

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
 Data File : VW016709.D
 Acq On : 30 Sep 2020 13:17
 Operator : SY/VA
 Sample : L4171-15
 Misc : 6.46G/10ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG3Y5

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\SOM2WLM091520S.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	4.976	476	504	564	rBV	16317085	74319004	65.76%	7.136%
2	5.458	564	583	648	rBV	25435652	113008580	100.00%	10.850%
3	5.946	649	663	665	rBV	33350550	72480157	64.14%	6.959%
4	6.726	775	791	808	rBV	4033060	16738002	14.81%	1.607%
5	6.885	808	817	826	rVV	3247298	11472748	10.15%	1.102%
6	6.994	826	835	855	rVV	7258313	24018066	21.25%	2.306%
7	7.171	855	864	892	rVB2	278396	1247479	1.10%	0.120%
8	7.964	979	994	1001	rBV3	576012	2071907	1.83%	0.199%
9	8.281	1034	1046	1062	rVB2	571759	1744484	1.54%	0.167%
10	8.848	1129	1139	1147	rBV	749919	1467714	1.30%	0.141%
11	9.079	1168	1177	1201	rVB	2124728	5185866	4.59%	0.498%
12	9.329	1201	1218	1225	rBV5	1978699	6738107	5.96%	0.647%
13	9.390	1225	1228	1237	rVB2	452680	859193	0.76%	0.082%
14	9.610	1254	1264	1274	rVV2	1209436	3158291	2.79%	0.303%
15	9.756	1281	1288	1302	rVB2	2013499	4567958	4.04%	0.439%
16	9.902	1302	1312	1316	rBV	2138902	4330796	3.83%	0.416%
17	9.963	1316	1322	1336	rVV2	15156488	35955822	31.82%	3.452%
18	10.104	1336	1345	1358	rVB	12422621	27727028	24.54%	2.662%
19	10.250	1358	1369	1375	rBV3	1585099	4891106	4.33%	0.470%
20	10.329	1375	1382	1386	rVV	22294943	46587000	41.22%	4.473%
21	10.366	1386	1388	1396	rVV	10052614	14988029	13.26%	1.439%
22	10.451	1396	1402	1405	rVV	1865159	3518025	3.11%	0.338%
23	10.512	1405	1412	1420	rVB2	30662478	59833394	52.95%	5.745%
24	10.628	1420	1431	1433	rBV3	1707168	3978667	3.52%	0.382%
25	10.677	1433	1439	1447	rVV	13987385	28516842	25.23%	2.738%
26	10.768	1447	1454	1464	rVV2	7672822	17970184	15.90%	1.725%
27	10.847	1464	1467	1473	rVV	2449067	4109918	3.64%	0.395%
28	10.939	1473	1482	1488	rVV	4796137	8871959	7.85%	0.852%
29	11.042	1488	1499	1506	rVV2	2911854	6961658	6.16%	0.668%
30	11.109	1506	1510	1513	rVV2	2117367	3661437	3.24%	0.352%
31	11.183	1513	1522	1527	rVV	12965118	27796639	24.60%	2.669%
32	11.237	1527	1531	1536	rVV	5957622	10881060	9.63%	1.045%
33	11.292	1536	1540	1543	rVV	1202321	2125376	1.88%	0.204%
34	11.341	1543	1548	1553	rVV2	2678864	4823878	4.27%	0.463%

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Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
 Title : VOC Analysis

35	11.414	1553	1560	1571	rVB3	2726861	8505210	7.53%	0.817%
36	11.518	1571	1577	1582	rBV	1745783	2829267	2.50%	0.272%
37	11.658	1590	1600	1606	rBV2	5304260	10256071	9.08%	0.985%
38	11.725	1606	1611	1615	rBV	1429022	2317998	2.05%	0.223%
39	11.847	1621	1631	1634	rBV	2013190	3775276	3.34%	0.362%
40	11.878	1634	1636	1640	rVV2	1027599	1383064	1.22%	0.133%
41	11.914	1640	1642	1648	rVB3	694420	1125139	1.00%	0.108%
42	12.048	1658	1664	1671	rVB4	355966	867864	0.77%	0.083%
43	12.140	1671	1679	1685	rBV3	930379	2113011	1.87%	0.203%
44	12.256	1693	1698	1702	rVB	1152637	1745695	1.54%	0.168%
45	12.341	1702	1712	1714	rBV3	842152	1964358	1.74%	0.189%
46	12.542	1742	1745	1747	rVV	999368	1293961	1.15%	0.124%
47	12.573	1747	1750	1754	rVB	1116171	1516334	1.34%	0.146%
48	12.652	1759	1763	1767	rVB	958932	1214602	1.07%	0.117%
49	12.786	1776	1785	1792	rVB3	1075289	2940522	2.60%	0.282%
50	12.865	1792	1798	1802	rBV4	1123659	2130073	1.88%	0.205%
51	12.932	1802	1809	1816	rBV2	6564073	11128590	9.85%	1.068%
52	12.993	1816	1819	1824	rVB4	798965	1232246	1.09%	0.118%
53	13.085	1829	1834	1837	rBV2	808552	1390155	1.23%	0.133%
54	13.170	1844	1848	1854	rVB	2917355	4248243	3.76%	0.408%
55	13.255	1857	1862	1866	rVB	1254924	1911634	1.69%	0.184%
56	13.347	1873	1877	1879	rBV2	898502	1367276	1.21%	0.131%
57	13.383	1880	1883	1887	rVB2	945292	1277282	1.13%	0.123%
58	13.444	1887	1893	1897	rBV2	3059823	5528642	4.89%	0.531%
59	13.499	1897	1902	1908	rVB3	3910495	7556288	6.69%	0.725%
60	13.560	1908	1912	1914	rBV2	2098574	3240774	2.87%	0.311%
61	13.627	1920	1923	1930	rVB2	2023161	2862895	2.53%	0.275%
62	13.725	1930	1939	1940	rBV2	3602371	6156826	5.45%	0.591%
63	13.749	1940	1943	1947	rVV	8656799	13553672	11.99%	1.301%
64	13.798	1947	1951	1959	rVV3	11464613	22665709	20.06%	2.176%
65	13.877	1959	1964	1969	rVV	8730741	12946752	11.46%	1.243%
66	13.950	1969	1976	1981	rVV	4323477	7305557	6.46%	0.701%
67	14.011	1981	1986	1989	rVV	7346837	12893680	11.41%	1.238%
68	14.042	1989	1991	1996	rVV	8873549	11563139	10.23%	1.110%
69	14.097	1996	2000	2005	rVB	14614992	22066725	19.53%	2.119%
70	14.206	2012	2018	2022	rBV3	4519541	7618821	6.74%	0.732%
71	14.261	2022	2027	2034	rVV6	1412766	3648157	3.23%	0.350%

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72	14.341	2034	2040	2045	rVV3	4364435	8806184	7.79%	0.846%
73	14.395	2045	2049	2050	rVV3	4479704	6611157	5.85%	0.635%
74	14.426	2050	2054	2057	rVV	11566675	20590898	18.22%	1.977%
75	14.462	2057	2060	2064	rVV	14735371	21255224	18.81%	2.041%
76	14.505	2064	2067	2070	rVV	5408866	7348171	6.50%	0.706%
77	14.548	2070	2074	2080	rVV3	2963108	5495561	4.86%	0.528%
78	14.603	2080	2083	2086	rVV	873665	1379666	1.22%	0.132%
79	14.645	2086	2090	2094	rVV	2229133	3276572	2.90%	0.315%
80	14.694	2094	2098	2100	rVV2	2171833	3631219	3.21%	0.349%
81	14.731	2100	2104	2109	rVB2	6630859	10589637	9.37%	1.017%
82	14.792	2109	2114	2120	rBV2	7871609	17213318	15.23%	1.653%
83	14.853	2120	2124	2130	rVB2	4660836	9674660	8.56%	0.929%
84	15.066	2154	2159	2170	rBV3	4351189	9732330	8.61%	0.934%
85	15.170	2172	2176	2185	rVV2	2905124	6237326	5.52%	0.599%
86	15.249	2185	2189	2197	rVB6	2079083	4994357	4.42%	0.480%
87	15.328	2197	2202	2211	rBV2	3587490	6241966	5.52%	0.599%
88	15.426	2213	2218	2221	rBV2	872601	1557742	1.38%	0.150%
89	15.474	2222	2226	2229	rBV2	1209241	1821473	1.61%	0.175%
90	15.560	2237	2240	2248	rVB5	1141762	2534357	2.24%	0.243%
91	15.657	2248	2256	2263	rBV4	2007658	5294830	4.69%	0.508%
92	15.737	2264	2269	2274	rVB5	1024546	1955912	1.73%	0.188%
93	15.865	2287	2290	2296	rVB	1362532	2247037	1.99%	0.216%
94	15.956	2301	2305	2309	rVB2	710928	1165237	1.03%	0.112%
95	16.011	2310	2314	2316	rBV3	636679	1063067	0.94%	0.102%
96	16.176	2332	2341	2345	rBV4	1197945	3288002	2.91%	0.316%
97	16.285	2355	2359	2366	rVB	817987	1495216	1.32%	0.144%
98	16.377	2368	2374	2380	rVV2	1527884	3495680	3.09%	0.336%
99	16.444	2380	2385	2396	rVB	1582430	3888230	3.44%	0.373%
100	16.645	2411	2418	2432	rVB8	1046844	3897027	3.45%	0.374%

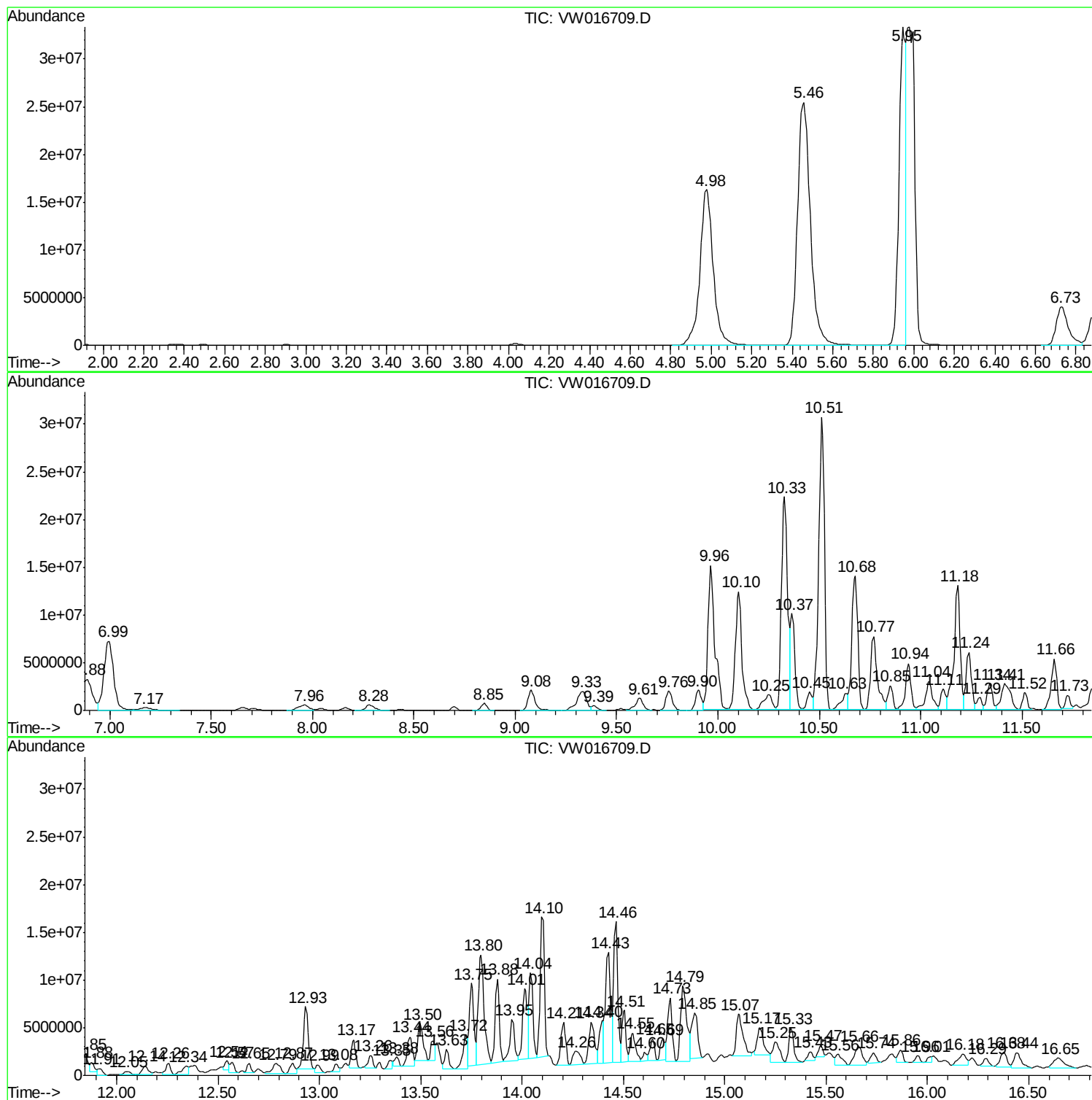
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ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
Quant Title : VOC Analysis

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



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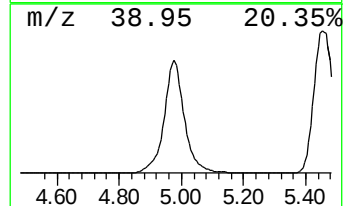
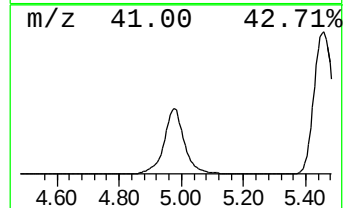
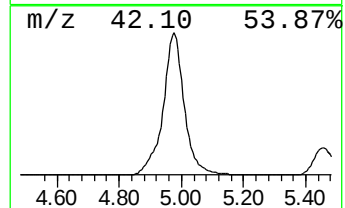
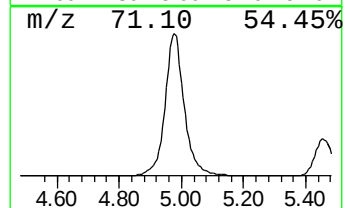
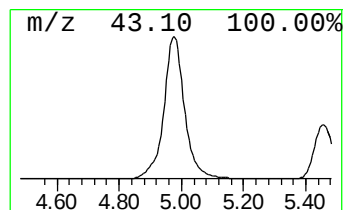
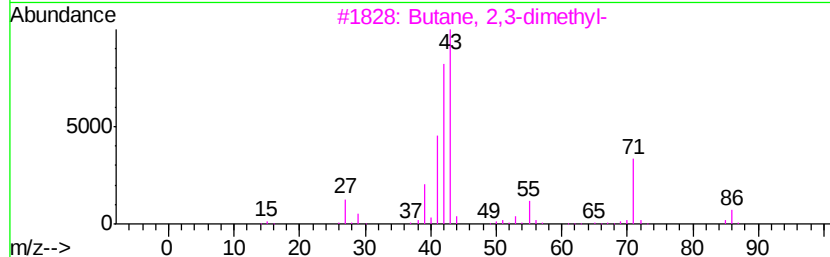
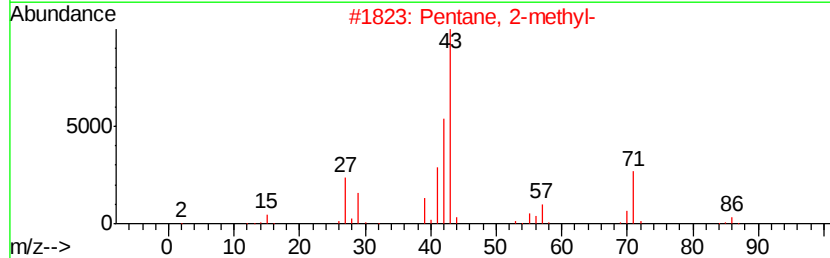
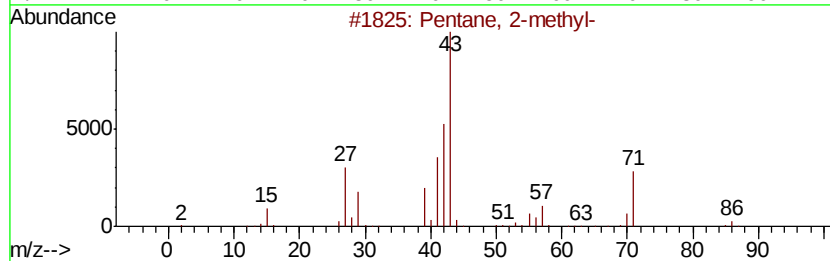
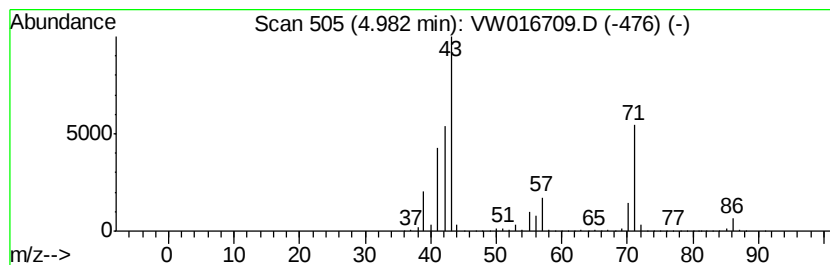
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
Quant Title : VOC Analysis

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

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.98	1265.90 ug/L	74319000	1,4-Difluorobenzene	8.85

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 2-methyl-	86	C6H14	000107-83-5	91
2			Pentane, 2-methyl-	86	C6H14	000107-83-5	91
3			Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	58
4			1-Butanol, 2,3-dimethyl-	102	C6H14O	019550-30-2	45
5			Pentane	72	C5H12	000109-66-0	43



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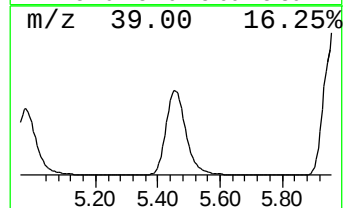
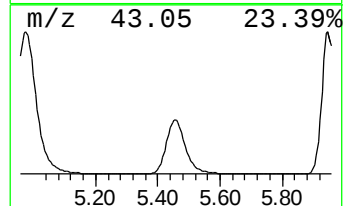
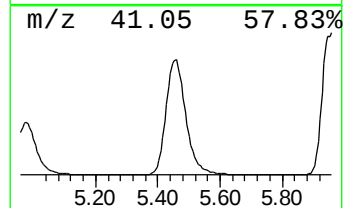
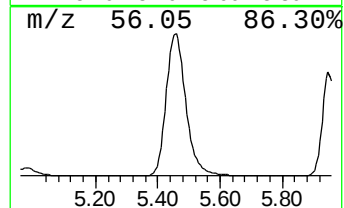
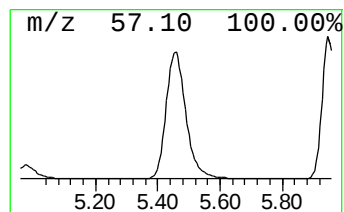
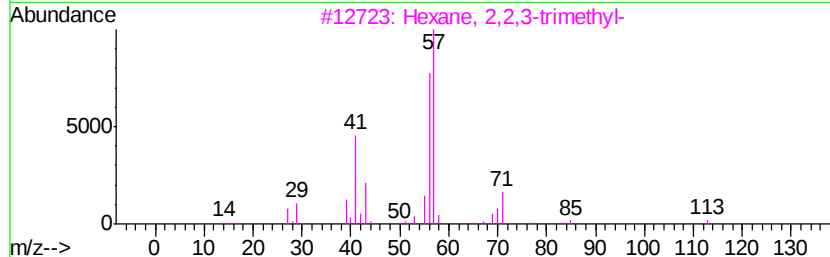
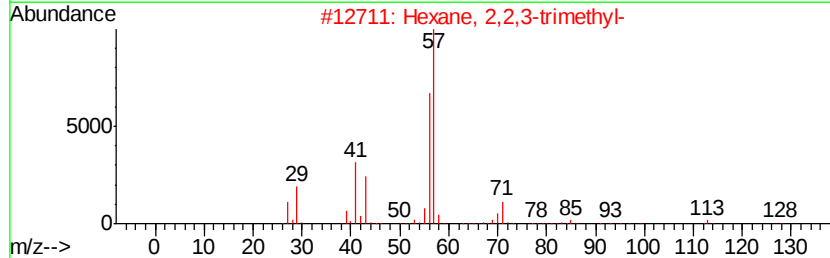
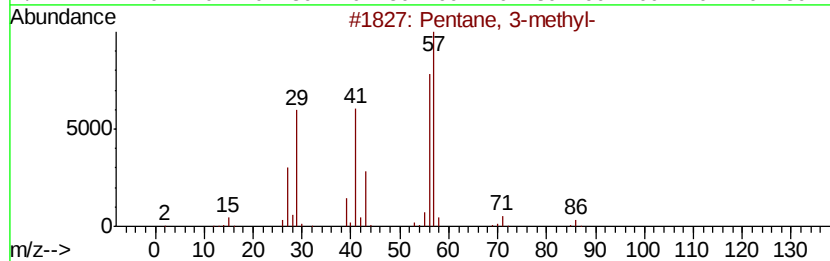
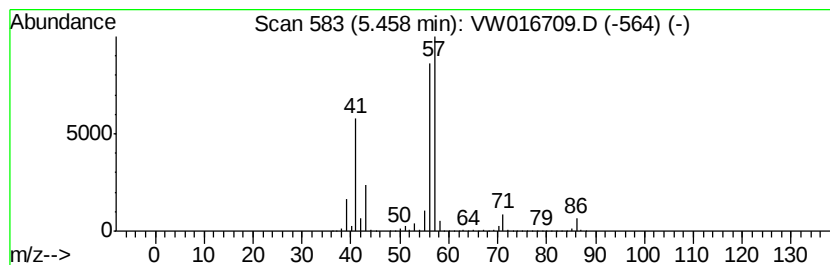
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
Quant Title : VOC Analysis

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

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.46	1924.91 ug/L	113009000	1,4-Difluorobenzene	8.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane, 3-methyl-	86	C6H14	000096-14-0	86
2		Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	78
3		Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	78
4		Butyl isocyanatoacetate	157	C7H11NO3	017046-22-9	64
5		Pentane, 3-methyl-	86	C6H14	000096-14-0	64



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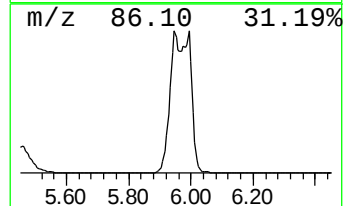
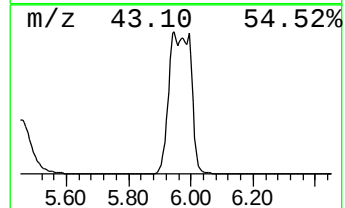
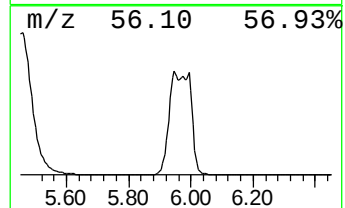
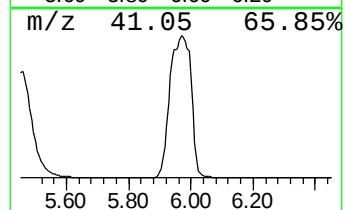
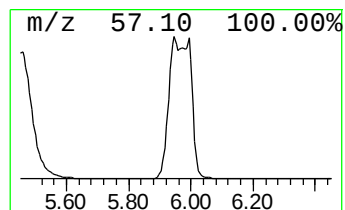
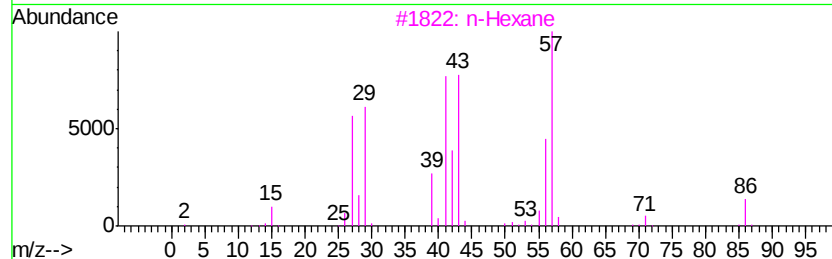
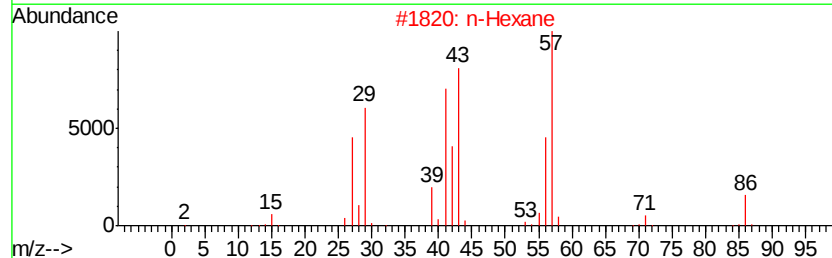
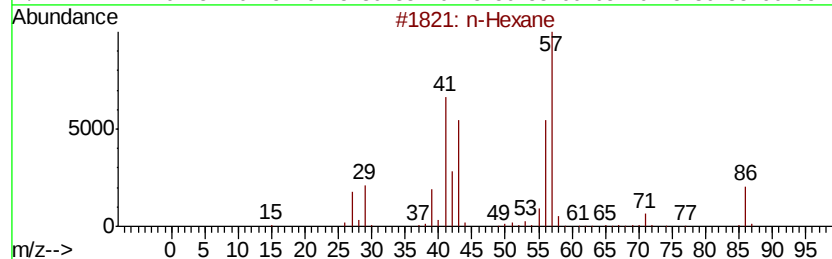
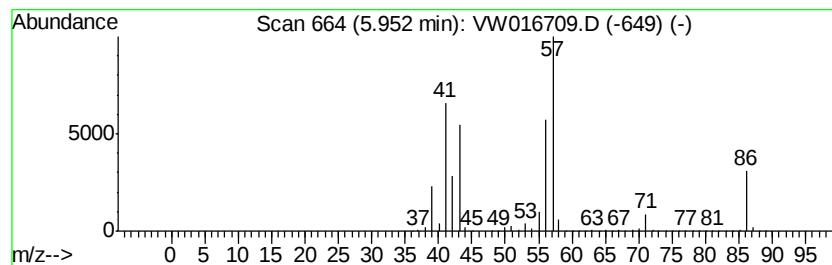
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Quant Title : VOC Analysis

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.95	1234.58 ug/L	72480200	1,4-Difluorobenzene	8.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	n-Hexane	86	C6H14	000110-54-3	91
2		n-Hexane	86	C6H14	000110-54-3	64
3		n-Hexane	86	C6H14	000110-54-3	64
4		Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	40
5		Pentane, 3-methyl-	86	C6H14	000096-14-0	40



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
Data File : VW016709.D
Acq On : 30 Sep 2020 13:17
Operator : SY/VA
Sample : L4171-15
Misc : 6.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3Y5

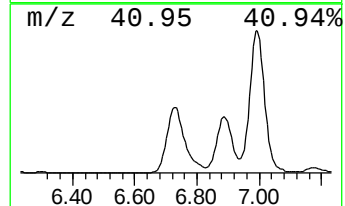
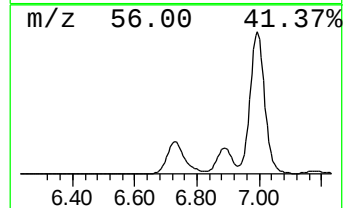
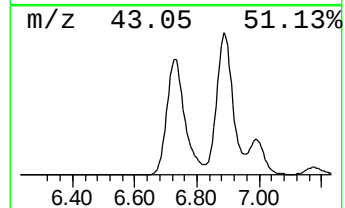
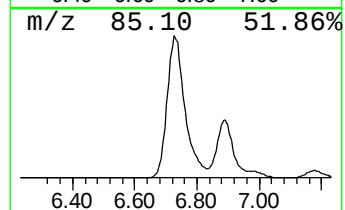
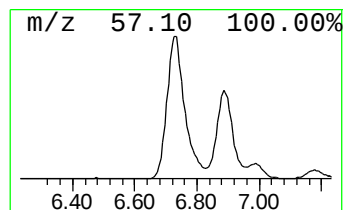
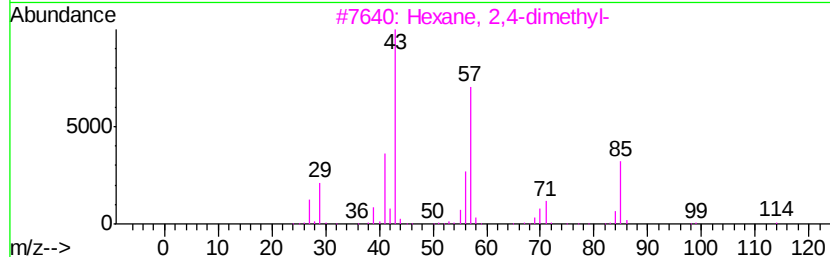
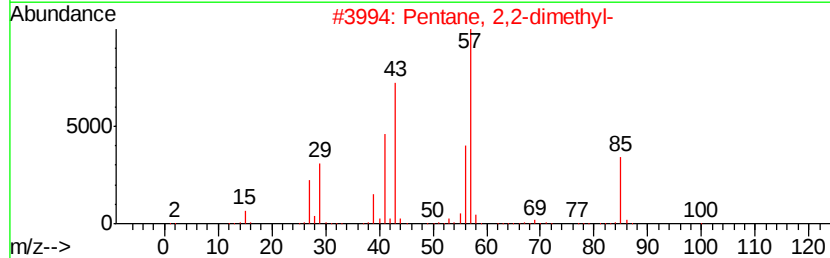
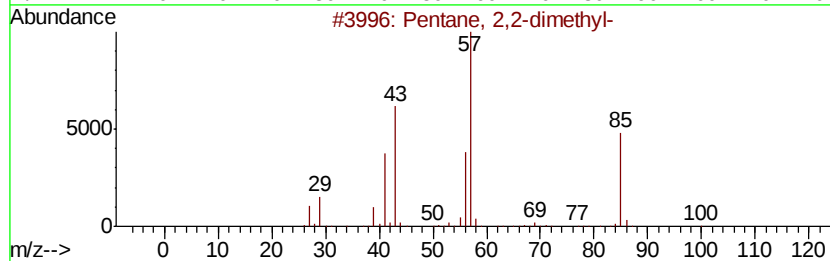
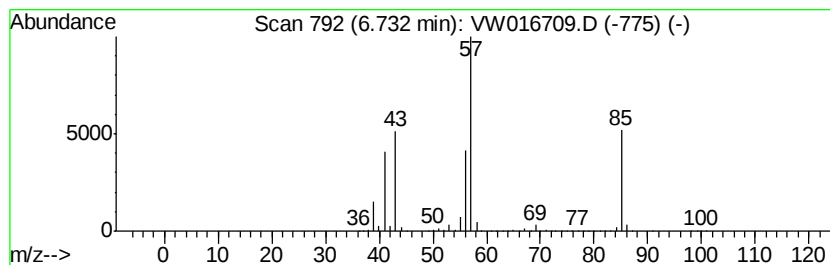
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Quant Title : VOC Analysis

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

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.73	285.10 ug/L	16738000	1,4-Difluorobenzene	8.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	83
2		Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	74
3		Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	72
4		Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	64
5		Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
Data File : VW016709.D
Acq On : 30 Sep 2020 13:17
Operator : SY/VA
Sample : L4171-15
Misc : 6.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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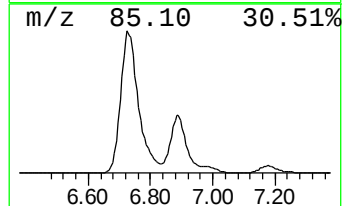
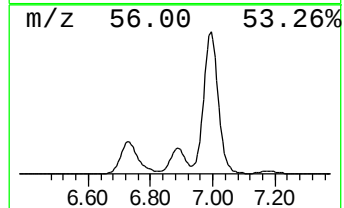
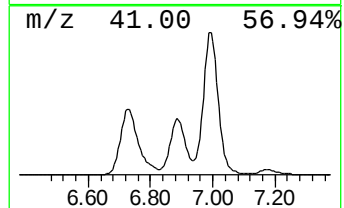
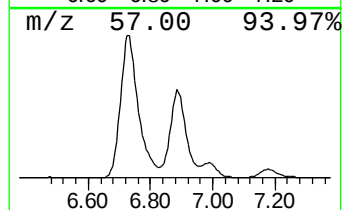
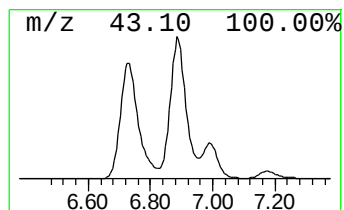
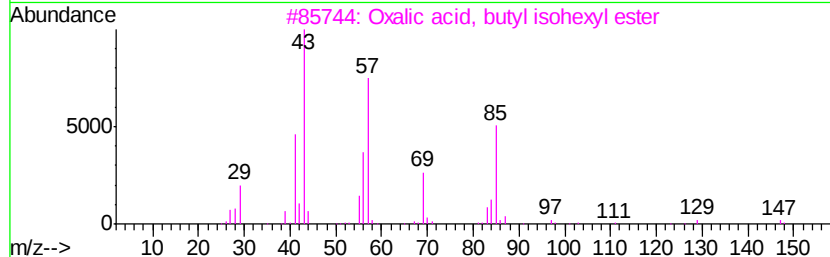
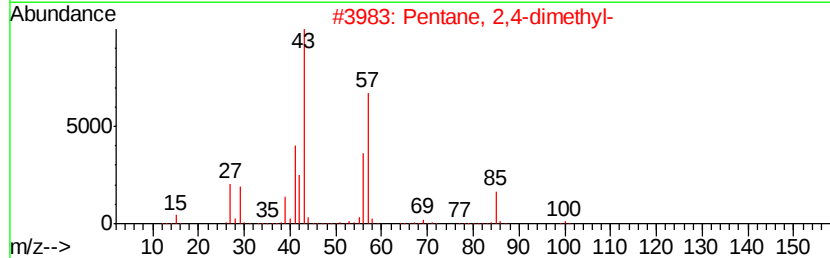
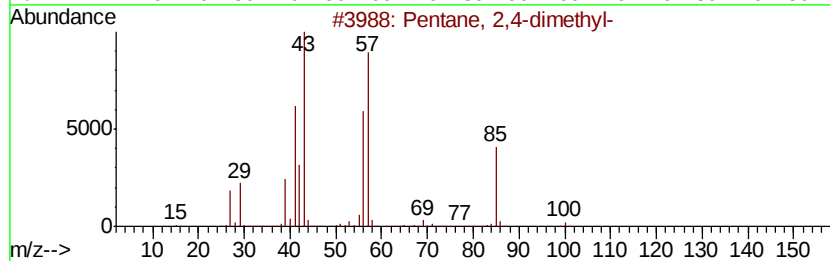
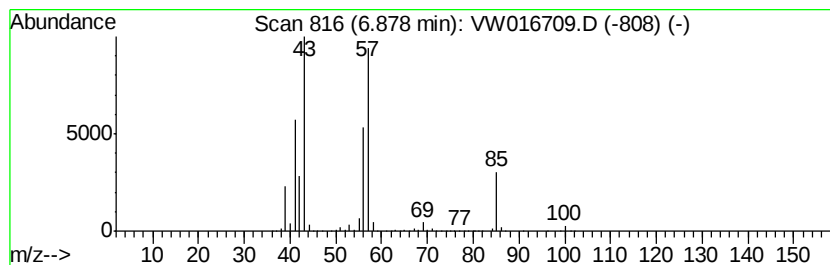
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Quant Title : VOC Analysis

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

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.88	195.42 ug/L	11472700	1,4-Difluorobenzene	8.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	94
2		Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	91
3		Oxalic acid, butyl isohexyl ester	230	C12H22O4	1000309-32-7	59
4		Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	59
5		Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
Data File : VW016709.D
Acq On : 30 Sep 2020 13:17
Operator : SY/VA
Sample : L4171-15
Misc : 6.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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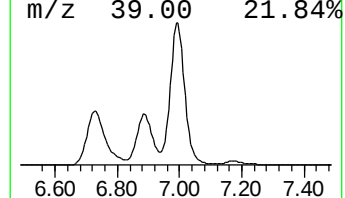
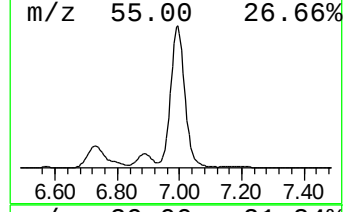
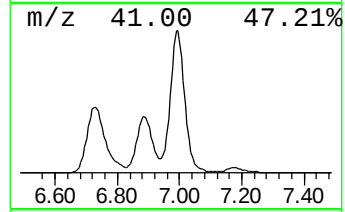
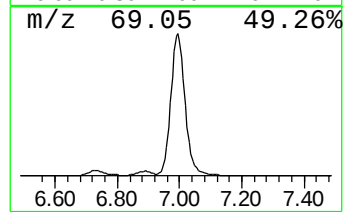
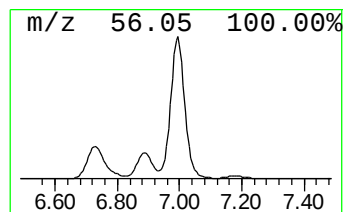
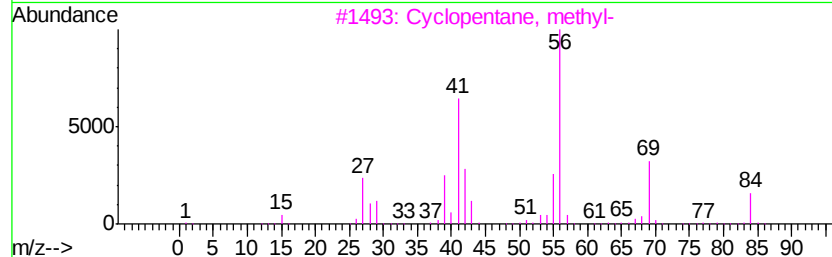
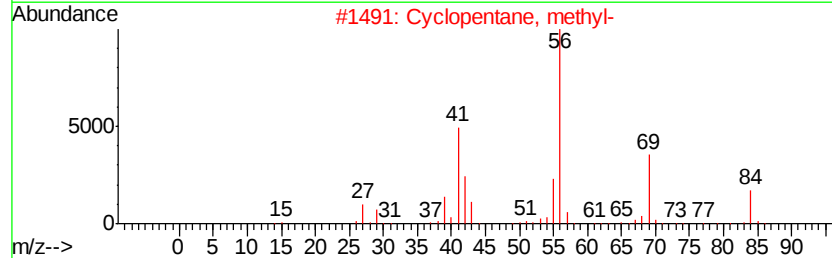
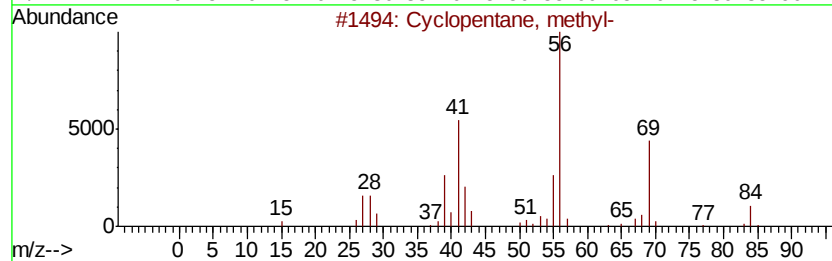
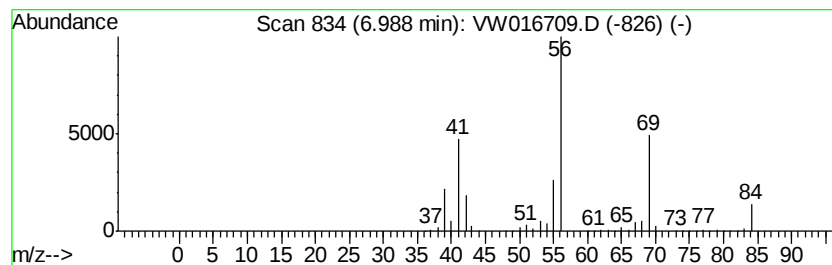
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Quant Title : VOC Analysis

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

Peak Number 6 (DEL) Alkane: Cyclic6.99 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.99	409.11 ug/L	24018100	1,4-Difluorobenzene	8.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2		Cyclopentane, methyl-	84	C6H12	000096-37-7	78
3		Cyclopentane, methyl-	84	C6H12	000096-37-7	72
4		Cyclobutane, ethyl-	84	C6H12	004806-61-5	72
5		1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
Data File : VW016709.D
Acq On : 30 Sep 2020 13:17
Operator : SY/VA
Sample : L4171-15
Misc : 6.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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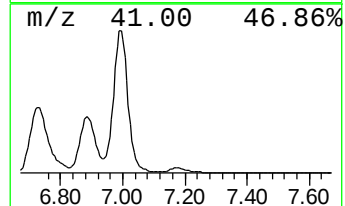
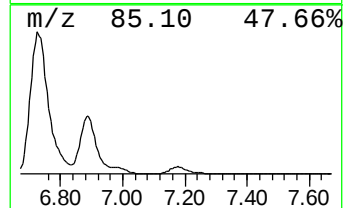
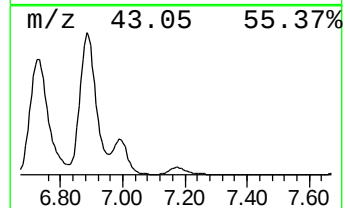
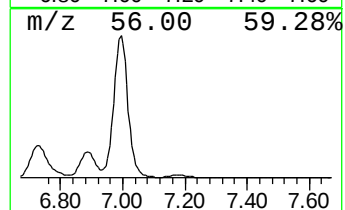
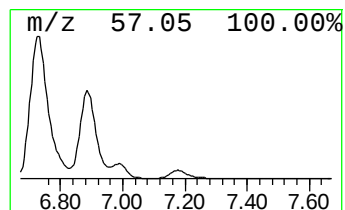
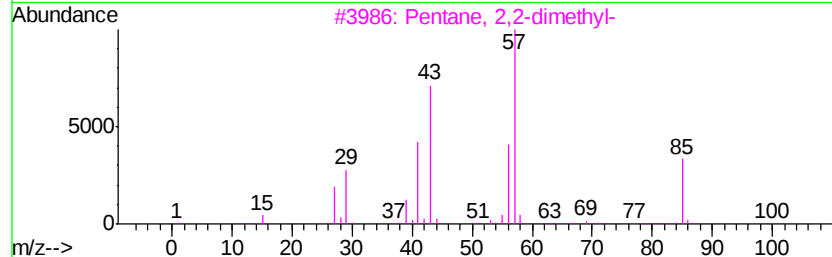
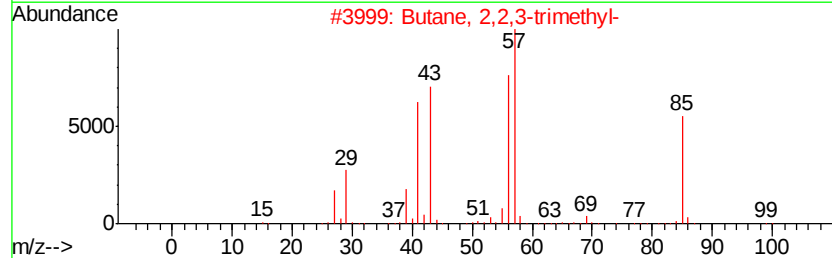
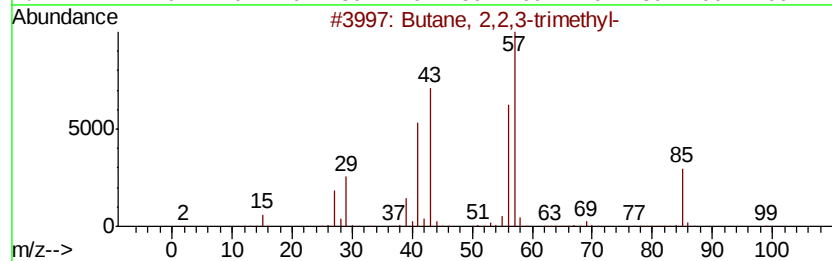
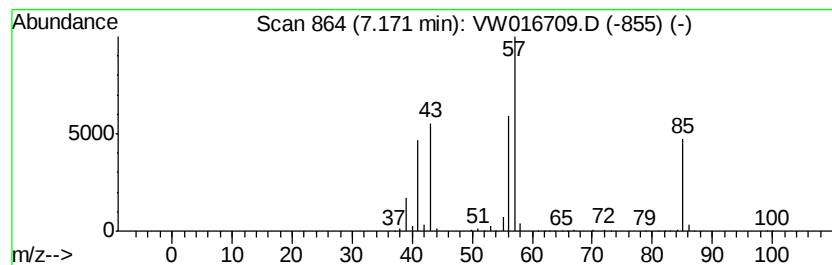
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Quant Title : VOC Analysis

