0AC3

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_W\METHOD\SOM2WLM110420S.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	2.154	39	41	43	rBV2	706	779	0.001%	0.001%
2	2.355	67	74	83	rBV	74533	132090	1.45%	0.168%
3	2.892	154	162	175	rBV	53860	135753	1.49%	0.172%
4	3.190	209	211	213	rVB2	554	404	0.00%	0.001%
5	3.385	240	243	244	rVV	347	408	0.00%	0.001%
6	3.404	244	246	249	rVB3	515	427	0.00%	0.001%
7	3.507	259	263	264	rBV2	464	502	0.01%	0.001%
8	3.538	264	268	271	rVV2	444	846	0.01%	0.001%
9	3.568	271	273	275	rVV2	411	501	0.01%	0.001%
10	3.593	275	277	279	rVV2	371	401	0.00%	0.001%
11	3.721	297	298	303	rBV	292	503	0.01%	0.001%
12	3.843	314	318	320	rBV2	315	402	0.00%	0.001%
13	4.019	337	347	361	rBV	126387	355863	3.89%	0.452%
14	4.135	361	366	373	rVB3	2162	5449	0.06%	0.007%
15	4.391	398	408	409	rBV2	1567	3330	0.04%	0.004%
16	4.928	485	496	509	rVB3	10469	34876	0.38%	0.044%
17	5.135	521	530	532	rBV2	546	1256	0.01%	0.002%
18	5.952	653	664	674	rBV8	2486	7565	0.08%	0.010%
19	6.903	815	820	822	rBV3	554	725	0.01%	0.001%
20	7.086	840	850	855	rBV	25368	73868	0.81%	0.094%
21	7.141	855	859	873	rVB2	24474	63422	0.69%	0.081%
22	7.561	925	928	929	rVB2	433	430	0.00%	0.001%
23	7.653	932	943	954	rVV	178206	436688	4.78%	0.555%
24	7.958	988	993	998	rVV3	837	1696	0.02%	0.002%
25	8.281	1032	1046	1063	rBV2	333095	1007471	11.02%	1.279%
26	8.695	1110	1114	1116	rBV2	357	437	0.00%	0.001%
27	8.848	1130	1139	1149	rBV	330999	673034	7.36%	0.855%
28	9.079	1172	1177	1183	rBV5	1253	2391	0.03%	0.003%
29	9.275	1201	1209	1225	rBV	206689	435764	4.77%	0.553%
30	9.610	1260	1264	1269	rBV2	528	813	0.01%	0.001%
31	9.671	1269	1274	1277	rBV3	654	1124	0.01%	0.001%
32	9.762	1282	1289	1296	rVB2	6715	13443	0.15%	0.017%
33	9.896	1302	1311	1318	rBV	14960	30827	0.34%	0.039%
34	10.037	1324	1334	1349	rBV	112445	207510	2.27%	0.264%

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Integration Parameters: LSCINT.P

Integrator: RTE
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Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Title : VOC Analysis

35	10.213	1356	1363	1366	rBV5	4243	7695	0.08%	0.010%
36	10.250	1367	1369	1374	rVB2	4513	5946	0.07%	0.008%
37	10.329	1374	1382	1389	rBV	399034	725118	7.93%	0.921%
38	10.390	1389	1392	1402	rVB	6662	12393	0.14%	0.016%
39	10.518	1404	1413	1417	rVB9	4416	11574	0.13%	0.015%
40	10.579	1417	1423	1429	rBV	65918	118292	1.29%	0.150%
41	10.671	1434	1438	1440	rVV2	8894	15790	0.17%	0.020%
42	10.707	1440	1444	1449	rVV	24343	41177	0.45%	0.052%
43	10.768	1450	1454	1459	rVB7	5191	10277	0.11%	0.013%
44	10.927	1473	1480	1489	rBV	99056	170326	1.86%	0.216%
45	11.067	1498	1503	1507	rBV	19519	29685	0.32%	0.038%
46	11.110	1507	1510	1513	rBV3	3836	5531	0.06%	0.007%
47	11.146	1513	1516	1519	rVV4	4420	5847	0.06%	0.007%
48	11.232	1525	1530	1536	rVB	29459	51483	0.56%	0.065%
49	11.293	1536	1540	1543	rBV5	4786	6358	0.07%	0.008%
50	11.335	1543	1547	1552	rVB5	13030	20630	0.23%	0.026%
51	11.378	1552	1554	1558	rVB4	3713	4943	0.05%	0.006%
52	11.439	1558	1564	1572	rVB	40715	73437	0.80%	0.093%
53	11.512	1573	1576	1578	rBV2	1910	2427	0.03%	0.003%
54	11.555	1580	1583	1588	rBV7	2527	4421	0.05%	0.006%
55	11.634	1589	1596	1606	rBV	328456	565571	6.19%	0.718%
56	11.731	1608	1612	1614	rBV3	13057	19798	0.22%	0.025%
57	11.768	1615	1618	1622	rVB2	25365	33333	0.36%	0.042%
58	11.829	1622	1628	1632	rBV5	20794	55248	0.60%	0.070%
59	11.878	1633	1636	1647	rVB4	39705	119035	1.30%	0.151%
60	11.975	1647	1652	1658	rBV3	18003	38346	0.42%	0.049%
61	12.042	1659	1663	1670	rVB	16825	30384	0.33%	0.039%
62	12.140	1671	1679	1687	rBV5	65030	198058	2.17%	0.251%
63	12.365	1701	1716	1722	rBV3	116760	423957	4.64%	0.538%
64	12.609	1752	1756	1762	rVB3	64285	119955	1.31%	0.152%
65	12.695	1763	1770	1776	rBV2	169368	362893	3.97%	0.461%
66	12.780	1780	1784	1791	rVB2	234536	431708	4.72%	0.548%
67	12.865	1792	1798	1801	rBV6	93504	194524	2.13%	0.247%
68	12.945	1805	1811	1824	rVB	1190440	2114869	23.14%	2.686%
69	13.103	1830	1837	1845	rVB	671607	1182890	12.94%	1.502%
70	13.256	1856	1862	1866	rBV	505376	820370	8.98%	1.042%
71	13.384	1879	1883	1887	rVB2	151580	228574	2.50%	0.290%

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72	13.445	1888	1893	1897	rBV	326307	517824	5.67%	0.658%
73	13.585	1909	1916	1921	rVB2	318073	608751	6.66%	0.773%
74	13.701	1931	1935	1939	rBV3	146526	281756	3.08%	0.358%
75	13.755	1939	1944	1946	rBV3	648645	1020320	11.16%	1.296%
76	13.786	1946	1949	1956	rVB	1232942	1951582	21.35%	2.478%
77	13.877	1960	1964	1970	rVB3	619105	1114014	12.19%	1.415%
78	13.951	1971	1976	1981	rBV	578016	943060	10.32%	1.198%
79	14.012	1981	1986	1988	rBV	1104371	1587682	17.37%	2.016%
80	14.097	1996	2000	2006	rVB	1447415	2206881	24.14%	2.802%
81	14.158	2007	2010	2013	rBV	266450	407217	4.46%	0.517%
82	14.207	2013	2018	2023	rVV2	1639286	2730187	29.87%	3.467%
83	14.255	2023	2026	2034	rVB3	345616	834788	9.13%	1.060%
84	14.341	2035	2040	2044	rBV2	563505	963560	10.54%	1.224%
85	14.383	2044	2047	2050	rVV2	594669	967773	10.59%	1.229%
86	14.420	2050	2053	2056	rVV	1476802	2290308	25.06%	2.908%
87	14.457	2056	2059	2064	rVV	2900598	4239262	46.38%	5.383%
88	14.505	2064	2067	2070	rVV	567917	784768	8.59%	0.997%
89	14.548	2070	2074	2081	rVB3	1002114	1962740	21.47%	2.492%
90	14.688	2093	2097	2101	rBV2	819789	1224304	13.39%	1.555%
91	14.731	2101	2104	2109	rVB	920154	1325547	14.50%	1.683%
92	14.792	2109	2114	2122	rBV2	3894555	9140542	100.00%	11.607%
93	14.859	2122	2125	2138	rVB3	682721	1410744	15.43%	1.791%
94	14.963	2138	2142	2150	rBV3	550666	1338900	14.65%	1.700%
95	15.066	2154	2159	2163	rBV3	2109542	4116378	45.03%	5.227%
96	15.176	2172	2177	2184	rVB2	2425137	5378121	58.84%	6.829%
97	15.426	2214	2218	2221	rBV2	608210	1043482	11.42%	1.325%
98	15.658	2251	2256	2263	rVB	1453483	2680575	29.33%	3.404%
99	16.444	2379	2385	2399	rVB2	3331492	7650038	83.69%	9.714%
100	16.645	2411	2418	2431	rVB2	2419048	6135805	67.13%	7.791%

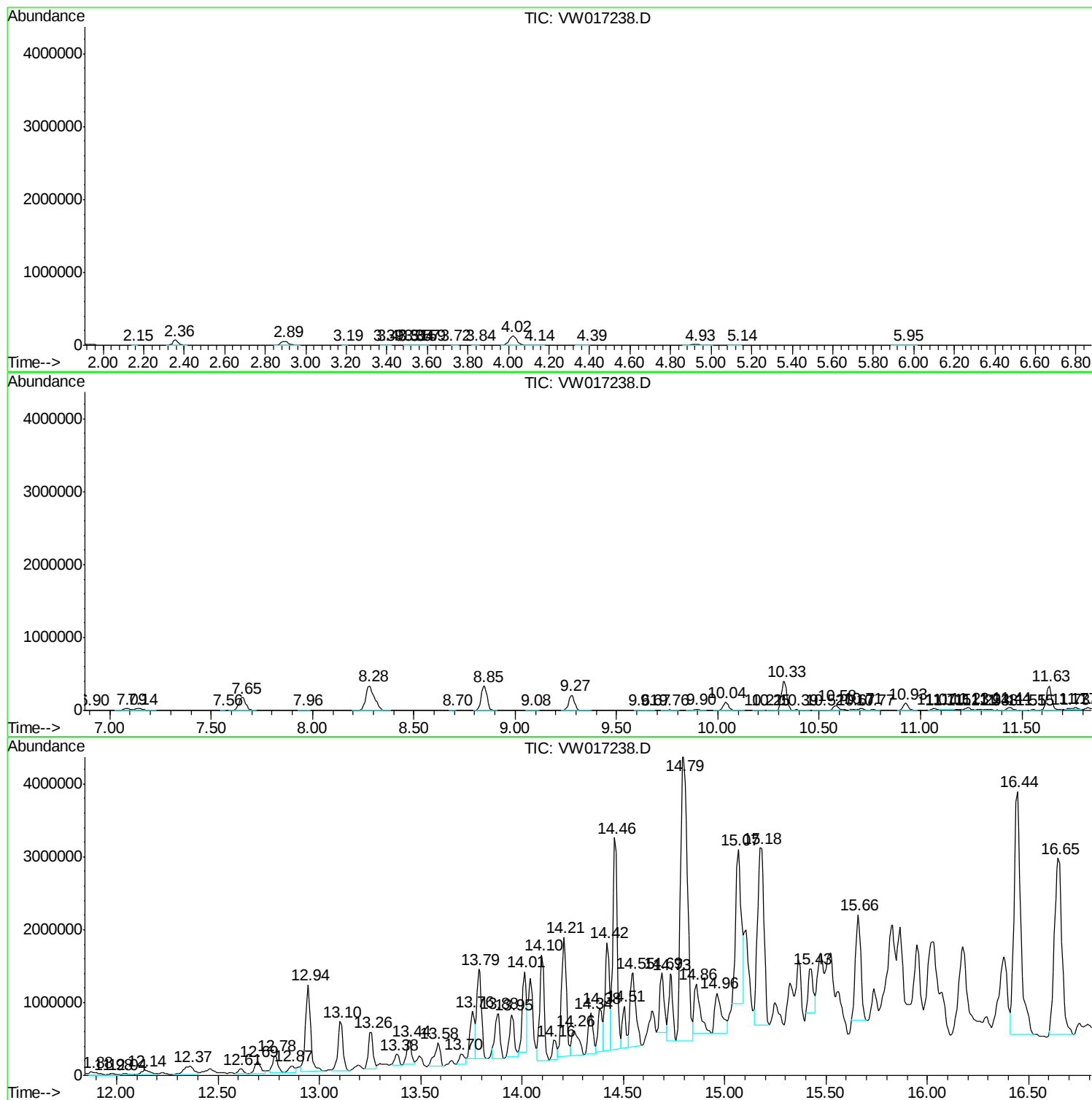
Sum of corrected areas: 78750770

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Instrument :
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ClientSampleId :
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis

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



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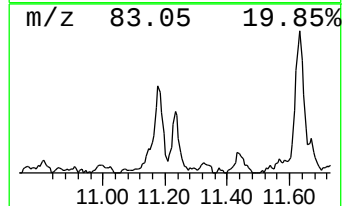
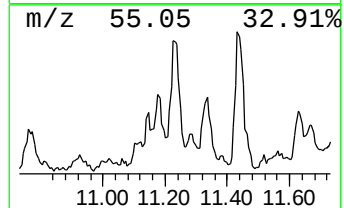
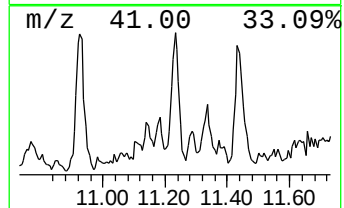
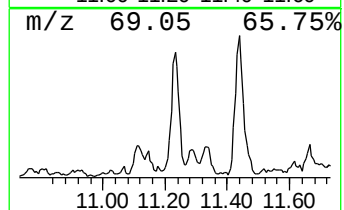
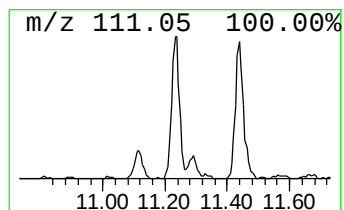
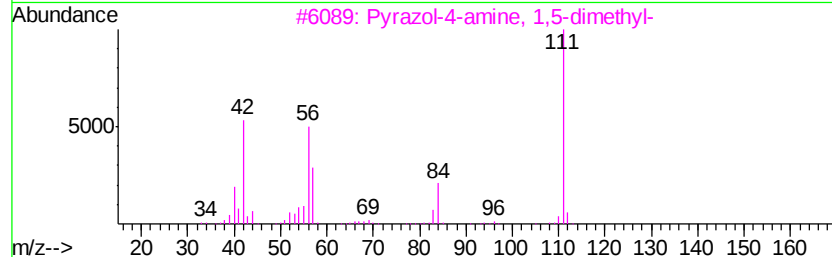
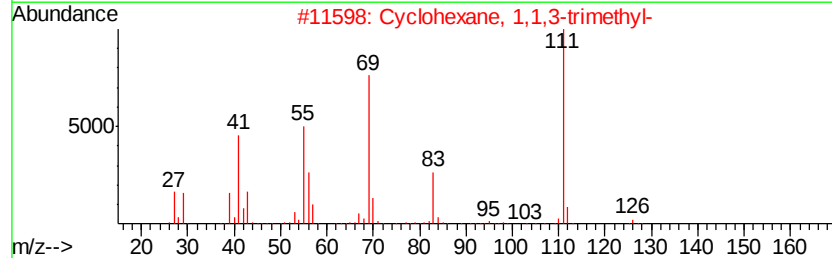
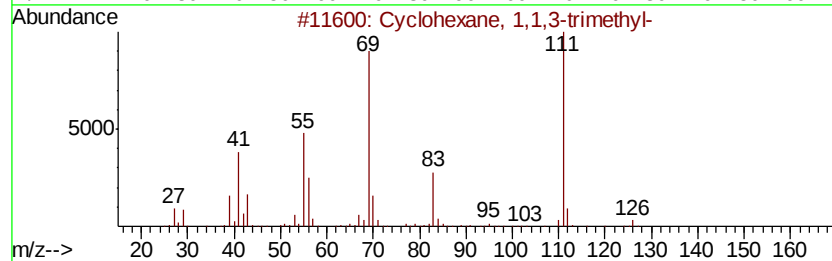
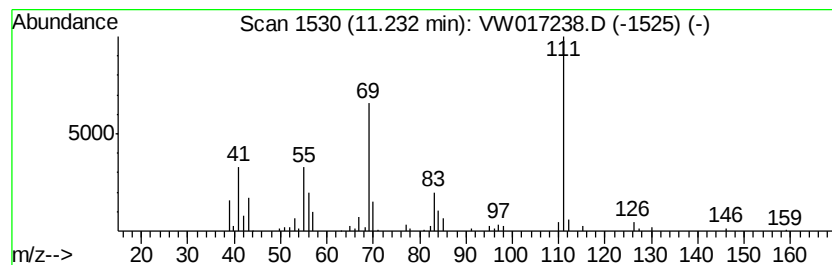
Instrument :
MSVOA_W
ClientSampleId :
C0AC3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis

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

Peak Number 5 (DEL) Alkane: Cyclic11.23 Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.23	2.28 ug/L	51483	Chlorobenzene-d5	11.63	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cvclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	80
2	Cvclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	64
3	Pyrazol-4-amine, 1,5-dimethyl-	111	C5H9N3	121983-36-6	53
4	Acetamide, N-(2-fluorophenyl)-	153	C8H8FN0	000399-31-5	53
5	p-Fluoroaniline	111	C6H6FN	000371-40-4	50



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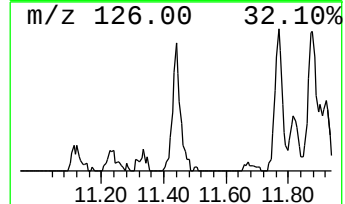
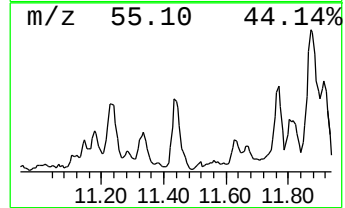
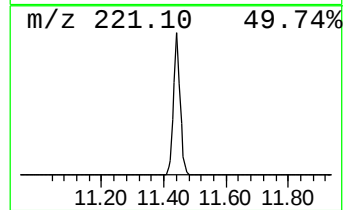
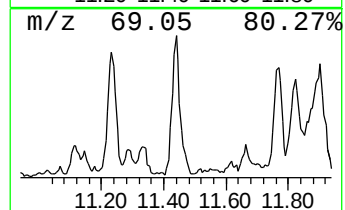
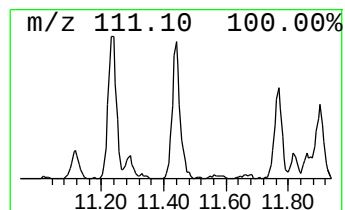
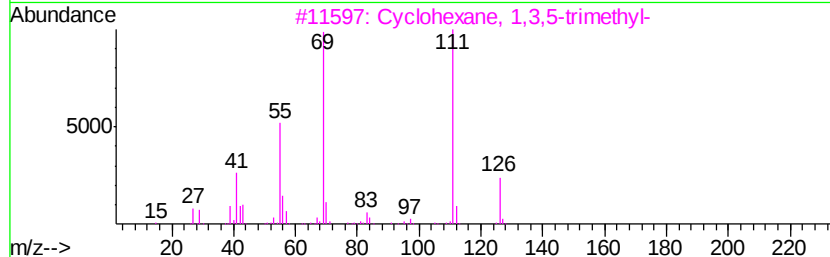
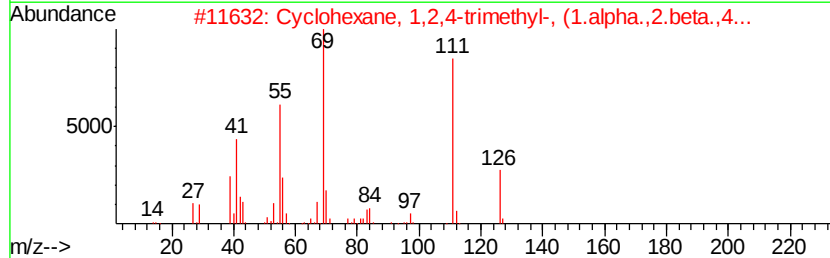
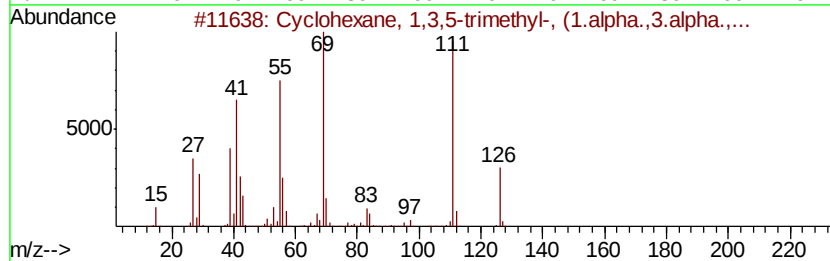
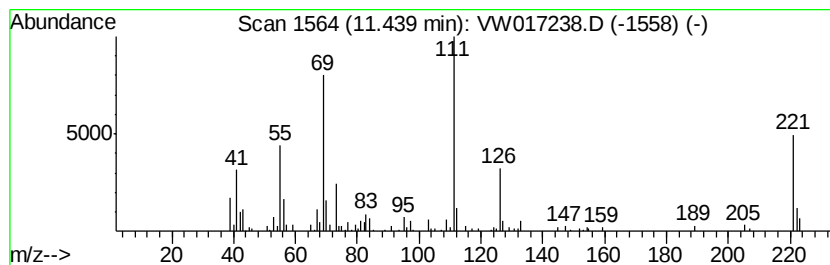
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Quant Title : VOC Analysis

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

Peak Number 6 (DEL) Alkane: Cyclic11.44 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.44	3.25 ug/L	73437	Chlorobenzene-d5	11.63		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	70
2		Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	70
3		Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	70
4		Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	70
5		Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	62



