

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120318\
 Data File : VW007167.D
 Acq On : 03 Dec 2018 18:04
 Operator : SY/AP
 Sample : J6171-05
 Misc : 6.57G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 F9Y09

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\SOM2WLM113018S.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	3.026	172	184	200	rBV	2444709	5315315	7.83%	0.763%
2	4.111	353	362	383	rVB	233341	752550	1.11%	0.108%
3	4.903	473	492	517	rBV	824452	3643976	5.37%	0.523%
4	5.446	560	581	603	rBV	4656879	16722296	24.63%	2.399%
5	6.720	776	790	803	rBV	347481	1138073	1.68%	0.163%
6	6.885	803	817	828	rVV	944282	2942552	4.33%	0.422%
7	7.702	931	951	968	rBV2	307511	1005479	1.48%	0.144%
8	7.964	981	994	1001	rVV	5683139	15494223	22.82%	2.223%
9	8.043	1001	1007	1018	rVV	3605780	8850334	13.03%	1.270%
10	8.165	1018	1027	1030	rVV	449285	1028087	1.51%	0.148%
11	8.226	1030	1037	1059	rVB	3675202	9702249	14.29%	1.392%
12	8.445	1059	1073	1079	rBV2	9385699	24948813	36.74%	3.580%
13	8.518	1079	1085	1090	rVV	8278351	19865207	29.25%	2.850%
14	8.586	1090	1096	1112	rVB	11999496	28619964	42.15%	4.106%
15	9.159	1181	1190	1201	rVB	196771	437806	0.64%	0.063%
16	9.354	1201	1222	1236	rBV3	19809638	67906407	100.00%	9.743%
17	9.524	1245	1250	1254	rVB	288982	460482	0.68%	0.066%
18	9.616	1254	1265	1274	rVB	7915846	17339705	25.53%	2.488%
19	9.762	1279	1289	1298	rVB	9138690	19365584	28.52%	2.779%
20	9.909	1306	1313	1316	rBV	1708442	3277624	4.83%	0.470%
21	9.951	1316	1320	1325	rVB	1481359	2626038	3.87%	0.377%
22	10.085	1332	1342	1347	rBV	3550690	7354194	10.83%	1.055%
23	10.134	1347	1350	1357	rVB	1609669	2714618	4.00%	0.389%
24	10.226	1357	1365	1366	rBV	1658492	2997915	4.41%	0.430%
25	10.329	1374	1382	1386	rBV	12683146	26464944	38.97%	3.797%
26	10.366	1386	1388	1395	rVB	5782810	9244904	13.61%	1.326%
27	10.451	1395	1402	1405	rBV	2354744	4172732	6.14%	0.599%
28	10.512	1405	1412	1420	rVB3	6131382	16878473	24.86%	2.422%
29	10.628	1420	1431	1434	rBV2	3709432	7750551	11.41%	1.112%
30	10.671	1434	1438	1446	rVB	8396597	16343929	24.07%	2.345%
31	10.768	1446	1454	1458	rBV3	3822861	7971132	11.74%	1.144%
32	10.811	1458	1461	1464	rVV2	1253598	2065912	3.04%	0.296%
33	10.853	1464	1468	1473	rVB	2000493	3224459	4.75%	0.463%
34	10.945	1473	1483	1489	rBV	6433649	12452150	18.34%	1.787%

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Integration Parameters: LSCINT.P

Integrator: RTE
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Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
 Title : VOC Analysis

35	11.049	1489	1500	1508	rVV3	2587144	7950289	11.71%	1.141%
36	11.122	1508	1512	1513	rVV	1214097	1520750	2.24%	0.218%
37	11.189	1513	1523	1527	rVV	8587955	21172464	31.18%	3.038%
38	11.244	1527	1532	1537	rVV	12618100	25300954	37.26%	3.630%
39	11.292	1537	1540	1543	rVV	2351312	3686002	5.43%	0.529%
40	11.341	1543	1548	1553	rVV2	6173376	12279057	18.08%	1.762%
41	11.384	1553	1555	1560	rVB	1644140	2372876	3.49%	0.340%
42	11.445	1560	1565	1572	rVB	5685090	9937099	14.63%	1.426%
43	11.512	1572	1576	1580	rBV	1371690	2199714	3.24%	0.316%
44	11.567	1580	1585	1592	rBV4	878558	1744316	2.57%	0.250%
45	11.670	1597	1602	1606	rBV	1352546	2316335	3.41%	0.332%
46	11.725	1606	1611	1615	rBV	1591718	2714433	4.00%	0.389%
47	11.774	1615	1619	1622	rBV	2424665	3730394	5.49%	0.535%
48	11.811	1622	1625	1631	rVB4	3043816	5707346	8.40%	0.819%
49	11.884	1631	1637	1640	rBV	4944915	9203486	13.55%	1.321%
50	11.920	1640	1643	1648	rVB3	4199964	7515203	11.07%	1.078%
51	11.981	1648	1653	1659	rBV3	1920604	3793317	5.59%	0.544%
52	12.048	1659	1664	1672	rVB3	1429673	4094737	6.03%	0.588%
53	12.146	1672	1680	1686	rBV3	5799973	13674005	20.14%	1.962%
54	12.201	1686	1689	1691	rBV2	516726	573221	0.84%	0.082%
55	12.262	1691	1699	1703	rVB	6262705	10891918	16.04%	1.563%
56	12.347	1703	1713	1715	rBV3	7022098	14008040	20.63%	2.010%
57	12.469	1729	1733	1736	rBV3	1421581	2991521	4.41%	0.429%
58	12.512	1737	1740	1748	rVB5	2743184	5031397	7.41%	0.722%
59	12.628	1754	1759	1764	rVB3	1455547	2424118	3.57%	0.348%
60	12.707	1764	1772	1776	rBV2	2532501	6029437	8.88%	0.865%
61	12.756	1776	1780	1781	rVV2	1213889	1945382	2.86%	0.279%
62	12.786	1781	1785	1792	rVB3	6218082	12292949	18.10%	1.764%
63	12.865	1792	1798	1803	rBV4	2397154	5554813	8.18%	0.797%
64	12.945	1803	1811	1817	rVV6	4953128	15438297	22.73%	2.215%
65	12.999	1817	1820	1825	rVB2	2500748	3900229	5.74%	0.560%
66	13.085	1825	1834	1838	rBV4	2156109	4691719	6.91%	0.673%
67	13.134	1838	1842	1845	rBV2	973760	1750602	2.58%	0.251%
68	13.176	1845	1849	1857	rVB2	4267314	7318350	10.78%	1.050%
69	13.268	1861	1864	1866	rBV2	889989	1177233	1.73%	0.169%
70	13.298	1867	1869	1874	rVV2	638445	884385	1.30%	0.127%
71	13.353	1875	1878	1881	rVV	1113699	1548308	2.28%	0.222%

