

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW073120\
 Data File : VW016023.D
 Acq On : 31 Jul 2020 16:36
 Operator : SY/VA
 Sample : L3533-01
 Misc : 5.18G/10ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CB7H4

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\SOM2WLM072020S.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	2.355	65	74	84	rBV	93398	175478	14.52%	0.698%
2	2.891	154	162	176	rVV	59472	152997	12.66%	0.609%
3	4.013	335	346	358	rVV	152399	422812	34.98%	1.683%
4	4.208	371	378	389	rVB2	19255	53002	4.38%	0.211%
5	4.916	480	494	518	rBV2	62664	255280	21.12%	1.016%
6	5.440	567	580	592	rBV5	16738	58091	4.81%	0.231%
7	5.946	650	663	675	rVB	17876	54262	4.49%	0.216%
8	6.988	824	834	842	rVV3	15664	49144	4.07%	0.196%
9	7.086	842	850	855	rVV	27813	78538	6.50%	0.313%
10	7.147	855	860	879	rVV	29673	99774	8.25%	0.397%
11	7.653	932	943	961	rVV	200151	498932	41.27%	1.986%
12	7.933	978	989	990	rBV2	24544	49496	4.09%	0.197%
13	8.031	999	1005	1017	rVB2	27910	71810	5.94%	0.286%
14	8.159	1017	1026	1032	rBV	39474	85777	7.10%	0.341%
15	8.281	1032	1046	1060	rVV2	402130	1189797	98.43%	4.735%
16	8.433	1062	1071	1074	rVV3	27975	64435	5.33%	0.256%
17	8.488	1075	1080	1089	rVV5	38049	130212	10.77%	0.518%
18	8.573	1089	1094	1105	rVB2	33862	77224	6.39%	0.307%
19	8.848	1129	1139	1150	rBV	404347	831042	68.75%	3.307%
20	9.092	1168	1179	1187	rBV4	30433	81266	6.72%	0.323%
21	9.281	1201	1210	1215	rBV	265178	605658	50.10%	2.410%
22	9.335	1215	1219	1225	rVV	185989	378139	31.28%	1.505%
23	9.384	1225	1227	1234	rVV	22730	37258	3.08%	0.148%
24	9.610	1255	1264	1270	rVB2	27707	61363	5.08%	0.244%
25	9.756	1279	1288	1299	rVB2	59867	125692	10.40%	0.500%
26	9.896	1299	1311	1316	rBV2	65811	145869	12.07%	0.580%
27	9.957	1316	1321	1325	rBV3	21618	38518	3.19%	0.153%
28	10.037	1329	1334	1339	rBV	117831	197894	16.37%	0.788%
29	10.091	1339	1343	1347	rVB4	22896	39212	3.24%	0.156%
30	10.250	1364	1369	1374	rVB2	18857	35418	2.93%	0.141%
31	10.323	1374	1381	1397	rBV	596022	1208800	100.00%	4.810%
32	10.500	1404	1410	1418	rVB4	52642	136825	11.32%	0.544%
33	10.579	1418	1423	1429	rBV	73141	142154	11.76%	0.566%
34	10.664	1432	1437	1442	rBV	88385	156559	12.95%	0.623%

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 Title : VOC Analysis

35	10.762	1448	1453	1459	rVB4	47649	85291	7.06%	0.339%
36	10.927	1473	1480	1488	rBV3	134275	259197	21.44%	1.031%
37	11.042	1488	1499	1500	rBV5	27667	59103	4.89%	0.235%
38	11.183	1513	1522	1526	rVV	115651	241156	19.95%	0.960%
39	11.231	1526	1530	1535	rVV	134767	224436	18.57%	0.893%
40	11.286	1535	1539	1543	rVV2	26183	36909	3.05%	0.147%
41	11.341	1543	1548	1552	rVV2	44023	68772	5.69%	0.274%
42	11.439	1552	1564	1571	rVB3	74379	206435	17.08%	0.822%
43	11.512	1571	1576	1581	rBV2	41677	69390	5.74%	0.276%
44	11.634	1589	1596	1606	rBV	459410	848980	70.23%	3.379%
45	11.725	1606	1611	1615	rBV2	37663	63531	5.26%	0.253%
46	11.768	1615	1618	1621	rVB	29279	35136	2.91%	0.140%
47	11.829	1621	1628	1629	rBV4	35105	73049	6.04%	0.291%
48	11.878	1632	1636	1640	rBV	76282	115510	9.56%	0.460%
49	12.042	1658	1663	1671	rVB5	37843	95429	7.89%	0.380%
50	12.140	1671	1679	1686	rBV4	141965	367581	30.41%	1.463%
51	12.256	1694	1698	1702	rVB	89527	140391	11.61%	0.559%
52	12.304	1702	1706	1707	rBV	51755	66808	5.53%	0.266%
53	12.341	1707	1712	1718	rBV4	127505	327198	27.07%	1.302%
54	12.469	1728	1733	1742	rBV4	135958	258499	21.38%	1.029%
55	12.615	1752	1757	1761	rVB3	62117	105216	8.70%	0.419%
56	12.695	1764	1770	1780	rBV	216675	482750	39.94%	1.921%
57	12.780	1780	1784	1792	rVB3	181891	419249	34.68%	1.668%
58	12.865	1792	1798	1802	rBV4	106736	220865	18.27%	0.879%
59	12.938	1802	1810	1816	rBV4	230602	554597	45.88%	2.207%
60	12.993	1817	1819	1823	rVB3	62915	77942	6.45%	0.310%
61	13.048	1823	1828	1831	rBV2	86059	154878	12.81%	0.616%
62	13.085	1831	1834	1836	rBV4	34831	46080	3.81%	0.183%
63	13.170	1844	1848	1857	rVB3	168840	315950	26.14%	1.257%
64	13.255	1858	1862	1866	rVV	89690	131792	10.90%	0.524%
65	13.292	1866	1868	1872	rVV2	47438	58830	4.87%	0.234%
66	13.347	1873	1877	1878	rVV3	37512	52144	4.31%	0.208%
67	13.384	1879	1883	1887	rVV3	95303	167882	13.89%	0.668%
68	13.444	1888	1893	1897	rVV5	159187	335051	27.72%	1.333%
69	13.493	1897	1901	1907	rVV2	138777	267884	22.16%	1.066%
70	13.560	1907	1912	1921	rVB2	226438	474389	39.24%	1.888%
71	13.719	1931	1938	1941	rBV3	126221	255301	21.12%	1.016%

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72	13.755	1941	1944	1948	rVV2	160350	268677	22.23%	1.069%
73	13.798	1948	1951	1954	rVV2	82802	132986	11.00%	0.529%
74	13.877	1957	1964	1969	rVB3	380180	826441	68.37%	3.289%
75	14.018	1984	1987	1989	rBV2	46912	66569	5.51%	0.265%
76	14.097	1995	2000	2005	rVB	404013	589955	48.81%	2.348%
77	14.207	2012	2018	2023	rVB3	308309	545838	45.16%	2.172%
78	14.267	2023	2028	2034	rBV6	104854	220400	18.23%	0.877%
79	14.341	2034	2040	2044	rBV3	127214	266679	22.06%	1.061%
80	14.389	2044	2048	2050	rVV2	233512	364540	30.16%	1.451%
81	14.420	2050	2053	2057	rVV	292841	457321	37.83%	1.820%
82	14.456	2057	2059	2063	rVB	105199	123598	10.22%	0.492%
83	14.499	2063	2066	2070	rBV	130034	192068	15.89%	0.764%
84	14.548	2070	2074	2081	rVB3	142883	296231	24.51%	1.179%
85	14.694	2094	2098	2100	rBV3	68641	107969	8.93%	0.430%
86	14.731	2101	2104	2109	rVB3	151066	233499	19.32%	0.929%
87	14.798	2109	2115	2120	rBV2	395376	899597	74.42%	3.580%
88	14.847	2120	2123	2130	rVB3	219747	478726	39.60%	1.905%
89	15.066	2154	2159	2163	rBV3	182914	291667	24.13%	1.161%
90	15.109	2163	2166	2171	rVV3	69176	146214	12.10%	0.582%
91	15.176	2172	2177	2185	rVB3	210261	460900	38.13%	1.834%
92	15.328	2197	2202	2211	rBV3	353760	616302	50.98%	2.453%
93	15.554	2237	2239	2248	rVB4	109594	231902	19.18%	0.923%
94	15.664	2249	2257	2263	rBV6	103755	310630	25.70%	1.236%
95	15.737	2264	2269	2274	rVV4	91353	168883	13.97%	0.672%
96	15.950	2301	2304	2309	rVB4	50866	80640	6.67%	0.321%
97	16.170	2334	2340	2345	rBV5	81556	193908	16.04%	0.772%
98	16.285	2354	2359	2366	rVB	210716	396781	32.82%	1.579%
99	16.444	2380	2385	2389	rBV2	55787	118767	9.83%	0.473%
100	16.639	2410	2417	2430	rVB8	128247	488558	40.42%	1.944%

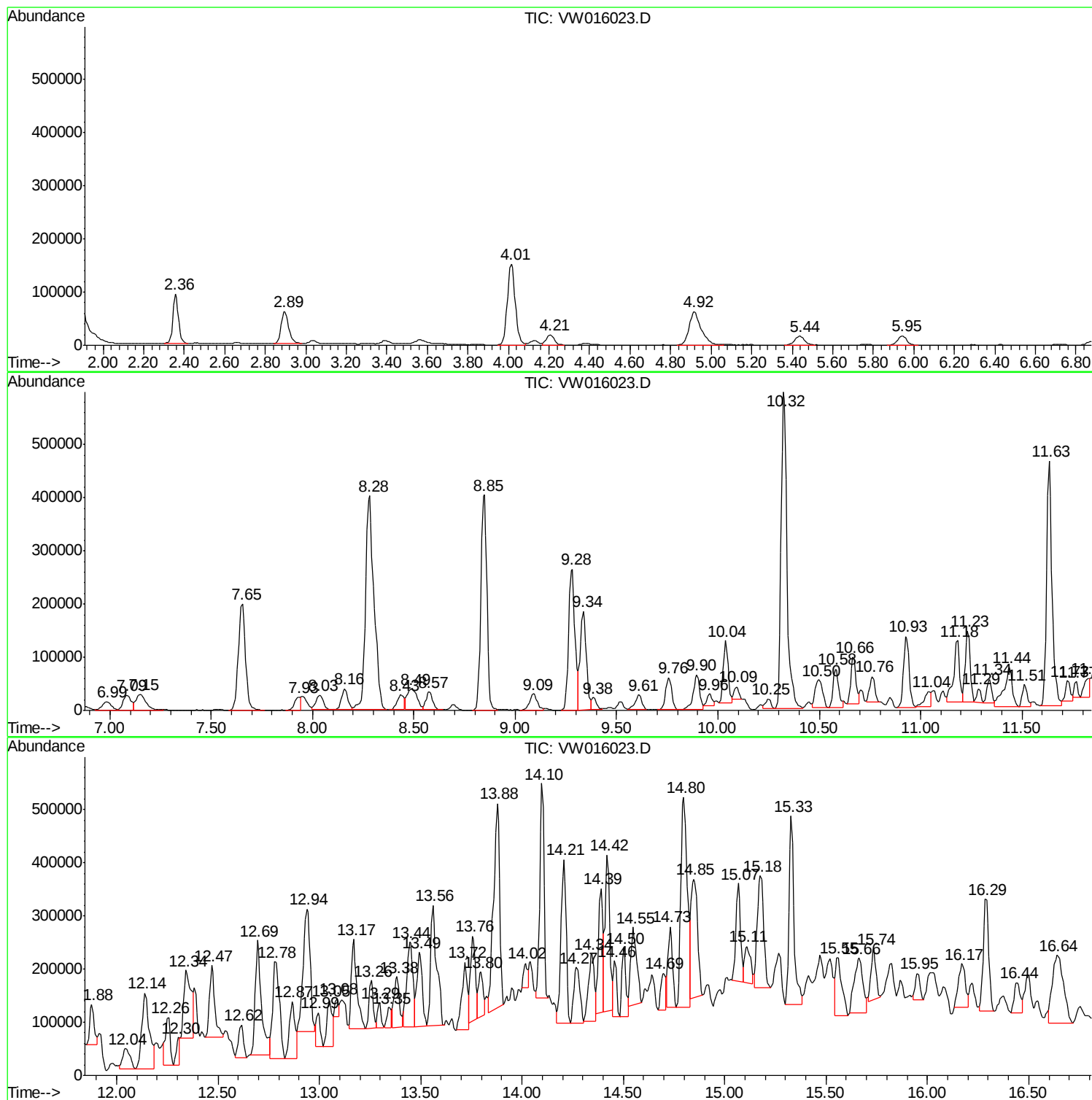
Sum of corrected areas: 25128575

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Instrument :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

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



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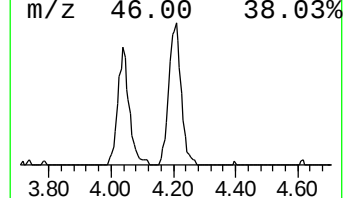
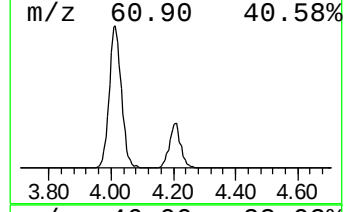
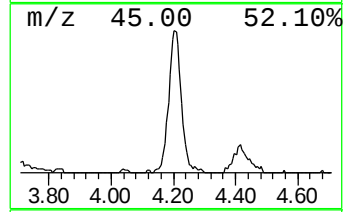
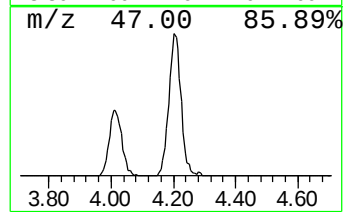
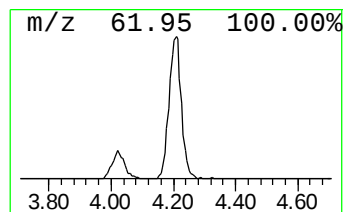
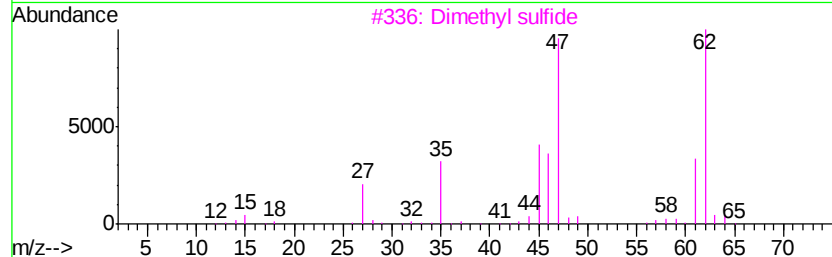
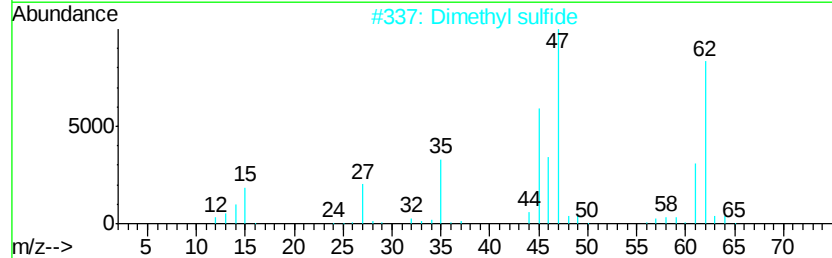
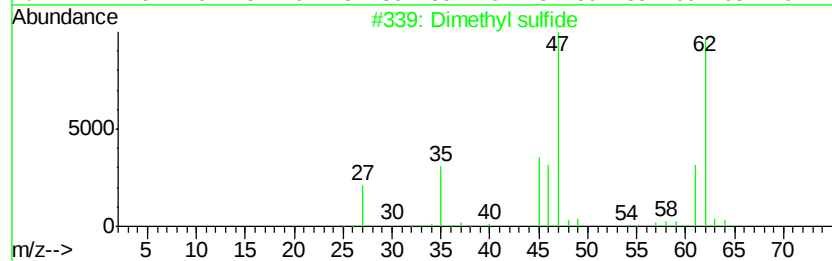
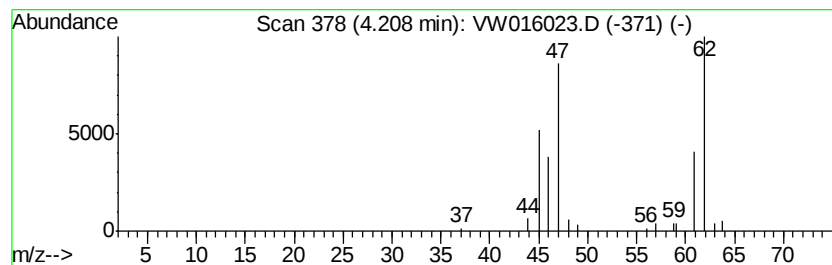
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

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

Peak Number 1 Dimethyl sulfide Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.21	1.59 ug/L	53002	1,4-Difluorobenzene	8.85

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dimethyl sulfide	62	C2H6S	000075-18-3	91
2			Dimethyl sulfide	62	C2H6S	000075-18-3	91
3			Dimethyl sulfide	62	C2H6S	000075-18-3	91
4			Dimethyl sulfide	62	C2H6S	000075-18-3	91
5			Borane-methyl sulfide complex	76	C2H9BS	013292-87-0	83



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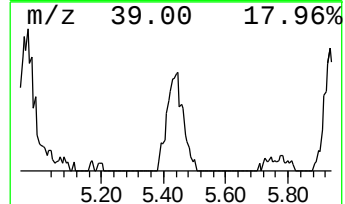
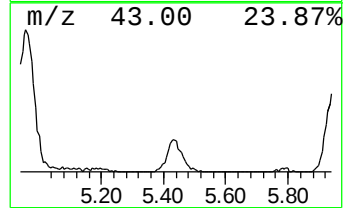
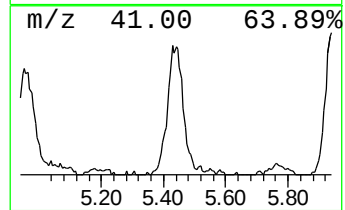
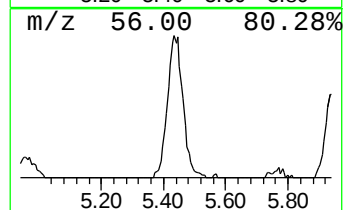
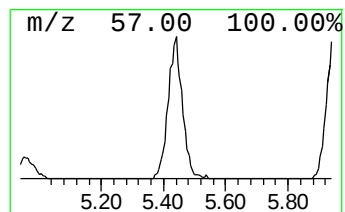
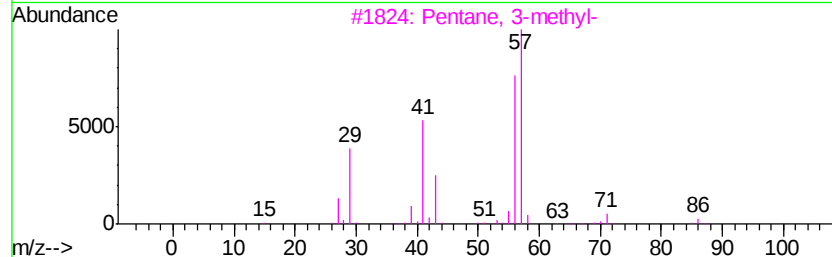
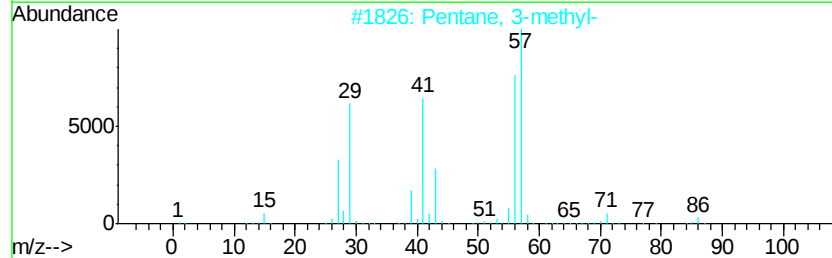
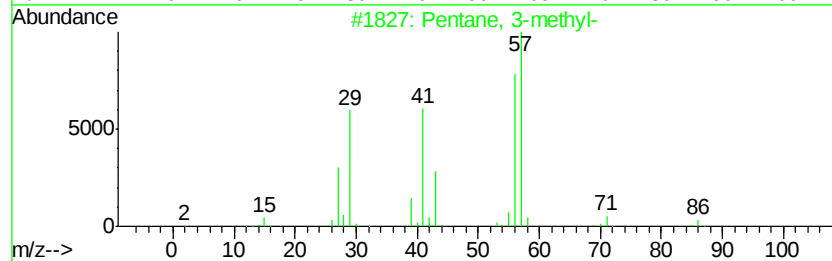
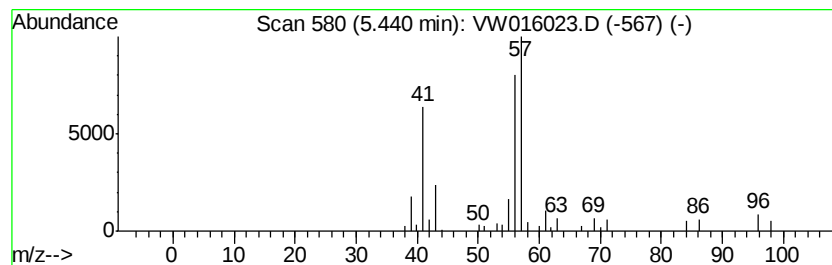
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.44	1.75 ug/L	58091	1,4-Difluorobenzene	8.85

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 3-methyl-	86	C6H14	000096-14-0	64
2			Pentane, 3-methyl-	86	C6H14	000096-14-0	64
3			Pentane, 3-methyl-	86	C6H14	000096-14-0	59
4			1-Hexene, 4-methyl-	98	C7H14	003769-23-1	53
5			1-Hexene, 4-methyl-	98	C7H14	003769-23-1	52



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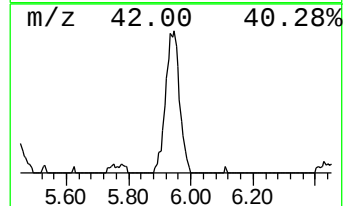
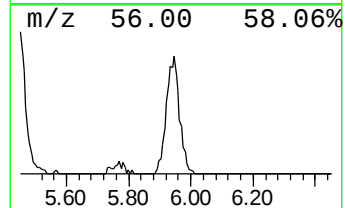
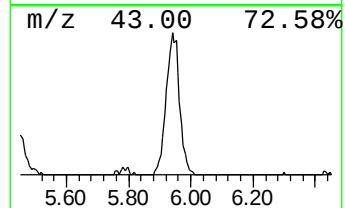
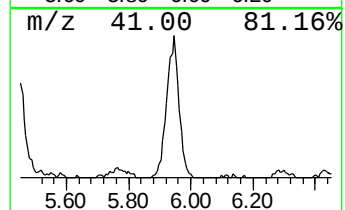
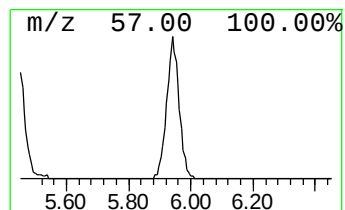
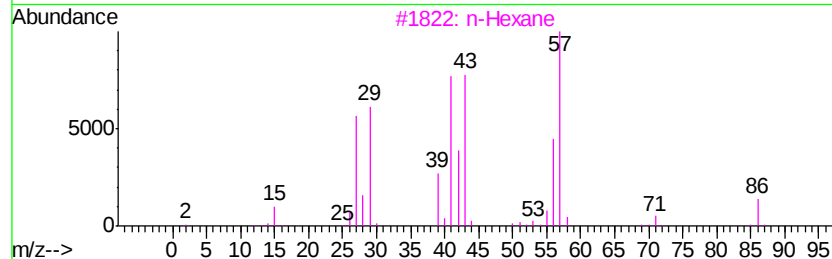
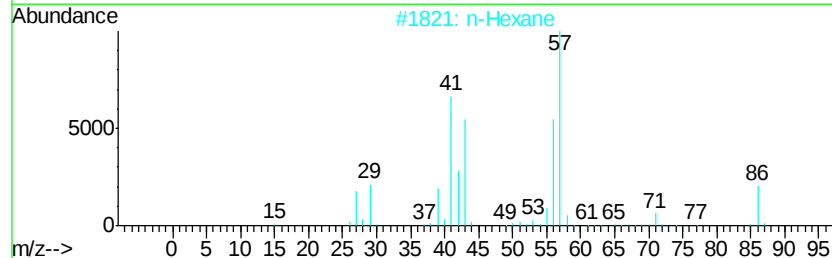
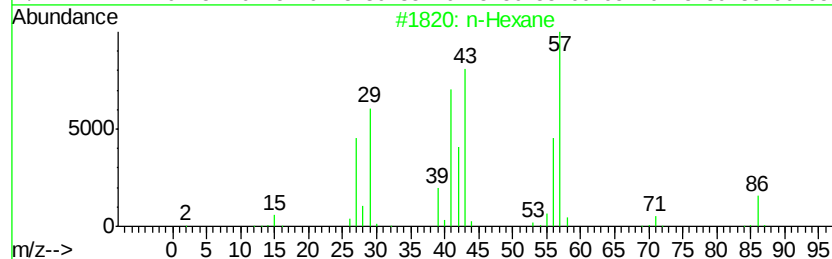
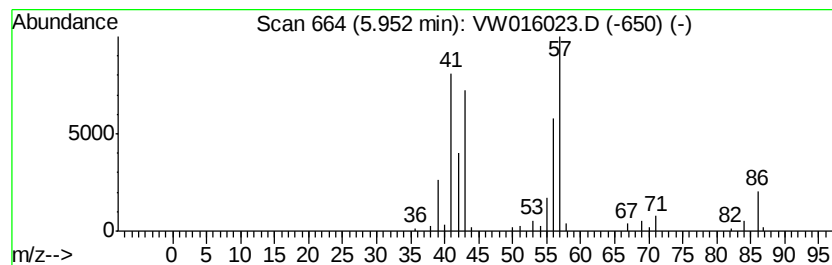
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Quant Title : VOC Analysis

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

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.95	1.63 ug/L	54262	1,4-Difluorobenzene	8.85

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexane	86	C6H14	000110-54-3	64
2			n-Hexane	86	C6H14	000110-54-3	58
3			n-Hexane	86	C6H14	000110-54-3	45
4			1-Pentene, 4-methyl-	84	C6H12	000691-37-2	40
5			Cyclohexane	84	C6H12	000110-82-7	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW073120\
Data File : VW016023.D
Acq On : 31 Jul 2020 16:36
Operator : SY/VA
Sample : L3533-01
Misc : 5.18G/10ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CB7H4

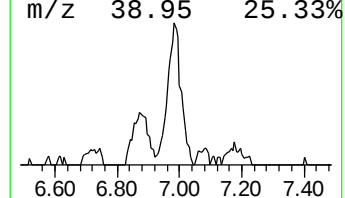
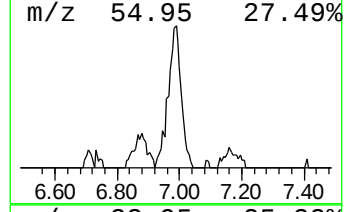
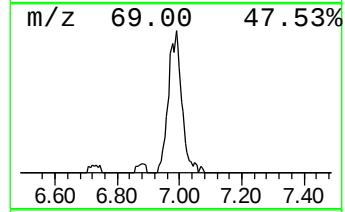
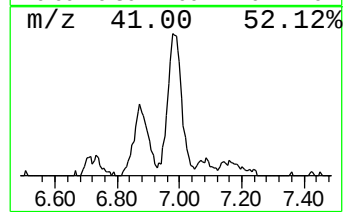
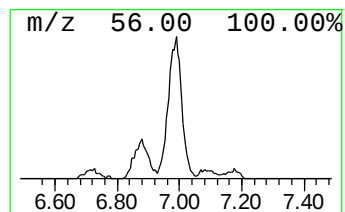
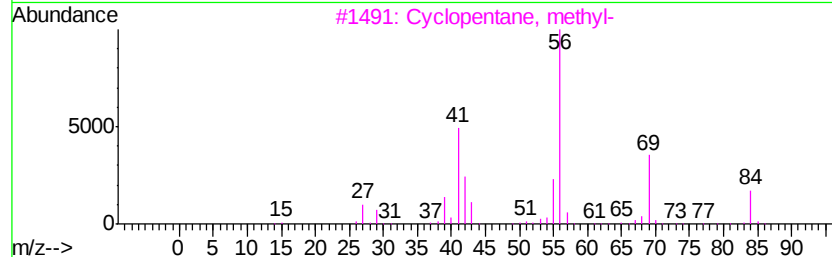
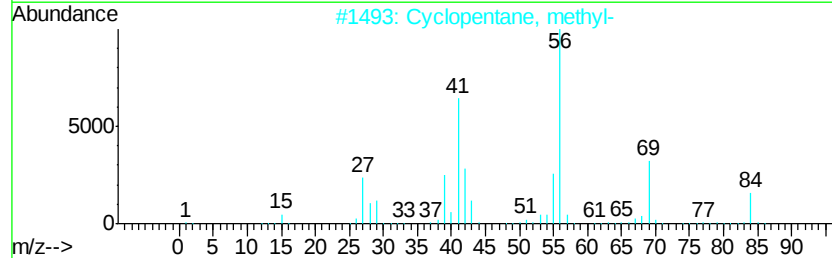
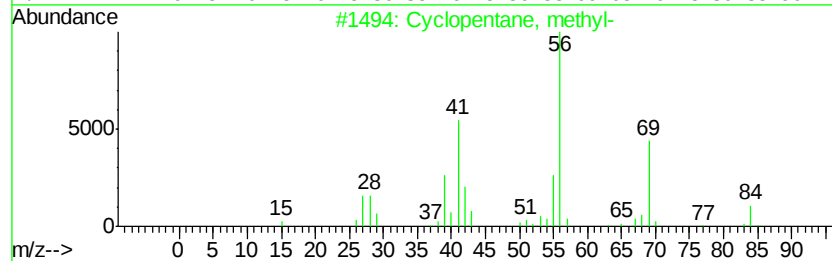
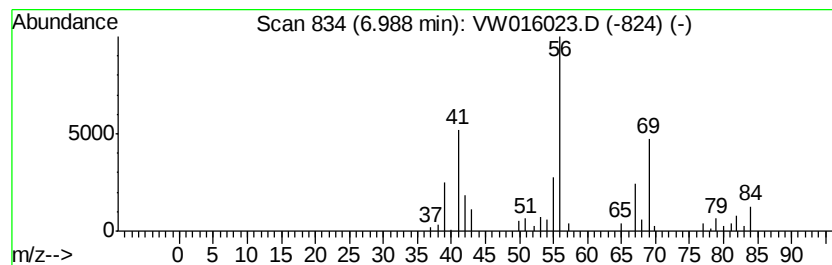
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Quant Title : VOC Analysis

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

Peak Number 4 (DEL) Alkane: Cyclic6.99 Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.99	1.48 ug/L	49144	1,4-Difluorobenzene	8.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, methyl-	84	C6H12	000096-37-7	76
2		Cyclopentane, methyl-	84	C6H12	000096-37-7	58
3		Cyclopentane, methyl-	84	C6H12	000096-37-7	58
4		Propane, 2-cyclopropyl-	84	C6H12	003638-35-5	50
5		1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW073120\
Data File : VW016023.D
Acq On : 31 Jul 2020 16:36
Operator : SY/VA
Sample : L3533-01
Misc : 5.18G/10ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CB7H4

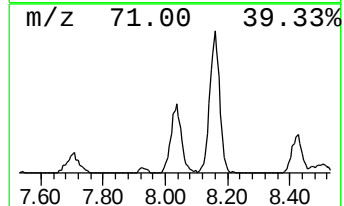
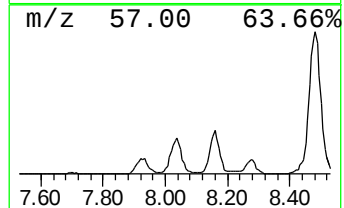
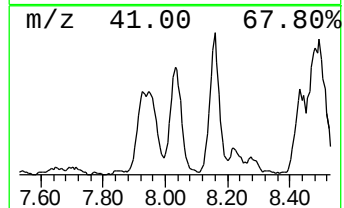
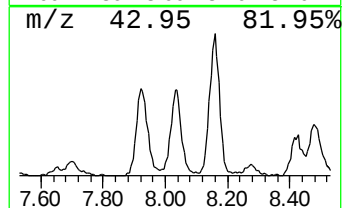
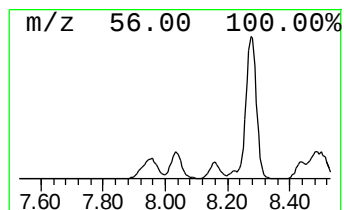
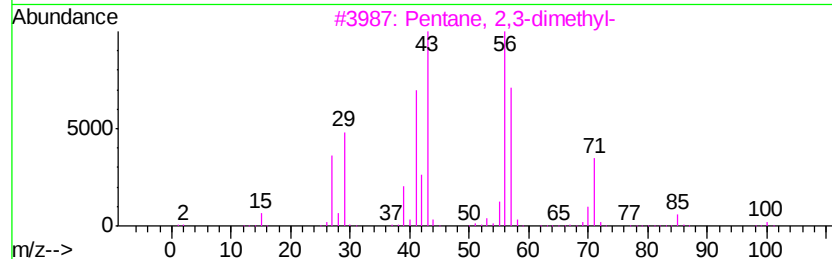
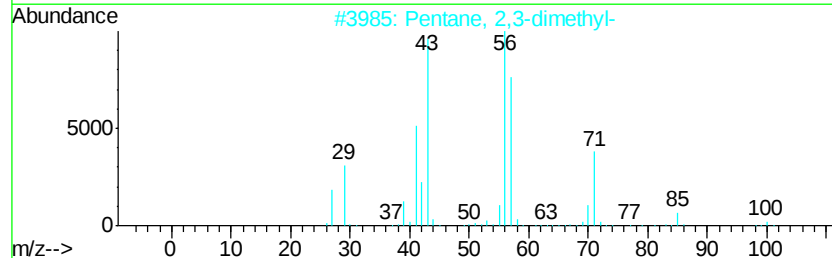
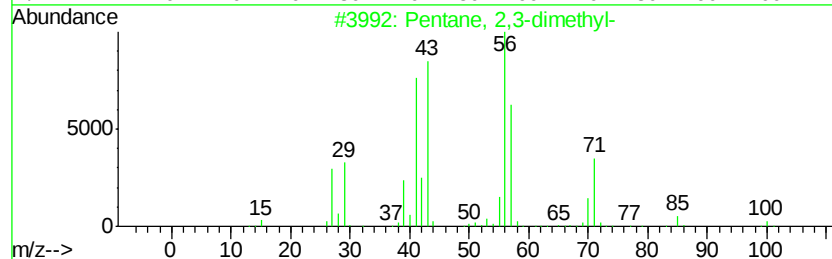
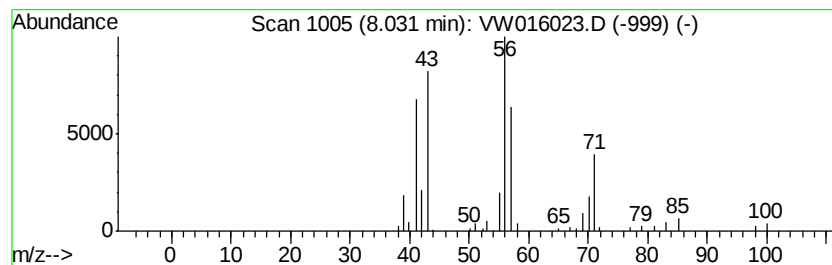
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Quant Title : VOC Analysis

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

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.03	2.16 ug/L	71810	1,4-Difluorobenzene	8.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
2		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
3		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	90
4		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	83
5		1-Hexene, 2-methyl-	98	C7H14	006094-02-6	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW073120\
Data File : VW016023.D
Acq On : 31 Jul 2020 16:36
Operator : SY/VA
Sample : L3533-01
Misc : 5.18G/10ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CB7H4