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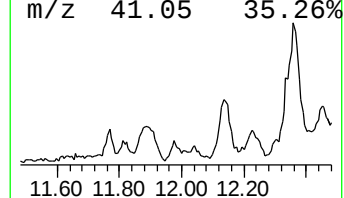
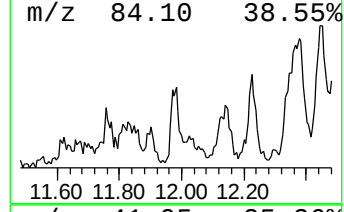
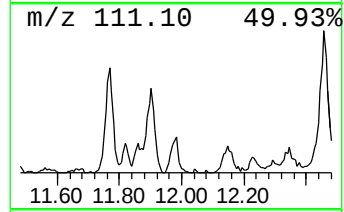
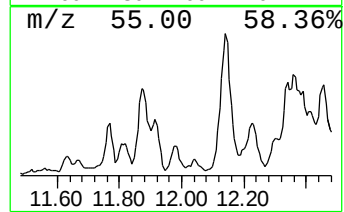
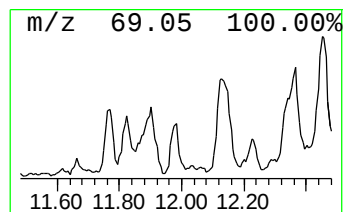
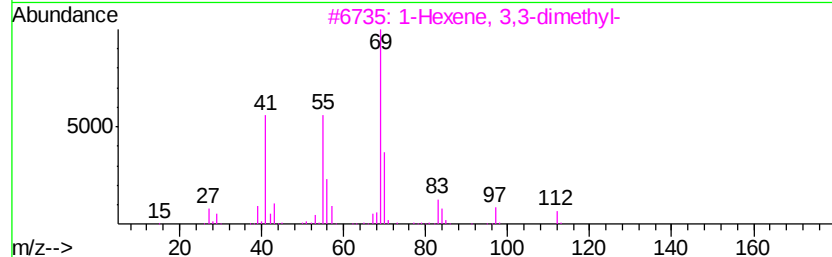
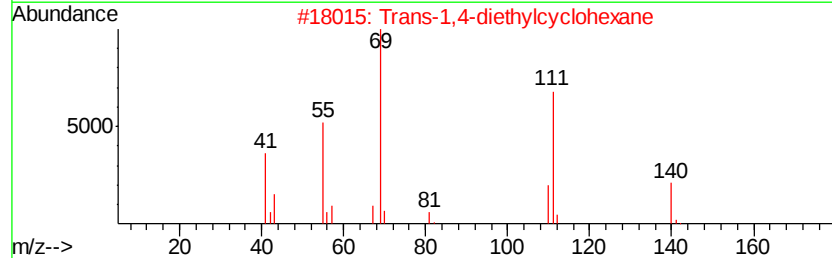
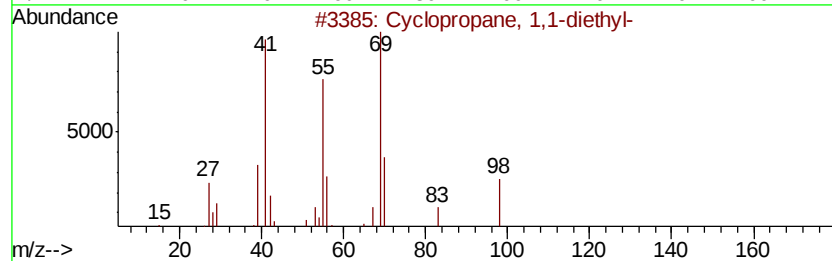
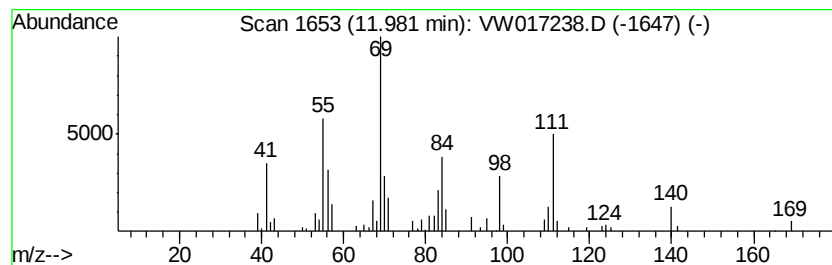
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Quant Title : VOC Analysis

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

Peak Number 7 (DEL) Alkane: Cyclic11.98 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.98	1.70 ug/L	38346	Chlorobenzene-d5	11.63		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cvclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	49
2		Trans-1,4-diethylcyclohexane	140	C10H20	013990-93-7	49
3		1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	46
4		Cyclopentane, propyl-	112	C8H16	002040-96-2	45
5		2-Hexene, 3-methyl-, (Z)-	98	C7H14	010574-36-4	45



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW111520\
 Data File : VW017238.D
 Acq On : 15 Nov 2020 15:16
 Operator : SY/VA
 Sample : L4727-09
 Misc : 5.11G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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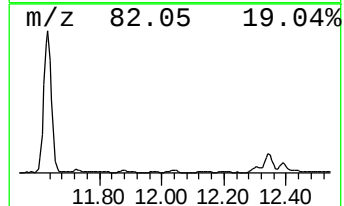
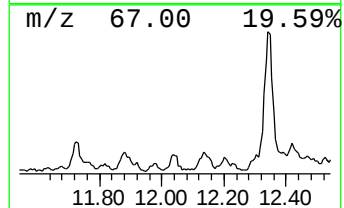
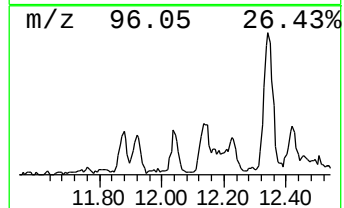
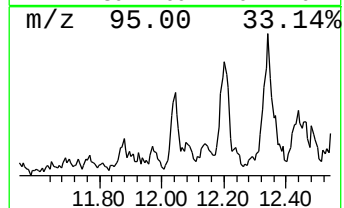
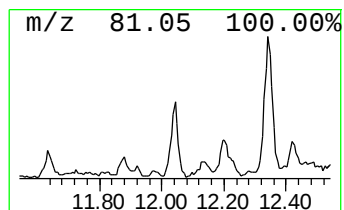
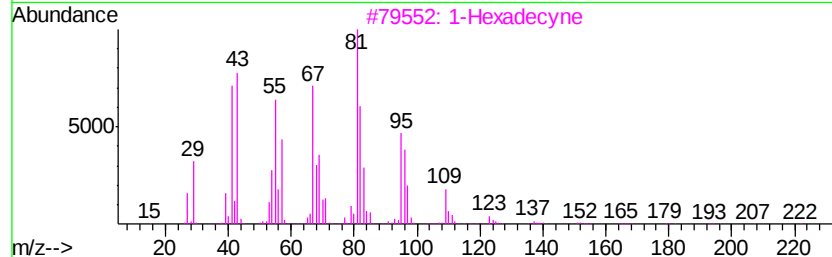
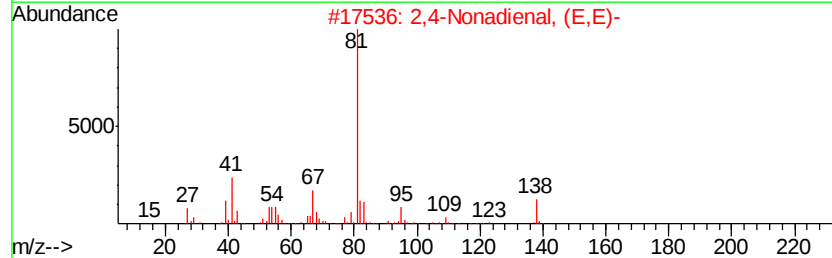
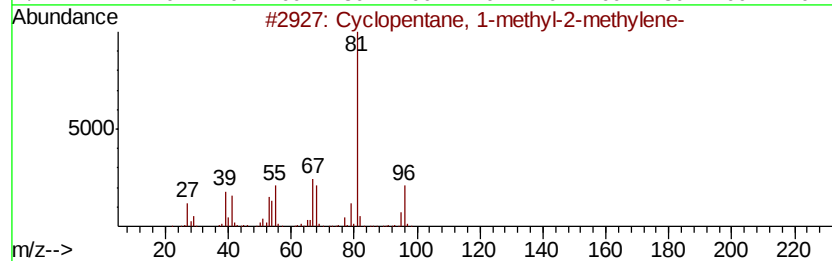
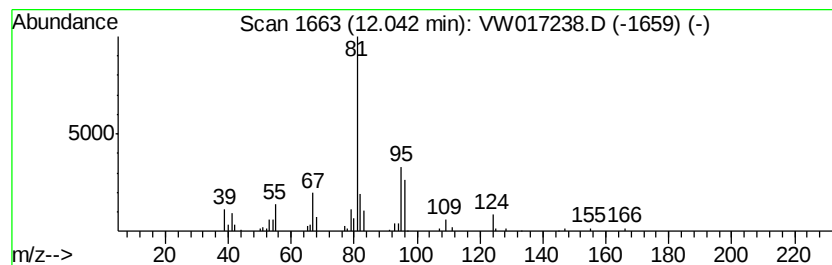
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 Quant Title : VOC Analysis

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

 Peak Number 8 Cyclopentane, 1-methyl-2-me... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	1.34 ug/L	30384	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1-methyl-2-methylene-	96	C7H12	041158-41-2	53
2		2,4-Nonadienal, (E,E)-	138	C9H14O	005910-87-2	50
3		1-Hexadecyne	222	C16H30	000629-74-3	50
4		1-Decyne	138	C10H18	000764-93-2	42
5		4-Ethylcyclohexene	110	C8H14	003742-42-5	42



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW111520\
Data File : VW017238.D
Acq On : 15 Nov 2020 15:16
Operator : SY/VA
Sample : L4727-09
Misc : 5.11G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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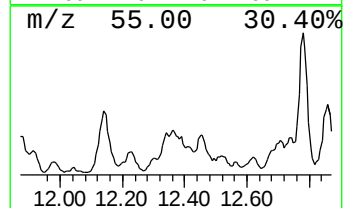
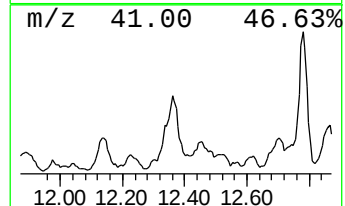
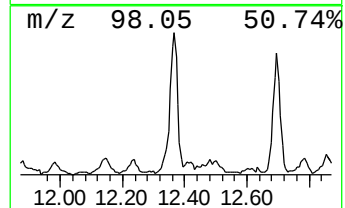
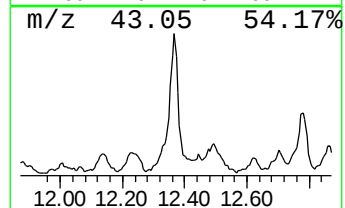
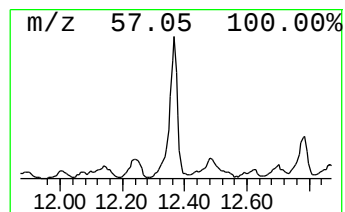
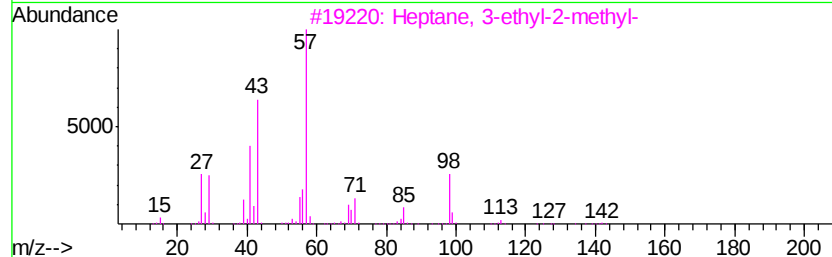
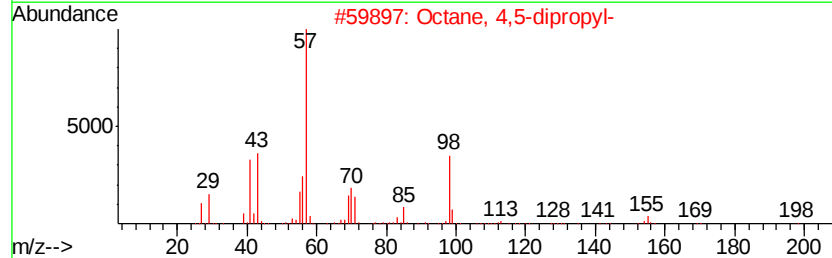
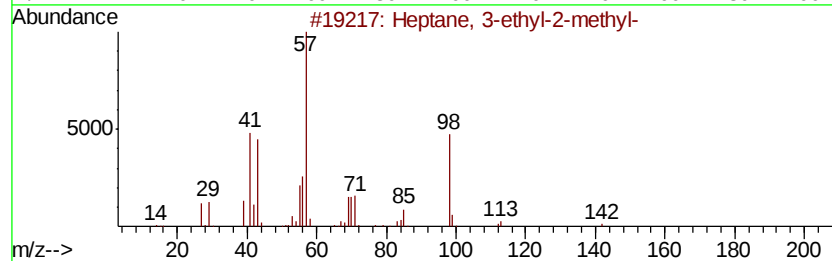
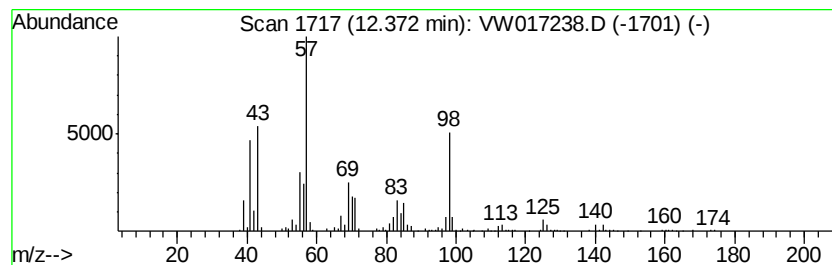
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Quant Title : VOC Analysis

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

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	18.74 ug/L	423957	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	87
2		Octane, 4,5-dipropyl-	198	C14H30	020905-05-9	72
3		Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	59
4		Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	47
5		Heptane, 3-ethyl-	128	C9H20	015869-80-4	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW111520\
Data File : VW017238.D
Acq On : 15 Nov 2020 15:16
Operator : SY/VA
Sample : L4727-09
Misc : 5.11G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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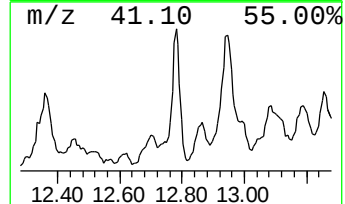
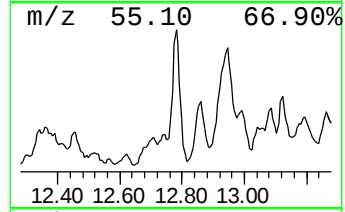
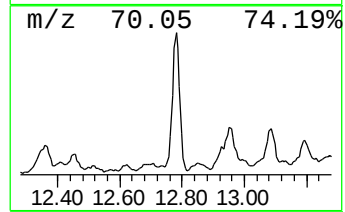
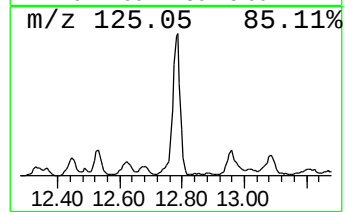
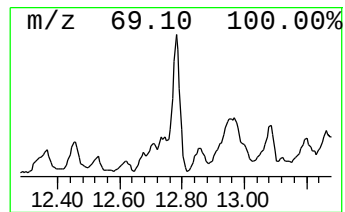
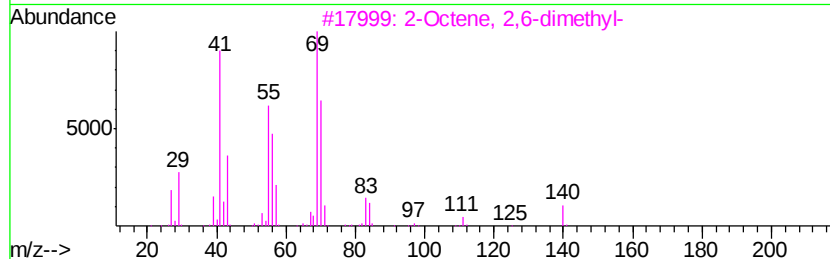
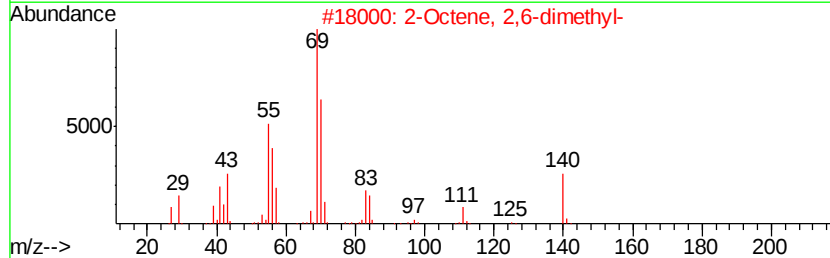
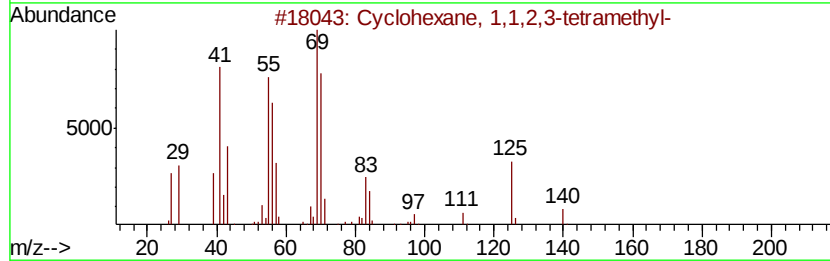
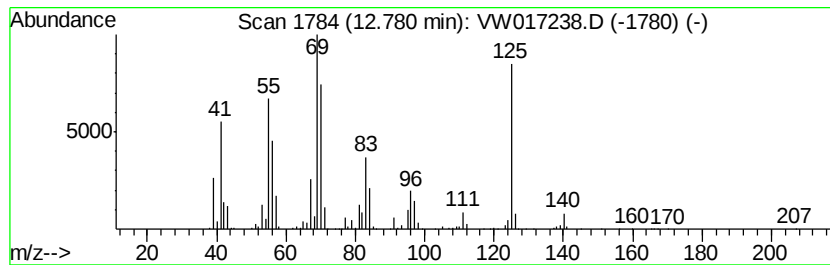
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Quant Title : VOC Analysis

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

Peak Number 11 (DEL) Alkane: Cyclic12.78 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	17.73 ug/L	431708	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	58
2		2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	55
3		2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	49
4		4-Octene, 2,6-dimethyl-, [S-(Z)]-	140	C10H20	062960-77-4	47
5		trans-3-Decene	140	C10H20	019150-21-1	41



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW111520\
Data File : VW017238.D
Acq On : 15 Nov 2020 15:16
Operator : SY/VA
Sample : L4727-09
Misc : 5.11G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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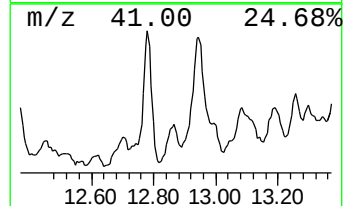
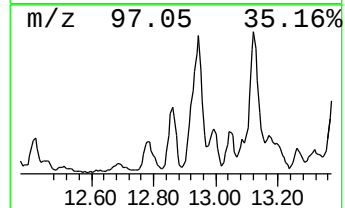
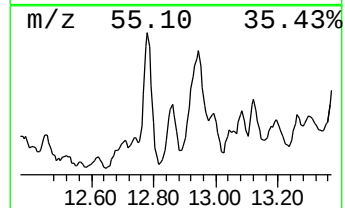
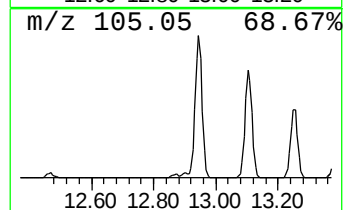
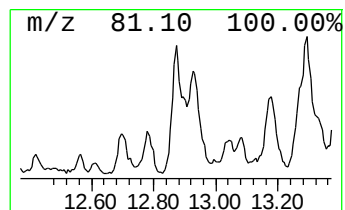
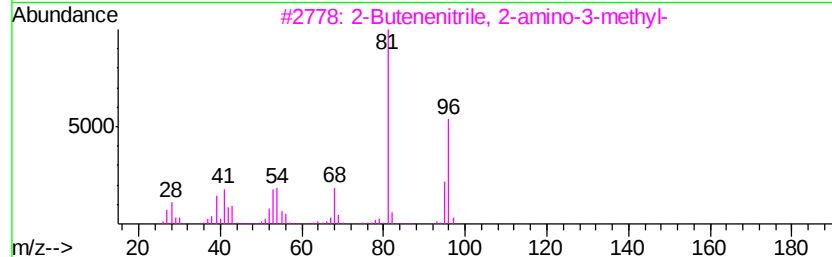
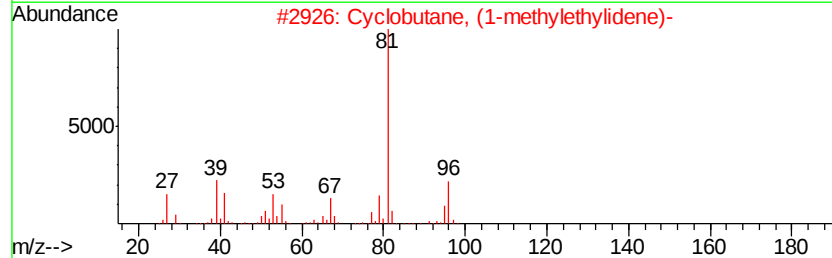
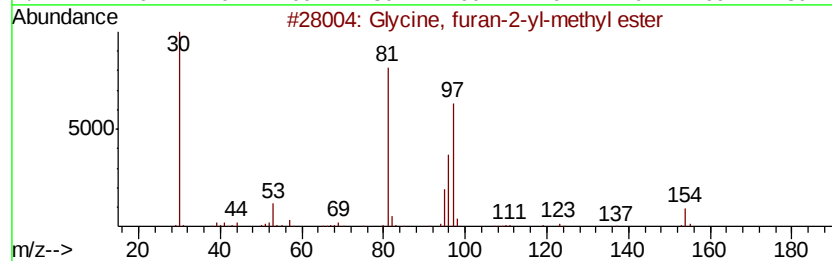
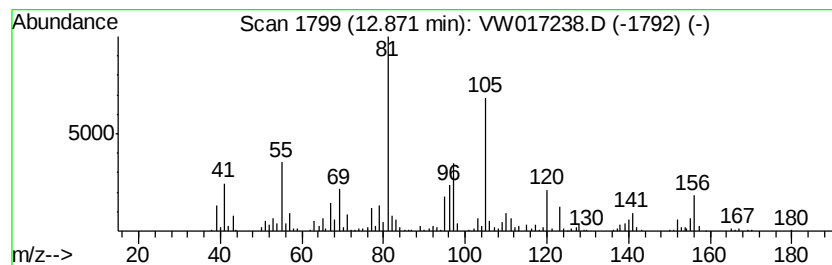
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Quant Title : VOC Analysis