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Title : VOC Analysis

72	13.383	1881	1883	1887	rVB2	1386685	1790989	2.64%	0.257%
73	13.457	1887	1895	1899	rBV4	3839477	8432663	12.42%	1.210%
74	13.707	1930	1936	1949	rVB5	1845601	4747382	6.99%	0.681%
75	13.829	1950	1956	1959	rBV6	619231	1592357	2.34%	0.228%
76	13.889	1960	1966	1970	rVV	4535068	9154509	13.48%	1.313%
77	13.926	1970	1972	1977	rVV2	1783753	2931939	4.32%	0.421%
78	13.987	1978	1982	1985	rVV4	1453505	2820509	4.15%	0.405%
79	14.024	1986	1988	1994	rVV5	1494724	3430613	5.05%	0.492%
80	14.103	1998	2001	2004	rVV	1446741	2282379	3.36%	0.327%
81	14.146	2005	2008	2013	rVB2	1274920	1788470	2.63%	0.257%
82	14.213	2014	2019	2025	rVB4	1040647	1951118	2.87%	0.280%
83	14.274	2025	2029	2035	rBV3	1052006	1807513	2.66%	0.259%
84	14.328	2035	2038	2041	rVB3	667798	774613	1.14%	0.111%
85	14.396	2042	2049	2054	rBV4	3612635	7296755	10.75%	1.047%
86	14.505	2064	2067	2070	rVB5	393153	503171	0.74%	0.072%
87	14.560	2071	2076	2081	rBV4	2074239	3648011	5.37%	0.523%
88	14.615	2082	2085	2089	rVV5	336915	540493	0.80%	0.078%
89	14.749	2103	2107	2111	rBV4	755486	1421500	2.09%	0.204%
90	14.804	2112	2116	2120	rVV2	2784277	4942237	7.28%	0.709%
91	14.853	2120	2124	2133	rVB2	3274191	6276796	9.24%	0.901%
92	14.932	2134	2137	2141	rBV4	473180	750961	1.11%	0.108%
93	15.127	2164	2169	2173	rBV4	589465	1275222	1.88%	0.183%
94	15.182	2174	2178	2182	rVV4	938733	2154188	3.17%	0.309%
95	15.249	2186	2189	2198	rVV6	1444533	4312207	6.35%	0.619%
96	15.340	2199	2204	2210	rVB2	2537611	4410247	6.49%	0.633%
97	15.590	2239	2245	2250	rBV5	641066	1387588	2.04%	0.199%
98	15.639	2250	2253	2256	rBV2	323573	493399	0.73%	0.071%
99	15.749	2265	2271	2279	rBV4	1229937	2511804	3.70%	0.360%
100	16.304	2357	2362	2369	rVB	538404	1092317	1.61%	0.157%

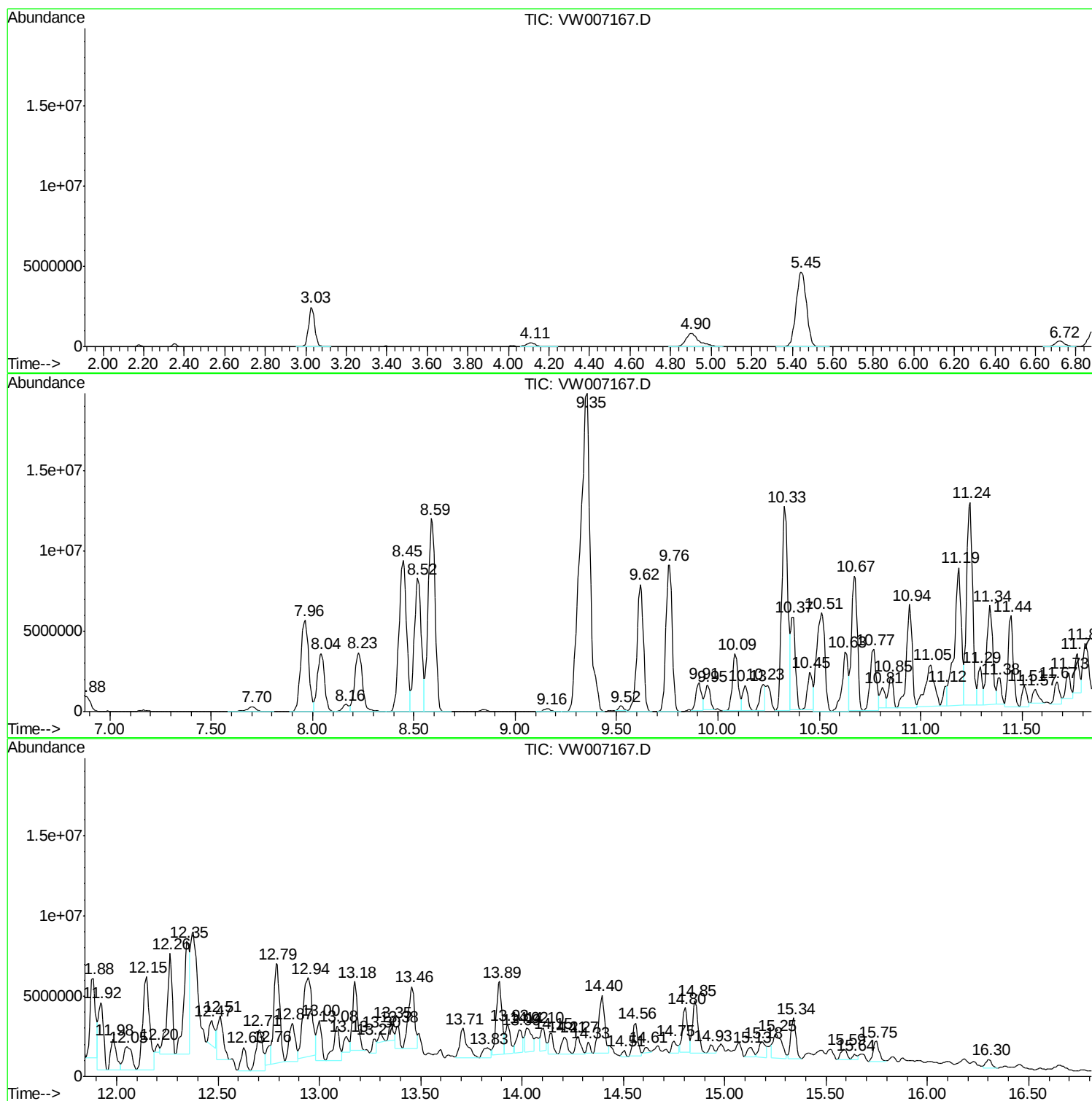
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Instrument :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