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

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.17	21.25 ug/L	1247480	1,4-Difluorobenzene	8.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	78
2		Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	78
3		Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	78
4		Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	74
5		Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
Data File : VW016709.D
Acq On : 30 Sep 2020 13:17
Operator : SY/VA
Sample : L4171-15
Misc : 6.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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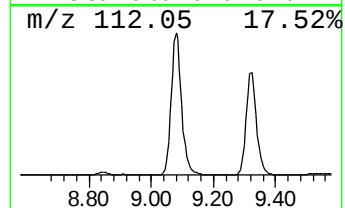
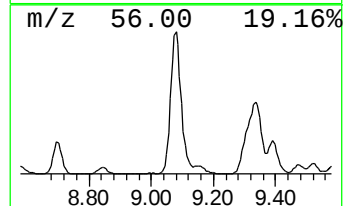
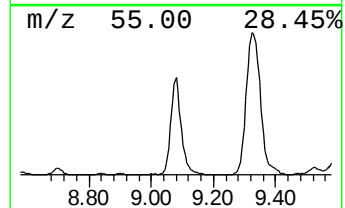
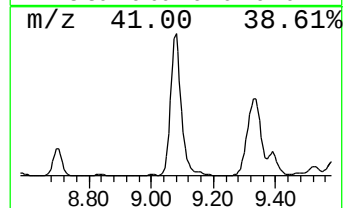
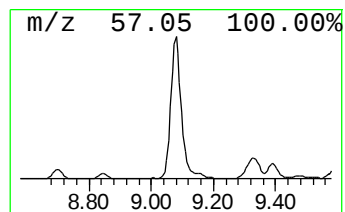
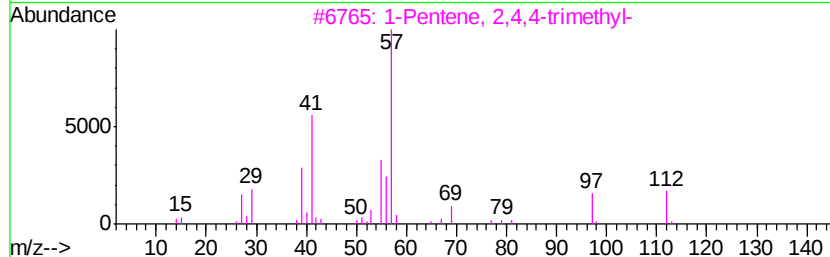
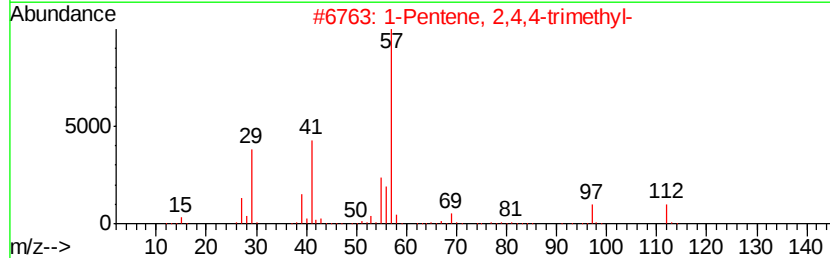
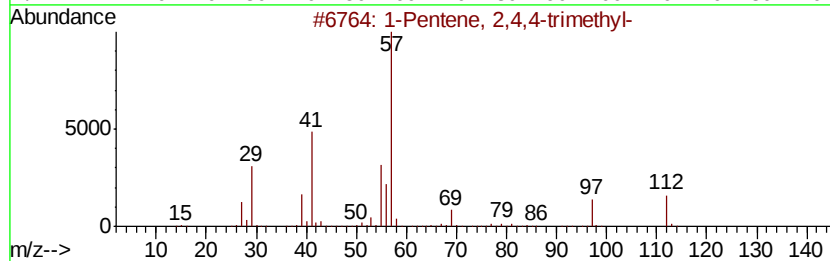
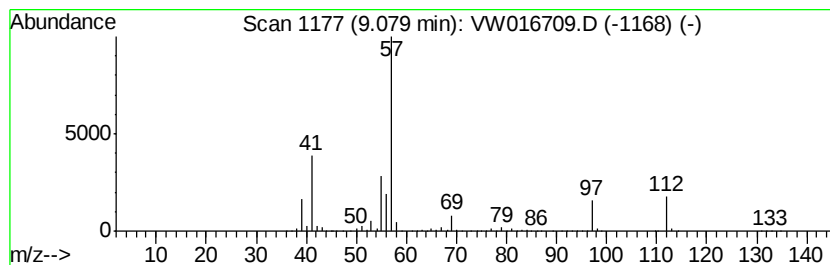
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Quant Title : VOC Analysis

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

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.08	88.33 ug/L	5185870	1,4-Difluorobenzene	8.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	91
2		1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	91
3		1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	83
4		1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	72
5		2-Hexene, 5,5-dimethyl-, (Z)-	112	C8H16	039761-61-0	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
Data File : VW016709.D
Acq On : 30 Sep 2020 13:17
Operator : SY/VA
Sample : L4171-15
Misc : 6.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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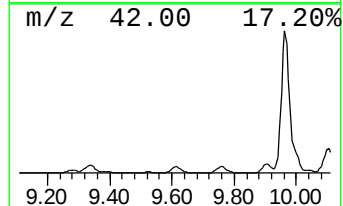
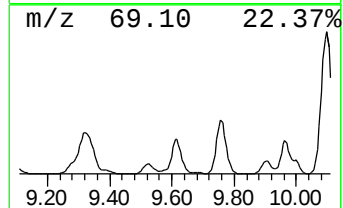
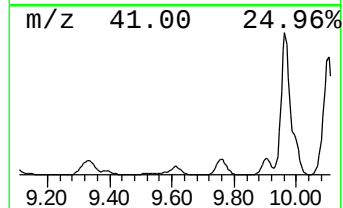
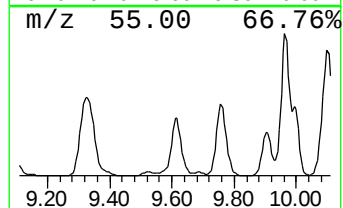
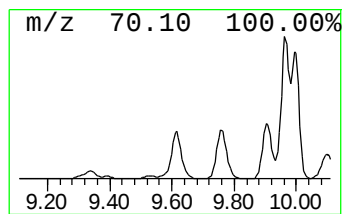
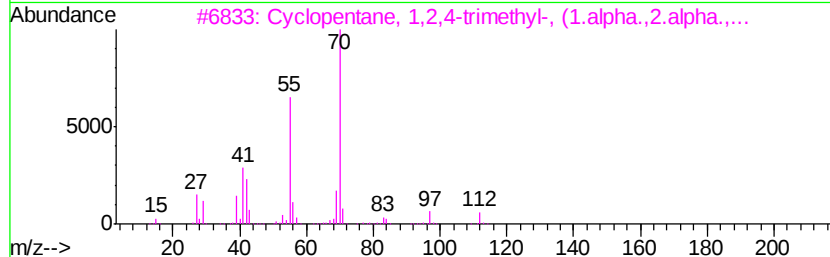
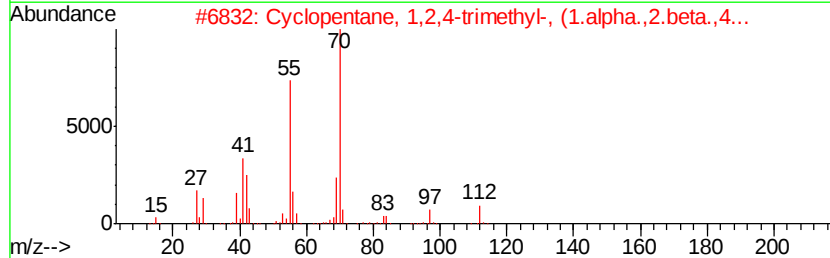
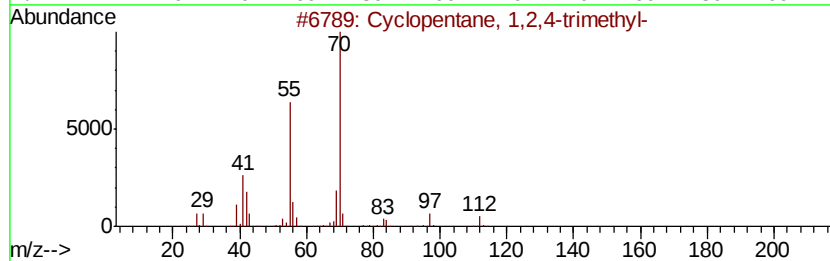
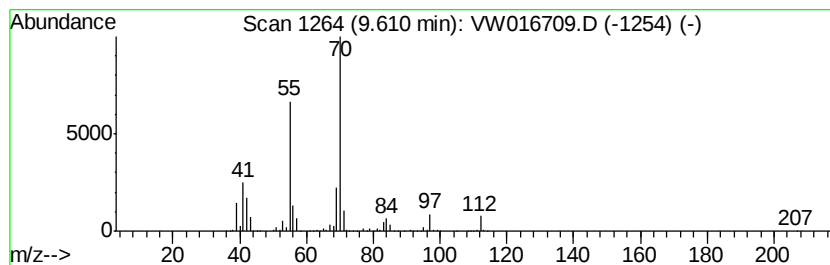
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Quant Title : VOC Analysis

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

Peak Number 9 (DEL) Alkane: Cyclic9.61 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.61	53.80 ug/L	3158290	1,4-Difluorobenzene	8.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	94
2		Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	90
3		Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	83
4		Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	80
5		Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
Data File : VW016709.D
Acq On : 30 Sep 2020 13:17
Operator : SY/VA
Sample : L4171-15
Misc : 6.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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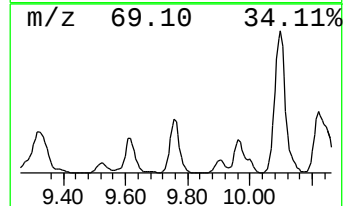
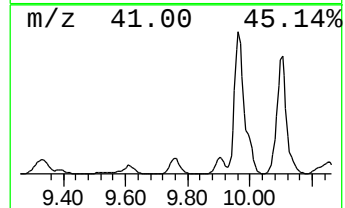
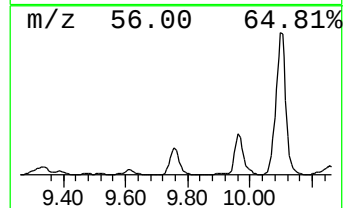
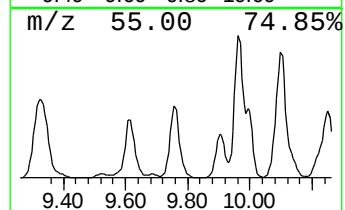
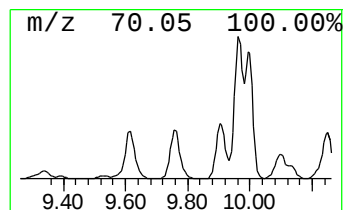
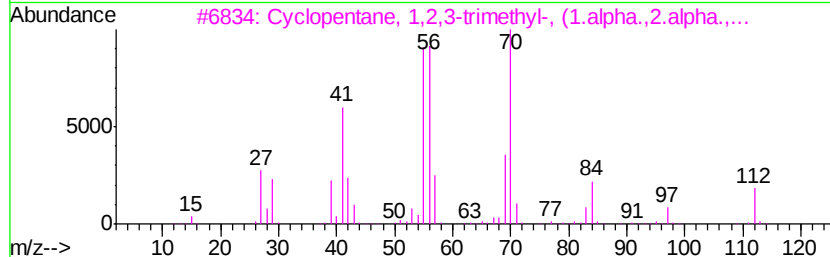
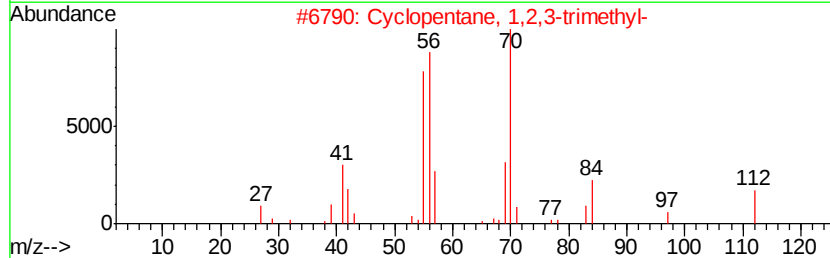
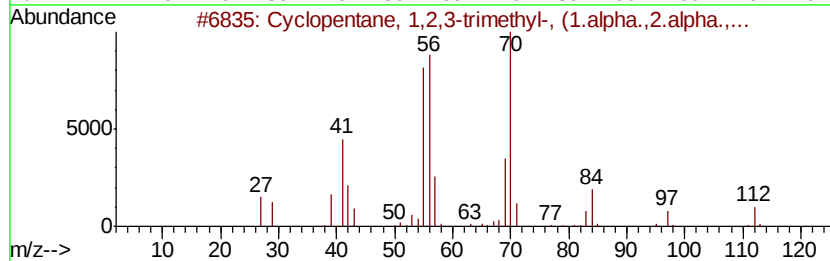
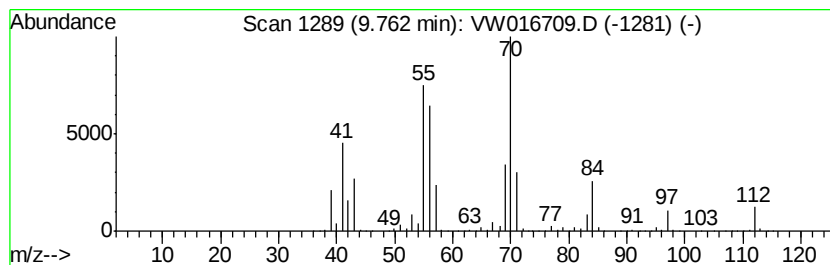
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Quant Title : VOC Analysis

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

Peak Number 10 (DEL) Alkane: Cyclic9.76 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.76	77.81 ug/L	4567960	1,4-Difluorobenzene	8.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	93
2		Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	87
3		Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	87
4		Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	53
5		Heptane, 3-methylene-	112	C8H16	001632-16-2	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
Data File : VW016709.D
Acq On : 30 Sep 2020 13:17
Operator : SY/VA
Sample : L4171-15
Misc : 6.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3Y5

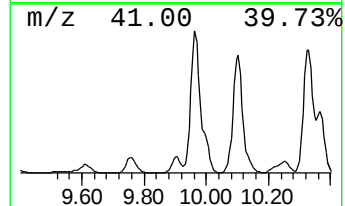
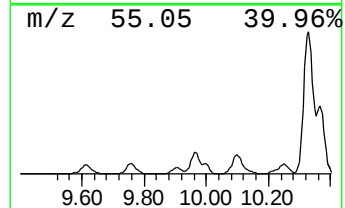
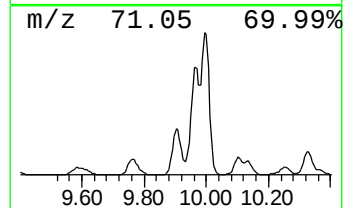
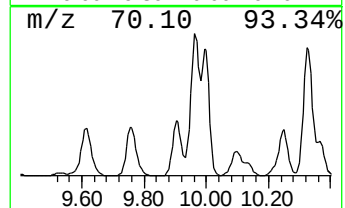
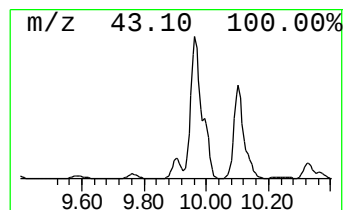
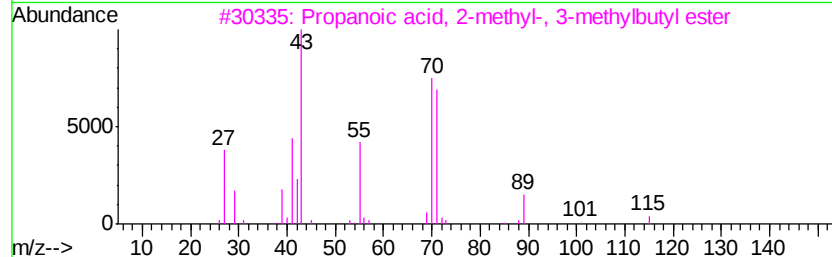
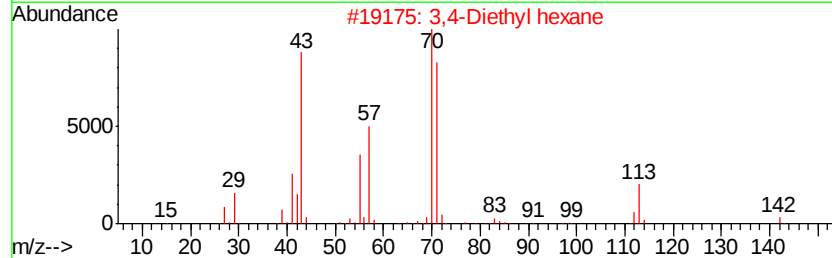
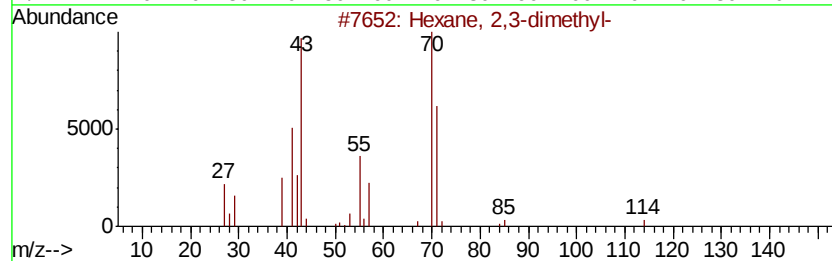
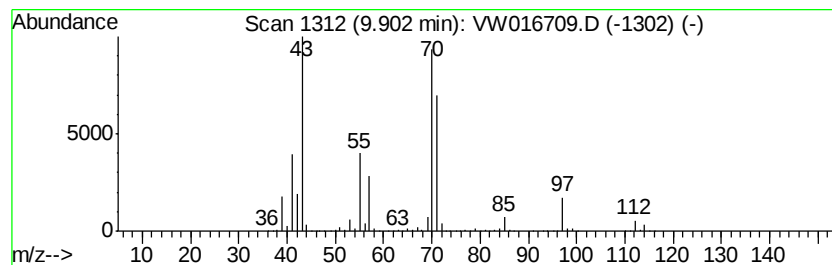
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Quant Title : VOC Analysis

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

Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.90	73.77 ug/L	4330800	1,4-Difluorobenzene	8.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	83
2		3,4-Diethyl hexane	142	C10H22	019398-77-7	78
3		Propanoic acid, 2-methyl-, 3-met...	158	C9H18O2	002050-01-3	72
4		Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	72
5		Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
Data File : VW016709.D
Acq On : 30 Sep 2020 13:17
Operator : SY/VA
Sample : L4171-15
Misc : 6.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
BG3Y5

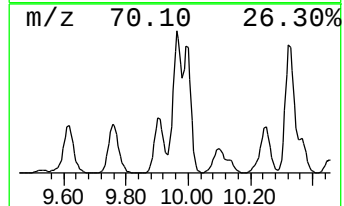
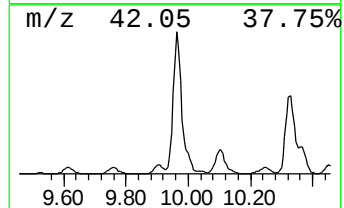
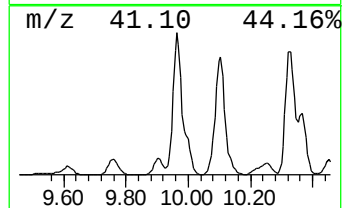
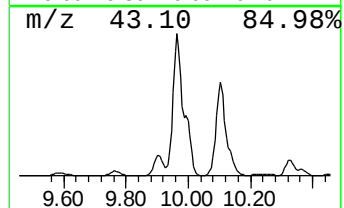
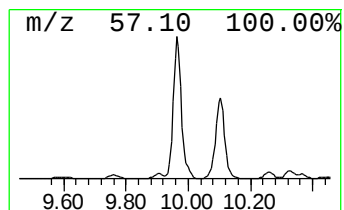
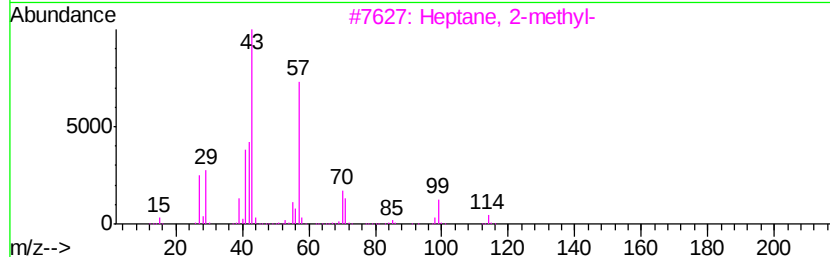
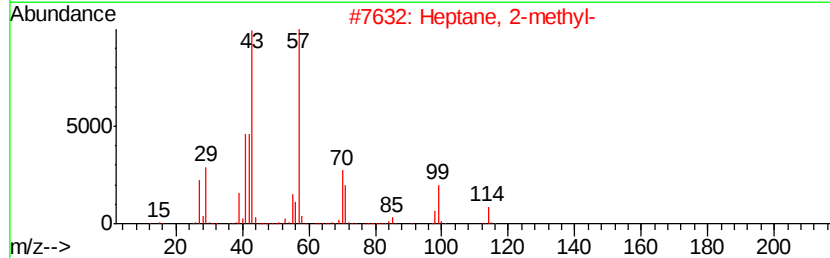
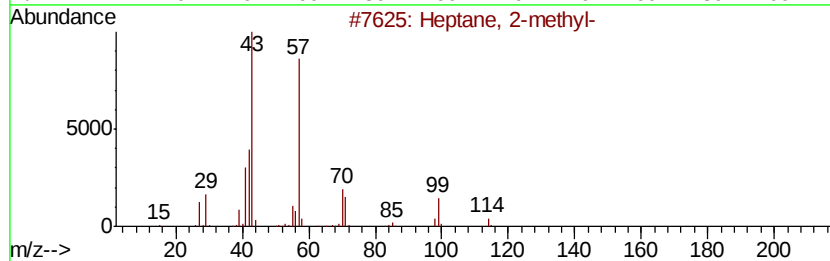
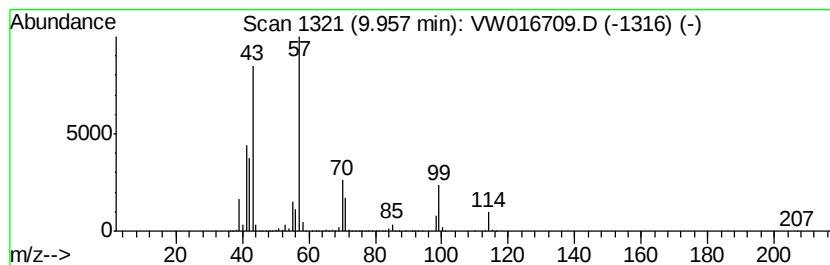
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Quant Title : VOC Analysis

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

Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.96	612.45 ug/L	35955800	1,4-Difluorobenzene	8.85

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 2-methyl-	114	C8H18	000592-27-8	94
2			Heptane, 2-methyl-	114	C8H18	000592-27-8	93
3			Heptane, 2-methyl-	114	C8H18	000592-27-8	91
4			Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	56
5			Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
Data File : VW016709.D
Acq On : 30 Sep 2020 13:17
Operator : SY/VA
Sample : L4171-15
Misc : 6.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

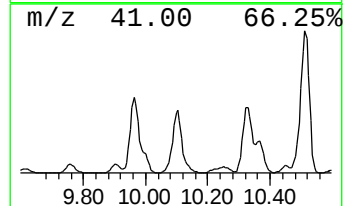
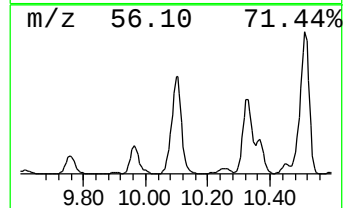
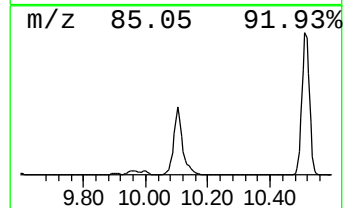
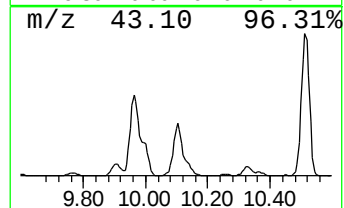
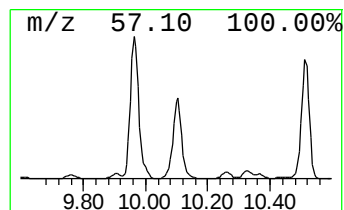
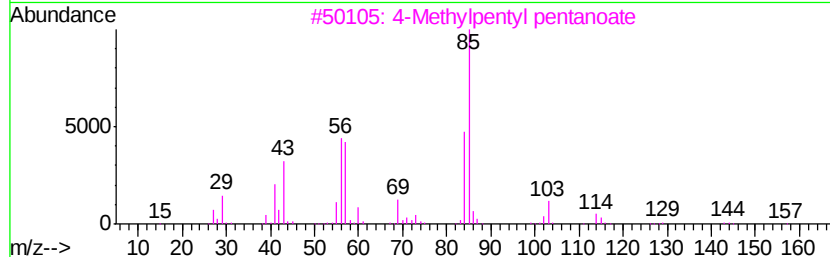
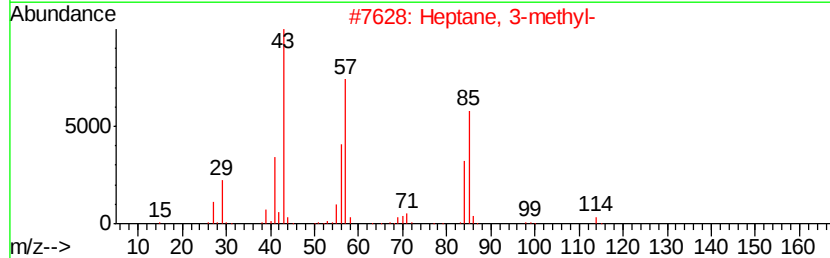
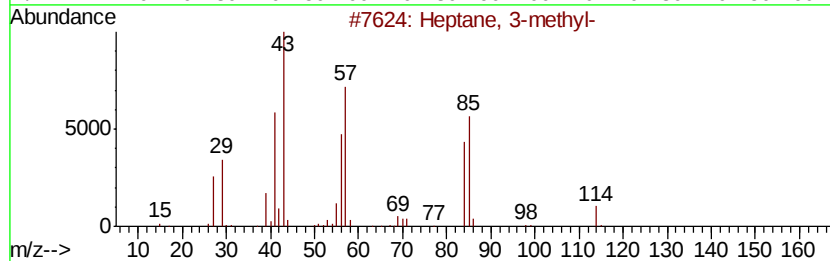
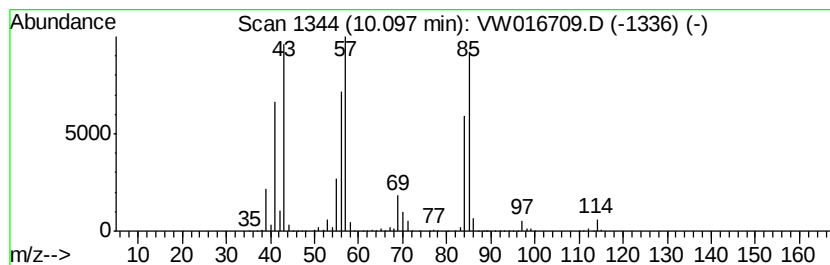
Instrument :
MSVOA_W
ClientSampleId :
BG3Y5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
Quant Title : VOC Analysis

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

Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.10	472.28 ug/L	27727000	1,4-Difluorobenzene	8.85	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	91
2	Heptane, 3-methyl-	114	C8H18	000589-81-1	91
3	4-Methylpentyl pentanoate	186	C11H22O2	035852-47-2	72
4	Hexane, 1,1'-oxybis-	186	C12H26O	000112-58-3	64
5	Butanoic acid, 2-methyl-, 2-meth...	186	C11H22O2	083783-88-4	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
Data File : VW016709.D
Acq On : 30 Sep 2020 13:17
Operator : SY/VA
Sample : L4171-15
Misc : 6.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

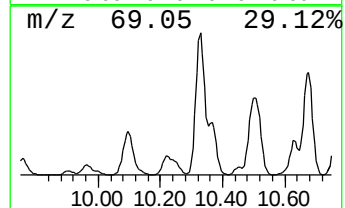
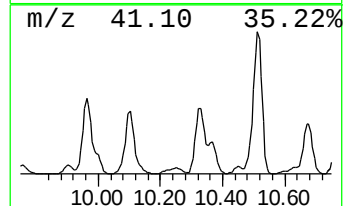
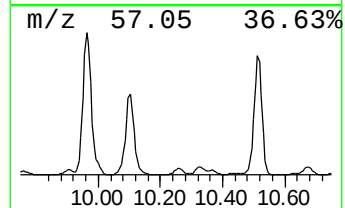
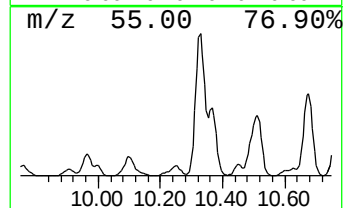
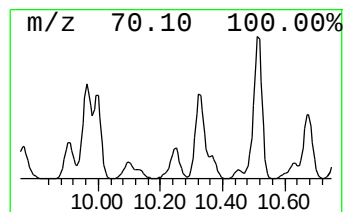
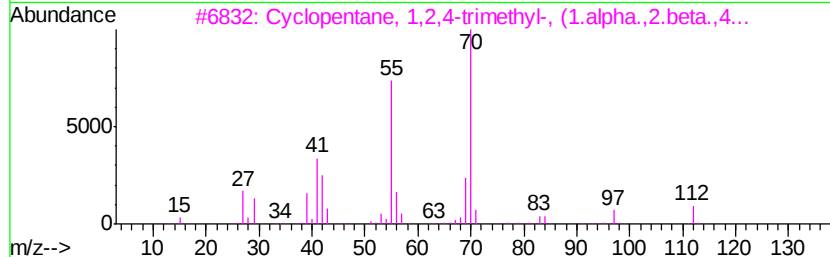
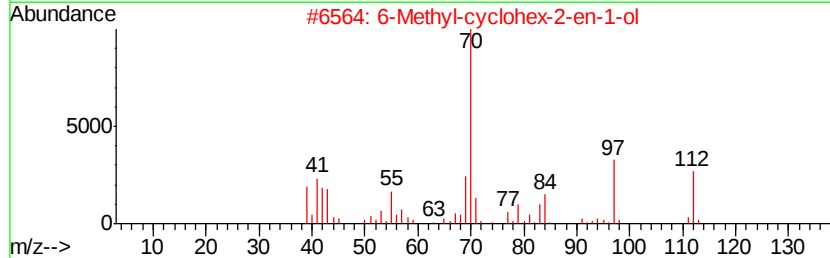
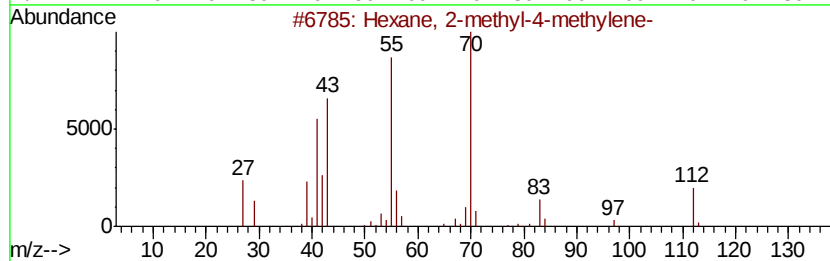
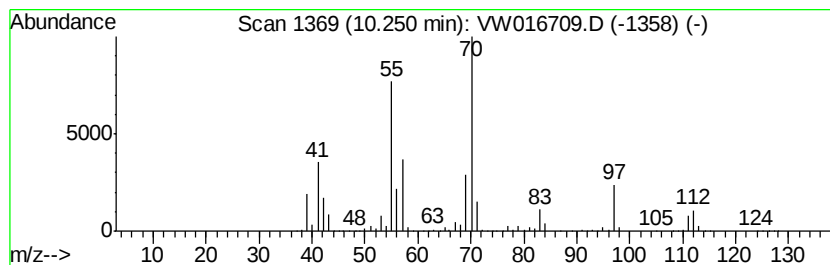
Instrument :
MSVOA_W
ClientSampled :
BG3Y5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
Quant Title : VOC Analysis

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

Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.25	11.92 ug/L	4891110	Chlorobenzene-d5	11.63	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2-methyl-4-methylene-	112	C8H16	003404-80-6	64
2	6-Methyl-cyclohex-2-en-1-ol	112	C7H12O	1000144-17-3	64
3	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	64
4	Heptane, 3-methylene-	112	C8H16	001632-16-2	64
5	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
Data File : VW016709.D
Acq On : 30 Sep 2020 13:17
Operator : SY/VA
Sample : L4171-15
Misc : 6.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

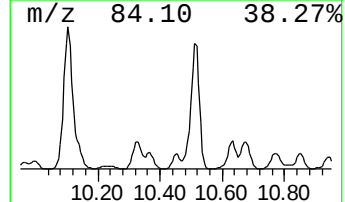
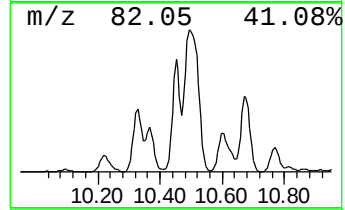
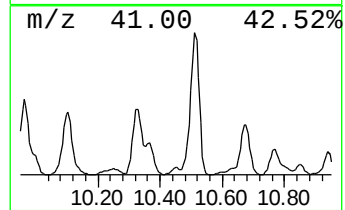
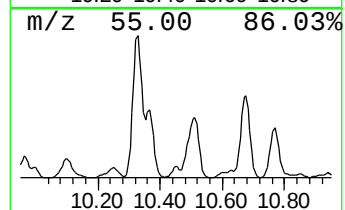
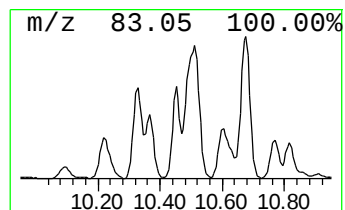
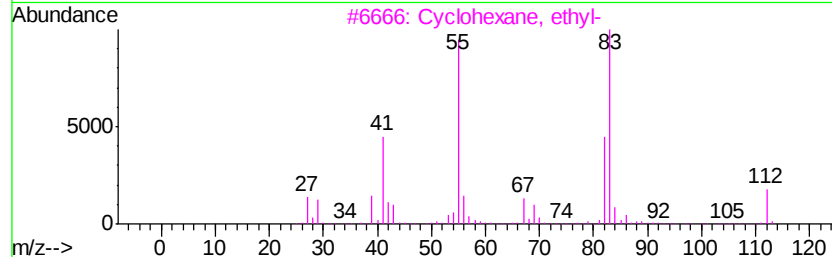
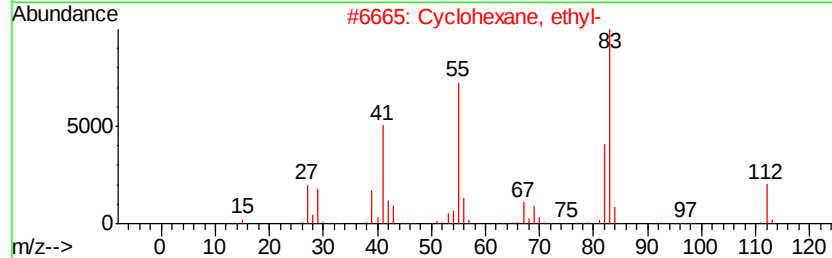
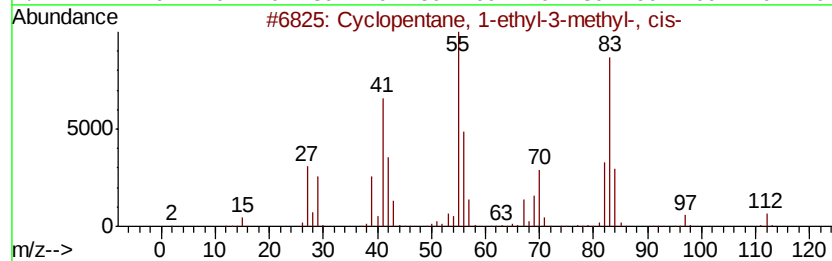
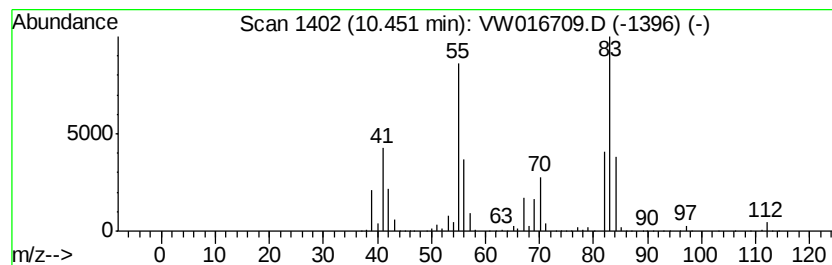
Instrument :
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ClientSampleId :
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
Quant Title : VOC Analysis

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

Peak Number 15 (DEL) Alkane: Cyclic10.45 Concentration Rank 71

R.T.	EstConc	Area	Relative to ISTD	R.T.		
10.45	8.58 ug/L	3518030	Chlorobenzene-d5	11.63		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cvclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-66-3	64
2		Cvclohexane, ethyl-	112	C8H16	001678-91-7	53
3		Cvclohexane, ethyl-	112	C8H16	001678-91-7	53
4		Cvclopentane, 1-ethyl-3-methyl-	112	C8H16	003726-47-4	49
5		Cvclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
Data File : VW016709.D
Acq On : 30 Sep 2020 13:17
Operator : SY/VA
Sample : L4171-15
Misc : 6.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3Y5

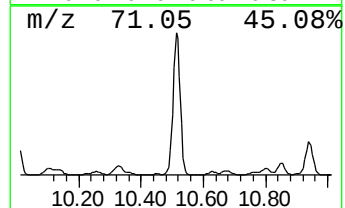
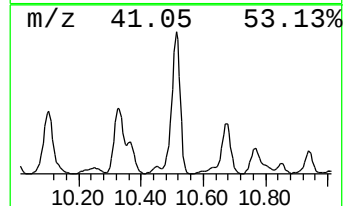
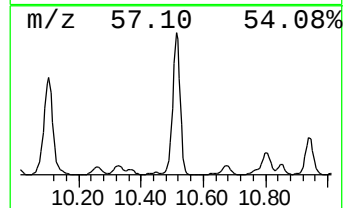
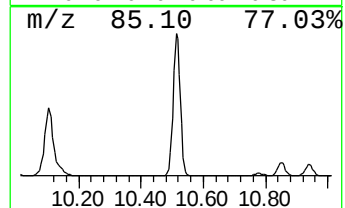
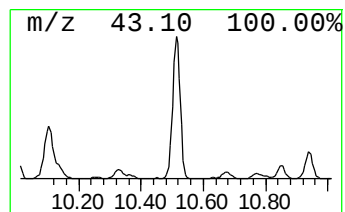
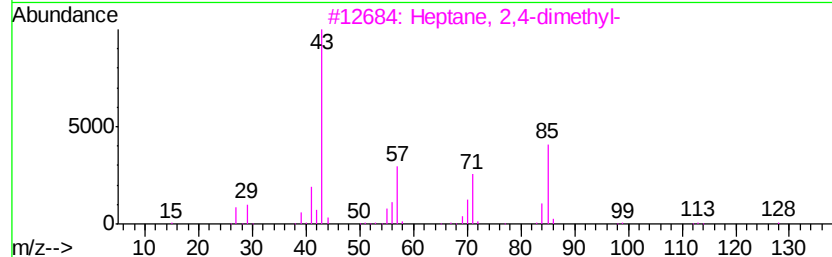
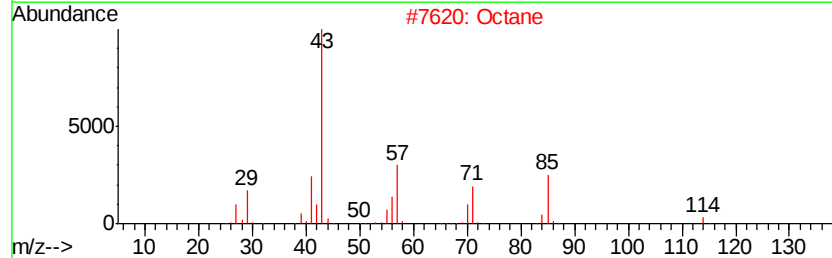
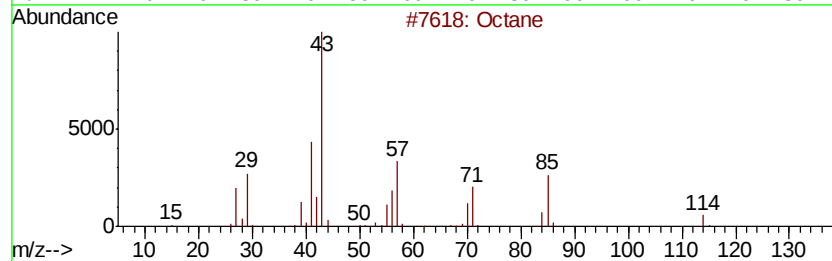
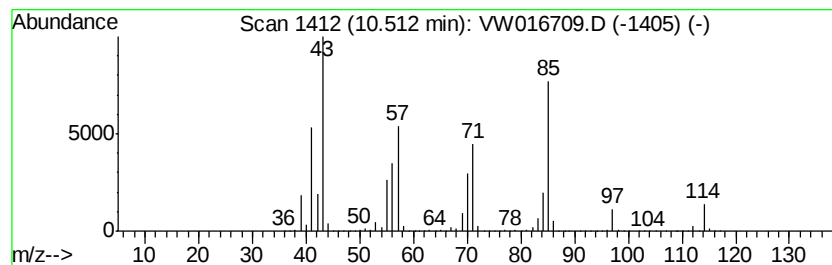
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Quant Title : VOC Analysis

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

Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.51	145.85 ug/L	59833400	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane	114	C8H18	000111-65-9	90
2		Octane	114	C8H18	000111-65-9	87
3		Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	78
4		Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	72
5		Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
Data File : VW016709.D
Acq On : 30 Sep 2020 13:17
Operator : SY/VA
Sample : L4171-15
Misc : 6.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3Y5