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

Peak Number 12 Glycine, furan-2-yl-methyl ... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	7.99 ug/L	194524	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Glycine, furan-2-yl-methyl ester	155	C7H9NO3	1000306-78-7	50
2		Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	38
3		2-Butenenitrile, 2-amino-3-methyl-	96	C5H8N2	1000196-28-0	38
4		4-Ethylcyclohexanol	128	C8H16O	004534-74-1	35
5		Furan, 2-ethyl-	96	C6H8O	003208-16-0	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW111520\
Data File : VW017238.D
Acq On : 15 Nov 2020 15:16
Operator : SY/VA
Sample : L4727-09
Misc : 5.11G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
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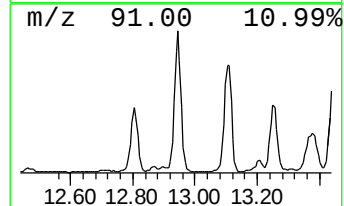
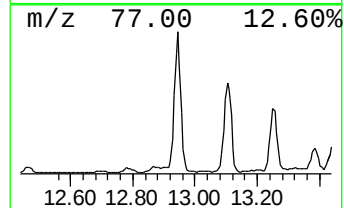
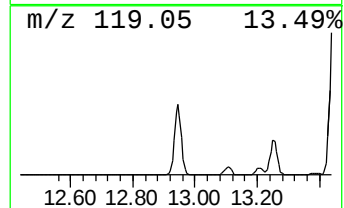
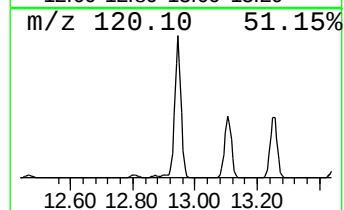
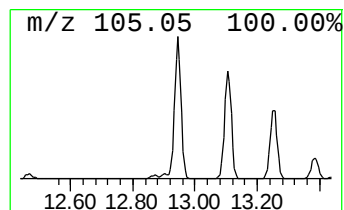
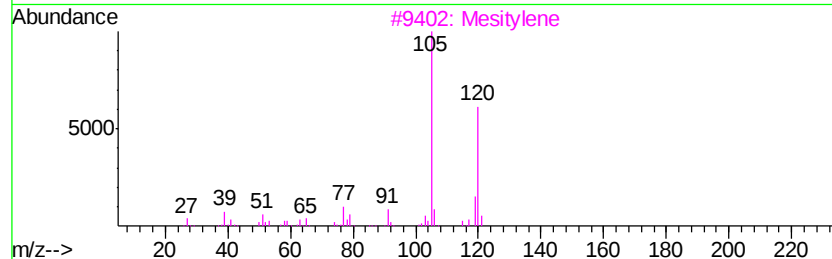
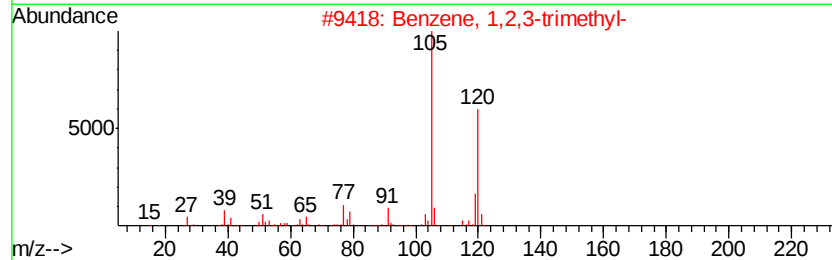
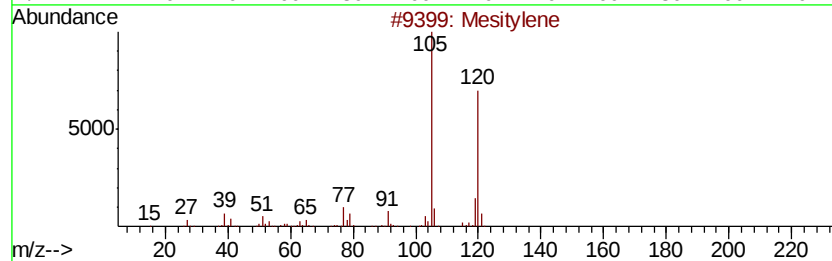
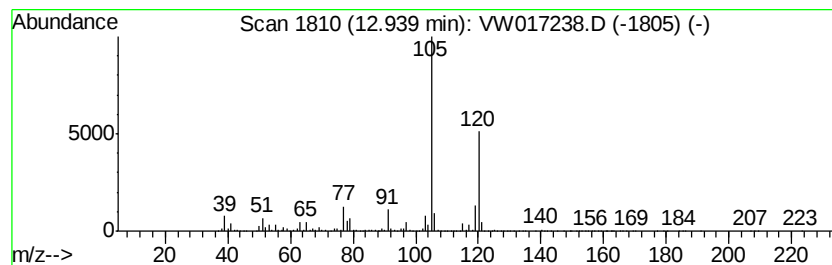
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Quant Title : VOC Analysis

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

Peak Number 13 Mesitylene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	86.85 ug/L	2114870	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Mesitylene	120	C9H12	000108-67-8	97
2		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
3		Mesitylene	120	C9H12	000108-67-8	97
4		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
5		Mesitylene	120	C9H12	000108-67-8	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW111520\
Data File : VW017238.D
Acq On : 15 Nov 2020 15:16
Operator : SY/VA
Sample : L4727-09
Misc : 5.11G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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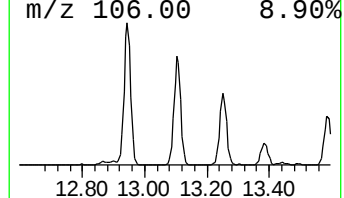
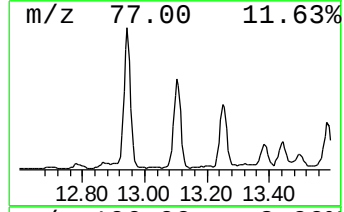
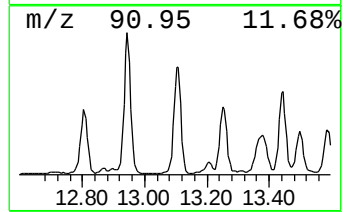
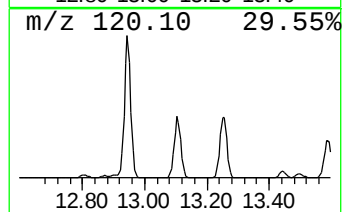
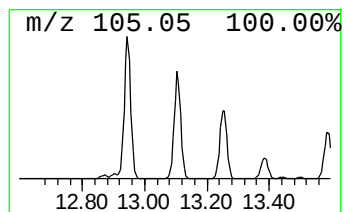
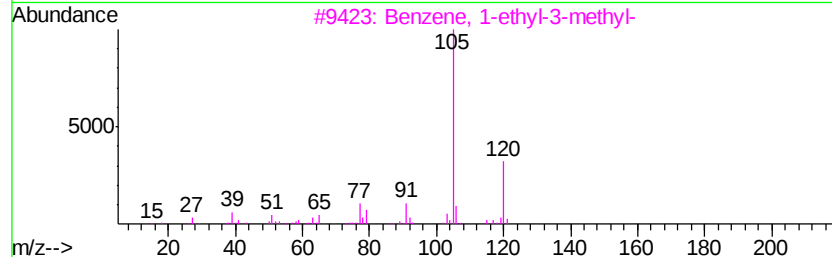
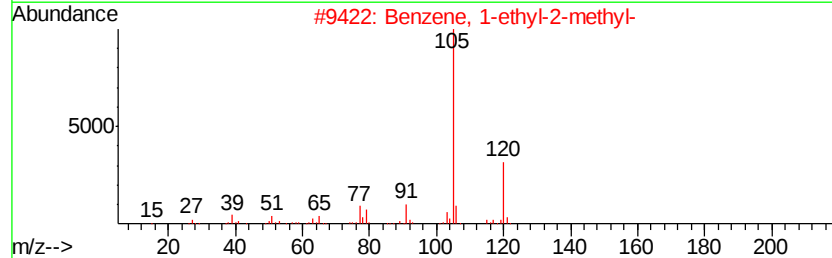
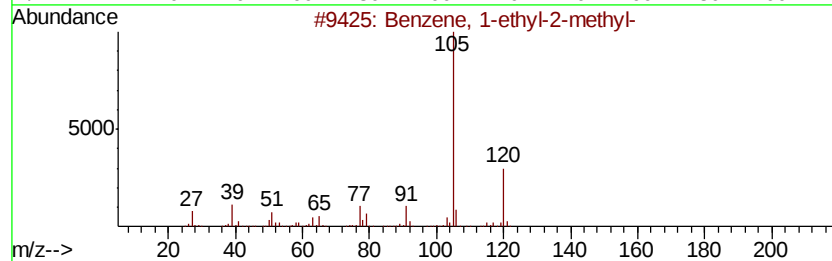
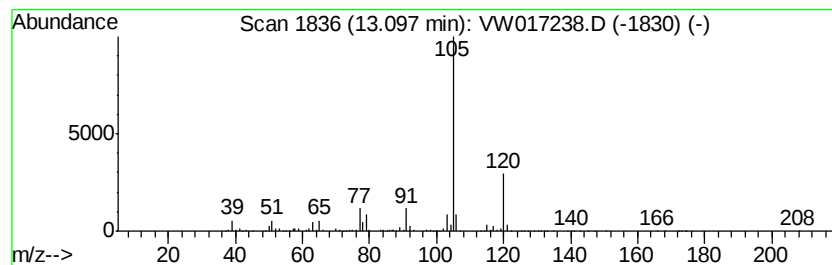
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Quant Title : VOC Analysis

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

Peak Number 14 Benzene, 1-ethyl-2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	48.58 ug/L	1182890	1,4-Dichlorobenzene-d4	13.56

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-3-methyl-	120	C9H12	000620-14-4	91
4		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5		Mesitylene	120	C9H12	000108-67-8	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW111520\
Data File : VW017238.D
Acq On : 15 Nov 2020 15:16
Operator : SY/VA
Sample : L4727-09
Misc : 5.11G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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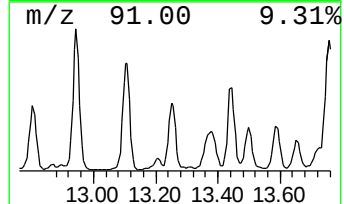
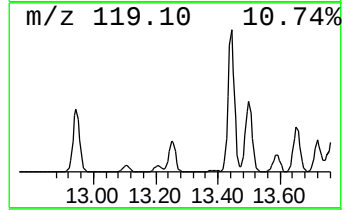
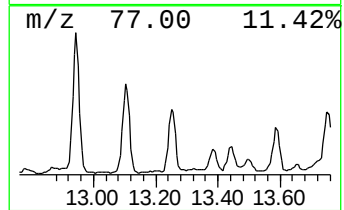
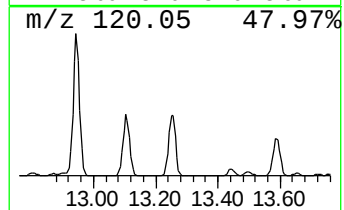
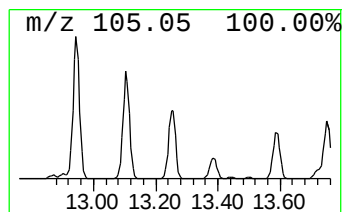
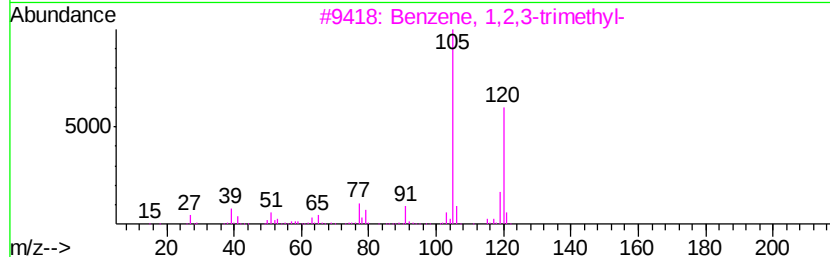
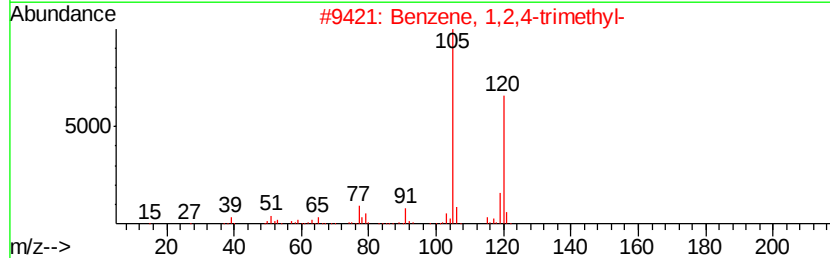
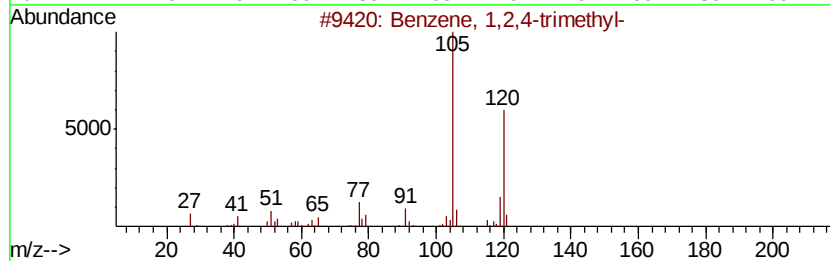
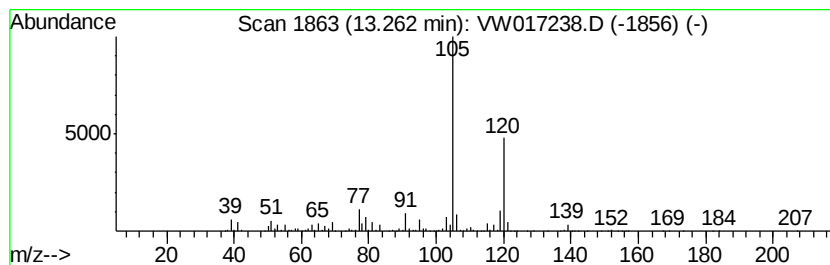
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Quant Title : VOC Analysis

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

Peak Number 15 Benzene, 1,2,4-trimethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	33.69 ug/L	820370	1,4-Dichlorobenzene-d4	13.56

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		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
5		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW111520\
Data File : VW017238.D
Acq On : 15 Nov 2020 15:16
Operator : SY/VA
Sample : L4727-09
Misc : 5.11G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AC3

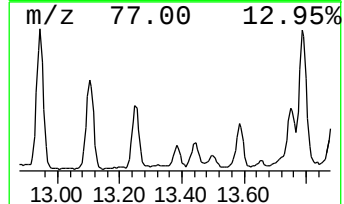
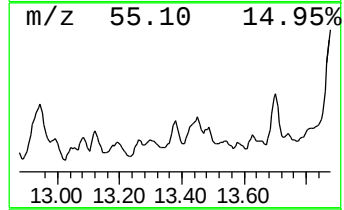
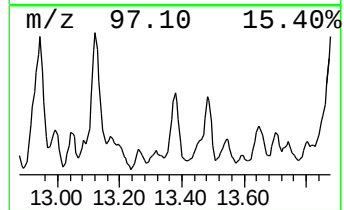
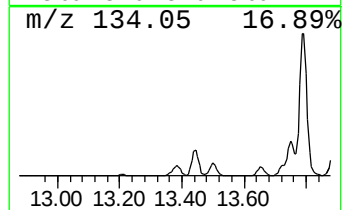
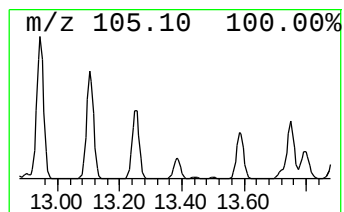
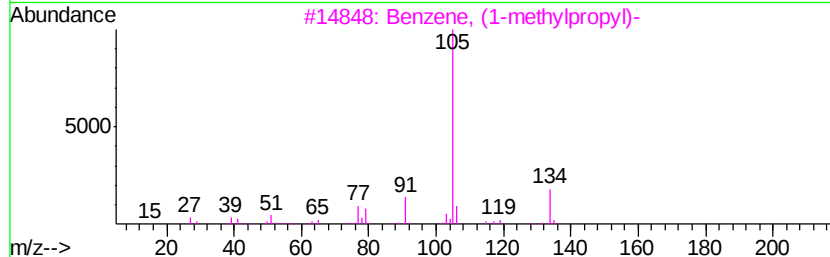
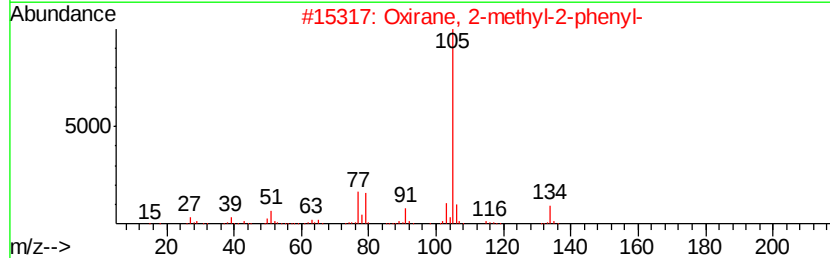
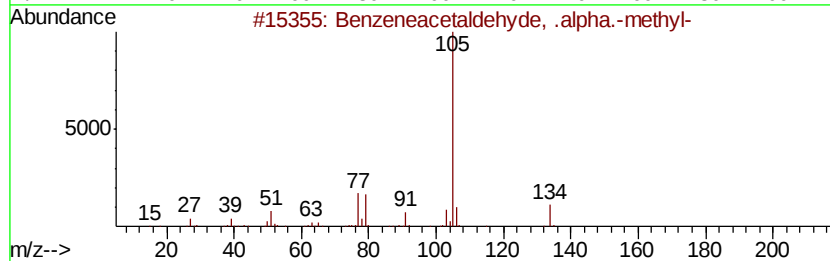
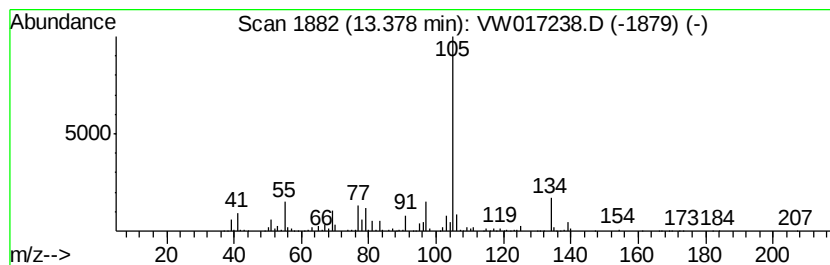
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Quant Title : VOC Analysis

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

Peak Number 16 Benzeneacetaldehyde, .alpha... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	9.39 ug/L	228574	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	68
2		Oxirane, 2-methyl-2-phenyl-	134	C9H10O	002085-88-3	64
3		Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	58
4		2-Tolyloxirane	134	C9H10O	002783-26-8	58
5		Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW111520\
Data File : VW017238.D
Acq On : 15 Nov 2020 15:16
Operator : SY/VA
Sample : L4727-09
Misc : 5.11G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AC3