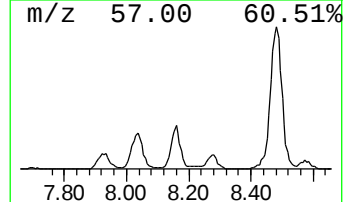
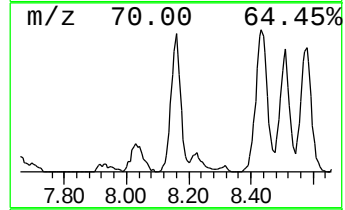
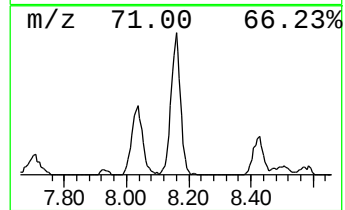
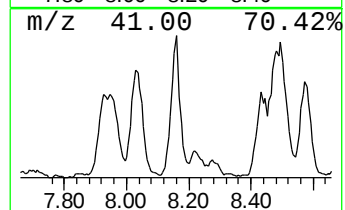
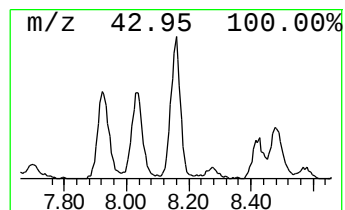
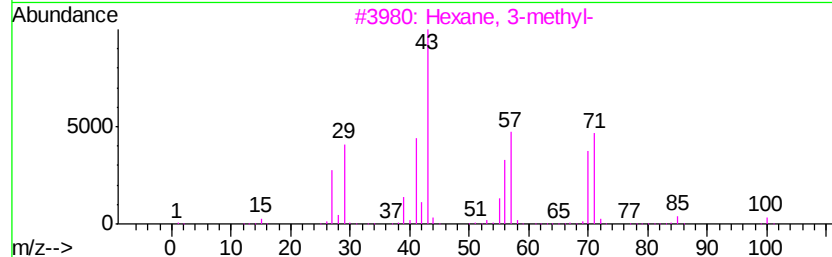
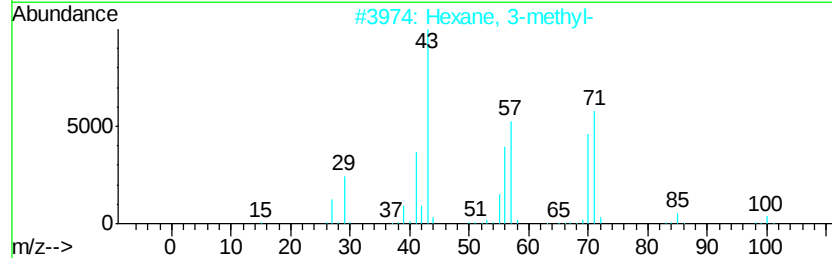
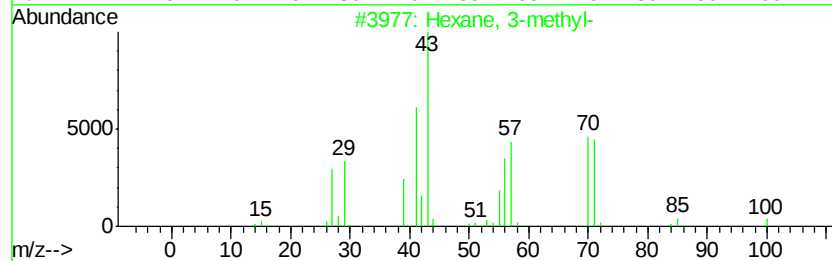
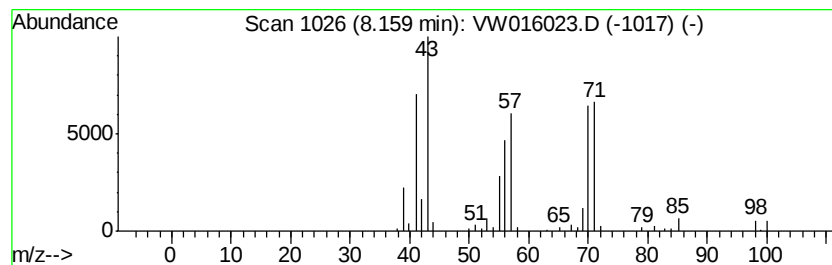
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Quant Title : VOC Analysis

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

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.16	2.58 ug/L	85777	1,4-Difluorobenzene	8.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexane, 3-methyl-	100	C7H16	000589-34-4	94
2		Hexane, 3-methyl-	100	C7H16	000589-34-4	74
3		Hexane, 3-methyl-	100	C7H16	000589-34-4	72
4		Heptane, 3,4-dimethyl-	128	C9H20	000922-28-1	53
5		Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW073120\
Data File : VW016023.D
Acq On : 31 Jul 2020 16:36
Operator : SY/VA
Sample : L3533-01
Misc : 5.18G/10ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CB7H4

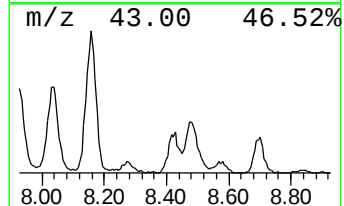
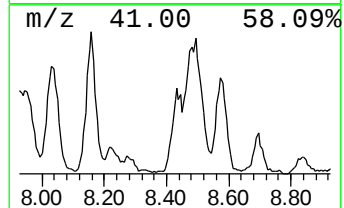
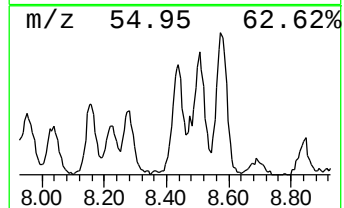
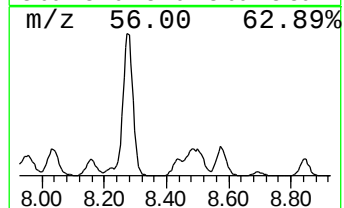
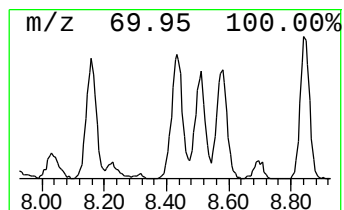
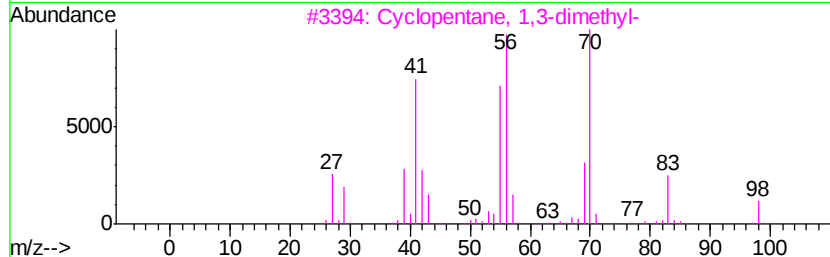
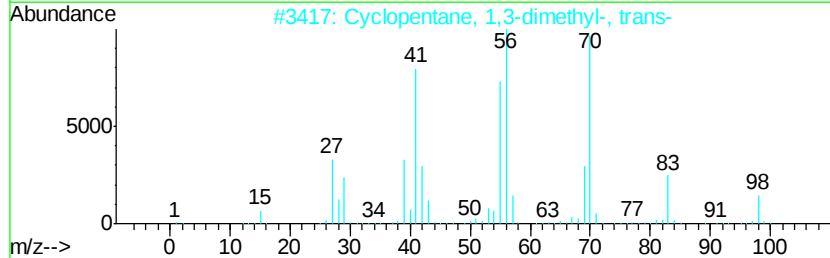
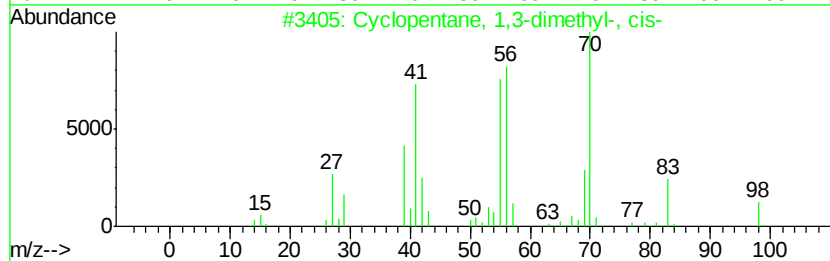
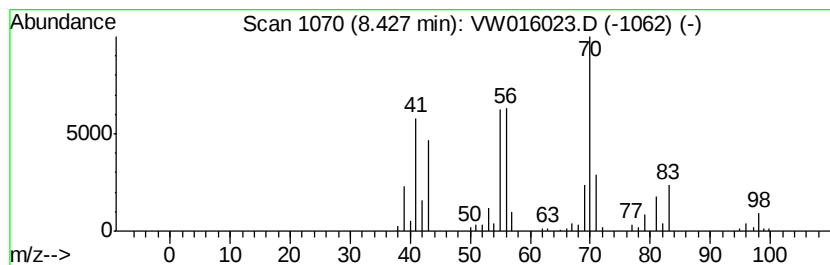
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Quant Title : VOC Analysis

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

Peak Number 7 (DEL) Alkane: Cyclic8.43 Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.43	1.94 ug/L	64435	1,4-Difluorobenzene	8.85

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	87
2			Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	87
3			Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	87
4			Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	81
5			Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	81



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW073120\
Data File : VW016023.D
Acq On : 31 Jul 2020 16:36
Operator : SY/VA
Sample : L3533-01
Misc : 5.18G/10ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
CB7H4

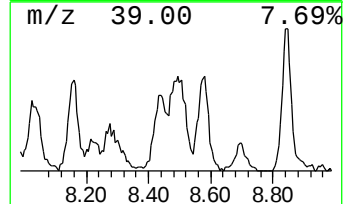
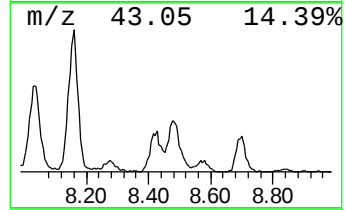
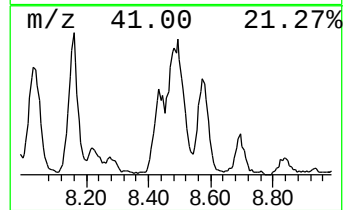
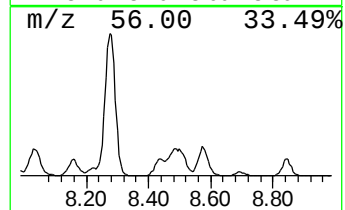
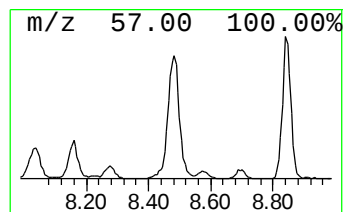
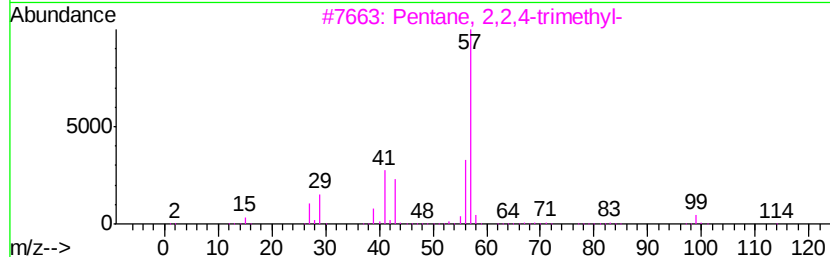
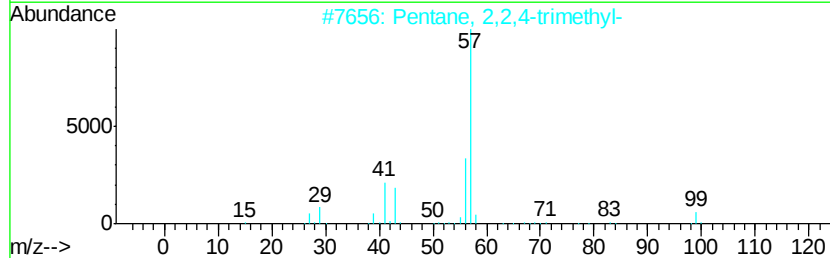
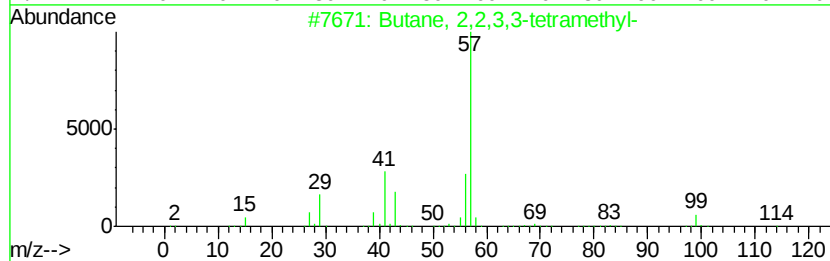
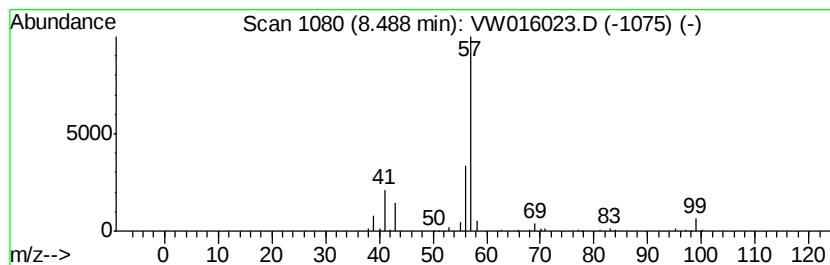
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Quant Title : VOC Analysis

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

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.49	3.92 ug/L	130212	1,4-Difluorobenzene	8.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	78
2		Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	64
3		Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	59
4		Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	59
5		Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW073120\
Data File : VW016023.D
Acq On : 31 Jul 2020 16:36
Operator : SY/VA
Sample : L3533-01
Misc : 5.18G/10ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CB7H4

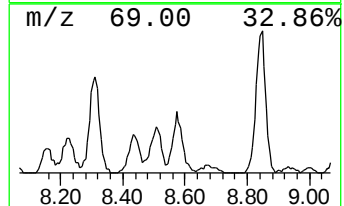
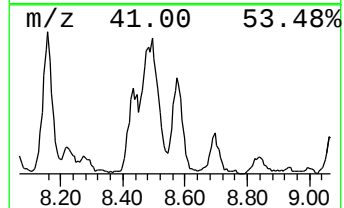
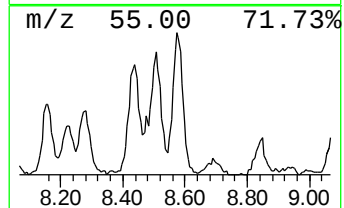
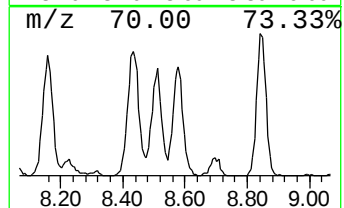
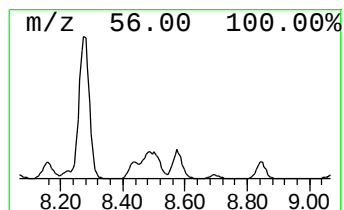
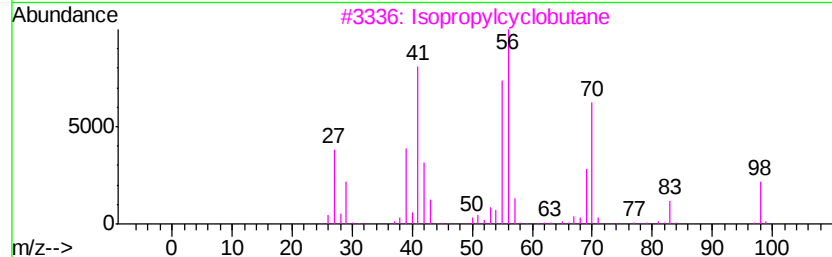
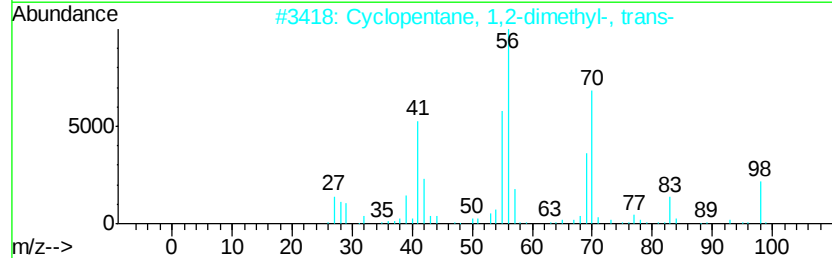
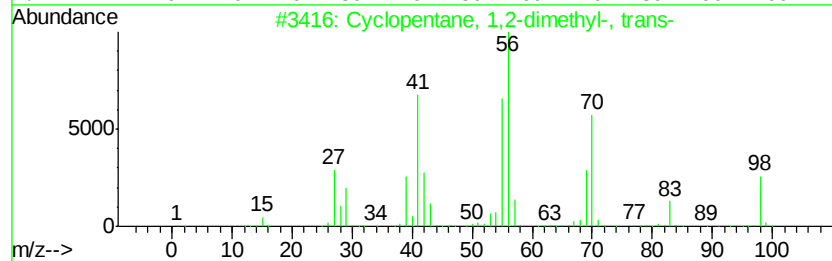
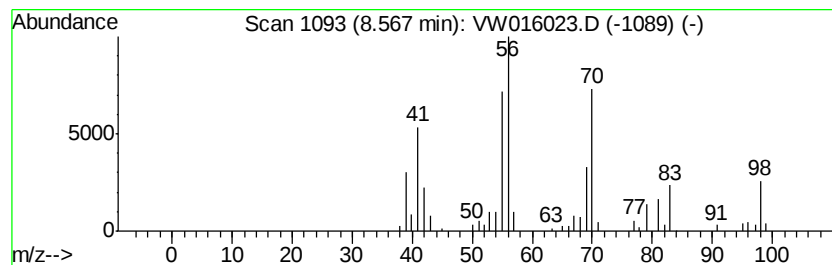
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Quant Title : VOC Analysis

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

Peak Number 9 (DEL) Alkane: Cyclic8.57 Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.57	2.32 ug/L	77224	1,4-Difluorobenzene	8.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	91
2		Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	90
3		Isopropylcyclobutane	98	C7H14	000872-56-0	90
4		1-Heptene	98	C7H14	000592-76-7	87
5		1-Heptene	98	C7H14	000592-76-7	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW073120\
Data File : VW016023.D
Acq On : 31 Jul 2020 16:36
Operator : SY/VA
Sample : L3533-01
Misc : 5.18G/10ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CB7H4

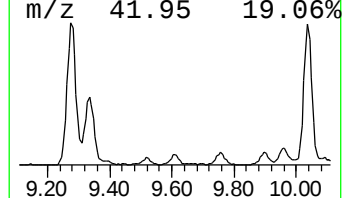
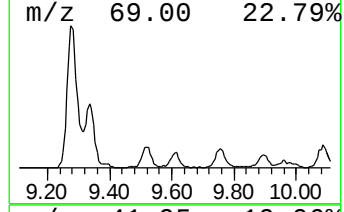
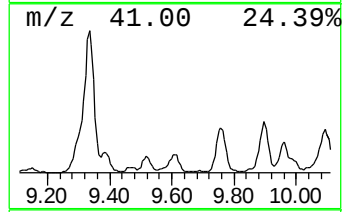
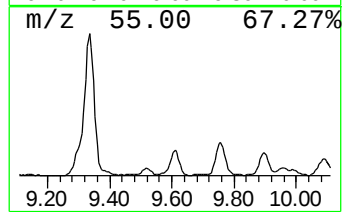
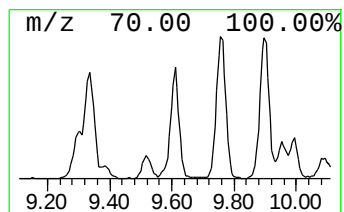
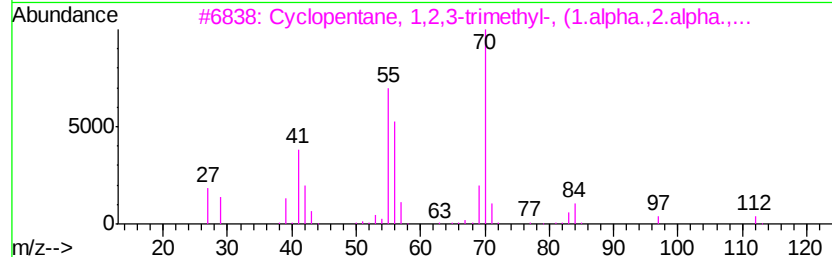
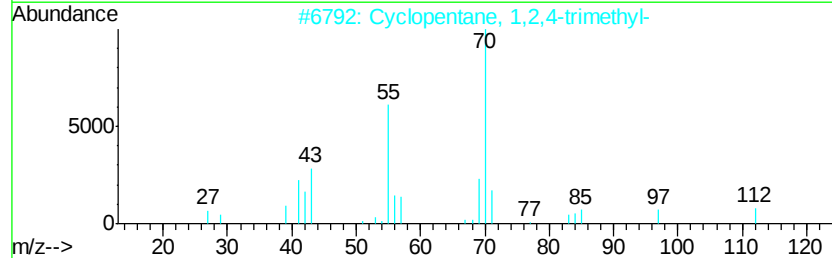
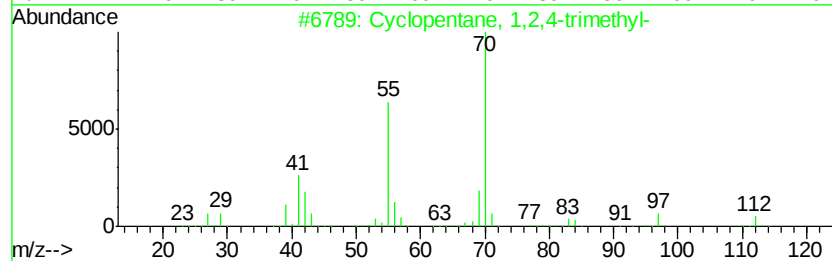
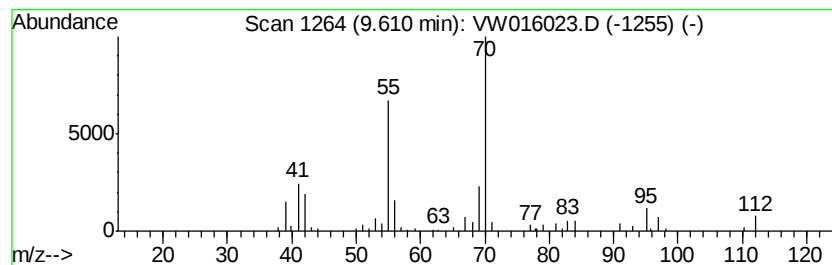
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Quant Title : VOC Analysis

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

Peak Number 10 (DEL) Alkane: Cyclic9.61 Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.61	1.85 ug/L	61363	1,4-Difluorobenzene	8.85

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	90
2			Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	87
3			Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	72
4			Undecane, 3-methylene-	168	C12H24	071138-64-2	72
5			Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	68



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW073120\
Data File : VW016023.D
Acq On : 31 Jul 2020 16:36
Operator : SY/VA
Sample : L3533-01
Misc : 5.18G/10ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CB7H4

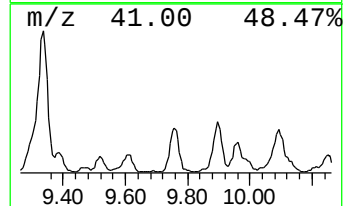
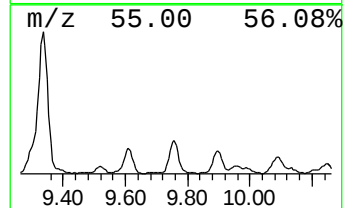
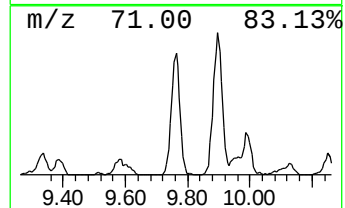
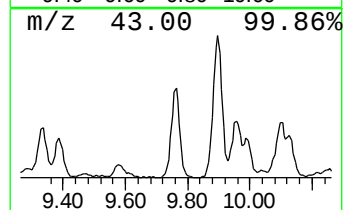
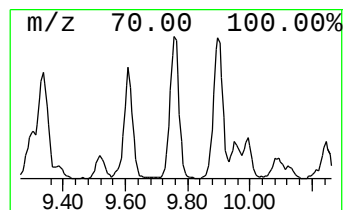
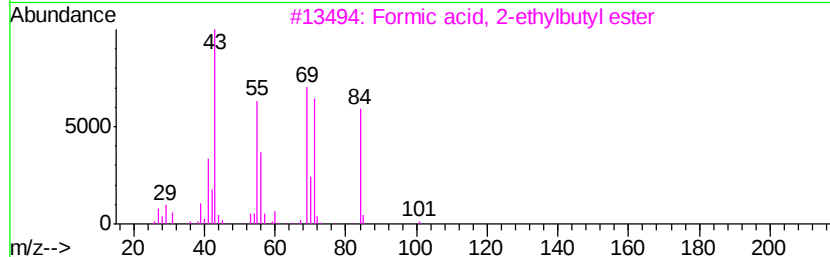
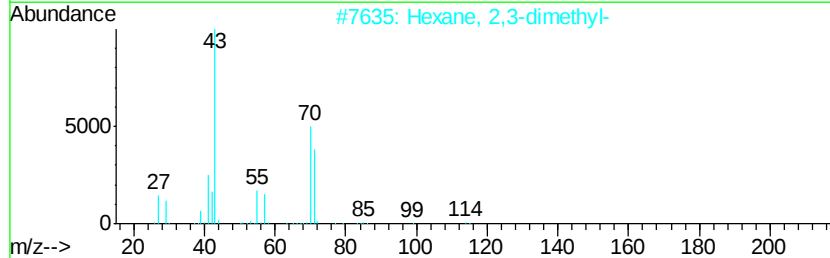
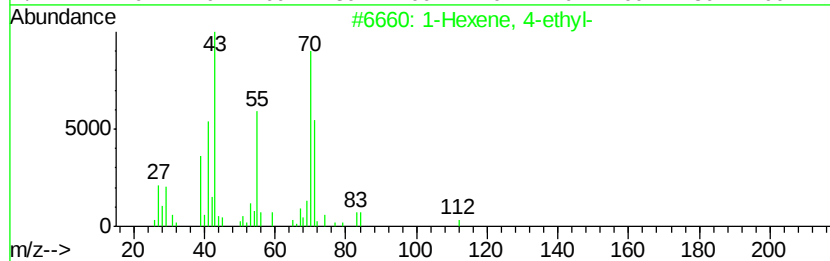
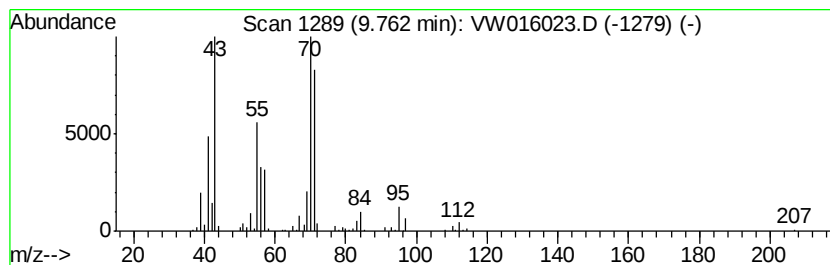
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Quant Title : VOC Analysis

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

Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.76	3.78 ug/L	125692	1,4-Difluorobenzene	8.85

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Hexene, 4-ethyl-	112	C8H16	016746-85-3	74
2			Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	53
3			Formic acid, 2-ethylbutyl ester	130	C7H14O2	1000367-92-2	50
4			Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	49
5			Acetic acid, 2-ethylhexyl ester	172	C10H20O2	000103-09-3	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW073120\
Data File : VW016023.D
Acq On : 31 Jul 2020 16:36
Operator : SY/VA
Sample : L3533-01
Misc : 5.18G/10ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CB7H4

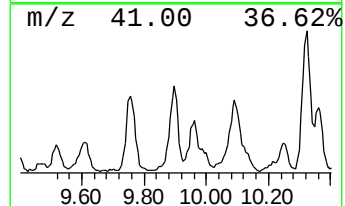
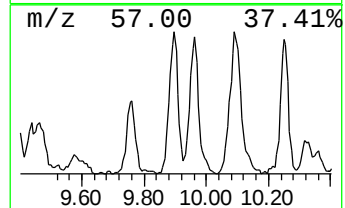
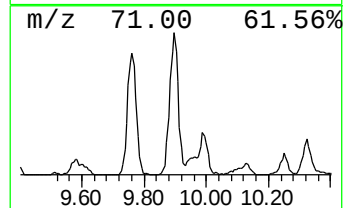
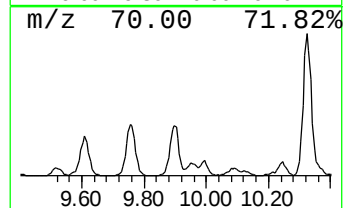
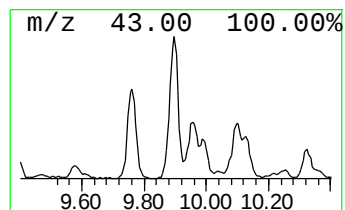
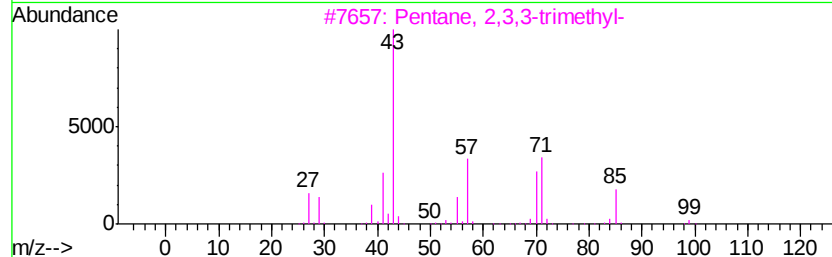
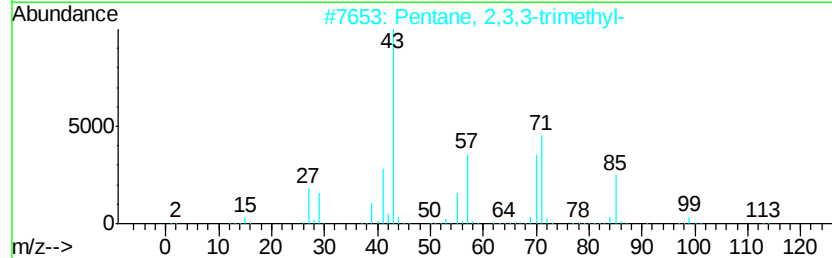
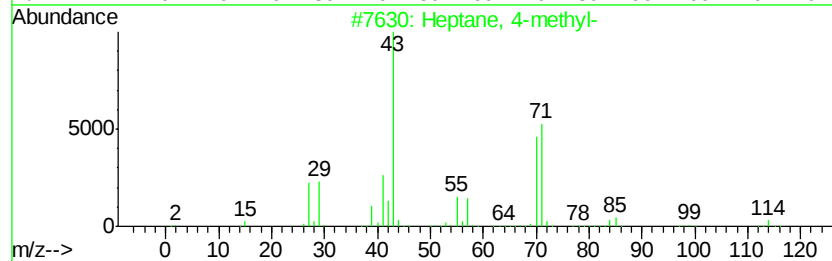
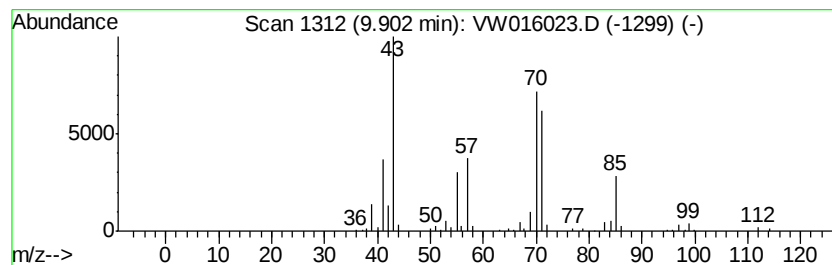
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Quant Title : VOC Analysis

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

Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.90	4.39 ug/L	145869	1,4-Difluorobenzene	8.85

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 4-methyl-	114	C8H18	000589-53-7	64
2			Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	64
3			Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	64
4			Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	64
5			Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW073120\
Data File : VW016023.D
Acq On : 31 Jul 2020 16:36
Operator : SY/VA
Sample : L3533-01
Misc : 5.18G/10ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CB7H4

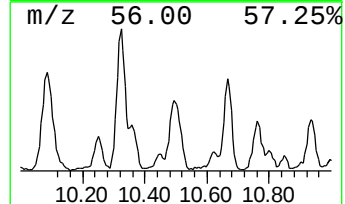
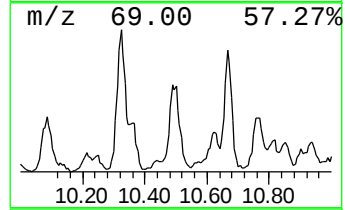
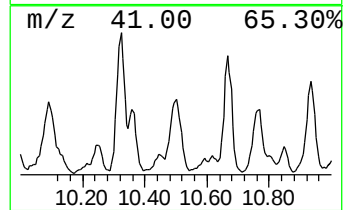
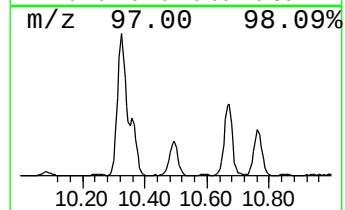
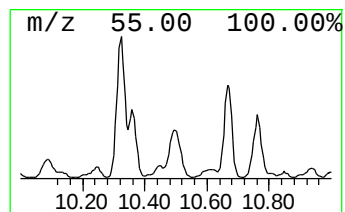
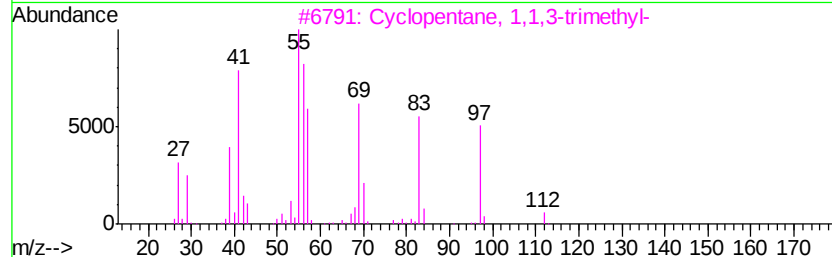
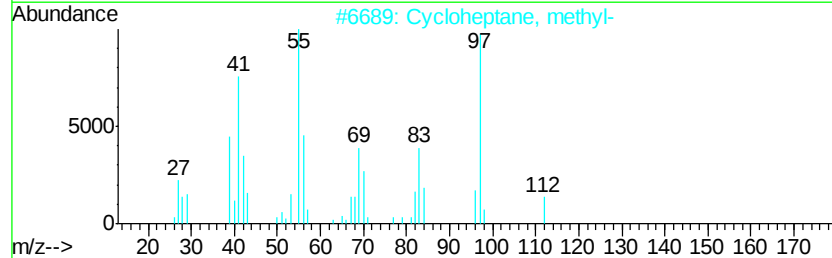
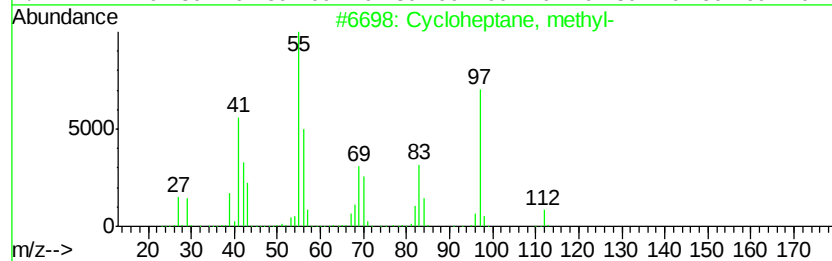
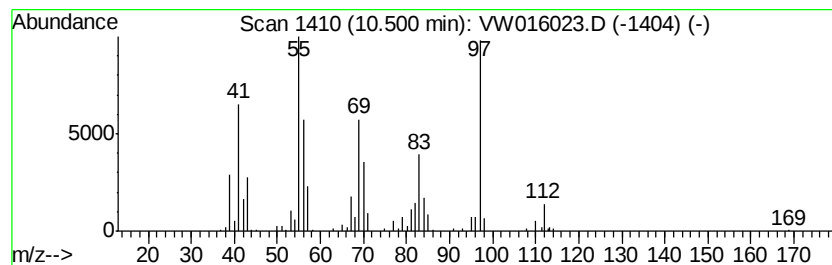
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Quant Title : VOC Analysis

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

Peak Number 14 (DEL) Alkane: Cyclic10.50 Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.50	4.03 ug/L	136825	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cycloheptane, methyl-	112	C8H16	004126-78-7	91
2		Cycloheptane, methyl-	112	C8H16	004126-78-7	90
3		Cyclopentane, 1,1,3-trimethyl-	112	C8H16	004516-69-2	68
4		Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	64
5		Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW073120\
Data File : VW016023.D
Acq On : 31 Jul 2020 16:36
Operator : SY/VA
Sample : L3533-01
Misc : 5.18G/10ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CB7H4