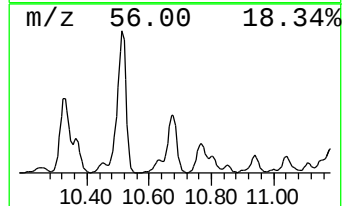
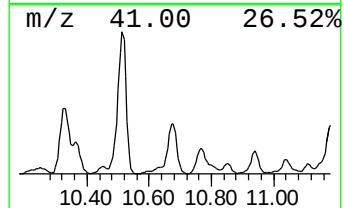
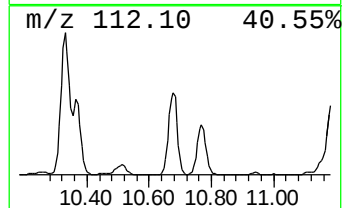
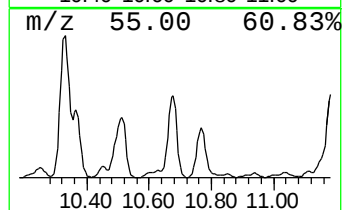
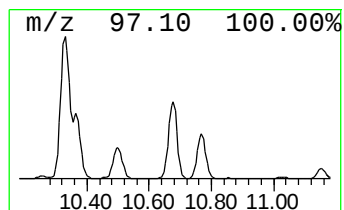
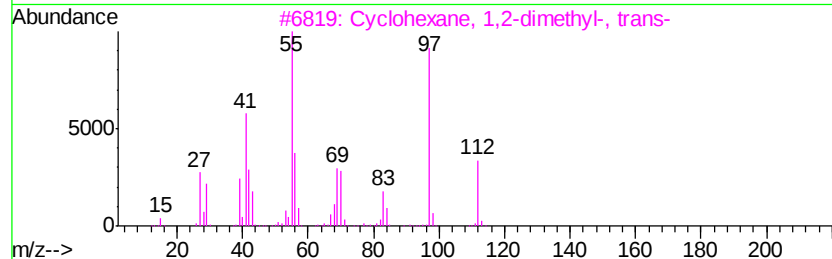
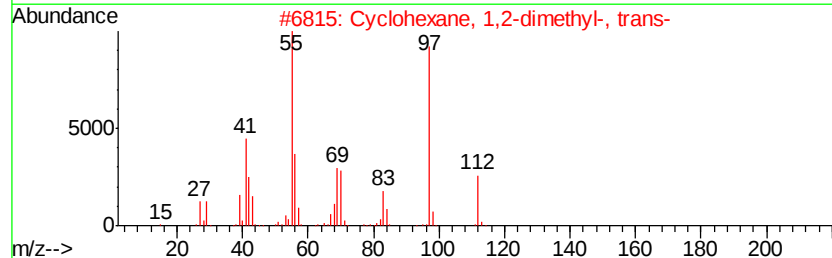
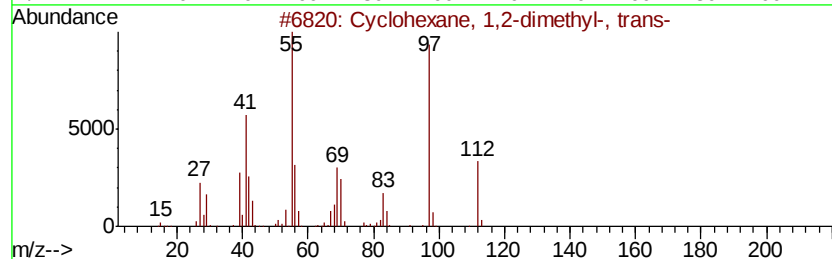
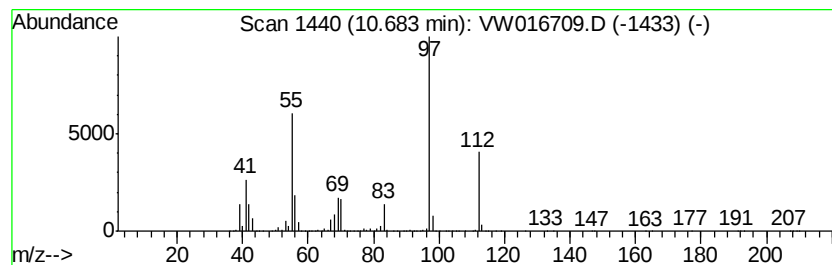
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Quant Title : VOC Analysis

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

Peak Number 17 (DEL) Alkane: Cyclic10.68 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.68	69.51 ug/L	28516800	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	91
2		Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	91
3		Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	91
4		Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	91
5		Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
Data File : VW016709.D
Acq On : 30 Sep 2020 13:17
Operator : SY/VA
Sample : L4171-15
Misc : 6.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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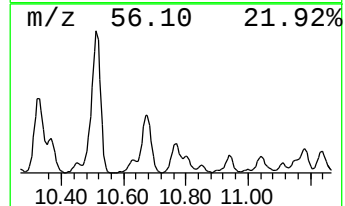
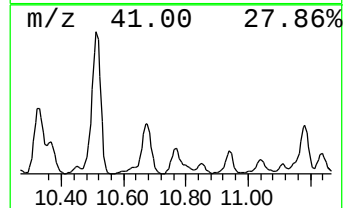
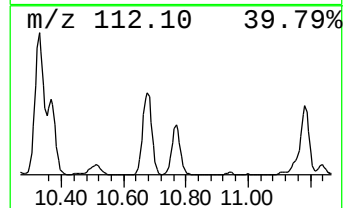
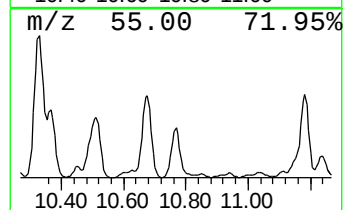
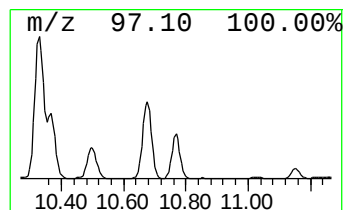
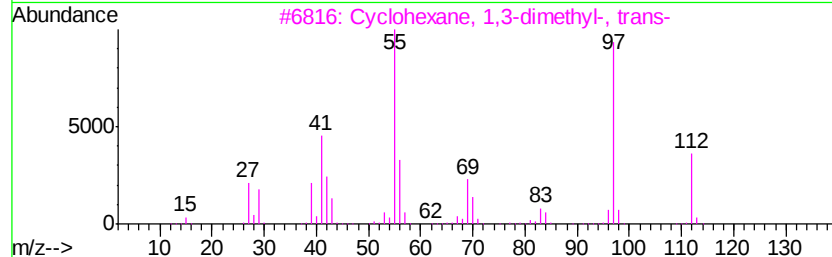
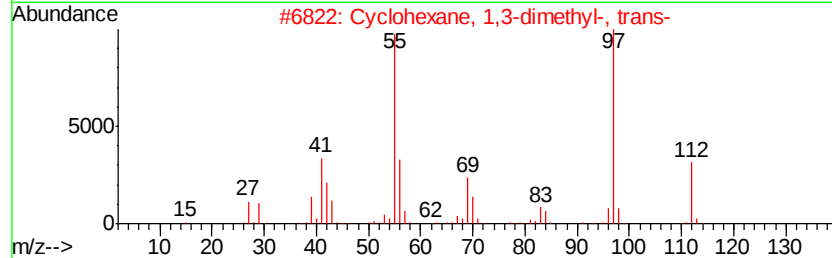
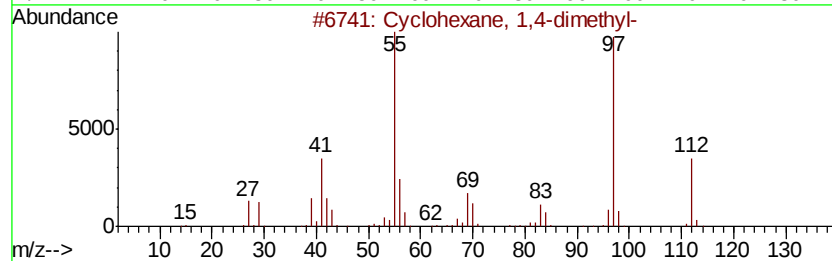
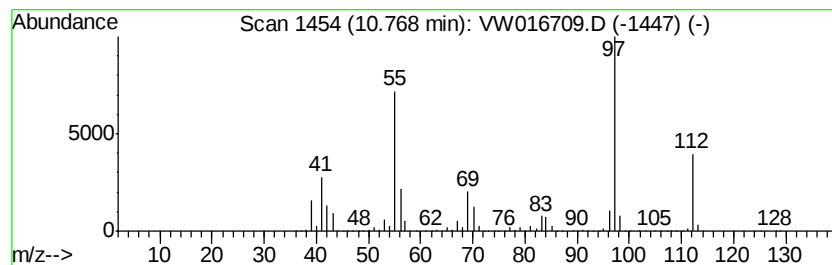
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Quant Title : VOC Analysis

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

Peak Number 18 (DEL) Alkane: Cyclic10.77 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	43.80 ug/L	17970200	Chlorobenzene-d5	11.63

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	94
2			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	94
3			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	94
4			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	94
5			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
Data File : VW016709.D
Acq On : 30 Sep 2020 13:17
Operator : SY/VA
Sample : L4171-15
Misc : 6.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3Y5

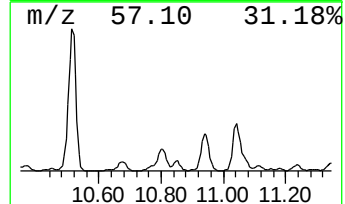
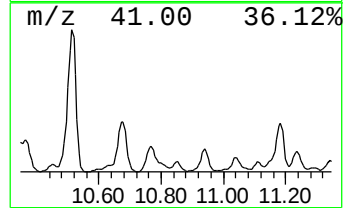
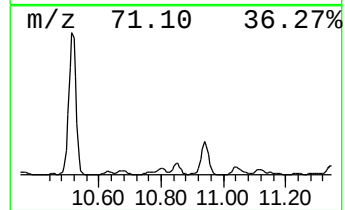
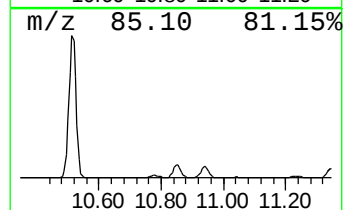
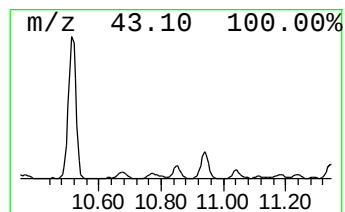
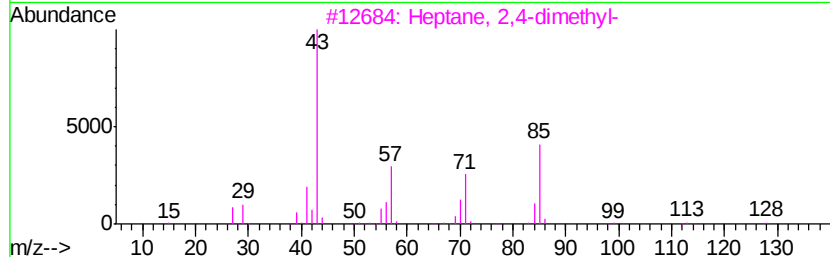
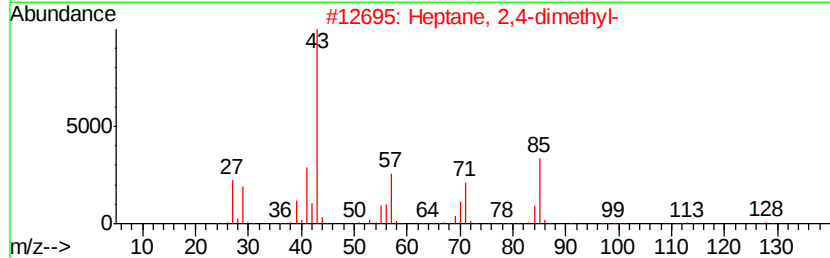
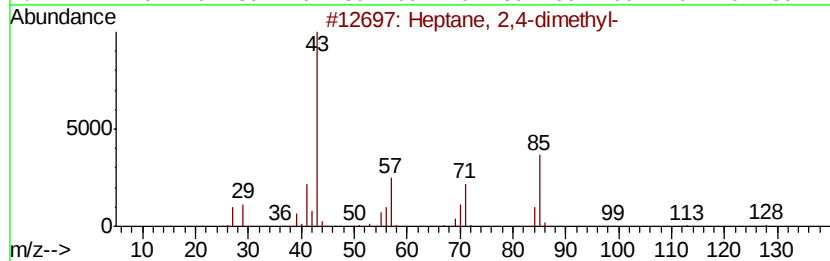
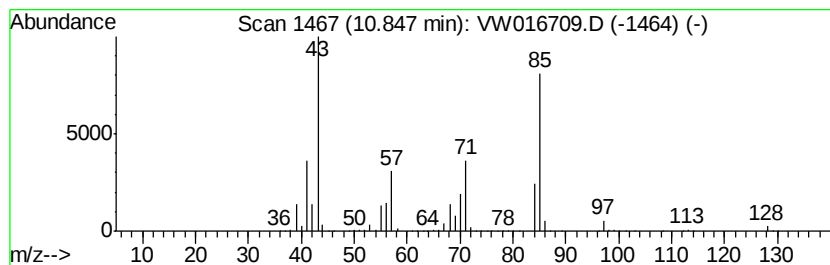
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Quant Title : VOC Analysis

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

Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.85	10.02 ug/L	4109920	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	90
2		Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	90
3		Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	90
4		Sulfurous acid, isohexyl hexyl e...	250	C12H26O3S	1000309-12-8	53
5		Sulfurous acid, butyl isohexyl e...	222	C10H22O3S	1000309-17-2	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
Data File : VW016709.D
Acq On : 30 Sep 2020 13:17
Operator : SY/VA
Sample : L4171-15
Misc : 6.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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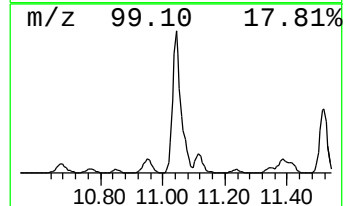
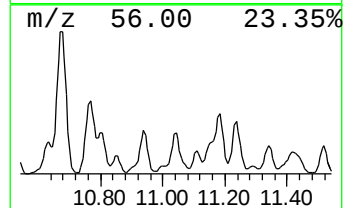
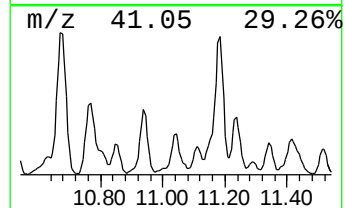
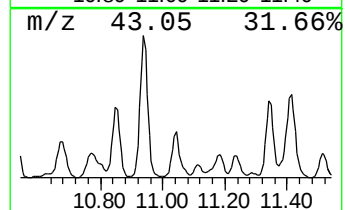
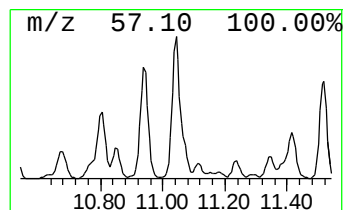
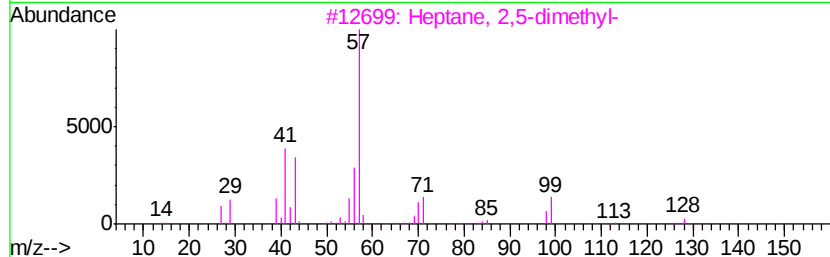
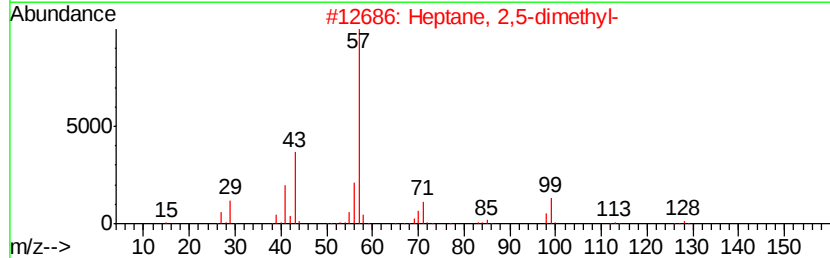
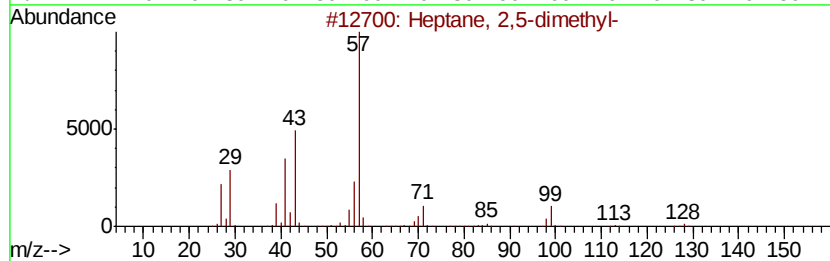
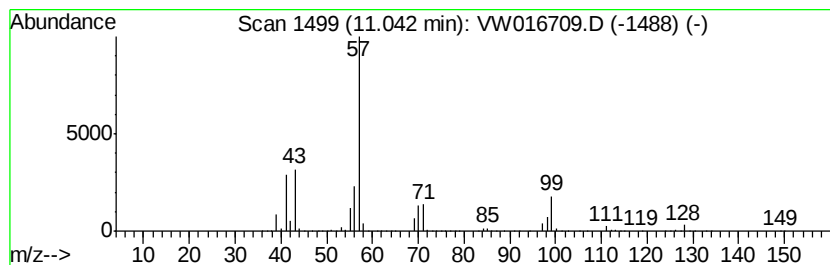
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Quant Title : VOC Analysis

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

Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.04	16.97 ug/L	6961660	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	83
2		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	80
3		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	76
4		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	72
5		Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	68



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
Data File : VW016709.D
Acq On : 30 Sep 2020 13:17
Operator : SY/VA
Sample : L4171-15
Misc : 6.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

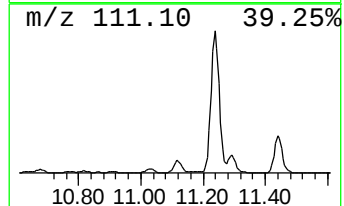
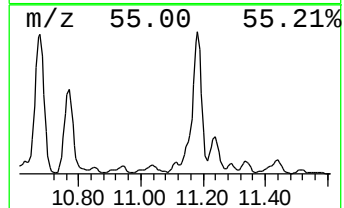
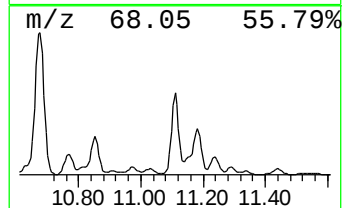
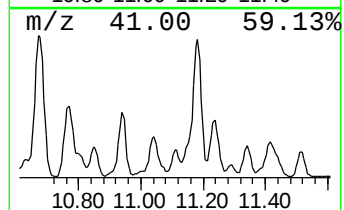
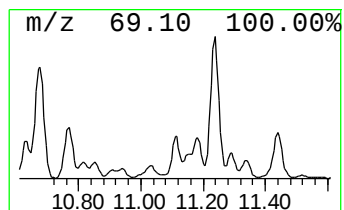
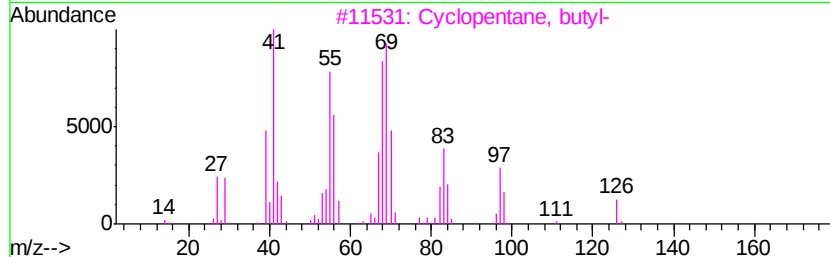
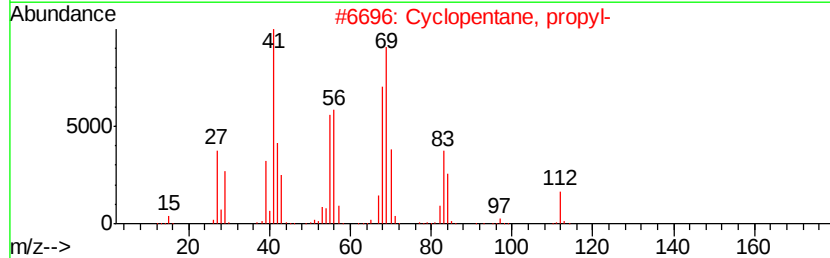
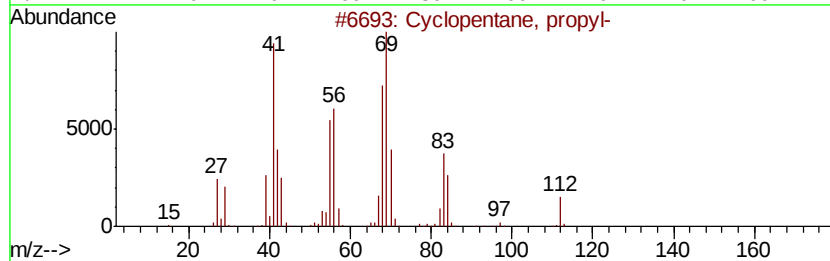
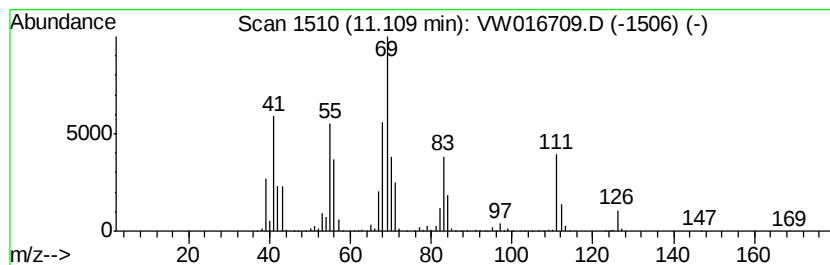
Instrument :
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ClientSampleId :
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Quant Title : VOC Analysis

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

Peak Number 21 (DEL) Alkane: Cyclic11.11 Concentration Rank 70

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.11	8.93 ug/L	3661440	Chlorobenzene-d5	11.63	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, propyl-	112	C8H16	002040-96-2	76
2	Cyclopentane, propyl-	112	C8H16	002040-96-2	50
3	Cyclopentane, butyl-	126	C9H18	002040-95-1	46
4	4-Methyl-2-heptene	112	C8H16	003404-56-6	41
5	2-Heptene, 4-methyl-, (E)-	112	C8H16	066225-17-0	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
Data File : VW016709.D
Acq On : 30 Sep 2020 13:17
Operator : SY/VA
Sample : L4171-15
Misc : 6.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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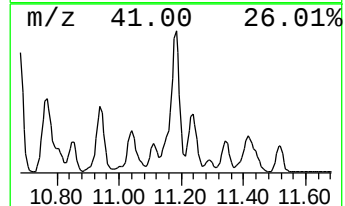
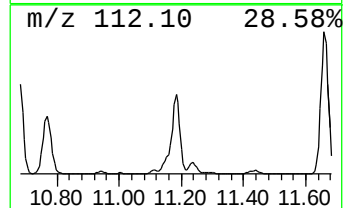
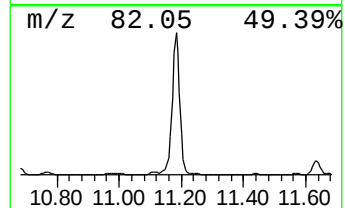
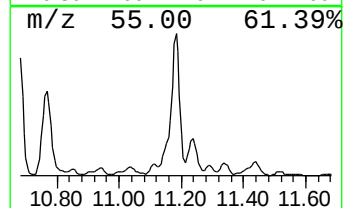
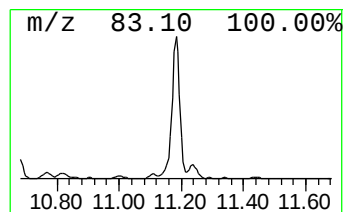
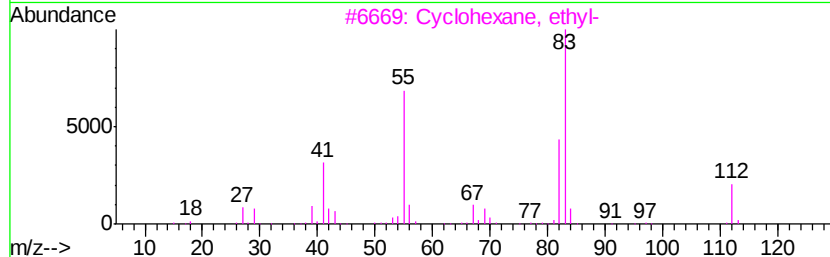
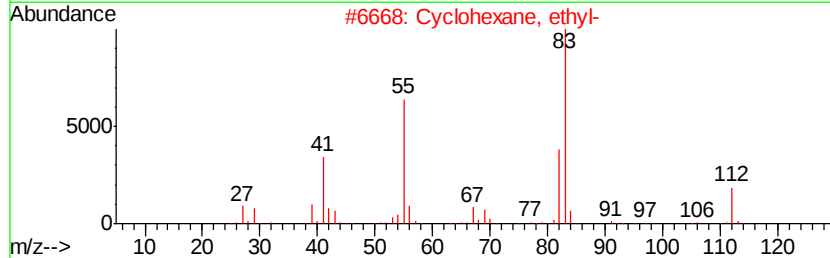
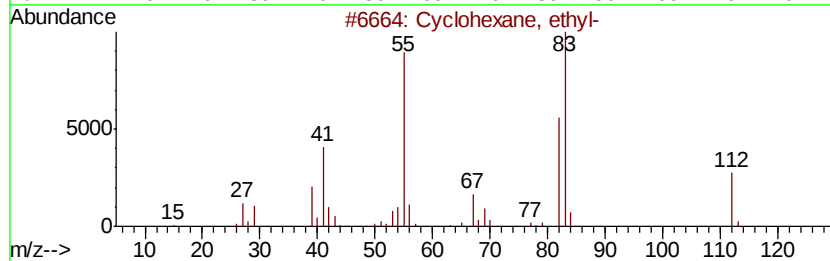
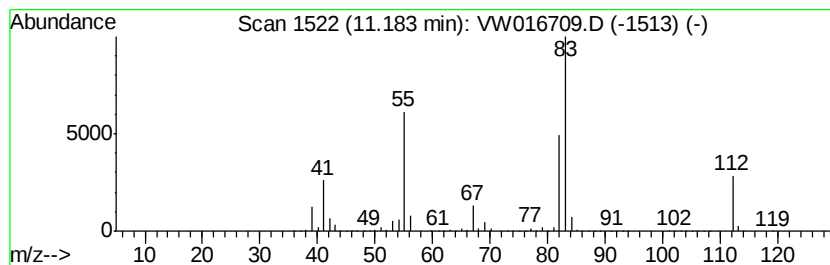
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Quant Title : VOC Analysis

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

Peak Number 22 (DEL) Alkane: Cyclic11.18 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.18	67.76 ug/L	27796600	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	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	91
4		Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
5		Cyclohexane, ethyl-	112	C8H16	001678-91-7	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
Data File : VW016709.D
Acq On : 30 Sep 2020 13:17
Operator : SY/VA
Sample : L4171-15
Misc : 6.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

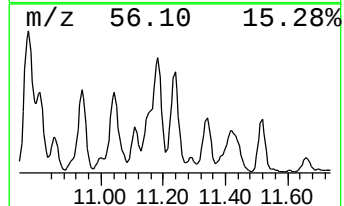
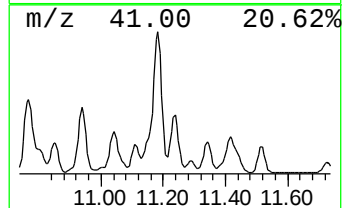
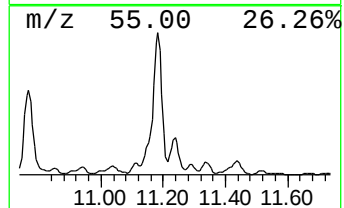
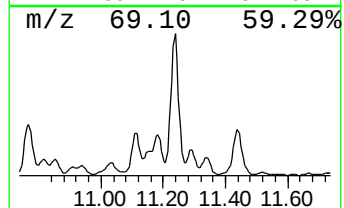
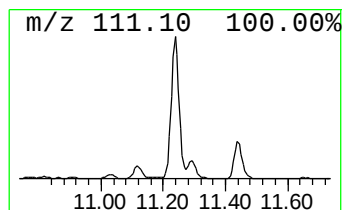
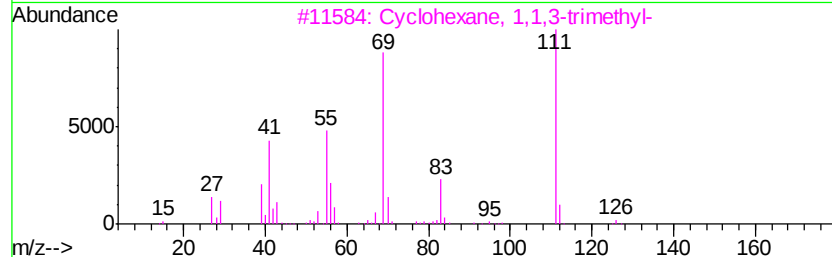
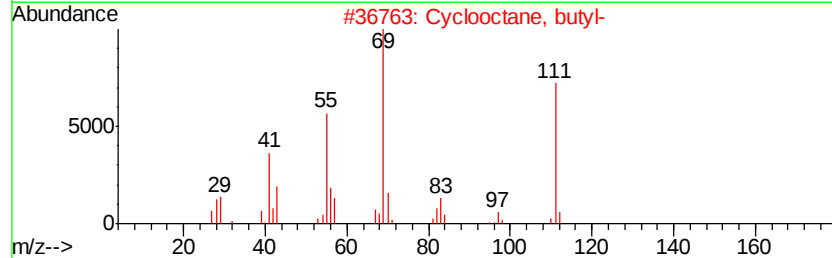
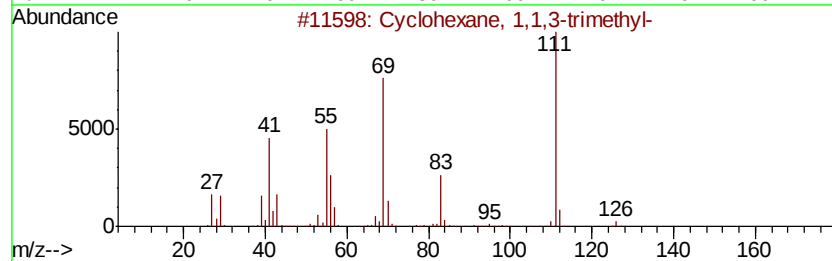
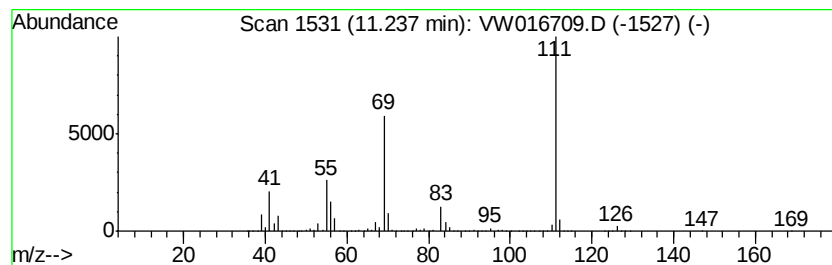
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ClientSampleId :
BG3Y5

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Quant Title : VOC Analysis

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

Peak Number 23 (DEL) Alkane: Cyclic11.24 Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.24	26.52 ug/L	10881100	Chlorobenzene-d5	11.63		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cvclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	87
2		Cvclooctane, butyl-	168	C12H24	016538-93-5	64
3		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	64
4		Cvclohexane, 1,3,5-trimethyl-, (...)	126	C9H18	001795-26-2	64
5		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
Data File : VW016709.D
Acq On : 30 Sep 2020 13:17
Operator : SY/VA
Sample : L4171-15
Misc : 6.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3Y5

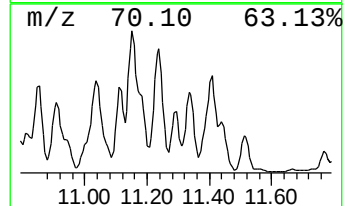
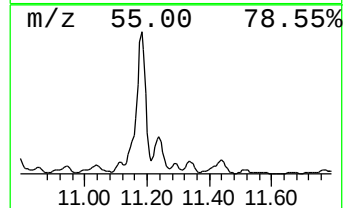
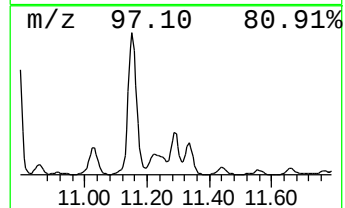
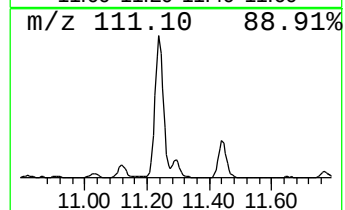
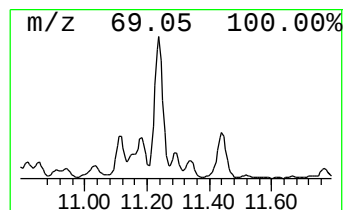
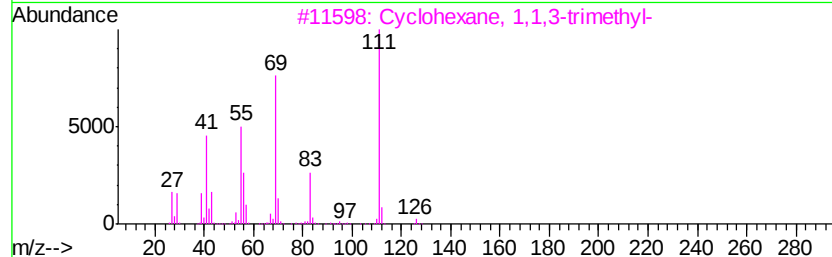
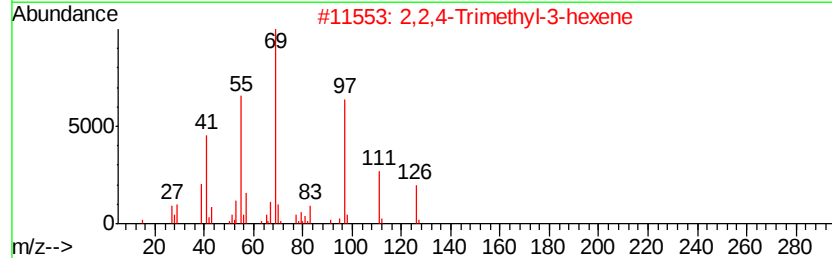
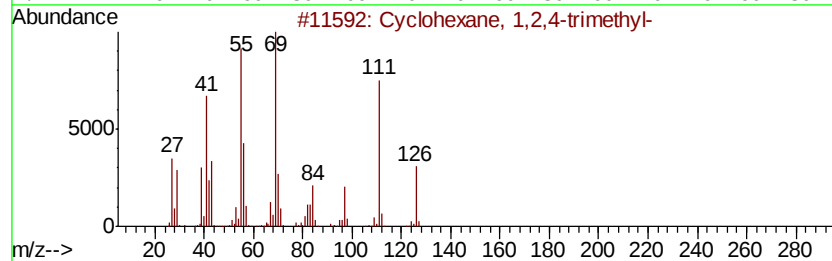
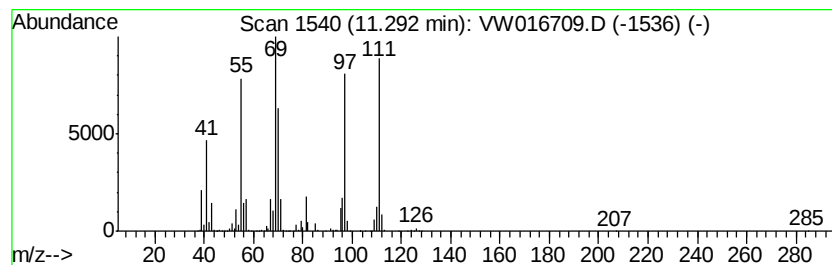
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Quant Title : VOC Analysis

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

Peak Number 24 (DEL) Alkane: Cyclic11.29 Concentration Rank 74

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.29	5.18 ug/L	2125380	Chlorobenzene-d5	11.63

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	50
2			2,2,4-Trimethyl-3-hexene	126	C9H18	059643-72-0	47
3			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	43
4			Isocytosine	111	C4H5N3O	000108-53-2	27
5			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	22



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
Data File : VW016709.D
Acq On : 30 Sep 2020 13:17
Operator : SY/VA
Sample : L4171-15
Misc : 6.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3Y5

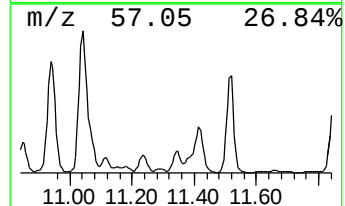
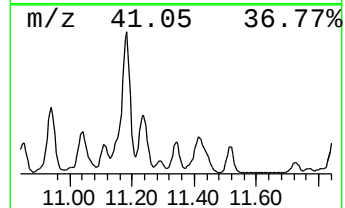
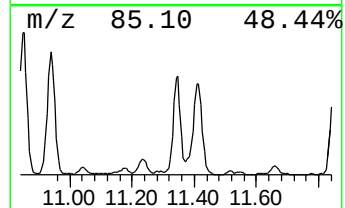
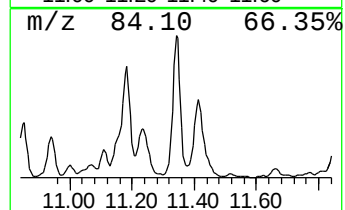
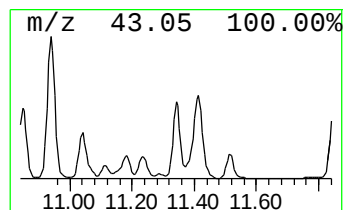
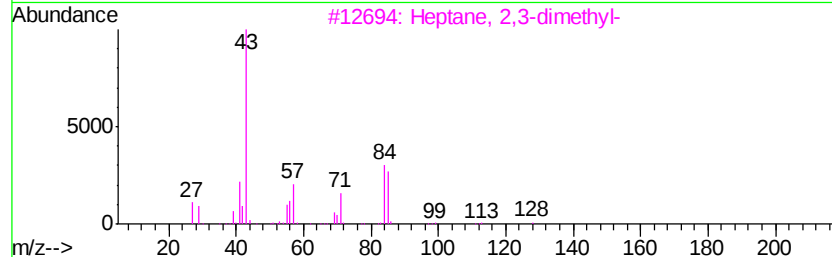
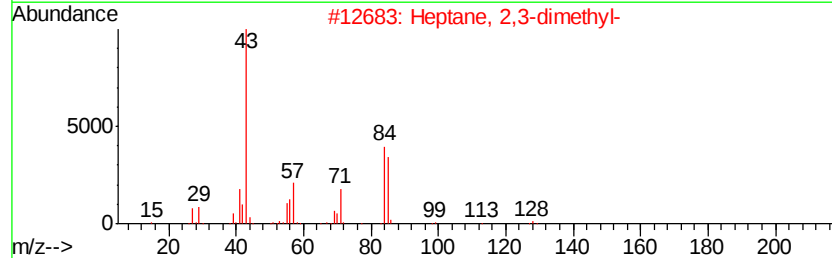
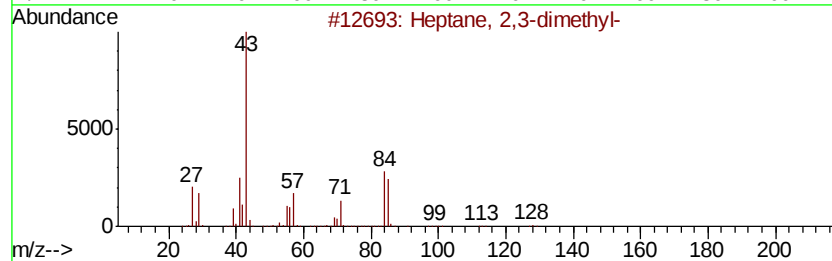
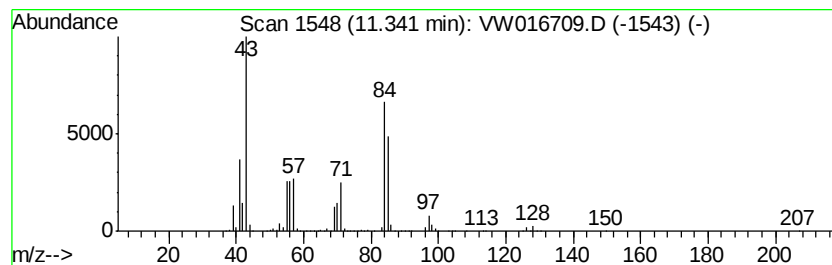
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Quant Title : VOC Analysis

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

Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.34	11.76 ug/L	4823880	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	72
2		Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	64
3		Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	64
4		Hexane, 3-ethyl-	114	C8H18	000619-99-8	59
5		Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
Data File : VW016709.D
Acq On : 30 Sep 2020 13:17
Operator : SY/VA
Sample : L4171-15
Misc : 6.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3Y5

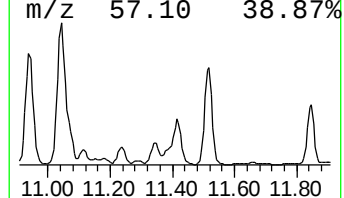
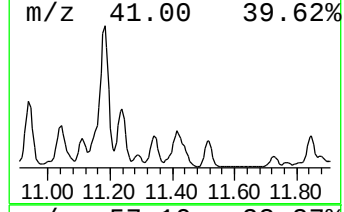
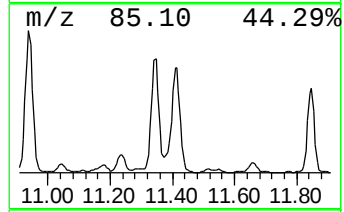
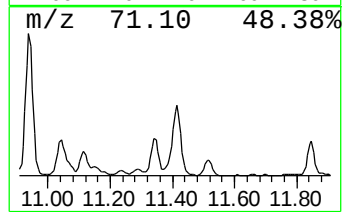
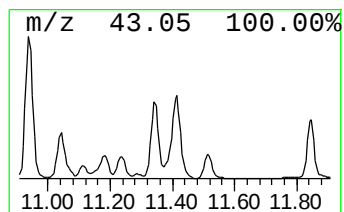
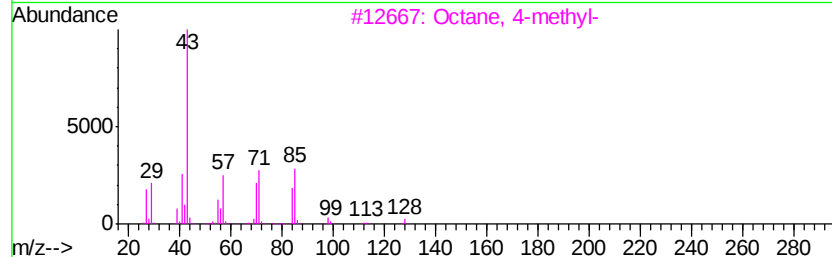
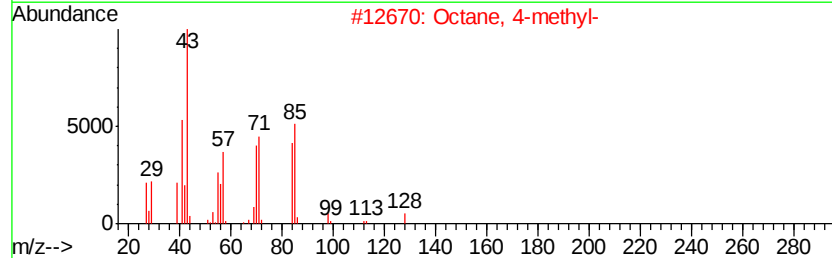
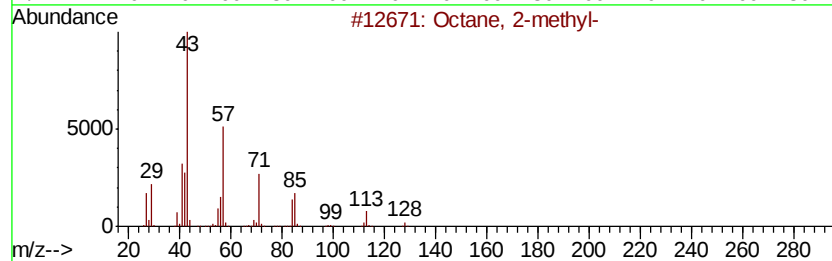
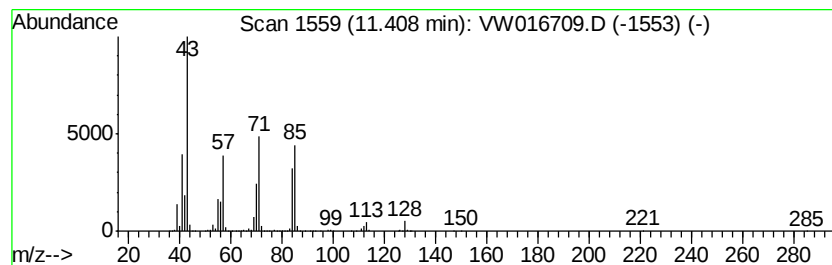
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Quant Title : VOC Analysis

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

Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.41	20.73 ug/L	8505210	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2-methyl-	128	C9H20	003221-61-2	83
2		Octane, 4-methyl-	128	C9H20	002216-34-4	74
3		Octane, 4-methyl-	128	C9H20	002216-34-4	59
4		1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	53
5		Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
Data File : VW016709.D
Acq On : 30 Sep 2020 13:17
Operator : SY/VA
Sample : L4171-15
Misc : 6.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3Y5