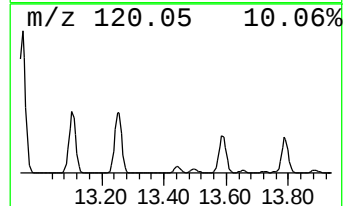
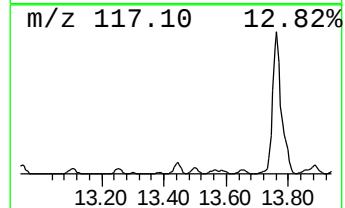
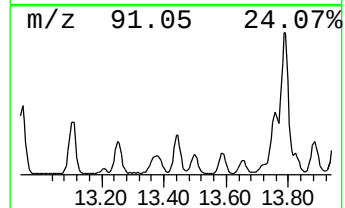
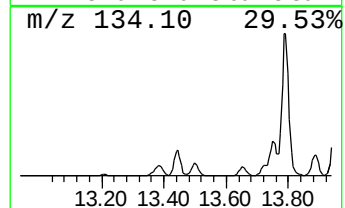
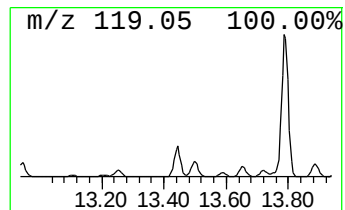
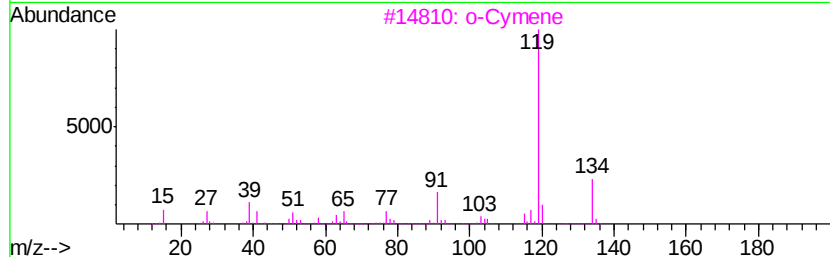
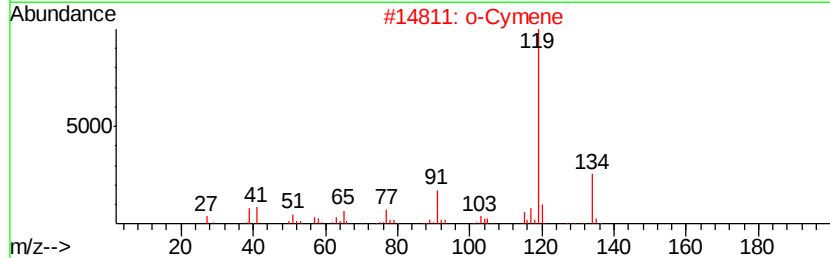
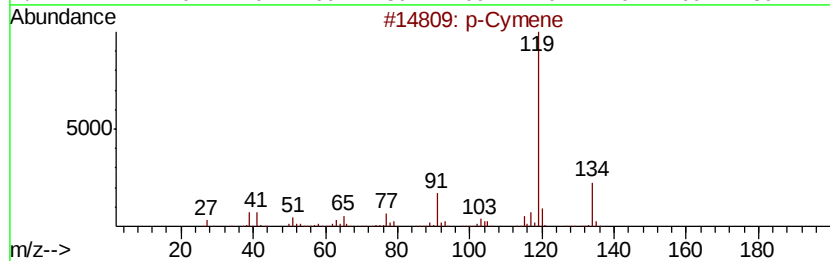
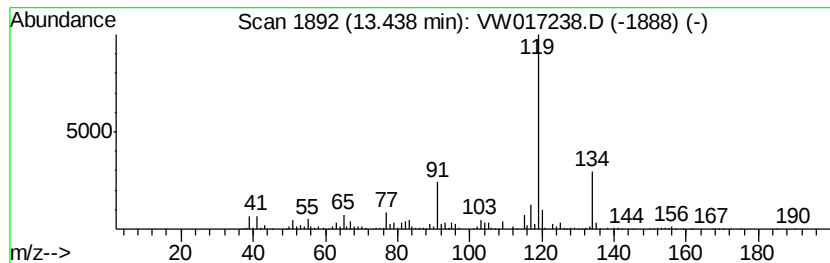
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Quant Title : VOC Analysis

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

Peak Number 17 p-Cymene Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.44	21.27 ug/L	517824	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	p-Cymene	134	C10H14	000099-87-6	95
2		o-Cymene	134	C10H14	000527-84-4	95
3		o-Cymene	134	C10H14	000527-84-4	95
4		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
5		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW111520\
Data File : VW017238.D
Acq On : 15 Nov 2020 15:16
Operator : SY/VA
Sample : L4727-09
Misc : 5.11G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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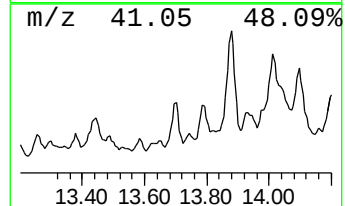
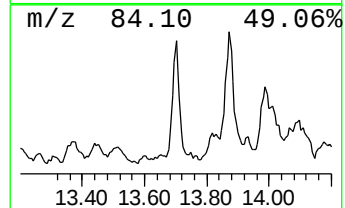
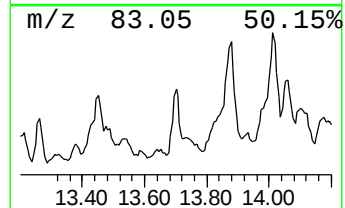
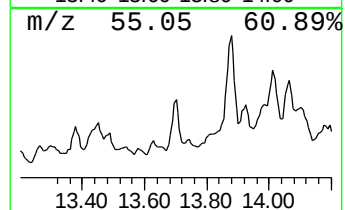
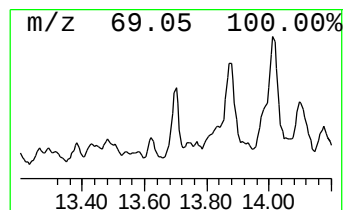
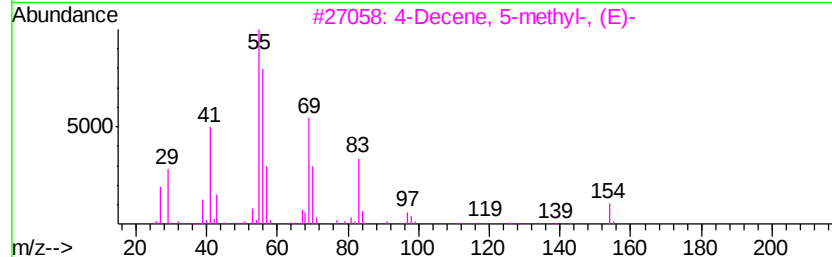
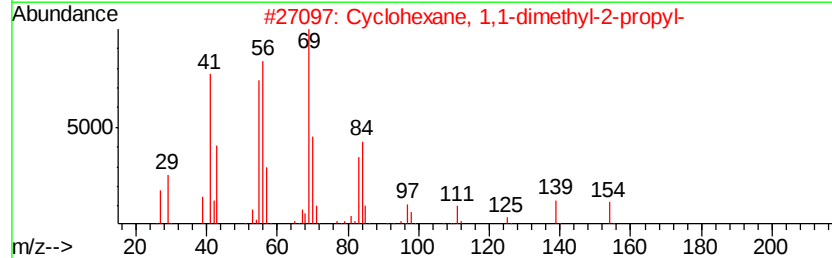
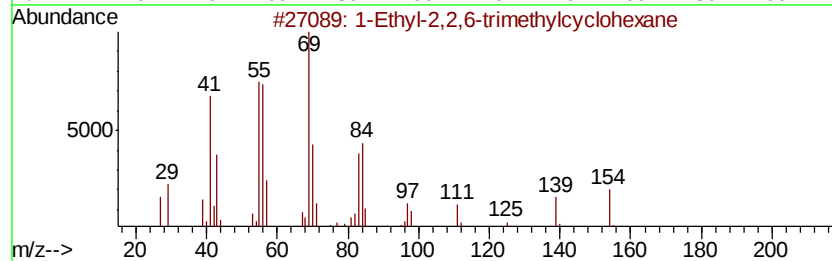
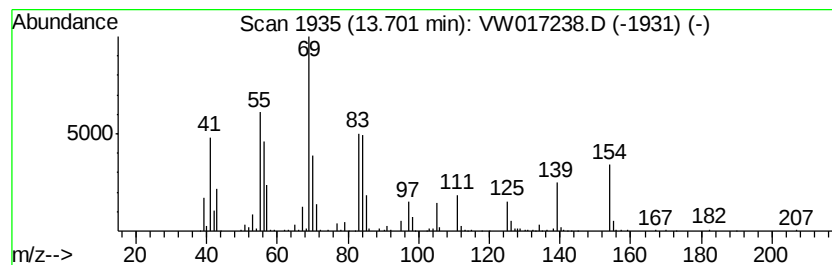
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Quant Title : VOC Analysis

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

Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.70	11.57 ug/L	281756	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Ethyl-2,2,6-trimethylcyclohexane	154	C11H22	071186-27-1	64
2		Cyclohexane, 1,1-dimethyl-2-propyl-	154	C11H22	081983-71-3	62
3		4-Decene, 5-methyl-, (E)-	154	C11H22	062338-51-6	55
4		Cyclooctane, 1,4-dimethyl-, cis-	140	C10H20	013151-99-0	49
5		3-Undecene, 8-methyl-	168	C12H24	1000061-84-4	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW111520\
Data File : VW017238.D
Acq On : 15 Nov 2020 15:16
Operator : SY/VA
Sample : L4727-09
Misc : 5.11G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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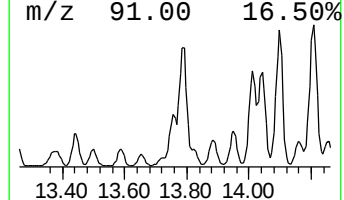
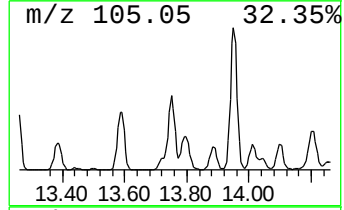
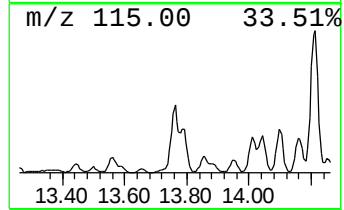
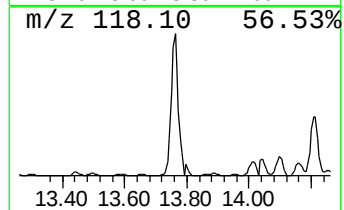
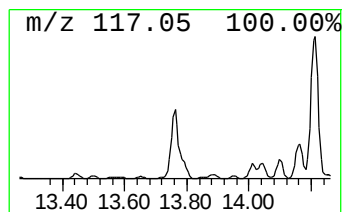
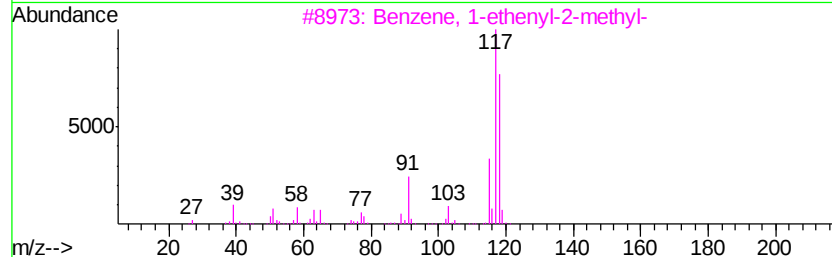
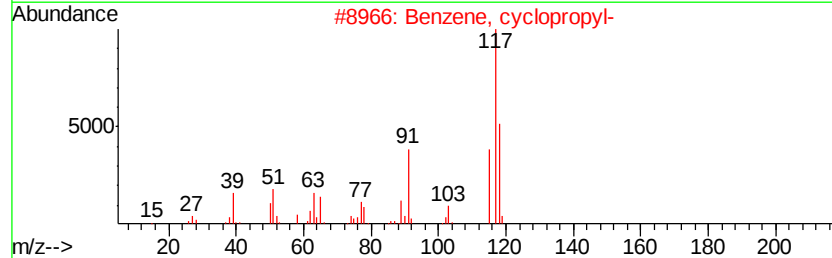
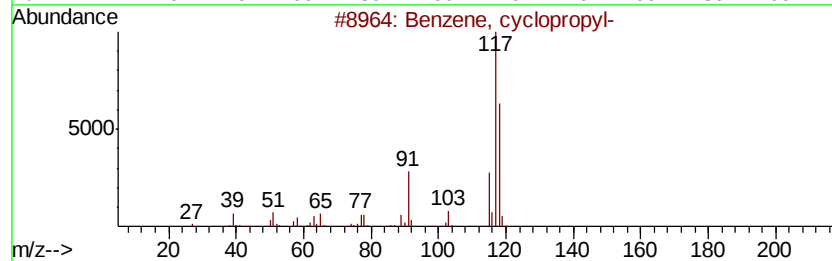
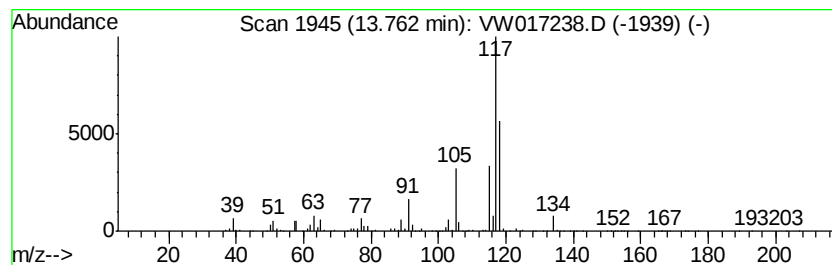
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Quant Title : VOC Analysis

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

Peak Number 19 Benzene, cyclopropyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	41.90 ug/L	1020320	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, cvclopropyl-	118	C9H10	000873-49-4	76
2		Benzene, cvclopropyl-	118	C9H10	000873-49-4	70
3		Benzene, 1-ethenvl-2-methvl-	118	C9H10	000611-15-4	70
4		Benzene, 2-propenvl-	118	C9H10	000300-57-2	70
5		Benzene, cyclopropyl-	118	C9H10	000873-49-4	68



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW111520\
Data File : VW017238.D
Acq On : 15 Nov 2020 15:16
Operator : SY/VA
Sample : L4727-09
Misc : 5.11G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AC3

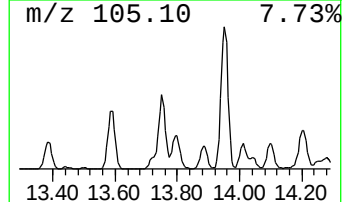
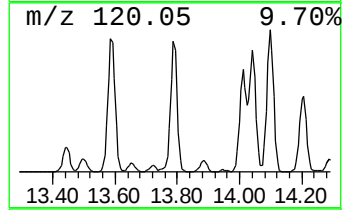
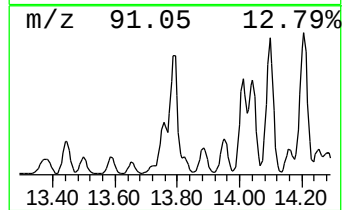
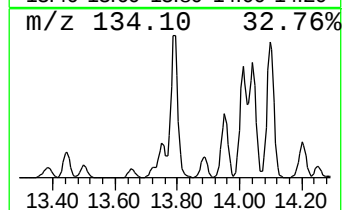
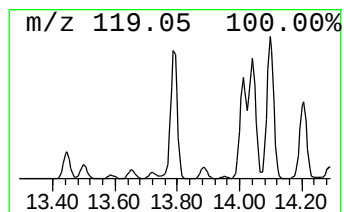
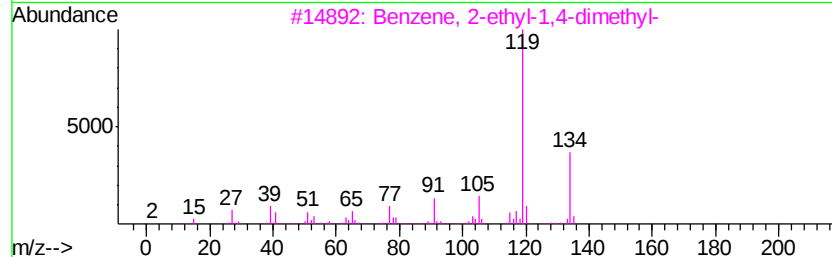
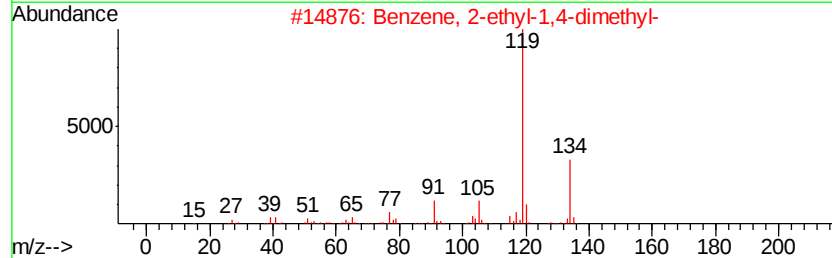
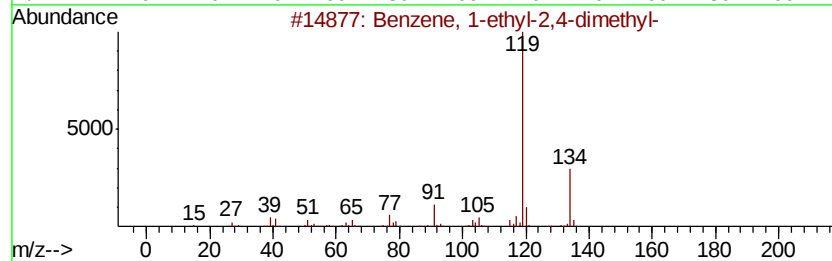
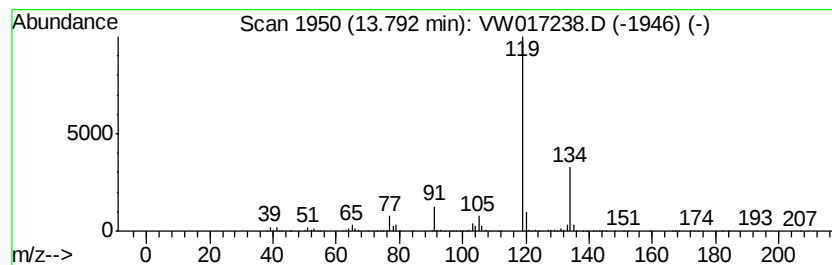
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Quant Title : VOC Analysis

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

Peak Number 20 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	80.15 ug/L	1951580	1,4-Dichlorobenzene-d4	13.56

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW111520\
Data File : VW017238.D
Acq On : 15 Nov 2020 15:16
Operator : SY/VA
Sample : L4727-09
Misc : 5.11G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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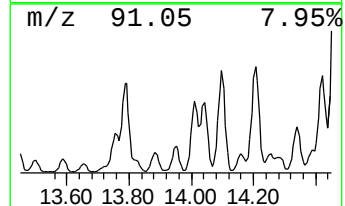
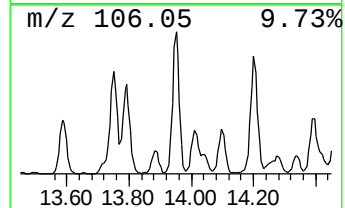
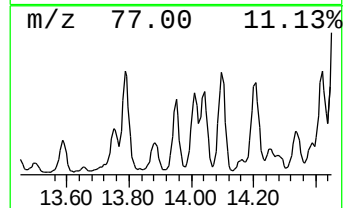
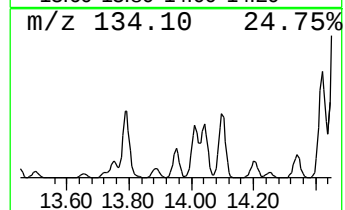
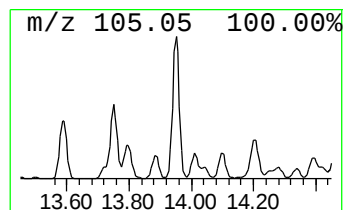
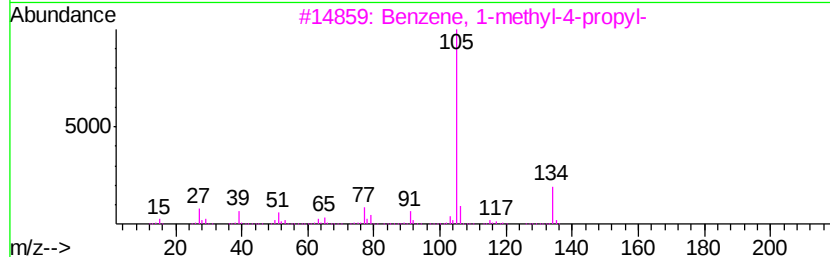
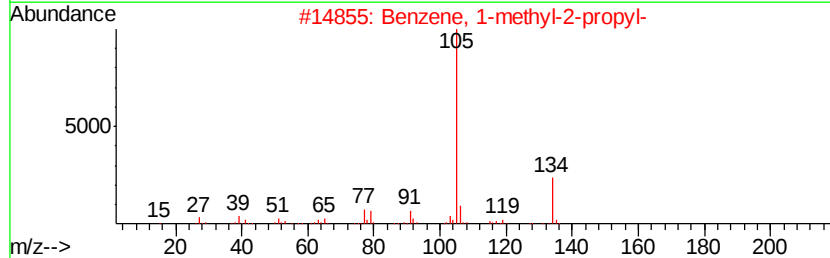
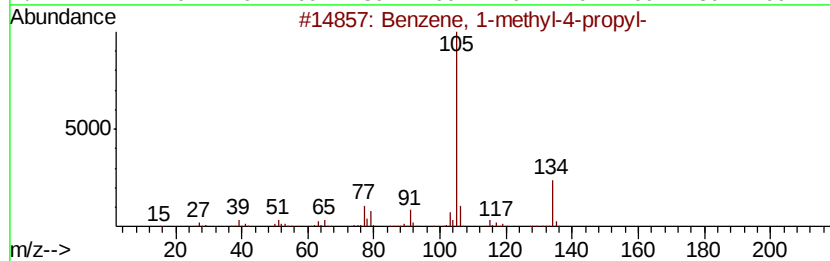
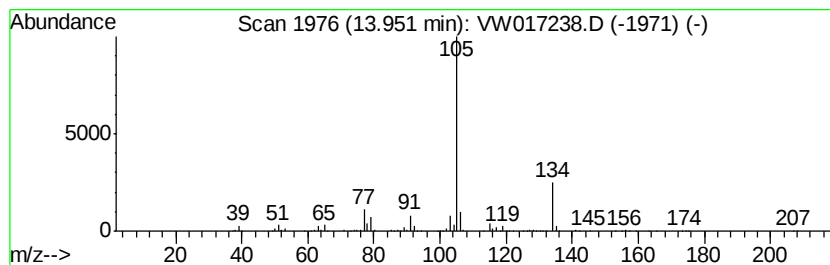
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Quant Title : VOC Analysis

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

Peak Number 21 Benzene, 1-methyl-4-propyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	38.73 ug/L	943060	1,4-Dichlorobenzene-d4	13.56

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	91
3		Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
4		Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
5		Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW111520\
Data File : VW017238.D
Acq On : 15 Nov 2020 15:16
Operator : SY/VA
Sample : L4727-09
Misc : 5.11G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AC3