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



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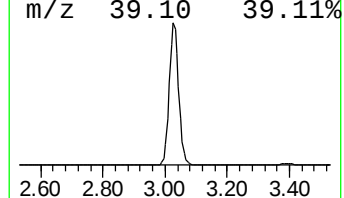
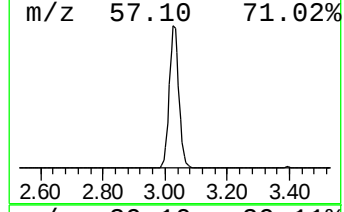
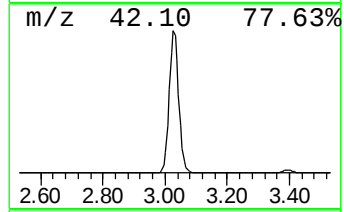
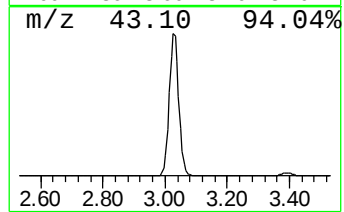
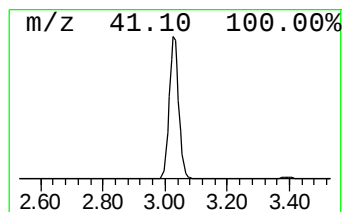
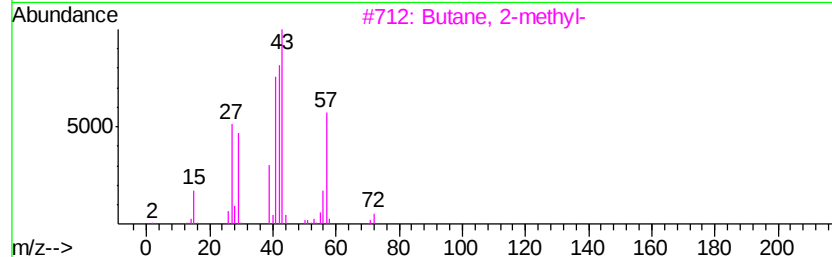
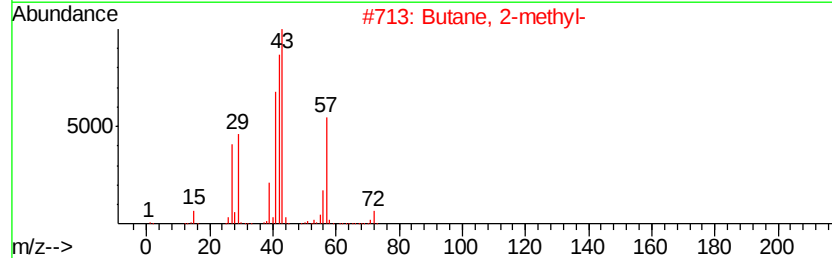
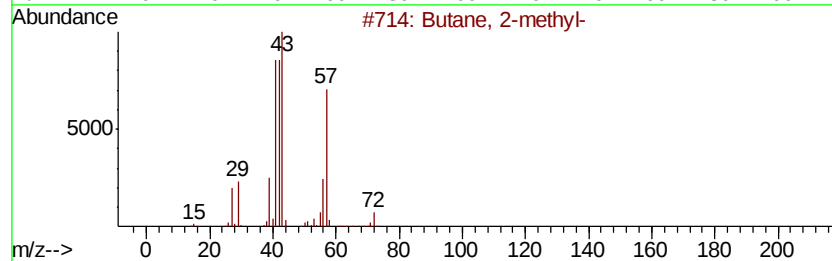
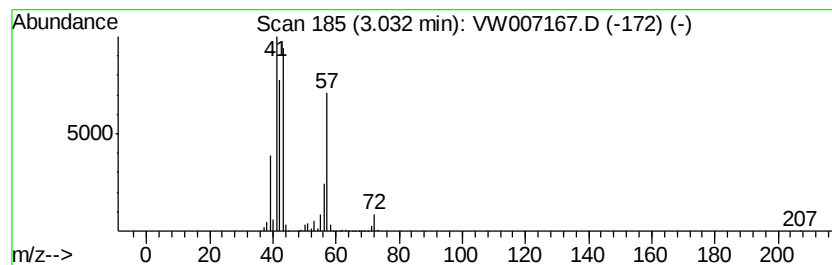
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

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

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.03	4.64 ug/L	5315320	1,4-Difluorobenzene	8.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butane, 2-methyl-	72	C5H12	000078-78-4	81
2		Butane, 2-methyl-	72	C5H12	000078-78-4	64
3		Butane, 2-methyl-	72	C5H12	000078-78-4	58
4		3-Buten-1-ol	72	C4H8O	000627-27-0	38
5		3-Buten-1-ol	72	C4H8O	000627-27-0	33



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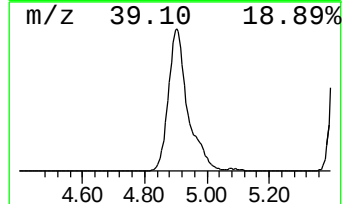
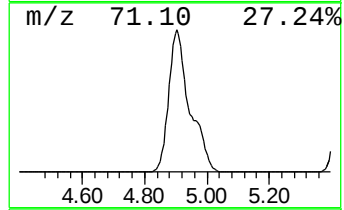
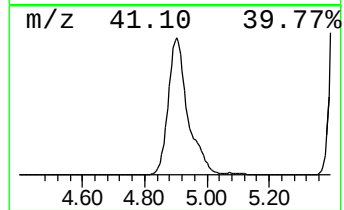
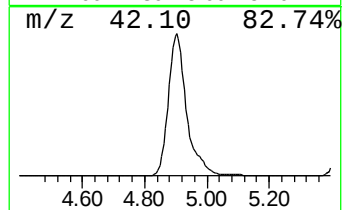
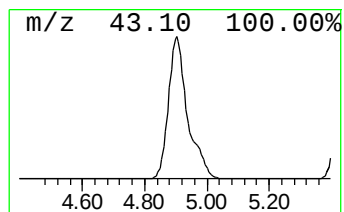
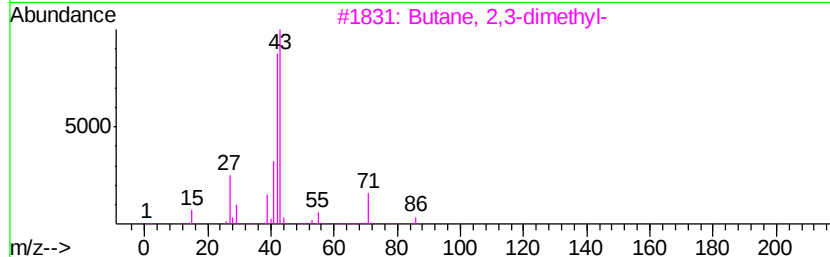
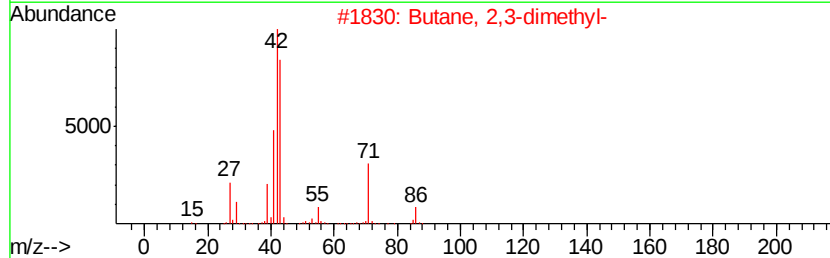
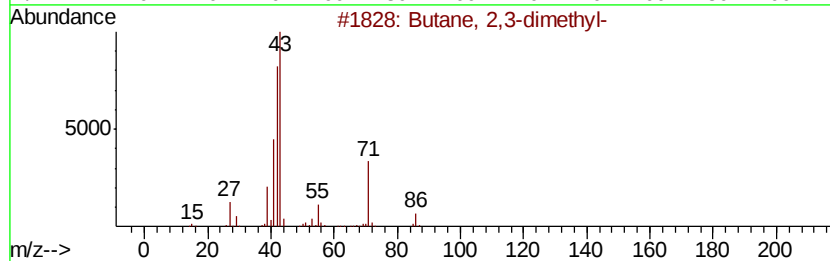
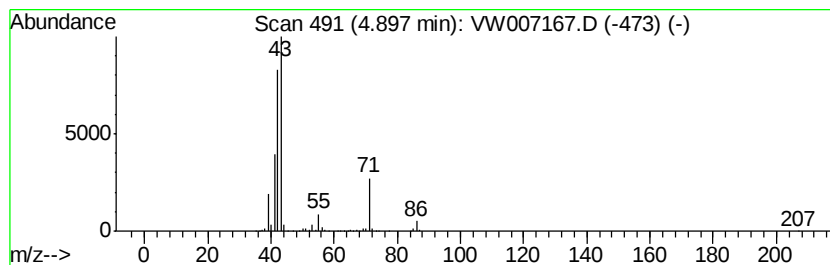
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