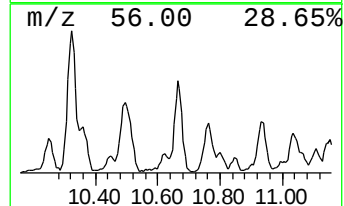
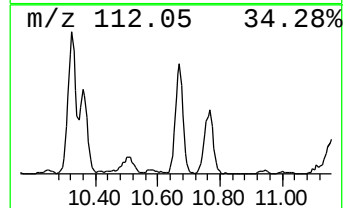
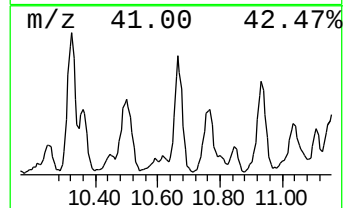
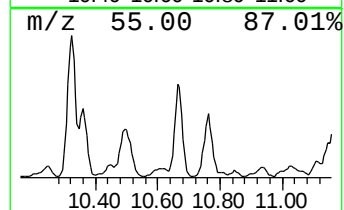
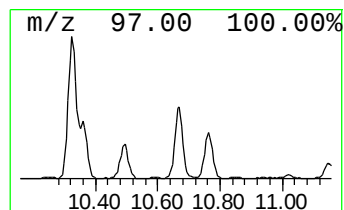
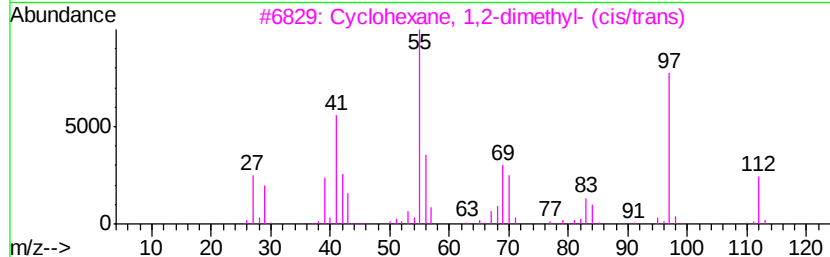
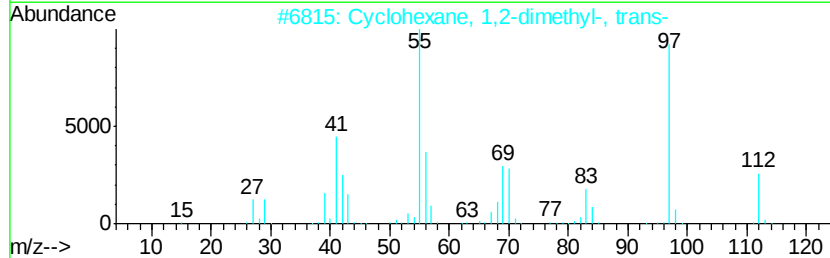
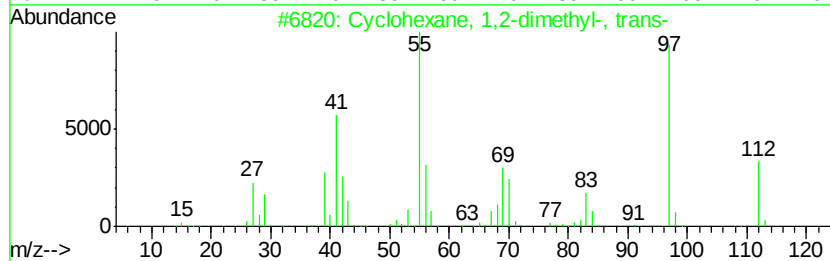
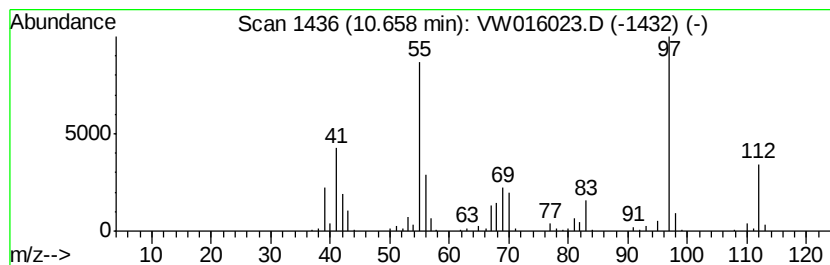
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Quant Title : VOC Analysis

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

Peak Number 15 (DEL) Alkane: Cyclic10.66 Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	4.61 ug/L	156559	Chlorobenzene-d5	11.63

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	94
2			Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	91
3			Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	90
4			Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	90
5			Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW073120\
Data File : VW016023.D
Acq On : 31 Jul 2020 16:36
Operator : SY/VA
Sample : L3533-01
Misc : 5.18G/10ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CB7H4

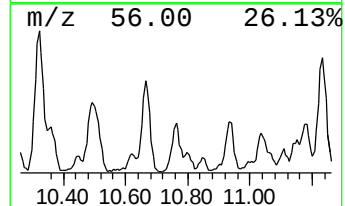
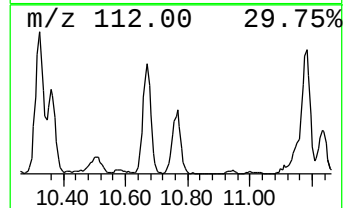
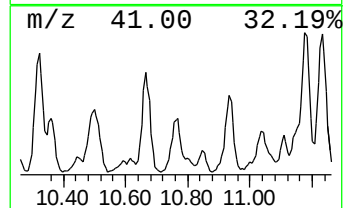
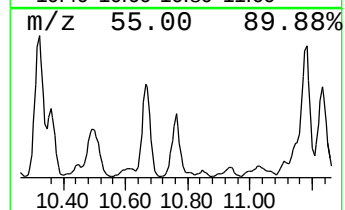
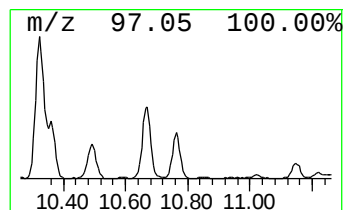
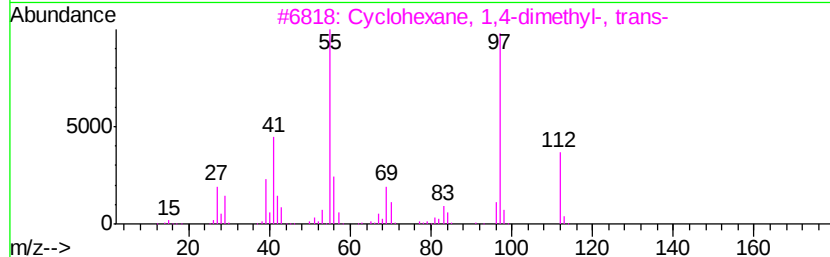
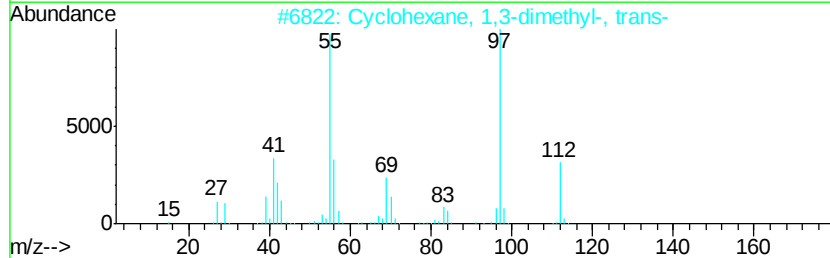
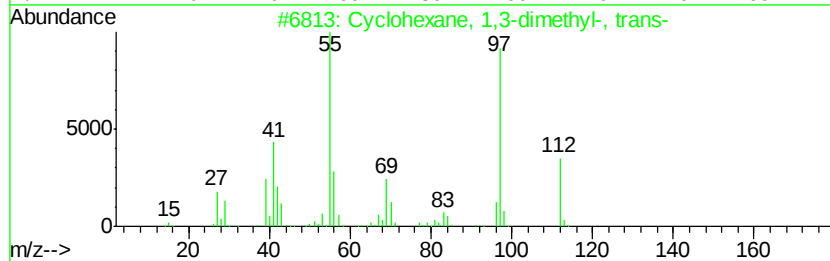
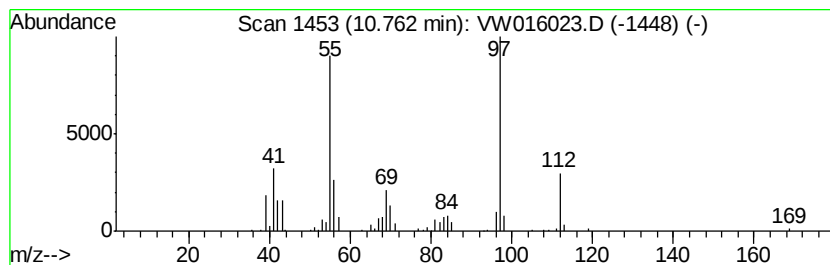
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Quant Title : VOC Analysis

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

Peak Number 16 (DEL) Alkane: Cyclic10.76 Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	2.51 ug/L	85291	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	97
2		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	97
3		Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	96
4		Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	95
5		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	95



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW073120\
Data File : VW016023.D
Acq On : 31 Jul 2020 16:36
Operator : SY/VA
Sample : L3533-01
Misc : 5.18G/10ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CB7H4

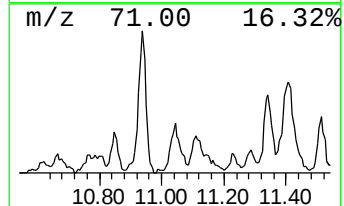
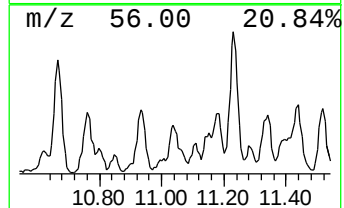
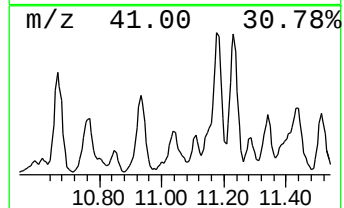
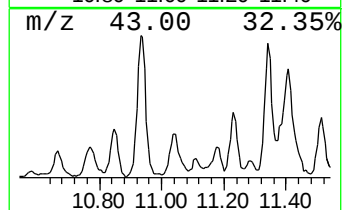
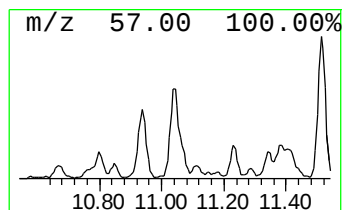
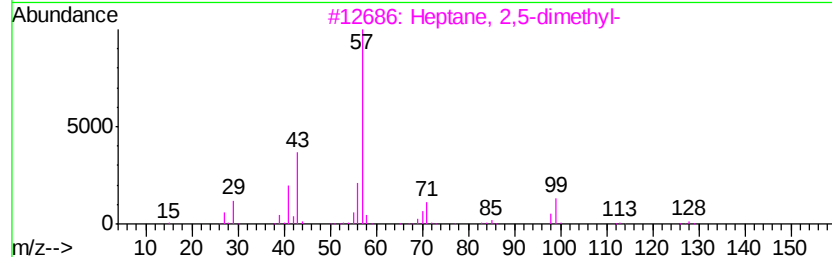
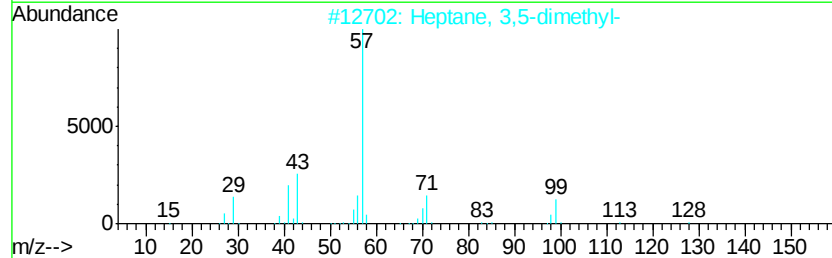
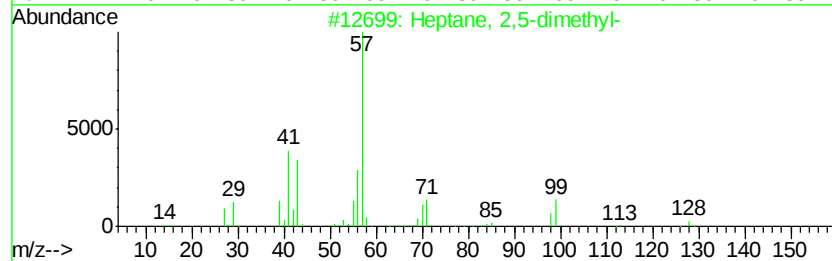
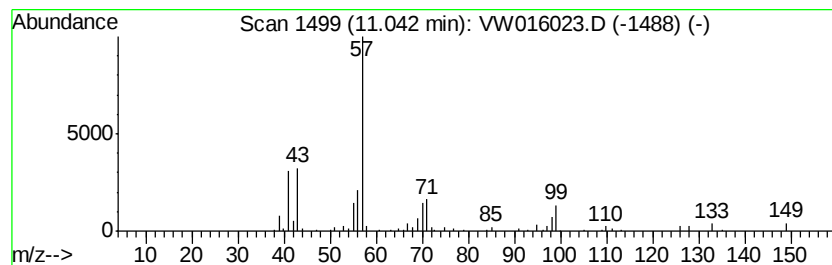
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Quant Title : VOC Analysis

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

Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.04	1.74 ug/L	59103	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	72
2		Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	64
3		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	64
4		Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	53
5		Dodecane, 2,5-dimethyl-	198	C14H30	056292-65-0	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW073120\
Data File : VW016023.D
Acq On : 31 Jul 2020 16:36
Operator : SY/VA
Sample : L3533-01
Misc : 5.18G/10ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CB7H4

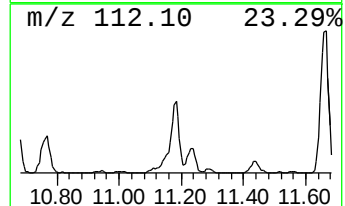
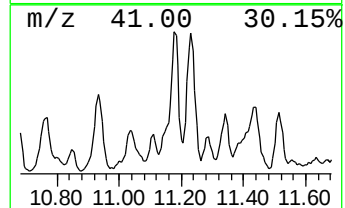
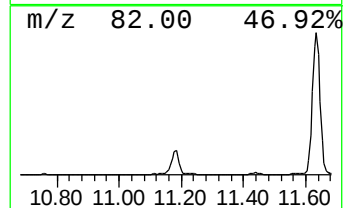
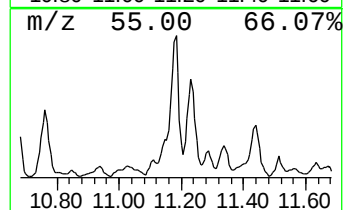
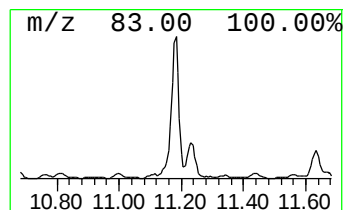
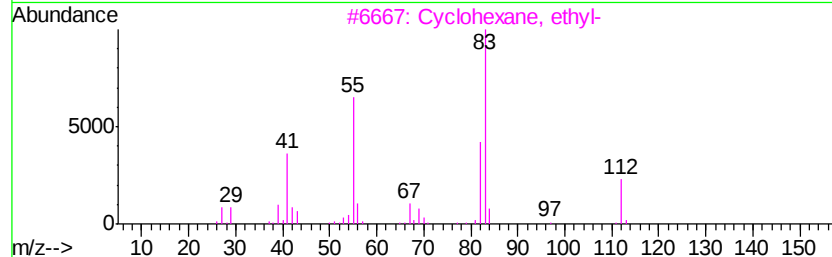
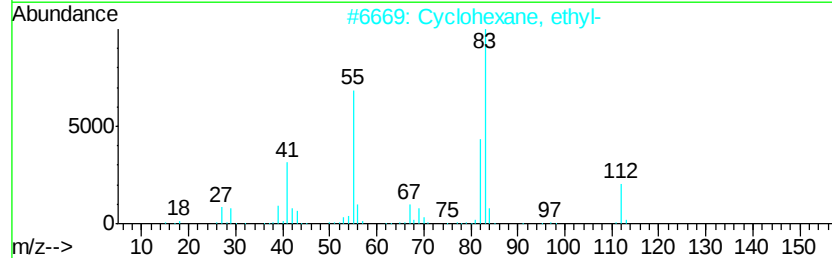
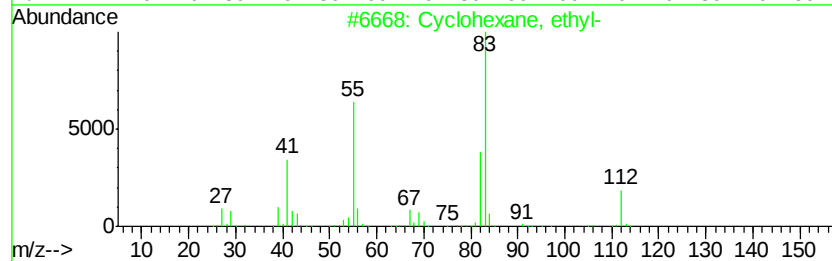
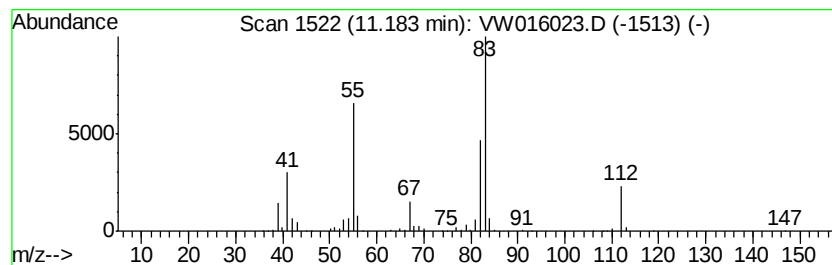
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Quant Title : VOC Analysis

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

Peak Number 18 (DEL) Alkane: Cyclic11.18 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.18	7.10 ug/L	241156	Chlorobenzene-d5	11.63

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
2			Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
3			Cyclohexane, ethyl-	112	C8H16	001678-91-7	72
4			Cyclohexane, ethyl-	112	C8H16	001678-91-7	70
5			3-Ethyl-3-hexene	112	C8H16	016789-51-8	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW073120\
Data File : VW016023.D
Acq On : 31 Jul 2020 16:36
Operator : SY/VA
Sample : L3533-01
Misc : 5.18G/10ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CB7H4

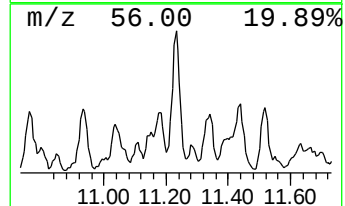
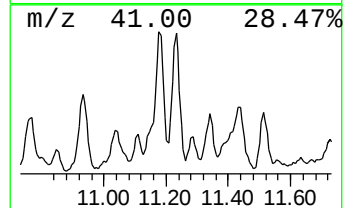
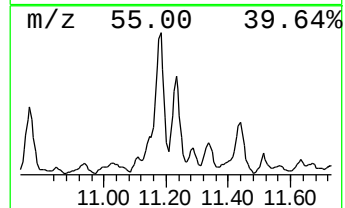
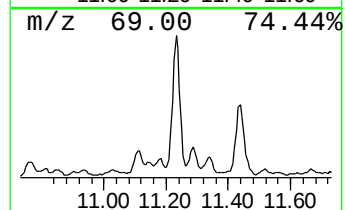
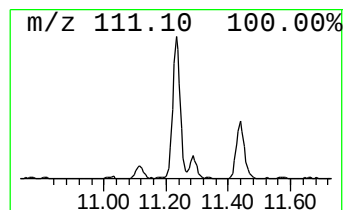
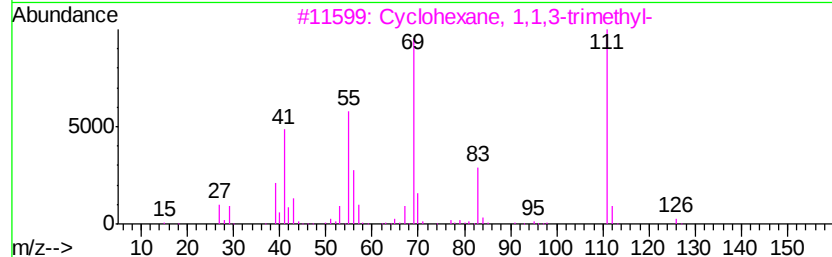
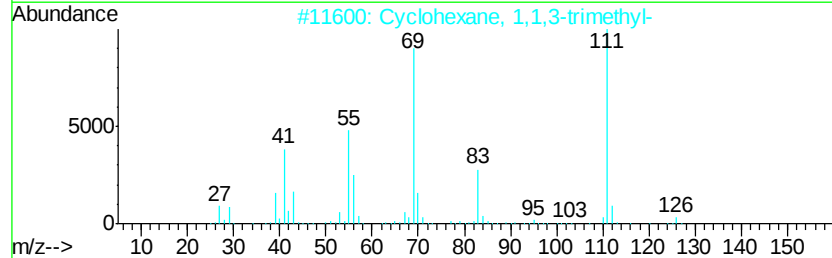
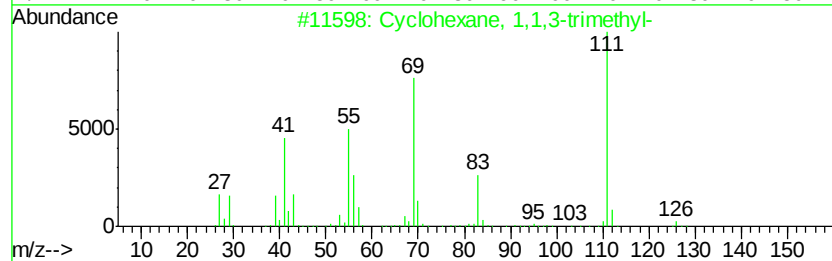
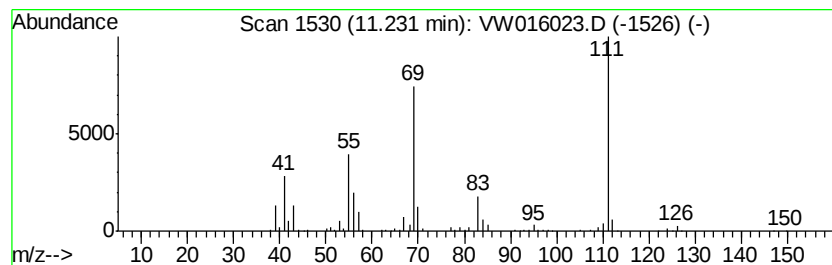
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Quant Title : VOC Analysis

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

Peak Number 19 (DEL) Alkane: Cyclic11.23 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	6.61 ug/L	224436	Chlorobenzene-d5	11.63

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	91
2			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
3			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	76
4			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	76
5			Cyclohexane, 1,3,5-trimethyl-, (...)	126	C9H18	001795-26-2	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW073120\
Data File : VW016023.D
Acq On : 31 Jul 2020 16:36
Operator : SY/VA
Sample : L3533-01
Misc : 5.18G/10ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CB7H4

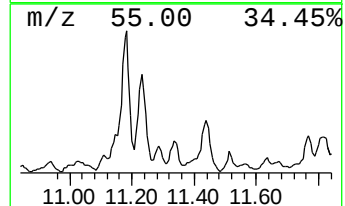
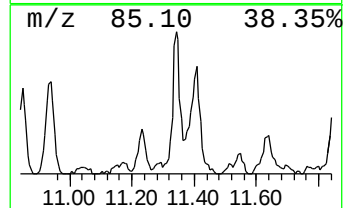
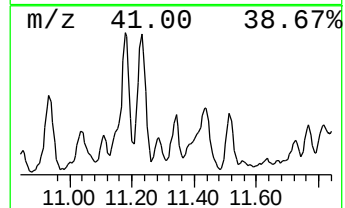
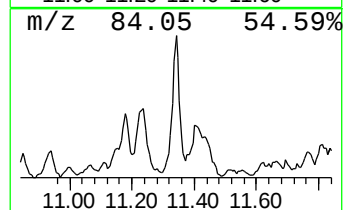
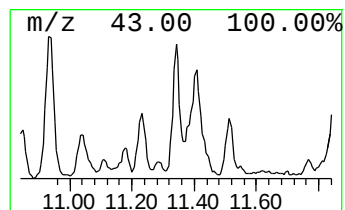
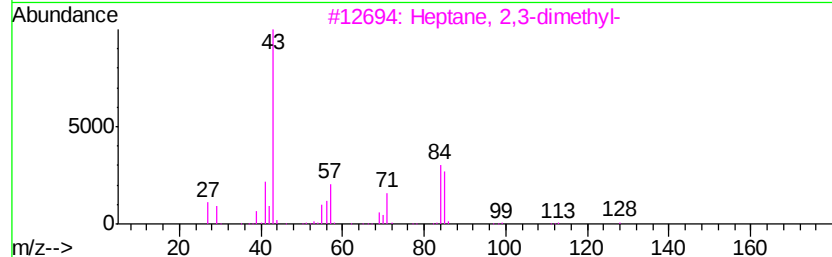
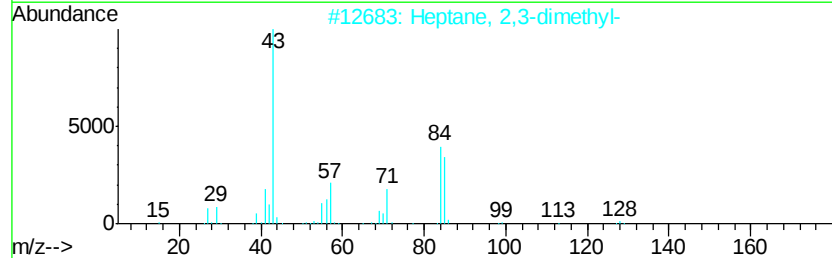
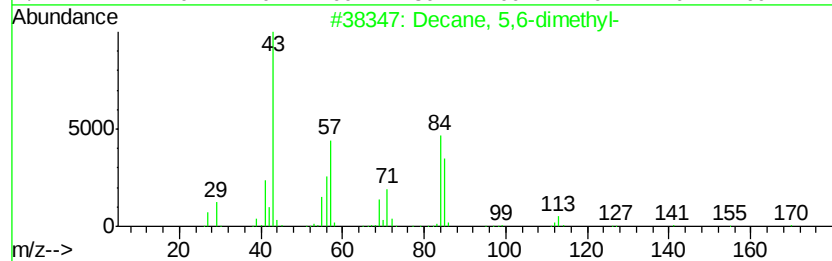
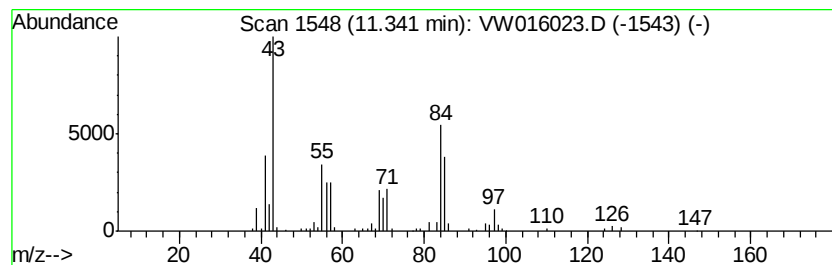
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Quant Title : VOC Analysis

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

Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.34	2.03 ug/L	68772	Chlorobenzene-d5	11.63

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 5,6-dimethyl-	170	C12H26	001636-43-7	72
2			Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	72
3			Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	53
4			Piperidine	85	C5H11N	000110-89-4	52
5			1-Octene, 4-methyl-	126	C9H18	013151-12-7	52



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW073120\
Data File : VW016023.D
Acq On : 31 Jul 2020 16:36
Operator : SY/VA
Sample : L3533-01
Misc : 5.18G/10ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

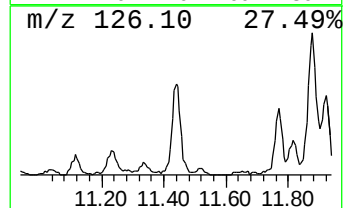
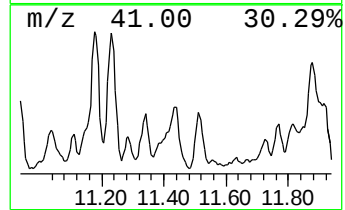
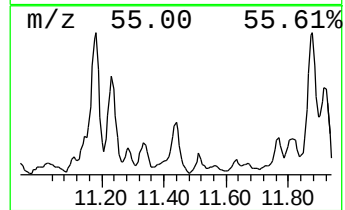
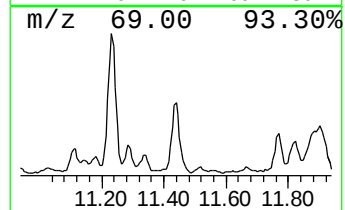
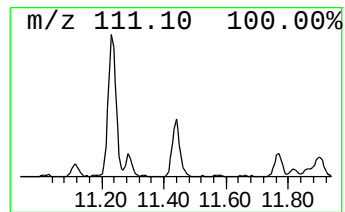
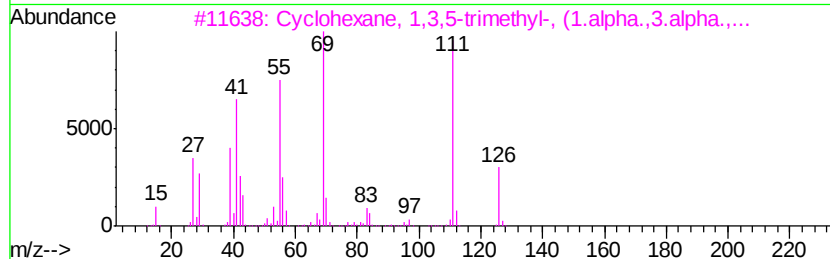
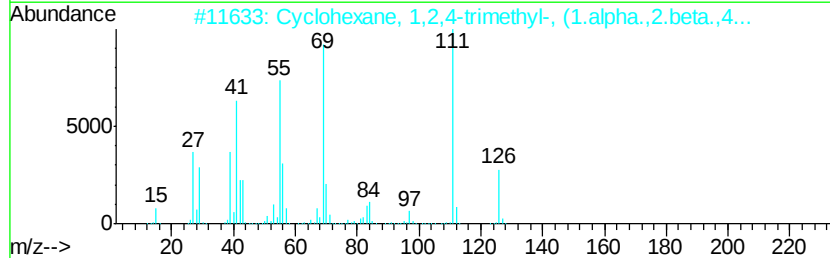
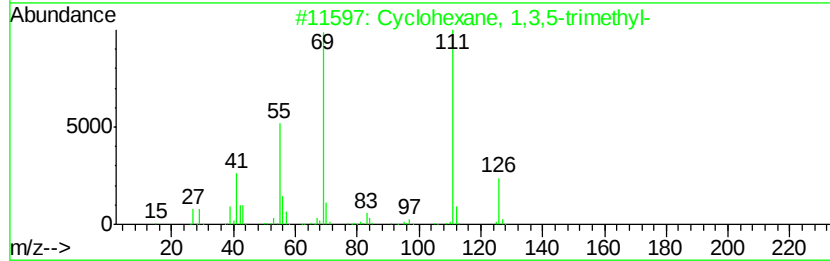
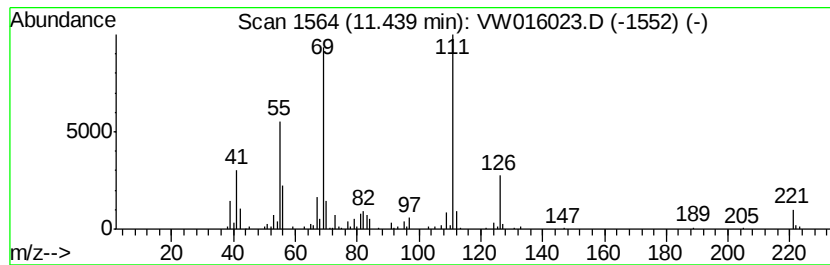
Instrument :
MSVOA_W
ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

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

Peak Number 21 (DEL) Alkane: Cyclic11.44 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.44	6.08 ug/L	206435	Chlorobenzene-d5	11.63		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cvclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	93
2		Cvclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	93
3		Cvclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	91
4		Cvclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	90
5		Cvclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW073120\
Data File : VW016023.D
Acq On : 31 Jul 2020 16:36
Operator : SY/VA
Sample : L3533-01
Misc : 5.18G/10ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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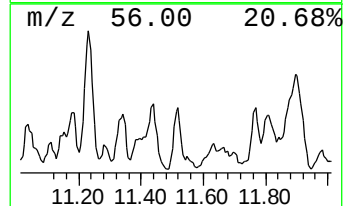
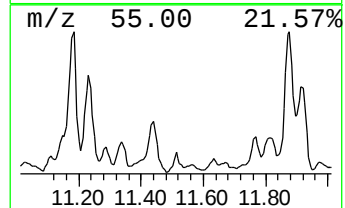
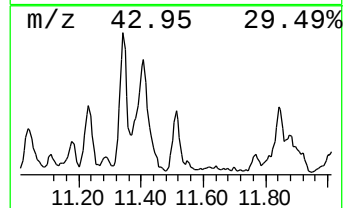
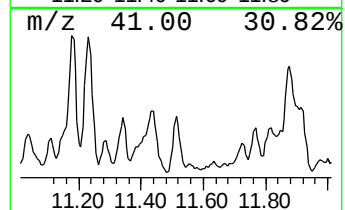
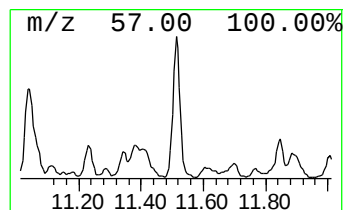
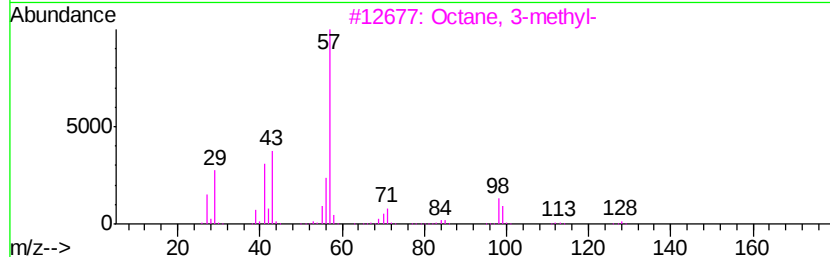
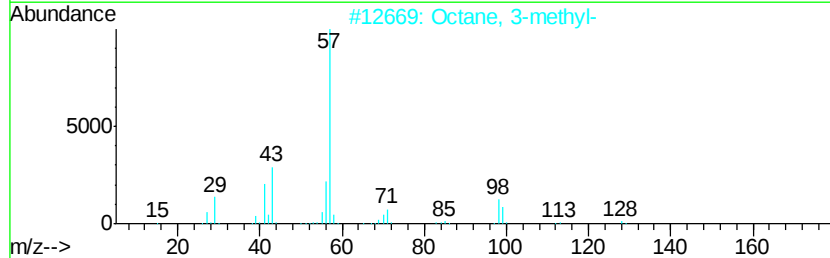
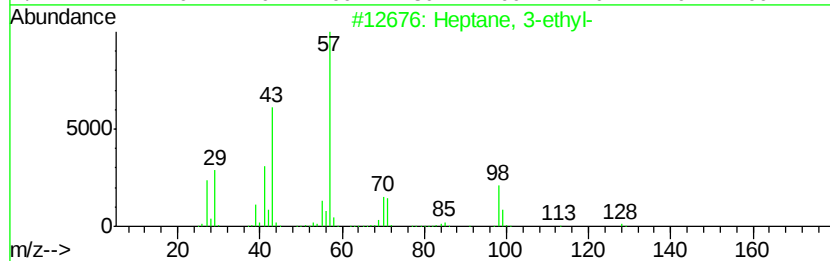
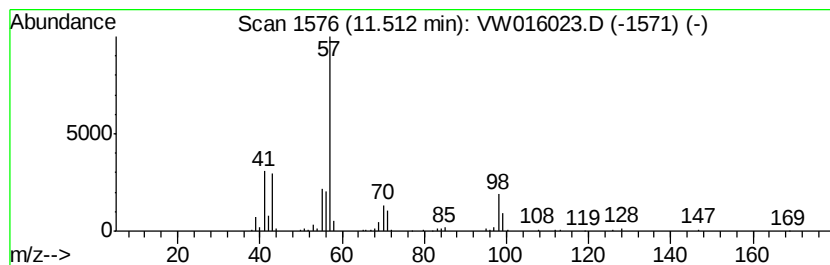
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Quant Title : VOC Analysis

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

Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.51	2.04 ug/L	69390	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 3-ethyl-	128	C9H20	015869-80-4	81
2		Octane, 3-methyl-	128	C9H20	002216-33-3	72
3		Octane, 3-methyl-	128	C9H20	002216-33-3	72
4		Heptane, 3-ethyl-	128	C9H20	015869-80-4	70
5		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW073120\
Data File : VW016023.D
Acq On : 31 Jul 2020 16:36
Operator : SY/VA
Sample : L3533-01
Misc : 5.18G/10ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
CB7H4