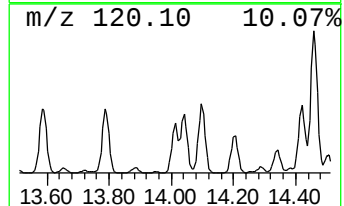
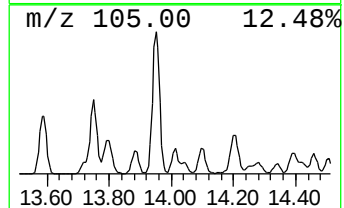
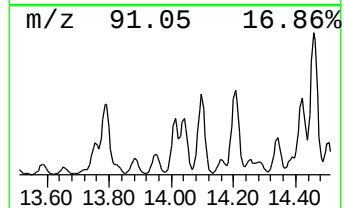
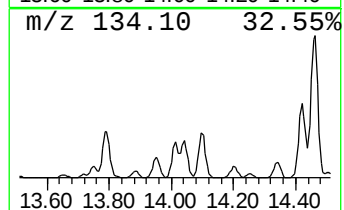
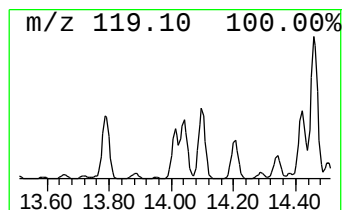
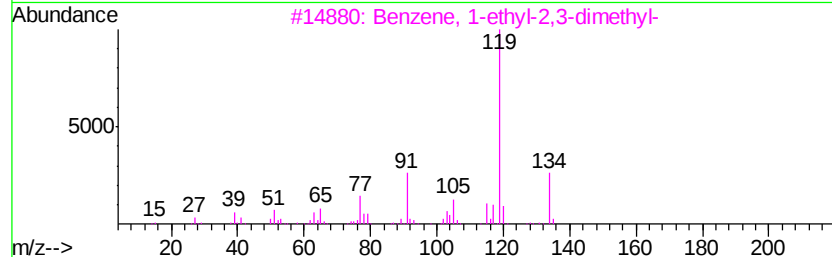
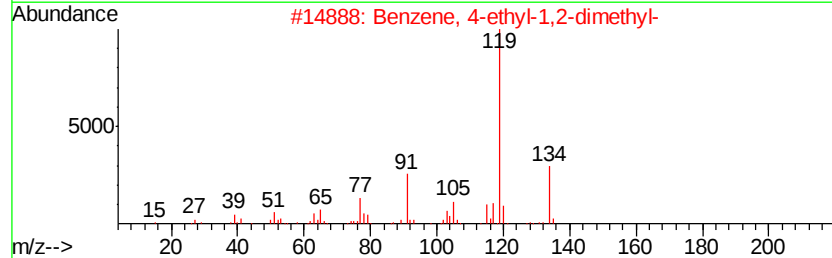
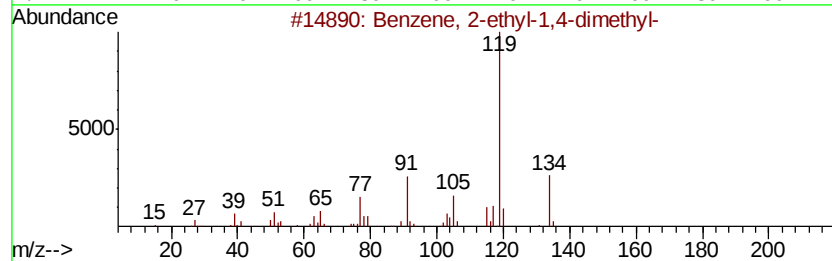
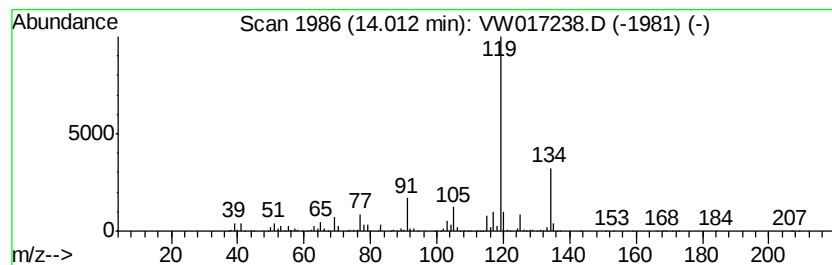
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Quant Title : VOC Analysis

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

Peak Number 22 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.01	65.20 ug/L	1587680	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
3		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
4		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
5		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW111520\
Data File : VW017238.D
Acq On : 15 Nov 2020 15:16
Operator : SY/VA
Sample : L4727-09
Misc : 5.11G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AC3

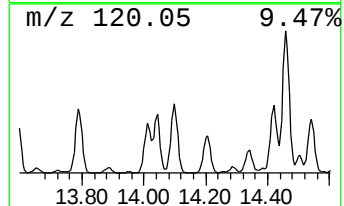
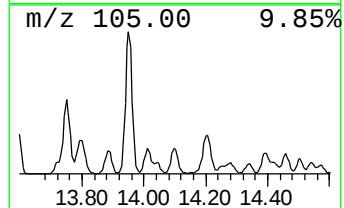
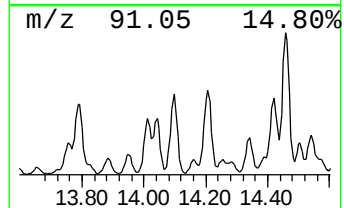
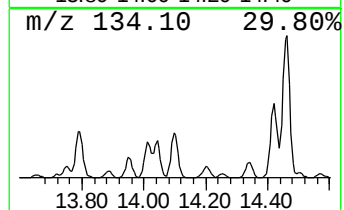
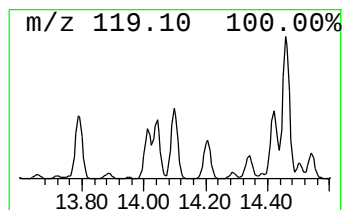
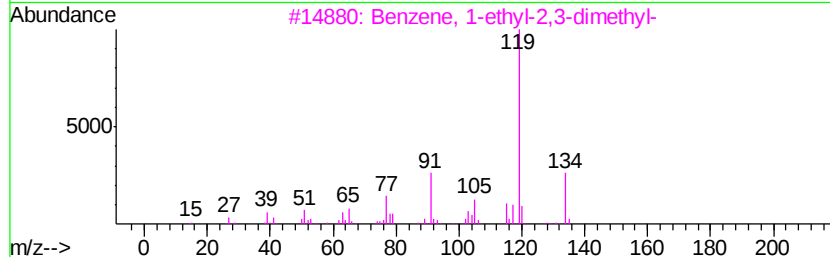
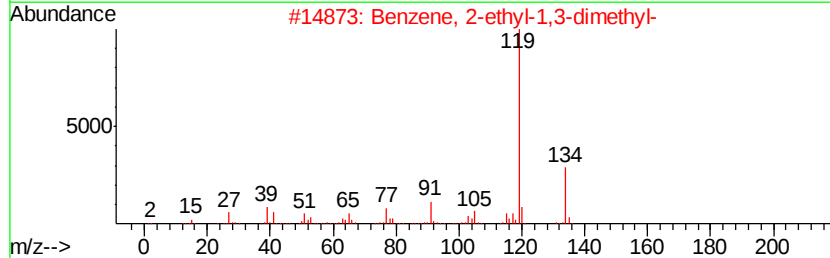
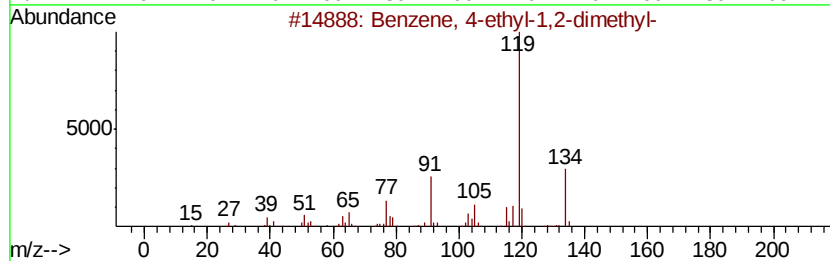
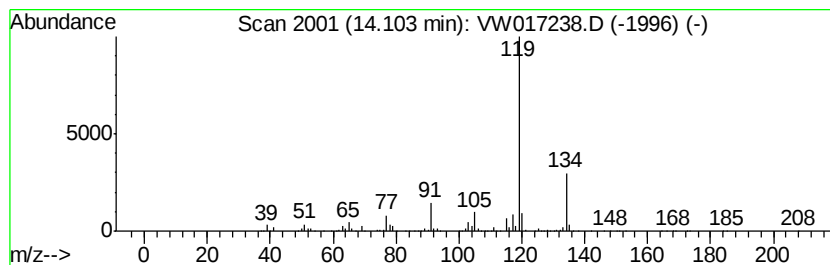
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Quant Title : VOC Analysis

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

Peak Number 23 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	90.63 ug/L	2206880	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
2		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
3		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
4		o-Cymene	134	C10H14	000527-84-4	95
5		o-Cymene	134	C10H14	000527-84-4	95



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW111520\
Data File : VW017238.D
Acq On : 15 Nov 2020 15:16
Operator : SY/VA
Sample : L4727-09
Misc : 5.11G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AC3

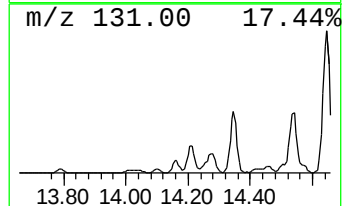
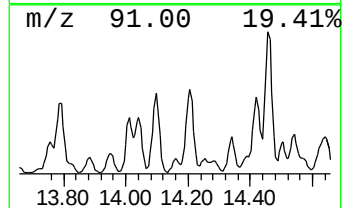
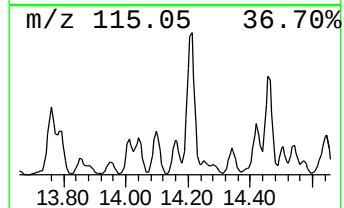
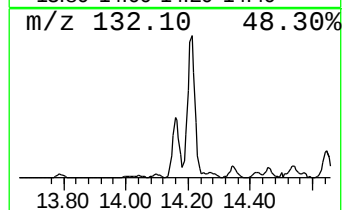
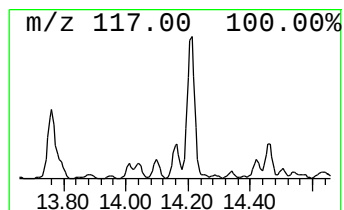
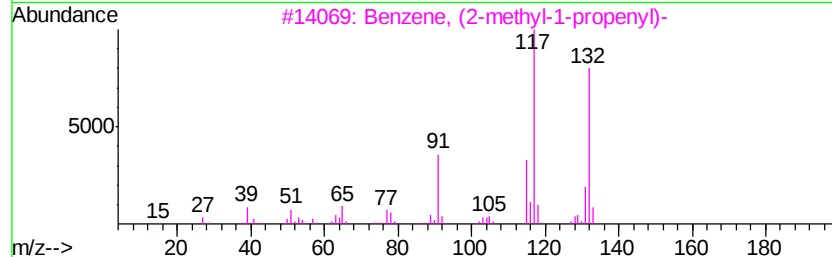
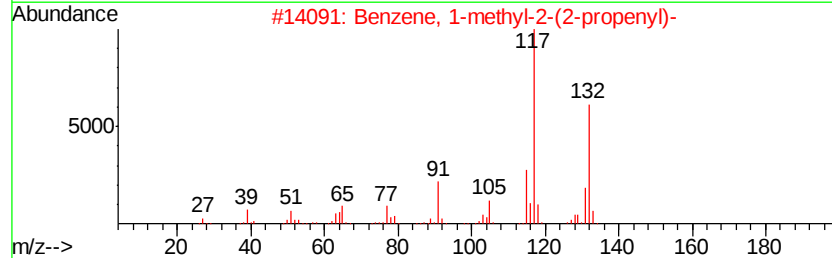
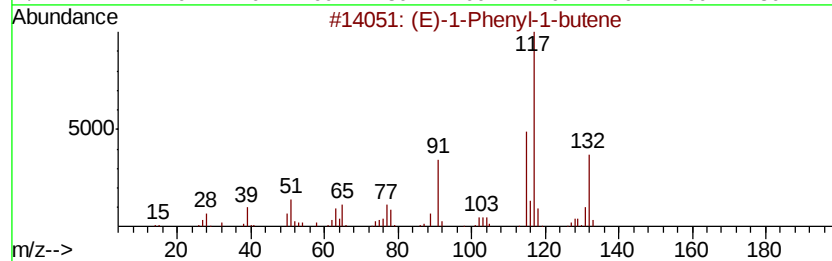
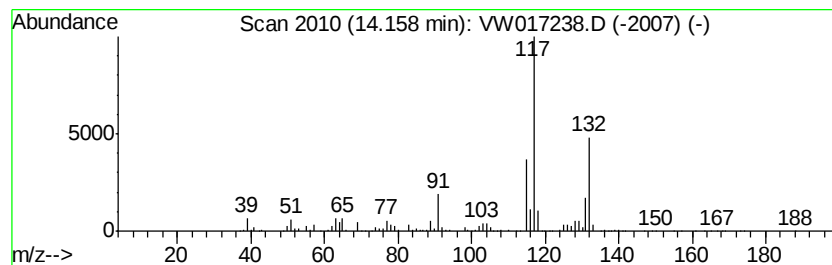
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Quant Title : VOC Analysis

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

Peak Number 24 (E)-1-Phenyl-1-butene Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.16	16.72 ug/L	407217	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	94
2		Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	91
3		Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	91
4		Benzene, (1-methylenepropyl)-	132	C10H12	002039-93-2	91
5		Benzene, 2-butenyl-	132	C10H12	001560-06-1	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW111520\
Data File : VW017238.D
Acq On : 15 Nov 2020 15:16
Operator : SY/VA
Sample : L4727-09
Misc : 5.11G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AC3

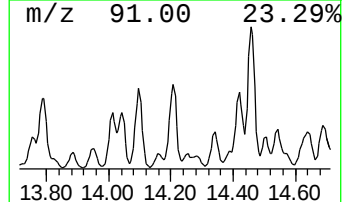
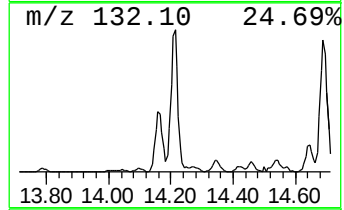
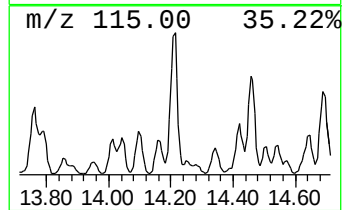
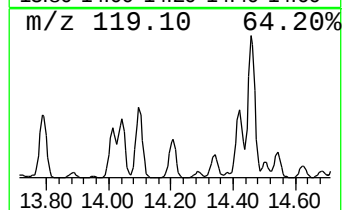
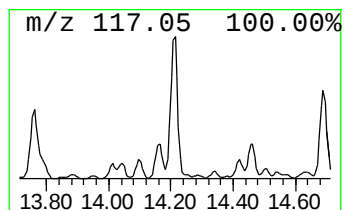
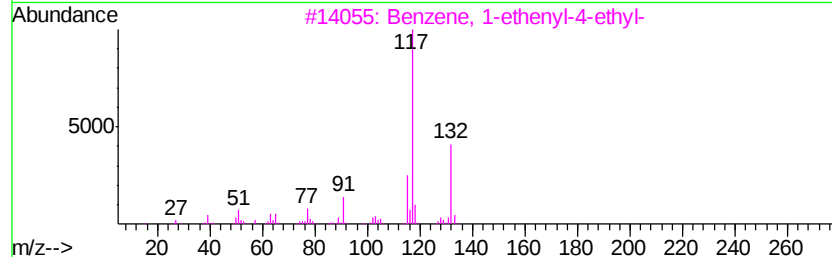
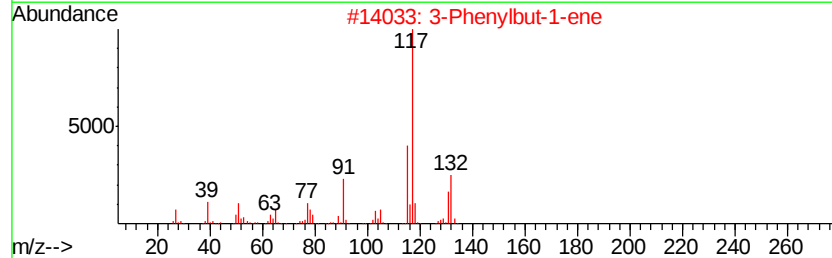
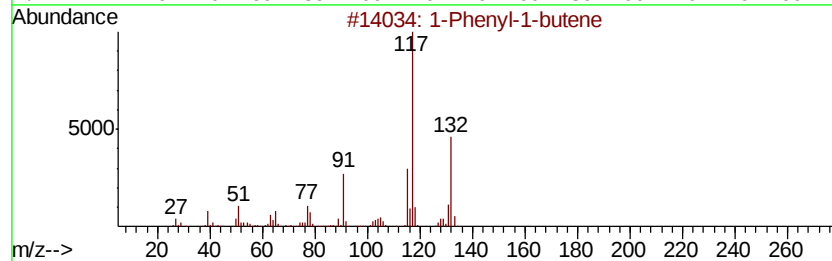
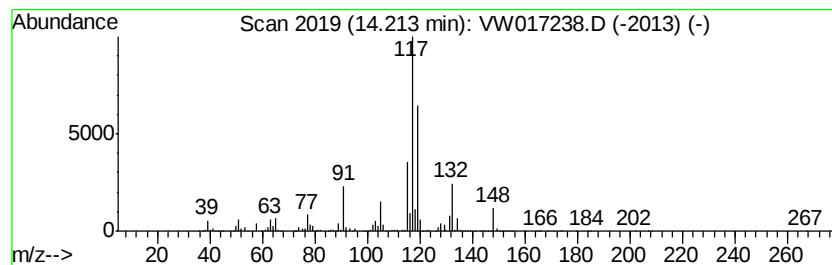
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Quant Title : VOC Analysis

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

Peak Number 25 1-Phenyl-1-butene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	112.12 ug/L	2730190	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Phenyl-1-butene	132	C10H12	000824-90-8	70
2		3-Phenylbut-1-ene	132	C10H12	000934-10-1	55
3		Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	50
4		Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	49
5		Benzene, 2-butenyl-	132	C10H12	001560-06-1	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW111520\
Data File : VW017238.D
Acq On : 15 Nov 2020 15:16
Operator : SY/VA
Sample : L4727-09
Misc : 5.11G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

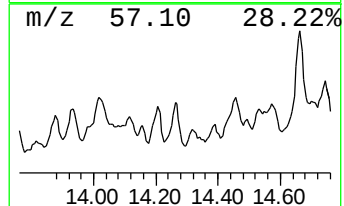
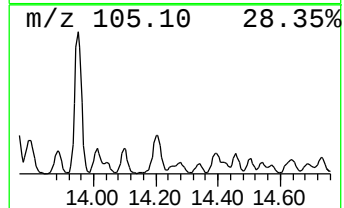
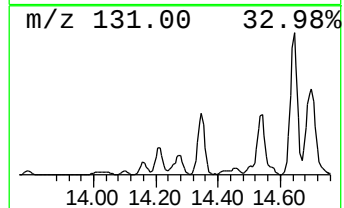
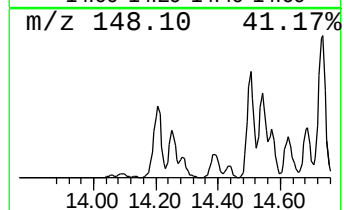
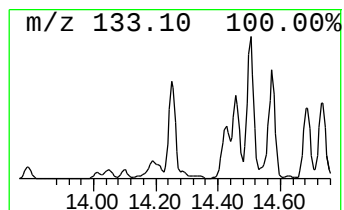
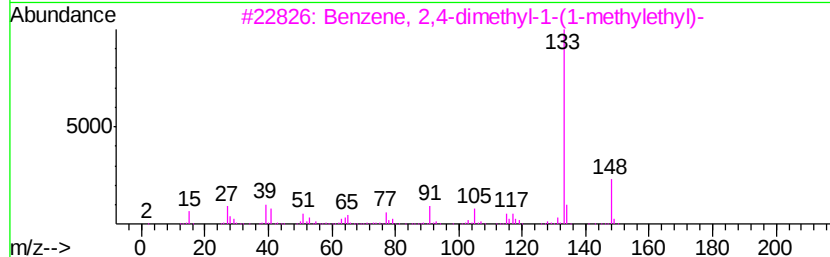
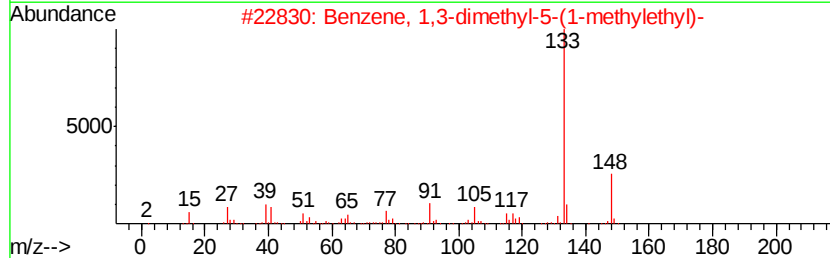
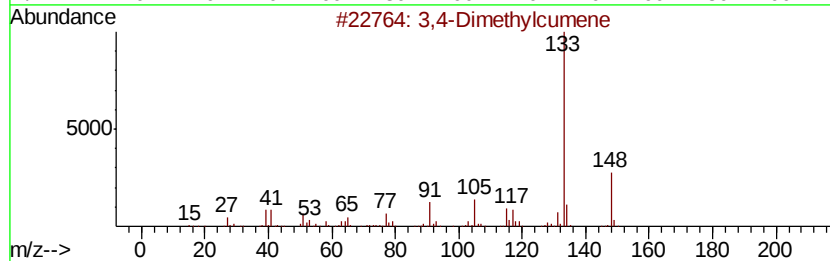
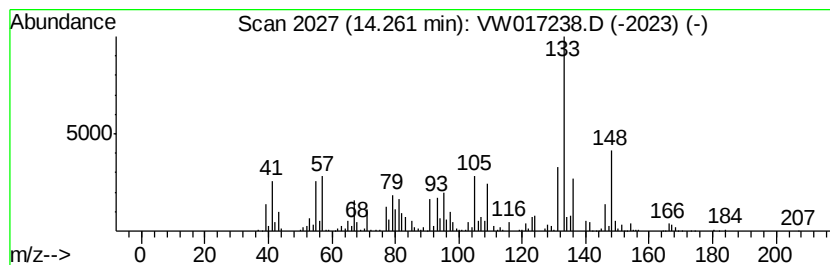
Instrument :
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ClientSampleId :
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis