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

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 71

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.90	3.18 ug/L	3643980	1,4-Difluorobenzene	8.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	91
2		Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	90
3		Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	86
4		Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	72
5		Pentane, 2-methyl-	86	C6H14	000107-83-5	53



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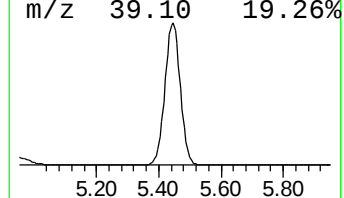
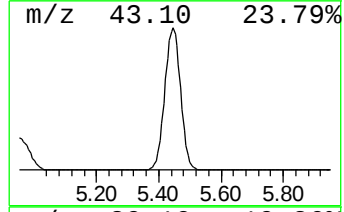
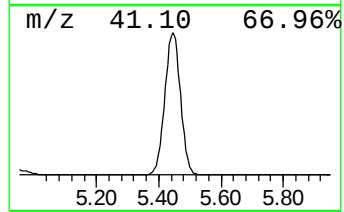
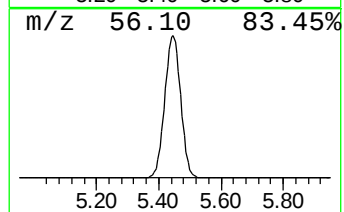
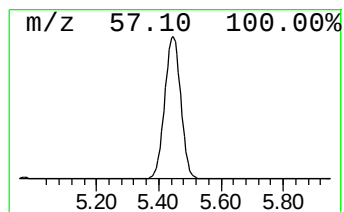
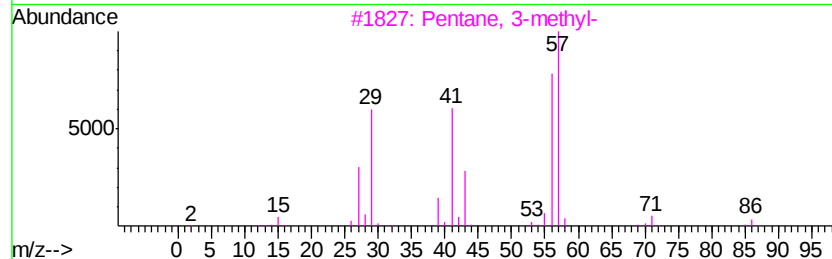
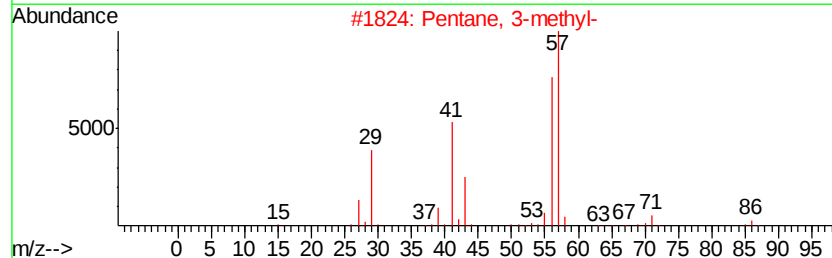
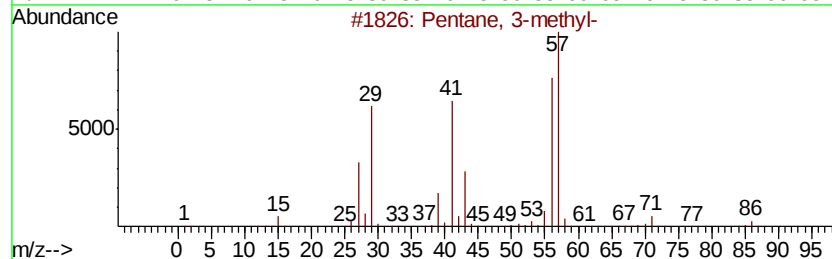
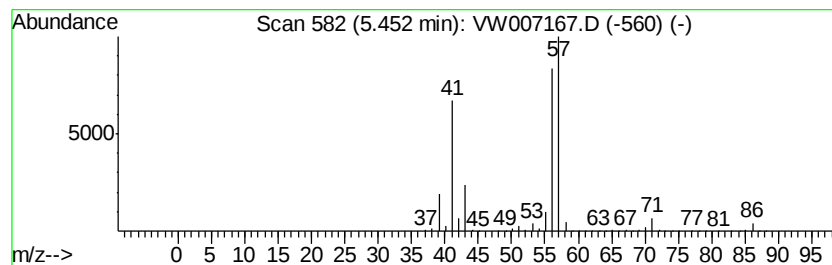
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 Quant Title : VOC Analysis

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

 Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.45	14.61 ug/L	16722300	1,4-Difluorobenzene	8.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2		Pentane, 3-methyl-	86	C6H14	000096-14-0	91
3		Pentane, 3-methyl-	86	C6H14	000096-14-0	90
4		Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	43
5		n-Hexane	86	C6H14	000110-54-3	40