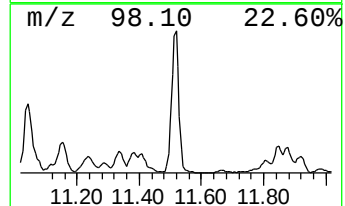
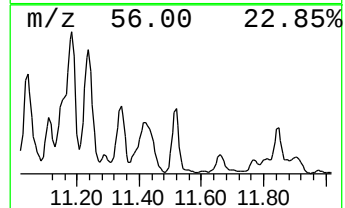
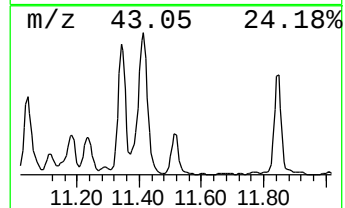
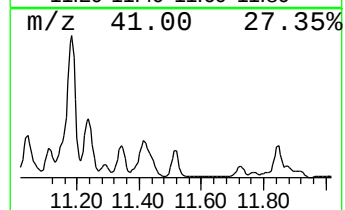
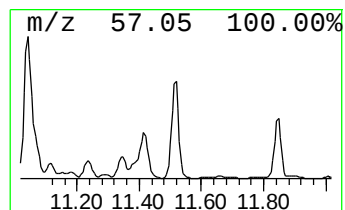
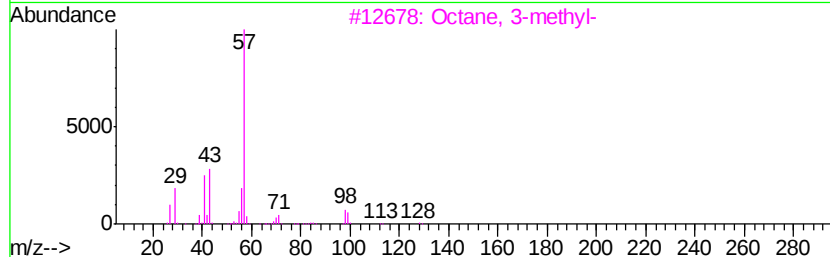
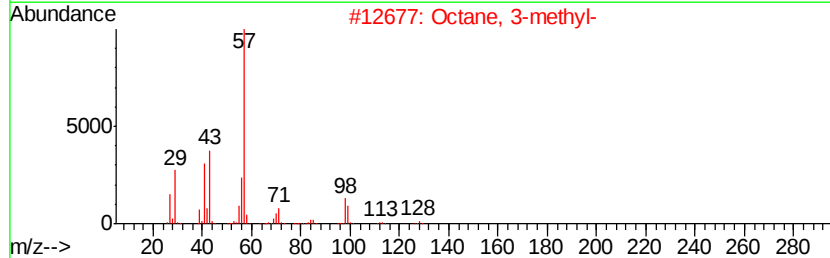
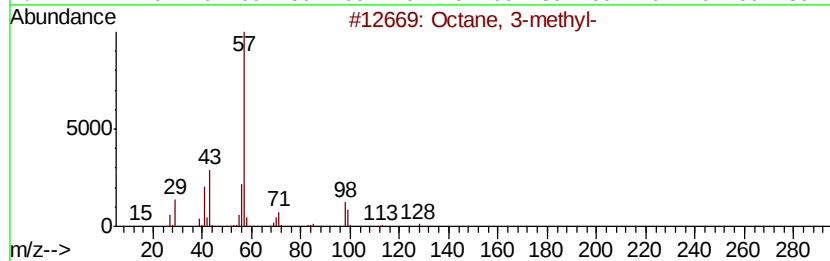
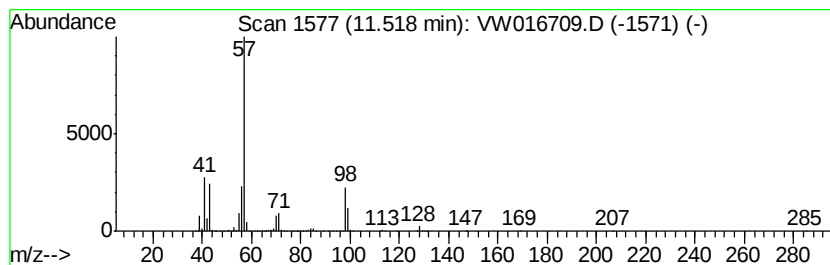
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Quant Title : VOC Analysis

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

Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 73

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.52	6.90 ug/L	2829270	Chlorobenzene-d5	11.63

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 3-methyl-	128	C9H20	002216-33-3	91
2			Octane, 3-methyl-	128	C9H20	002216-33-3	91
3			Octane, 3-methyl-	128	C9H20	002216-33-3	72
4			Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	64
5			Heptane, 4-(1-methylethyl)-	142	C10H22	052896-87-4	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
Data File : VW016709.D
Acq On : 30 Sep 2020 13:17
Operator : SY/VA
Sample : L4171-15
Misc : 6.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3Y5

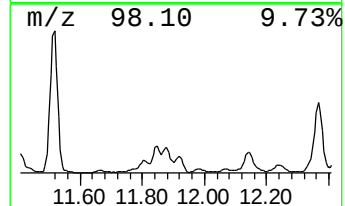
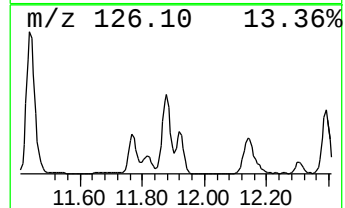
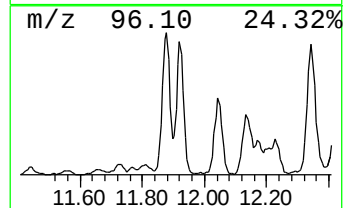
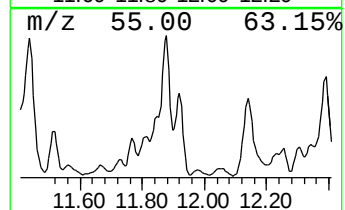
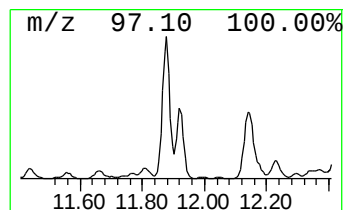
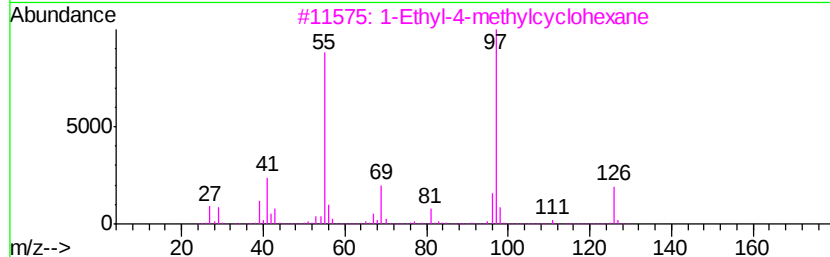
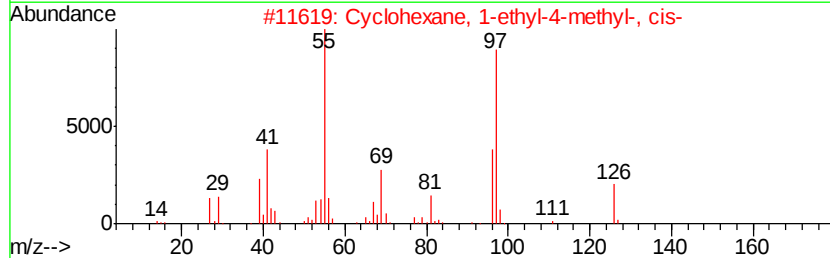
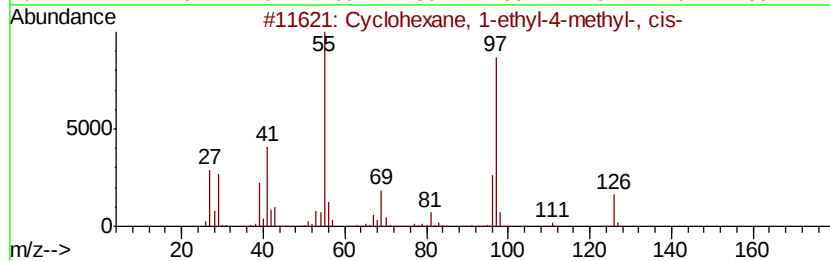
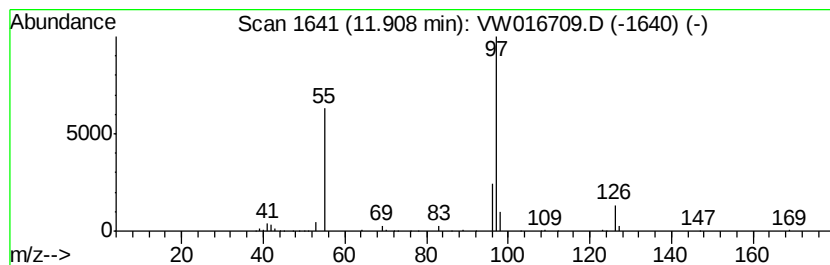
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Quant Title : VOC Analysis

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

Peak Number 28 (DEL) Alkane: Cyclic11.91 Concentration Rank 79

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	2.74 ug/L	1125140	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	78
2		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	78
3		1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	72
4		cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	72
5		1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
Data File : VW016709.D
Acq On : 30 Sep 2020 13:17
Operator : SY/VA
Sample : L4171-15
Misc : 6.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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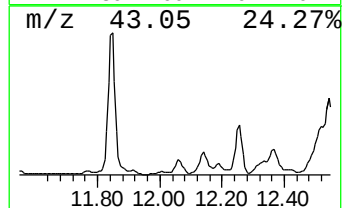
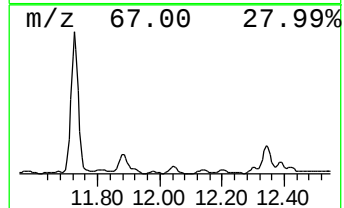
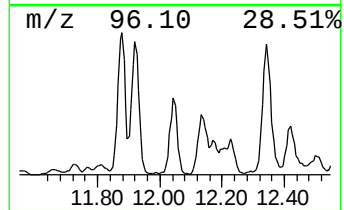
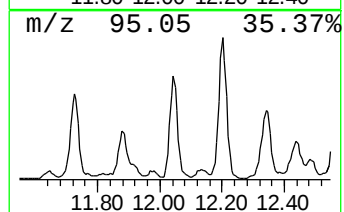
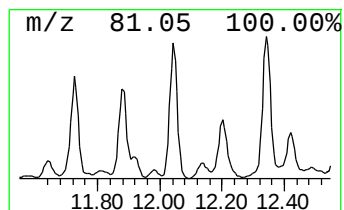
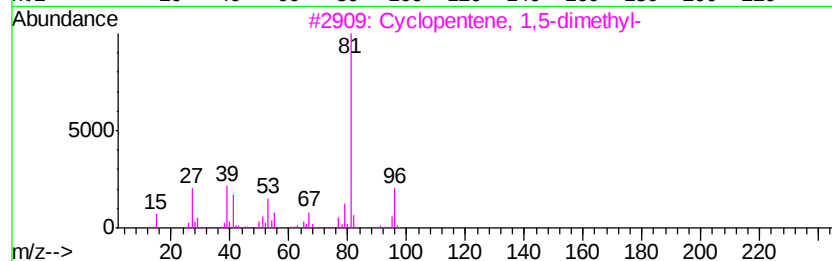
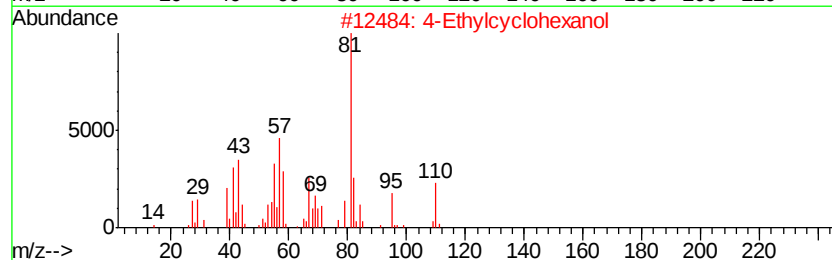
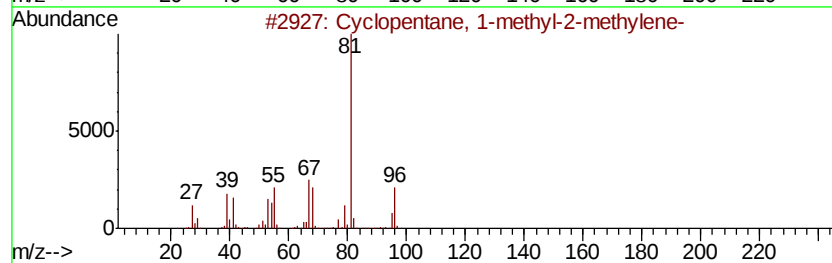
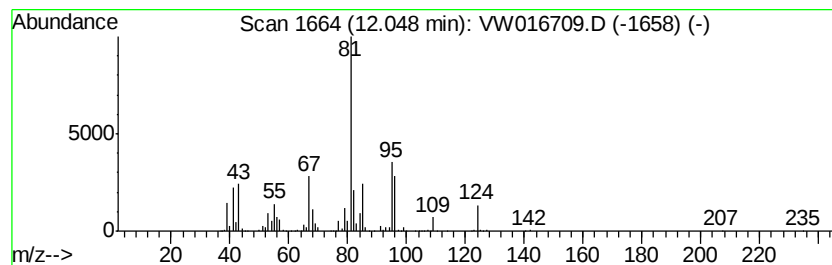
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Quant Title : VOC Analysis

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

Peak Number 29 unknown-01 Concentration Rank 80

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	2.12 ug/L	867864	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1-methyl-2-methylene-	96	C7H12	041158-41-2	47
2		4-Ethylcyclohexanol	128	C8H16O	004534-74-1	47
3		Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	43
4		Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	43
5		2-n-Butyl furan	124	C8H12O	004466-24-4	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
Data File : VW016709.D
Acq On : 30 Sep 2020 13:17
Operator : SY/VA
Sample : L4171-15
Misc : 6.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3Y5

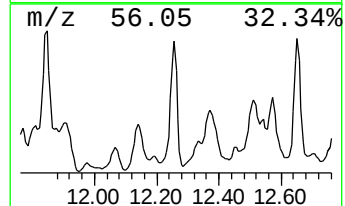
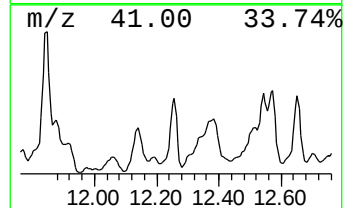
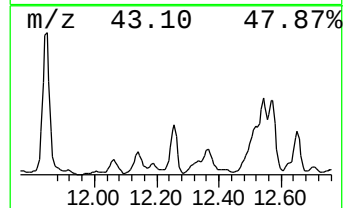
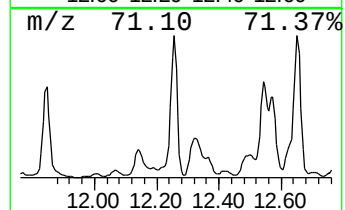
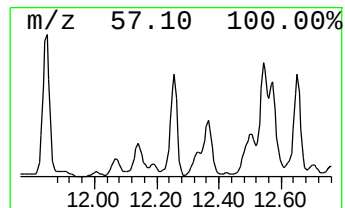
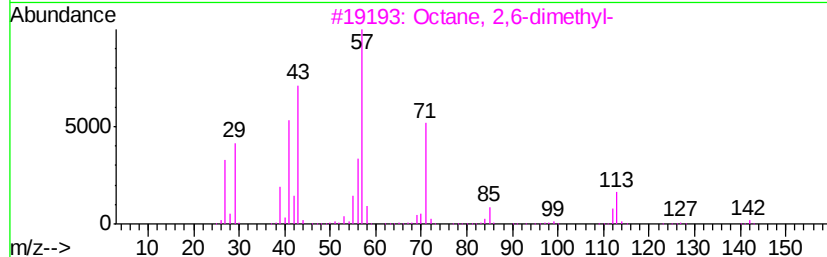
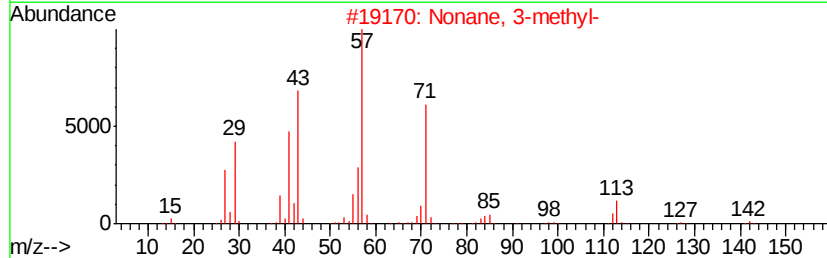
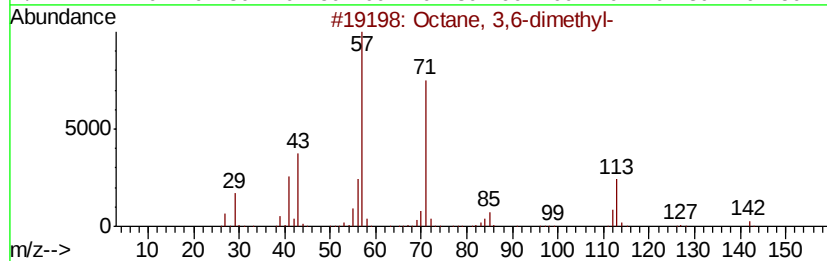
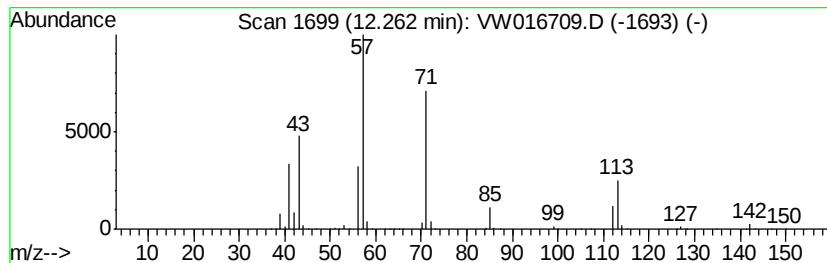
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Quant Title : VOC Analysis

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

Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 76

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	4.26 ug/L	1745700	Chlorobenzene-d5	11.63

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	91
2			Nonane, 3-methyl-	142	C10H22	005911-04-6	91
3			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	90
4			Nonane, 3-methyl-	142	C10H22	005911-04-6	86
5			Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	78



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
Data File : VW016709.D
Acq On : 30 Sep 2020 13:17
Operator : SY/VA
Sample : L4171-15
Misc : 6.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3Y5

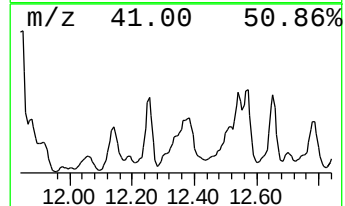
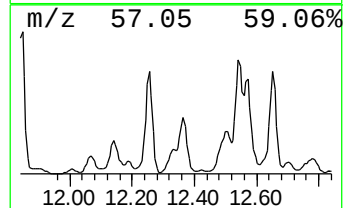
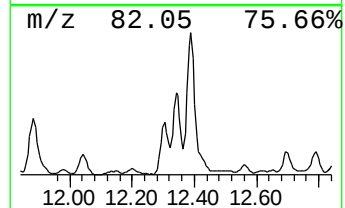
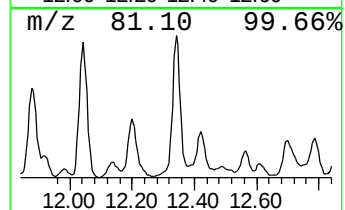
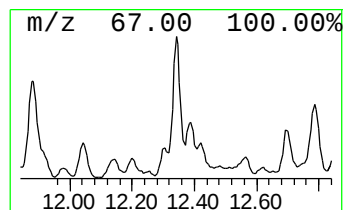
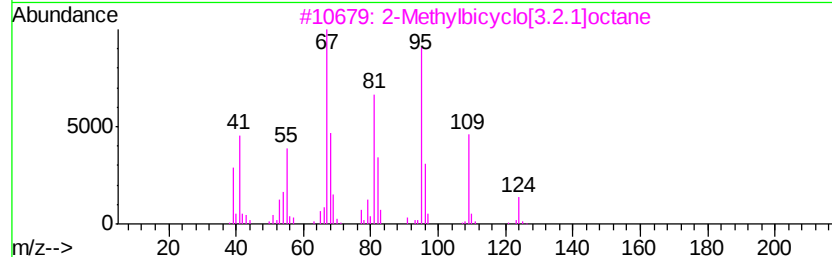
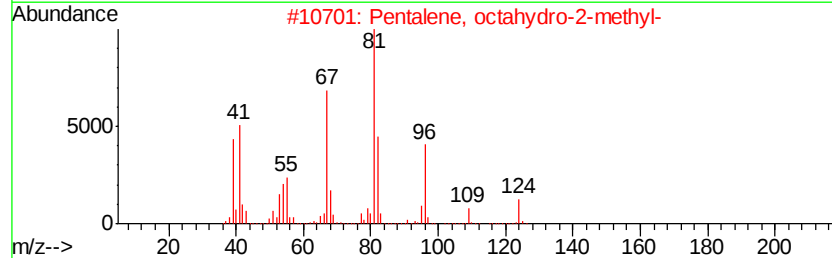
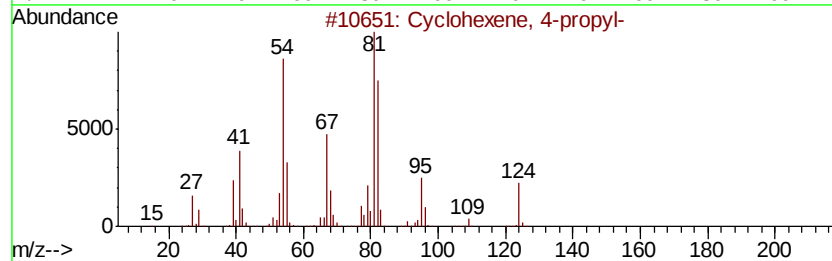
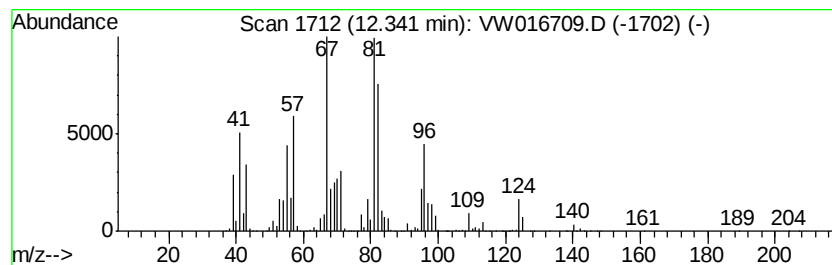
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Quant Title : VOC Analysis

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

Peak Number 31 Cyclohexene, 4-propyl- Concentration Rank 75

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	4.79 ug/L	1964360	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexene, 4-propyl-	124	C9H16	013487-64-4	60
2		Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	53
3		2-Methylbicyclo[3.2.1]octane	124	C9H16	1000215-28-0	52
4		1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	52
5		3-Octyne, 2-methyl-	124	C9H16	055402-15-8	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
Data File : VW016709.D
Acq On : 30 Sep 2020 13:17
Operator : SY/VA
Sample : L4171-15
Misc : 6.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3Y5

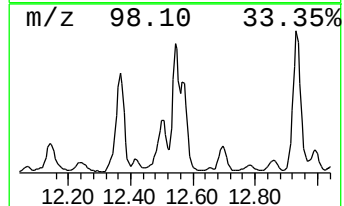
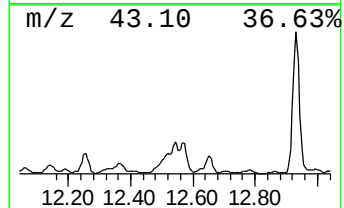
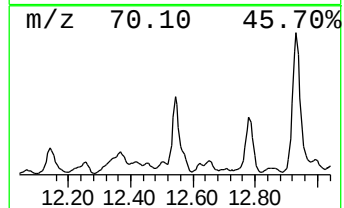
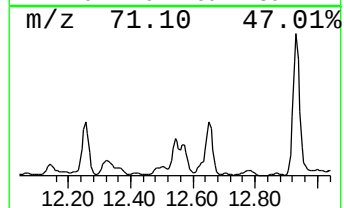
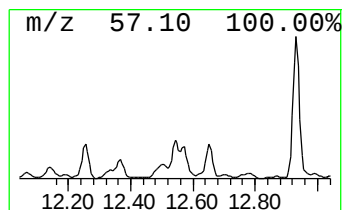
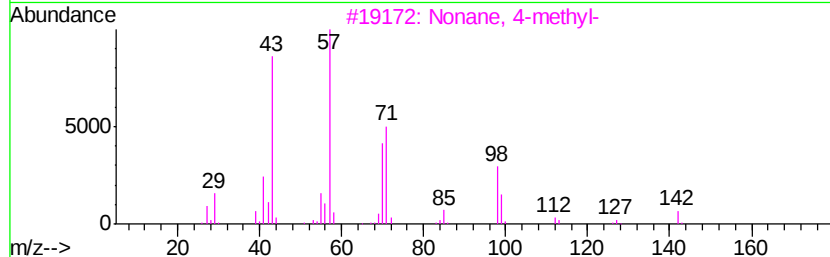
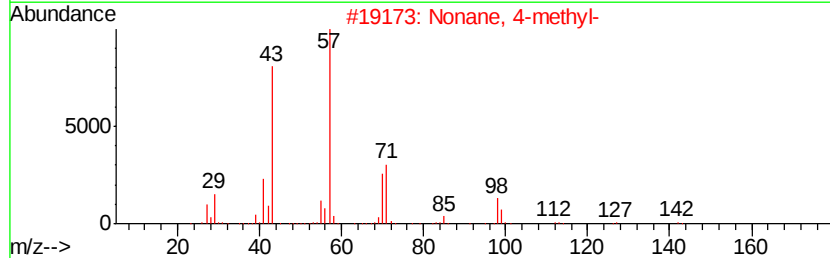
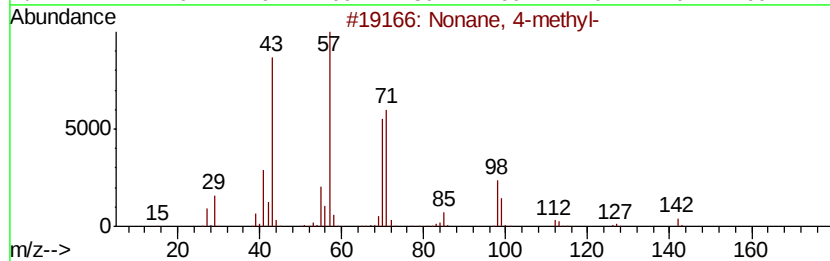
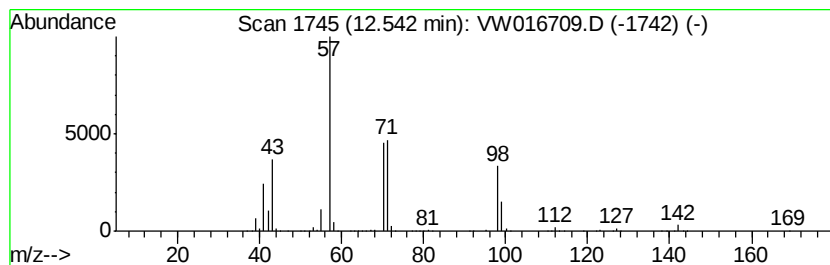
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Quant Title : VOC Analysis

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

Peak Number 32 (DEL) Alkane: Straight-Chai... Concentration Rank 78

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	3.15 ug/L	1293960	Chlorobenzene-d5	11.63

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane, 4-methyl-	142	C10H22	017301-94-9	86
2			Nonane, 4-methyl-	142	C10H22	017301-94-9	78
3			Nonane, 4-methyl-	142	C10H22	017301-94-9	72
4			Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	64
5			Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
Data File : VW016709.D
Acq On : 30 Sep 2020 13:17
Operator : SY/VA
Sample : L4171-15
Misc : 6.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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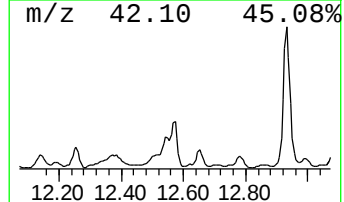
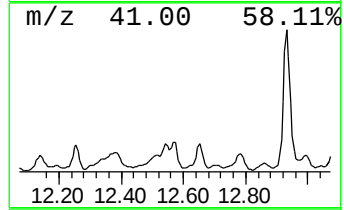
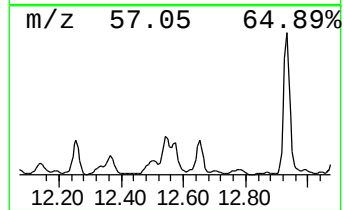
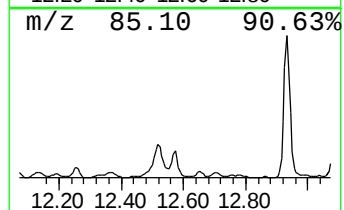
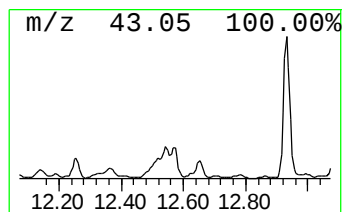
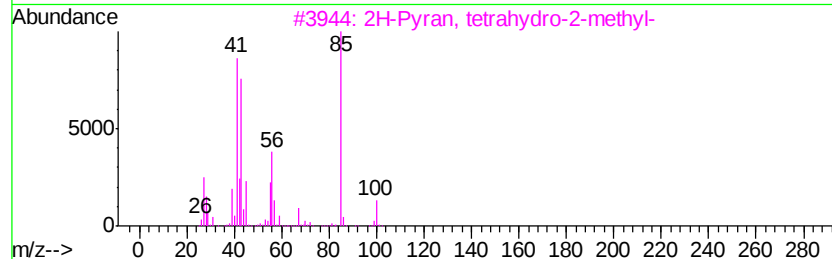
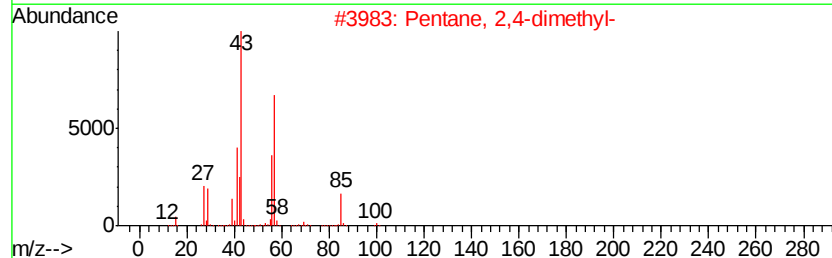
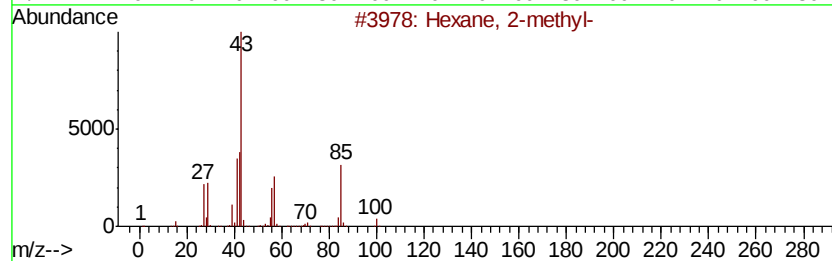
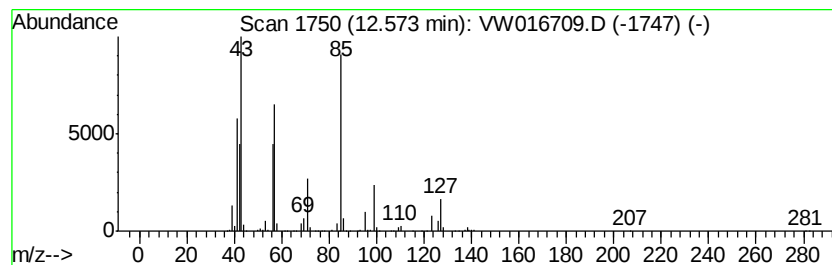
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Quant Title : VOC Analysis

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

Peak Number 33 (DEL) Alkane: Straight-Chai... Concentration Rank 77

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.57	3.70 ug/L	1516330	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexane, 2-methyl-	100	C7H16	000591-76-4	53
2		Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	47
3		2H-Pyran, tetrahydro-2-methyl-	100	C6H12O	010141-72-7	43
4		Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	38
5		Heptane, 4,4-dimethyl-	128	C9H20	001068-19-5	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
Data File : VW016709.D
Acq On : 30 Sep 2020 13:17
Operator : SY/VA
Sample : L4171-15
Misc : 6.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3Y5

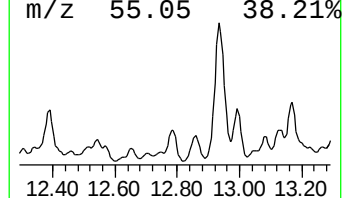
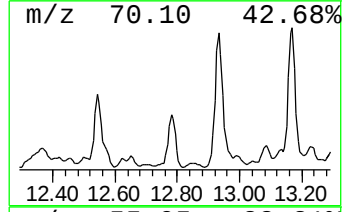
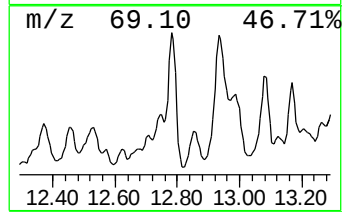
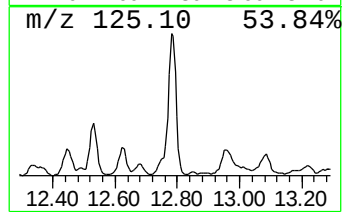
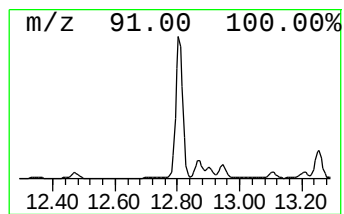
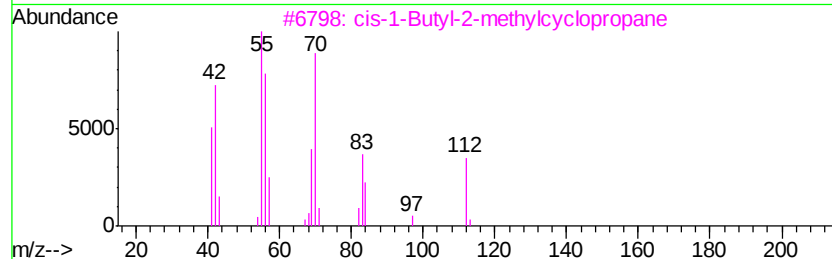
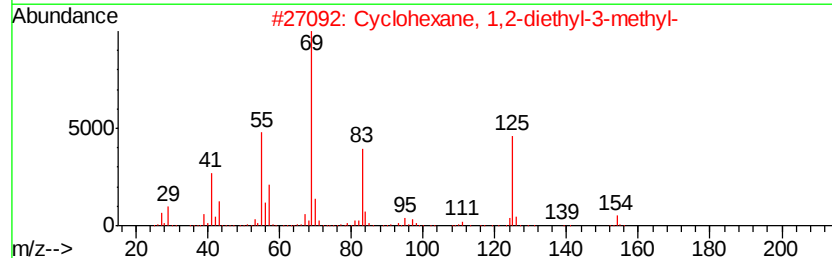
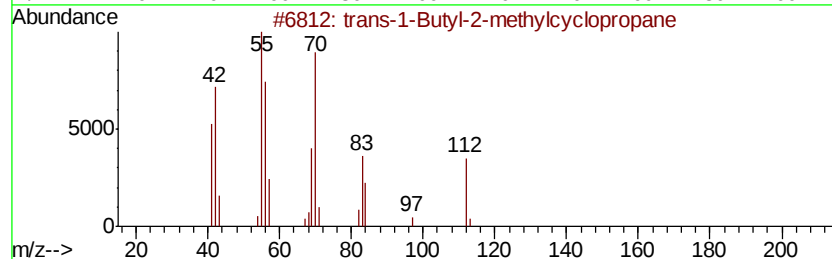
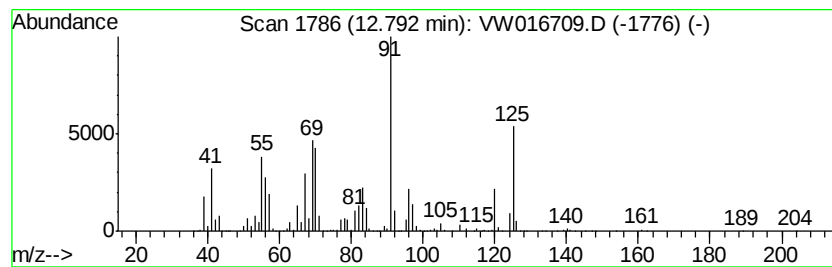
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Quant Title : VOC Analysis

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

Peak Number 34 (DEL) Alkane: Straight-Chai... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.79	22.68 ug/L	2940520	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	46
2		Cyclohexane, 1,2-diethyl-3-methyl-	154	C11H22	061141-80-8	43
3		cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	42
4		Cyclopropane, 1,2-dimethyl-3-pen...	140	C10H20	062238-10-2	35
5		Cyclopropane, 1,2-dimethyl-1-pen...	140	C10H20	062238-04-4	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
Data File : VW016709.D
Acq On : 30 Sep 2020 13:17
Operator : SY/VA
Sample : L4171-15
Misc : 6.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3Y5

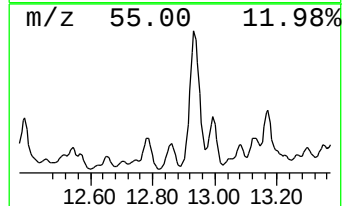
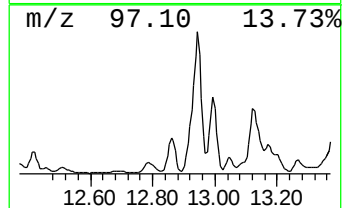
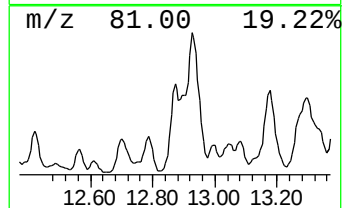
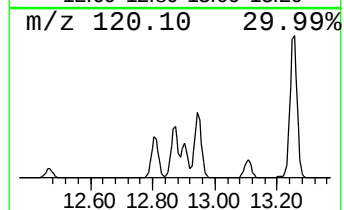
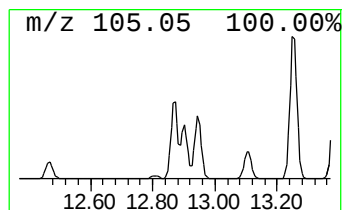
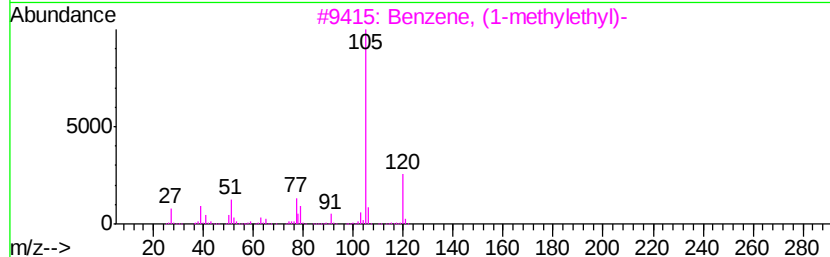
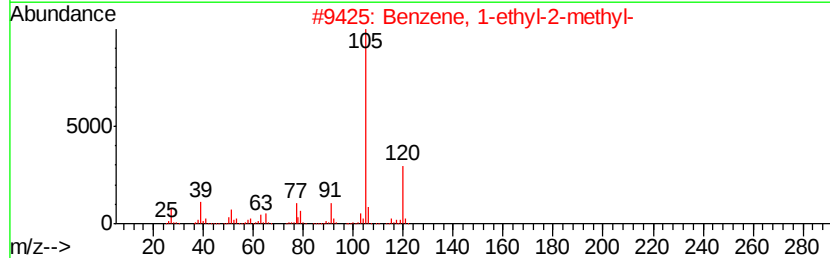
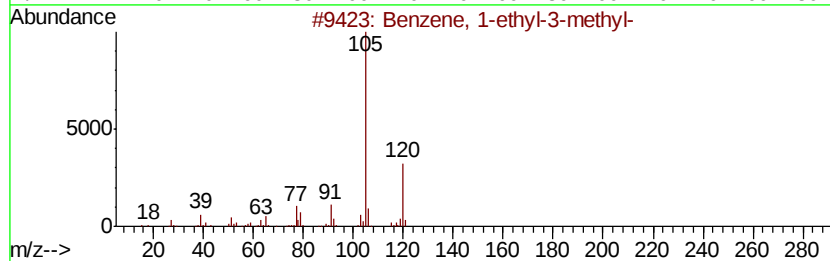
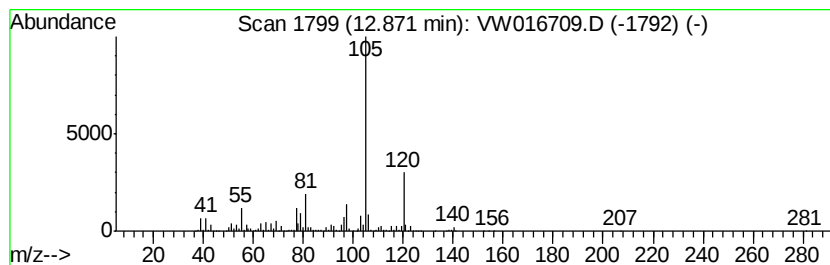
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Quant Title : VOC Analysis

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

Peak Number 35 Benzene, 1-ethyl-3-methyl- Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	16.43 ug/L	2130070	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	70
2		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	55
3		Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	55
4		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	55
5		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	55



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
Data File : VW016709.D
Acq On : 30 Sep 2020 13:17
Operator : SY/VA
Sample : L4171-15
Misc : 6.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3Y5

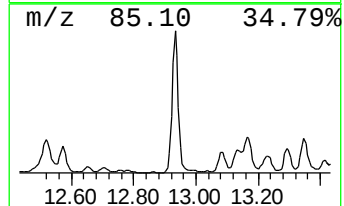
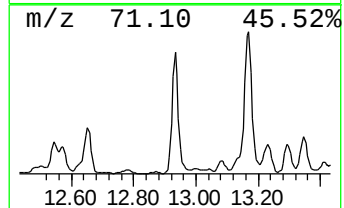
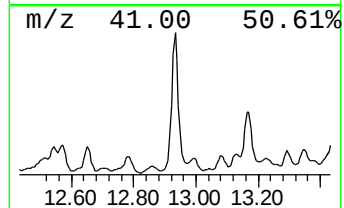
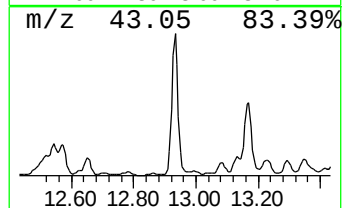
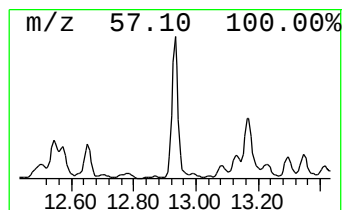
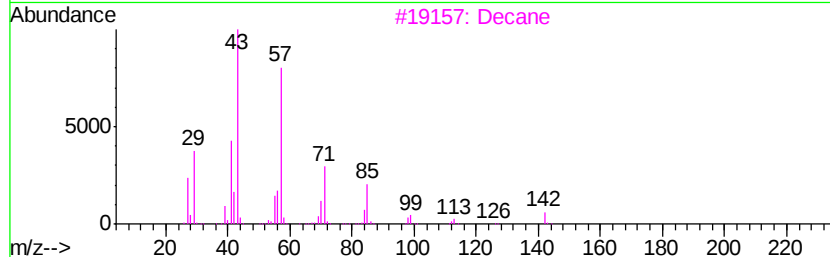
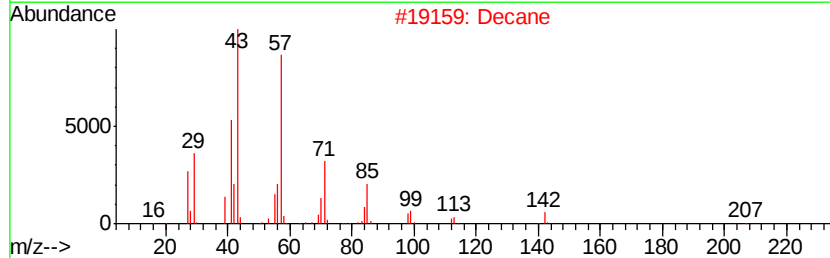
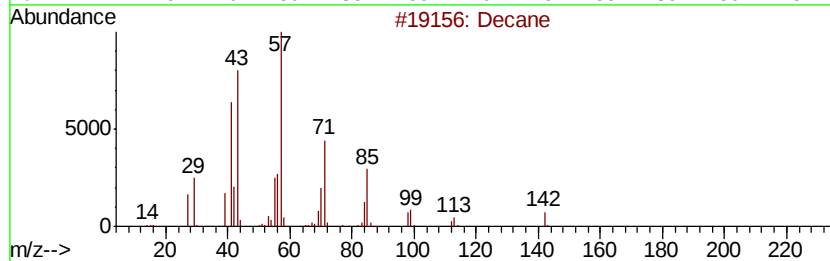
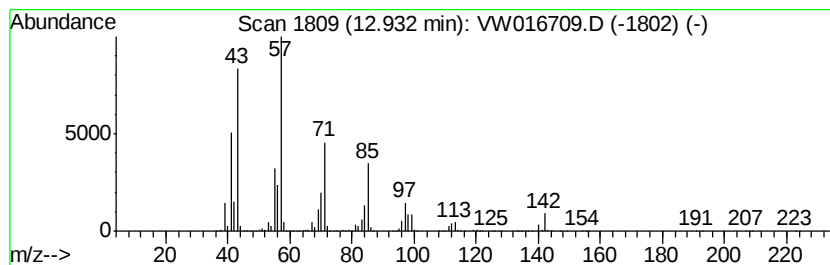
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Quant Title : VOC Analysis