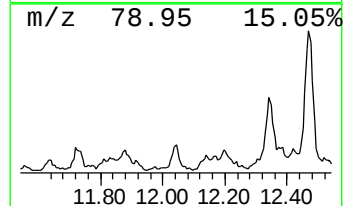
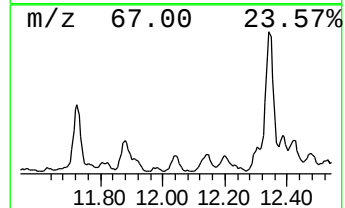
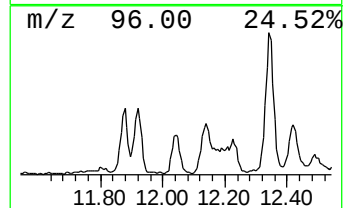
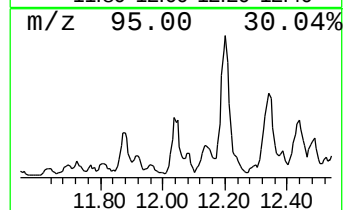
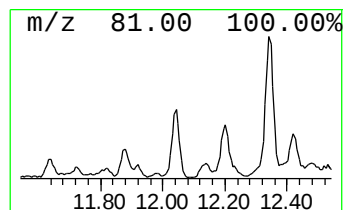
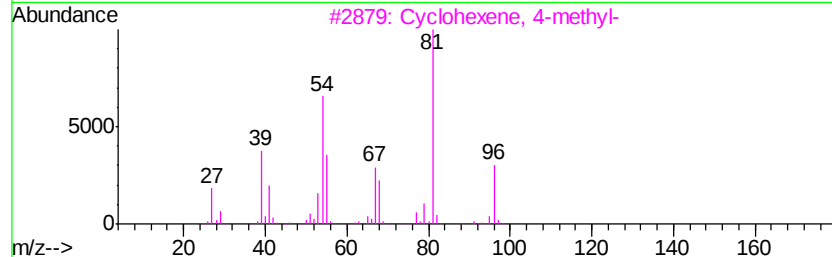
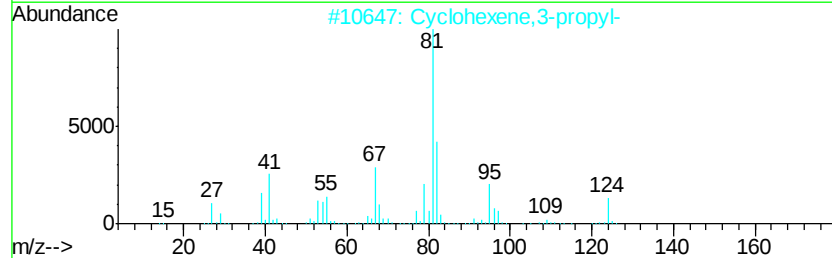
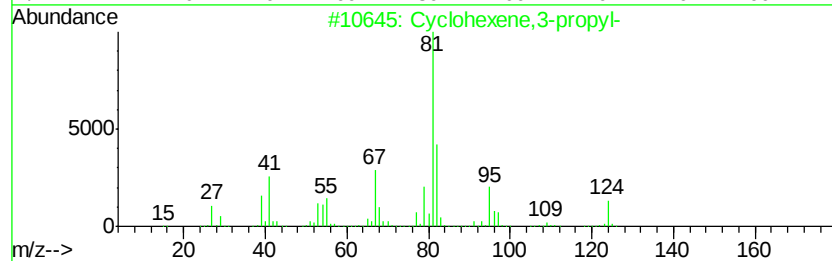
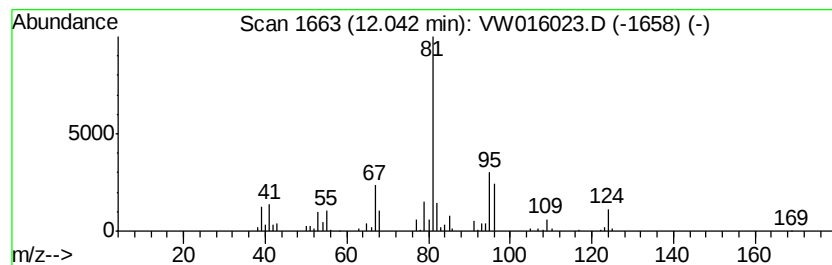
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Quant Title : VOC Analysis

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

Peak Number 23 Cyclohexene,3-propyl- Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	2.81 ug/L	95429	Chlorobenzene-d5	11.63

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexene,3-propyl-	124	C9H16	003983-06-0	62
2			Cyclohexene,3-propyl-	124	C9H16	003983-06-0	58
3			Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	53
4			Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	53
5			2,4-Octadienal, (E,E)-	124	C8H12O	030361-28-5	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW073120\
Data File : VW016023.D
Acq On : 31 Jul 2020 16:36
Operator : SY/VA
Sample : L3533-01
Misc : 5.18G/10ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CB7H4

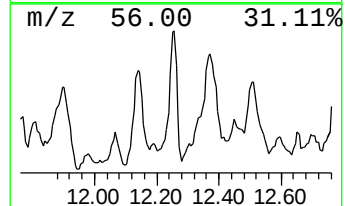
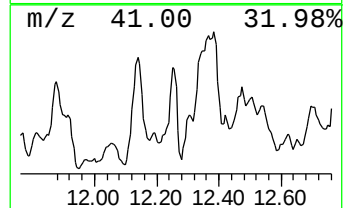
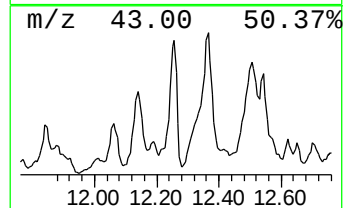
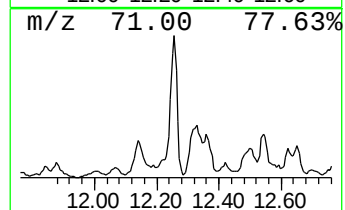
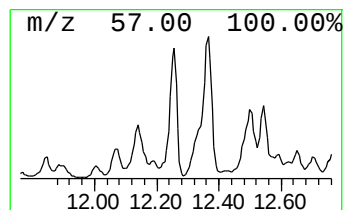
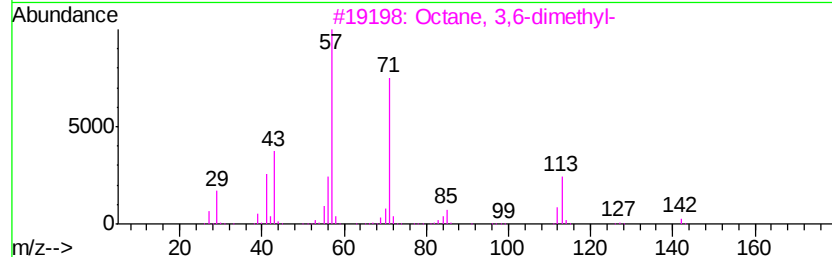
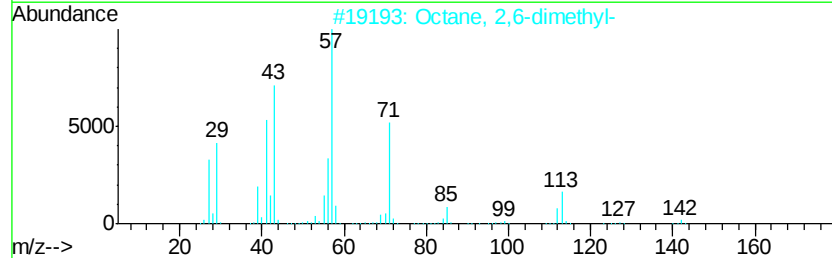
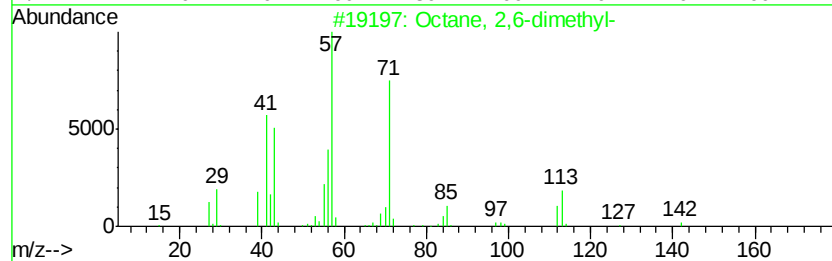
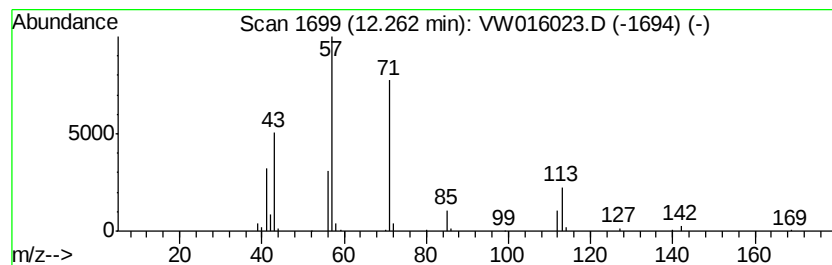
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Quant Title : VOC Analysis

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

Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	4.13 ug/L	140391	Chlorobenzene-d5	11.63

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
2			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	90
3			Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	87
4			Nonane, 3-methyl-	142	C10H22	005911-04-6	80
5			Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	78



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW073120\
Data File : VW016023.D
Acq On : 31 Jul 2020 16:36
Operator : SY/VA
Sample : L3533-01
Misc : 5.18G/10ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
CB7H4

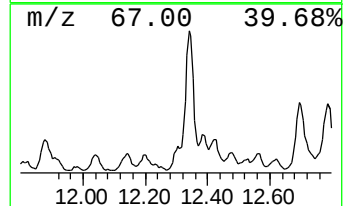
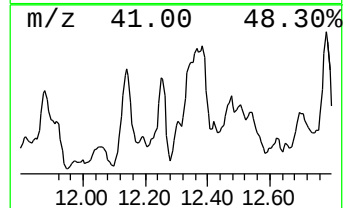
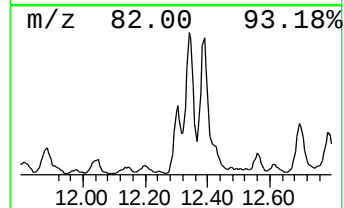
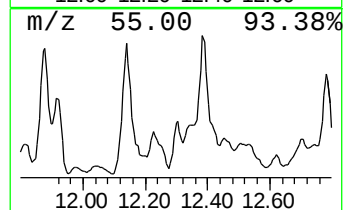
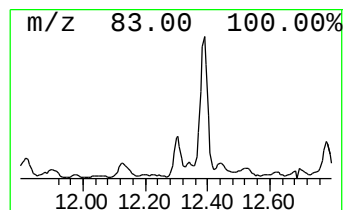
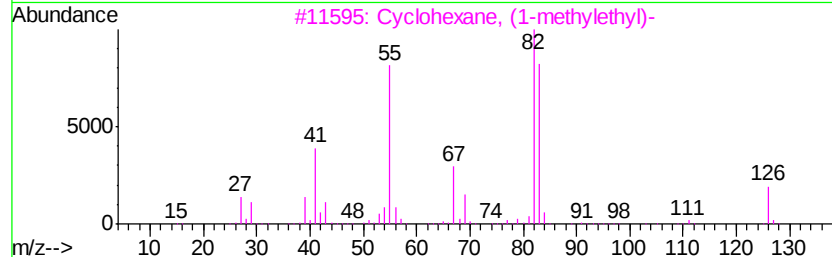
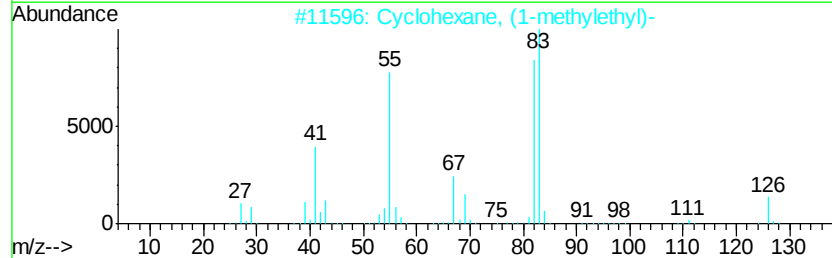
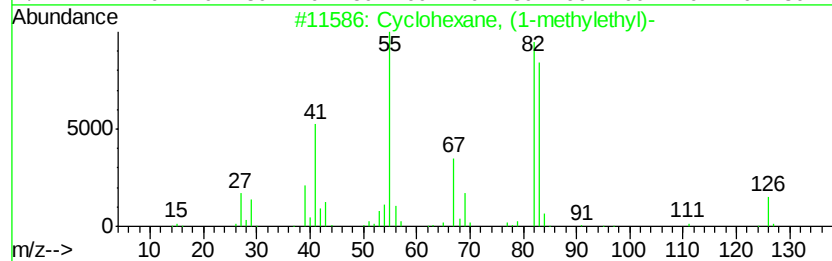
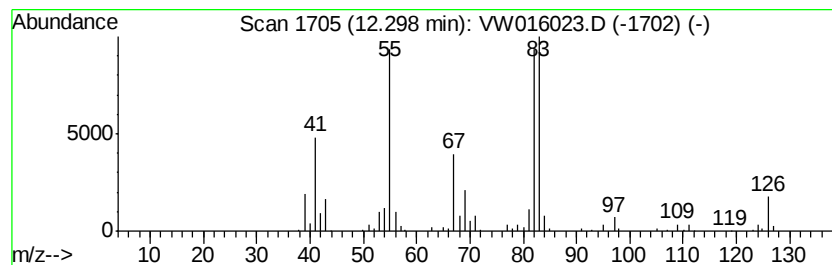
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Quant Title : VOC Analysis

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

Peak Number 25 (DEL) Alkane: Cyclic12.30 Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	1.97 ug/L	66808	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	93
2		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	81
3		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	81
4		Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	72
5		Vinylcyclohexyl ether	126	C8H14O	002182-55-0	52



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW073120\
Data File : VW016023.D
Acq On : 31 Jul 2020 16:36
Operator : SY/VA
Sample : L3533-01
Misc : 5.18G/10ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CB7H4

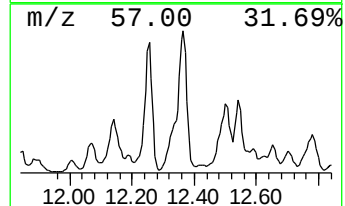
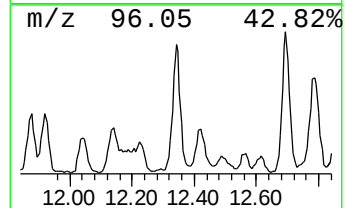
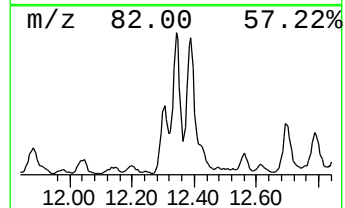
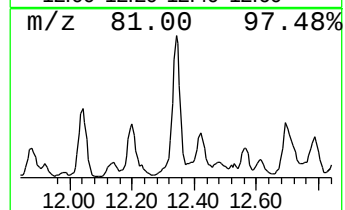
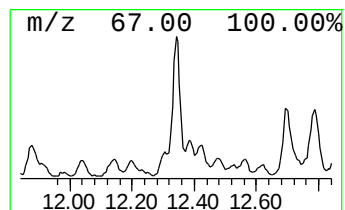
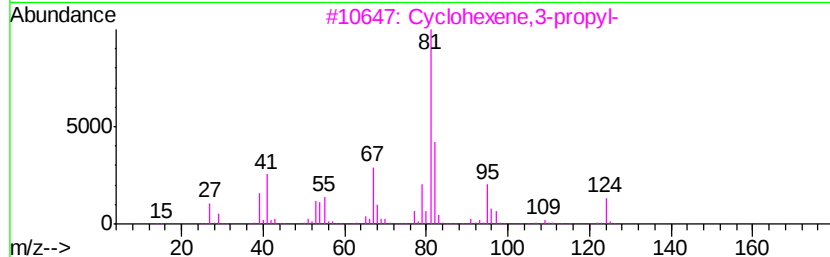
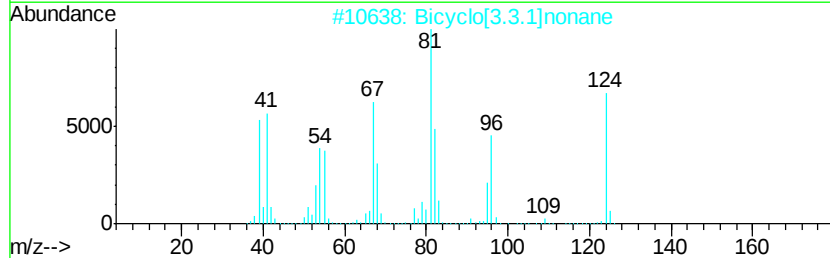
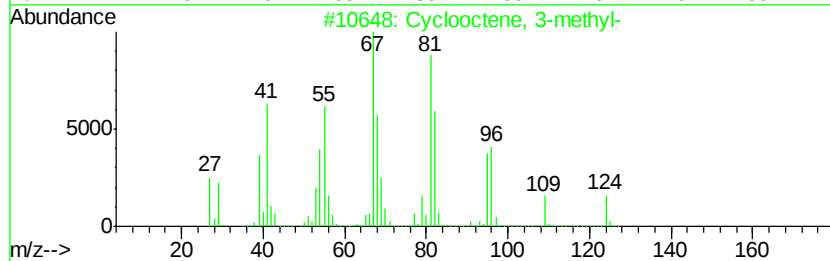
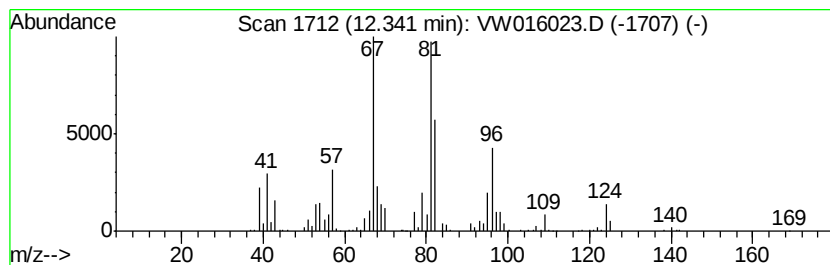
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Quant Title : VOC Analysis

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

Peak Number 26 Cyclooctene, 3-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	9.64 ug/L	327198	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclooctene, 3-methyl-	124	C9H16	013152-05-1	81
2		Bicyclo[3.3.1]nonane	124	C9H16	000280-65-9	68
3		Cyclohexene,3-propyl-	124	C9H16	003983-06-0	64
4		Cyclohexene,3-propyl-	124	C9H16	003983-06-0	64
5		1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	62



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW073120\
Data File : VW016023.D
Acq On : 31 Jul 2020 16:36
Operator : SY/VA
Sample : L3533-01
Misc : 5.18G/10ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
CB7H4

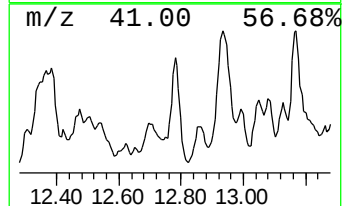
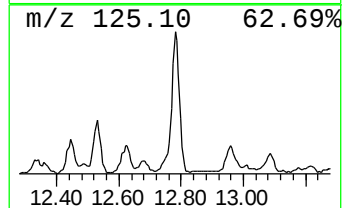
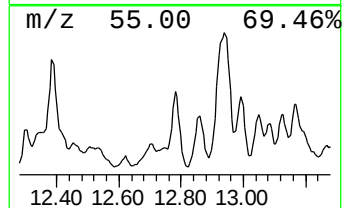
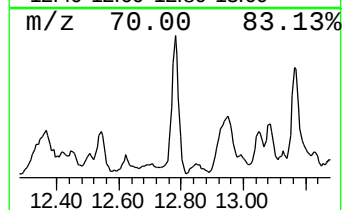
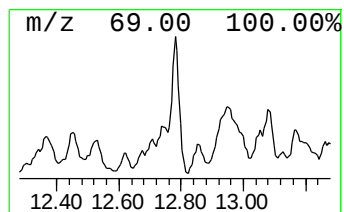
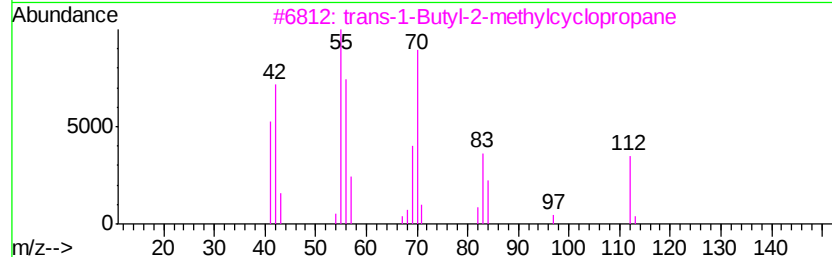
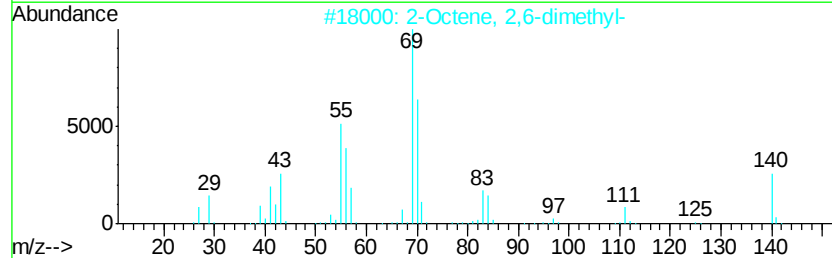
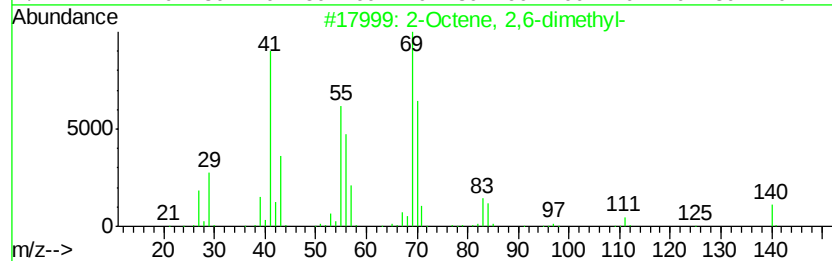
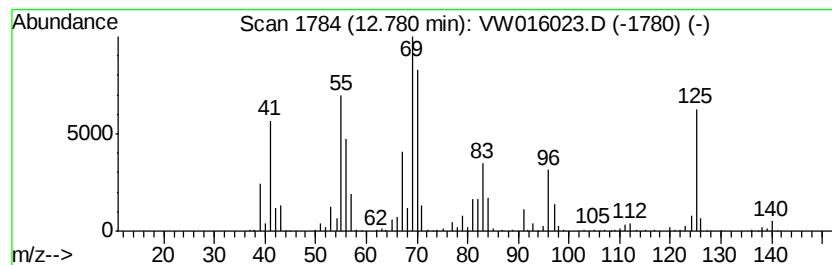
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Quant Title : VOC Analysis

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

Peak Number 28 (DEL) Alkane: Cyclic12.78 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	22.09 ug/L	419249	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	64
2		2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	58
3		trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	41
4		Cyclooctane, 1-methyl-3-propyl-	168	C12H24	255885-37-1	38
5		2,5-Dimethyl-1-aza-bicyclo[2.2.1...	125	C8H15N	1000194-05-9	27



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW073120\
Data File : VW016023.D
Acq On : 31 Jul 2020 16:36
Operator : SY/VA
Sample : L3533-01
Misc : 5.18G/10ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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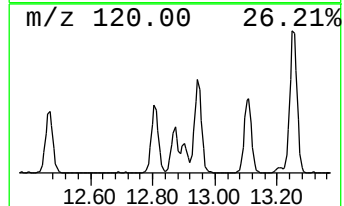
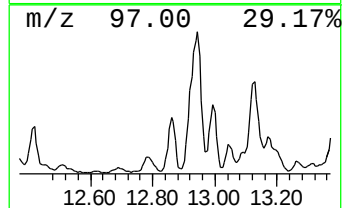
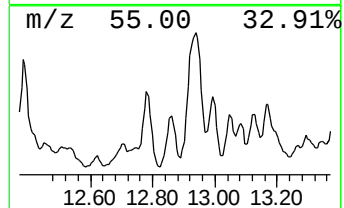
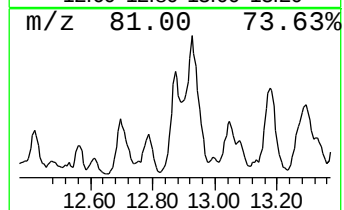
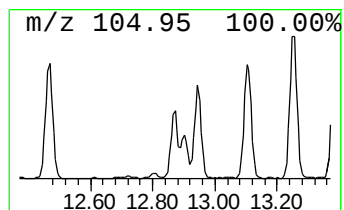
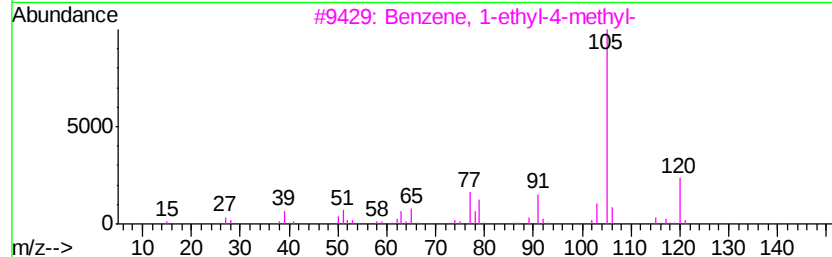
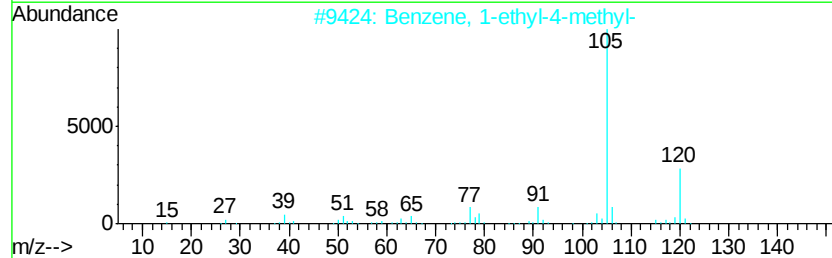
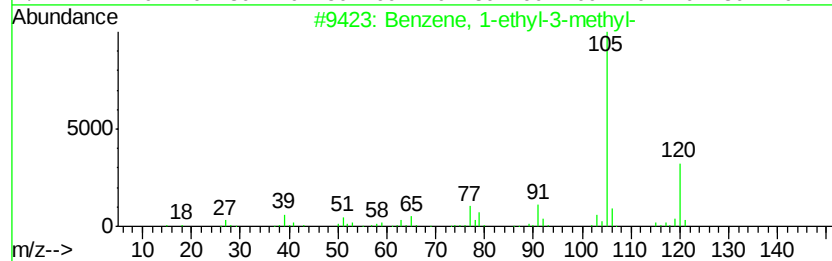
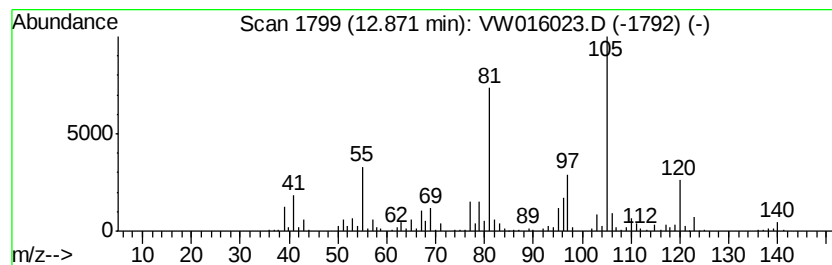
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Quant Title : VOC Analysis

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

Peak Number 29 unknown-01 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	11.64 ug/L	220865	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	42
2		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	42
3		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	42
4		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	38
5		Mesitylene	120	C9H12	000108-67-8	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW073120\
Data File : VW016023.D
Acq On : 31 Jul 2020 16:36
Operator : SY/VA
Sample : L3533-01
Misc : 5.18G/10ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

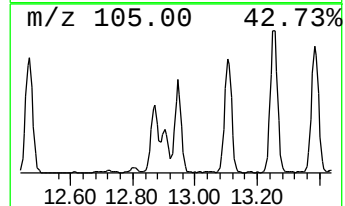
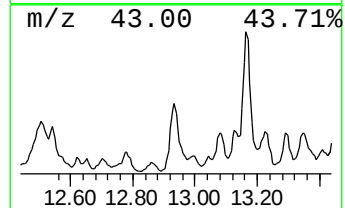
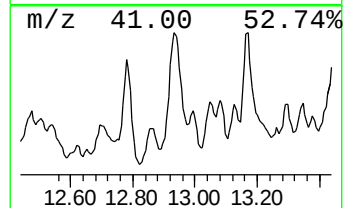
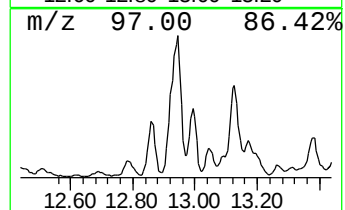
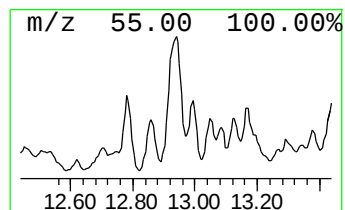
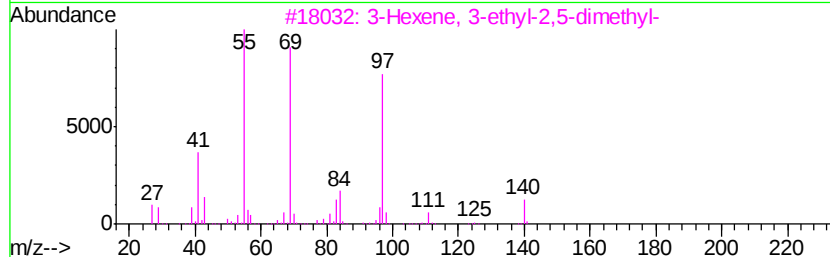
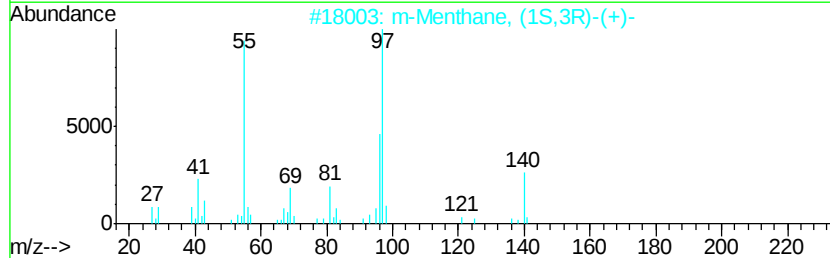
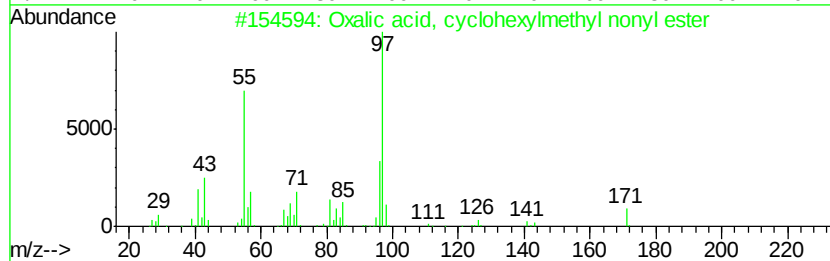
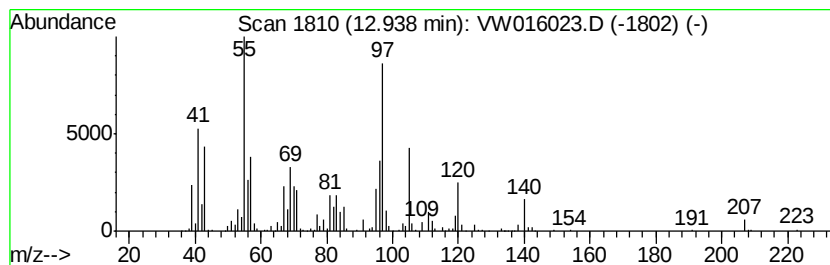
Instrument :
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ClientSampleId :
CB7H4

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

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

Peak Number 30 Oxalic acid, cyclohexylmeth... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.94	29.23 ug/L	554597	1,4-Dichlorobenzene-d4	13.56		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, cyclohexylmethvl no...	312	C18H32O4	1000309-68-6	53	
2	m-Menthane, (1S,3R)-(+)-	140	C10H20	013837-66-6	49	
3	3-Hexene, 3-ethyl-2,5-dimethyl-	140	C10H20	062338-08-3	46	
4	Cyclohexane, 1-methyl-4-(1-methyl...	168	C12H24	054411-00-6	43	
5	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	38	



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW073120\
Data File : VW016023.D
Acq On : 31 Jul 2020 16:36
Operator : SY/VA
Sample : L3533-01
Misc : 5.18G/10ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

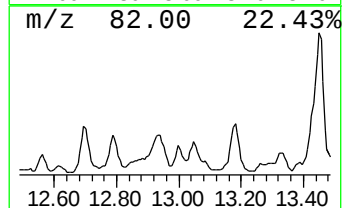
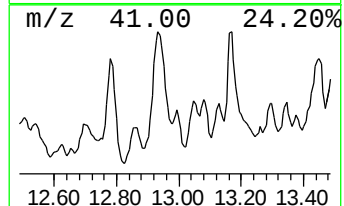
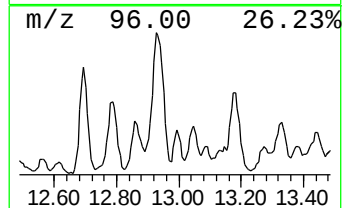
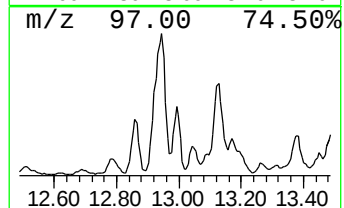
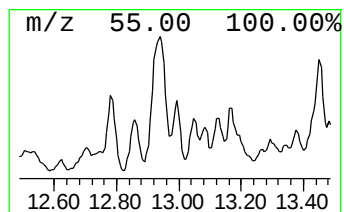
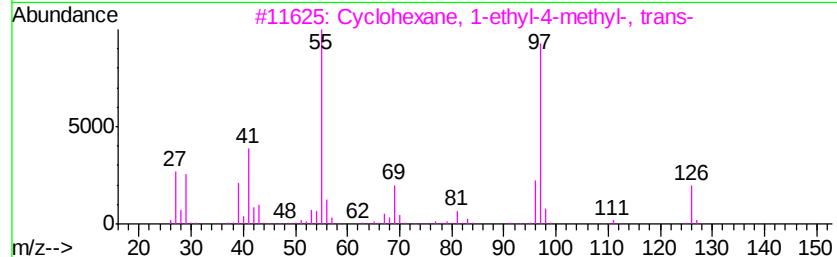
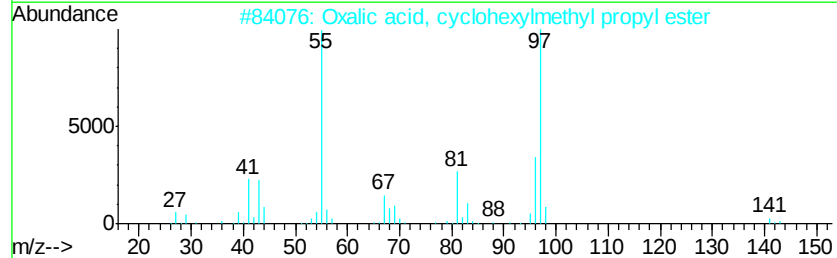
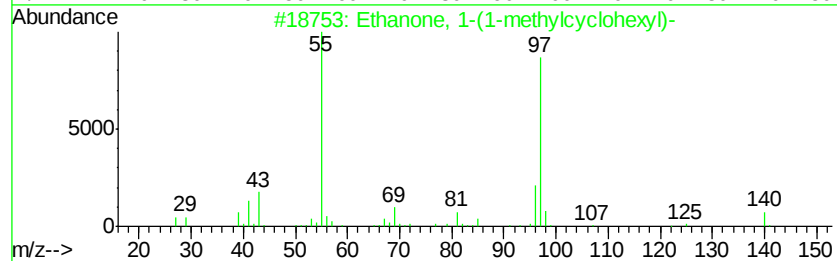
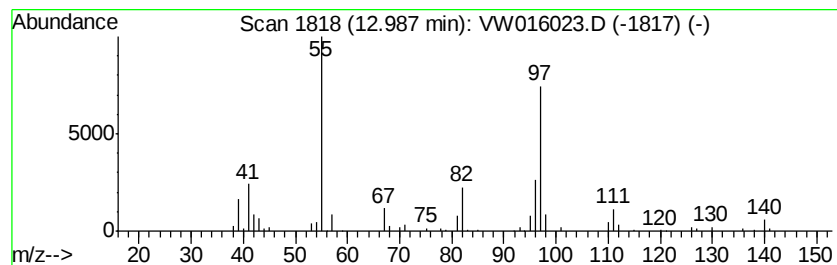
Instrument :
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

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

Peak Number 31 Ethanone, 1-(1-methylcyclohexyl) Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.99	4.11 ug/L	77942	1,4-Dichlorobenzene-d4	13.56		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	59	
2	Oxalic acid, cyclohexylmethyl pr...	228	C12H20O4	1000309-68-1	53	
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	50	
4	Sulfurous acid, cyclohexylmethyl...	402	C23H46O3S	1000309-22-4	50	
5	Sulfurous acid, cyclohexylmethyl...	430	C25H50O3S	1000309-22-6	50	



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW073120\
Data File : VW016023.D
Acq On : 31 Jul 2020 16:36
Operator : SY/VA
Sample : L3533-01
Misc : 5.18G/10ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CB7H4