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9Y09

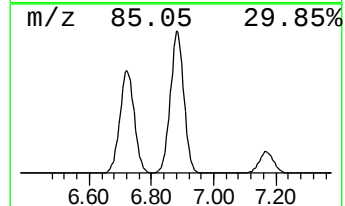
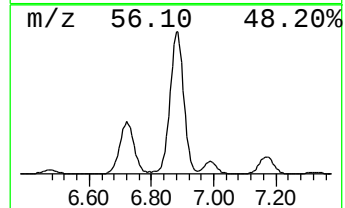
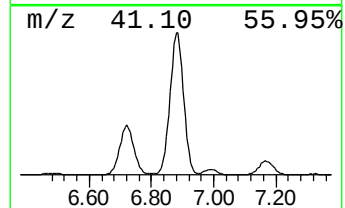
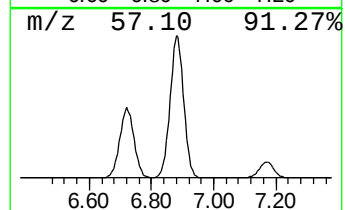
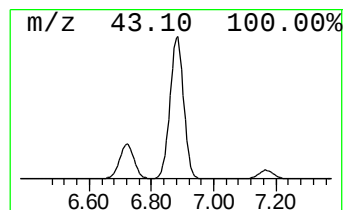
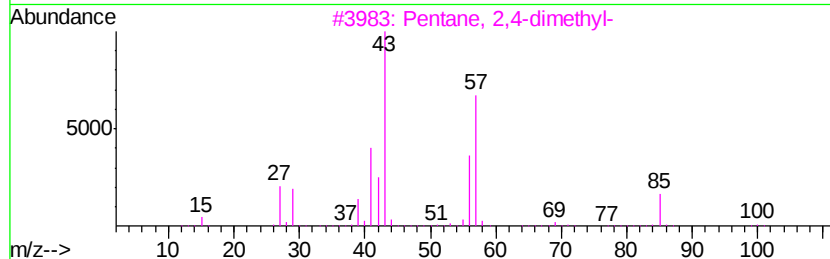
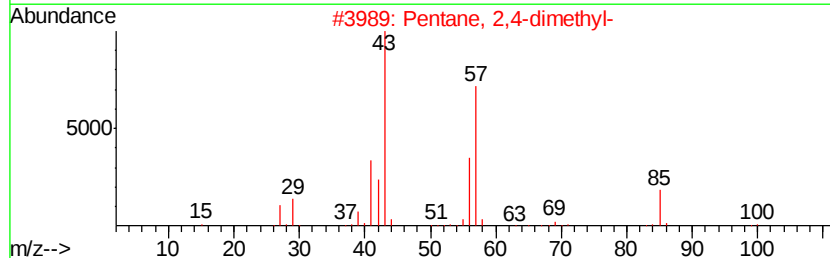
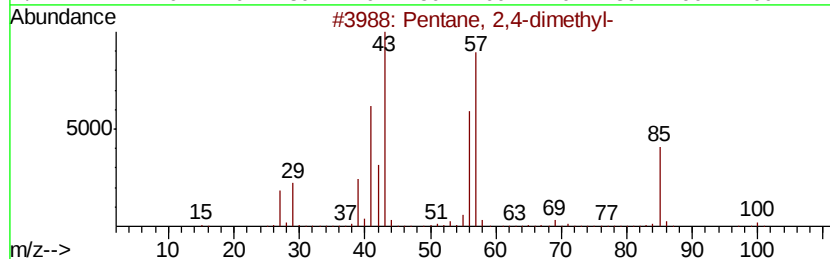
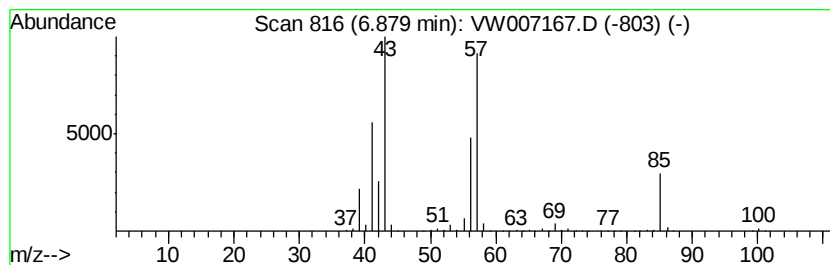
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Quant Title : VOC Analysis

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

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 75

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.88	2.57 ug/L	2942550	1,4-Difluorobenzene	8.85

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl-			100	C7H16	000108-08-7	94
2	Pentane, 2,4-dimethyl-			100	C7H16	000108-08-7	91
3	Pentane, 2,4-dimethyl-			100	C7H16	000108-08-7	91
4	Hexane, 2-methyl-			100	C7H16	000591-76-4	64
5	Hexane, 2,4-dimethyl-			114	C8H18	000589-43-5	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
F9Y09

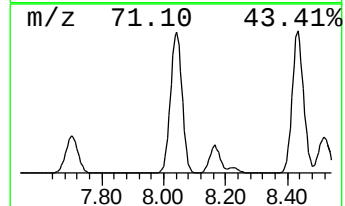
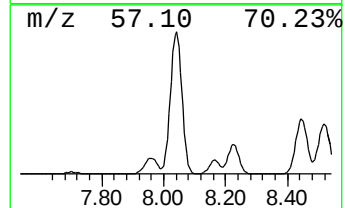
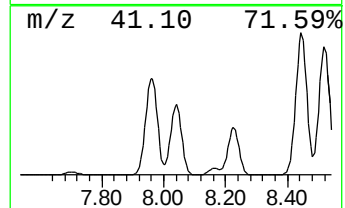
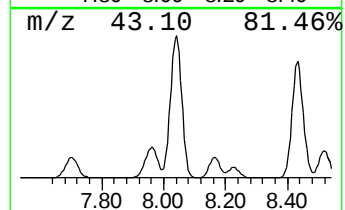
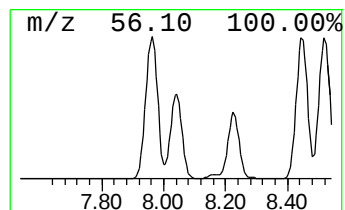
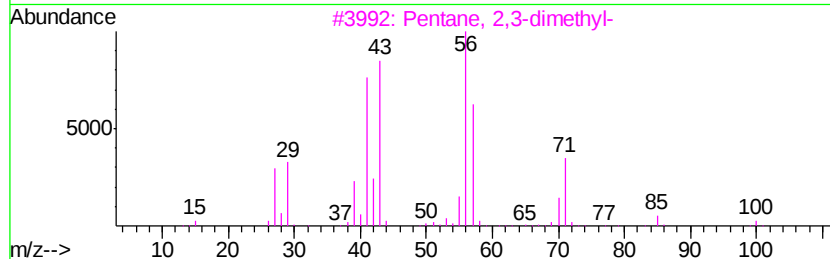
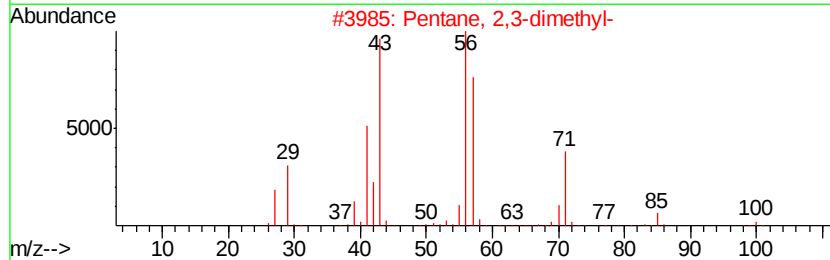
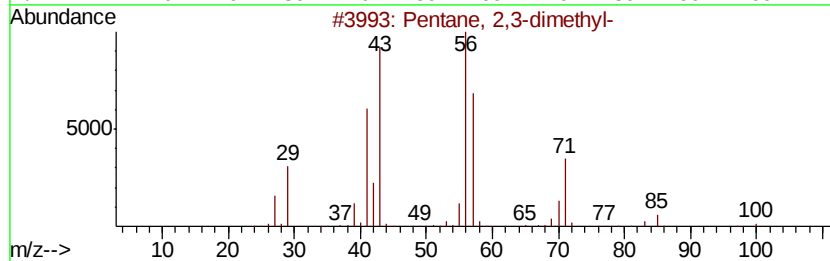
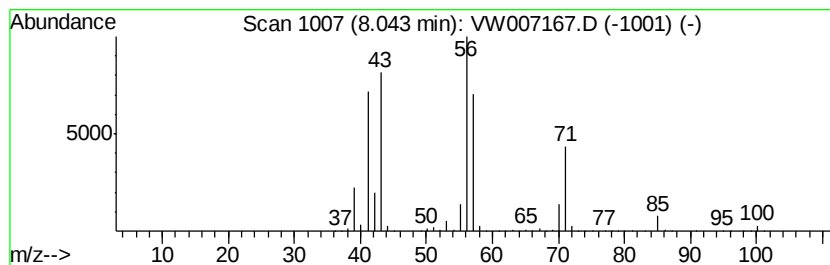
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Quant Title : VOC Analysis