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

Peak Number 36 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.93	85.85 ug/L	11128600	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane	142	C10H22	000124-18-5	94
2		Decane	142	C10H22	000124-18-5	93
3		Decane	142	C10H22	000124-18-5	93
4		Decane	142	C10H22	000124-18-5	87
5		Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
Data File : VW016709.D
Acq On : 30 Sep 2020 13:17
Operator : SY/VA
Sample : L4171-15
Misc : 6.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3Y5

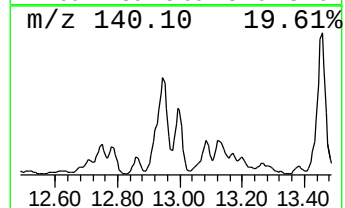
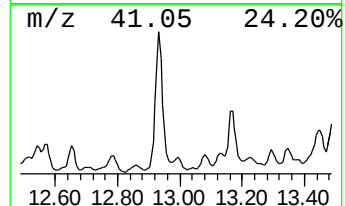
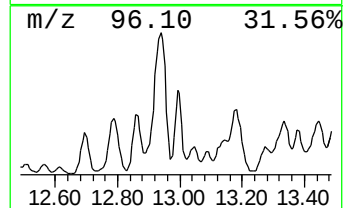
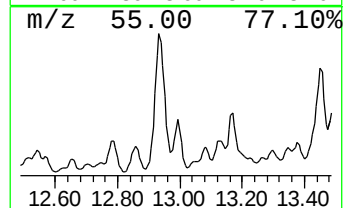
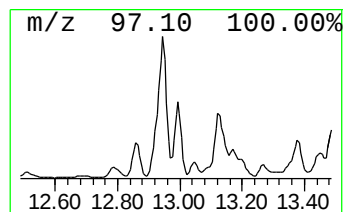
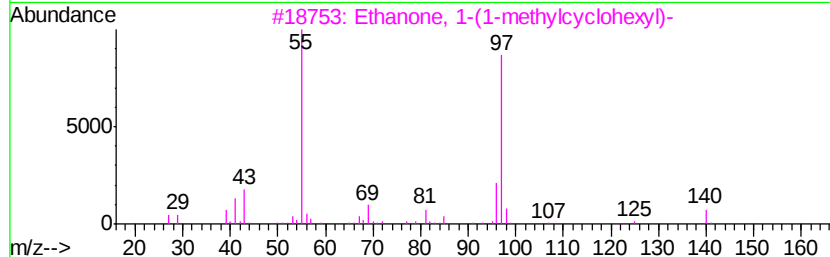
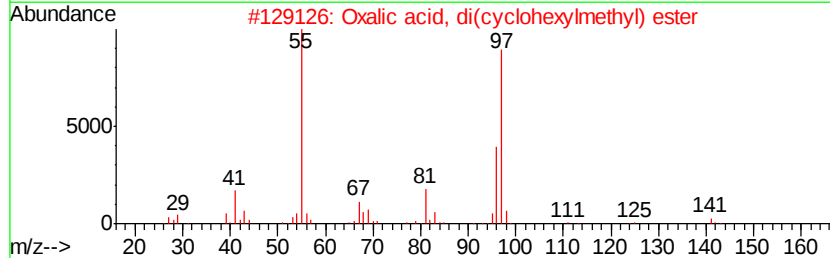
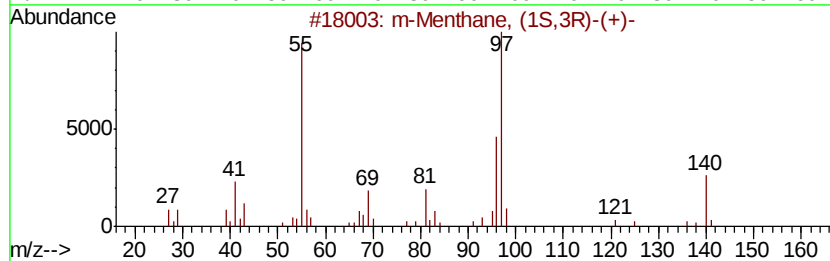
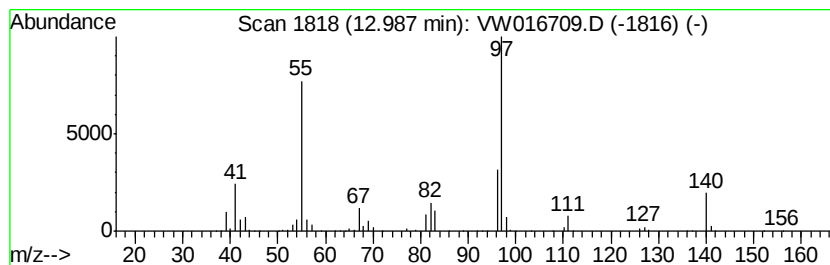
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Quant Title : VOC Analysis

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

Peak Number 37 (DEL) Alkane: Straight-Chai... Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.99	9.51 ug/L	1232250	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			m-Menthane, (1S,3R)-(+)-	140	C10H20	013837-66-6	80
2			Oxalic acid, di(cyclohexylmethyl)...	282	C16H26O4	1000309-68-5	72
3			Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	59
4			Cyclohexane, 1-isopropyl-1-methyl-	140	C10H20	016580-26-0	59
5			Cyclopentane, 1,1'-ethylidenebis-	166	C12H22	004413-21-2	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
Data File : VW016709.D
Acq On : 30 Sep 2020 13:17
Operator : SY/VA
Sample : L4171-15
Misc : 6.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3Y5

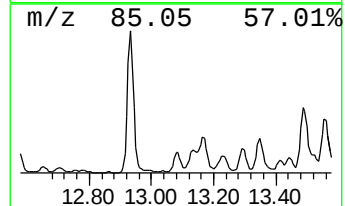
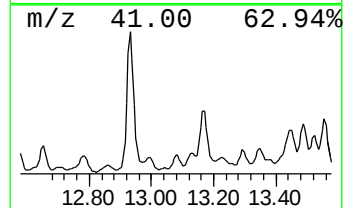
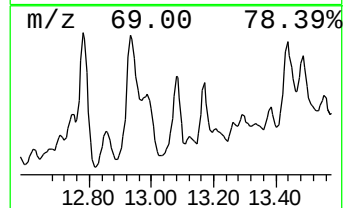
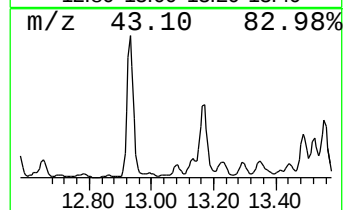
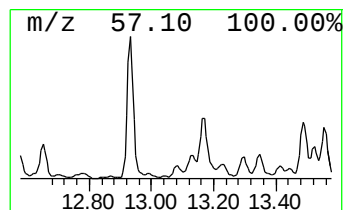
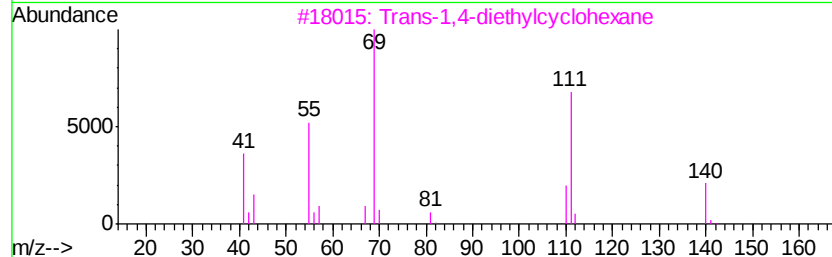
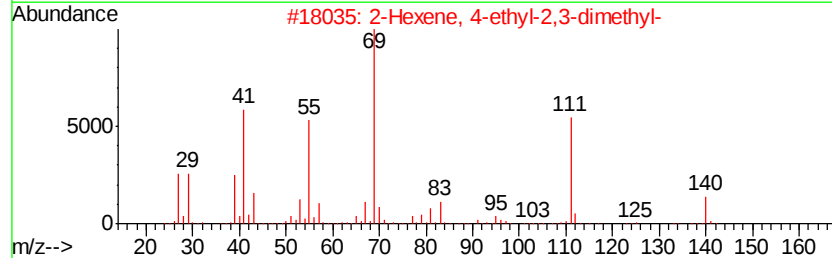
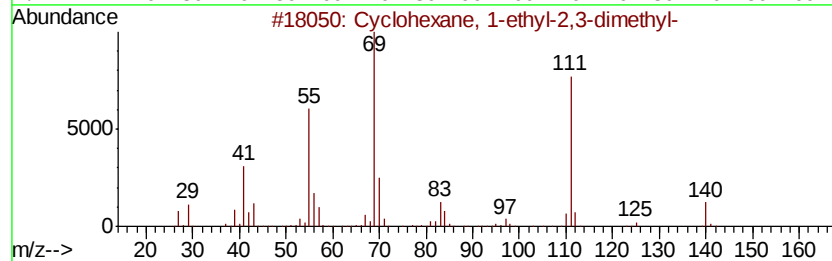
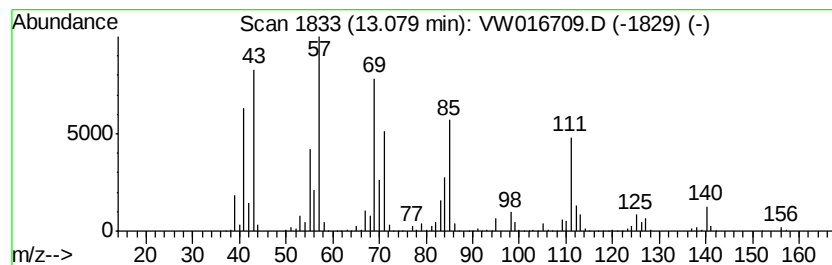
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Quant Title : VOC Analysis

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

Peak Number 38 (DEL) Alkane: Cyclic13.08 Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.08	10.72 ug/L	1390160	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-ethyl-2,3-dimethyl-	140	C10H20	007058-05-1	43
2		2-Hexene, 4-ethyl-2,3-dimethyl-	140	C10H20	1000149-19-7	43
3		Trans-1,4-diethylcyclohexane	140	C10H20	013990-93-7	43
4		2-Pentene, 3-methyl-	84	C6H12	000922-61-2	30
5		1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
Data File : VW016709.D
Acq On : 30 Sep 2020 13:17
Operator : SY/VA
Sample : L4171-15
Misc : 6.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3Y5

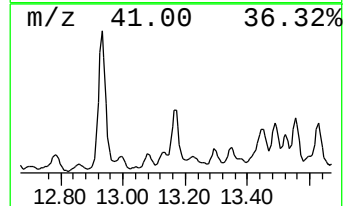
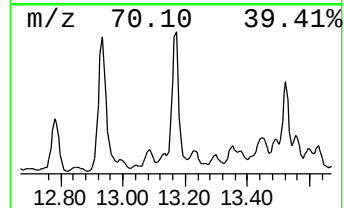
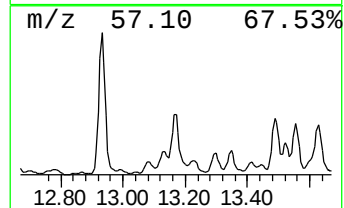
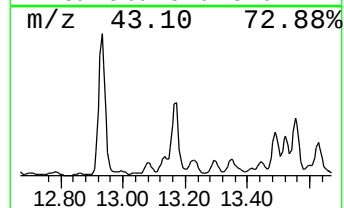
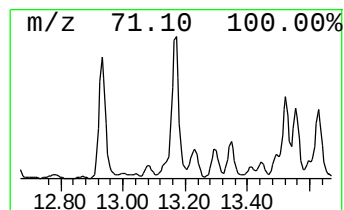
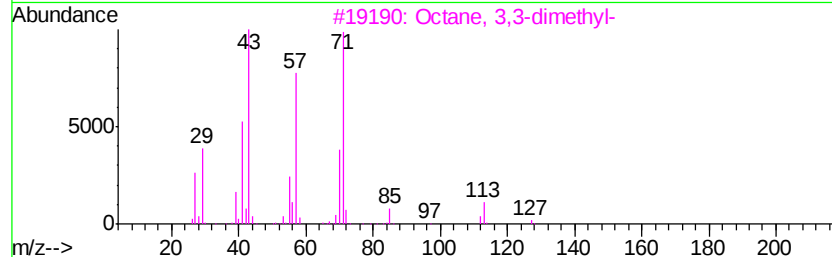
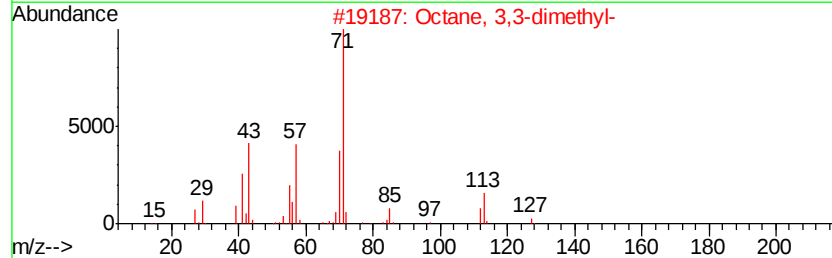
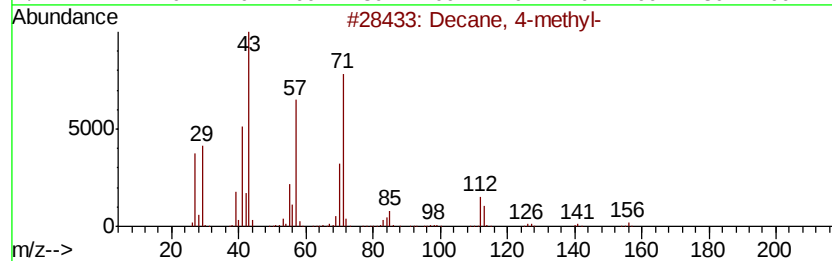
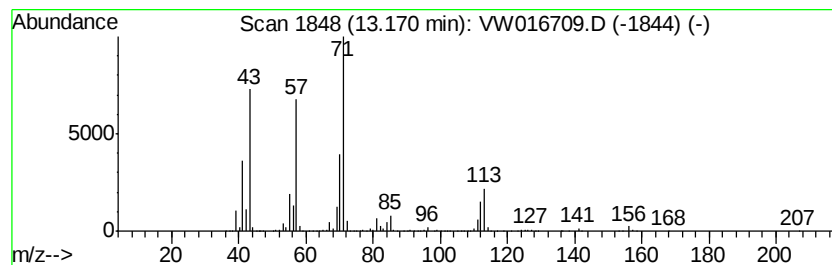
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Quant Title : VOC Analysis

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

Peak Number 39 (DEL) Alkane: Straight-Chai... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	32.77 ug/L	4248240	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 4-methyl-	156	C11H24	002847-72-5	87
2		Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	83
3		Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	72
4		Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	72
5		Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
Data File : VW016709.D
Acq On : 30 Sep 2020 13:17
Operator : SY/VA
Sample : L4171-15
Misc : 6.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3Y5

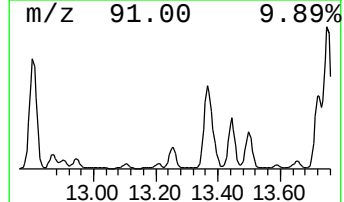
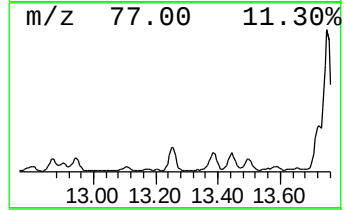
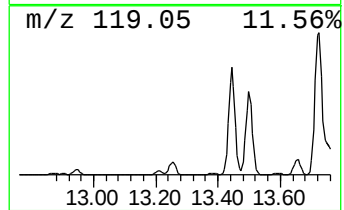
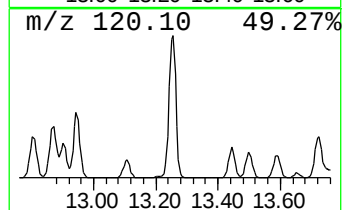
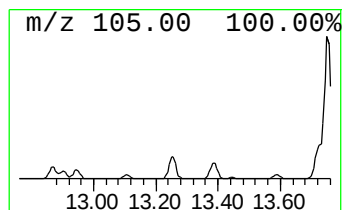
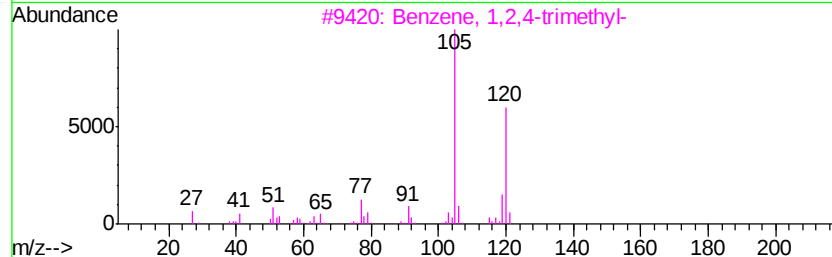
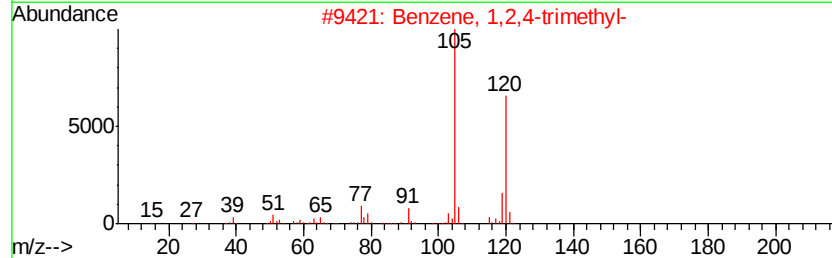
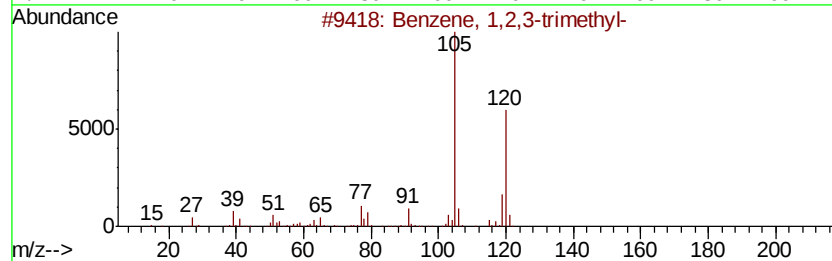
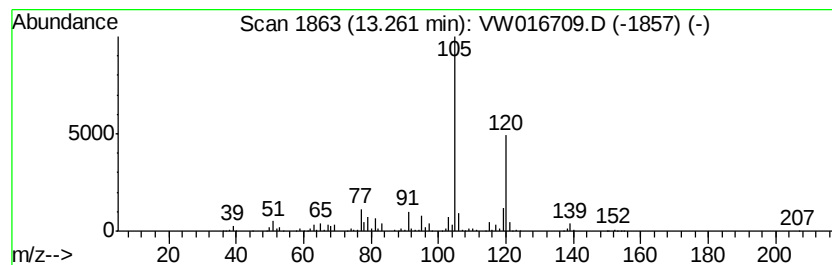
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Quant Title : VOC Analysis

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

Peak Number 40 Benzene, 1,2,3-trimethyl- Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	14.75 ug/L	1911630	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
3		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
4		Mesitylene	120	C9H12	000108-67-8	94
5		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
Data File : VW016709.D
Acq On : 30 Sep 2020 13:17
Operator : SY/VA
Sample : L4171-15
Misc : 6.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3Y5

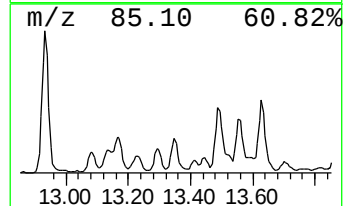
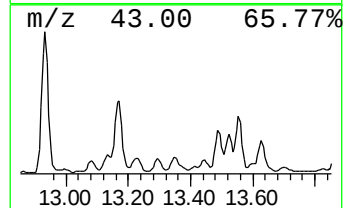
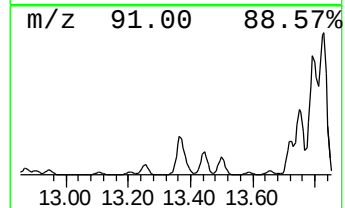
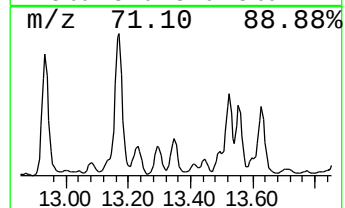
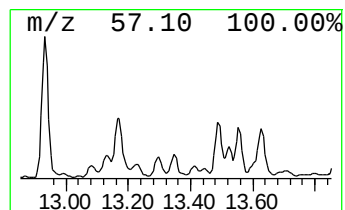
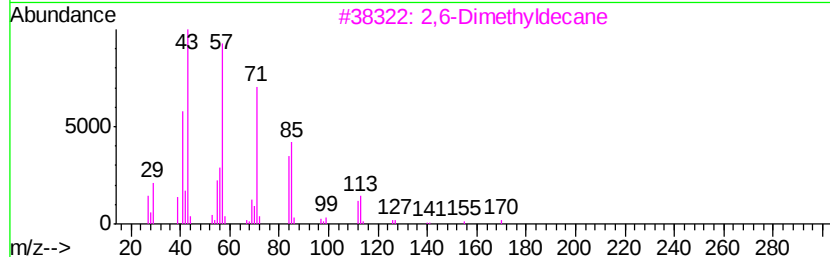
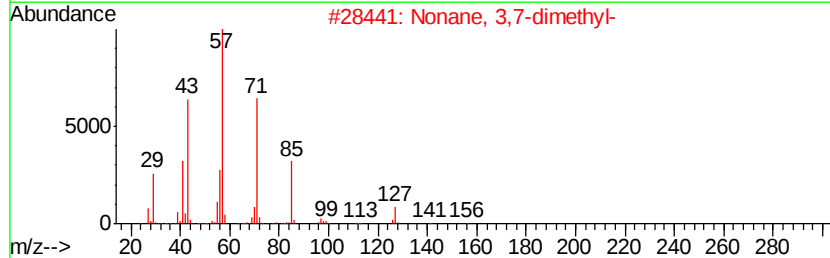
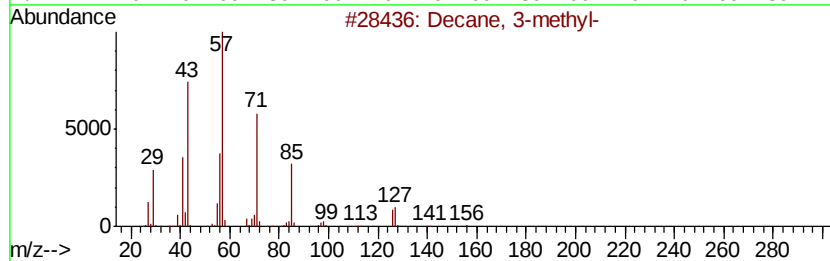
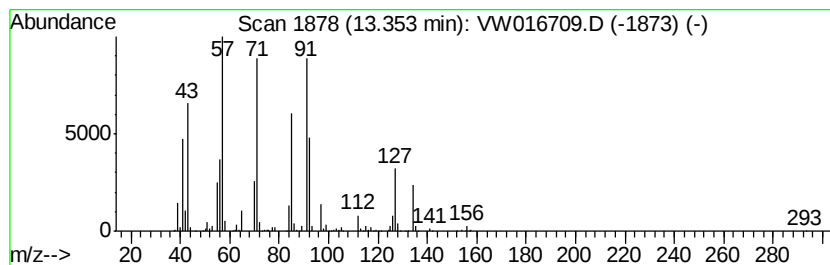
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Quant Title : VOC Analysis

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

Peak Number 41 (DEL) Alkane: Straight-Chai... Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.35	10.55 ug/L	1367280	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 3-methyl-	156	C11H24	013151-34-3	83
2		Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	64
3		2,6-Dimethyldecane	170	C12H26	013150-81-7	59
4		Decane, 5-propyl-	184	C13H28	017312-62-8	53
5		Nonane, 5-butyl-	184	C13H28	017312-63-9	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
Data File : VW016709.D
Acq On : 30 Sep 2020 13:17
Operator : SY/VA
Sample : L4171-15
Misc : 6.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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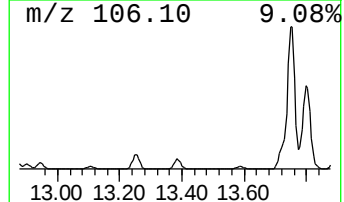
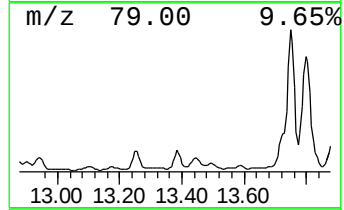
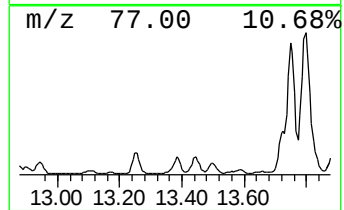
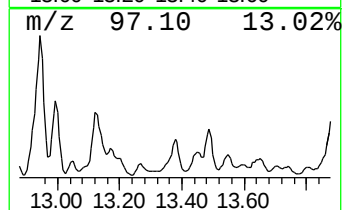
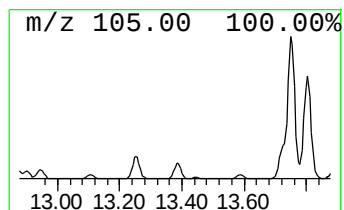
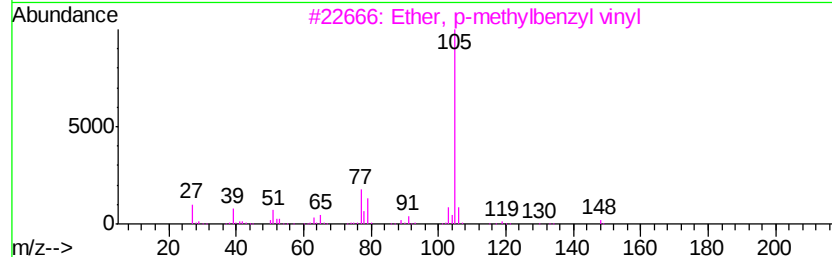
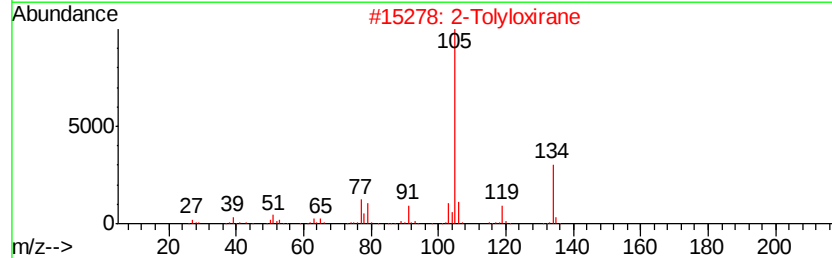
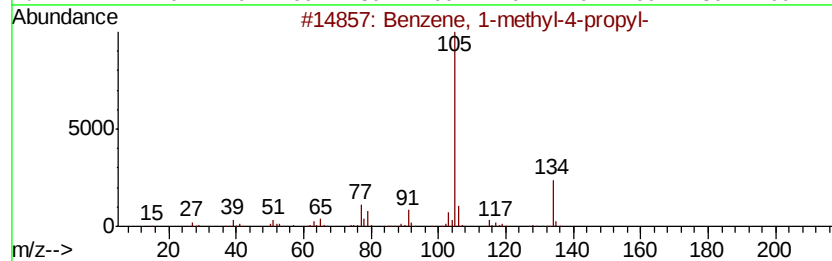
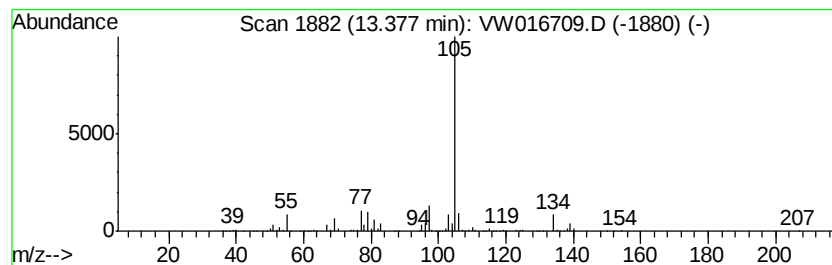
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Quant Title : VOC Analysis

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

Peak Number 42 Benzene, 1-methyl-4-propyl- Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	9.85 ug/L	1277280	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	64
2		2-Tolyloxirane	134	C9H10O	002783-26-8	64
3		Ether, p-methylbenzyl vinyl	148	C10H12O	026437-10-5	53
4		Benzene, (1,3-dimethyl-3-butenyl)-	160	C12H16	056851-51-5	53
5		Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
Data File : VW016709.D
Acq On : 30 Sep 2020 13:17
Operator : SY/VA
Sample : L4171-15
Misc : 6.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3Y5

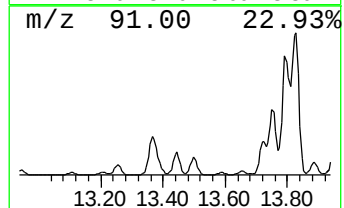
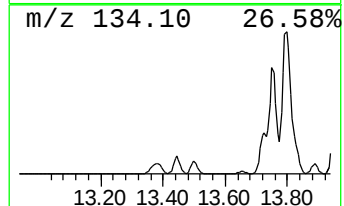
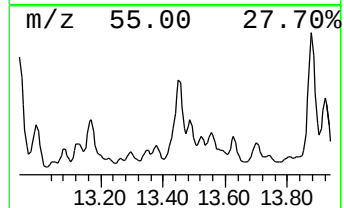
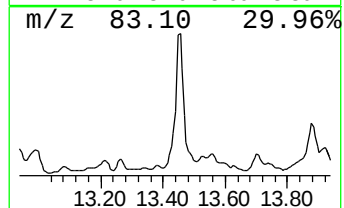
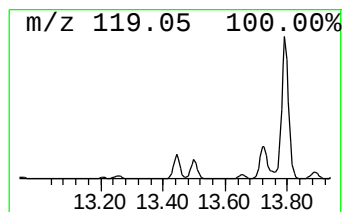
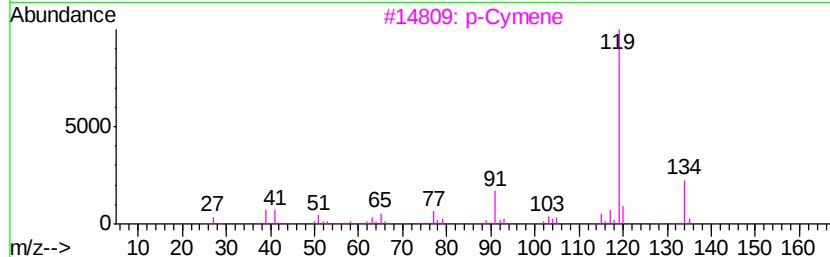
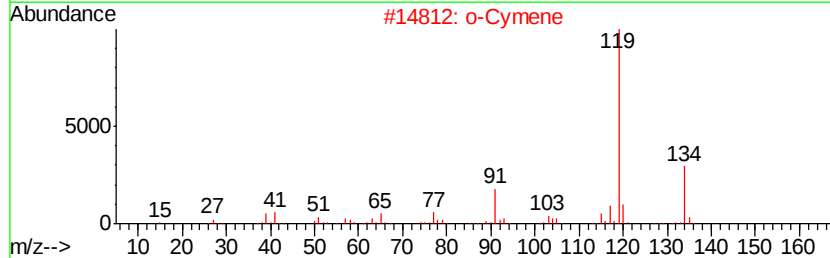
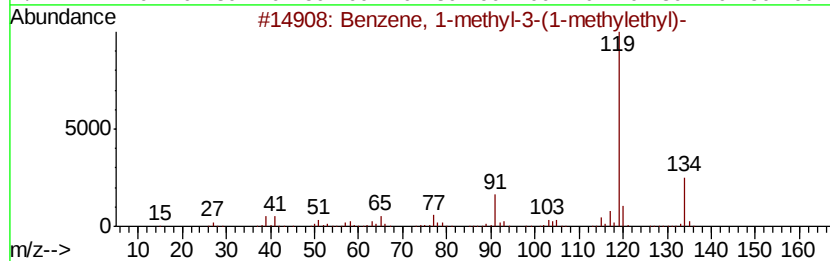
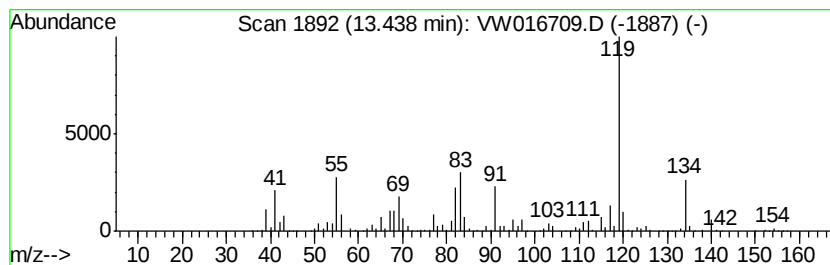
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Quant Title : VOC Analysis

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

Peak Number 43 Benzene, 1-methyl-3-(1-meth... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.44	42.65 ug/L	5528640	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	92
2		o-Cymene	134	C10H14	000527-84-4	92
3		p-Cymene	134	C10H14	000099-87-6	92
4		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
5		o-Cymene	134	C10H14	000527-84-4	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
Data File : VW016709.D
Acq On : 30 Sep 2020 13:17
Operator : SY/VA
Sample : L4171-15
Misc : 6.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3Y5

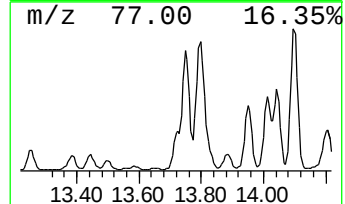
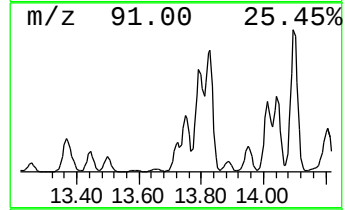
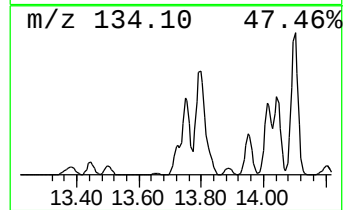
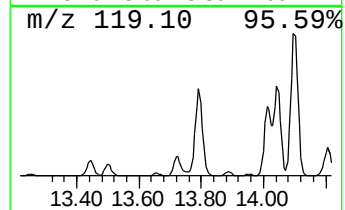
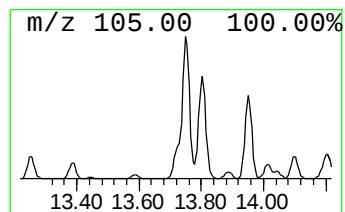
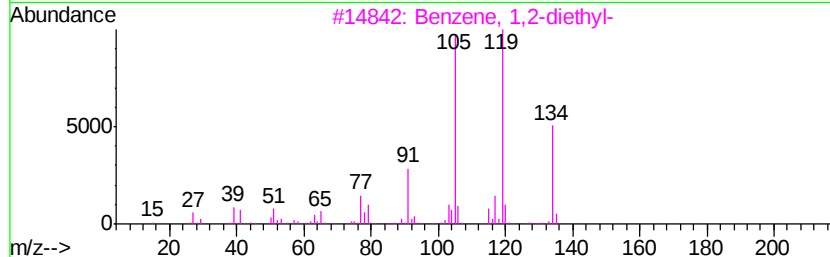
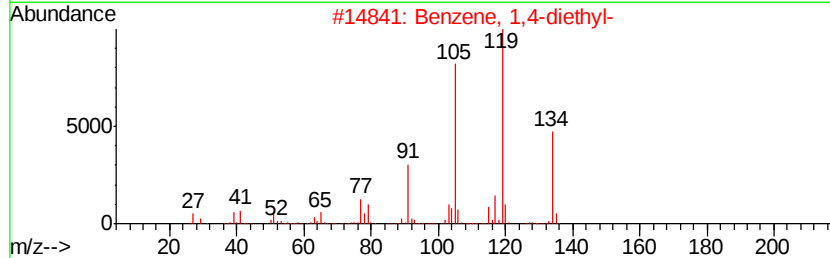
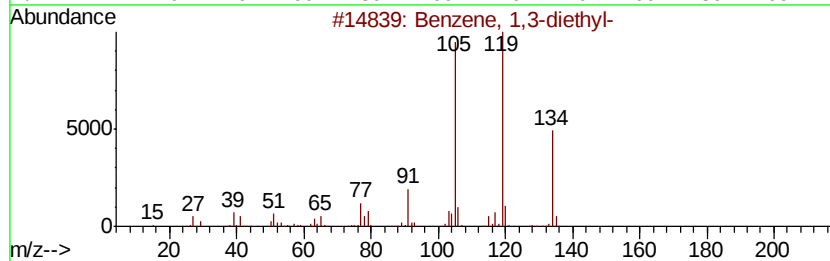
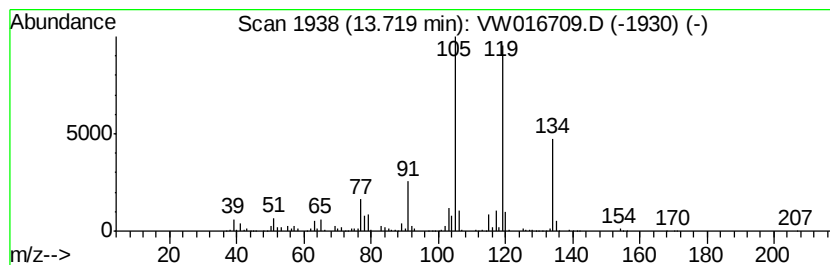
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Quant Title : VOC Analysis

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

Peak Number 44 Benzene, 1,3-diethyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	47.50 ug/L	6156830	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	96
2		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	95
3		Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	94
4		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	94
5		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
Data File : VW016709.D
Acq On : 30 Sep 2020 13:17
Operator : SY/VA
Sample : L4171-15
Misc : 6.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3Y5

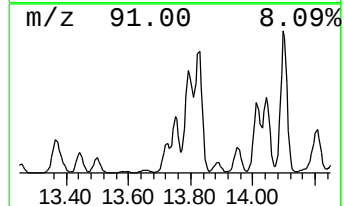
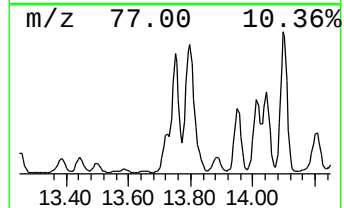
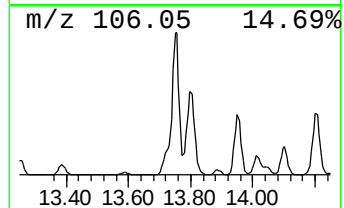
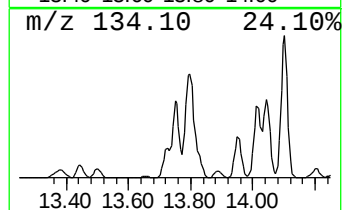
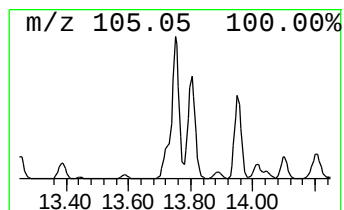
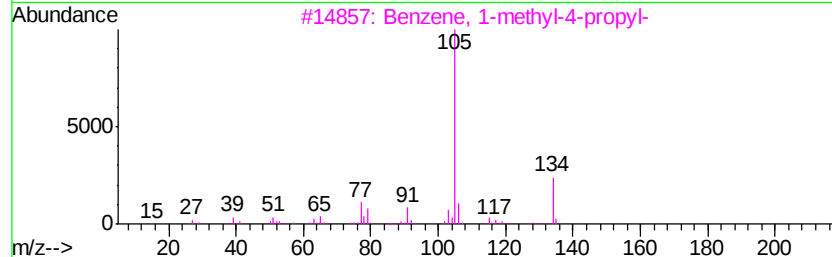
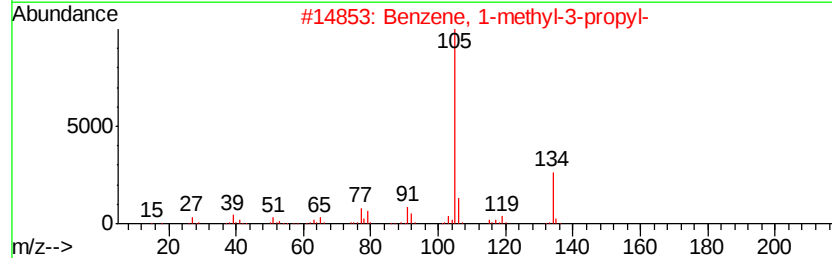
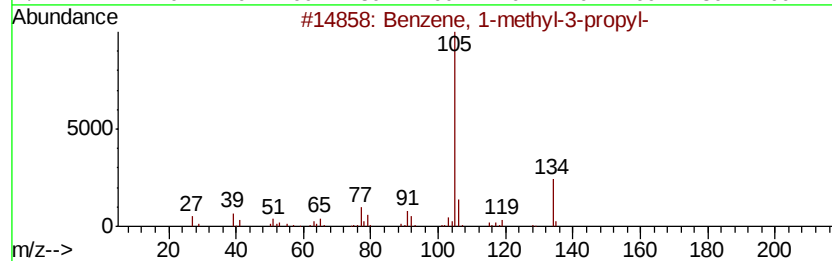
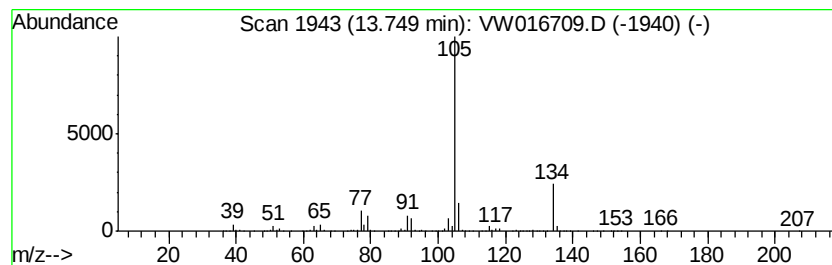
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Quant Title : VOC Analysis

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

Peak Number 45 Benzene, 1-methyl-3-propyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.75	104.56 ug/L	13553700	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	94
2		Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	91
3		Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	90
4		Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	90
5		Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
Data File : VW016709.D
Acq On : 30 Sep 2020 13:17
Operator : SY/VA
Sample : L4171-15
Misc : 6.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3Y5