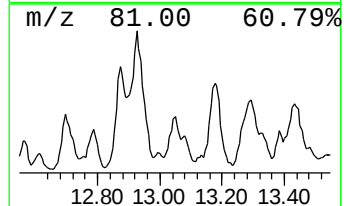
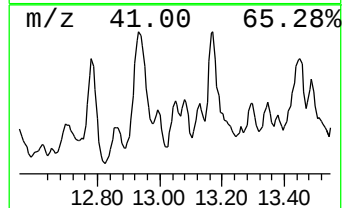
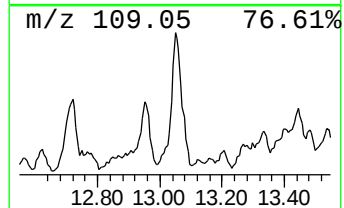
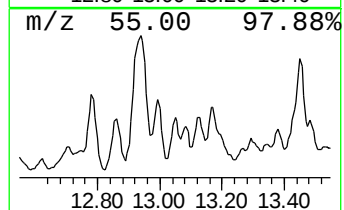
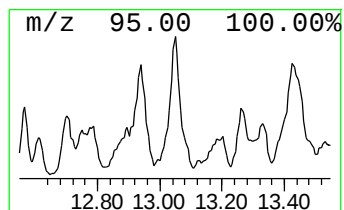
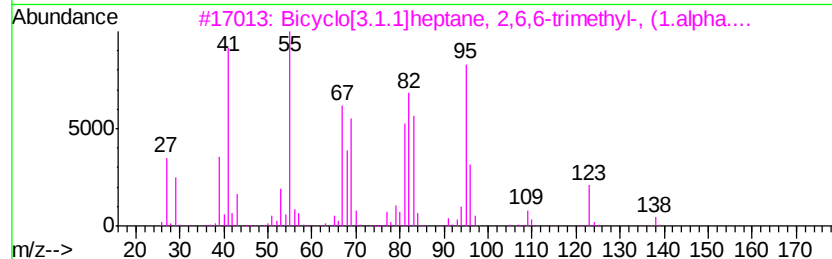
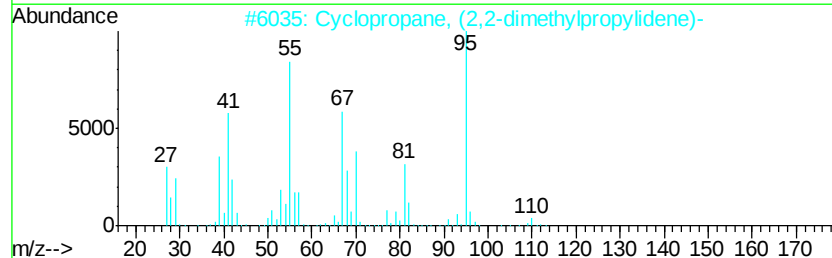
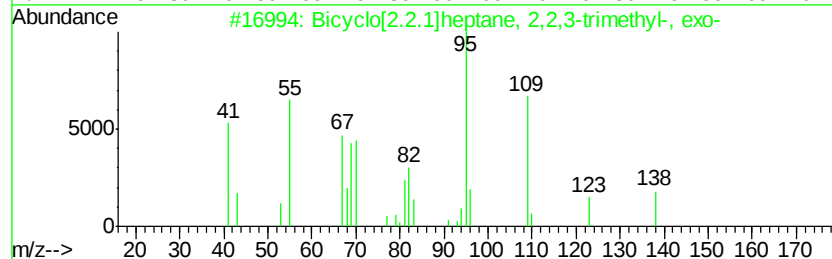
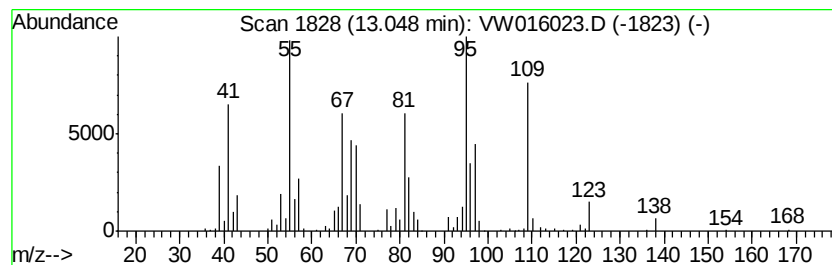
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Quant Title : VOC Analysis

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

Peak Number 32 Bicyclo[2.2.1]heptane, 2,2,... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.05	8.16 ug/L	154878	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	020536-41-8	72
2		Cyclopropane, (2,2-dimethylpropy...	110	C8H14	039647-71-7	43
3		Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	006876-13-7	41
4		Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	000473-55-2	38
5		Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	004755-33-3	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW073120\
Data File : VW016023.D
Acq On : 31 Jul 2020 16:36
Operator : SY/VA
Sample : L3533-01
Misc : 5.18G/10ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CB7H4

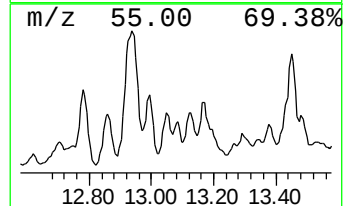
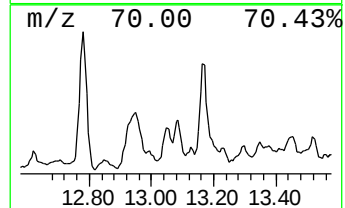
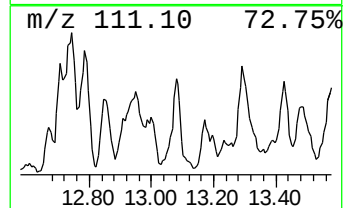
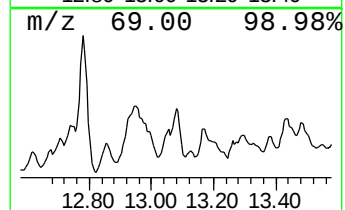
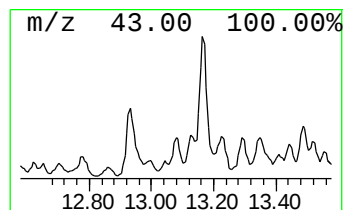
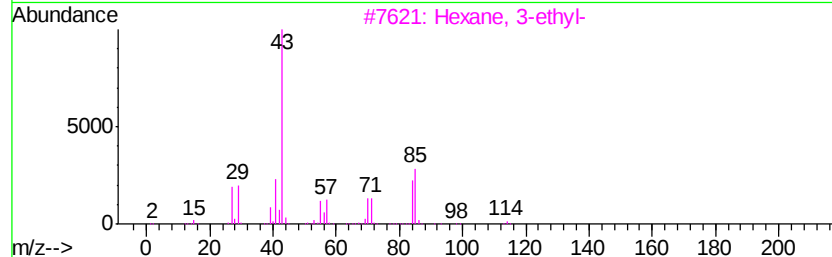
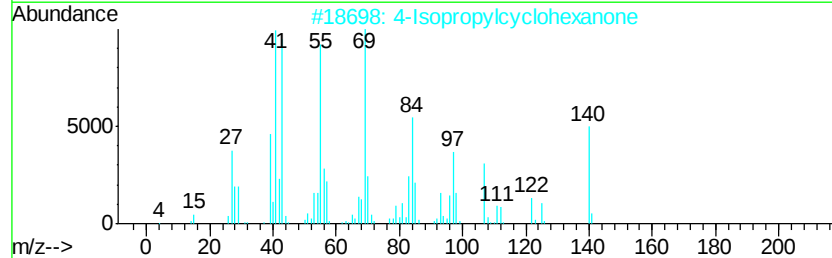
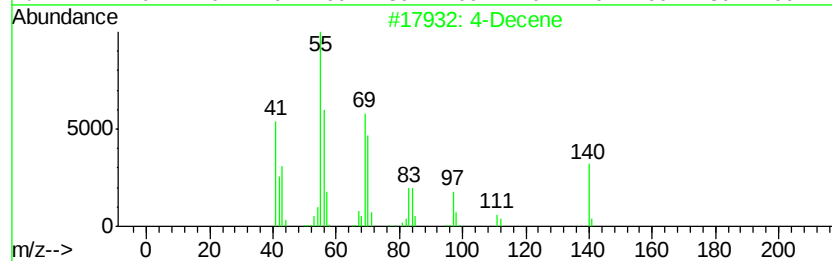
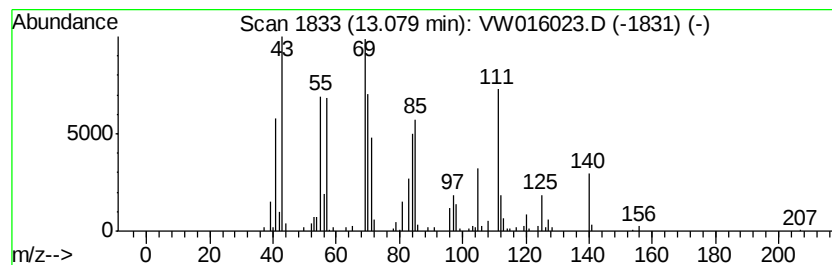
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Quant Title : VOC Analysis

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

Peak Number 33 (DEL) Alkane: Straight-Chai... Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.08	2.43 ug/L	46080	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Decene		140	C10H20	019689-18-0	50
2	4-Isopropylcyclohexanone		140	C9H16O	005432-85-9	30
3	Hexane, 3-ethyl-		114	C8H18	000619-99-8	22
4	1-Nonene		126	C9H18	000124-11-8	22
5	Heptane, 3,4,5-trimethyl-		142	C10H22	020278-89-1	14



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW073120\
Data File : VW016023.D
Acq On : 31 Jul 2020 16:36
Operator : SY/VA
Sample : L3533-01
Misc : 5.18G/10ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
CB7H4

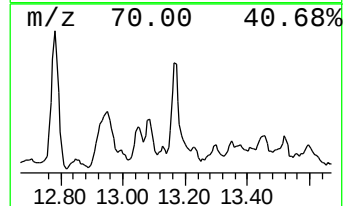
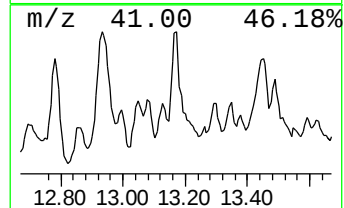
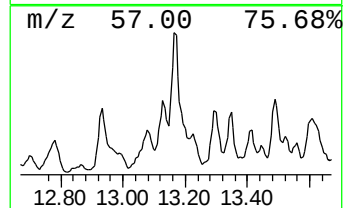
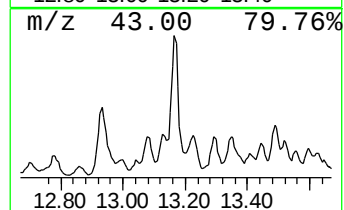
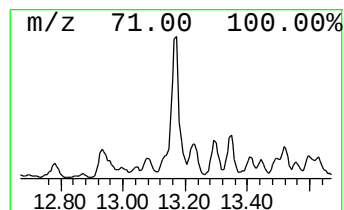
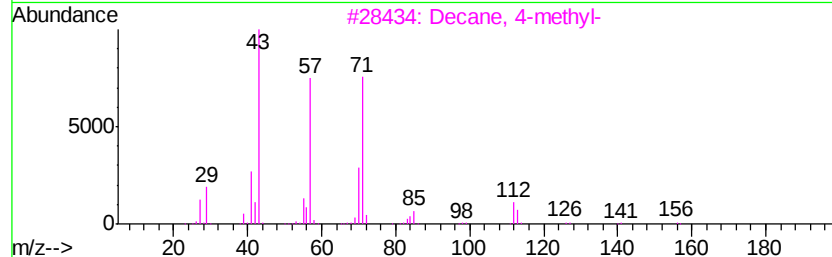
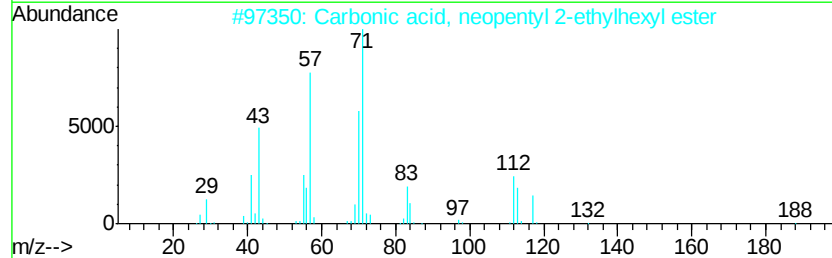
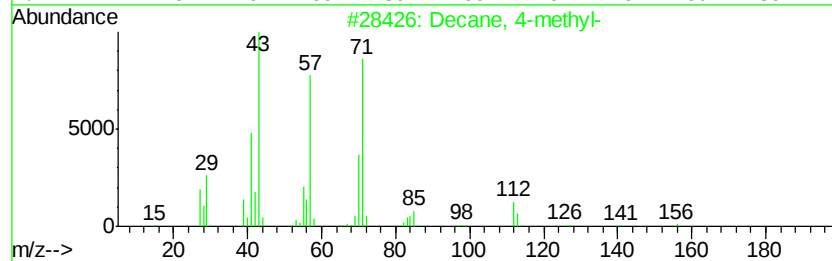
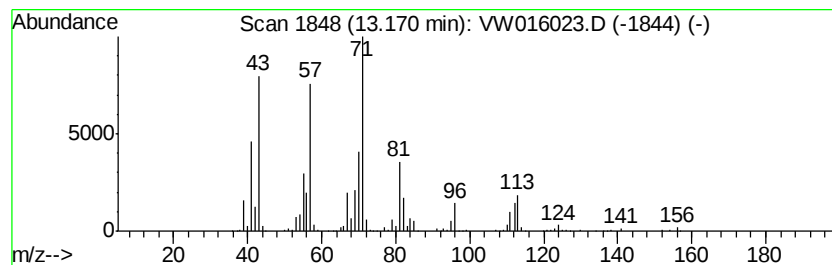
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Quant Title : VOC Analysis

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

Peak Number 34 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	16.65 ug/L	315950	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 4-methyl-	156	C11H24	002847-72-5	64
2		Carbonic acid, neopentyl 2-ethyl...	244	C14H28O3	1000357-85-7	59
3		Decane, 4-methyl-	156	C11H24	002847-72-5	58
4		Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	53
5		Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW073120\
Data File : VW016023.D
Acq On : 31 Jul 2020 16:36
Operator : SY/VA
Sample : L3533-01
Misc : 5.18G/10ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CB7H4

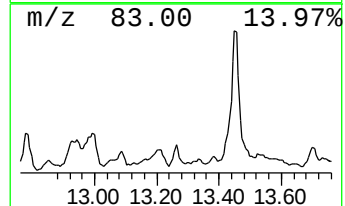
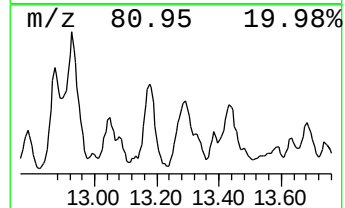
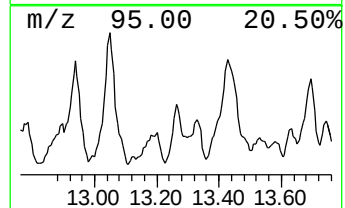
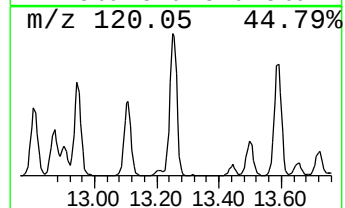
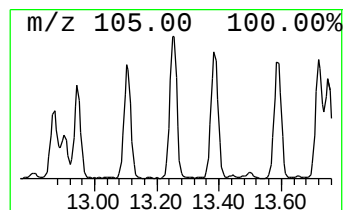
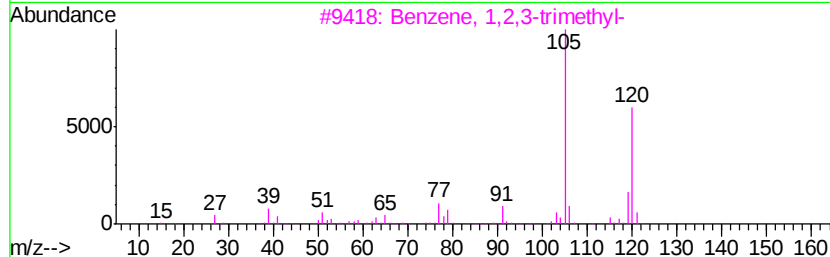
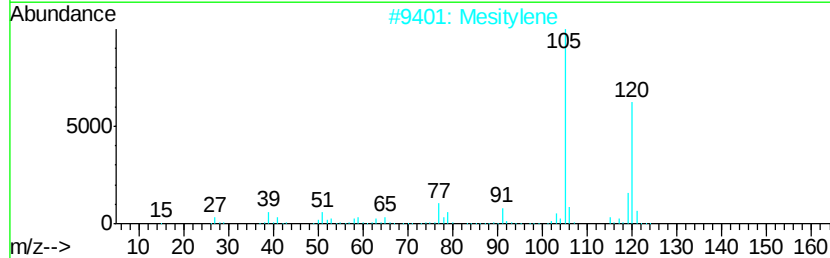
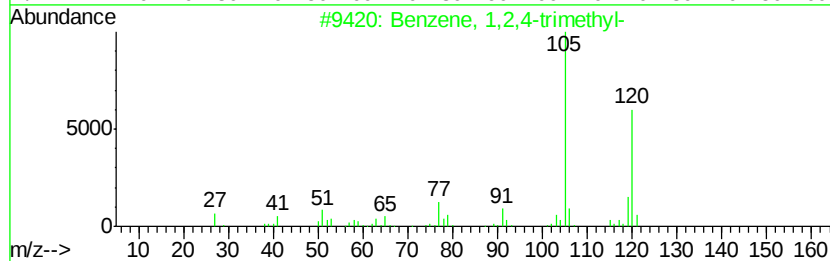
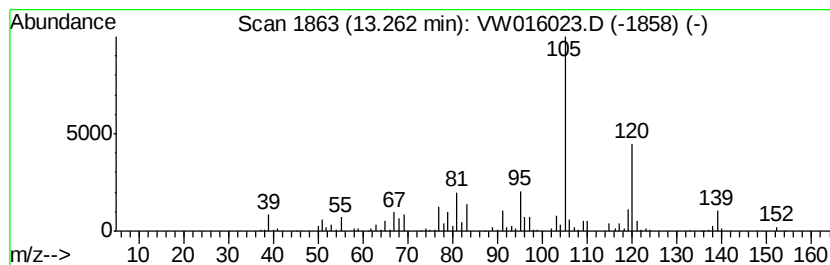
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Quant Title : VOC Analysis

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

Peak Number 35 Benzene, 1,2,4-trimethyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	6.95 ug/L	131792	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	94
2		Mesitylene	120	C9H12	000108-67-8	94
3		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	93
4		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	93
5		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW073120\
Data File : VW016023.D
Acq On : 31 Jul 2020 16:36
Operator : SY/VA
Sample : L3533-01
Misc : 5.18G/10ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CB7H4

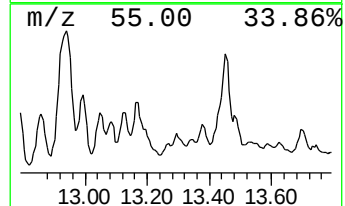
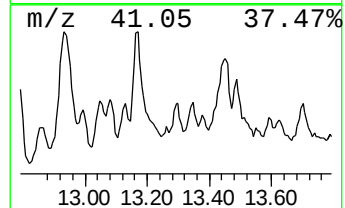
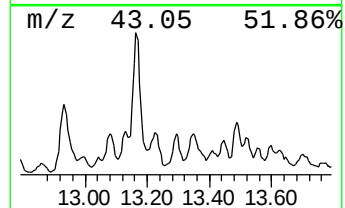
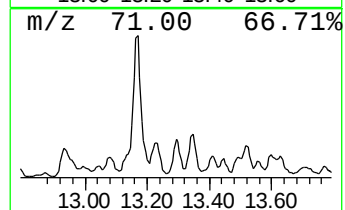
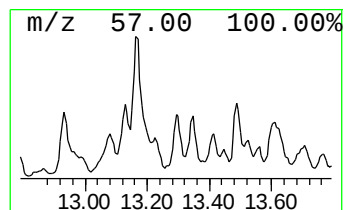
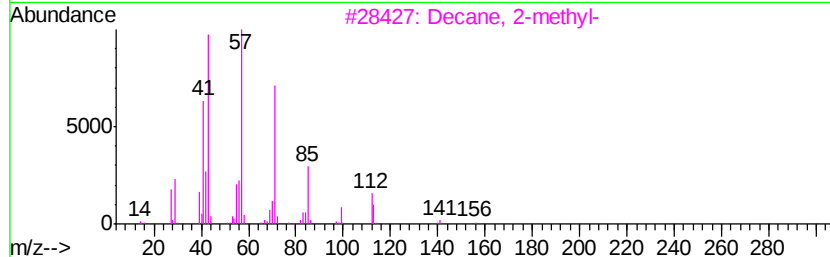
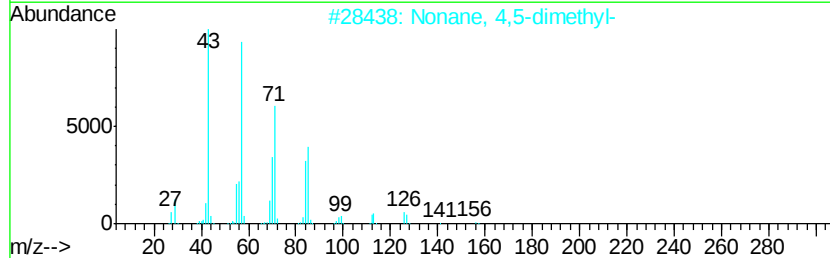
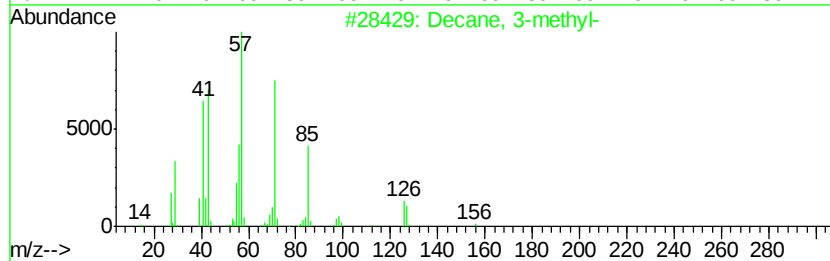
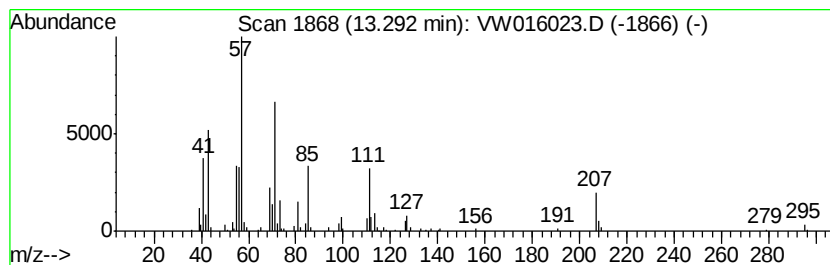
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Quant Title : VOC Analysis

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

Peak Number 36 (DEL) Alkane: Straight-Chai... Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	3.10 ug/L	58830	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 3-methyl-	156	C11H24	013151-34-3	55
2			Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	49
3			Decane, 2-methyl-	156	C11H24	006975-98-0	46
4			Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	45
5			Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW073120\
Data File : VW016023.D
Acq On : 31 Jul 2020 16:36
Operator : SY/VA
Sample : L3533-01
Misc : 5.18G/10ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CB7H4

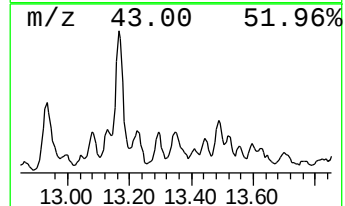
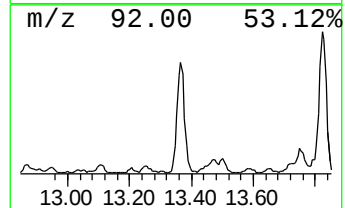
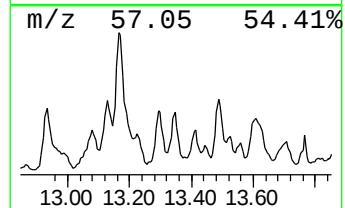
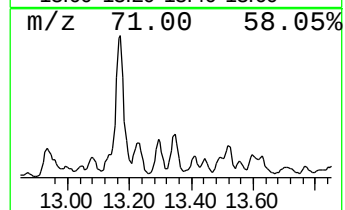
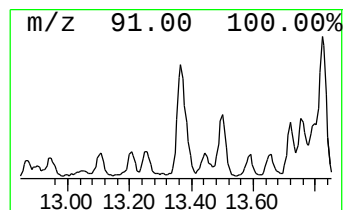
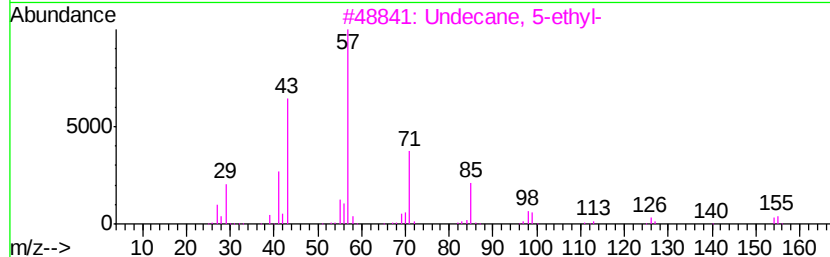
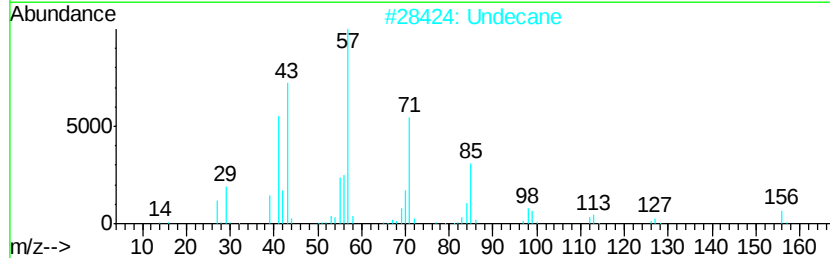
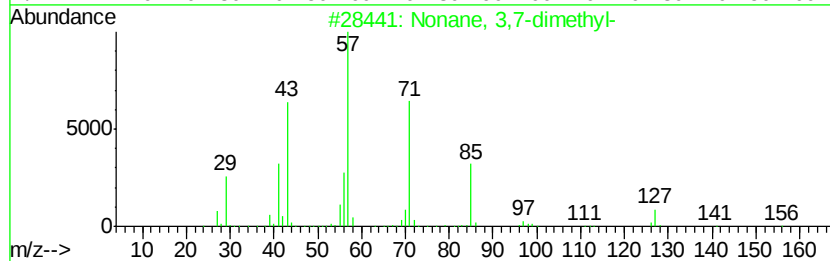
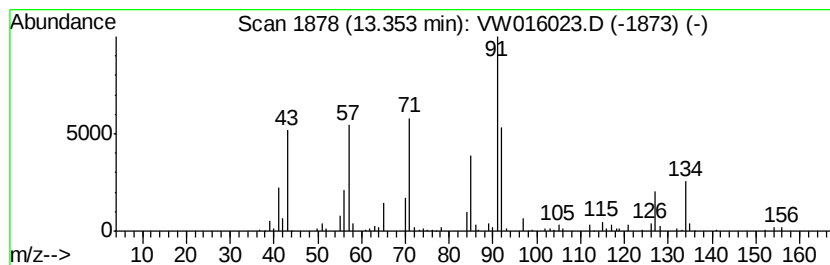
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Quant Title : VOC Analysis

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

Peak Number 37 (DEL) Alkane: Straight-Chai... Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.35	2.75 ug/L	52144	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	64
2			Undecane	156	C11H24	001120-21-4	59
3			Undecane, 5-ethyl-	184	C13H28	017453-94-0	53
4			Octane, 6-ethyl-2-methyl-	156	C11H24	062016-19-7	53
5			Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW073120\
Data File : VW016023.D
Acq On : 31 Jul 2020 16:36
Operator : SY/VA
Sample : L3533-01
Misc : 5.18G/10ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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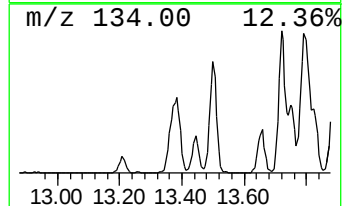
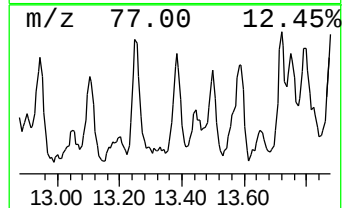
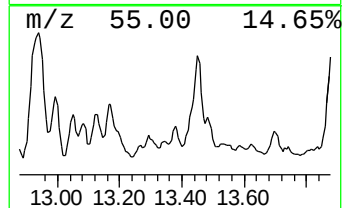
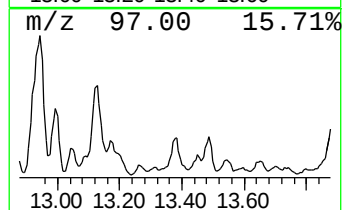
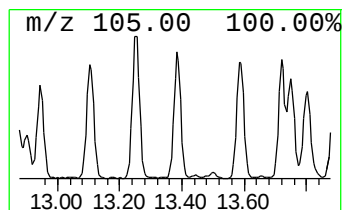
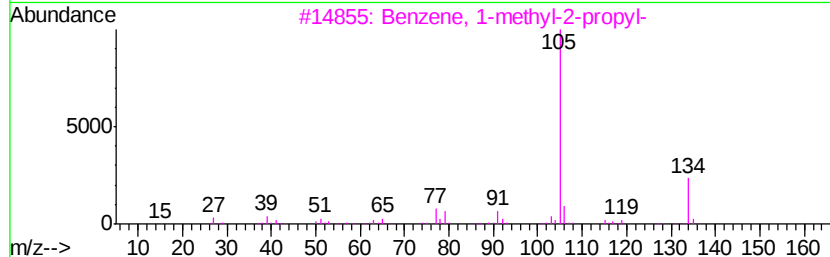
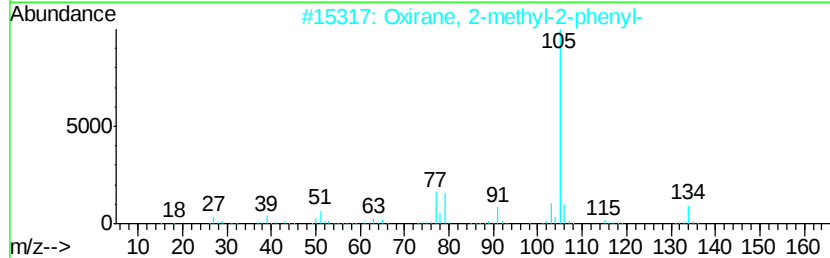
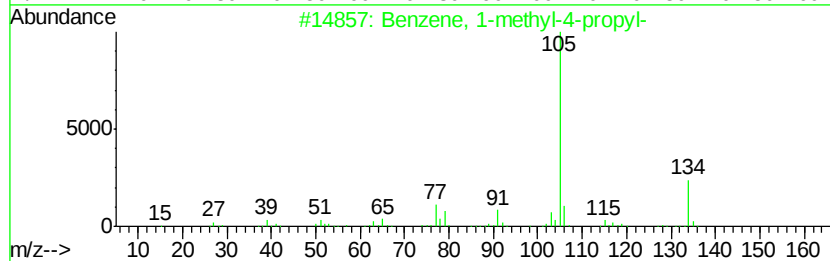
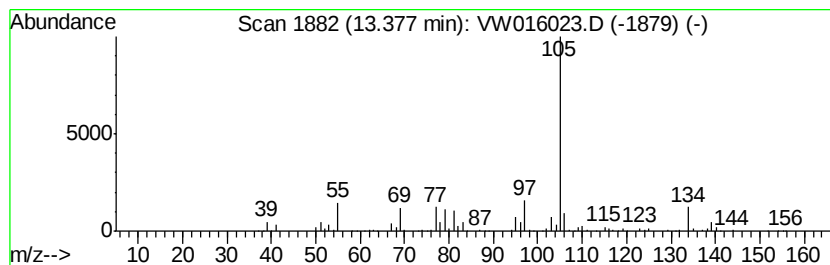
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Quant Title : VOC Analysis

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

Peak Number 38 Benzene, 1-methyl-4-propyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	8.85 ug/L	167882	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	50
2		Oxirane, 2-methyl-2-phenyl-	134	C9H10O	002085-88-3	50
3		Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	50
4		Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	50
5		Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	45



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW073120\
Data File : VW016023.D
Acq On : 31 Jul 2020 16:36
Operator : SY/VA
Sample : L3533-01
Misc : 5.18G/10ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CB7H4

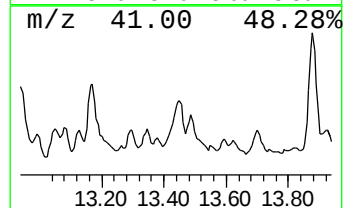
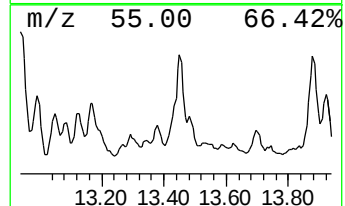
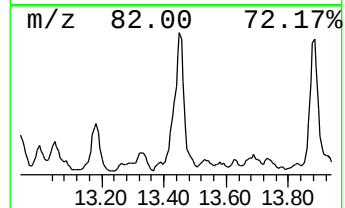
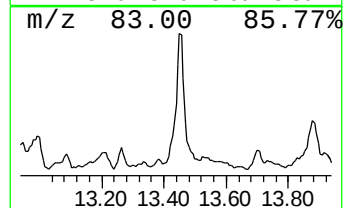
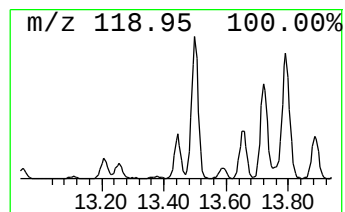
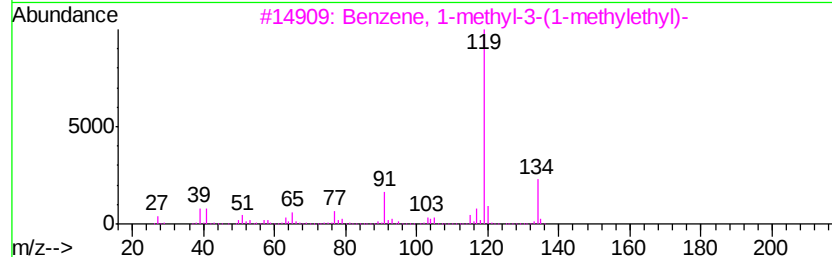
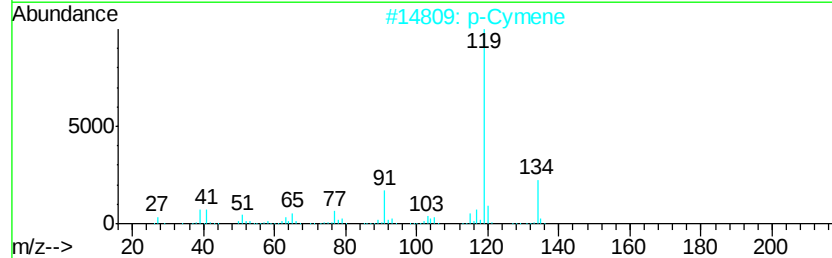
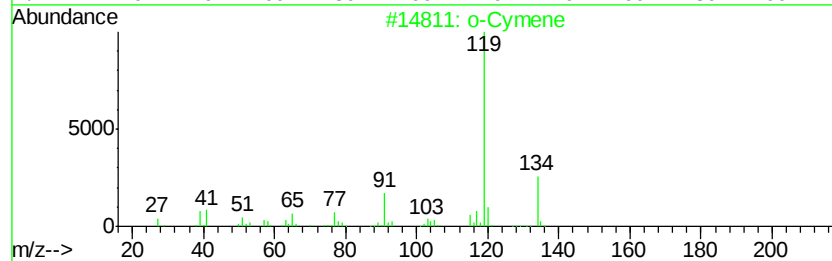
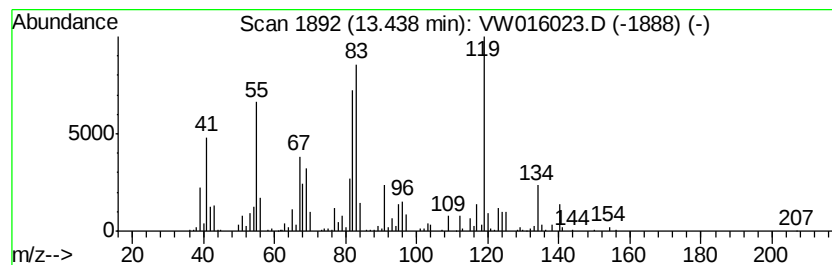
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Quant Title : VOC Analysis

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

Peak Number 39 o-Cymene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.44	17.66 ug/L	335051	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	o-Cymene	134	C10H14	000527-84-4	74
2		p-Cymene	134	C10H14	000099-87-6	74
3		Benzene, 1-methyl-3-(1-methylethyl)-	134	C10H14	000535-77-3	70
4		Benzene, 1-methyl-3-(1-methylethyl)-	134	C10H14	000535-77-3	70
5		o-Cymene	134	C10H14	000527-84-4	70



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW073120\
Data File : VW016023.D
Acq On : 31 Jul 2020 16:36
Operator : SY/VA
Sample : L3533-01
Misc : 5.18G/10ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CB7H4