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

Peak Number 26 3,4-Dimethylcumene Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.		
14.26	34.28 ug/L	834788	1,4-Dichlorobenzene-d4	13.56		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dimethylcumene		148	C11H16	1000370-34-1	83
2	Benzene, 1,3-dimethyl-5-(1-methv...		148	C11H16	004706-90-5	83
3	Benzene, 2,4-dimethyl-1-(1-methv...		148	C11H16	004706-89-2	72
4	Benzene, 1,4-dimethyl-2-(1-methv...		148	C11H16	004132-72-3	72
5	Benzene, pentamethyl-		148	C11H16	000700-12-9	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW111520\
Data File : VW017238.D
Acq On : 15 Nov 2020 15:16
Operator : SY/VA
Sample : L4727-09
Misc : 5.11G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
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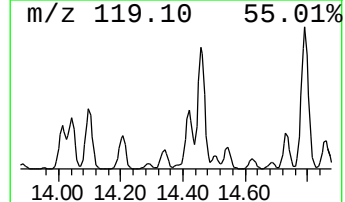
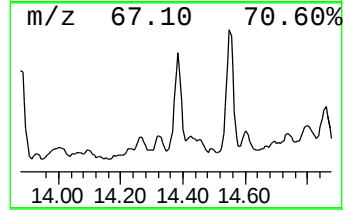
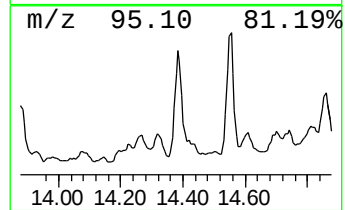
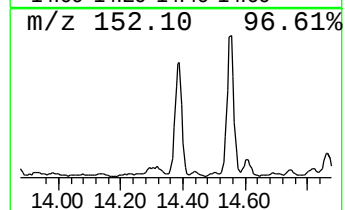
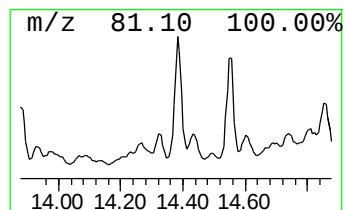
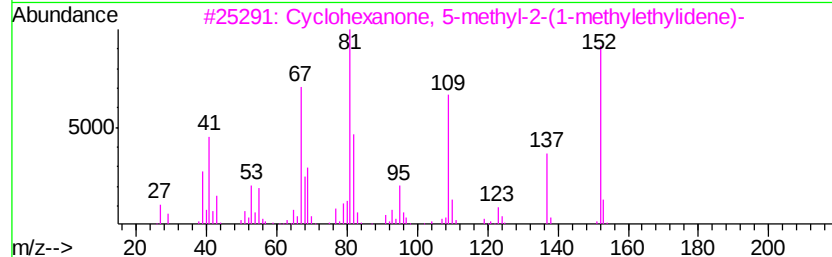
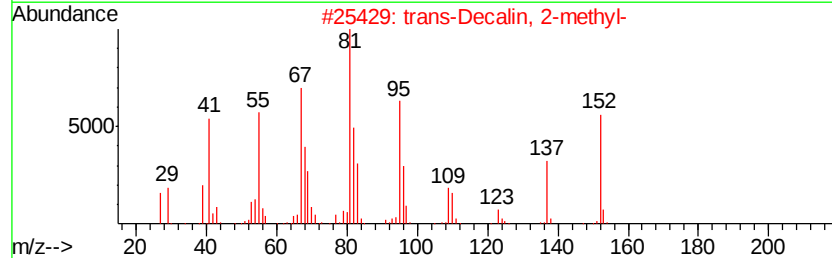
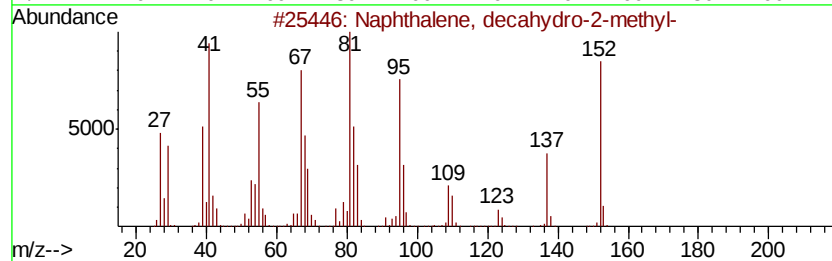
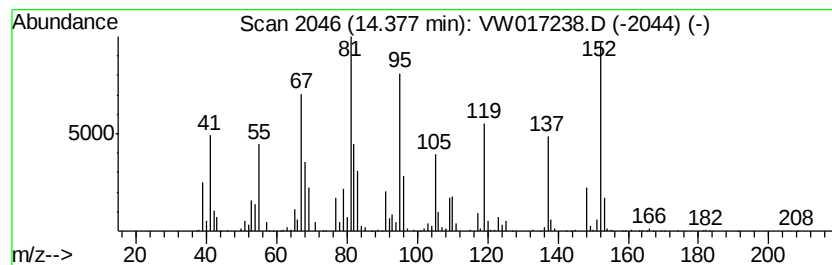
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Quant Title : VOC Analysis

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

Peak Number 28 Naphthalene, decahydro-2-me... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.38	39.74 ug/L	967773	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	91
2		trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	89
3		Cyclohexanone, 5-methyl-2-(1-meth...	152	C10H16O	015932-80-6	83
4		Decalin, syn-1-methyl-, cis-	152	C11H20	1000158-89-1	53
5		Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW111520\
Data File : VW017238.D
Acq On : 15 Nov 2020 15:16
Operator : SY/VA
Sample : L4727-09
Misc : 5.11G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

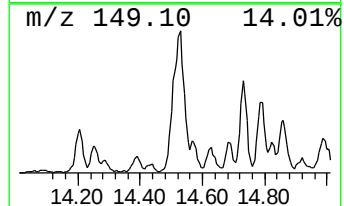
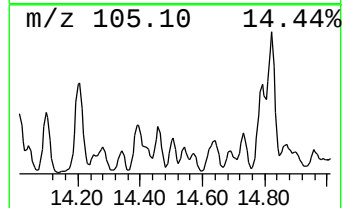
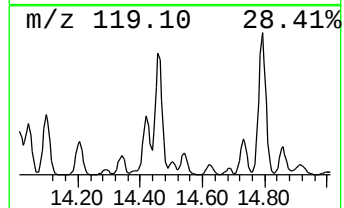
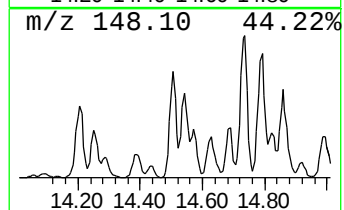
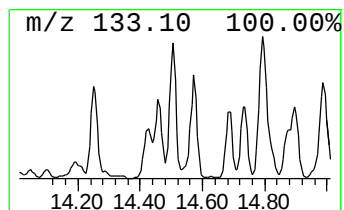
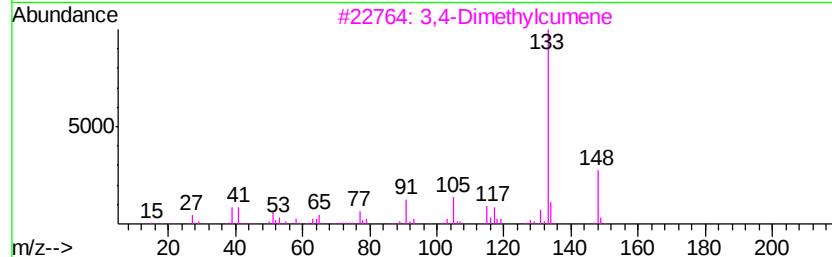
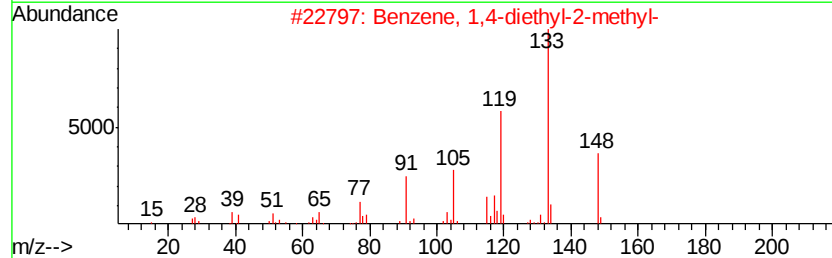
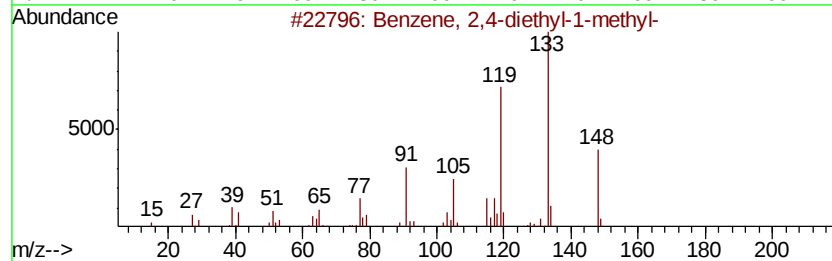
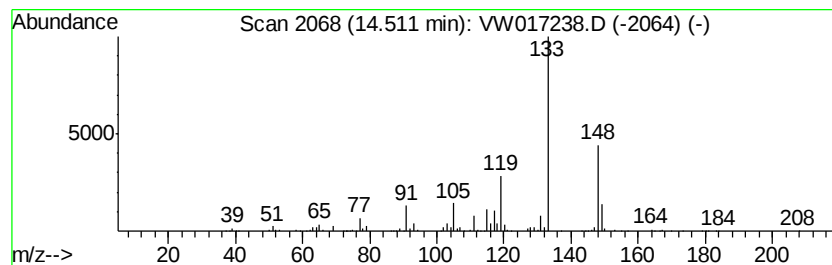
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MSVOA_W
ClientSampleId :
C0AC3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis

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

Peak Number 31 Benzene, 2,4-diethyl-1-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.51	32.23 ug/L	784768	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, 2,4-diethyl-1-methyl-	148 C11H16	001758-85-6 94
2		Benzene, 1,4-diethyl-2-methyl-	148 C11H16	013632-94-5 94
3		3,4-Dimethylcumene	148 C11H16	1000370-34-1 81
4		Benzene, pentamethyl-	148 C11H16	000700-12-9 81
5		Benzene, 1-ethyl-4-(1-methylethyl)-	148 C11H16	004218-48-8 72



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW111520\
Data File : VW017238.D
Acq On : 15 Nov 2020 15:16
Operator : SY/VA
Sample : L4727-09
Misc : 5.11G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AC3

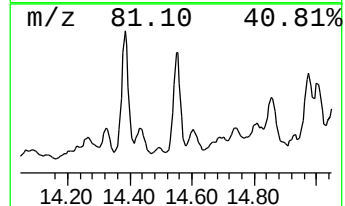
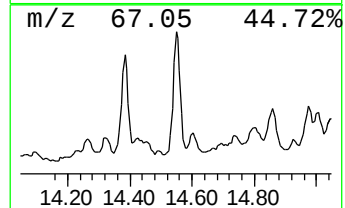
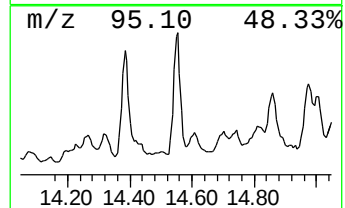
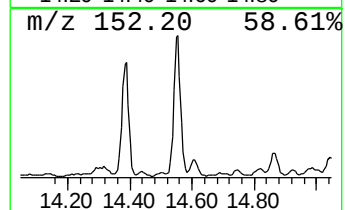
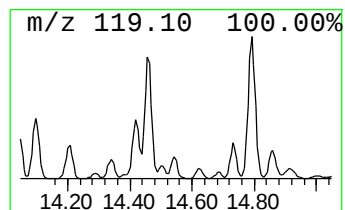
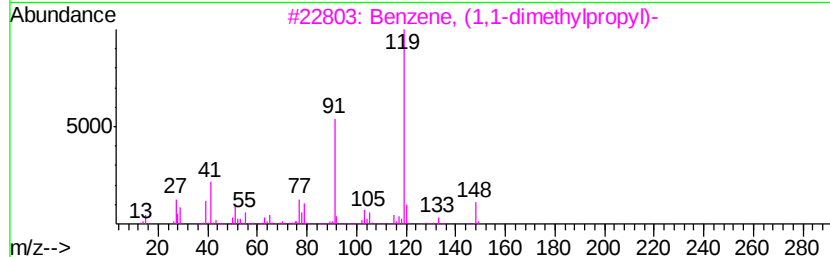
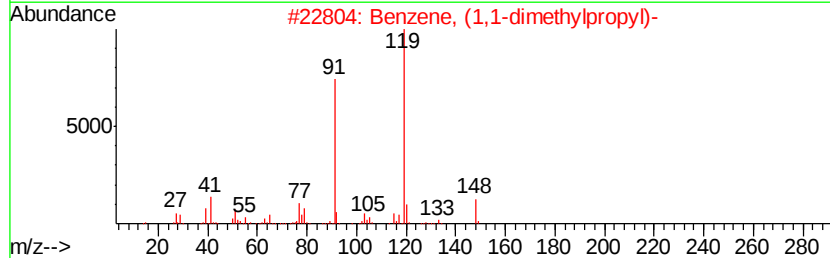
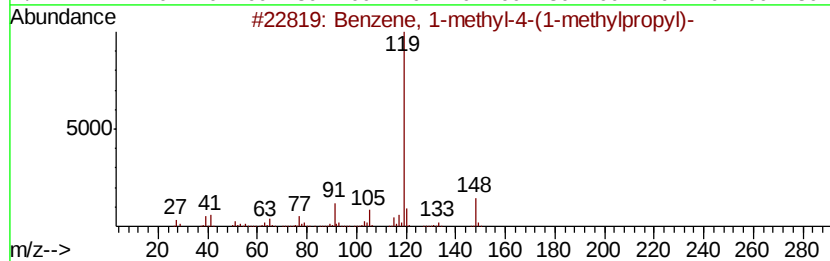
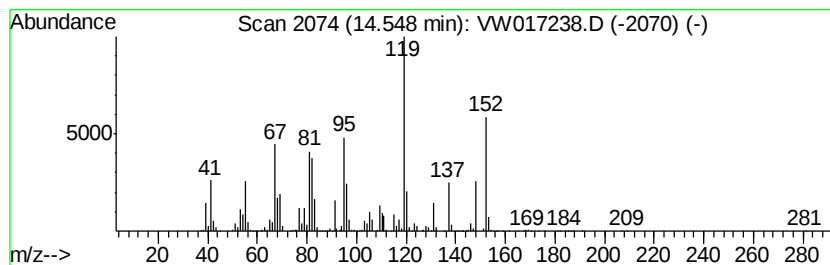
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Quant Title : VOC Analysis

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

Peak Number 32 unknown-01 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.55	80.61 ug/L	1962740	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	25
2		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	22
3		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	22
4		Benzene, 1,4-dimethyl-2-(2-methy...	162	C12H18	055669-88-0	18
5		Benzoic acid, 2,4-dimethyl-, (2,...	268	C18H20O2	055000-43-6	14



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW111520\
Data File : VW017238.D
Acq On : 15 Nov 2020 15:16
Operator : SY/VA
Sample : L4727-09
Misc : 5.11G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

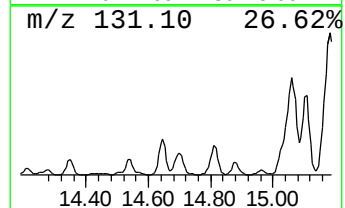
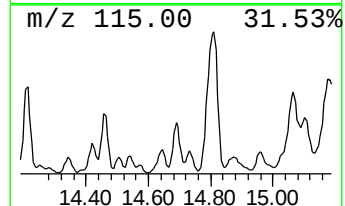
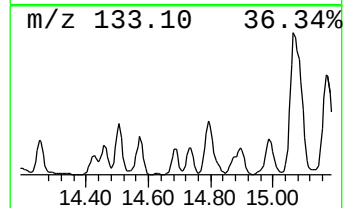
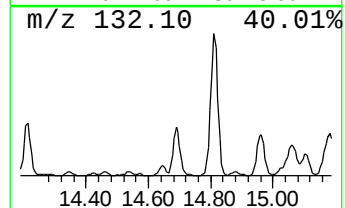
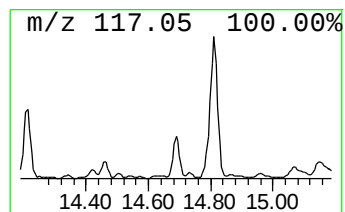
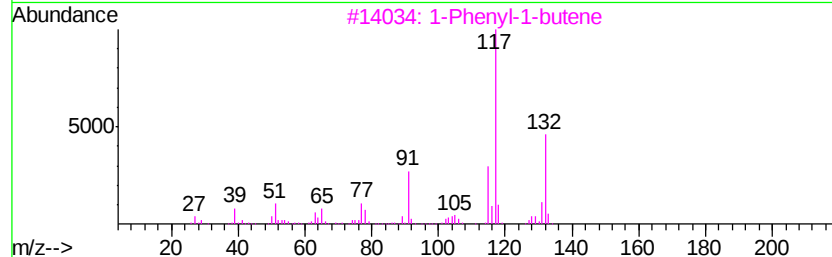
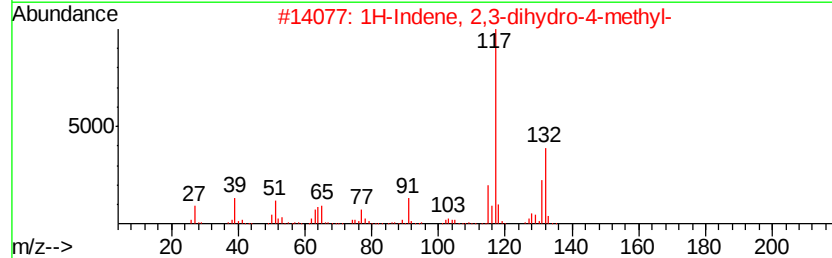
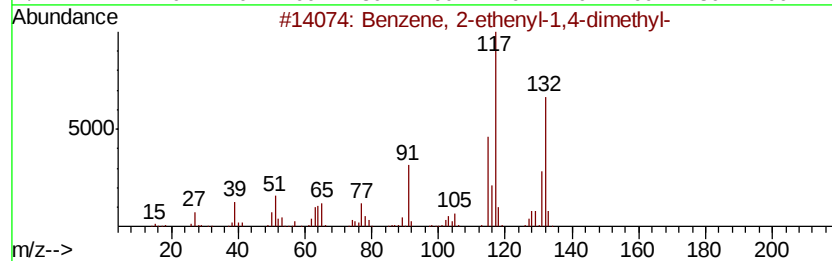
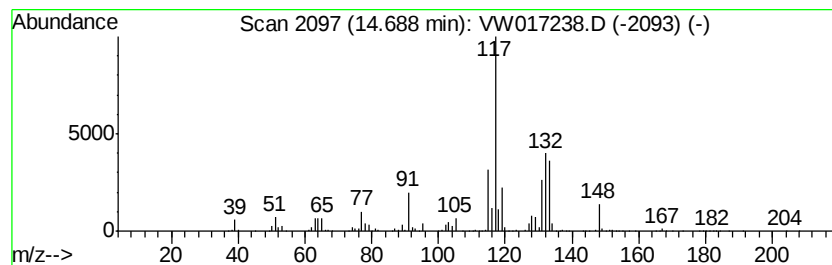
Instrument :
MSVOA_W
ClientSampled :
C0AC3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis

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

Peak Number 33 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	50.28 ug/L	1224300	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, 2-ethenyl-1,4-dimethyl-	132 C10H12	002039-89-6 87
2		1H-Indene, 2,3-dihydro-4-methyl-	132 C10H12	000824-22-6 76
3		1-Phenyl-1-butene	132 C10H12	000824-90-8 76
4		1H-Indene, 2,3-dihydro-5-methyl-	132 C10H12	000874-35-1 76
5		Benzene, 1-ethenyl-4-ethyl-	132 C10H12	003454-07-7 70



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW111520\
Data File : VW017238.D
Acq On : 15 Nov 2020 15:16
Operator : SY/VA
Sample : L4727-09
Misc : 5.11G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AC3