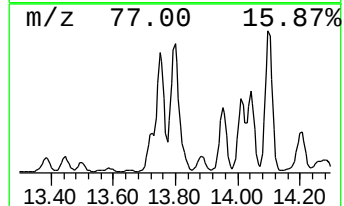
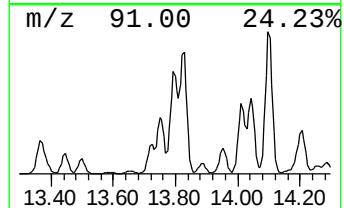
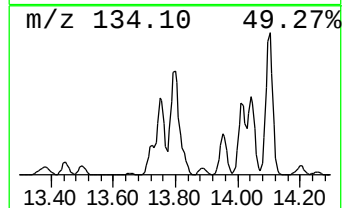
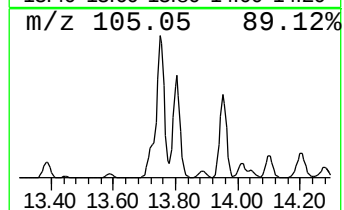
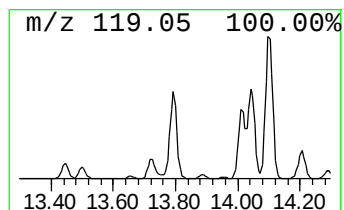
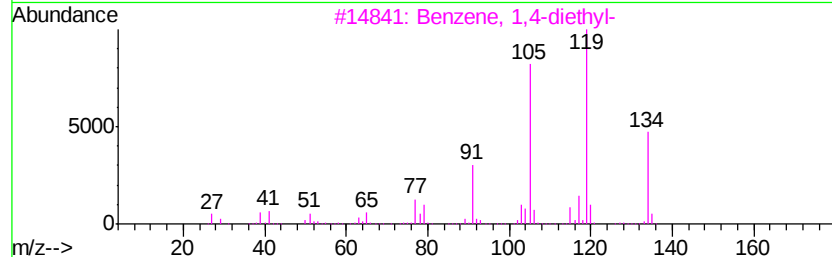
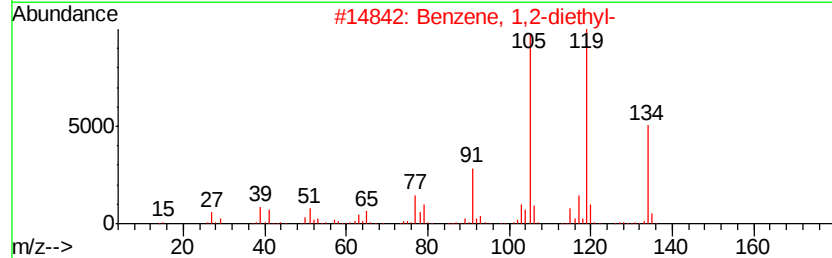
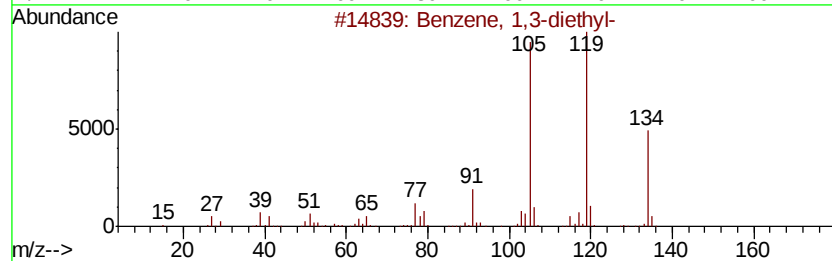
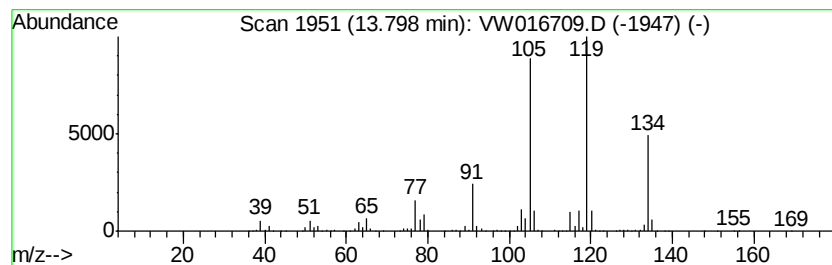
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Quant Title : VOC Analysis

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

Peak Number 46 Benzene, 1,2-diethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.80	174.85 ug/L	22665700	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	96
2		Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
3		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	95
4		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	95
5		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
Data File : VW016709.D
Acq On : 30 Sep 2020 13:17
Operator : SY/VA
Sample : L4171-15
Misc : 6.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3Y5

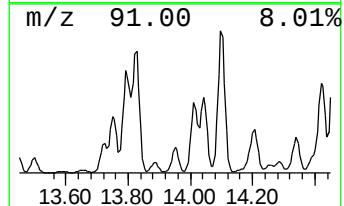
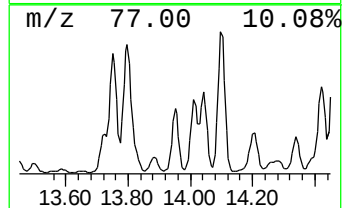
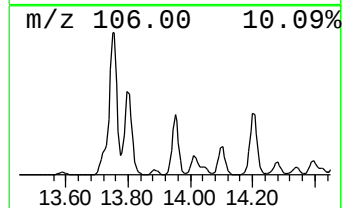
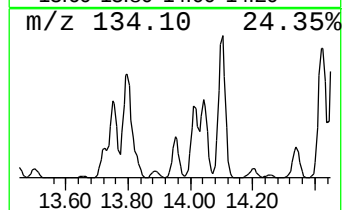
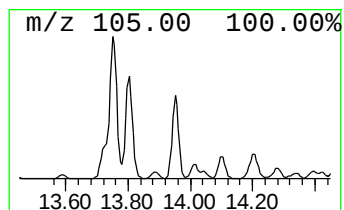
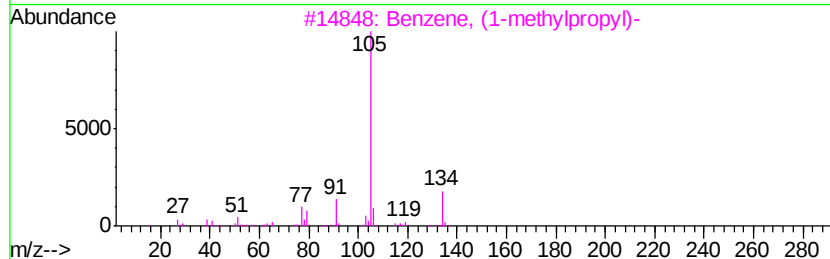
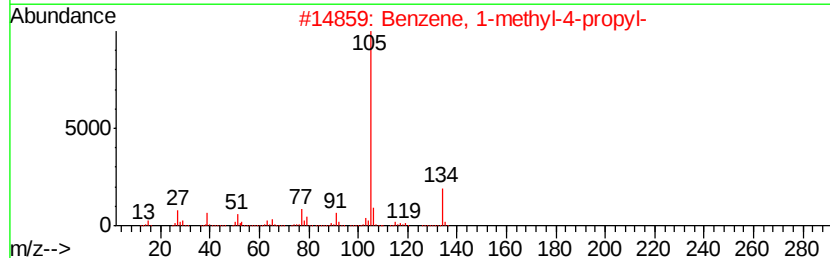
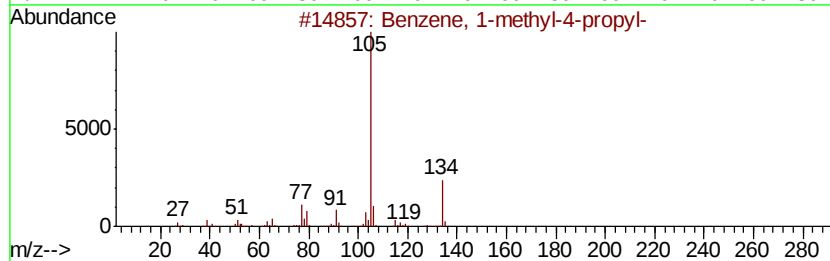
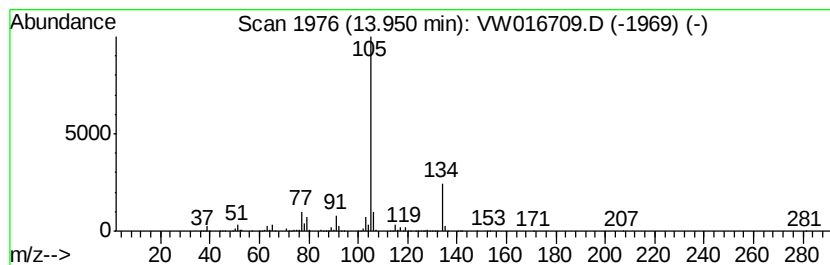
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Quant Title : VOC Analysis

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

Peak Number 47 Benzene, (1-methylpropyl)- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	56.36 ug/L	7305560	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	95
2		Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
3		Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	91
4		Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	91
5		Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
Data File : VW016709.D
Acq On : 30 Sep 2020 13:17
Operator : SY/VA
Sample : L4171-15
Misc : 6.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3Y5

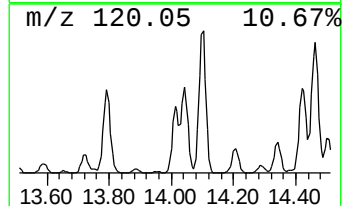
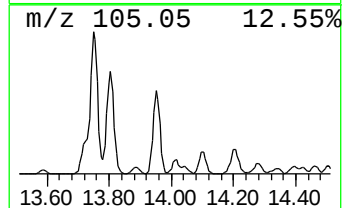
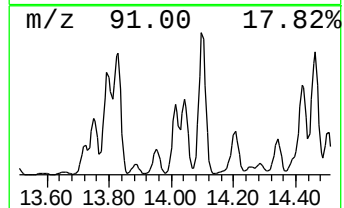
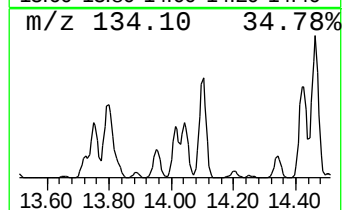
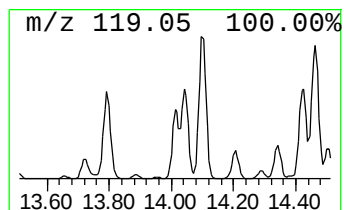
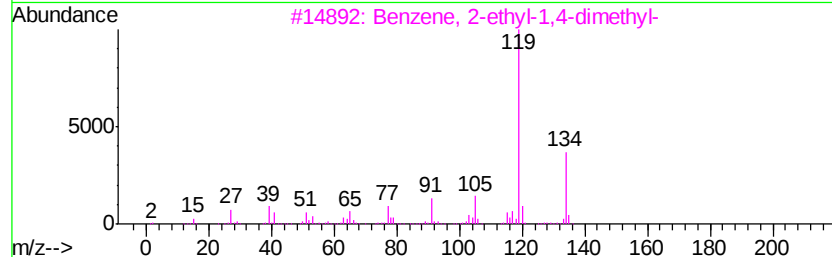
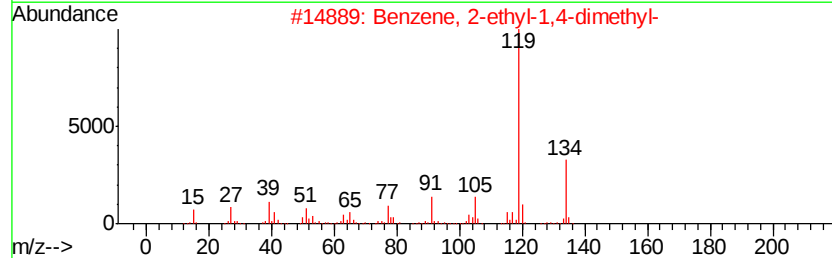
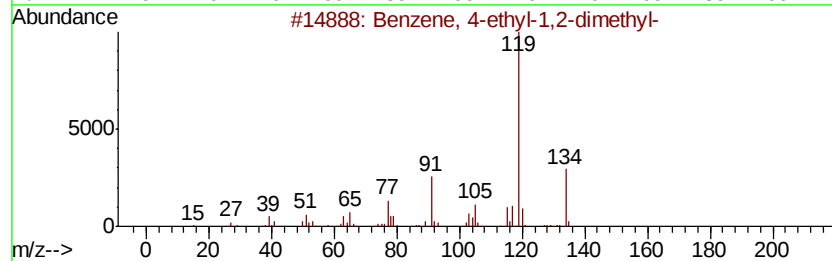
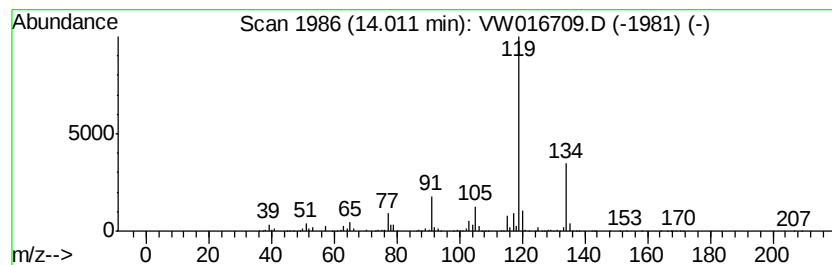
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Quant Title : VOC Analysis

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

Peak Number 48 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.01	99.46 ug/L	12893700	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
2		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
4		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
5		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
Data File : VW016709.D
Acq On : 30 Sep 2020 13:17
Operator : SY/VA
Sample : L4171-15
Misc : 6.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3Y5

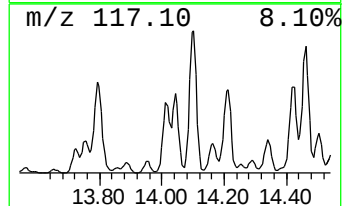
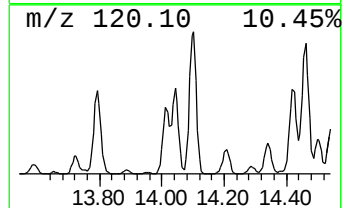
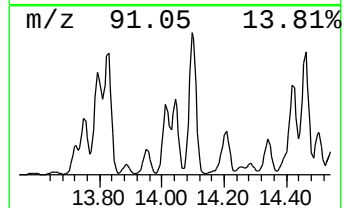
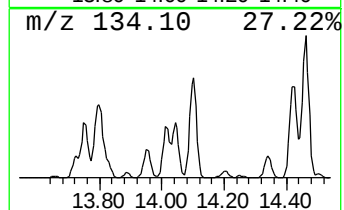
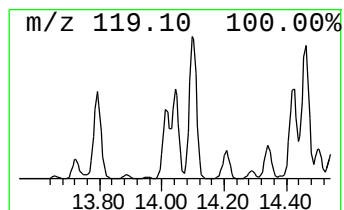
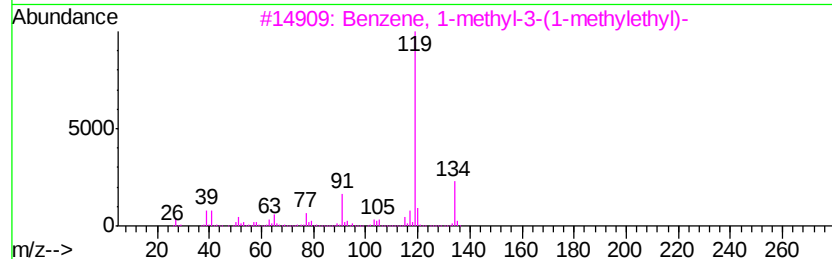
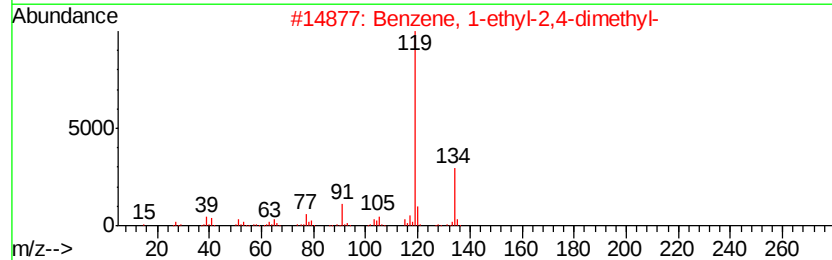
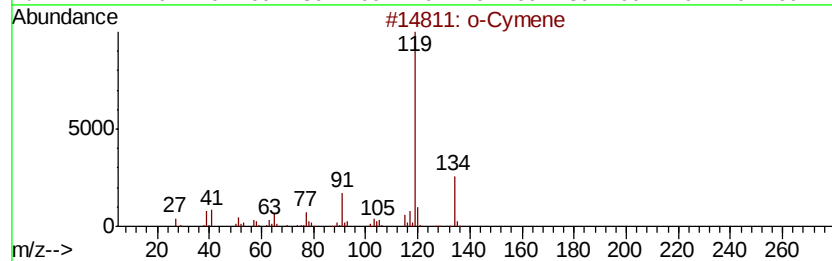
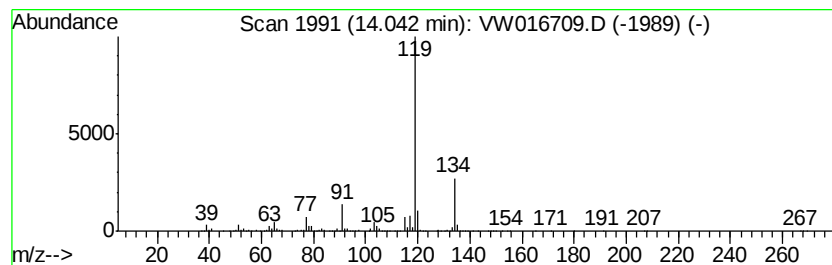
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Quant Title : VOC Analysis

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

Peak Number 49 o-Cymene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.04	89.20 ug/L	11563100	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		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
3		Benzene, 1-methyl-3-(1-methylethyl)-	134	C10H14	000535-77-3	94
4		Benzene, 1-methyl-3-(1-methylethyl)-	134	C10H14	000535-77-3	94
5		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
Data File : VW016709.D
Acq On : 30 Sep 2020 13:17
Operator : SY/VA
Sample : L4171-15
Misc : 6.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3Y5

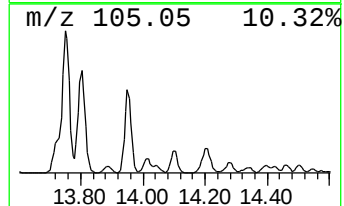
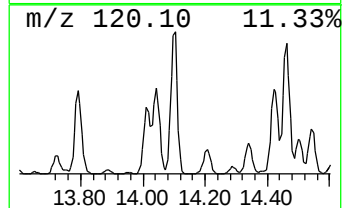
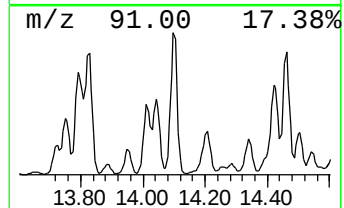
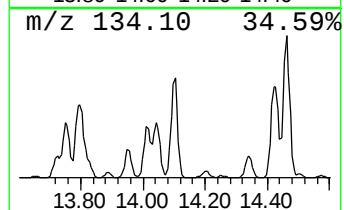
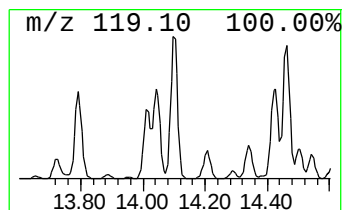
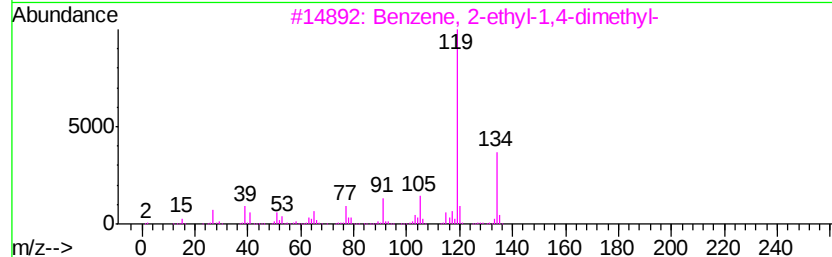
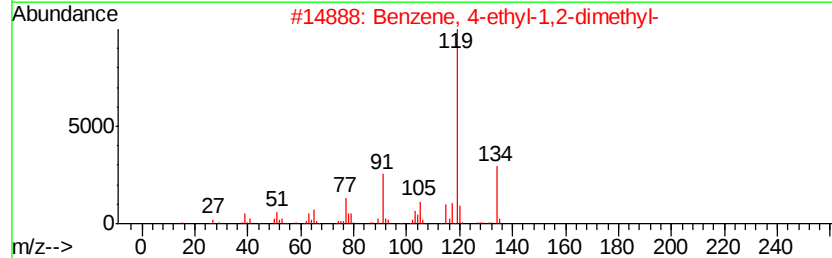
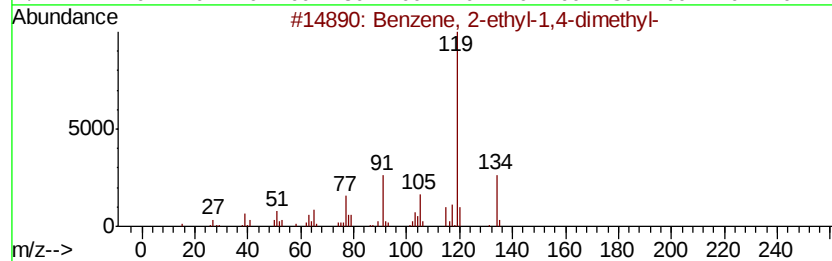
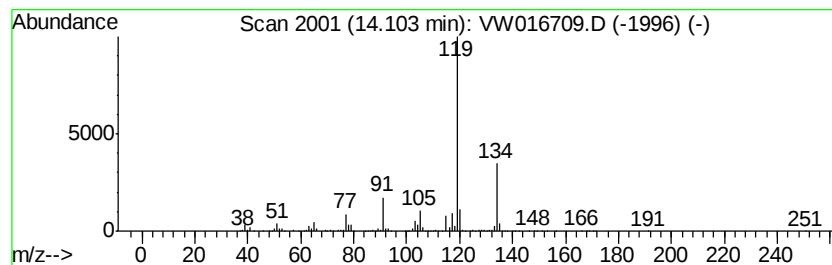
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Quant Title : VOC Analysis

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

Peak Number 50 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	170.23 ug/L	22066700	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
3		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
4		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
5		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
Data File : VW016709.D
Acq On : 30 Sep 2020 13:17
Operator : SY/VA
Sample : L4171-15
Misc : 6.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3Y5

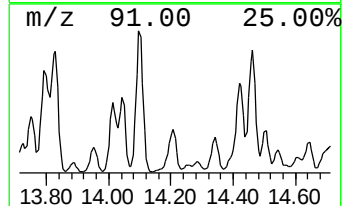
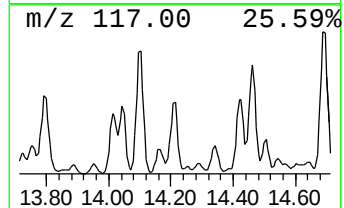
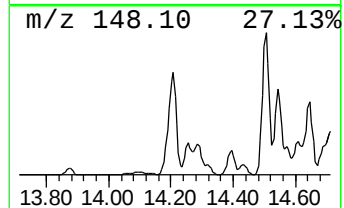
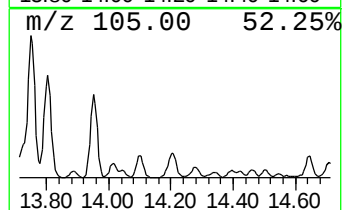
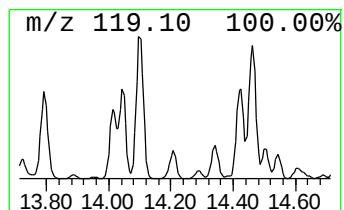
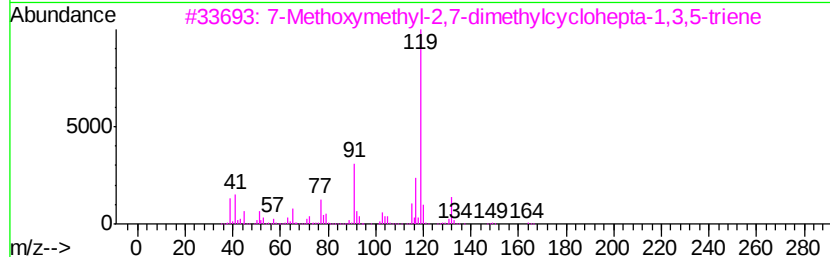
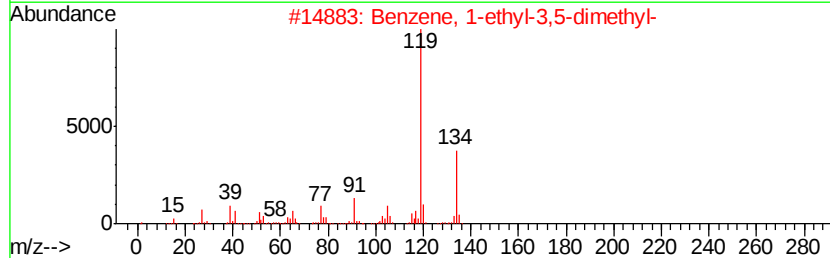
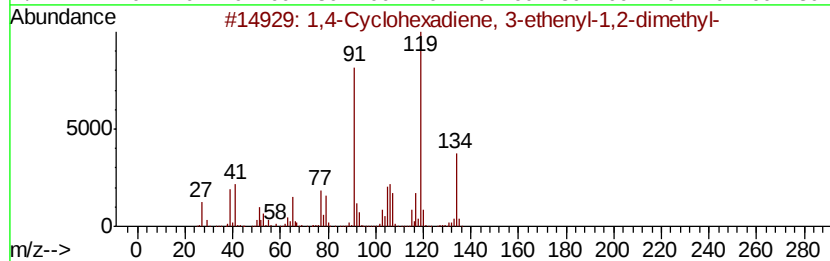
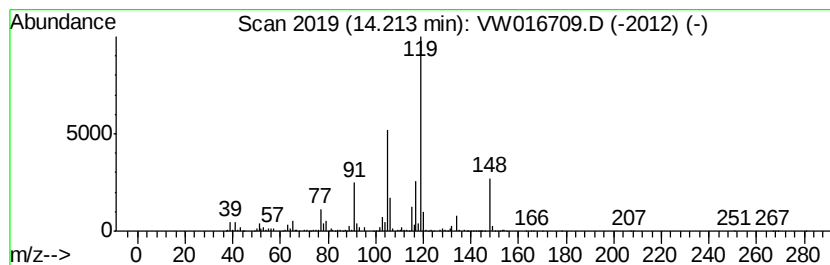
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Quant Title : VOC Analysis

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

Peak Number 51 1,4-Cyclohexadiene, 3-ethen... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	58.77 ug/L	7618820	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,4-Cyclohexadiene, 3-ethenyl-1,...	134	C10H14	062338-57-2	87
2		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	70
3		7-Methoxymethyl-2,7-dimethylcyclo...	164	C11H16O	073992-48-0	64
4		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	64
5		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
Data File : VW016709.D
Acq On : 30 Sep 2020 13:17
Operator : SY/VA
Sample : L4171-15
Misc : 6.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3Y5

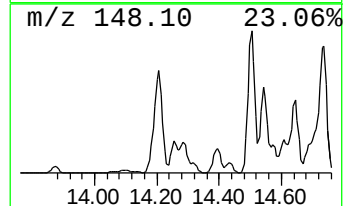
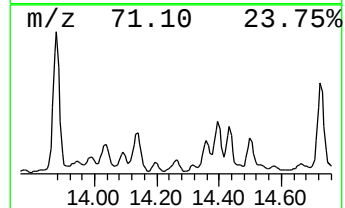
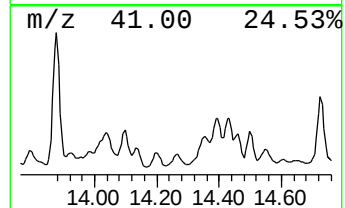
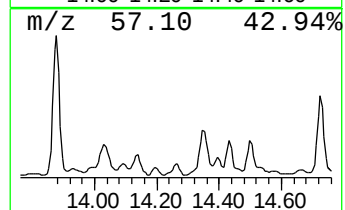
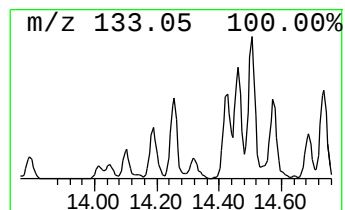
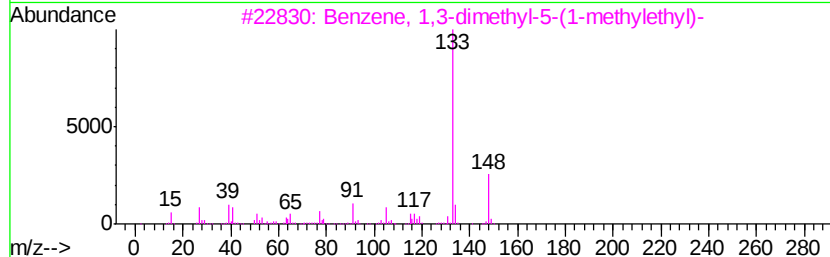
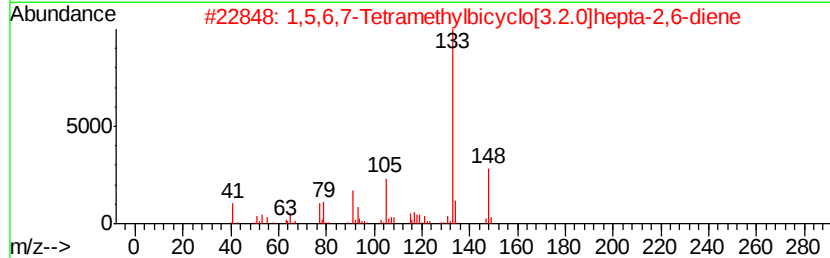
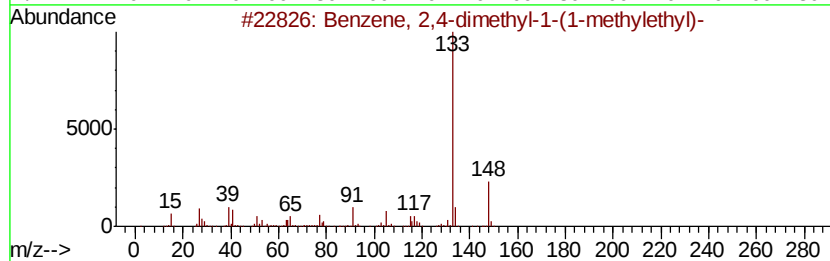
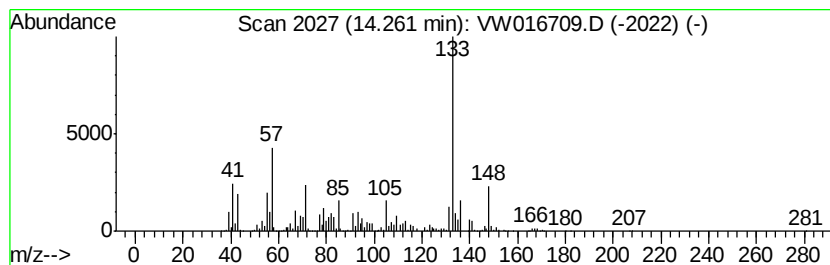
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Quant Title : VOC Analysis

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

Peak Number 52 Benzene, 2,4-dimethyl-1-(1-... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.26	28.14 ug/L	3648160	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2,4-dimethyl-1-(1-methyl-...	148	C11H16	004706-89-2	52
2		1,5,6,7-Tetramethylbicyclo[3.2.0]hepta-2,6-diene	148	C11H16	134329-46-7	52
3		Benzene, 1,3-dimethyl-5-(1-methyl-...	148	C11H16	004706-90-5	52
4		Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	52
5		3,4-Dimethylcumene	148	C11H16	1000370-34-1	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
Data File : VW016709.D
Acq On : 30 Sep 2020 13:17
Operator : SY/VA
Sample : L4171-15
Misc : 6.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3Y5

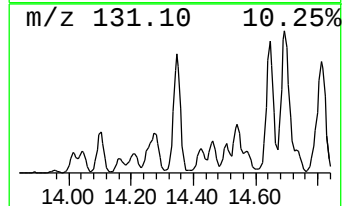
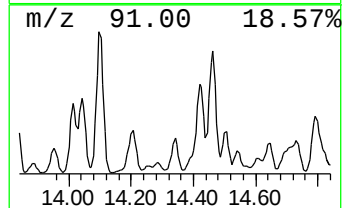
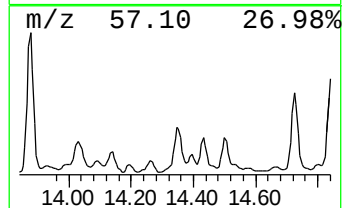
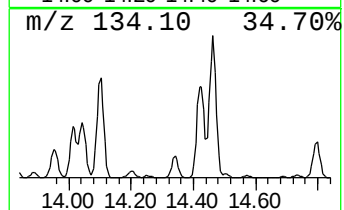
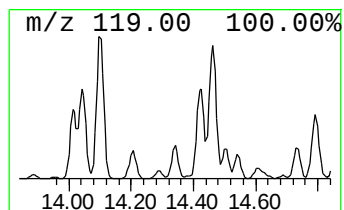
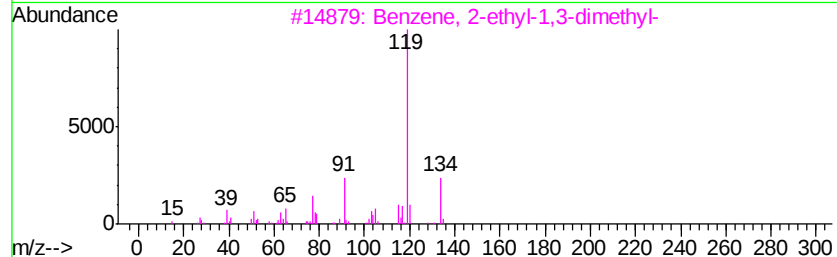
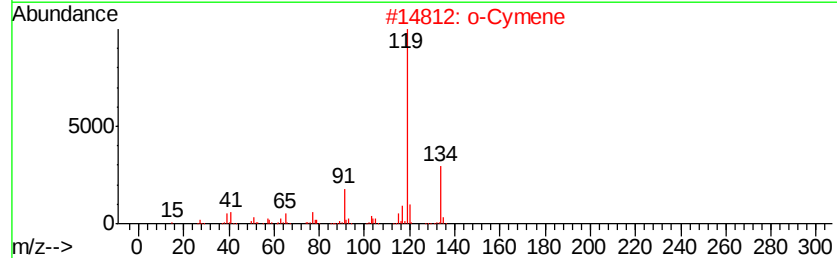
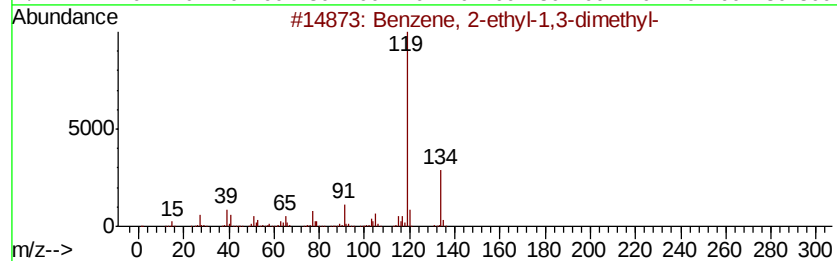
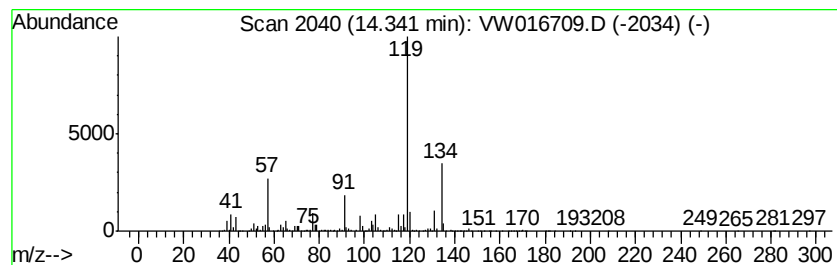
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Quant Title : VOC Analysis

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

Peak Number 53 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.34	67.93 ug/L	8806180	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
2		o-Cymene	134	C10H14	000527-84-4	94
3		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
4		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93
5		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
Data File : VW016709.D
Acq On : 30 Sep 2020 13:17
Operator : SY/VA
Sample : L4171-15
Misc : 6.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3Y5

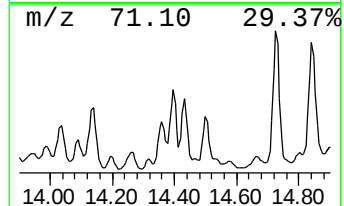
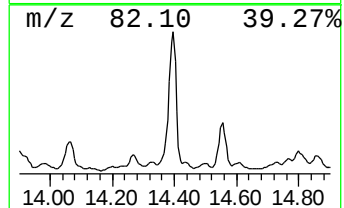
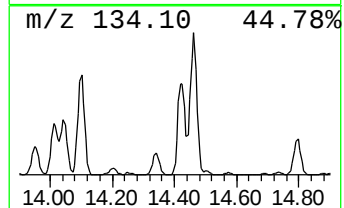
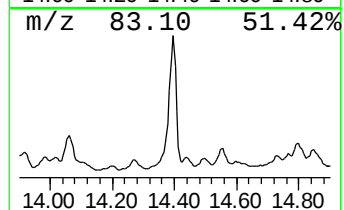
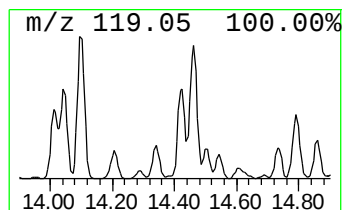
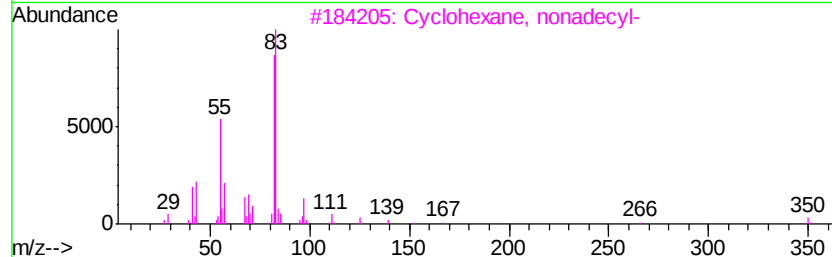
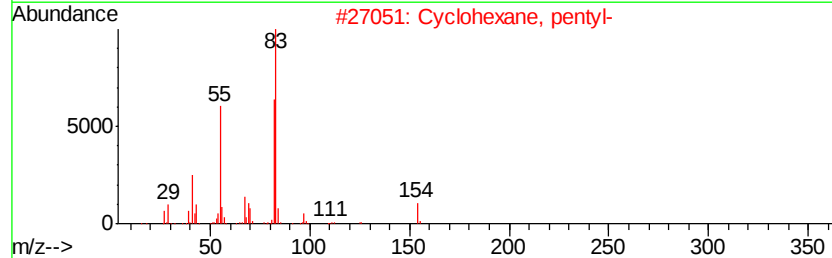
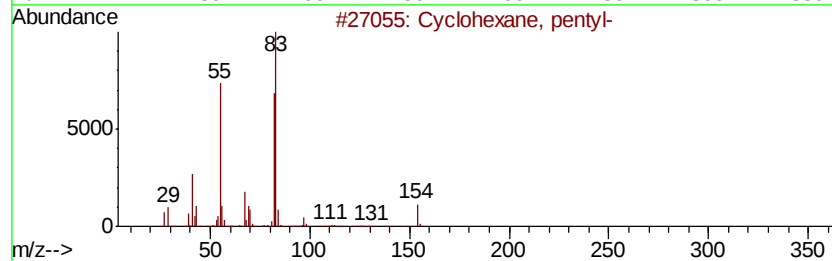
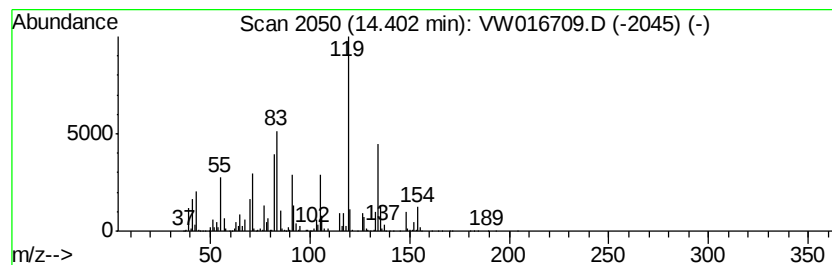
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Quant Title : VOC Analysis

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

Peak Number 54 (DEL) Alkane: Cyclic14.40 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.40	51.00 ug/L	6611160	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, pentyl-	154	C11H22	004292-92-6	46
2		Cyclohexane, pentyl-	154	C11H22	004292-92-6	43
3		Cyclohexane, nonadecyl-	350	C25H50	022349-03-7	38
4		Cyclohexane, propyl-	126	C9H18	001678-92-8	35
5		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
Data File : VW016709.D
Acq On : 30 Sep 2020 13:17
Operator : SY/VA
Sample : L4171-15
Misc : 6.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3Y5

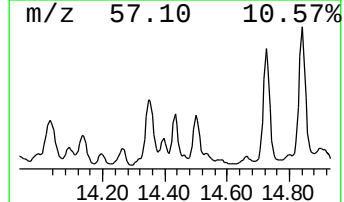
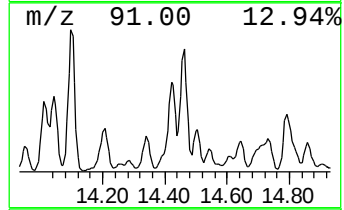
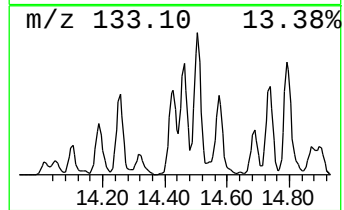
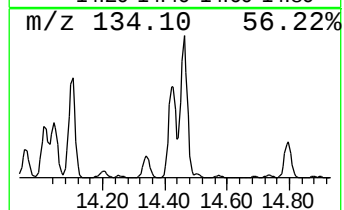
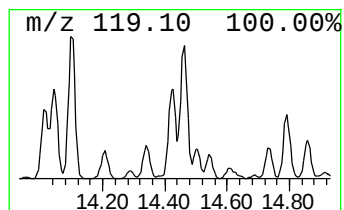
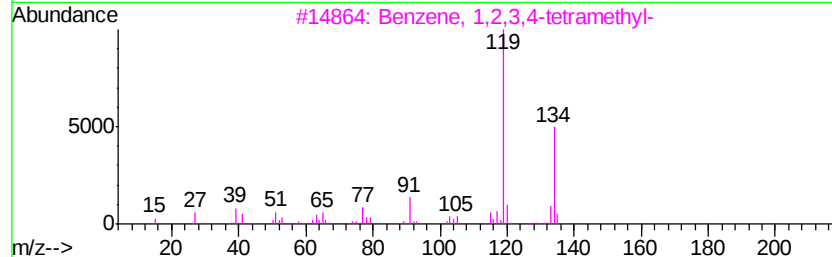
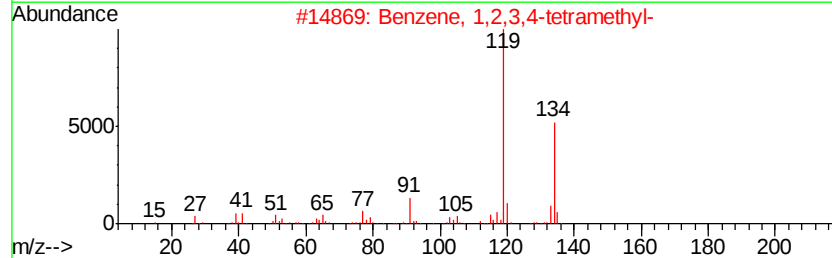
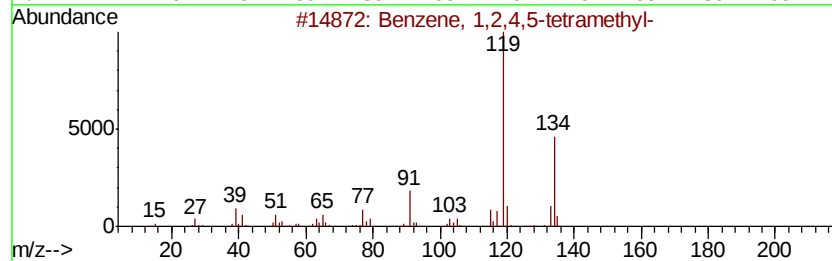
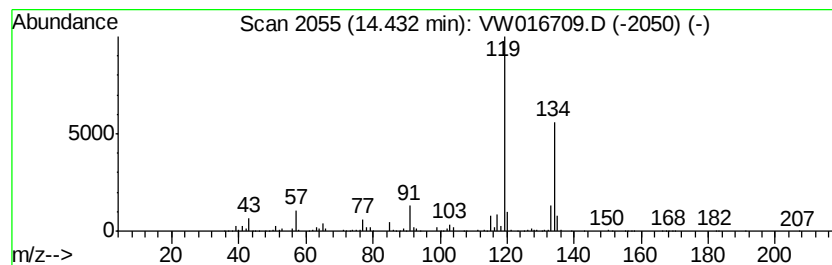
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Quant Title : VOC Analysis