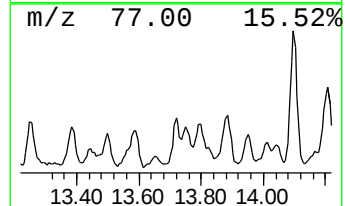
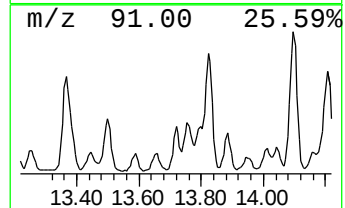
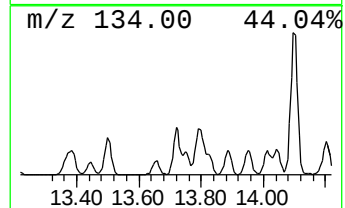
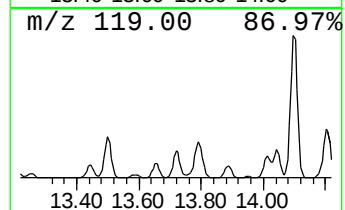
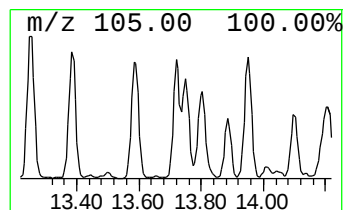
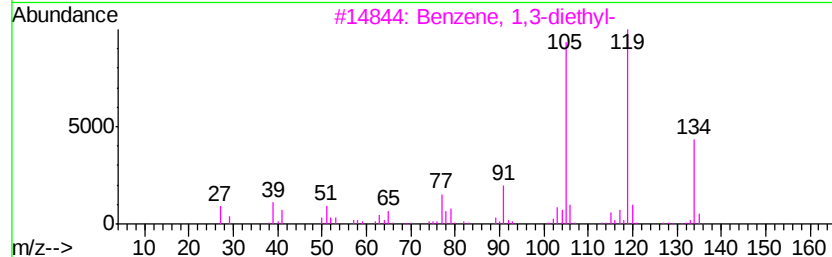
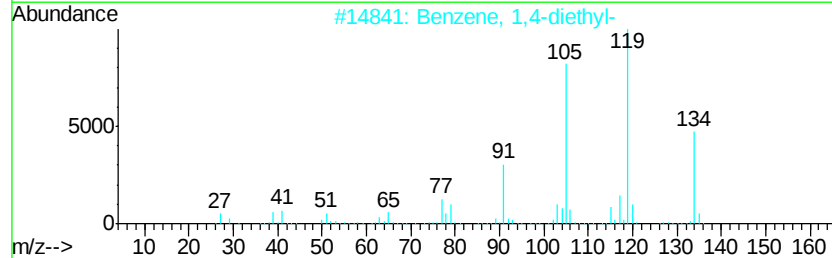
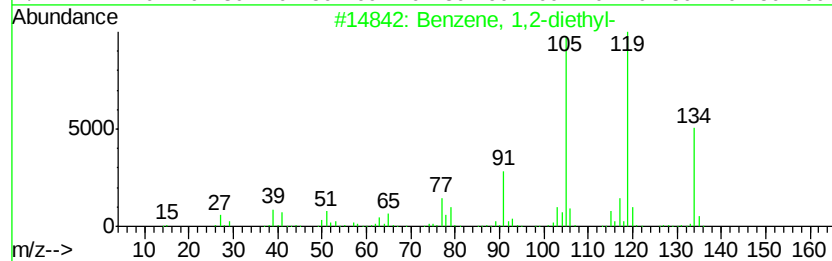
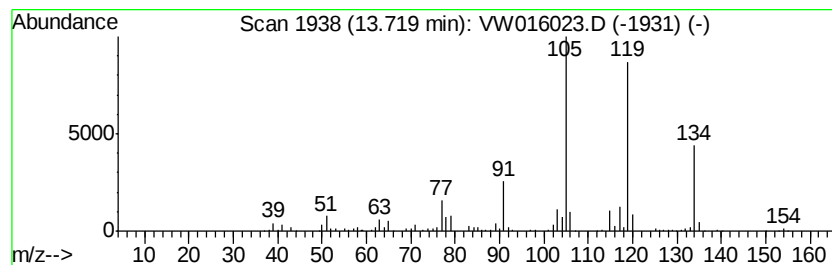
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Quant Title : VOC Analysis

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

Peak Number 40 Benzene, 1,2-diethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	13.45 ug/L	255301	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
2		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	96
3		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	96
4		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	93
5		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW073120\
Data File : VW016023.D
Acq On : 31 Jul 2020 16:36
Operator : SY/VA
Sample : L3533-01
Misc : 5.18G/10ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CB7H4

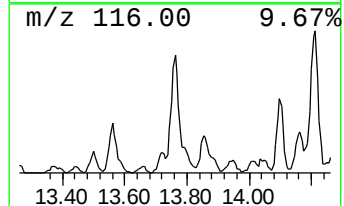
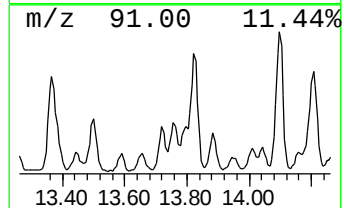
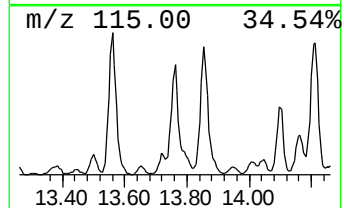
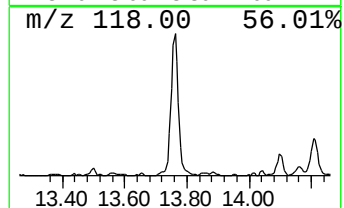
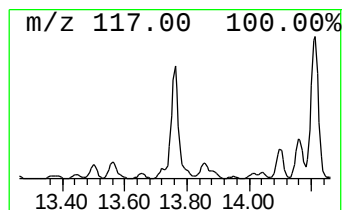
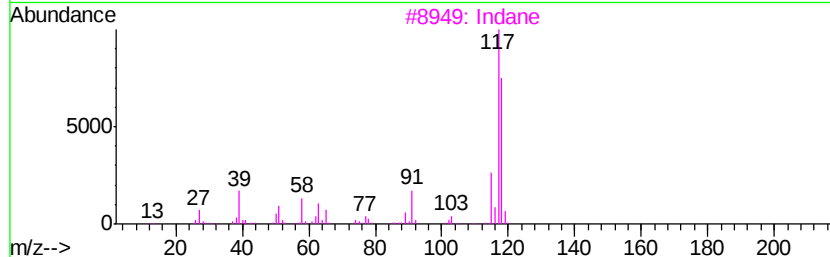
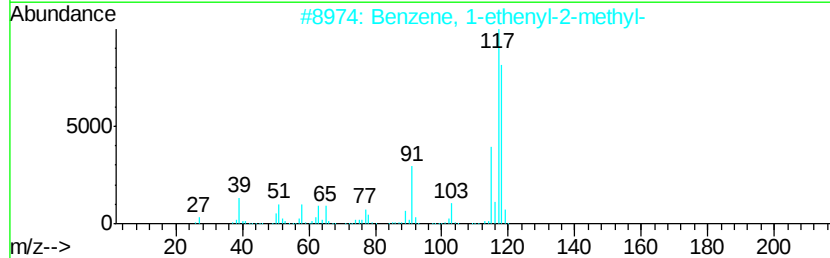
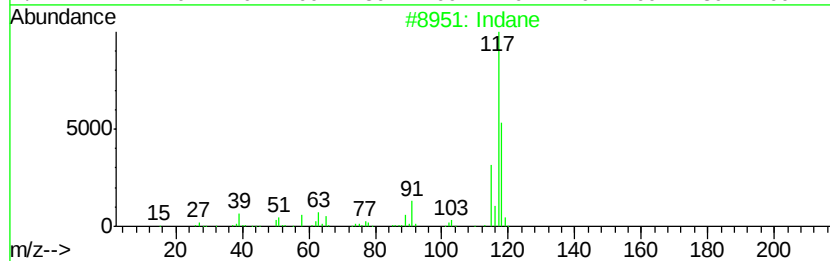
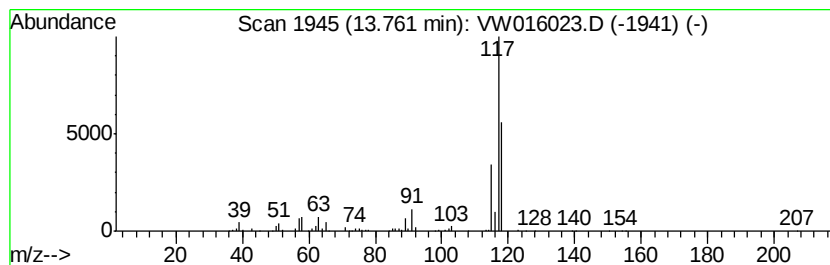
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Quant Title : VOC Analysis

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

Peak Number 41 Indane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	14.16 ug/L	268677	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Indane	118	C9H10	000496-11-7	93
2		Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	81
3		Indane	118	C9H10	000496-11-7	81
4		Benzeneethanol, .beta.-ethenyl-	148	C10H12O	006052-63-7	72
5		Benzene, cyclopropyl-	118	C9H10	000873-49-4	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW073120\
Data File : VW016023.D
Acq On : 31 Jul 2020 16:36
Operator : SY/VA
Sample : L3533-01
Misc : 5.18G/10ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CB7H4

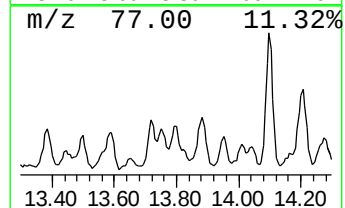
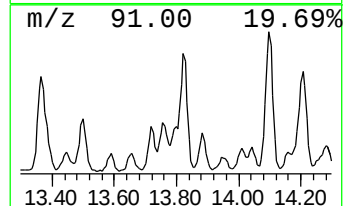
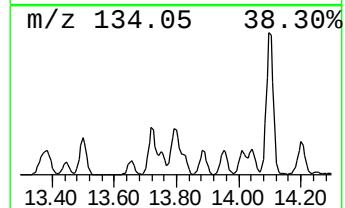
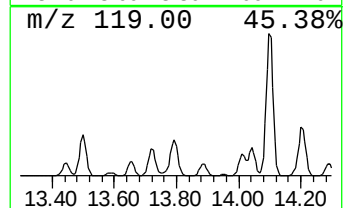
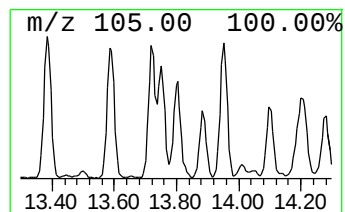
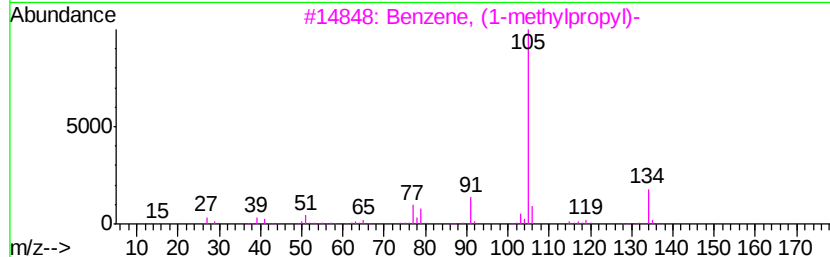
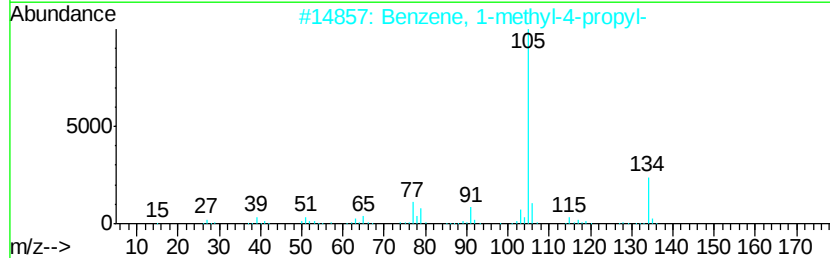
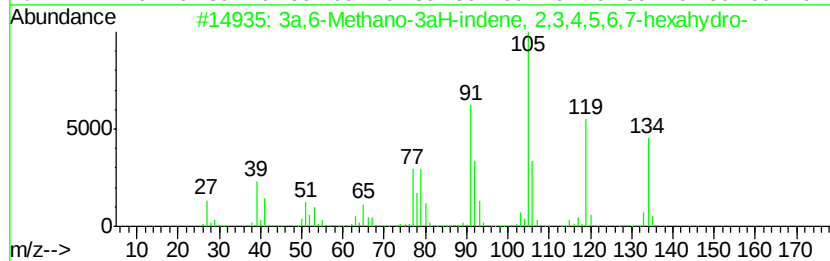
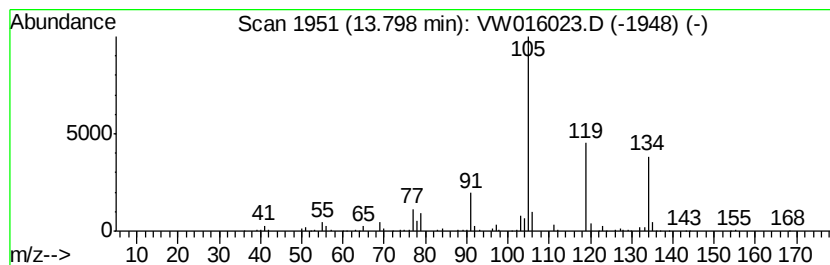
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Quant Title : VOC Analysis

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

Peak Number 42 3a,6-Methano-3aH-indene, 2,... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.80	7.01 ug/L	132986	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3a,6-Methano-3aH-indene, 2,3,4,5...	134	C10H14	098640-10-9	72
2		Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	58
3		Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	52
4		Oxirane, 2-methyl-2-phenyl-	134	C9H10O	002085-88-3	49
5		Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW073120\
Data File : VW016023.D
Acq On : 31 Jul 2020 16:36
Operator : SY/VA
Sample : L3533-01
Misc : 5.18G/10ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CB7H4

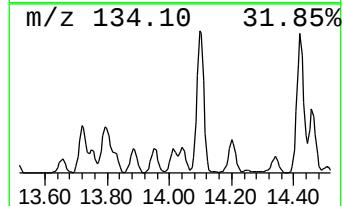
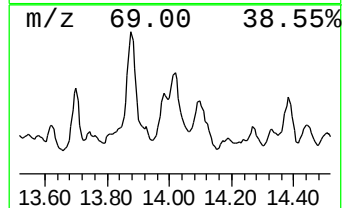
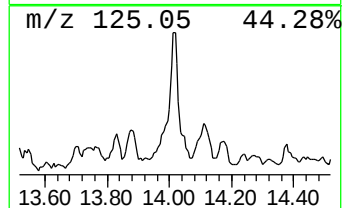
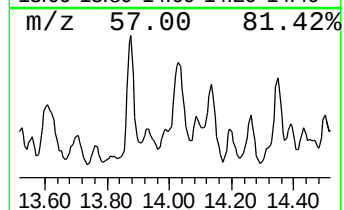
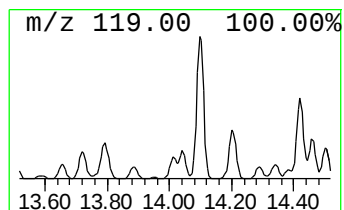
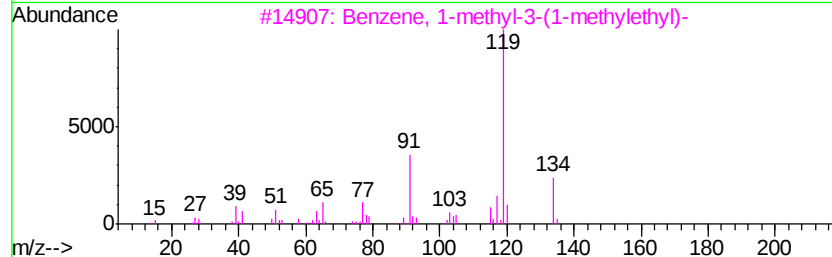
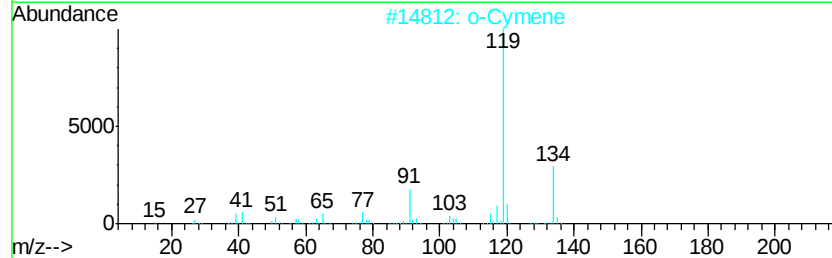
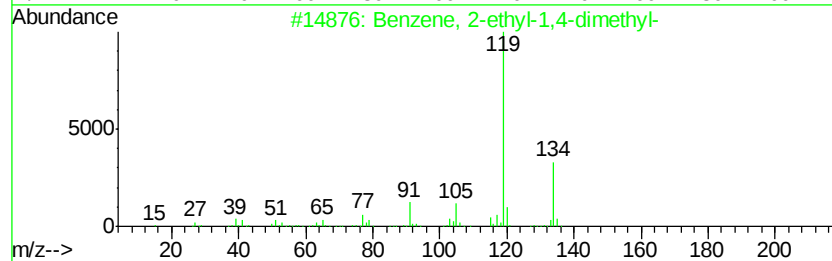
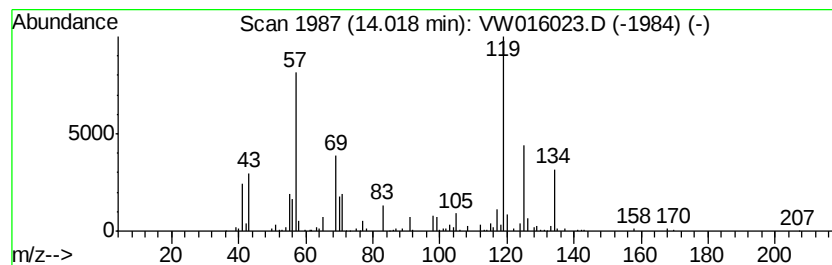
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Quant Title : VOC Analysis

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

Peak Number 43 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.02	3.51 ug/L	66569	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	60
2		o-Cymene	134	C10H14	000527-84-4	60
3		Benzene, 1-methyl-3-(1-methylethyl-)	134	C10H14	000535-77-3	60
4		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	60
5		Benzene, 1-methyl-3-(1-methylethyl-)	134	C10H14	000535-77-3	60



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW073120\
Data File : VW016023.D
Acq On : 31 Jul 2020 16:36
Operator : SY/VA
Sample : L3533-01
Misc : 5.18G/10ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CB7H4

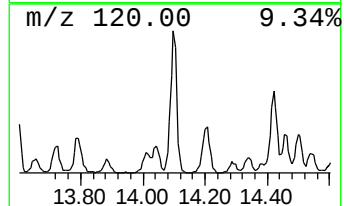
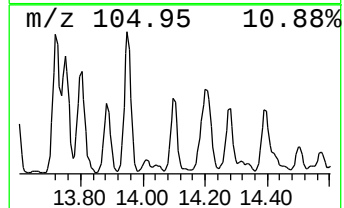
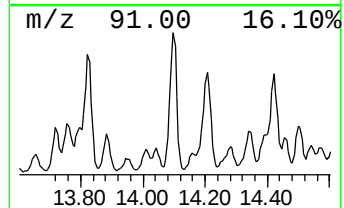
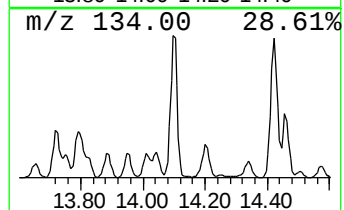
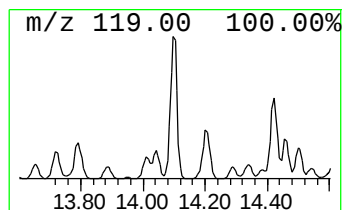
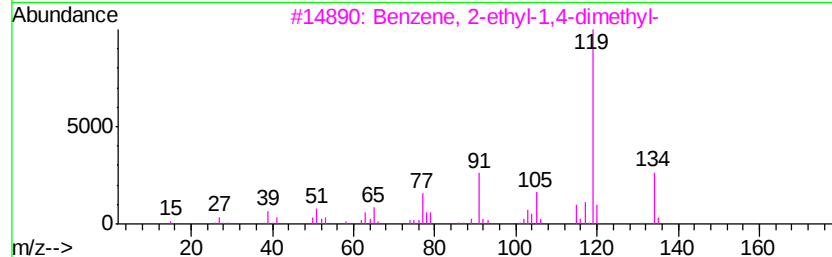
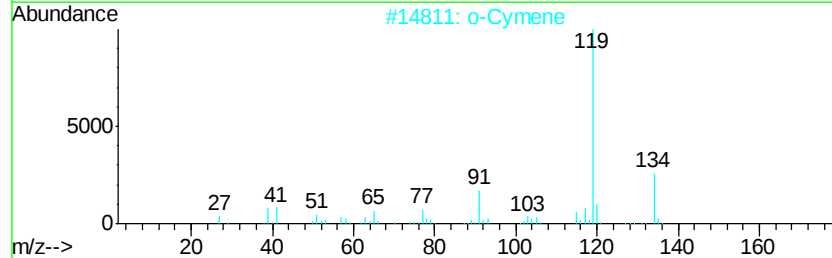
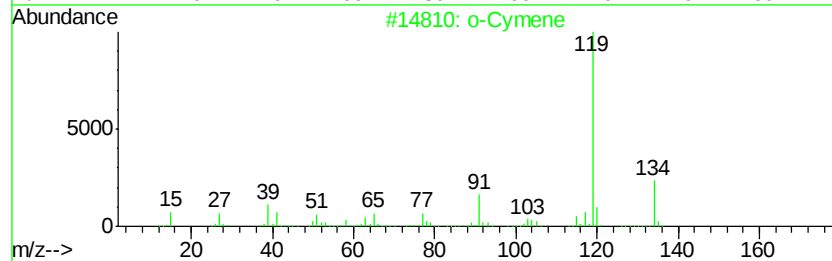
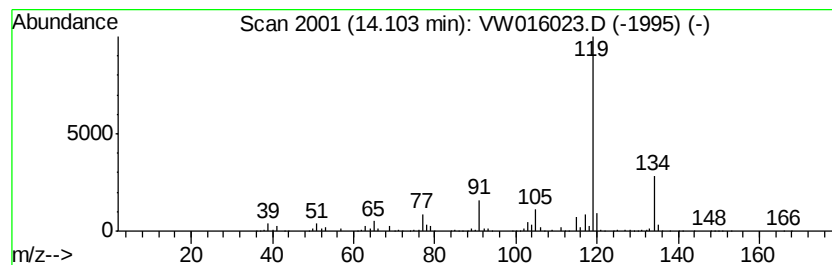
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Quant Title : VOC Analysis

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

Peak Number 44 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	31.09 ug/L	589955	1,4-Dichlorobenzene-d4	13.56

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW073120\
Data File : VW016023.D
Acq On : 31 Jul 2020 16:36
Operator : SY/VA
Sample : L3533-01
Misc : 5.18G/10ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CB7H4

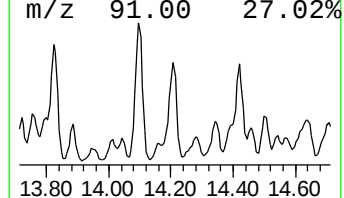
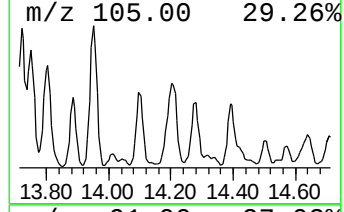
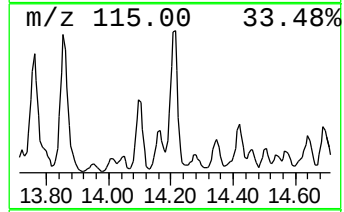
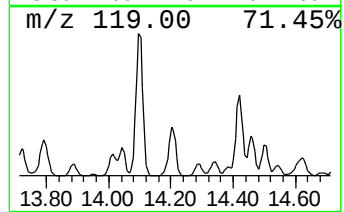
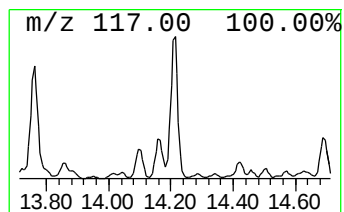
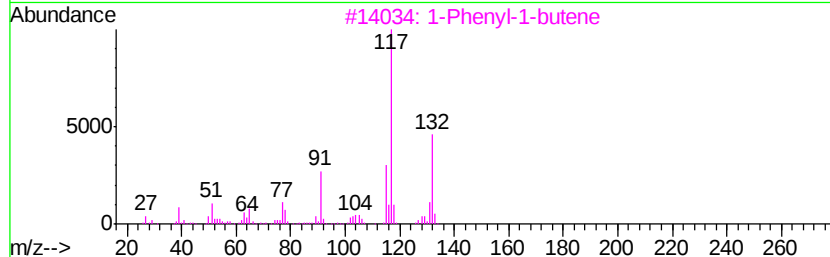
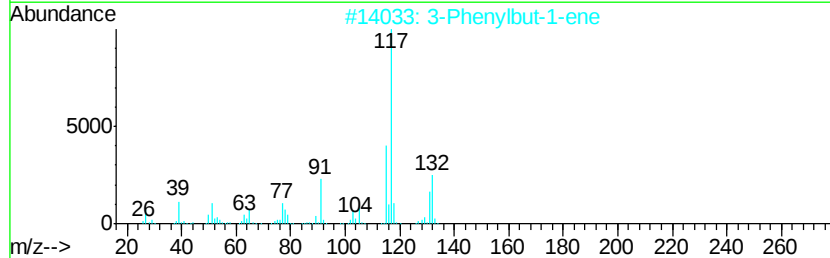
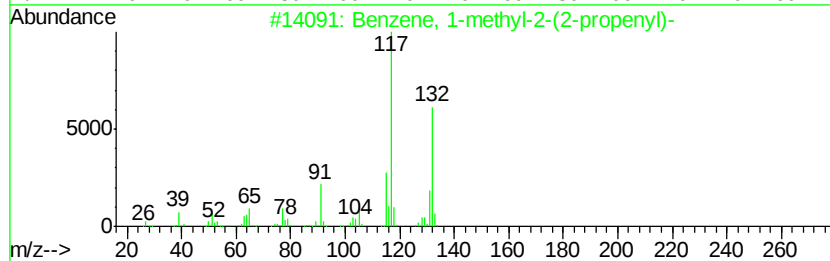
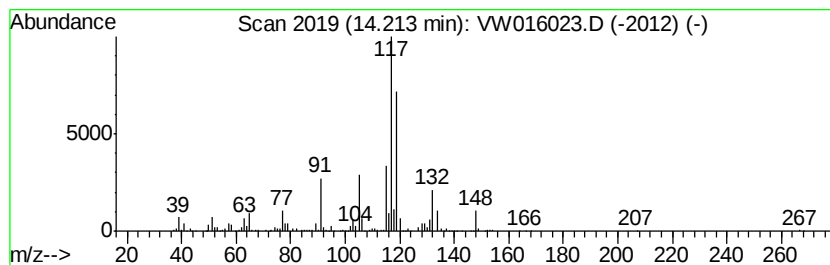
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Quant Title : VOC Analysis

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

Peak Number 45 Benzene, 1-methyl-2-(2-prop... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	28.77 ug/L	545838	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	50
2		3-Phenylbut-1-ene	132	C10H12	000934-10-1	50
3		1-Phenyl-1-butene	132	C10H12	000824-90-8	50
4		p-Cymene	134	C10H14	000099-87-6	46
5		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW073120\
Data File : VW016023.D
Acq On : 31 Jul 2020 16:36
Operator : SY/VA
Sample : L3533-01
Misc : 5.18G/10ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
CB7H4

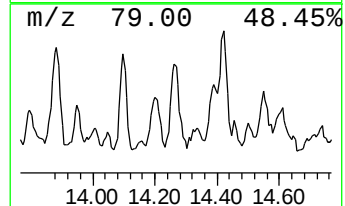
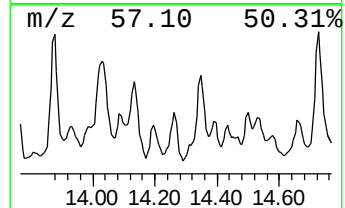
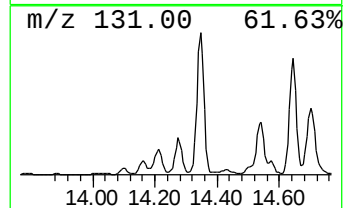
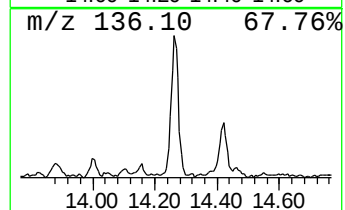
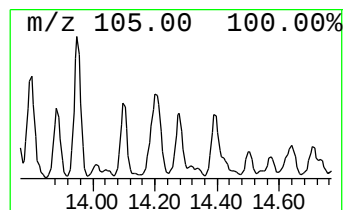
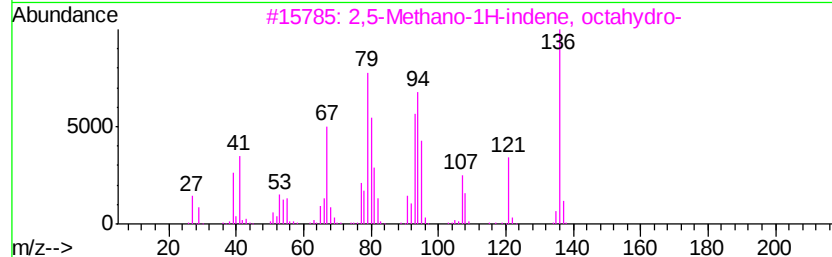
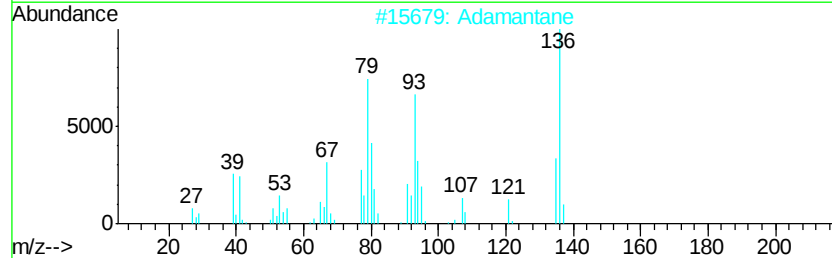
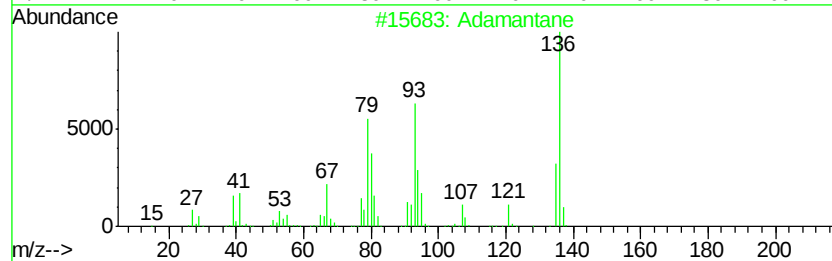
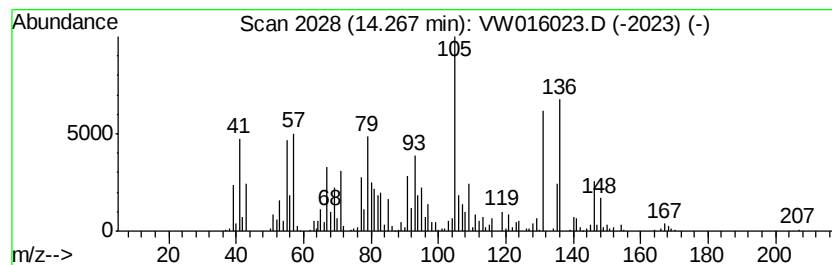
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Quant Title : VOC Analysis

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

Peak Number 46 Adamantane Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.27	11.61 ug/L	220400	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Adamantane	136	C10H16	000281-23-2	60
2		Adamantane	136	C10H16	000281-23-2	60
3		2,5-Methano-1H-indene, octahydro-	136	C10H16	019026-94-9	53
4		Adamantane	136	C10H16	000281-23-2	49
5		Bicyclo[3.3.1]non-2-en-9-one	136	C9H12O	004844-11-5	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW073120\
Data File : VW016023.D
Acq On : 31 Jul 2020 16:36
Operator : SY/VA
Sample : L3533-01
Misc : 5.18G/10ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CB7H4

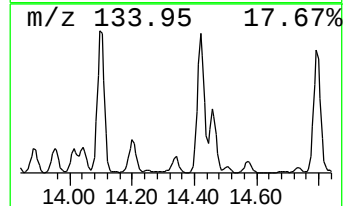
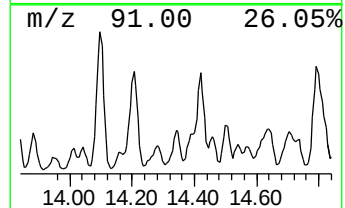
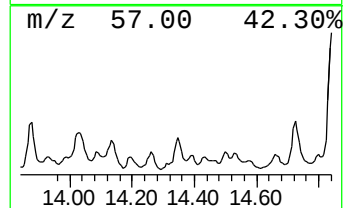
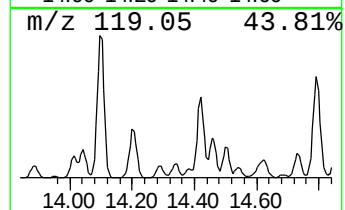
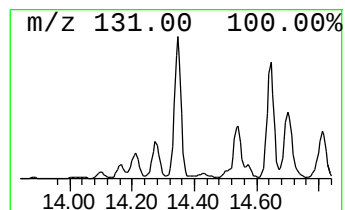
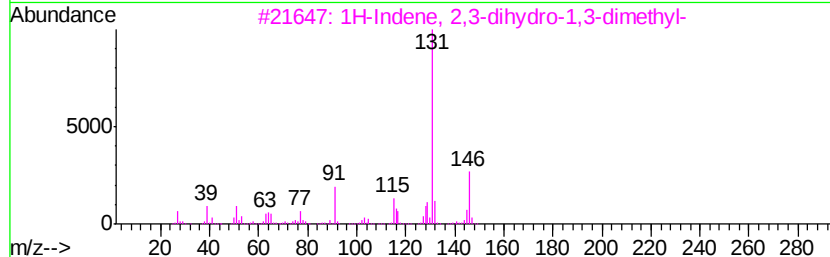
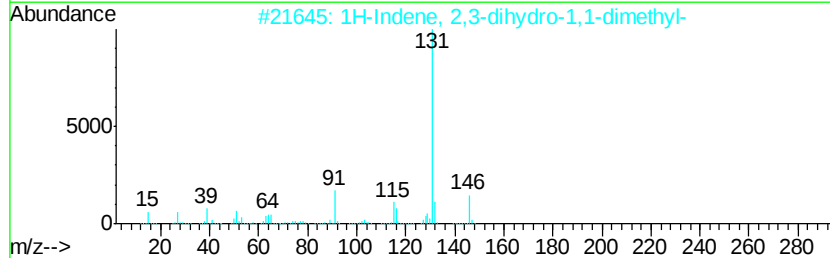
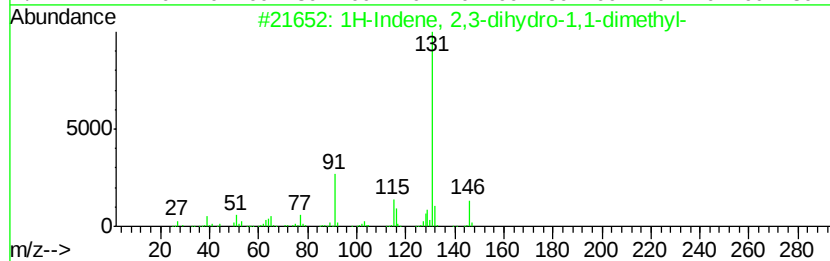
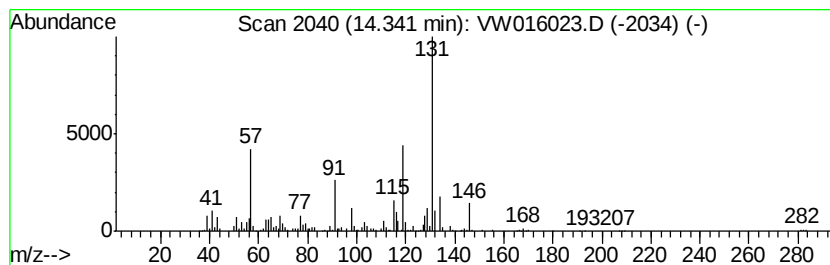
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Quant Title : VOC Analysis

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

Peak Number 47 1H-Indene, 2,3-dihydro-1,1-... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.34	14.05 ug/L	266679	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	91
2		1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	64
3		1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	64
4		Bicyclo[4.2.0]octa-1,3,5-triene,...	146	C11H14	027087-54-3	58
5		Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	52



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW073120\
Data File : VW016023.D
Acq On : 31 Jul 2020 16:36
Operator : SY/VA
Sample : L3533-01
Misc : 5.18G/10ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CB7H4