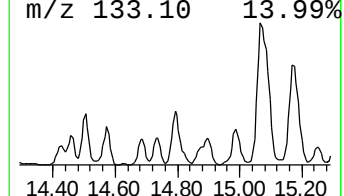
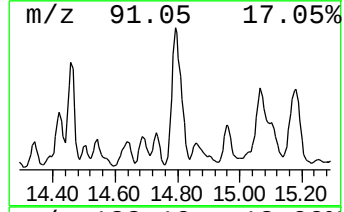
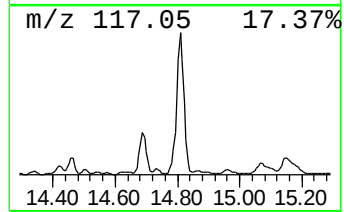
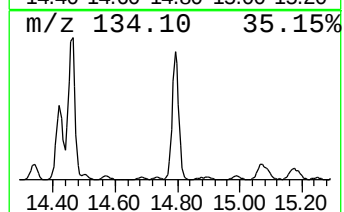
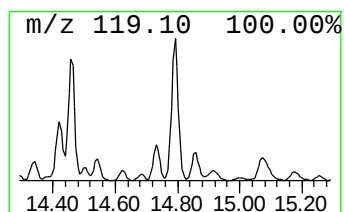
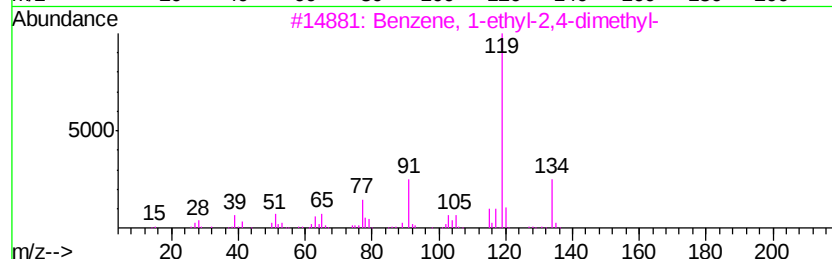
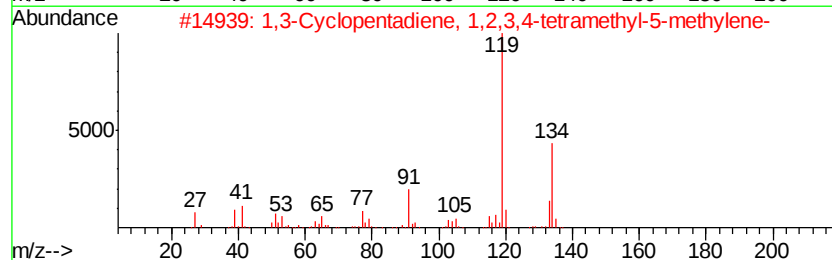
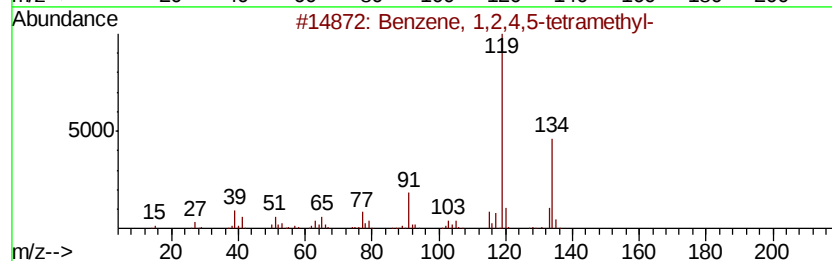
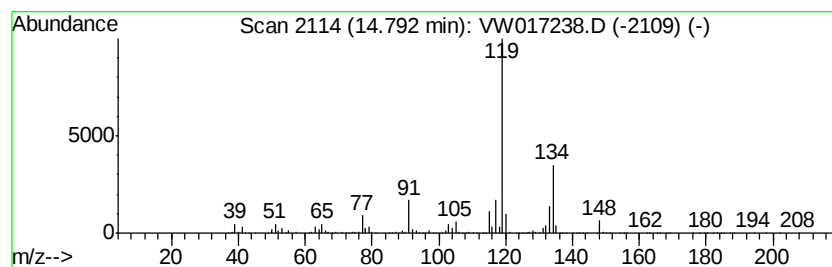
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Quant Title : VOC Analysis

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

Peak Number 35 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.79	375.38 ug/L	9140540	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
2		1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	93
3		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
4		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	90
5		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW111520\
Data File : VW017238.D
Acq On : 15 Nov 2020 15:16
Operator : SY/VA
Sample : L4727-09
Misc : 5.11G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AC3

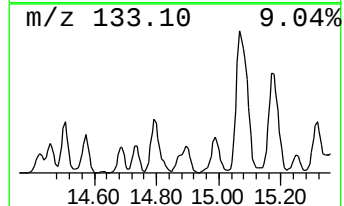
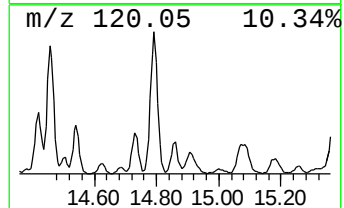
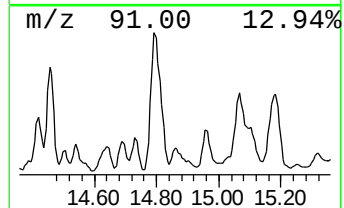
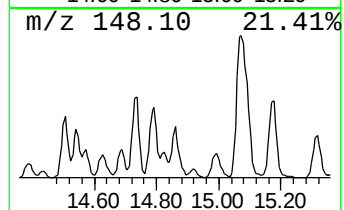
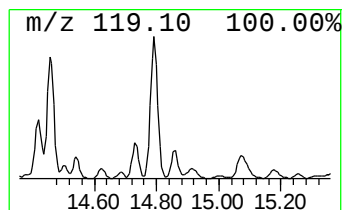
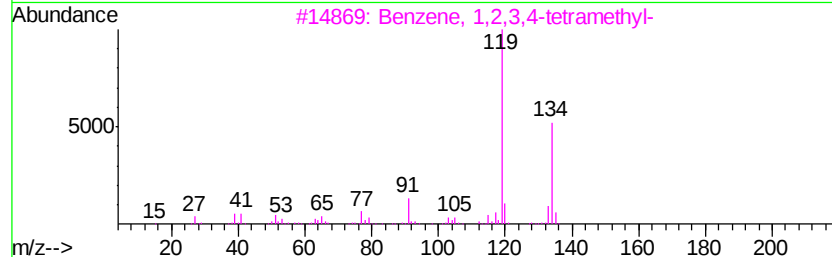
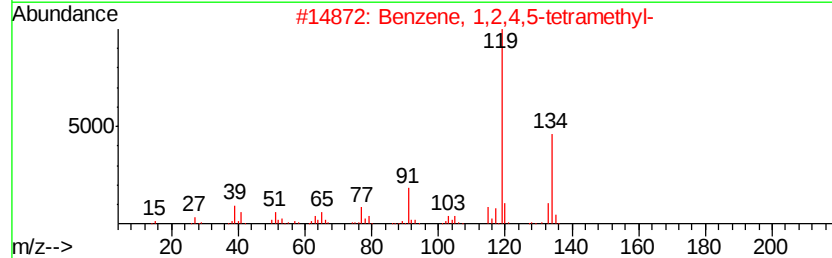
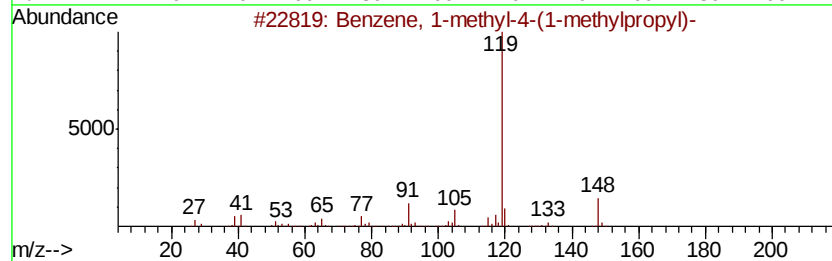
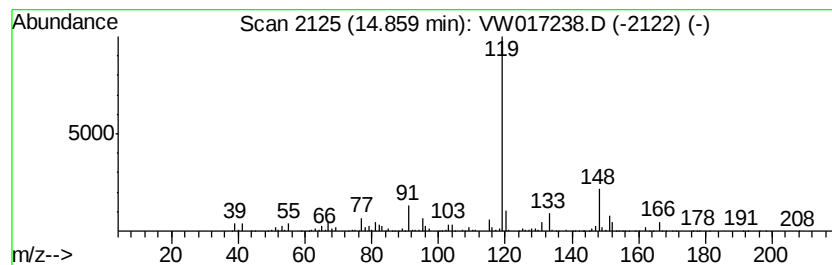
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Quant Title : VOC Analysis

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

Peak Number 36 Benzene, 1-methyl-4-(1-meth... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	57.94 ug/L	1410740	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	74
2		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	53
3		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	53
4		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	53
5		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW111520\
Data File : VW017238.D
Acq On : 15 Nov 2020 15:16
Operator : SY/VA
Sample : L4727-09
Misc : 5.11G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AC3

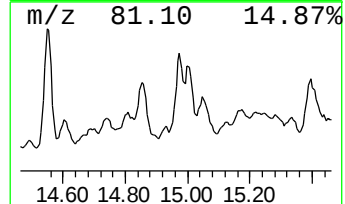
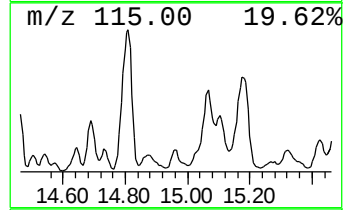
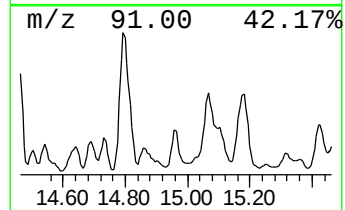
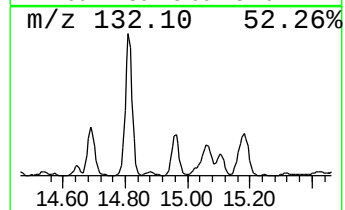
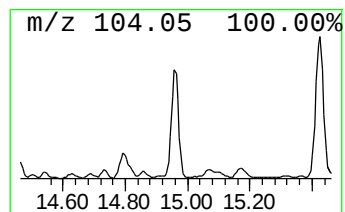
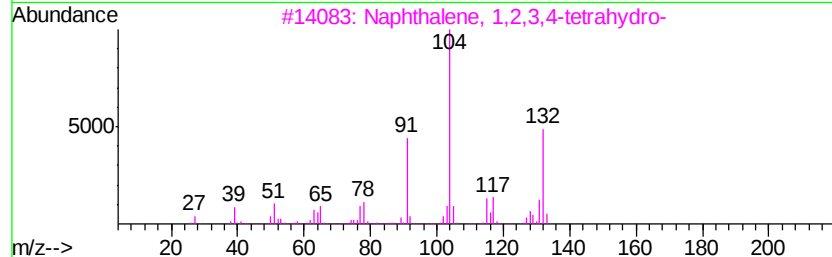
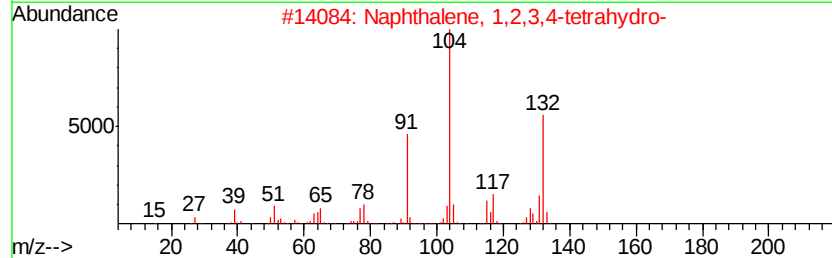
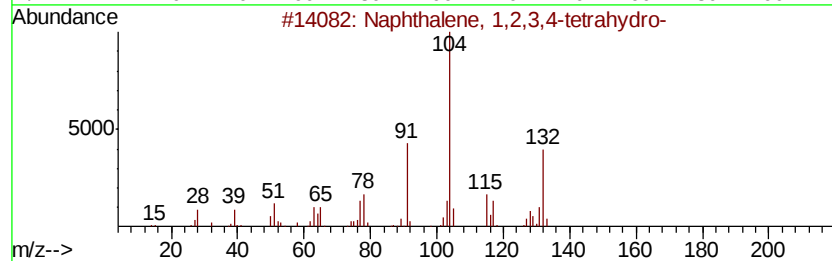
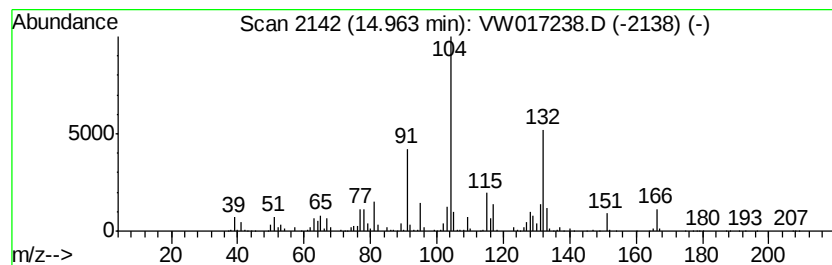
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Quant Title : VOC Analysis

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

Peak Number 37 Naphthalene, 1,2,3,4-tetrahydro- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	54.99 ug/L	1338900	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	95
2		Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	95
3		Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	95
4		Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	89
5		2H-Inden-2-one, 1,3-dihydro-	132	C9H8O	000615-13-4	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW111520\
Data File : VW017238.D
Acq On : 15 Nov 2020 15:16
Operator : SY/VA
Sample : L4727-09
Misc : 5.11G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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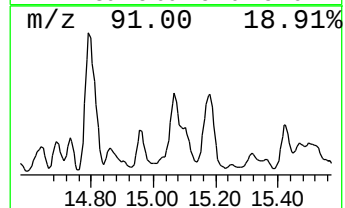
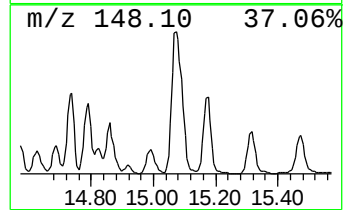
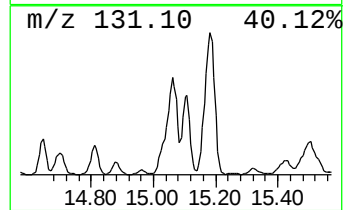
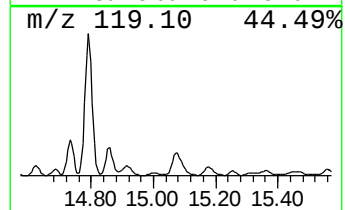
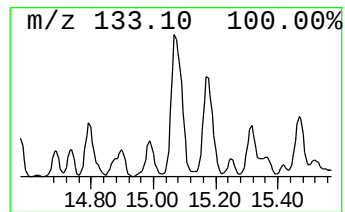
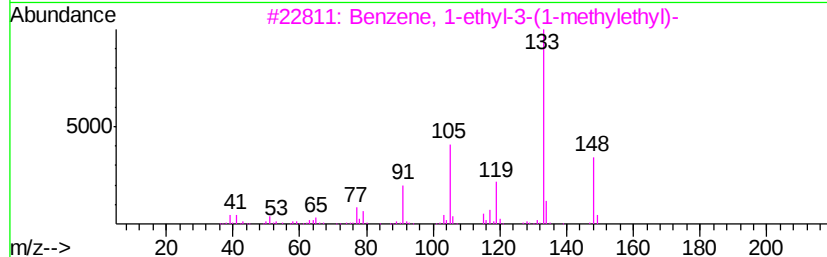
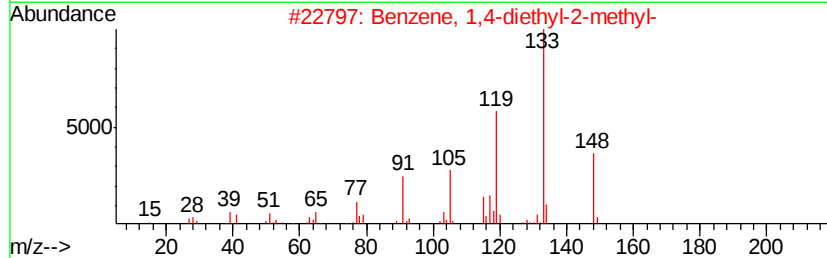
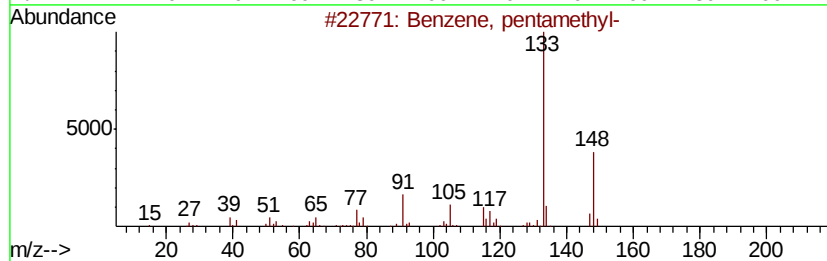
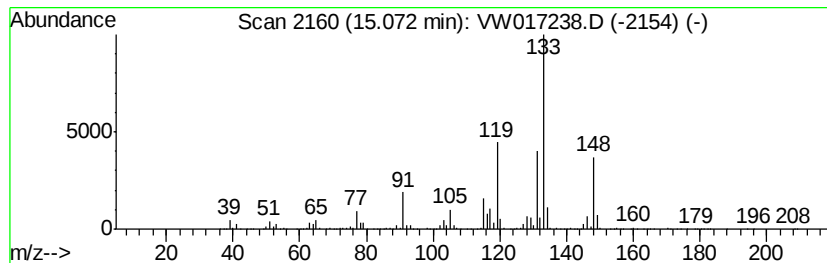
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Quant Title : VOC Analysis

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

Peak Number 38 Benzene, pentamethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	169.05 ug/L	4116380	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, pentamethyl-	148	C11H16	000700-12-9	70
2		Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	62
3		Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	58
4		Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	52
5		Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW111520\
Data File : VW017238.D
Acq On : 15 Nov 2020 15:16
Operator : SY/VA
Sample : L4727-09
Misc : 5.11G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AC3

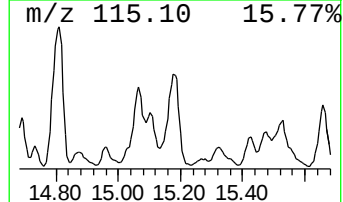
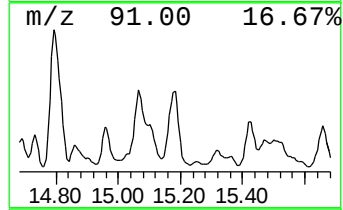
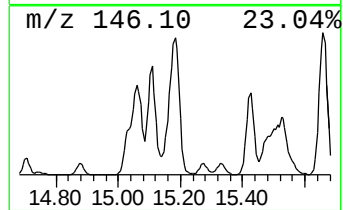
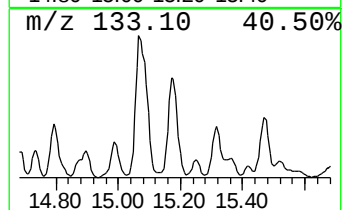
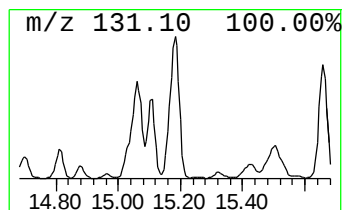
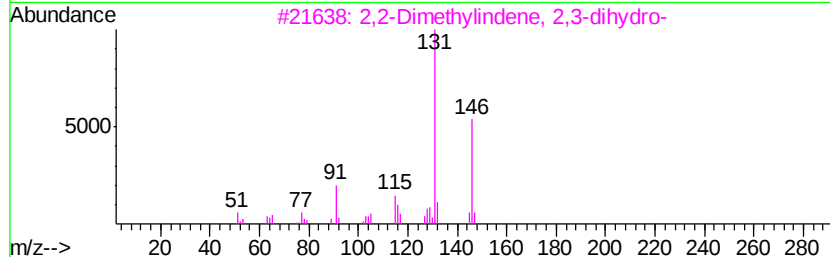
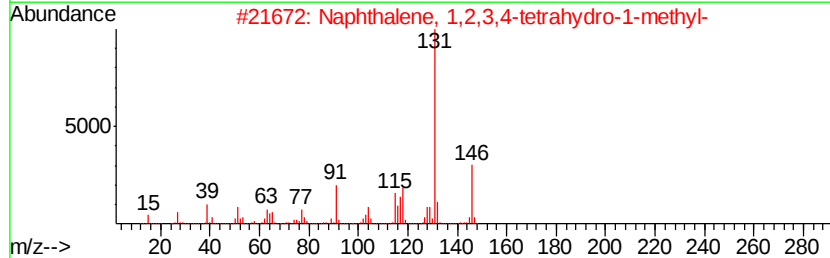
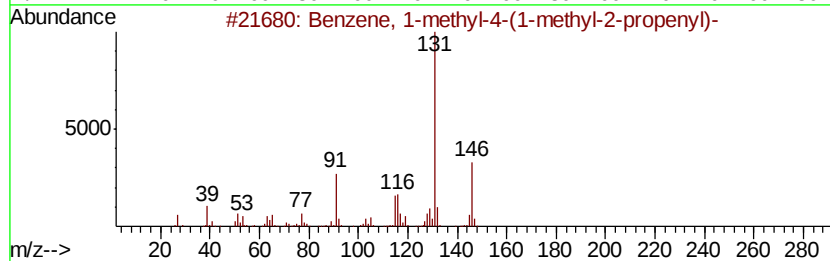
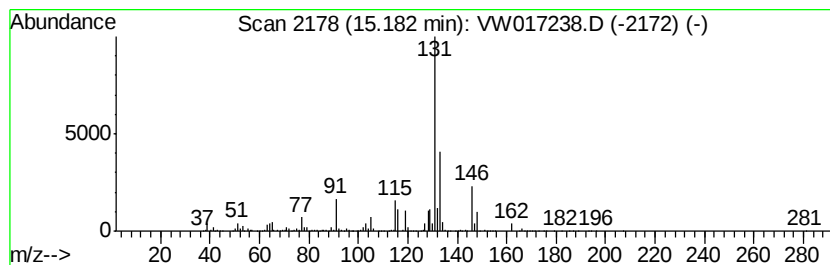
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Quant Title : VOC Analysis

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

Peak Number 39 Benzene, 1-methyl-4-(1-meth... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.18	220.87 ug/L	5378120	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	70
2		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	64
3		2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	64
4		1,3-Cyclopentadiene, 5-(trans-2-...	146	C11H14	079209-36-2	64
5		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW111520\
Data File : VW017238.D
Acq On : 15 Nov 2020 15:16
Operator : SY/VA
Sample : L4727-09
Misc : 5.11G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AC3