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

Peak Number 55 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	158.84 ug/L	20590900	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	97
2		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
3		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
4		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
5		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
Data File : VW016709.D
Acq On : 30 Sep 2020 13:17
Operator : SY/VA
Sample : L4171-15
Misc : 6.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3Y5

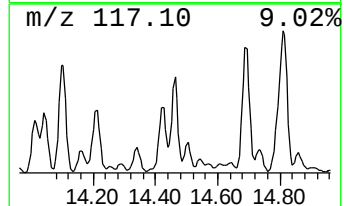
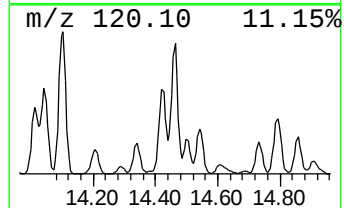
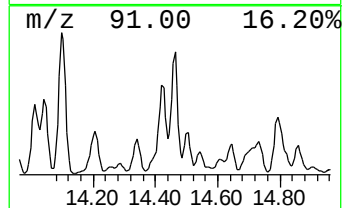
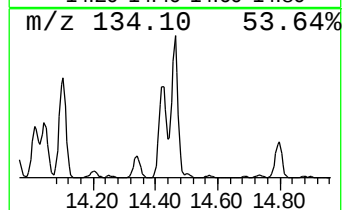
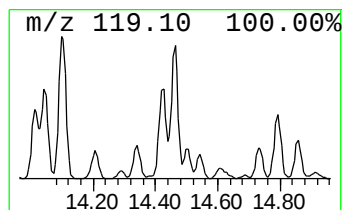
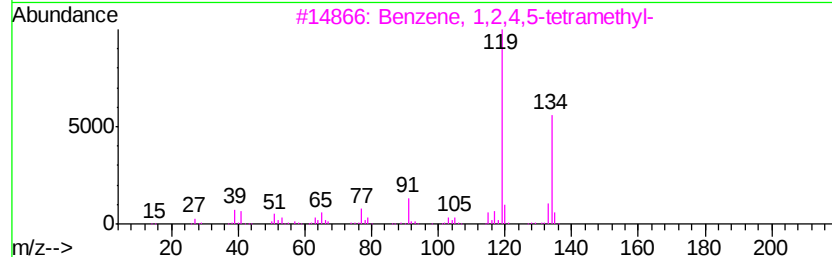
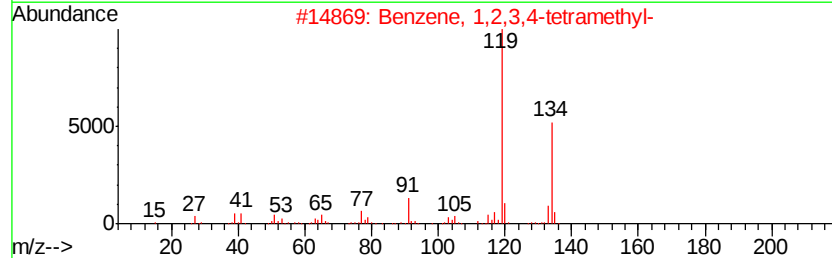
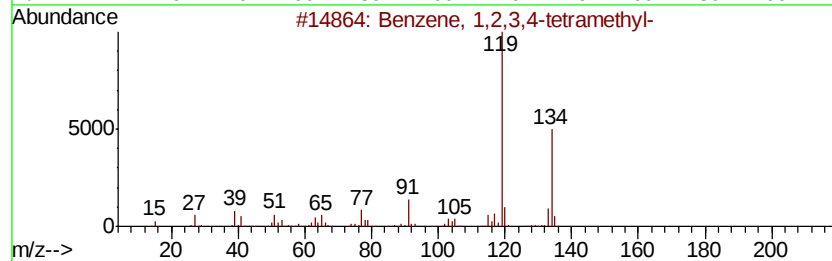
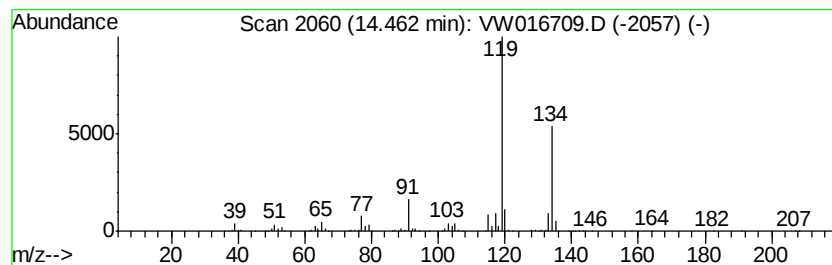
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Quant Title : VOC Analysis

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

Peak Number 56 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.46	163.97 ug/L	21255200	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
3		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
4		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
5		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
Data File : VW016709.D
Acq On : 30 Sep 2020 13:17
Operator : SY/VA
Sample : L4171-15
Misc : 6.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3Y5

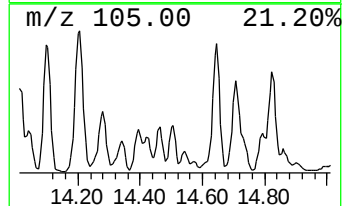
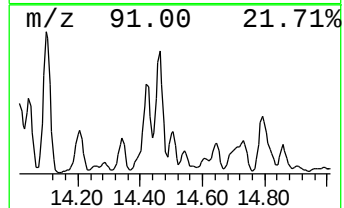
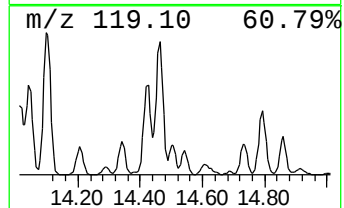
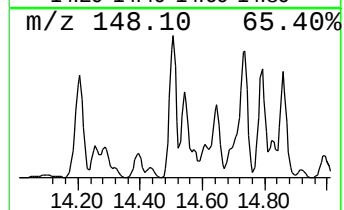
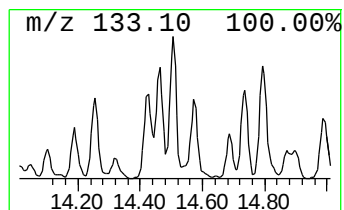
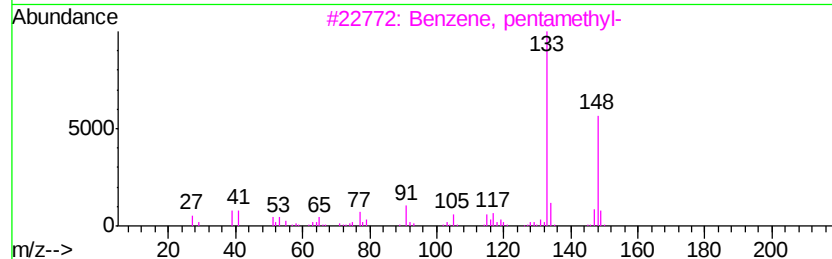
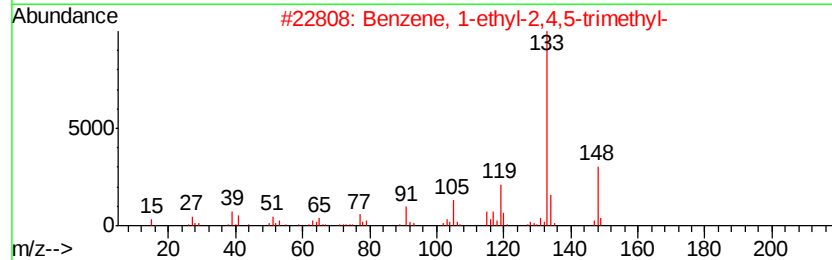
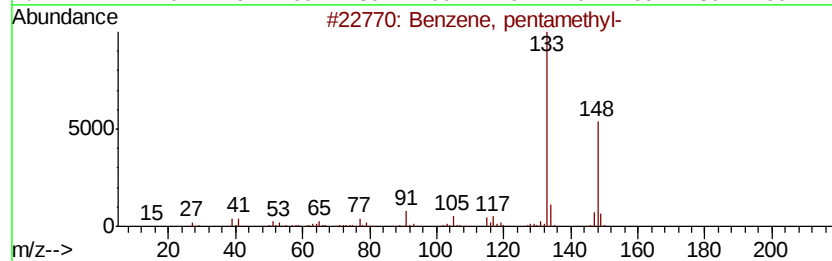
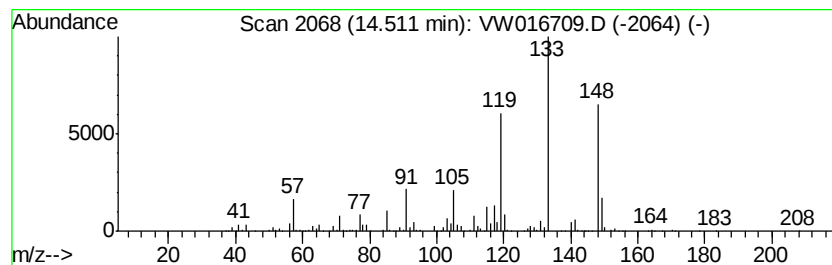
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Quant Title : VOC Analysis

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

Peak Number 57 Benzene, pentamethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.51	56.69 ug/L	7348170	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, pentamethyl-	148	C11H16	000700-12-9	60
2		Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	53
3		Benzene, pentamethyl-	148	C11H16	000700-12-9	50
4		Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	49
5		Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
Data File : VW016709.D
Acq On : 30 Sep 2020 13:17
Operator : SY/VA
Sample : L4171-15
Misc : 6.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3Y5

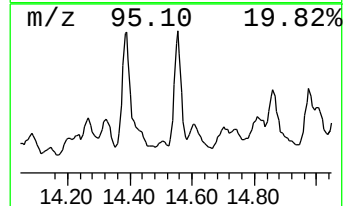
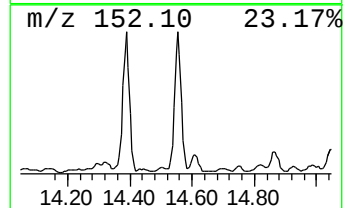
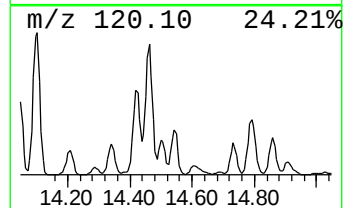
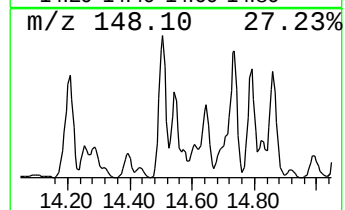
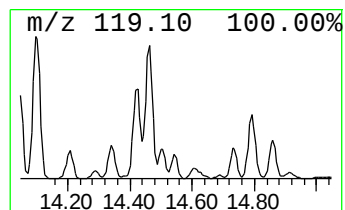
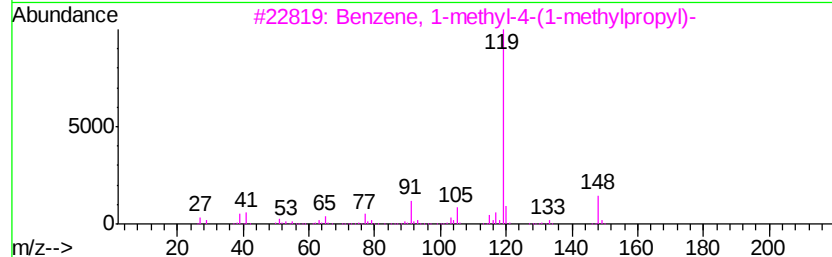
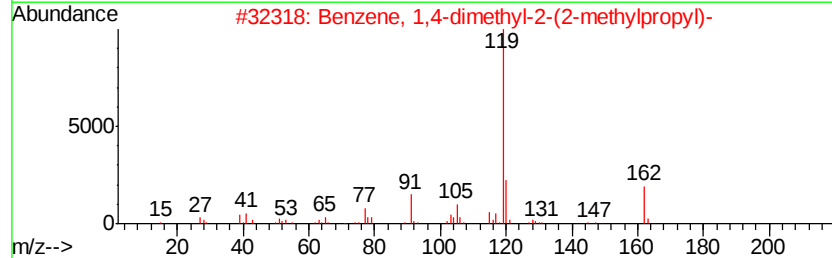
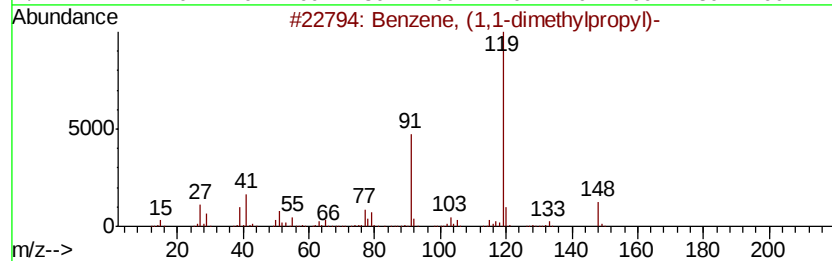
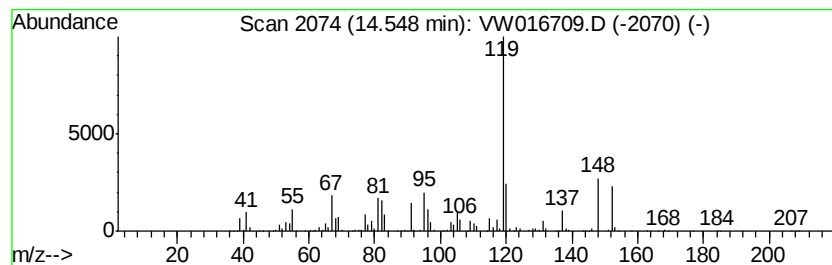
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Quant Title : VOC Analysis

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

Peak Number 58 unknown-02 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.55	42.39 ug/L	5495560	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	43
2		Benzene, 1,4-dimethyl-2-(2-methylpropyl)-	162	C12H18	055669-88-0	43
3		Benzene, 1-methyl-4-(1-methylpropyl)-	148	C11H16	001595-16-0	43
4		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	38
5		Benzene, 1,4-dimethyl-2-(2-methylpropyl)-	162	C12H18	055669-88-0	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
Data File : VW016709.D
Acq On : 30 Sep 2020 13:17
Operator : SY/VA
Sample : L4171-15
Misc : 6.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3Y5

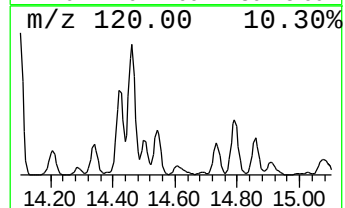
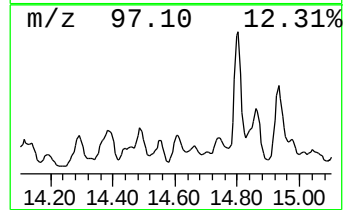
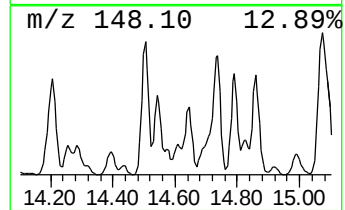
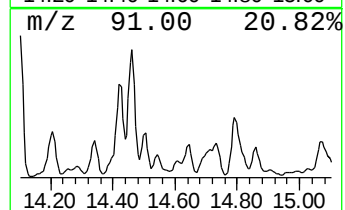
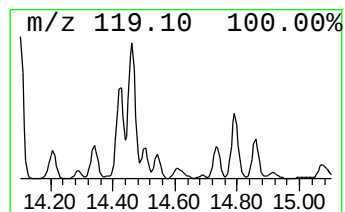
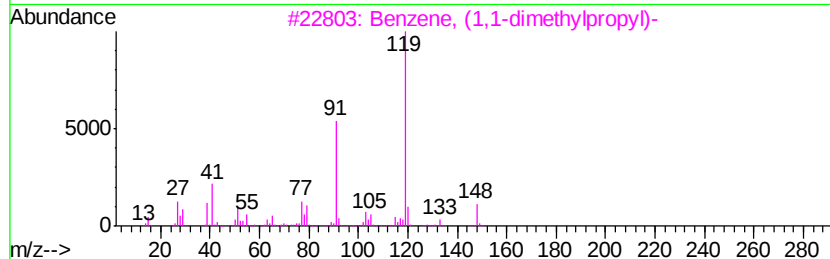
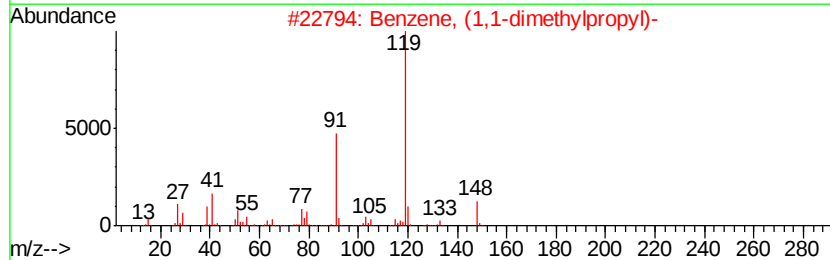
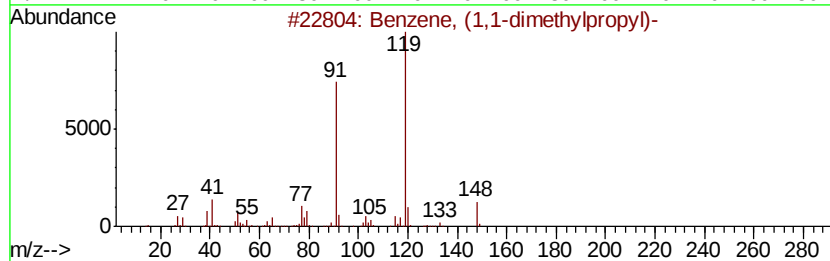
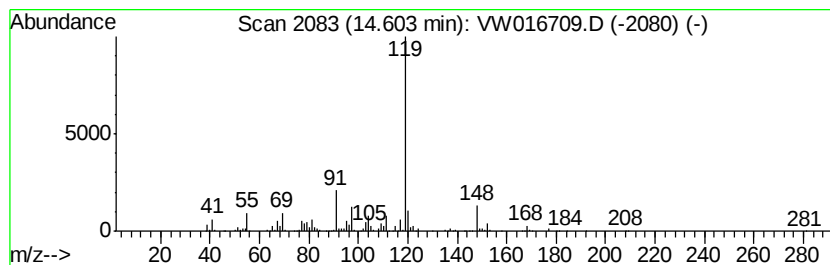
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Quant Title : VOC Analysis

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

Peak Number 59 Benzene, (1,1-dimethylpropyl)- Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.60	10.64 ug/L	1379670	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	64
2		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	64
3		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	59
4		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	59
5		Benzene, 1,1'-(1,1,2,2-tetrameth...	238	C18H22	001889-67-4	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
Data File : VW016709.D
Acq On : 30 Sep 2020 13:17
Operator : SY/VA
Sample : L4171-15
Misc : 6.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3Y5

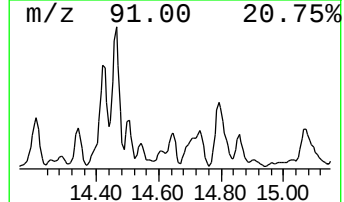
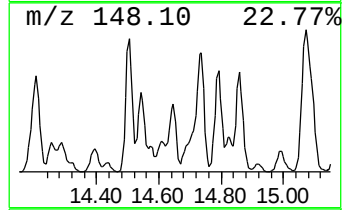
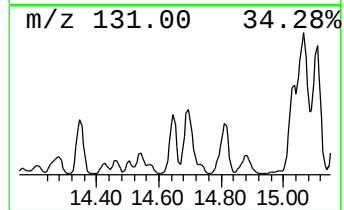
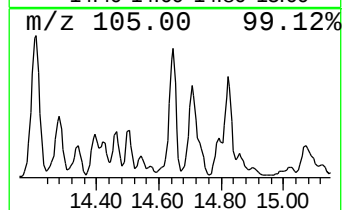
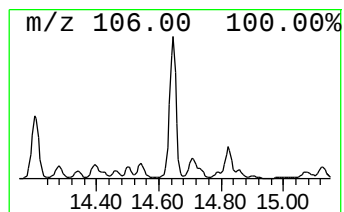
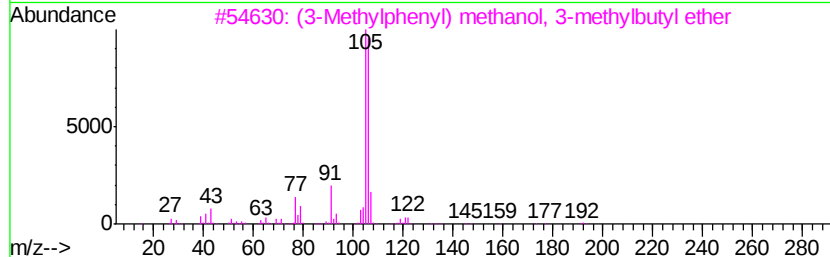
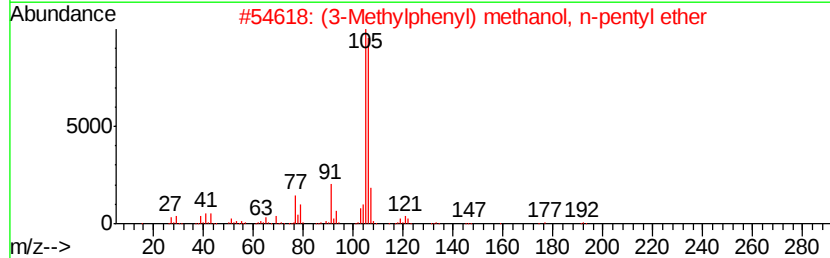
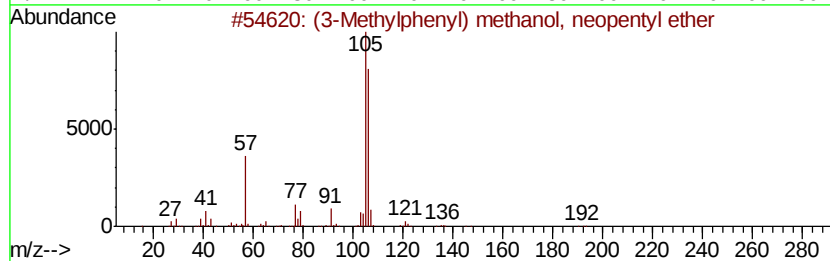
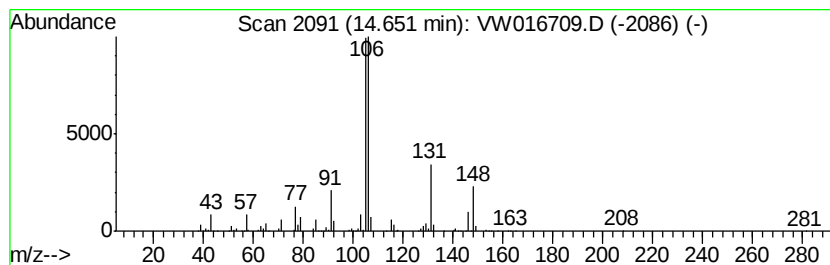
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Quant Title : VOC Analysis

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

Peak Number 60 (3-Methylphenyl) methanol, ... Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.65	25.28 ug/L	3276570	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(3-Methylphenyl) methanol, neope...	192	C13H20O	1000374-44-1	53
2		(3-Methylphenyl) methanol, n-pen...	192	C13H20O	1000374-44-0	50
3		(3-Methylphenyl) methanol, 3-met...	192	C13H20O	1000374-58-6	50
4		(3-Methylphenyl) methanol, n-but...	178	C12H18O	1000374-44-2	50
5		Benzenamine, N-propyl-	135	C9H13N	000622-80-0	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
Data File : VW016709.D
Acq On : 30 Sep 2020 13:17
Operator : SY/VA
Sample : L4171-15
Misc : 6.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3Y5

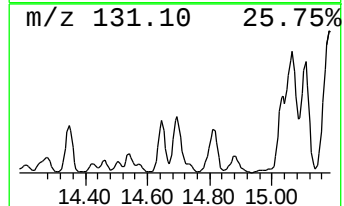
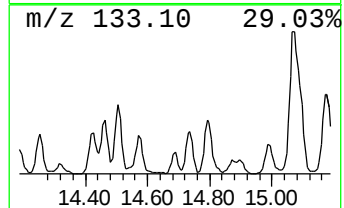
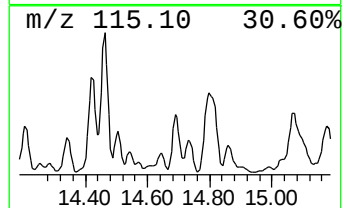
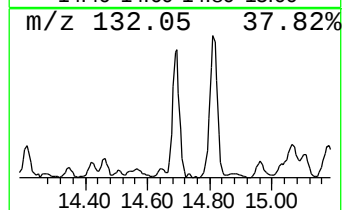
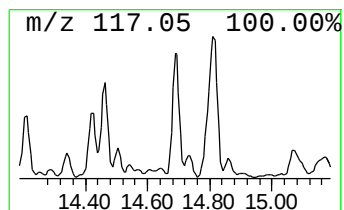
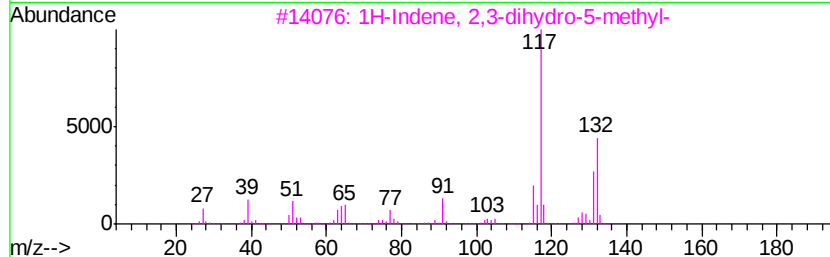
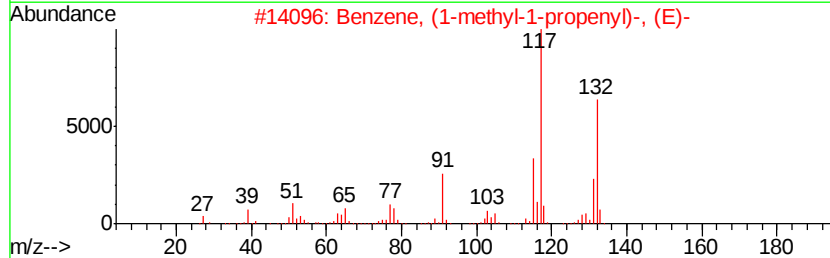
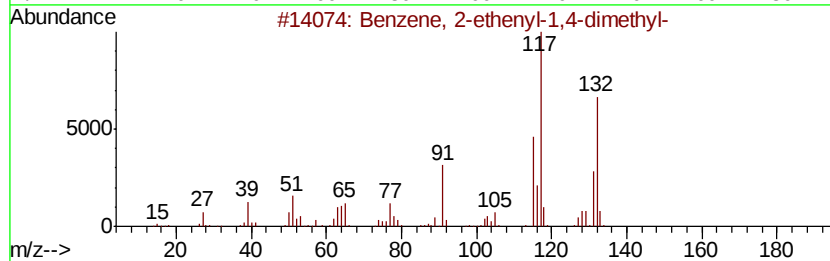
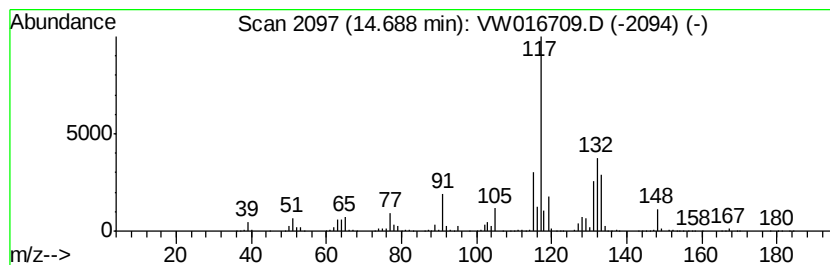
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Quant Title : VOC Analysis

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

Peak Number 61 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	28.01 ug/L	3631220	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	87
2		Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	70
3		1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	70
4		Benzene, 2-butenyl-	132	C10H12	001560-06-1	70
5		Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	70



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
Data File : VW016709.D
Acq On : 30 Sep 2020 13:17
Operator : SY/VA
Sample : L4171-15
Misc : 6.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3Y5

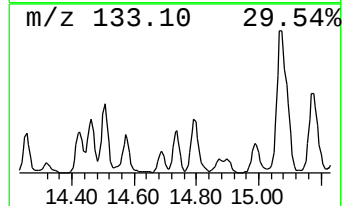
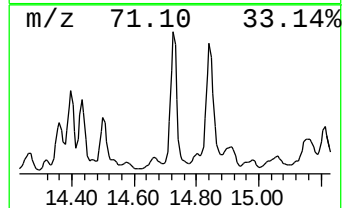
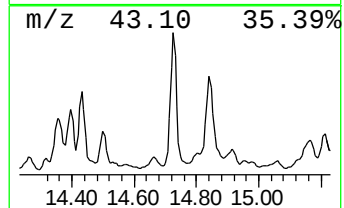
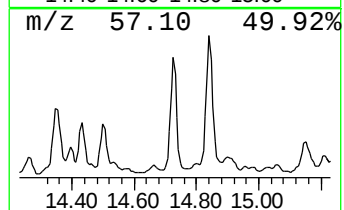
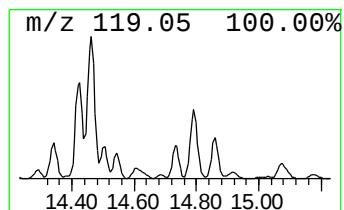
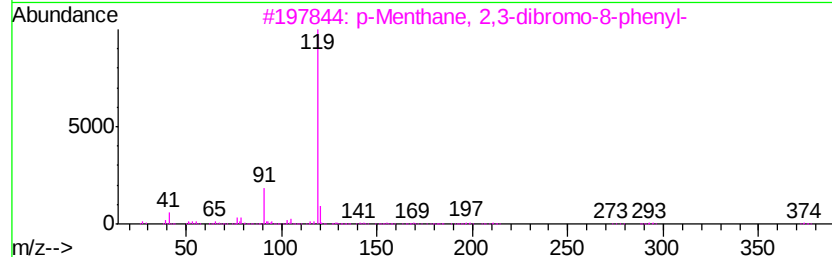
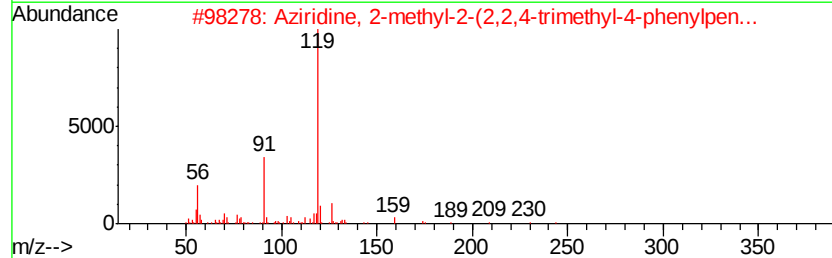
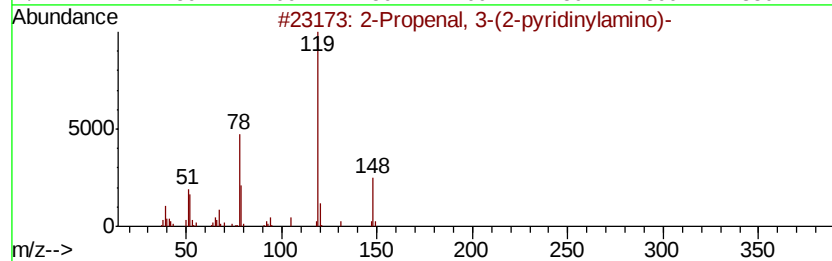
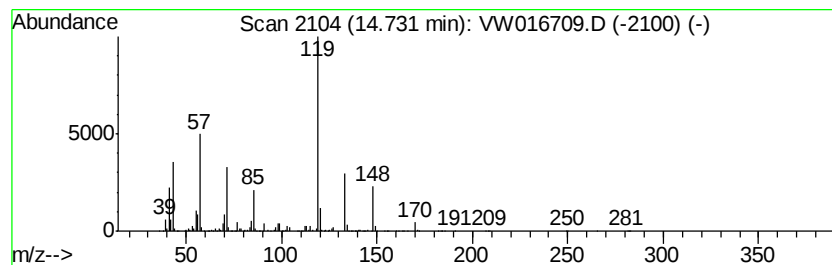
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Quant Title : VOC Analysis

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

Peak Number 62 unknown-03 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	81.69 ug/L	10589600	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Propenal, 3-(2-pyridinylamino)-	148	C8H8N2O	068970-82-1	37
2		Aziridine, 2-methyl-2-(2,2,4-tri...	245	C17H27N	1000293-28-5	35
3		p-Menthane, 2,3-dibromo-8-phenyl-	372	C16H22Br2	1000152-61-6	35
4		Benzene, 1,1'-(1,1,2,2-tetrameth...	238	C18H22	001889-67-4	25
5		Ethanone, 2-bromo-1-(4-methylphe...	212	C9H9BrO	000619-41-0	17



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
Data File : VW016709.D
Acq On : 30 Sep 2020 13:17
Operator : SY/VA
Sample : L4171-15
Misc : 6.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3Y5

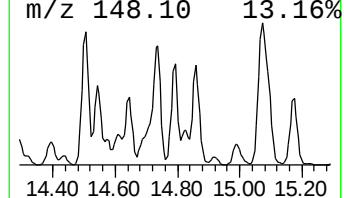
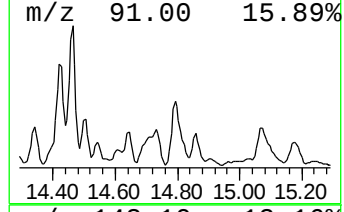
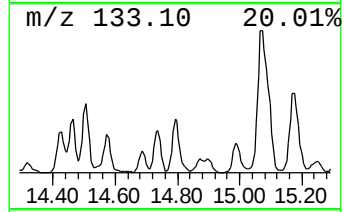
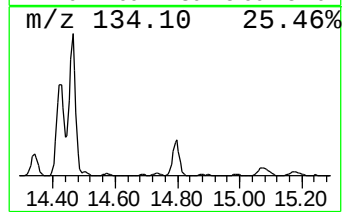
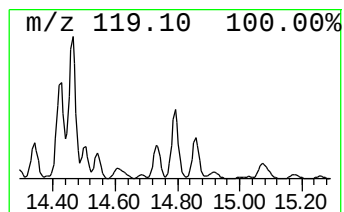
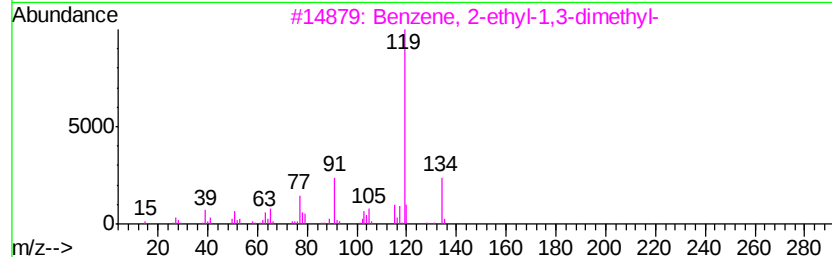
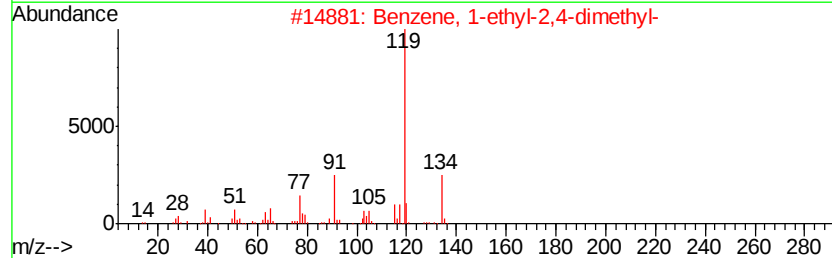
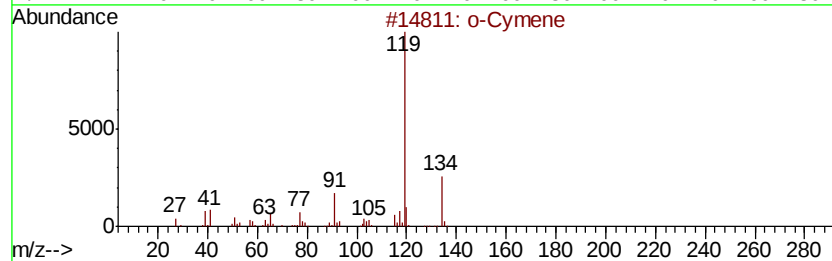
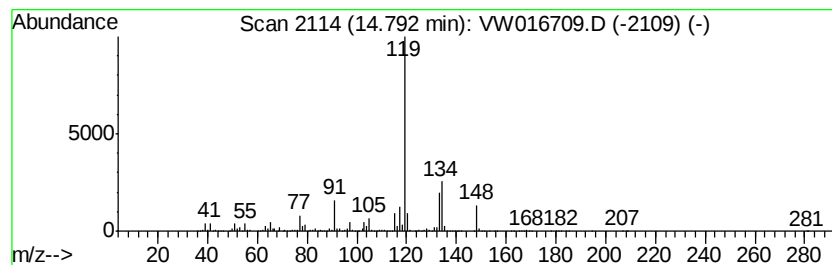
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Quant Title : VOC Analysis

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

Peak Number 63 p-Cymene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.79	132.79 ug/L	17213300	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		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
3		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
4		p-Cymene	134	C10H14	000099-87-6	93
5		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
Data File : VW016709.D
Acq On : 30 Sep 2020 13:17
Operator : SY/VA
Sample : L4171-15
Misc : 6.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3Y5

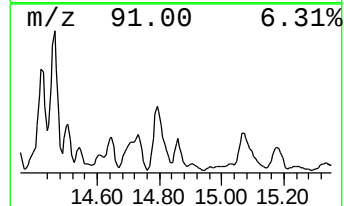
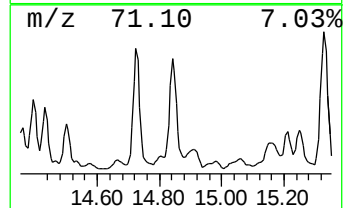
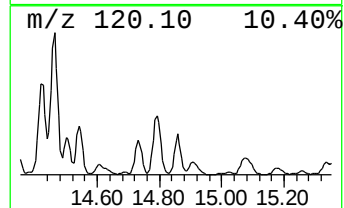
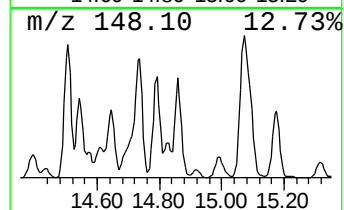
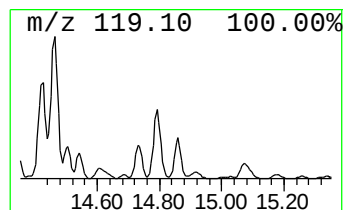
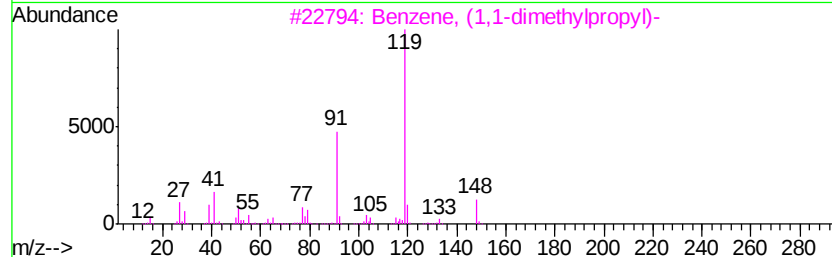
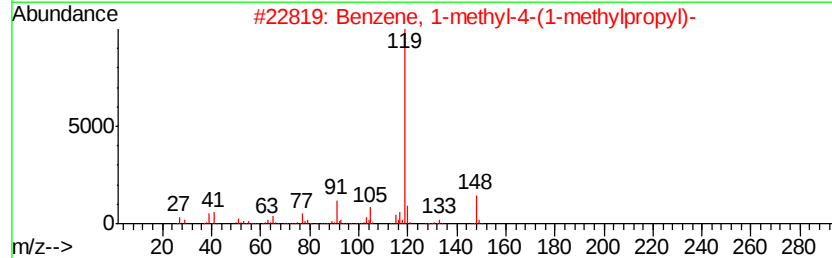
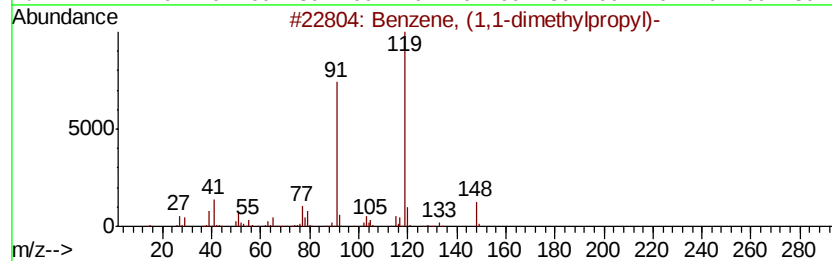
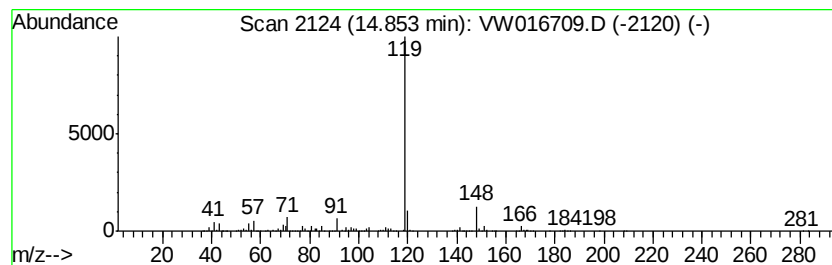
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Quant Title : VOC Analysis

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

Peak Number 64 Benzene, 1-methyl-4-(1-meth... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	74.63 ug/L	9674660	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	80
2		Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	72
3		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	72
4		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	56
5		Propiophenone, 2'-methyl-	148	C10H12O	002040-14-4	56



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
Data File : VW016709.D
Acq On : 30 Sep 2020 13:17
Operator : SY/VA
Sample : L4171-15
Misc : 6.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3Y5