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

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.04	7.73 ug/L	8850330	1,4-Difluorobenzene	8.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
2		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
3		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	90
4		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	87
5		Hexane, 3-methyl-	100	C7H16	000589-34-4	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9Y09

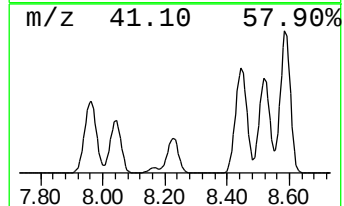
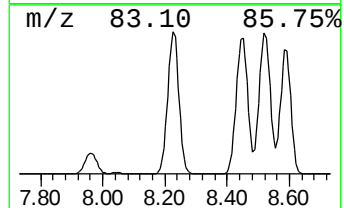
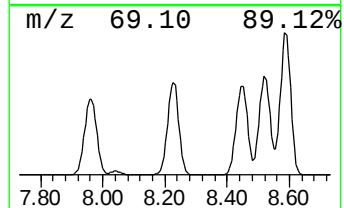
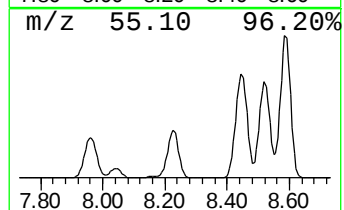
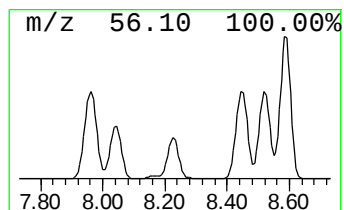
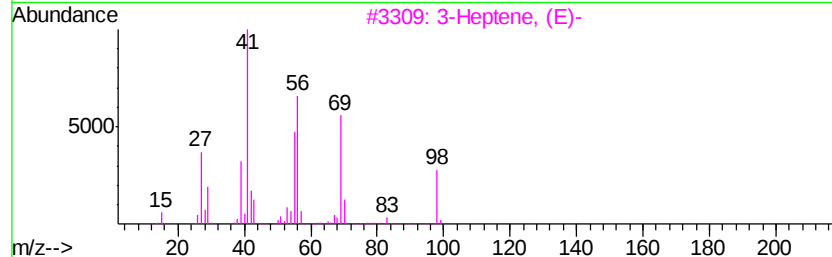
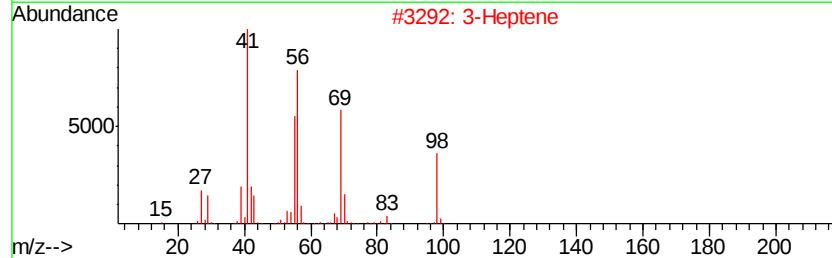
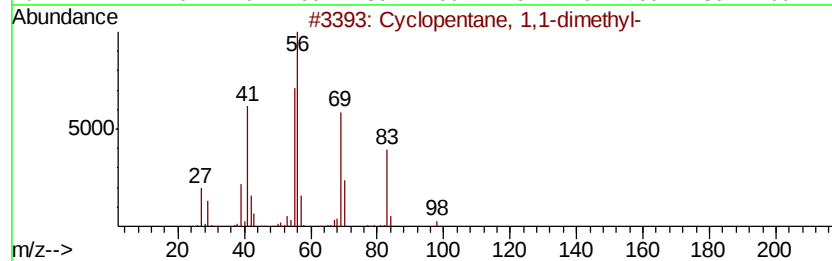
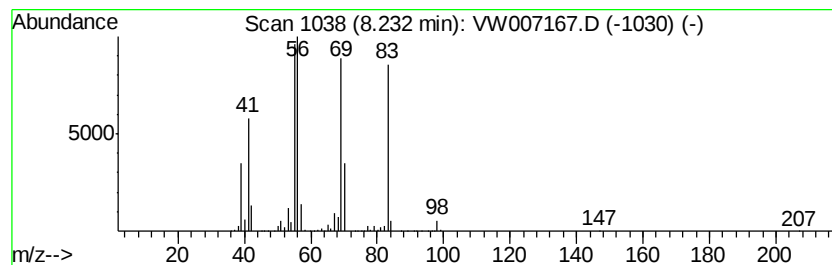
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Quant Title : VOC Analysis