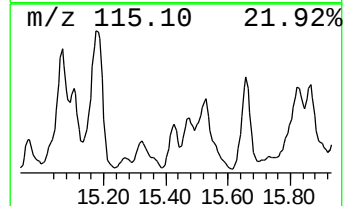
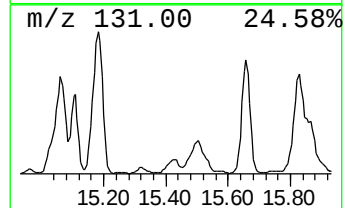
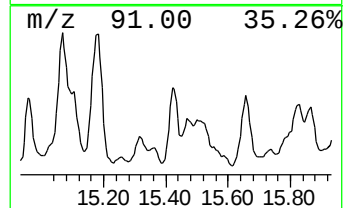
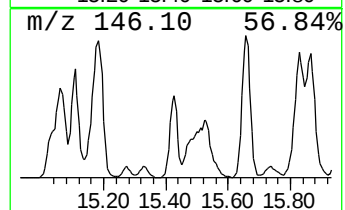
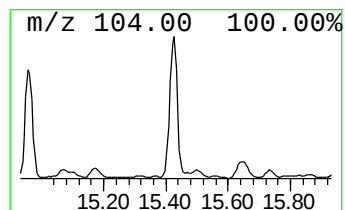
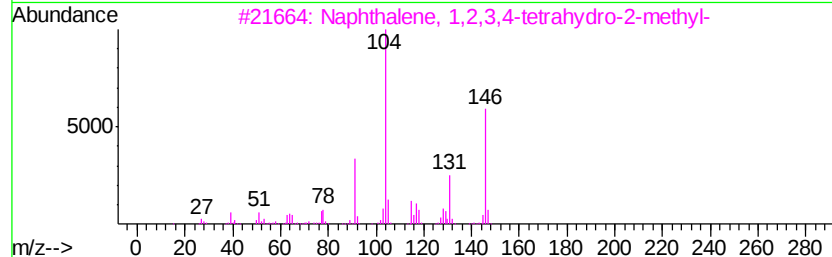
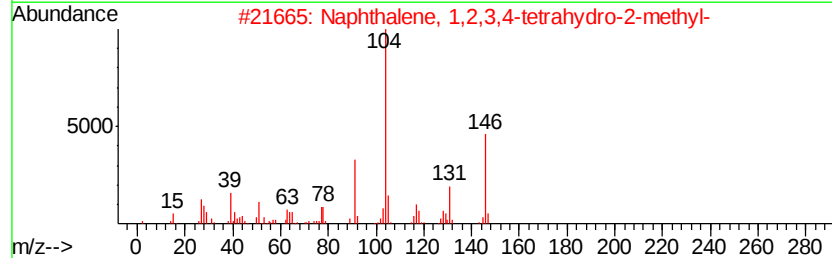
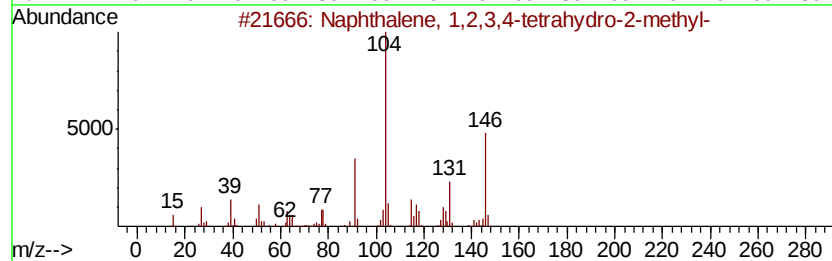
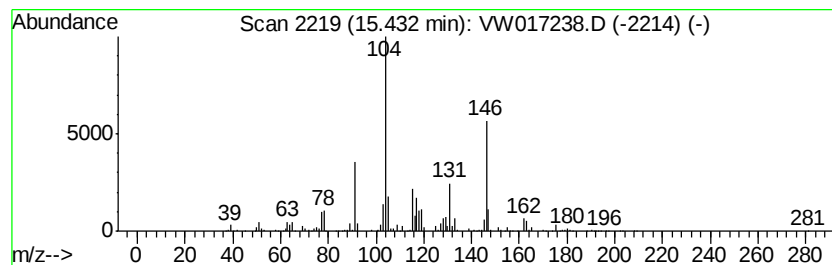
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Quant Title : VOC Analysis

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

Peak Number 40 Naphthalene, 1,2,3,4-tetrahydro... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.43	42.85 ug/L	1043480	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro...	146	C11H14	003877-19-8	91
2		Naphthalene, 1,2,3,4-tetrahydro...	146	C11H14	003877-19-8	90
3		Naphthalene, 1,2,3,4-tetrahydro...	146	C11H14	003877-19-8	81
4		Naphthalene, 1,2,3,4-tetrahydro...	146	C11H14	003877-19-8	74
5		2(1H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000530-93-8	74



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW111520\
Data File : VW017238.D
Acq On : 15 Nov 2020 15:16
Operator : SY/VA
Sample : L4727-09
Misc : 5.11G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AC3

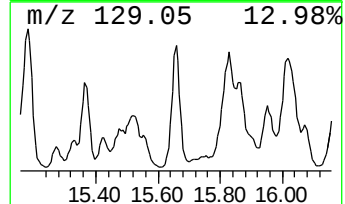
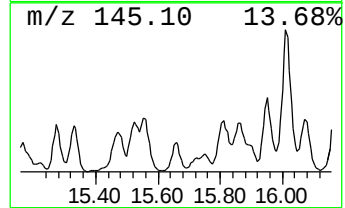
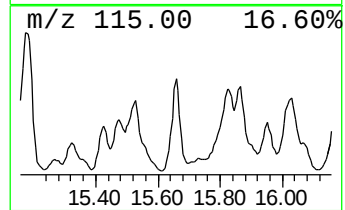
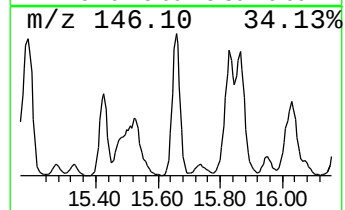
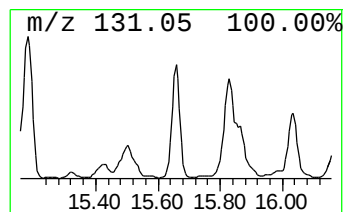
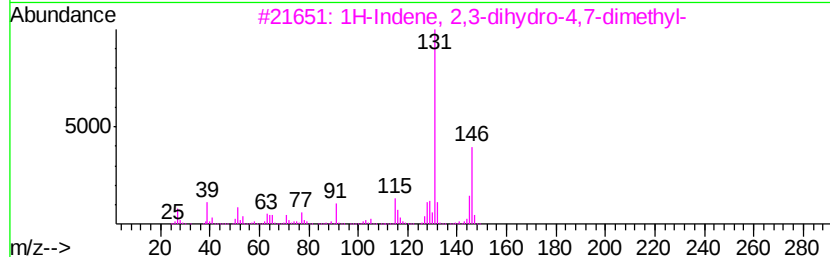
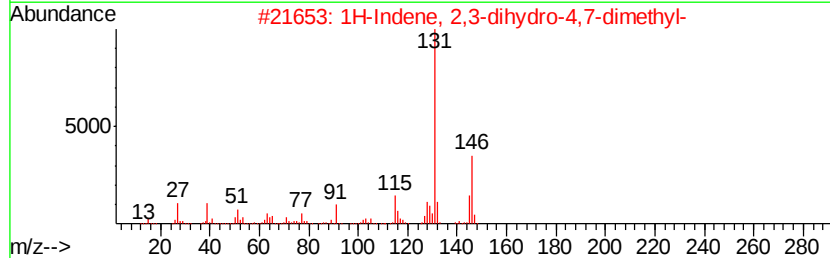
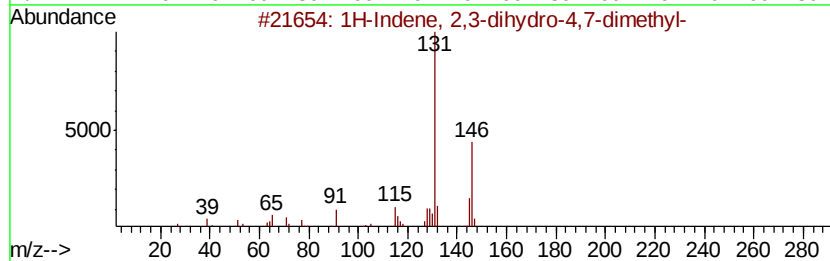
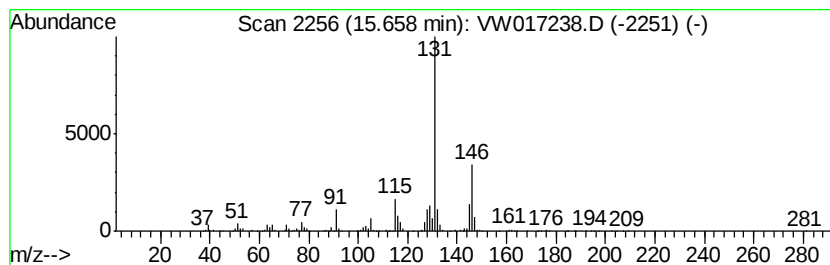
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Quant Title : VOC Analysis

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

Peak Number 41 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	110.09 ug/L	2680580	1,4-Dichlorobenzene-d4	13.56

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	94
3		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
4		1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	94
5		Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW111520\
Data File : VW017238.D
Acq On : 15 Nov 2020 15:16
Operator : SY/VA
Sample : L4727-09
Misc : 5.11G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AC3

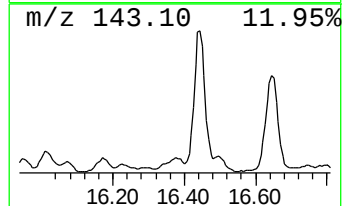
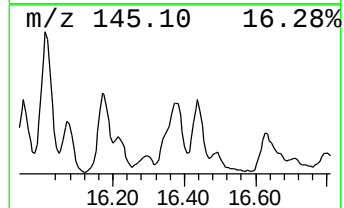
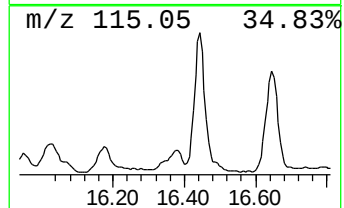
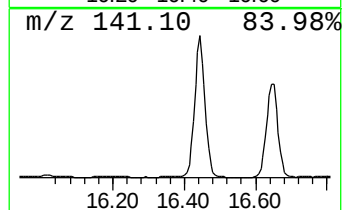
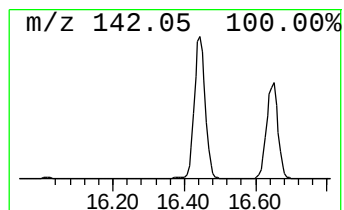
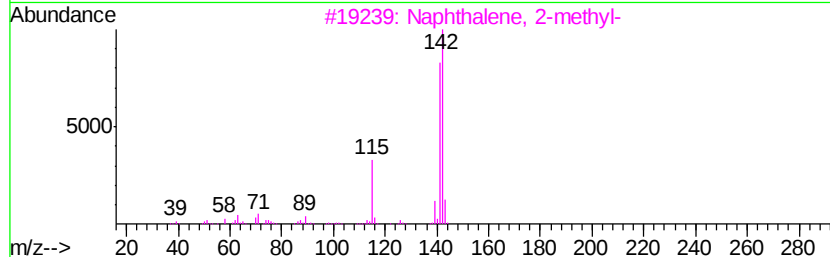
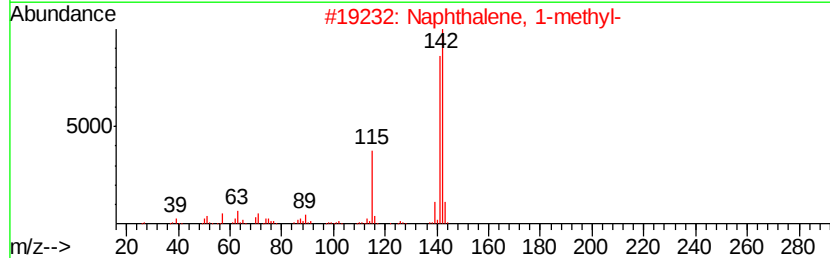
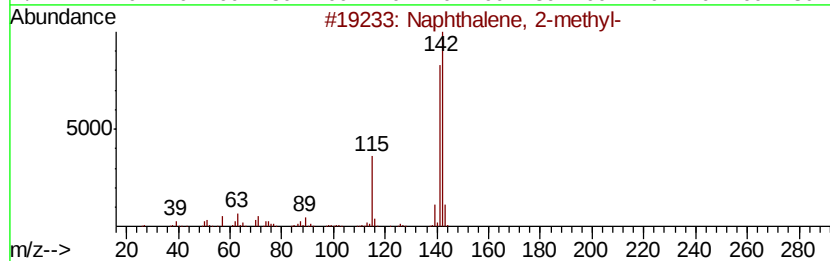
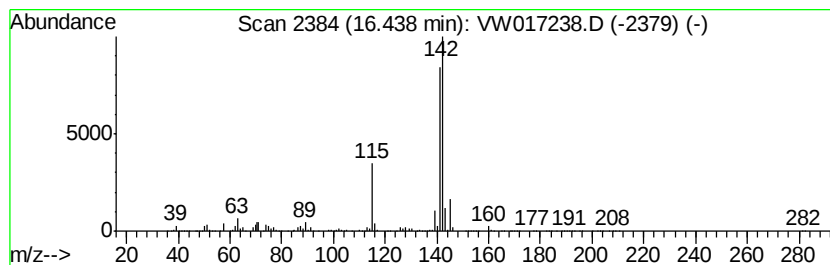
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Quant Title : VOC Analysis

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

Peak Number 42 Naphthalene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.44	314.17 ug/L	7650040	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
4		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
5		Benzocycloheptatriene	142	C11H10	000264-09-5	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW111520\
Data File : VW017238.D
Acq On : 15 Nov 2020 15:16
Operator : SY/VA
Sample : L4727-09
Misc : 5.11G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AC3

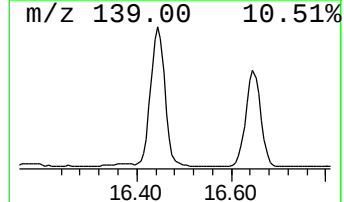
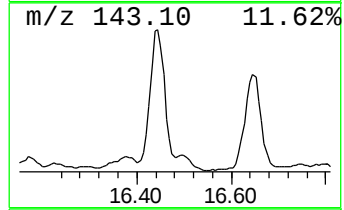
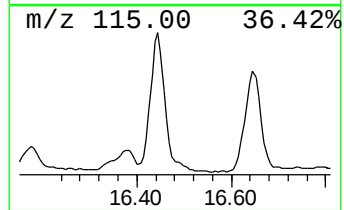
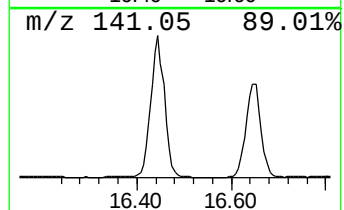
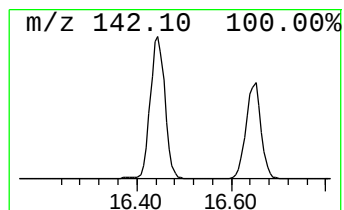
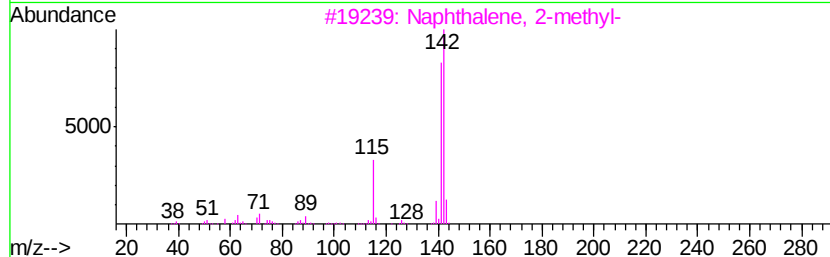
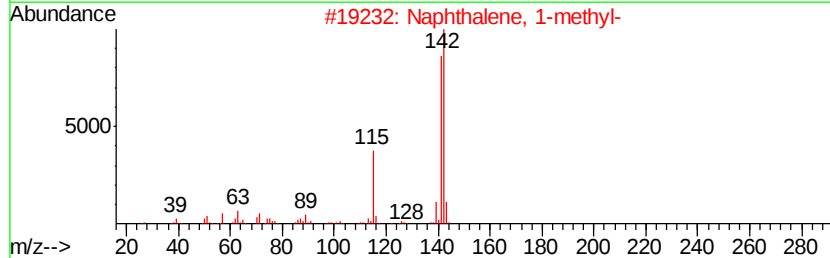
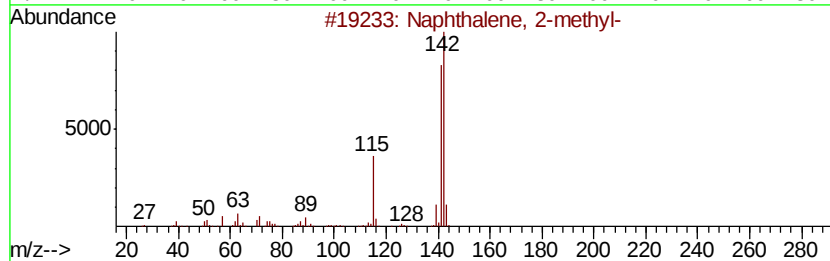
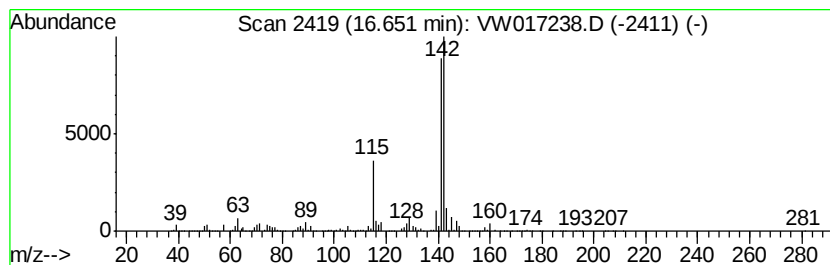
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Quant Title : VOC Analysis

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

Peak Number 43 Benzocycloheptatriene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.65	251.98 ug/L	6135810	1,4-Dichlorobenzene-d4	13.56

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
4		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
5		Benzocycloheptatriene	142	C11H10	000264-09-5	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111520\
 Data File : VW017238.D
 Acq On : 15 Nov 2020 15:16
 Operator : SY/VA
 Sample : L4727-09
 Misc : 5.11G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 C0AC3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.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...	11.23	2.3	ug/L	51483	2	11.63	565571	25.0
(DEL) Alkane: Cyc...	11.44	3.3	ug/L	73437	2	11.63	565571	25.0
(DEL) Alkane: Cyc...	11.98	1.7	ug/L	38346	2	11.63	565571	25.0
Cyclopentane, 1-m...	12.04	1.3	ug/L	30384	2	11.63	565571	25.0
(DEL) Alkane: Str...	12.37	18.7	ug/L	423957	2	11.63	565571	25.0
(DEL) Alkane: Cyc...	12.78	17.7	ug/L	431708	3	13.56	608751	25.0
Glycine, furan-2-...	12.87	8.0	ug/L	194524	3	13.56	608751	25.0
Mesitylene	12.94	86.8	ug/L	2114870	3	13.56	608751	25.0
Benzene, 1-ethyl-...	13.10	48.6	ug/L	1182890	3	13.56	608751	25.0
Benzene, 1,2,4-tr...	13.26	33.7	ug/L	820370	3	13.56	608751	25.0
Benzeneacetaldehy...	13.38	9.4	ug/L	228574	3	13.56	608751	25.0
p-Cymene	13.44	21.3	ug/L	517824	3	13.56	608751	25.0
(DEL) Alkane: Str...	13.70	11.6	ug/L	281756	3	13.56	608751	25.0
Benzene, cyclopro...	13.76	41.9	ug/L	1020320	3	13.56	608751	25.0
Benzene, 1-ethyl-...	13.79	80.2	ug/L	1951580	3	13.56	608751	25.0
Benzene, 1-methyl...	13.95	38.7	ug/L	943060	3	13.56	608751	25.0
Benzene, 2-ethyl-...	14.01	65.2	ug/L	1587680	3	13.56	608751	25.0
Benzene, 4-ethyl-...	14.10	90.6	ug/L	2206880	3	13.56	608751	25.0
(E)-1-Phenyl-1-bu...	14.16	16.7	ug/L	407217	3	13.56	608751	25.0
1-Phenyl-1-butene	14.21	112.1	ug/L	2730190	3	13.56	608751	25.0
3,4-Dimethylcumene	14.26	34.3	ug/L	834788	3	13.56	608751	25.0
Naphthalene, deca...	14.38	39.7	ug/L	967773	3	13.56	608751	25.0
Benzene, 2,4-diet...	14.51	32.2	ug/L	784768	3	13.56	608751	25.0
unknown-01	14.55	80.6	ug/L	1962740	3	13.56	608751	25.0
Benzene, 2-etheny...	14.69	50.3	ug/L	1224300	3	13.56	608751	25.0
Benzene, 1,2,4,5-...	14.79	375.4	ug/L	9140540	3	13.56	608751	25.0
Benzene, 1-methyl...	14.86	57.9	ug/L	1410740	3	13.56	608751	25.0
Naphthalene, 1,2,...	14.96	55.0	ug/L	1338900	3	13.56	608751	25.0
Benzene, pentamet...	15.07	169.1	ug/L	4116380	3	13.56	608751	25.0
Benzene, 1-methyl...	15.18	220.9	ug/L	5378120	3	13.56	608751	25.0
Naphthalene, 1,2,...	15.43	42.9	ug/L	1043480	3	13.56	608751	25.0
1H-Indene, 2,3-di...	15.66	110.1	ug/L	2680580	3	13.56	608751	25.0
Naphthalene, 1-me...	16.44	314.2	ug/L	7650040	3	13.56	608751	25.0
Benzocycloheptatr...	16.65	252.0	ug/L	6135810	3	13.56	608751	25.0