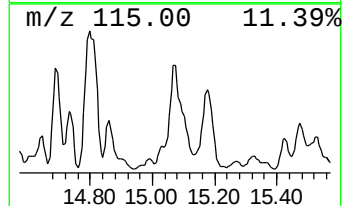
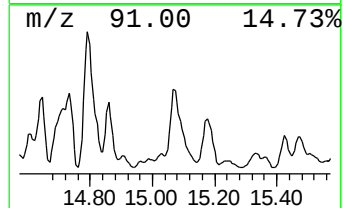
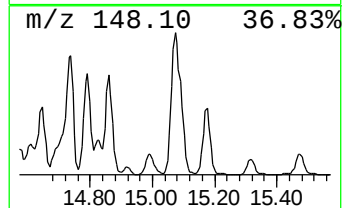
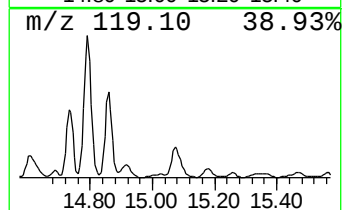
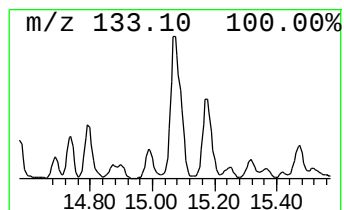
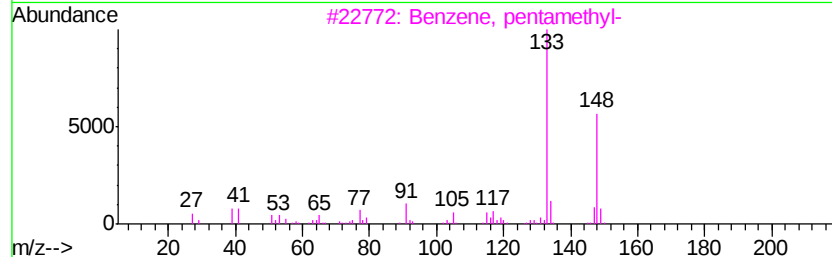
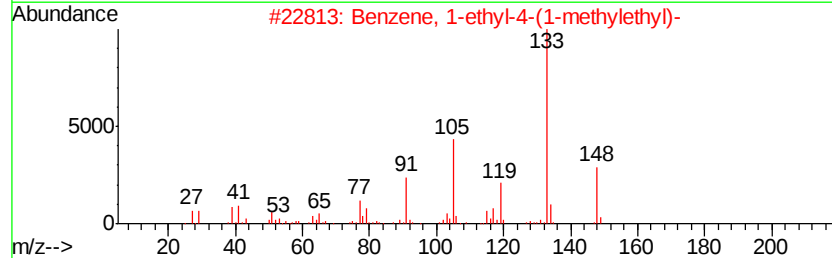
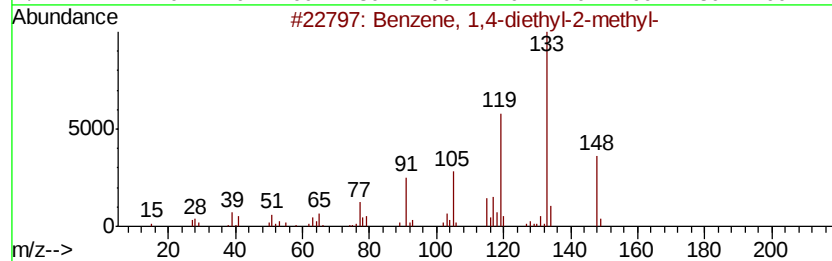
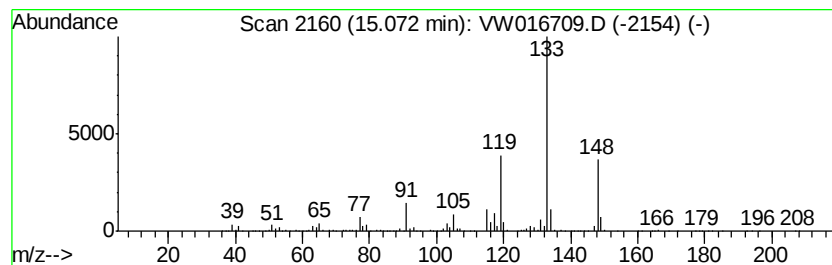
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Quant Title : VOC Analysis

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

Peak Number 65 Benzene, 1,4-diethyl-2-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	75.08 ug/L	9732330	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	91
2		Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	90
3		Benzene, pentamethyl-	148	C11H16	000700-12-9	87
4		3,4-Dimethylcumene	148	C11H16	1000370-34-1	87
5		Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
 Data File : VW016709.D
 Acq On : 30 Sep 2020 13:17
 Operator : SY/VA
 Sample : L4171-15
 Misc : 6.46G/10ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG3Y5

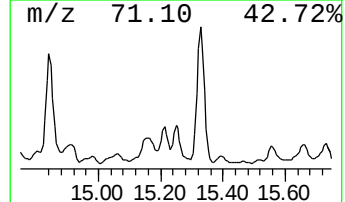
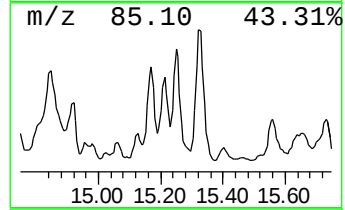
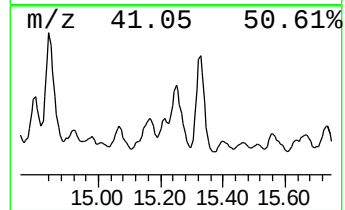
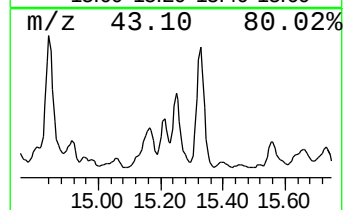
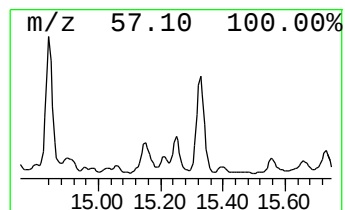
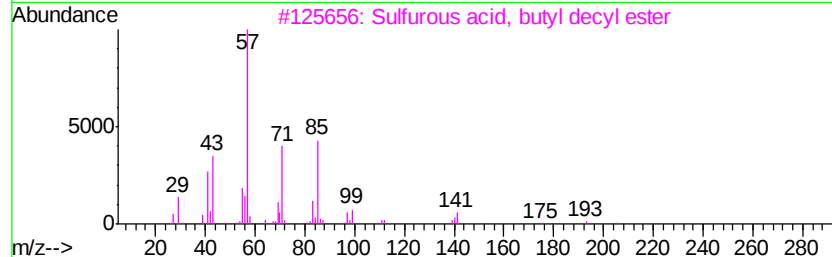
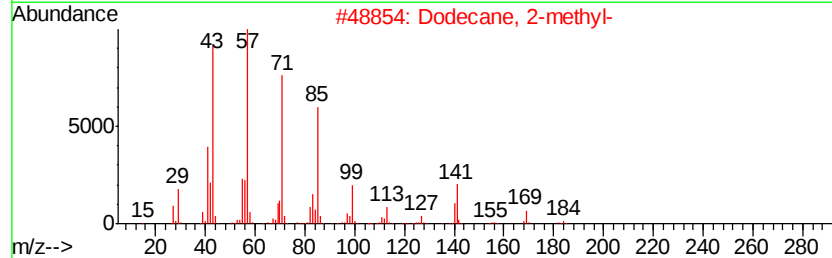
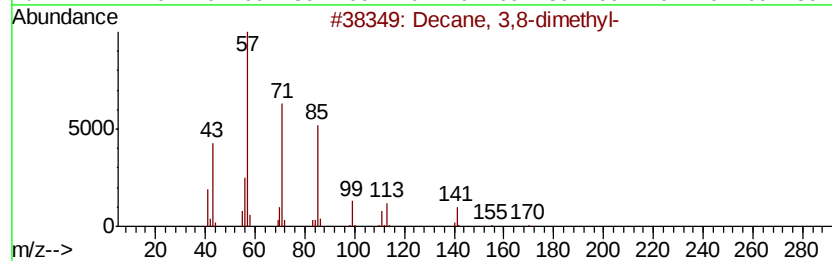
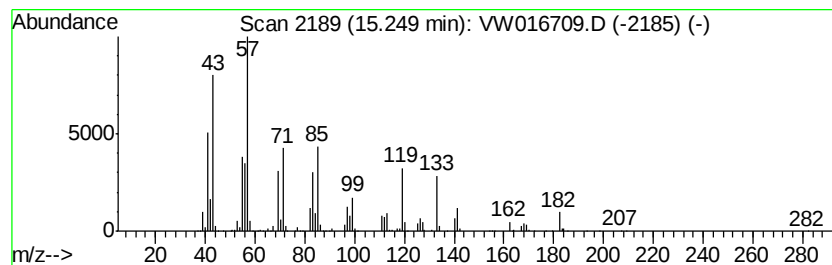
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 Quant Title : VOC Analysis

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

 Peak Number 66 (DEL) Alkane: Straight-Chai... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.25	38.53 ug/L	4994360	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	60
2		Dodecane, 2-methyl-	184	C13H28	001560-97-0	49
3		Sulfurous acid, butyl decyl ester	278	C14H30O3S	1000309-17-7	49
4		Octadecane, 1-iodo-	380	C18H37I	000629-93-6	46
5		Undecane, 3-methyl-	170	C12H26	001002-43-3	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
 Data File : VW016709.D
 Acq On : 30 Sep 2020 13:17
 Operator : SY/VA
 Sample : L4171-15
 Misc : 6.46G/10ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG3Y5

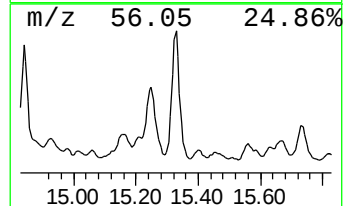
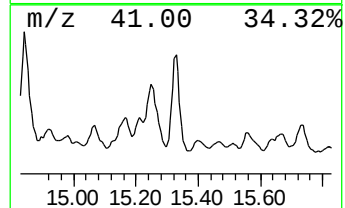
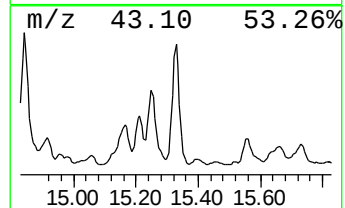
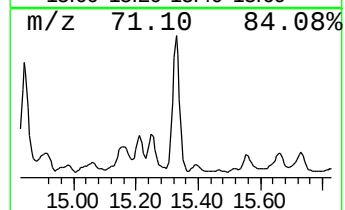
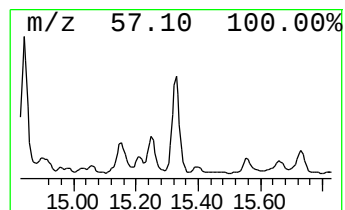
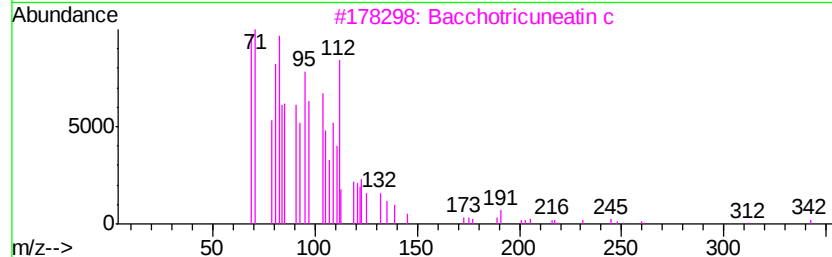
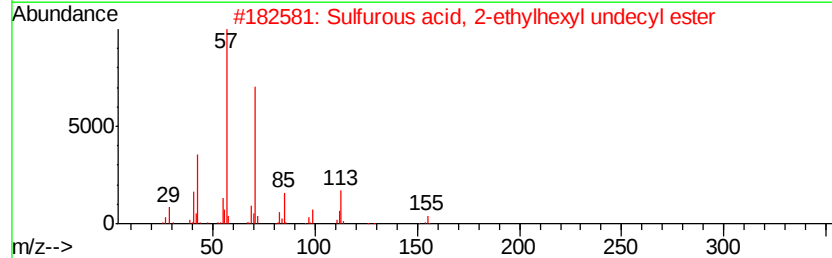
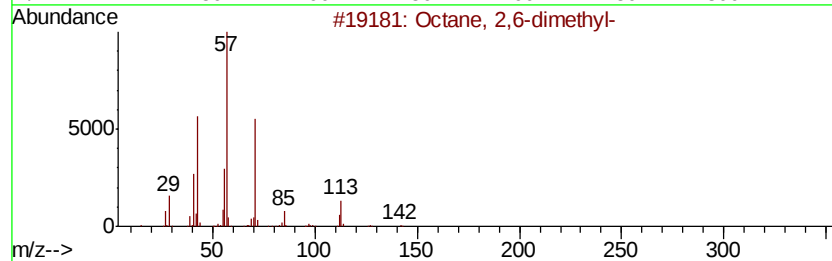
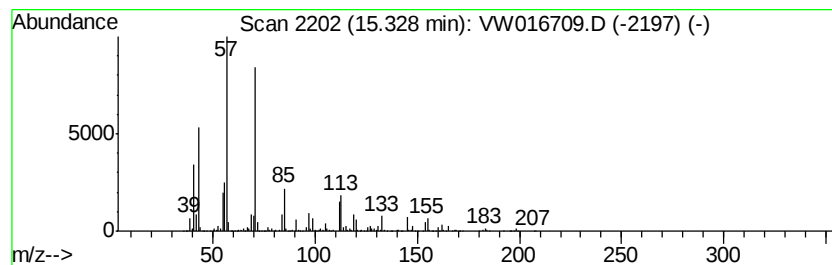
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 Quant Title : VOC Analysis

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

 Peak Number 67 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	48.15 ug/L	6241970	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	81
2		Sulfurous acid, 2-ethylhexyl und...	348	C19H40O3S	1000309-19-4	72
3		Bacchotricuneatin c	342	C20H22O5	066563-30-2	64
4		Sulfurous acid, 2-ethylhexyl tri...	376	C21H44O3S	1000309-19-6	59
5		Tridecane, 7-methyl-	198	C14H30	026730-14-3	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
Data File : VW016709.D
Acq On : 30 Sep 2020 13:17
Operator : SY/VA
Sample : L4171-15
Misc : 6.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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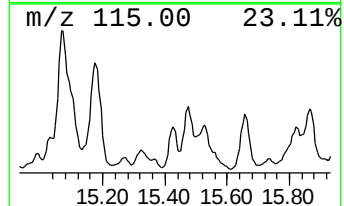
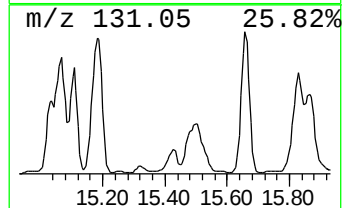
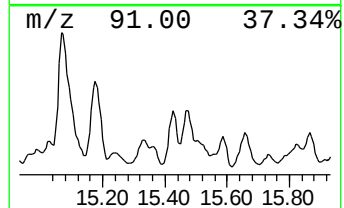
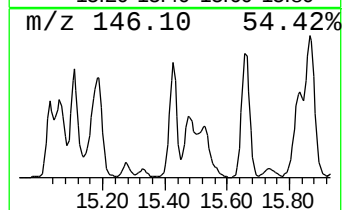
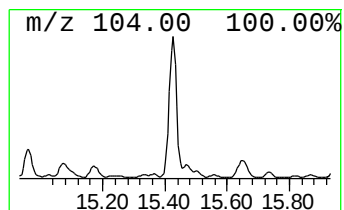
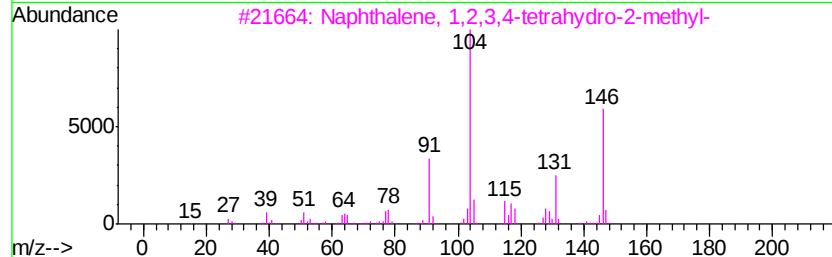
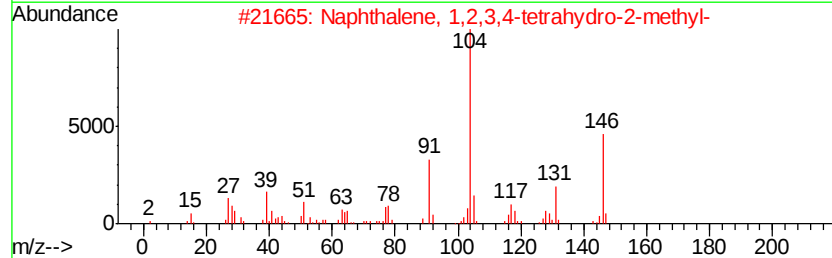
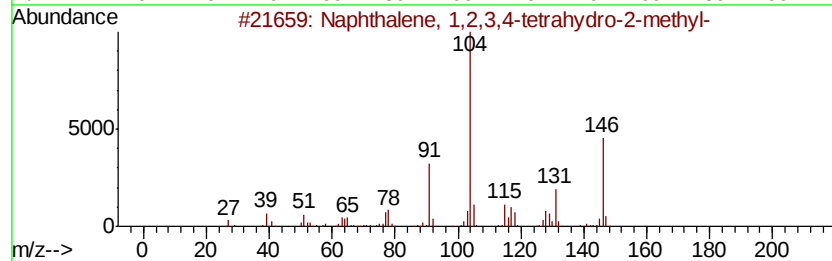
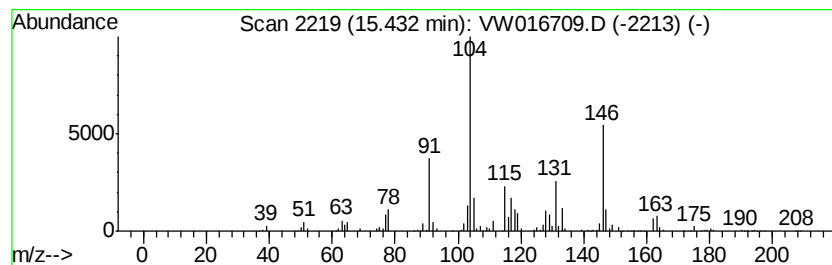
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Quant Title : VOC Analysis

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

Peak Number 68 Naphthalene, 1,2,3,4-tetra... Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.43	12.02 ug/L	1557740	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	93
2		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	81
3		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	81
4		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	81
5		Naphth[1,2-b]oxirene, 1a,2,3,7b-...	146	C10H10O	002461-34-9	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
Data File : VW016709.D
Acq On : 30 Sep 2020 13:17
Operator : SY/VA
Sample : L4171-15
Misc : 6.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3Y5

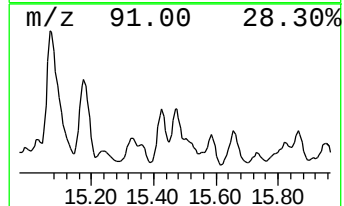
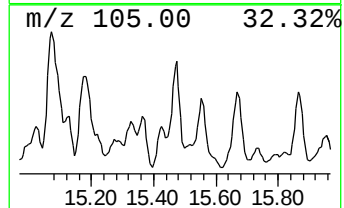
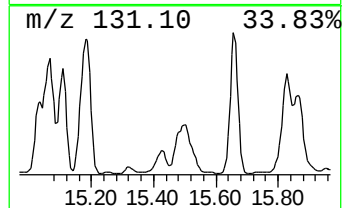
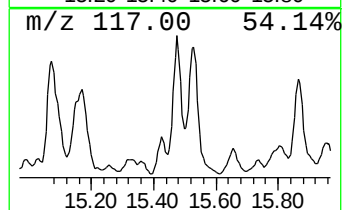
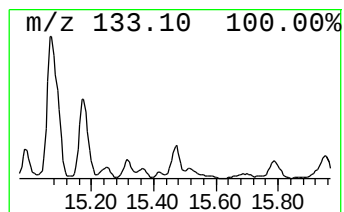
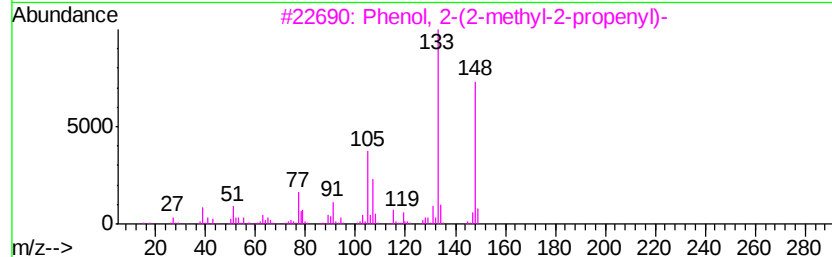
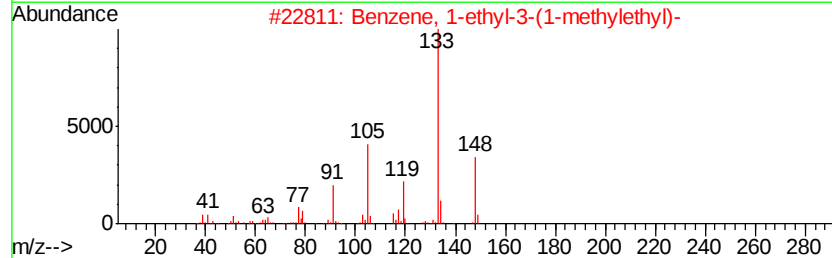
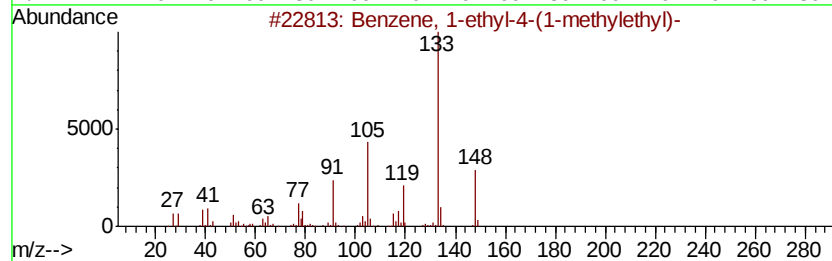
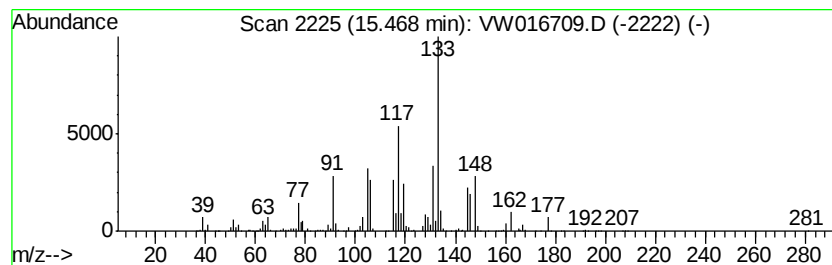
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Quant Title : VOC Analysis

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

Peak Number 69 unknown-04 Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.47	14.05 ug/L	1821470	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	45
2		Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	38
3		Phenol, 2-(2-methyl-2-propenyl)-	148	C10H12O	020944-88-1	38
4		Benzene, 1,3-dimethyl-5-(1-methyl-...)	148	C11H16	004706-90-5	35
5		Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
Data File : VW016709.D
Acq On : 30 Sep 2020 13:17
Operator : SY/VA
Sample : L4171-15
Misc : 6.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3Y5

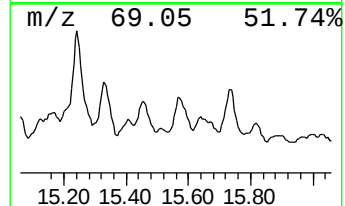
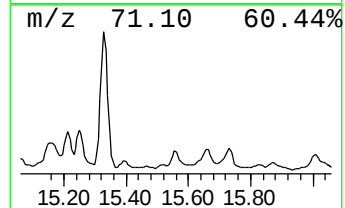
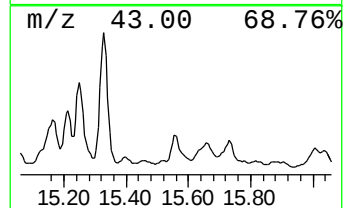
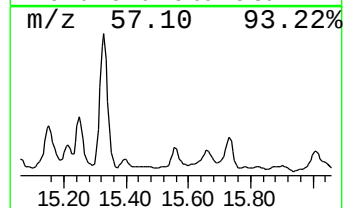
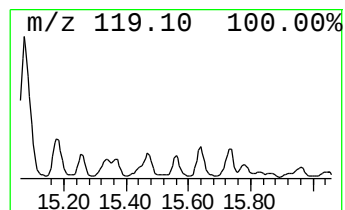
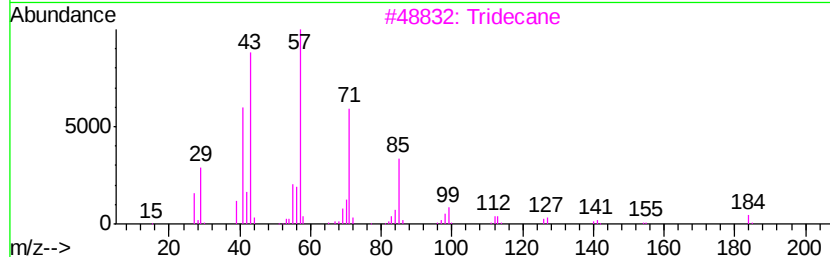
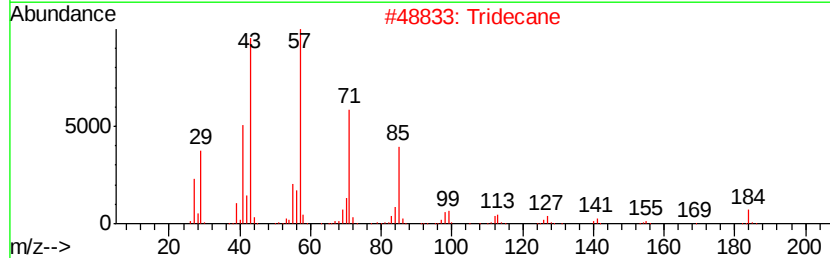
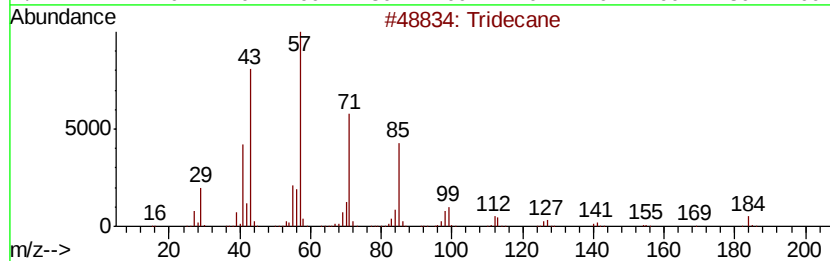
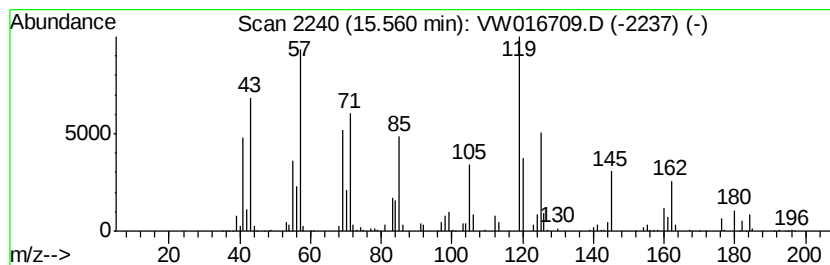
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Quant Title : VOC Analysis

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

Peak Number 70 (DEL) Alkane: Straight-Chai... Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.56	19.55 ug/L	2534360	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane	184	C13H28	000629-50-5	91
2		Tridecane	184	C13H28	000629-50-5	35
3		Tridecane	184	C13H28	000629-50-5	35
4		Succinic acid, monochloride, 3,3...	220	C10H17ClO3	1000349-52-6	27
5		1,7,7-Trimethyl-2-vinylbicyclo[2...	162	C12H18	130930-56-2	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
Data File : VW016709.D
Acq On : 30 Sep 2020 13:17
Operator : SY/VA
Sample : L4171-15
Misc : 6.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3Y5

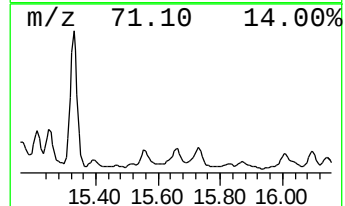
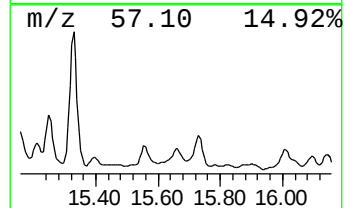
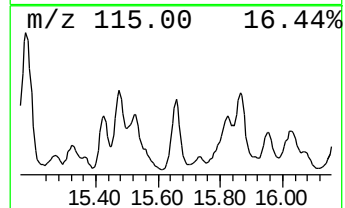
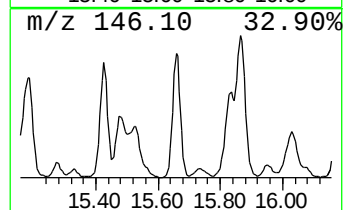
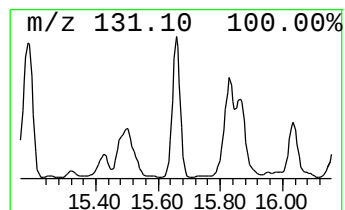
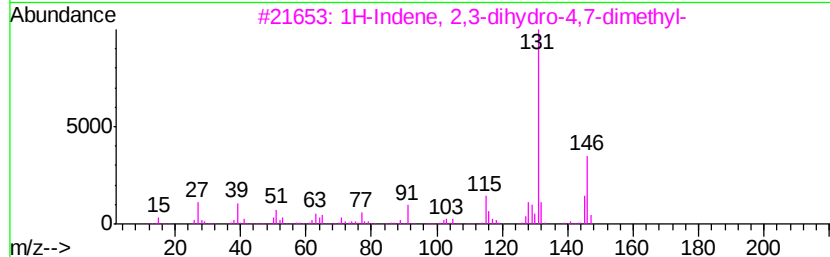
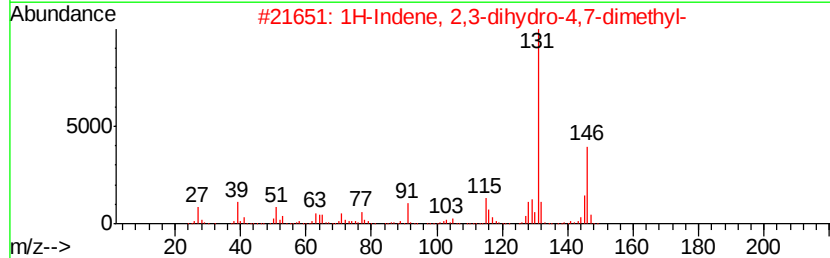
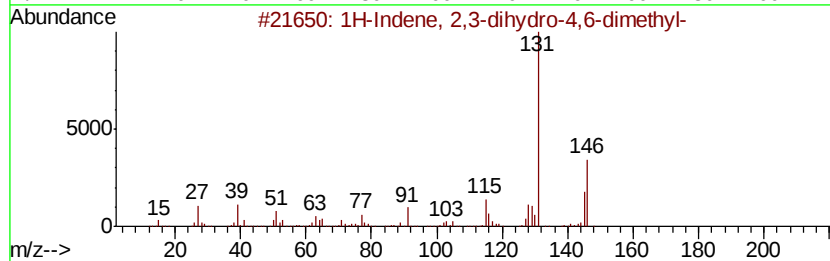
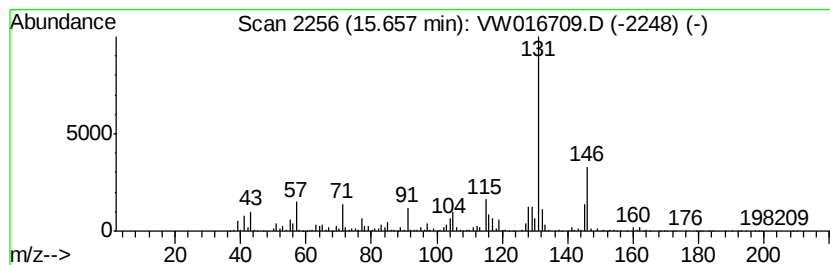
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Quant Title : VOC Analysis

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

Peak Number 71 1H-Indene, 2,3-dihydro-4,6-... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	40.85 ug/L	5294830	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	93
2		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	93
3		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	93
4		1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	90
5		Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW093020\
Data File : VW016709.D
Acq On : 30 Sep 2020 13:17
Operator : SY/VA
Sample : L4171-15
Misc : 6.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3Y5

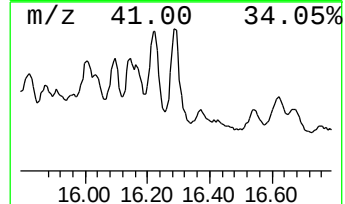
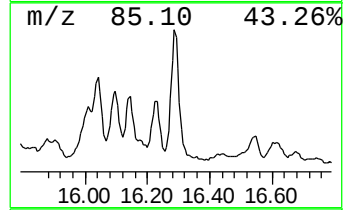
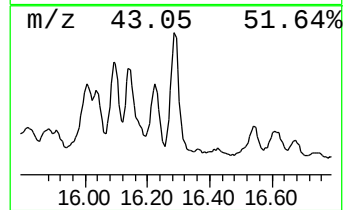
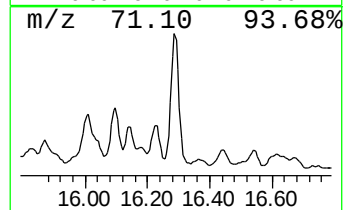
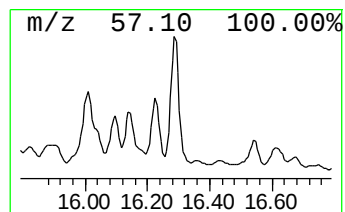
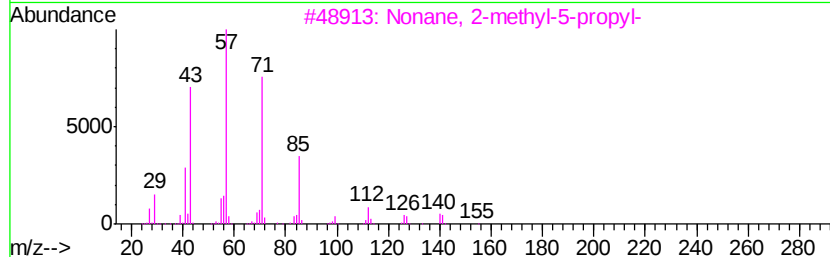
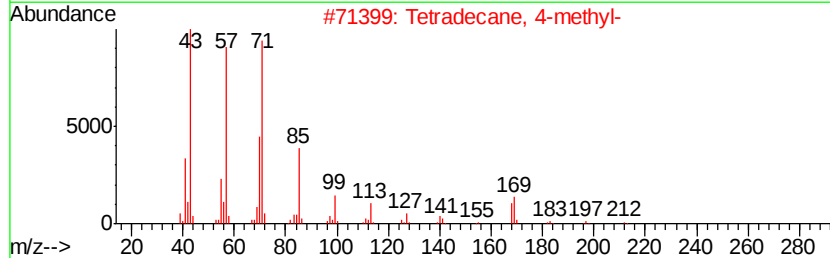
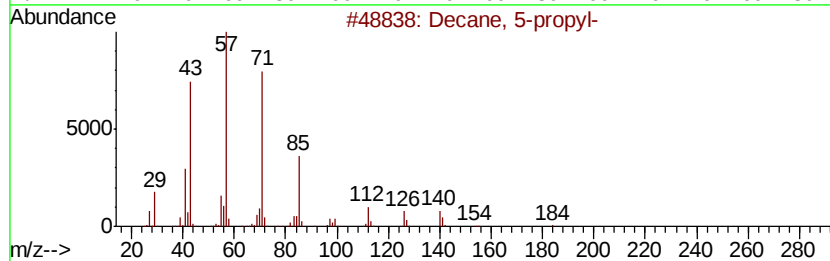
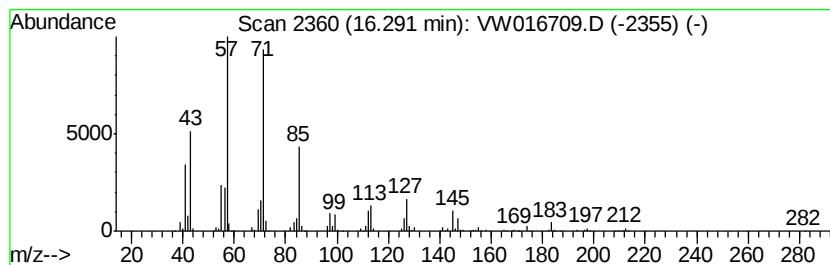
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
Quant Title : VOC Analysis

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

Peak Number 77 (DEL) Alkane: Straight-Chai... Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.29	11.53 ug/L	1495220	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 5-propyl-	184	C13H28	017312-62-8	74
2		Tetradecane, 4-methyl-	212	C15H32	025117-24-2	72
3		Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	64
4		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	64
5		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093020\
 Data File : VW016709.D
 Acq On : 30 Sep 2020 13:17
 Operator : SY/VA
 Sample : L4171-15
 Misc : 6.46G/10ML/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG3Y5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
 Quant Title : VOC Analysis

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

							--Internal Standard--				
TIC	Top	Hit	name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL)	Alkane:	Str...		4.98	1265.9	ug/L	74319000	1	8.85	1467710	25.0
(DEL)	Alkane:	Str...		5.46	1924.9	ug/L	113009000	1	8.85	1467710	25.0
(DEL)	Alkane:	Str...		5.95	1234.6	ug/L	72480200	1	8.85	1467710	25.0
(DEL)	Alkane:	Str...		6.73	285.1	ug/L	16738000	1	8.85	1467710	25.0
(DEL)	Alkane:	Str...		6.88	195.4	ug/L	11472700	1	8.85	1467710	25.0
(DEL)	Alkane:	Cyc...		6.99	409.1	ug/L	24018100	1	8.85	1467710	25.0
(DEL)	Alkane:	Str...		7.17	21.3	ug/L	1247480	1	8.85	1467710	25.0
(DEL)	Alkane:	Str...		9.08	88.3	ug/L	5185870	1	8.85	1467710	25.0
(DEL)	Alkane:	Cyc...		9.61	53.8	ug/L	3158290	1	8.85	1467710	25.0
(DEL)	Alkane:	Cyc...		9.76	77.8	ug/L	4567960	1	8.85	1467710	25.0
(DEL)	Alkane:	Str...		9.90	73.8	ug/L	4330800	1	8.85	1467710	25.0
(DEL)	Alkane:	Str...		9.96	612.5	ug/L	35955800	1	8.85	1467710	25.0
(DEL)	Alkane:	Str...		10.10	472.3	ug/L	27727000	1	8.85	1467710	25.0
(DEL)	Alkane:	Str...		10.25	11.9	ug/L	4891110	2	11.63	10256100	25.0
(DEL)	Alkane:	Cyc...		10.45	8.6	ug/L	3518030	2	11.63	10256100	25.0
(DEL)	Alkane:	Str...		10.51	145.8	ug/L	59833400	2	11.63	10256100	25.0
(DEL)	Alkane:	Cyc...		10.68	69.5	ug/L	28516800	2	11.63	10256100	25.0
(DEL)	Alkane:	Cyc...		10.77	43.8	ug/L	17970200	2	11.63	10256100	25.0
(DEL)	Alkane:	Str...		10.85	10.0	ug/L	4109920	2	11.63	10256100	25.0
(DEL)	Alkane:	Str...		11.04	17.0	ug/L	6961660	2	11.63	10256100	25.0
(DEL)	Alkane:	Cyc...		11.11	8.9	ug/L	3661440	2	11.63	10256100	25.0
(DEL)	Alkane:	Cyc...		11.18	67.8	ug/L	27796600	2	11.63	10256100	25.0
(DEL)	Alkane:	Cyc...		11.24	26.5	ug/L	10881100	2	11.63	10256100	25.0
(DEL)	Alkane:	Cyc...		11.29	5.2	ug/L	2125380	2	11.63	10256100	25.0
(DEL)	Alkane:	Str...		11.34	11.8	ug/L	4823880	2	11.63	10256100	25.0
(DEL)	Alkane:	Str...		11.41	20.7	ug/L	8505210	2	11.63	10256100	25.0
(DEL)	Alkane:	Str...		11.52	6.9	ug/L	2829270	2	11.63	10256100	25.0
(DEL)	Alkane:	Cyc...		11.91	2.7	ug/L	1125140	2	11.63	10256100	25.0
unknown-01				12.05	2.1	ug/L	867864	2	11.63	10256100	25.0
(DEL)	Alkane:	Str...		12.26	4.3	ug/L	1745700	2	11.63	10256100	25.0
Cyclohexene, 4-pr...				12.34	4.8	ug/L	1964360	2	11.63	10256100	25.0
(DEL)	Alkane:	Str...		12.54	3.1	ug/L	1293960	2	11.63	10256100	25.0
(DEL)	Alkane:	Str...		12.57	3.7	ug/L	1516330	2	11.63	10256100	25.0
(DEL)	Alkane:	Str...		12.79	22.7	ug/L	2940520	3	13.56	3240770	25.0
Benzene, 1-ethyl-...				12.87	16.4	ug/L	2130070	3	13.56	3240770	25.0
(DEL)	Alkane:	Str...		12.93	85.8	ug/L	11128600	3	13.56	3240770	25.0
(DEL)	Alkane:	Str...		12.99	9.5	ug/L	1232250	3	13.56	3240770	25.0
(DEL)	Alkane:	Cyc...		13.08	10.7	ug/L	1390160	3	13.56	3240770	25.0
(DEL)	Alkane:	Str...		13.17	32.8	ug/L	4248240	3	13.56	3240770	25.0
Benzene, 1,2,3-tr...				13.26	14.8	ug/L	1911630	3	13.56	3240770	25.0
(DEL)	Alkane:	Str...		13.35	10.6	ug/L	1367280	3	13.56	3240770	25.0
Benzene, 1-methyl...				13.38	9.8	ug/L	1277280	3	13.56	3240770	25.0
Benzene, 1-methyl...				13.44	42.6	ug/L	5528640	3	13.56	3240770	25.0
Benzene, 1,3-diet...				13.72	47.5	ug/L	6156830	3	13.56	3240770	25.0
Benzene, 1-methyl...				13.75	104.6	ug/L	13553700	3	13.56	3240770	25.0
Benzene, 1,2-diet...				13.80	174.8	ug/L	22665700	3	13.56	3240770	25.0
Benzene, (1-methy...				13.95	56.4	ug/L	7305560	3	13.56	3240770	25.0
Benzene, 4-ethyl-...				14.01	99.5	ug/L	12893700	3	13.56	3240770	25.0
o-Cymene				14.04	89.2	ug/L	11563100	3	13.56	3240770	25.0

Benzene, 2-ethyl-...	14.10	170.2 ug/L	22066700	3	13.56	3240770	25.0
1,4-Cyclohexadien...	14.21	58.8 ug/L	7618820	3	13.56	3240770	25.0
Benzene, 2,4-dime...	14.26	28.1 ug/L	3648160	3	13.56	3240770	25.0
Benzene, 2-ethyl-...	14.34	67.9 ug/L	8806180	3	13.56	3240770	25.0
(DEL) Alkane: Cyc...	14.40	51.0 ug/L	6611160	3	13.56	3240770	25.0
Benzene, 1,2,4,5-...	14.43	158.8 ug/L	20590900	3	13.56	3240770	25.0
Benzene, 1,2,3,4-...	14.46	164.0 ug/L	21255200	3	13.56	3240770	25.0
Benzene, pentamet...	14.51	56.7 ug/L	7348170	3	13.56	3240770	25.0
unknown-02	14.55	42.4 ug/L	5495560	3	13.56	3240770	25.0
Benzene, (1,1-dim...	14.60	10.6 ug/L	1379670	3	13.56	3240770	25.0
(3-Methylphenyl) ...	14.65	25.3 ug/L	3276570	3	13.56	3240770	25.0
Benzene, 2-etheny...	14.69	28.0 ug/L	3631220	3	13.56	3240770	25.0
unknown-03	14.73	81.7 ug/L	10589600	3	13.56	3240770	25.0
p-Cymene	14.79	132.8 ug/L	17213300	3	13.56	3240770	25.0
Benzene, 1-methyl...	14.85	74.6 ug/L	9674660	3	13.56	3240770	25.0
Benzene, 1,4-diet...	15.07	75.1 ug/L	9732330	3	13.56	3240770	25.0
(DEL) Alkane: Str...	15.25	38.5 ug/L	4994360	3	13.56	3240770	25.0
(DEL) Alkane: Str...	15.33	48.1 ug/L	6241970	3	13.56	3240770	25.0
Naphthalene, 1,2,...	15.43	12.0 ug/L	1557740	3	13.56	3240770	25.0
unknown-04	15.47	14.1 ug/L	1821470	3	13.56	3240770	25.0
(DEL) Alkane: Str...	15.56	19.6 ug/L	2534360	3	13.56	3240770	25.0
1H-Indene, 2,3-di...	15.66	40.9 ug/L	5294830	3	13.56	3240770	25.0
(DEL) Alkane: Str...	16.29	11.5 ug/L	1495220	3	13.56	3240770	25.0

Instrument :
MSVOA_W
ClientSampleId :
BG3Y5