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

Peak Number 6 (DEL) Alkane: Cyclic8.23 Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.23	8.48 ug/L	9702250	1,4-Difluorobenzene	8.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	72
2		3-Heptene	98	C7H14	000592-78-9	68
3		3-Heptene, (E)-	98	C7H14	014686-14-7	43
4		1-Pentene, 3-ethyl-	98	C7H14	004038-04-4	38
5		2-Pentene, 4,4-dimethyl-, (Z)-	98	C7H14	000762-63-0	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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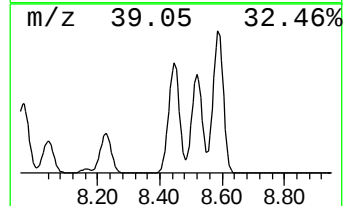
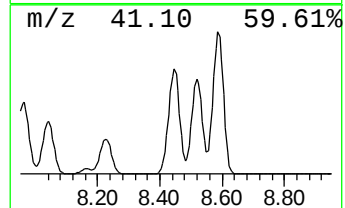
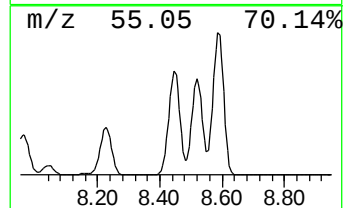
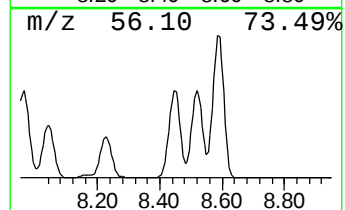
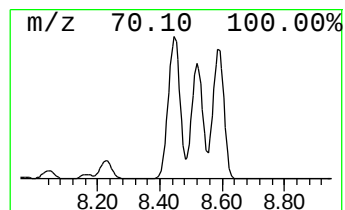
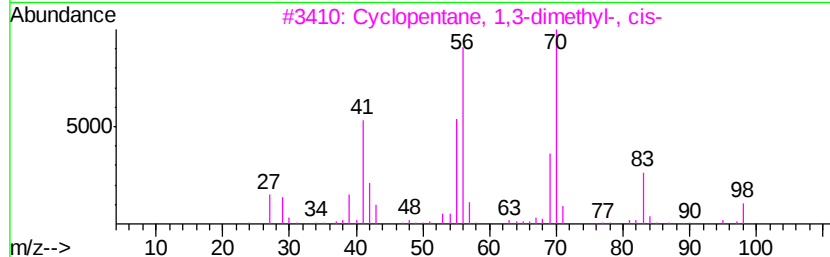
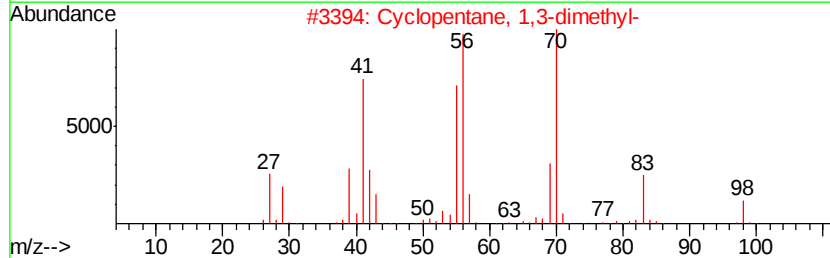
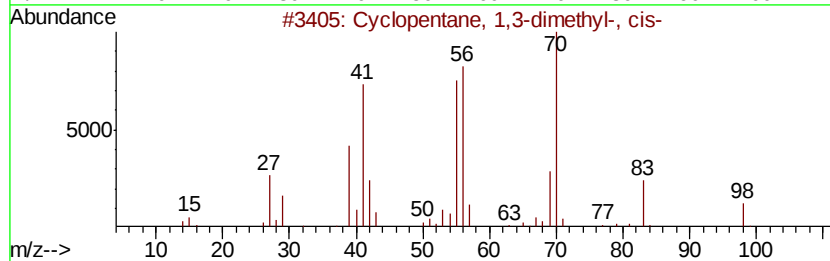
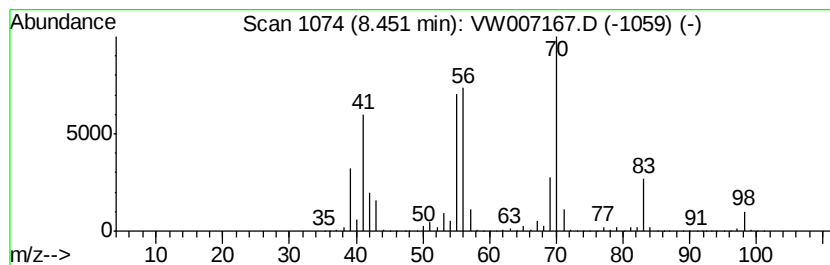
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Quant Title : VOC Analysis

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

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.45	21.79 ug/L	24948800	1,4-Difluorobenzene	8.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	97
2		Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	95
3		Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	90
4		Isopropylcyclobutane	98	C7H14	000872-56-0	72
5		Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	70



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9Y09

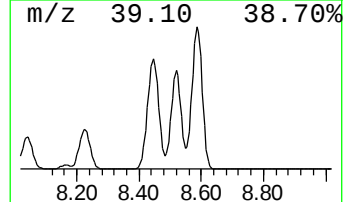
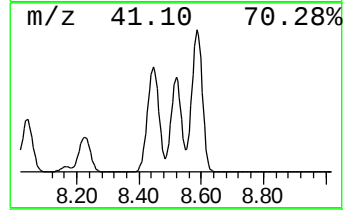
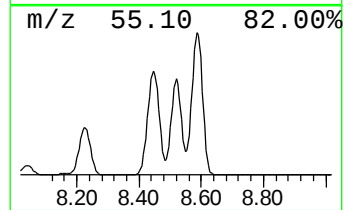
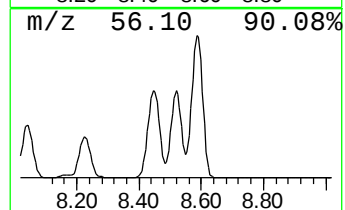
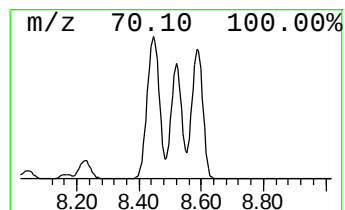
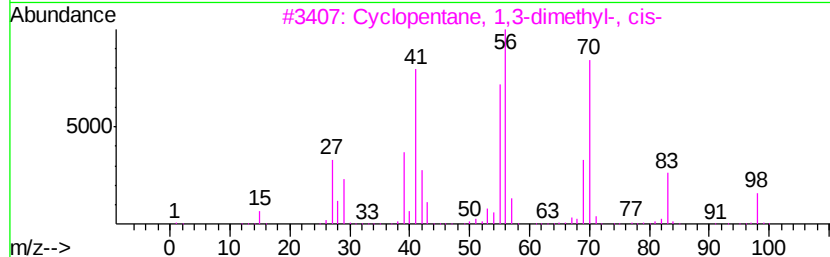
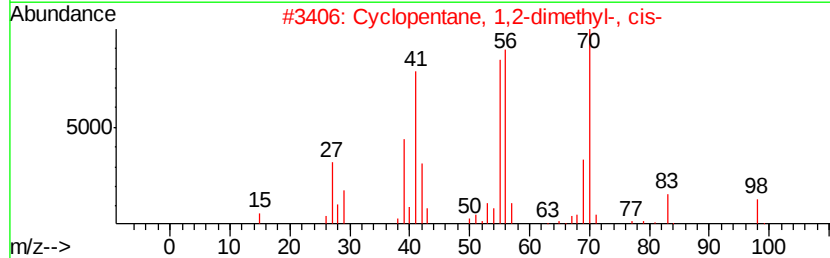
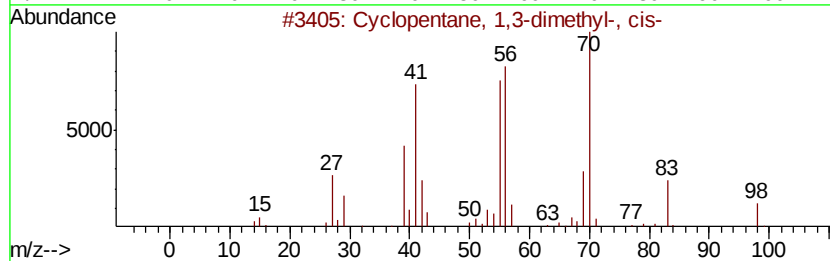
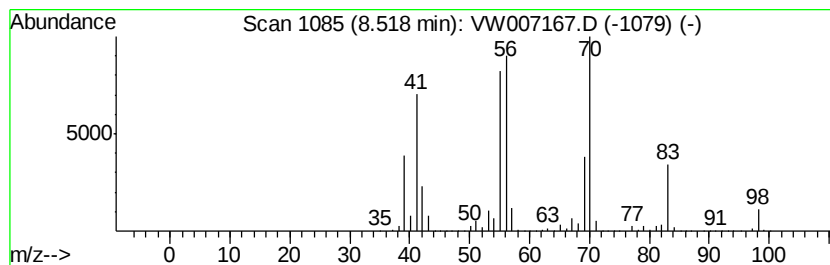
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Quant Title : VOC Analysis