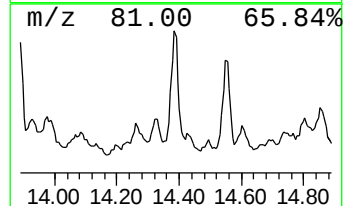
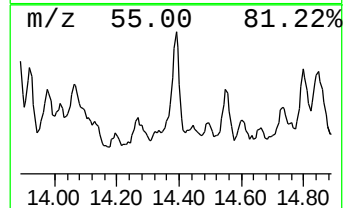
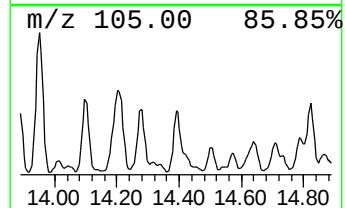
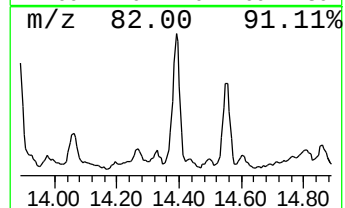
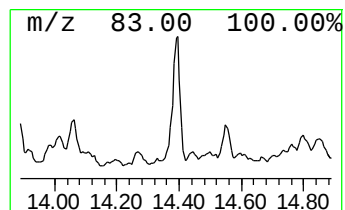
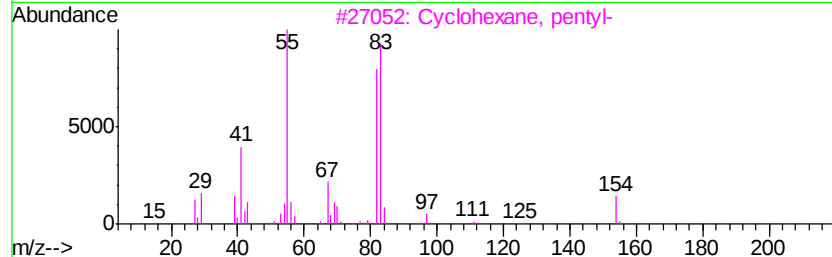
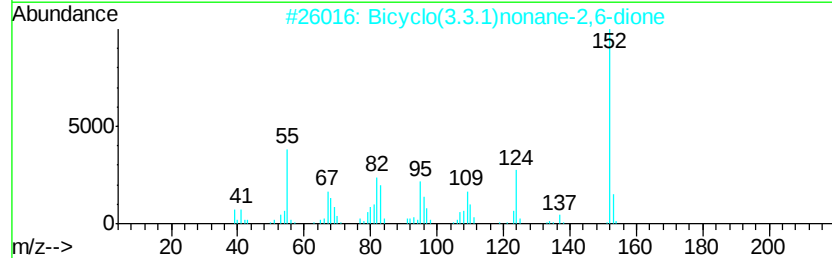
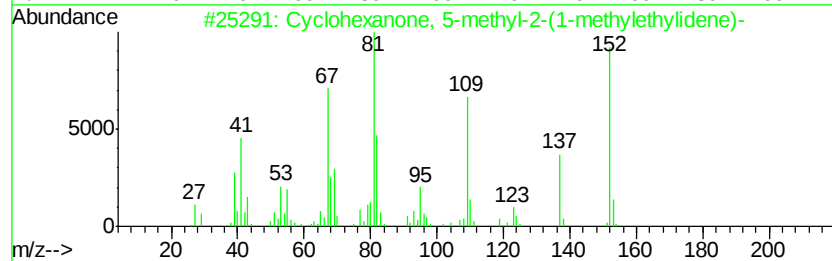
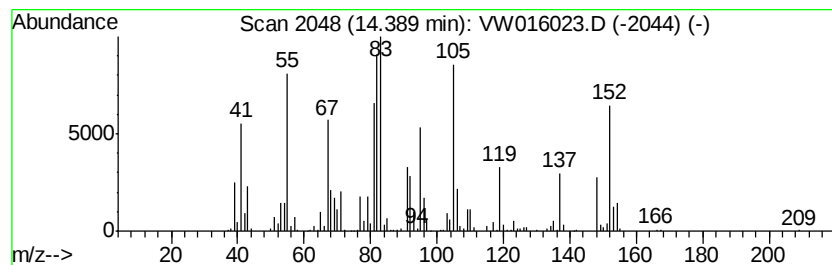
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Quant Title : VOC Analysis

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

Peak Number 48 Cyclohexanone, 5-methyl-2-(... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.39	19.21 ug/L	364540	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	51
2		Bicyclo(3.3.1)nonane-2,6-dione	152	C9H12O2	016473-11-3	49
3		Cyclohexane, pentyl-	154	C11H22	004292-92-6	46
4		Cyclohexane, pentyl-	154	C11H22	004292-92-6	38
5		Decalin, anti-1-methyl-, cis-	152	C11H20	1000158-89-0	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW073120\
Data File : VW016023.D
Acq On : 31 Jul 2020 16:36
Operator : SY/VA
Sample : L3533-01
Misc : 5.18G/10ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CB7H4

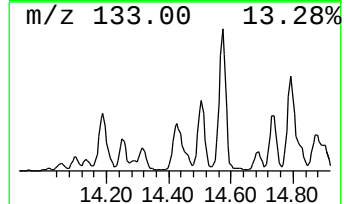
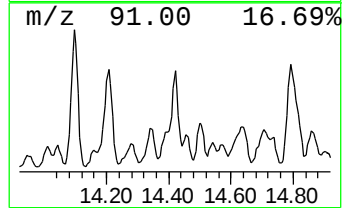
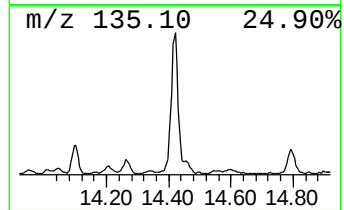
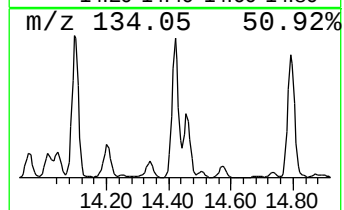
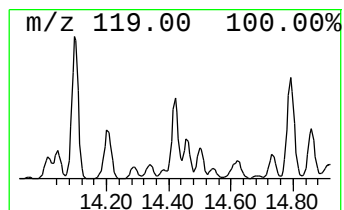
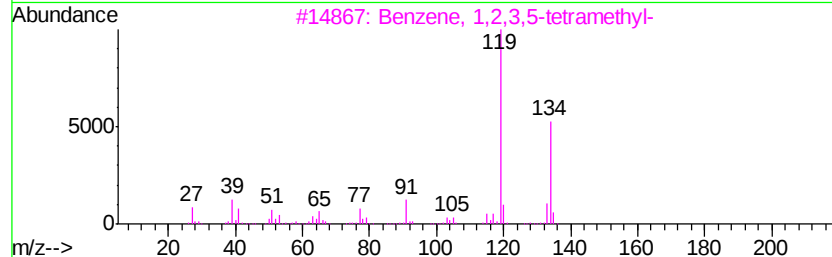
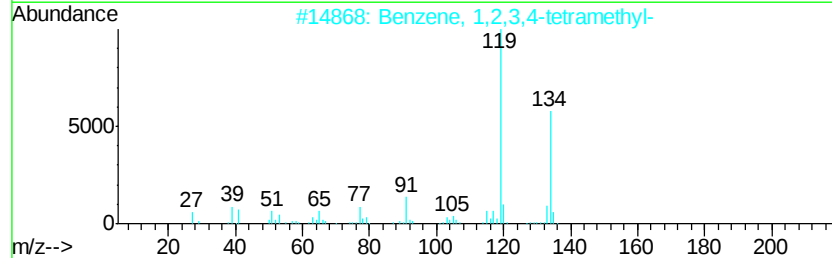
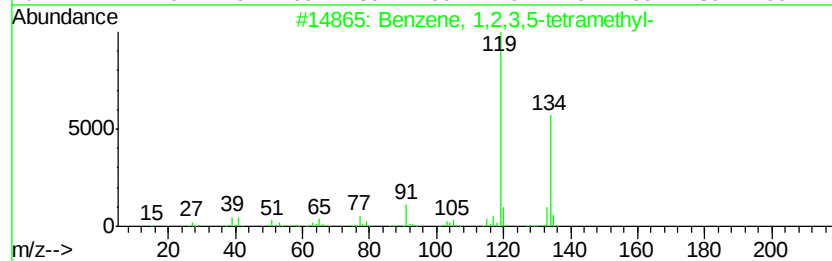
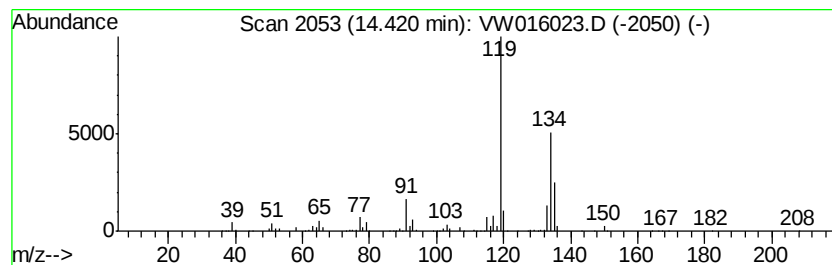
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Quant Title : VOC Analysis

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

Peak Number 49 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.42	24.10 ug/L	457321	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	90
2		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	90
3		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	90
4		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	90
5		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW073120\
Data File : VW016023.D
Acq On : 31 Jul 2020 16:36
Operator : SY/VA
Sample : L3533-01
Misc : 5.18G/10ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CB7H4

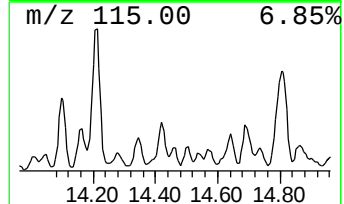
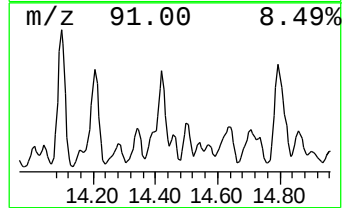
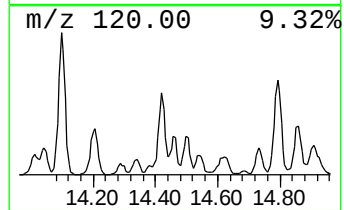
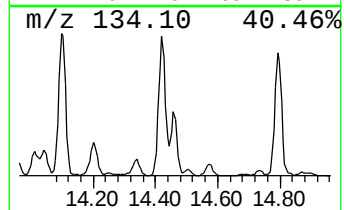
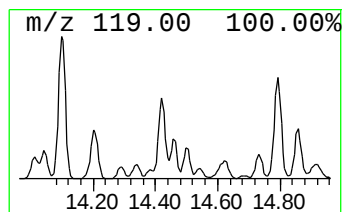
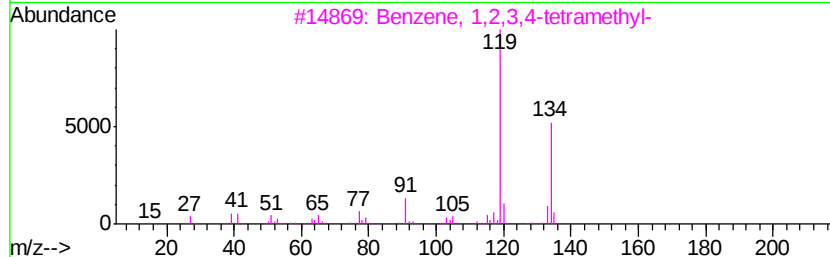
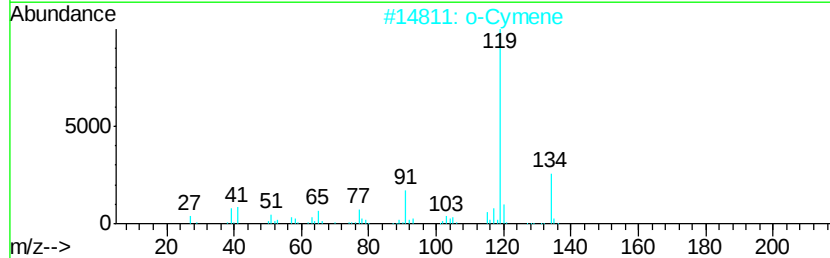
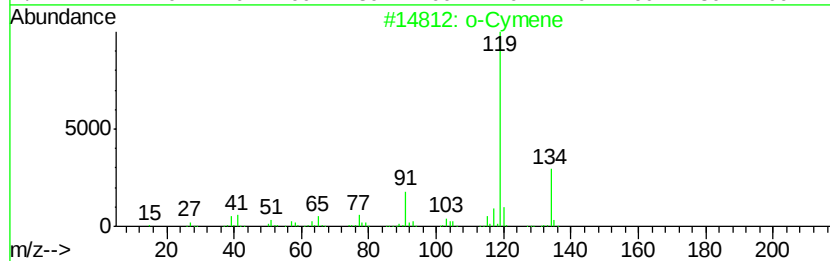
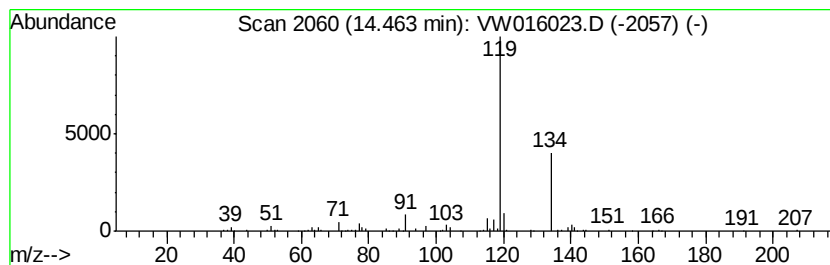
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Quant Title : VOC Analysis

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

Peak Number 50 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.46	6.51 ug/L	123598	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	o-Cymene	134	C10H14	000527-84-4	91
2		o-Cymene	134	C10H14	000527-84-4	91
3		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
4		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91
5		o-Cymene	134	C10H14	000527-84-4	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW073120\
Data File : VW016023.D
Acq On : 31 Jul 2020 16:36
Operator : SY/VA
Sample : L3533-01
Misc : 5.18G/10ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CB7H4

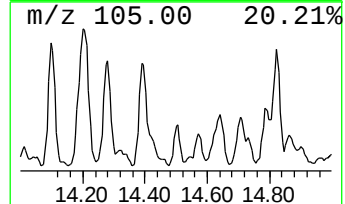
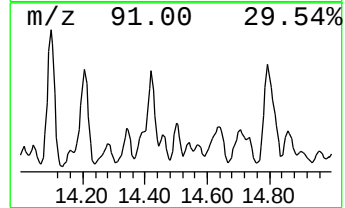
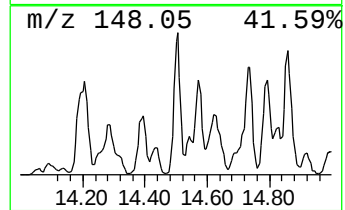
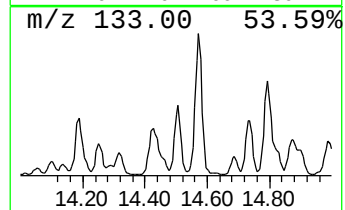
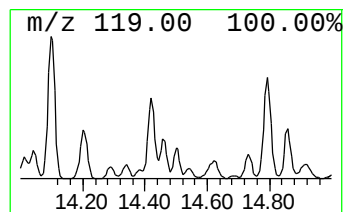
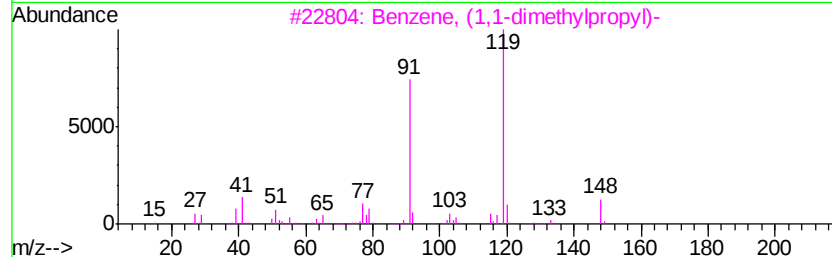
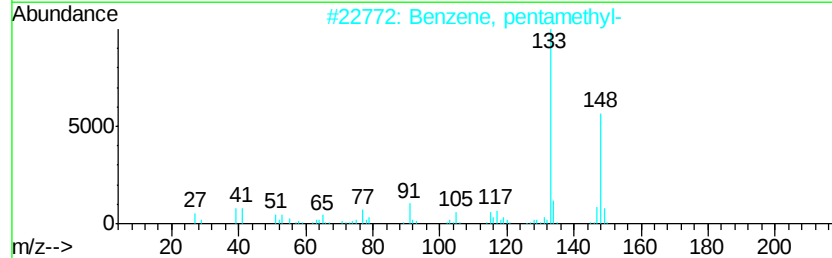
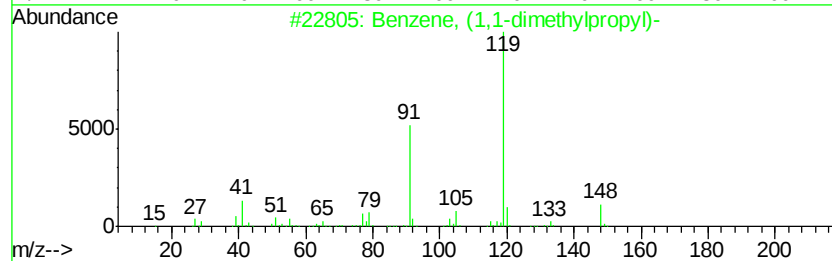
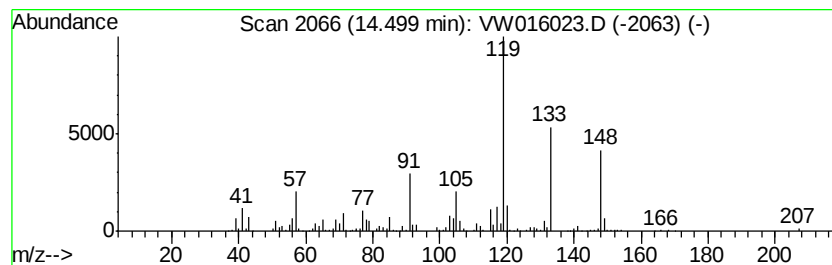
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Quant Title : VOC Analysis

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

Peak Number 51 Benzene, (1,1-dimethylpropyl)- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.50	10.12 ug/L	192068	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	50
2		Benzene, pentamethyl-	148	C11H16	000700-12-9	50
3		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	50
4		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	49
5		4'-Methylpropiophenone	148	C10H12O	005337-93-9	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW073120\
Data File : VW016023.D
Acq On : 31 Jul 2020 16:36
Operator : SY/VA
Sample : L3533-01
Misc : 5.18G/10ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CB7H4

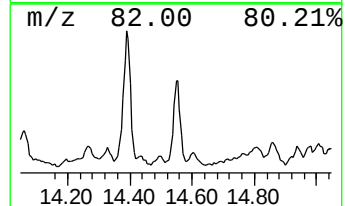
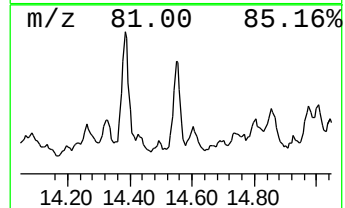
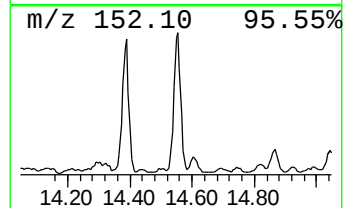
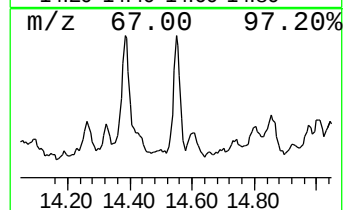
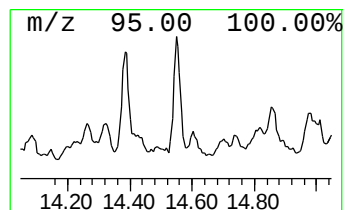
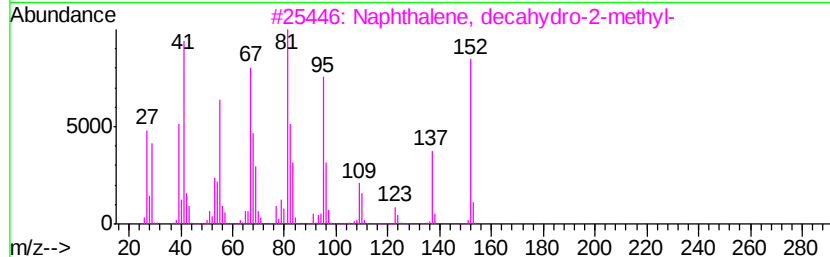
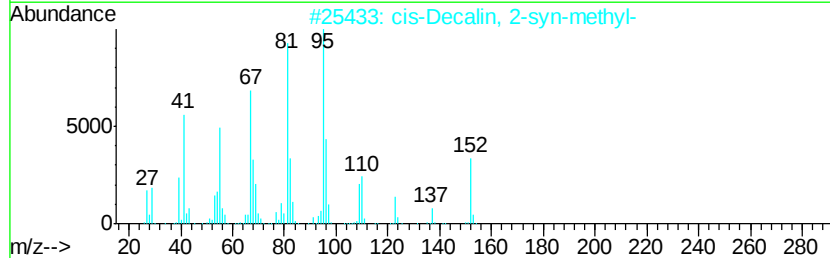
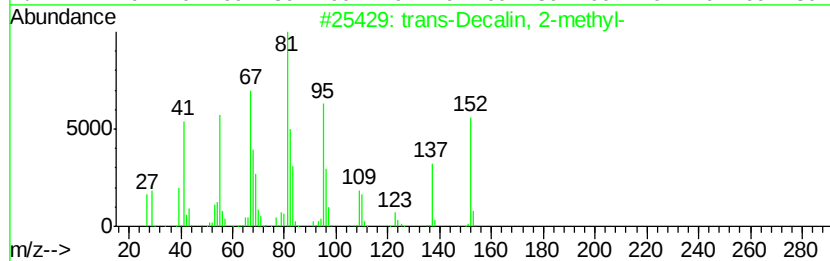
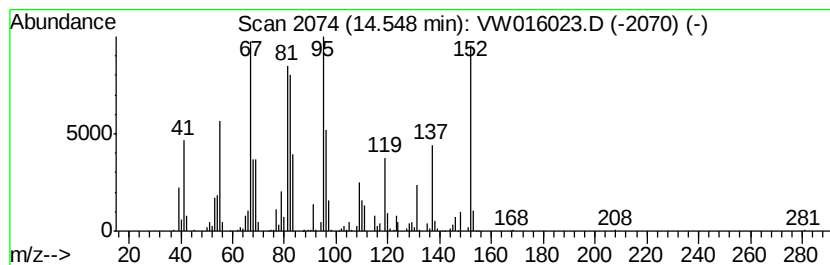
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Quant Title : VOC Analysis

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

Peak Number 52 trans-Decalin, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.55	15.61 ug/L	296231	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	89
2			cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	76
3			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	76
4			trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	60
5			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	52



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW073120\
Data File : VW016023.D
Acq On : 31 Jul 2020 16:36
Operator : SY/VA
Sample : L3533-01
Misc : 5.18G/10ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

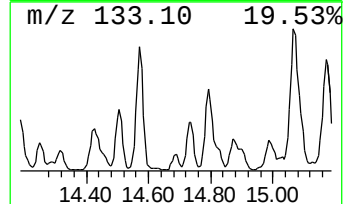
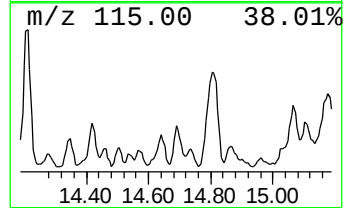
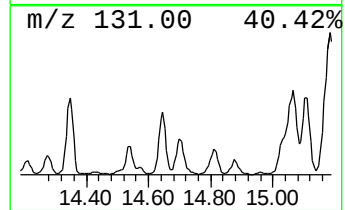
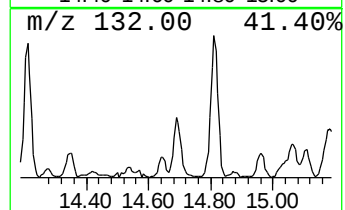
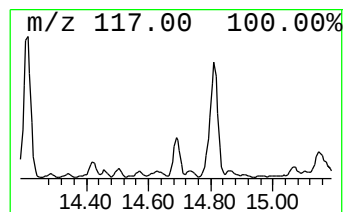
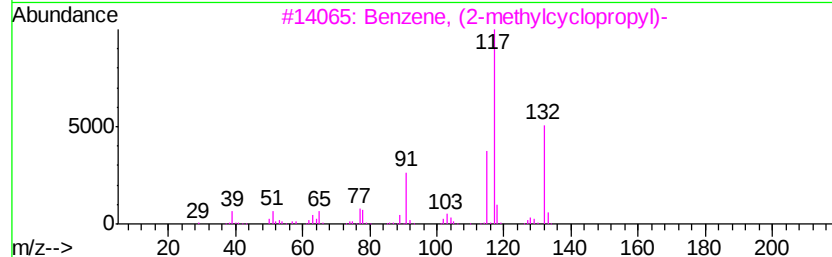
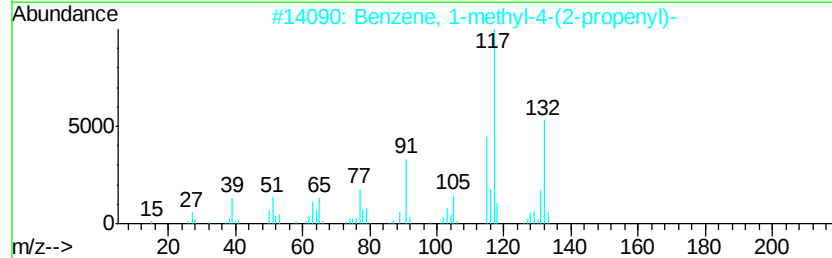
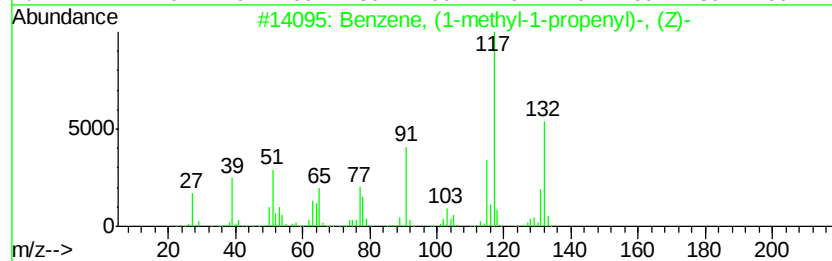
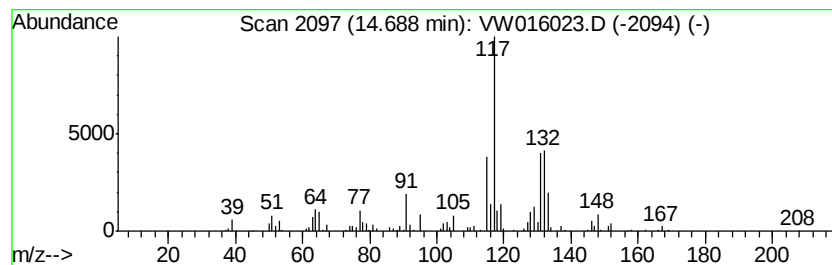
Instrument :
MSVOA_W
ClientSampleId :
CB7H4

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Quant Title : VOC Analysis

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

Peak Number 53 Benzene, (1-methyl-1-propen... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	5.69 ug/L	107969	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, (1-methyl-1-propenyl)-,...	132 C10H12	000767-99-7 68
2		Benzene, 1-methyl-4-(2-propenyl)-	132 C10H12	003333-13-9 68
3		Benzene, (2-methylcyclopropyl)-	132 C10H12	1000327-39-0 64
4		Azulene, 1,2,3,3a-tetrahydro-	132 C10H12	033877-87-1 64
5		1H-Indene, 2,3-dihydro-5-methyl-	132 C10H12	000874-35-1 64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW073120\
Data File : VW016023.D
Acq On : 31 Jul 2020 16:36
Operator : SY/VA
Sample : L3533-01
Misc : 5.18G/10ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CB7H4

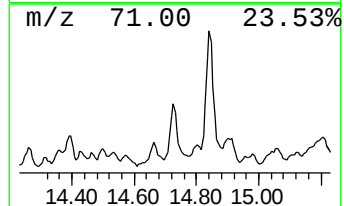
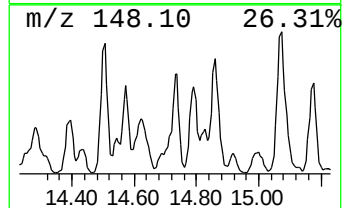
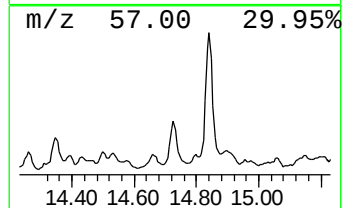
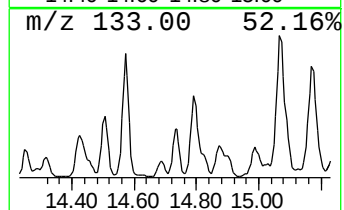
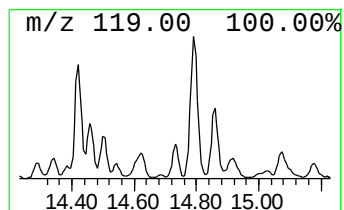
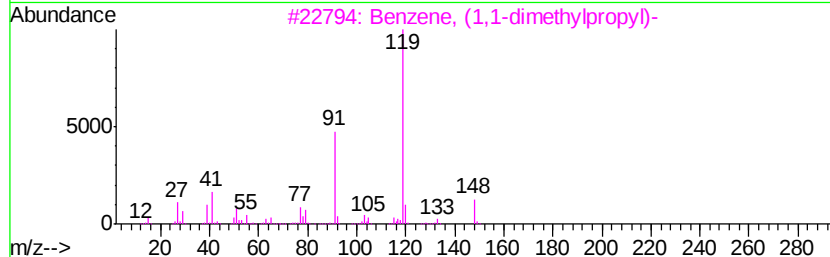
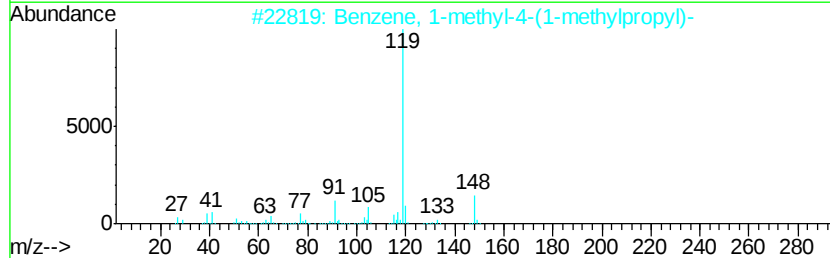
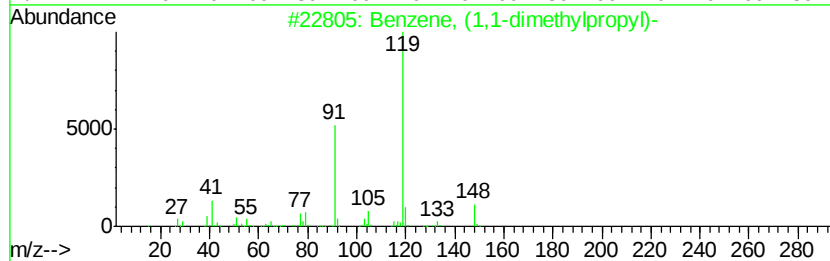
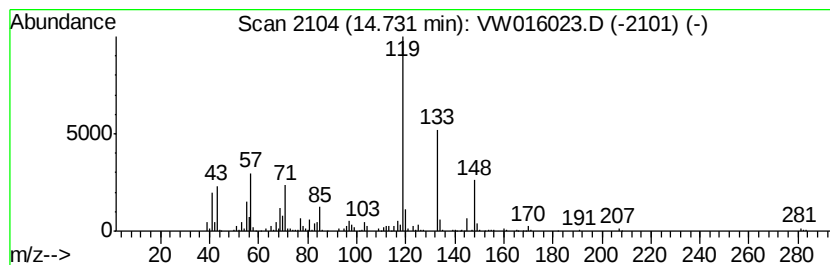
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Quant Title : VOC Analysis

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

Peak Number 54 unknown-02 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	12.31 ug/L	233499	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	49
2		Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	47
3		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	47
4		Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	46
5		1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW073120\
Data File : VW016023.D
Acq On : 31 Jul 2020 16:36
Operator : SY/VA
Sample : L3533-01
Misc : 5.18G/10ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CB7H4

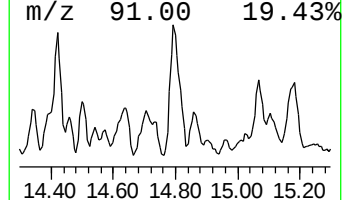
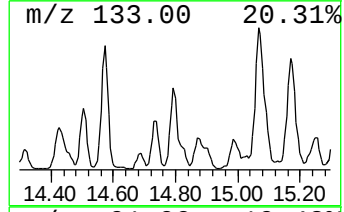
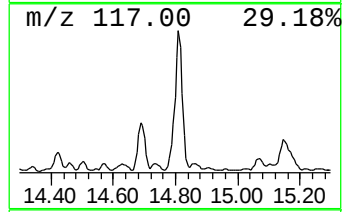
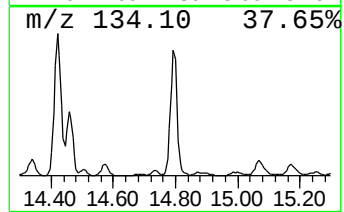
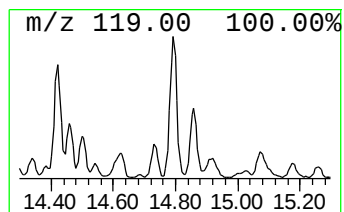
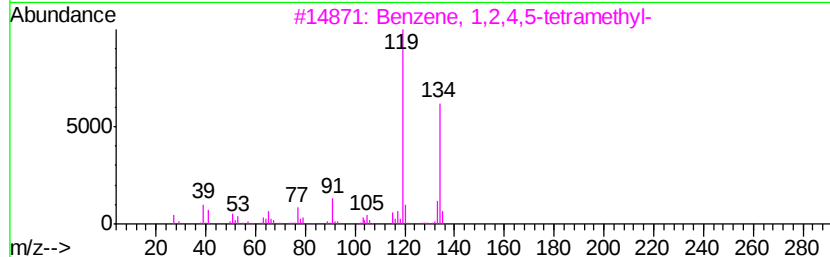
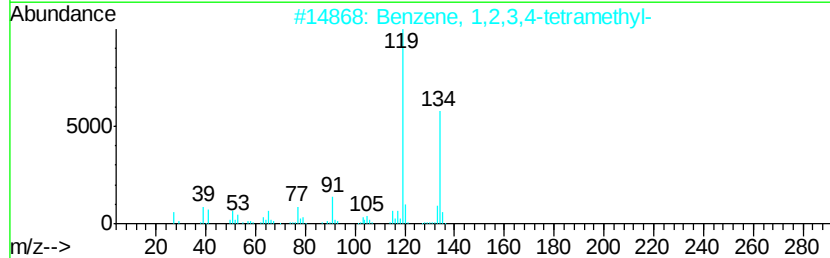
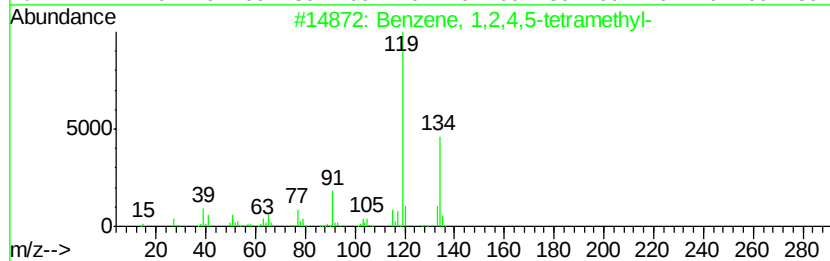
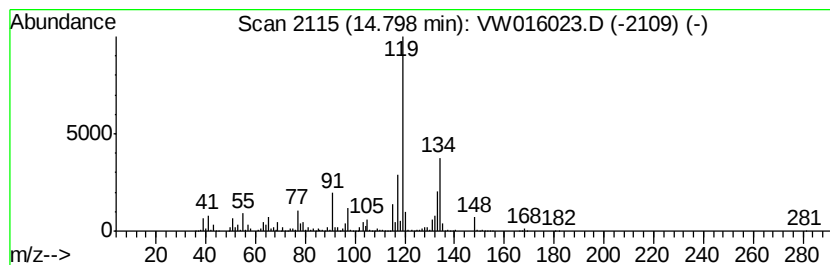
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Quant Title : VOC Analysis

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

Peak Number 55 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	47.41 ug/L	899597	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	70
2		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	70
3		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	70
4		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	70
5		o-Cymene	134	C10H14	000527-84-4	70



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW073120\
Data File : VW016023.D
Acq On : 31 Jul 2020 16:36
Operator : SY/VA
Sample : L3533-01
Misc : 5.18G/10ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

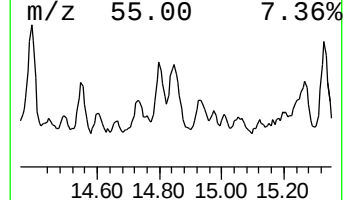
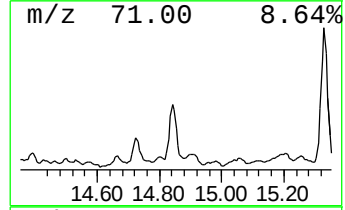
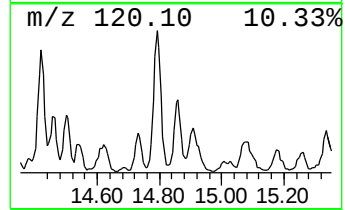
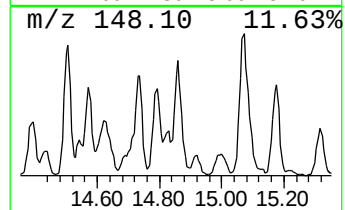
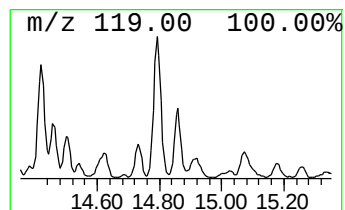
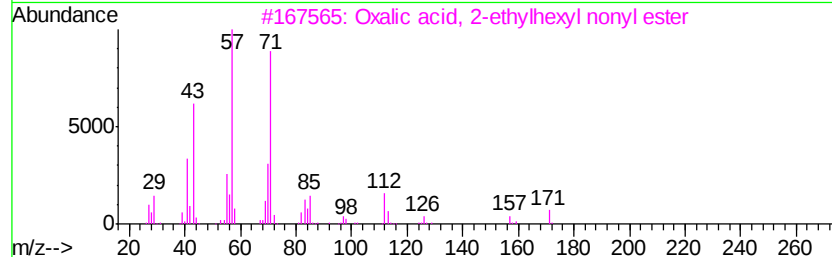
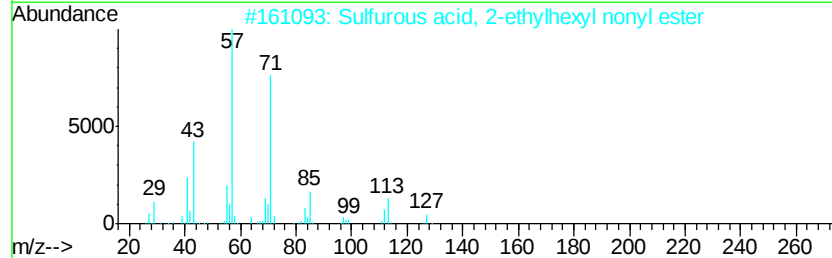
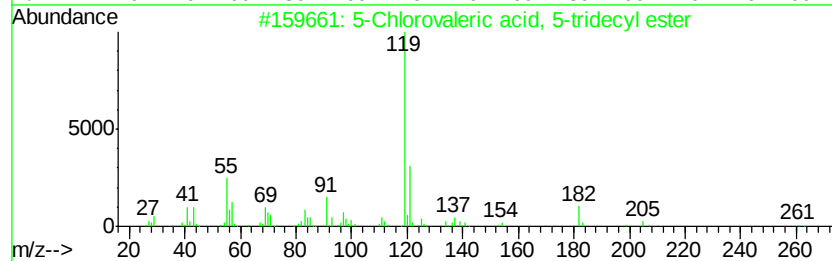
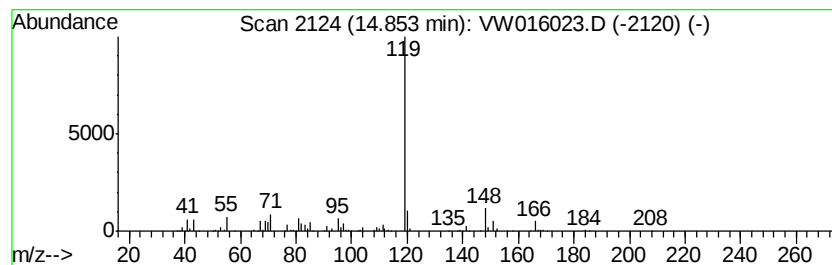
Instrument :
MSVOA_W
ClientSampleId :
CB7H4

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

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

Peak Number 56 5-Chlorovaleric acid, 5-tri... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.		
14.85	25.23 ug/L	478726	1,4-Dichlorobenzene-d4	13.56		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Chlorovaleric acid, 5-tridecyl...	318	C18H35ClO2	1000299-91-5	50	
2	Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	27	
3	Oxalic acid, 2-ethylhexyl nonyl ...	328	C19H36O4	1000309-39-2	27	
4	Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	25	
5	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	25	



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW073120\
Data File : VW016023.D
Acq On : 31 Jul 2020 16:36
Operator : SY/VA
Sample : L3533-01
Misc : 5.18G/10ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CB7H4

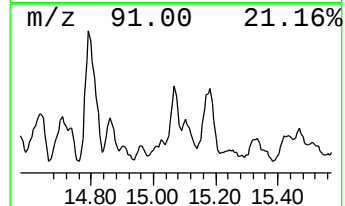
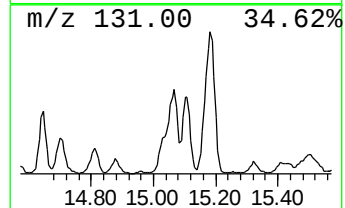
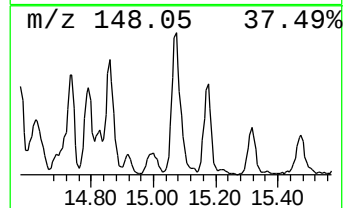
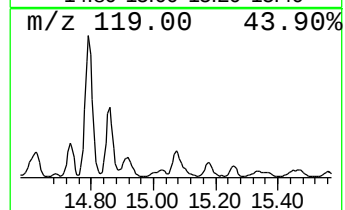
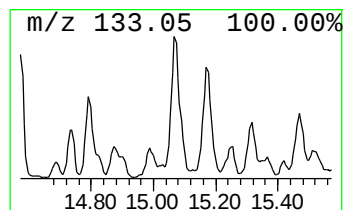
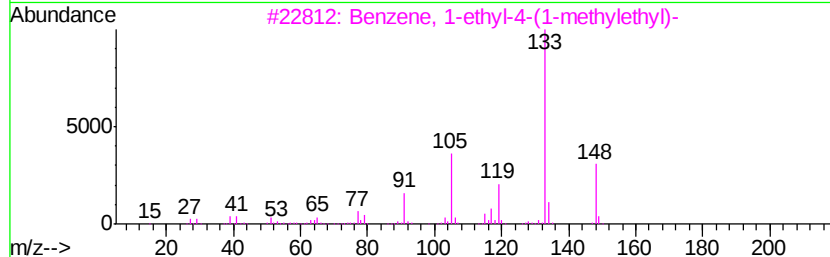
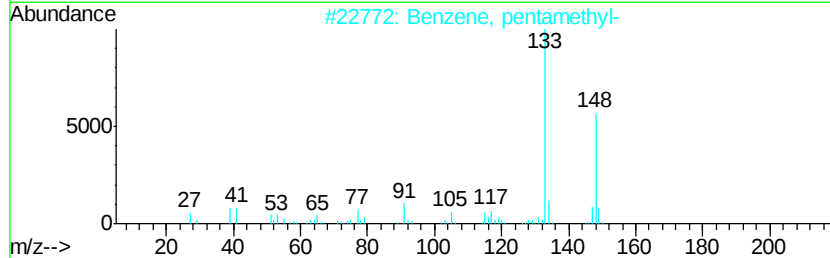
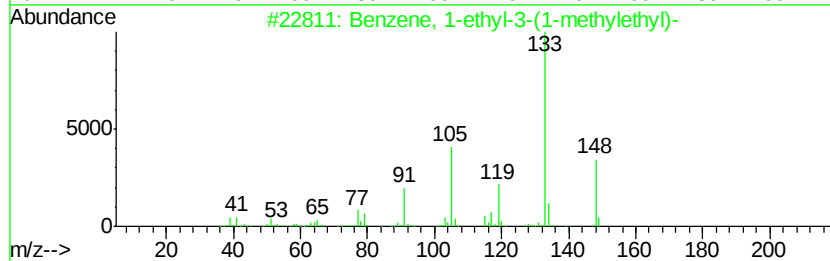
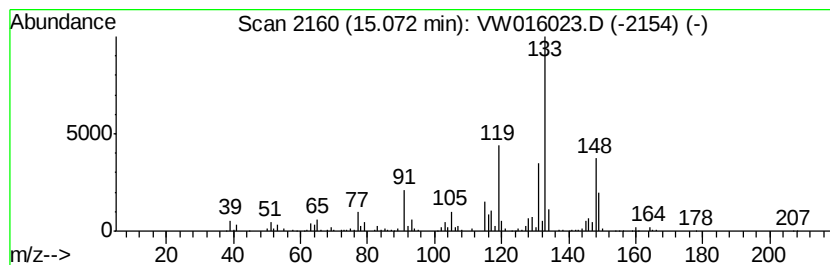
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

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

Peak Number 57 Benzene, 1-ethyl-3-(1-methy... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	15.37 ug/L	291667	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	52
2		Benzene, pentamethyl-	148	C11H16	000700-12-9	52
3		Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	52
4		Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	52
5		Benzene, pentamethyl-	148	C11H16	000700-12-9	49



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW073120\
Data File : VW016023.D
Acq On : 31 Jul 2020 16:36
Operator : SY/VA
Sample : L3533-01
Misc : 5.18G/10ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CB7H4

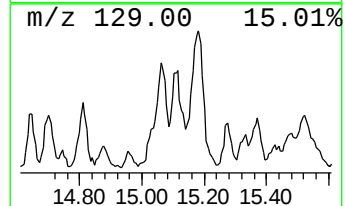
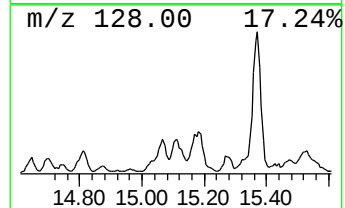
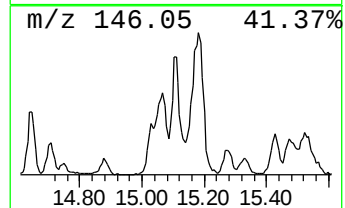
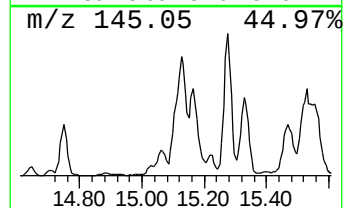
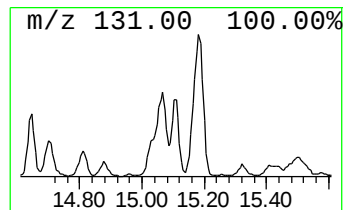
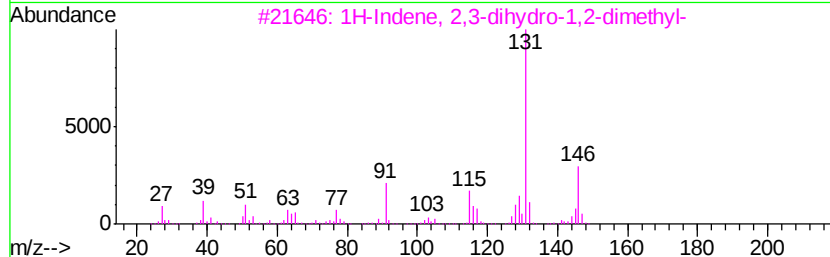
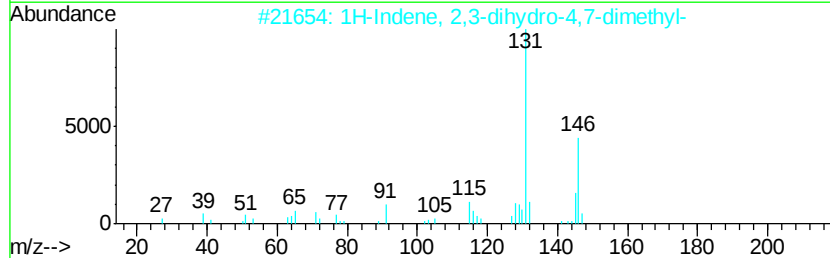
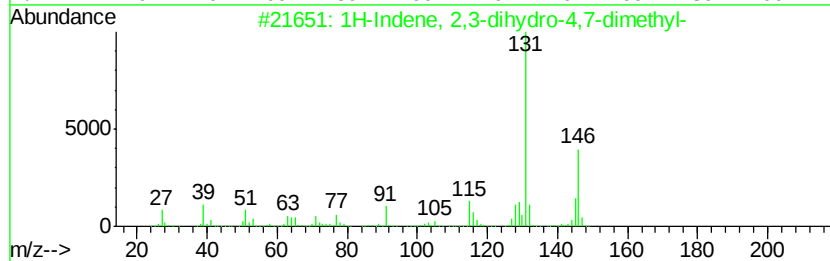
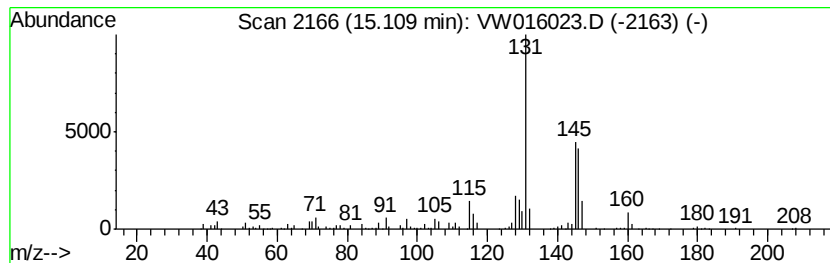
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Quant Title : VOC Analysis

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

Peak Number 58 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.11	7.71 ug/L	146214	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	81
2			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	74
3			1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	74
4			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	72
5			1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW073120\
Data File : VW016023.D
Acq On : 31 Jul 2020 16:36
Operator : SY/VA
Sample : L3533-01
Misc : 5.18G/10ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CB7H4

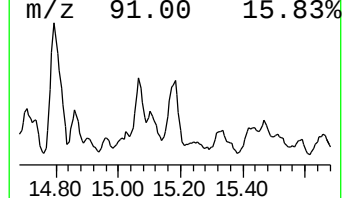
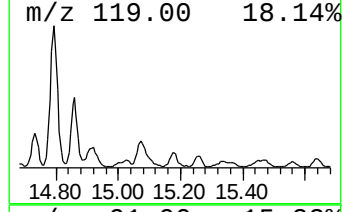
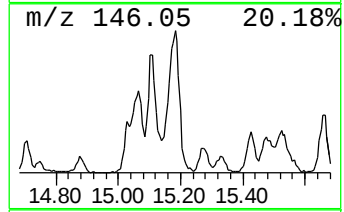
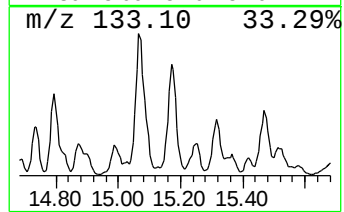
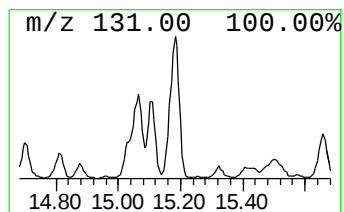
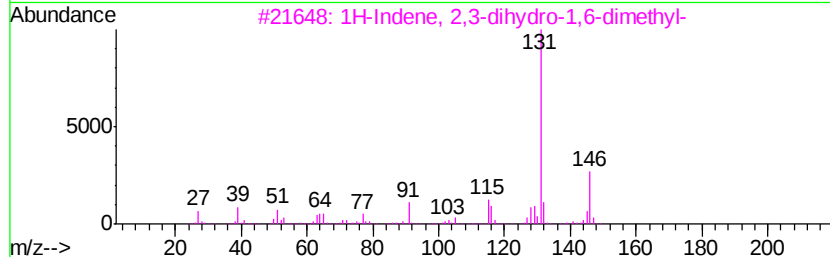
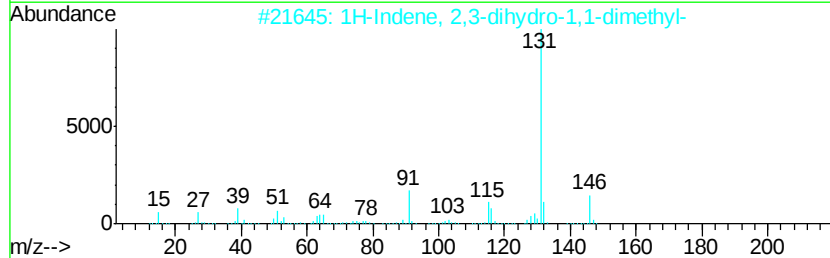
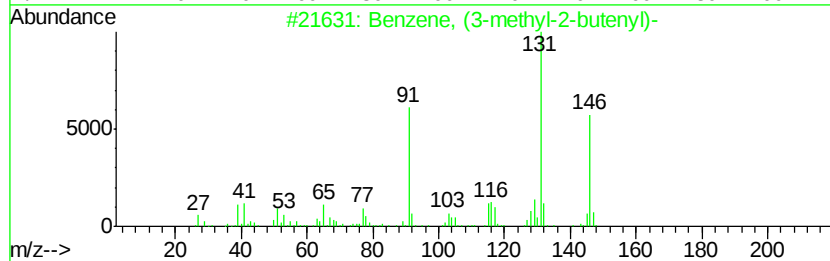
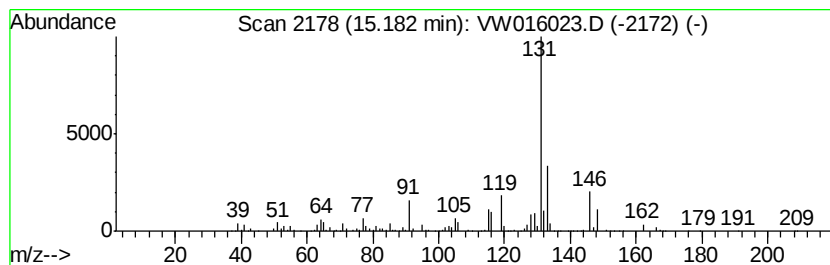
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Quant Title : VOC Analysis

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

Peak Number 59 Benzene, (3-methyl-2-butenyl)- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.18	24.29 ug/L	460900	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	91
2		1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	91
3		1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	83
4		2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	64
5		Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW073120\
Data File : VW016023.D
Acq On : 31 Jul 2020 16:36
Operator : SY/VA
Sample : L3533-01
Misc : 5.18G/10ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CB7H4

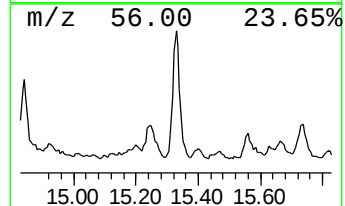
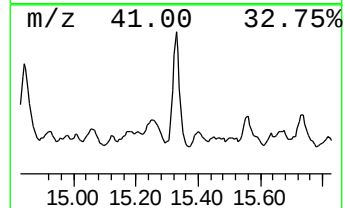
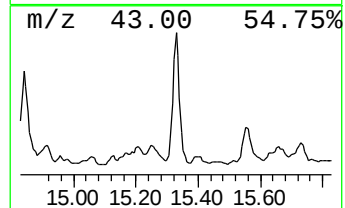
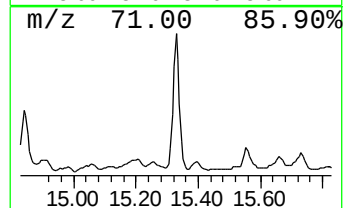
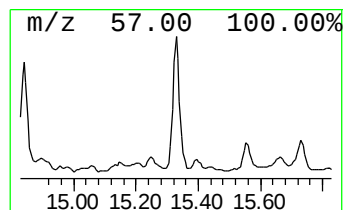
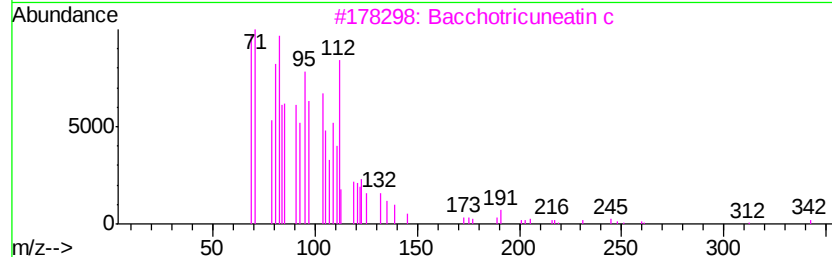
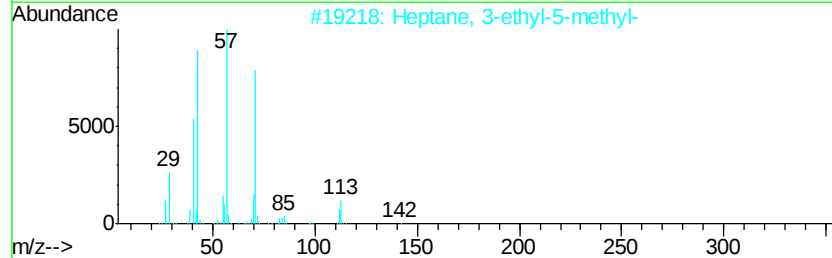
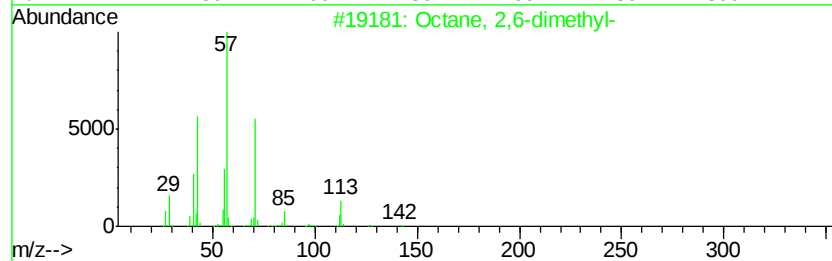
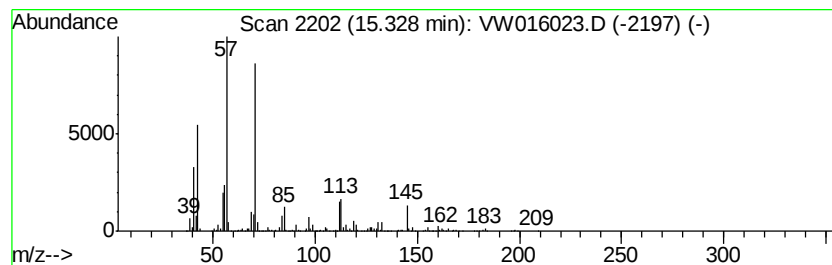
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Quant Title : VOC Analysis

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

Peak Number 60 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	32.48 ug/L	616302	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	80
2		Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	64
3		Bacchotricuneatin c	342	C20H22O5	066563-30-2	64
4		Sulfurous acid, dodecyl 2-ethylh...	362	C20H42O3S	1000309-19-5	64
5		Octane, 2,3,7-trimethyl-	156	C11H24	062016-34-6	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW073120\
Data File : VW016023.D
Acq On : 31 Jul 2020 16:36
Operator : SY/VA
Sample : L3533-01
Misc : 5.18G/10ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CB7H4

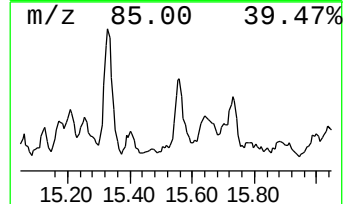
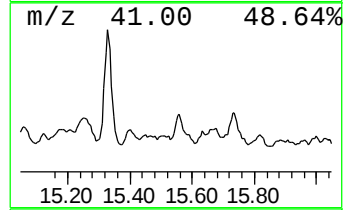
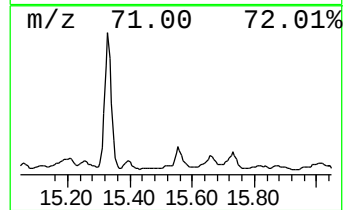
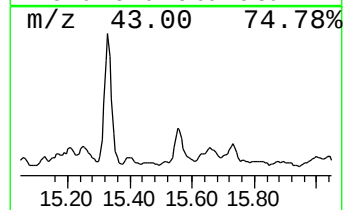
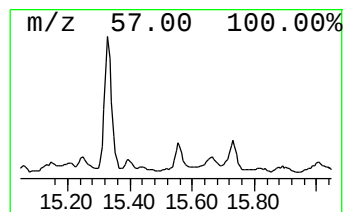
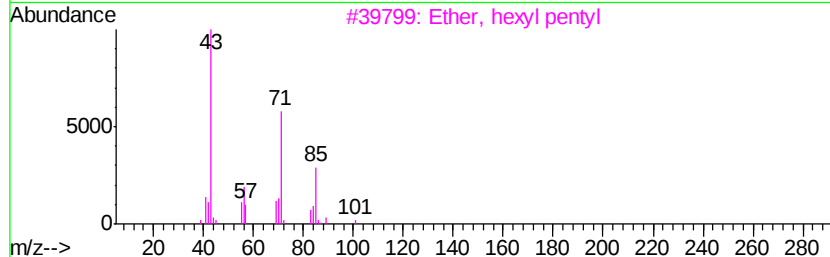
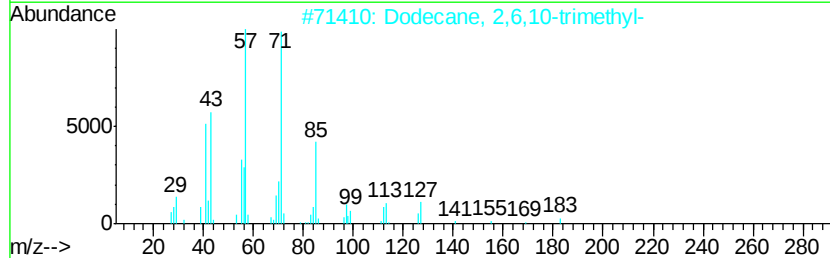
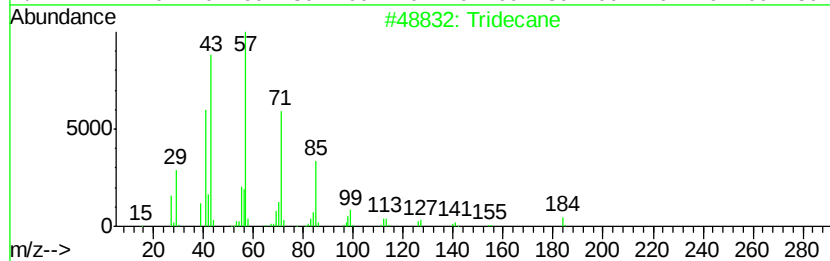
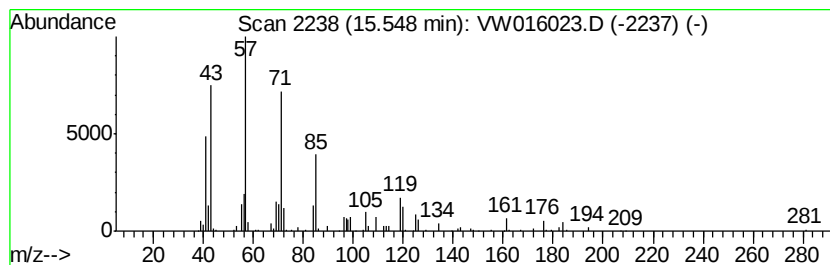
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Quant Title : VOC Analysis

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

Peak Number 61 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.55	12.22 ug/L	231902	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane	184	C13H28	000629-50-5	52
2		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	50
3		Ether, hexyl pentyl	172	C11H24O	032357-83-8	47
4		10-Methylnonadecane	282	C20H42	056862-62-5	47
5		Tridecane	184	C13H28	000629-50-5	46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW073120\
Data File : VW016023.D
Acq On : 31 Jul 2020 16:36
Operator : SY/VA
Sample : L3533-01
Misc : 5.18G/10ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CB7H4

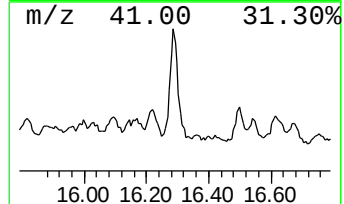
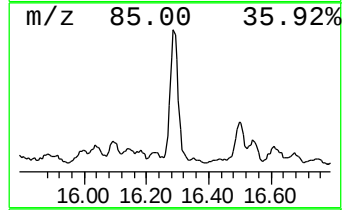
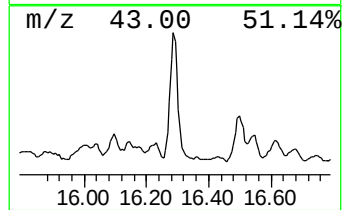
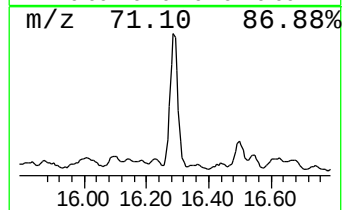
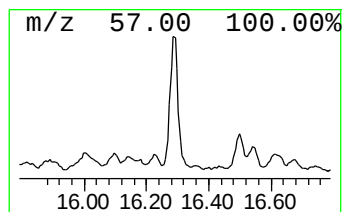
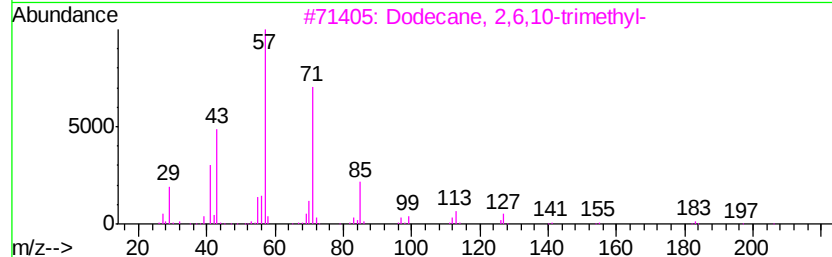
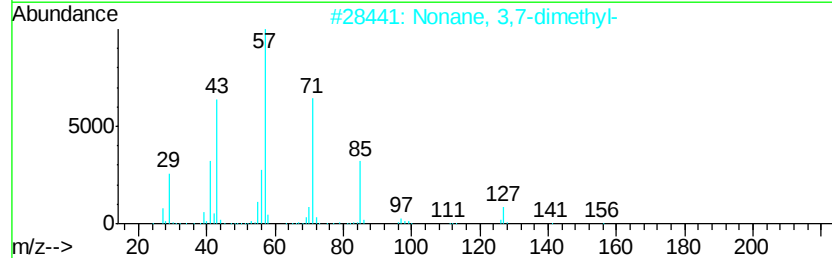
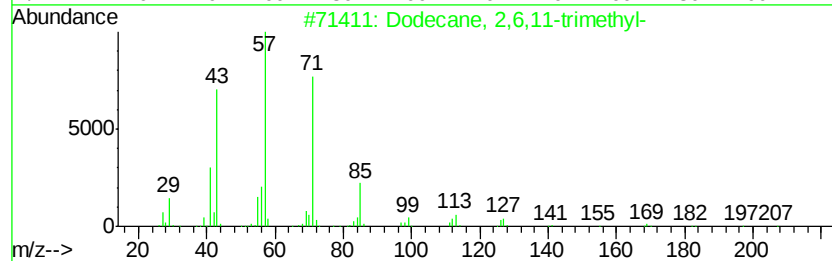
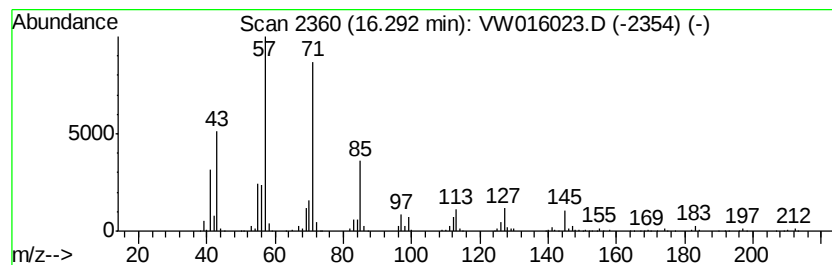
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis

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

Peak Number 66 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.29	20.91 ug/L	396781	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	90
2			Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	87
3			Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	80
4			Octane, 2-methyl-	128	C9H20	003221-61-2	74
5			Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW073120\
 Data File : VW016023.D
 Acq On : 31 Jul 2020 16:36
 Operator : SY/VA
 Sample : L3533-01
 Misc : 5.18G/10ML/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CB7H4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.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
Dimethyl sulfide	4.21	1.6	ug/L	53002	1	8.85	831042	25.0
(DEL) Alkane: Str...	5.44	1.8	ug/L	58091	1	8.85	831042	25.0
(DEL) Alkane: Str...	5.95	1.6	ug/L	54262	1	8.85	831042	25.0
(DEL) Alkane: Cyc...	6.99	1.5	ug/L	49144	1	8.85	831042	25.0
(DEL) Alkane: Str...	8.03	2.2	ug/L	71810	1	8.85	831042	25.0
(DEL) Alkane: Str...	8.16	2.6	ug/L	85777	1	8.85	831042	25.0
(DEL) Alkane: Cyc...	8.43	1.9	ug/L	64435	1	8.85	831042	25.0
(DEL) Alkane: Str...	8.49	3.9	ug/L	130212	1	8.85	831042	25.0
(DEL) Alkane: Cyc...	8.57	2.3	ug/L	77224	1	8.85	831042	25.0
(DEL) Alkane: Cyc...	9.61	1.9	ug/L	61363	1	8.85	831042	25.0
(DEL) Alkane: Str...	9.76	3.8	ug/L	125692	1	8.85	831042	25.0
(DEL) Alkane: Str...	9.90	4.4	ug/L	145869	1	8.85	831042	25.0
(DEL) Alkane: Cyc...	10.50	4.0	ug/L	136825	2	11.63	848980	25.0
(DEL) Alkane: Cyc...	10.66	4.6	ug/L	156559	2	11.63	848980	25.0
(DEL) Alkane: Cyc...	10.76	2.5	ug/L	85291	2	11.63	848980	25.0
(DEL) Alkane: Str...	11.04	1.7	ug/L	59103	2	11.63	848980	25.0
(DEL) Alkane: Cyc...	11.18	7.1	ug/L	241156	2	11.63	848980	25.0
(DEL) Alkane: Cyc...	11.23	6.6	ug/L	224436	2	11.63	848980	25.0
(DEL) Alkane: Str...	11.34	2.0	ug/L	68772	2	11.63	848980	25.0
(DEL) Alkane: Cyc...	11.44	6.1	ug/L	206435	2	11.63	848980	25.0
(DEL) Alkane: Str...	11.51	2.0	ug/L	69390	2	11.63	848980	25.0
Cyclohexene, 3-pro...	12.04	2.8	ug/L	95429	2	11.63	848980	25.0
(DEL) Alkane: Str...	12.26	4.1	ug/L	140391	2	11.63	848980	25.0
(DEL) Alkane: Cyc...	12.30	2.0	ug/L	66808	2	11.63	848980	25.0
Cyclooctene, 3-me...	12.34	9.6	ug/L	327198	2	11.63	848980	25.0
(DEL) Alkane: Cyc...	12.78	22.1	ug/L	419249	3	13.56	474389	25.0
unknown-01	12.87	11.6	ug/L	220865	3	13.56	474389	25.0
Oxalic acid, cycl...	12.94	29.2	ug/L	554597	3	13.56	474389	25.0
Ethanone, 1-(1-me...	12.99	4.1	ug/L	77942	3	13.56	474389	25.0
Bicyclo[2.2.1]hep...	13.05	8.2	ug/L	154878	3	13.56	474389	25.0
(DEL) Alkane: Str...	13.08	2.4	ug/L	46080	3	13.56	474389	25.0
(DEL) Alkane: Str...	13.17	16.6	ug/L	315950	3	13.56	474389	25.0
Benzene, 1,2,4-tr...	13.26	7.0	ug/L	131792	3	13.56	474389	25.0
(DEL) Alkane: Str...	13.29	3.1	ug/L	58830	3	13.56	474389	25.0
(DEL) Alkane: Str...	13.35	2.8	ug/L	52144	3	13.56	474389	25.0
Benzene, 1-methyl...	13.38	8.8	ug/L	167882	3	13.56	474389	25.0
o-Cymene	13.44	17.7	ug/L	335051	3	13.56	474389	25.0
Benzene, 1,2-diet...	13.72	13.4	ug/L	255301	3	13.56	474389	25.0
Indane	13.76	14.2	ug/L	268677	3	13.56	474389	25.0
3a,6-Methano-3aH-...	13.80	7.0	ug/L	132986	3	13.56	474389	25.0
Benzene, 2-ethyl-...	14.02	3.5	ug/L	66569	3	13.56	474389	25.0
Benzene, 1-ethyl-...	14.10	31.1	ug/L	589955	3	13.56	474389	25.0
Benzene, 1-methyl...	14.21	28.8	ug/L	545838	3	13.56	474389	25.0
Adamantane	14.27	11.6	ug/L	220400	3	13.56	474389	25.0
1H-Indene, 2,3-di...	14.34	14.1	ug/L	266679	3	13.56	474389	25.0
Cyclohexanone, 5-...	14.39	19.2	ug/L	364540	3	13.56	474389	25.0
Benzene, 1,2,3,5-...	14.42	24.1	ug/L	457321	3	13.56	474389	25.0
Benzene, 4-ethyl-...	14.46	6.5	ug/L	123598	3	13.56	474389	25.0
Benzene, (1,1-dim...	14.50	10.1	ug/L	192068	3	13.56	474389	25.0

trans-Decalin, 2-...	14.55	15.6 ug/L	296231	3	13.56	474389	25.0
Benzene, (1-methy...	14.69	5.7 ug/L	107969	3	13.56	474389	25.0
unknown-02	14.73	12.3 ug/L	233499	3	13.56	474389	25.0
Benzene, 1,2,4,5-...	14.80	47.4 ug/L	899597	3	13.56	474389	25.0
5-Chlorovaleric a...	14.85	25.2 ug/L	478726	3	13.56	474389	25.0
Benzene, 1-ethyl-...	15.07	15.4 ug/L	291667	3	13.56	474389	25.0
1H-Indene, 2,3-di...	15.11	7.7 ug/L	146214	3	13.56	474389	25.0
Benzene, (3-methy...	15.18	24.3 ug/L	460900	3	13.56	474389	25.0
(DEL) Alkane: Str...	15.33	32.5 ug/L	616302	3	13.56	474389	25.0
(DEL) Alkane: Str...	15.55	12.2 ug/L	231902	3	13.56	474389	25.0
(DEL) Alkane: Str...	16.29	20.9 ug/L	396781	3	13.56	474389	25.0

Instrument :
MSVOA_W
ClientSampleId :
CB7H4