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.52	17.35 ug/L	19865200	1,4-Difluorobenzene	8.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	97
2		Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	94
3		Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	94
4		Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	93
5		Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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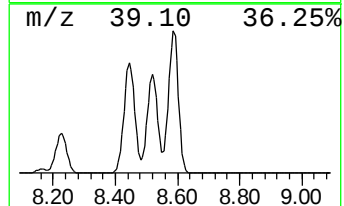
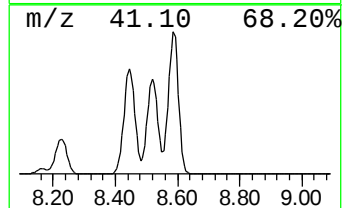
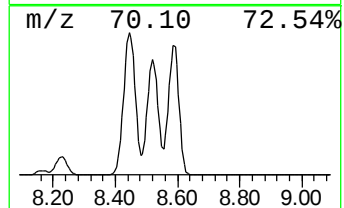
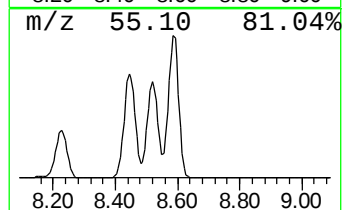
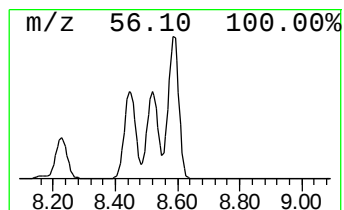
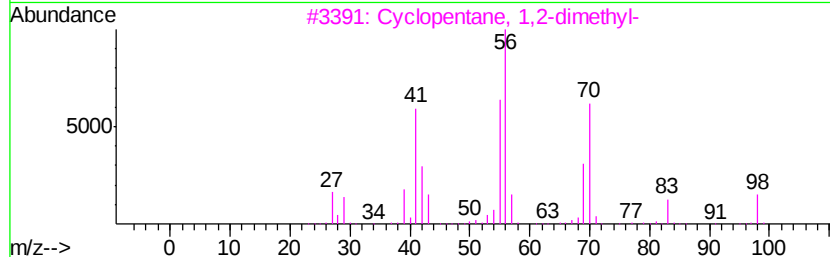
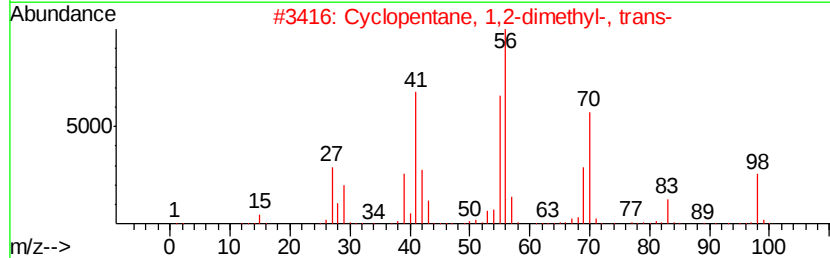
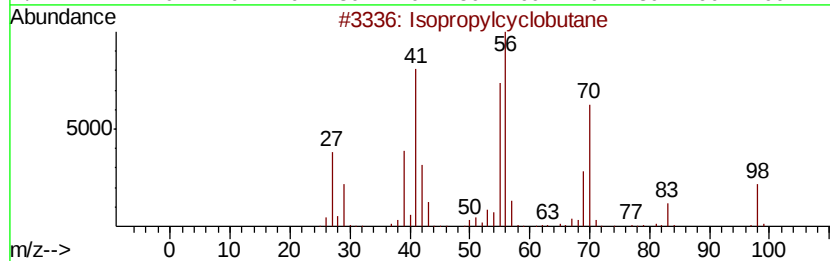
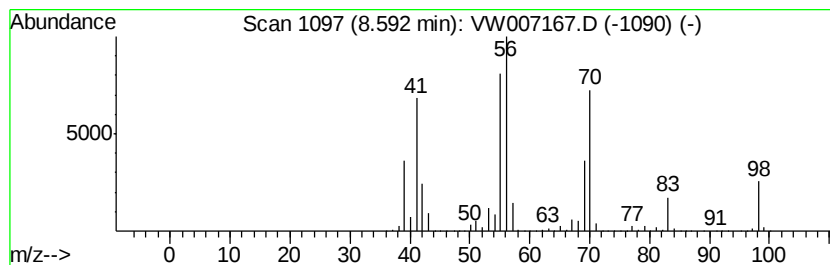
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Quant Title : VOC Analysis

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

Peak Number 9 (DEL) Alkane: Cyclic8.59 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.59	25.00 ug/L	28620000	1,4-Difluorobenzene	8.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Isopropylcyclobutane	98	C7H14	000872-56-0	95
2		Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	95
3		Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	94
4		Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	91
5		Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9Y09

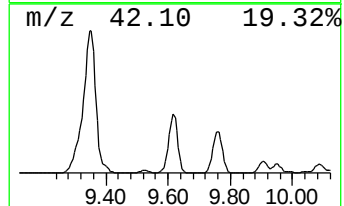
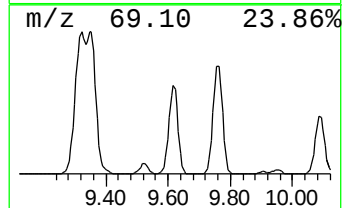
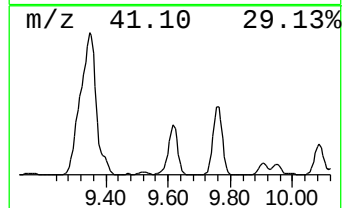
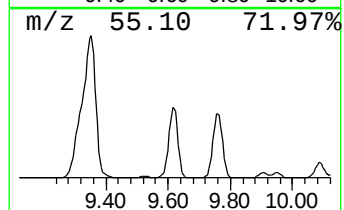
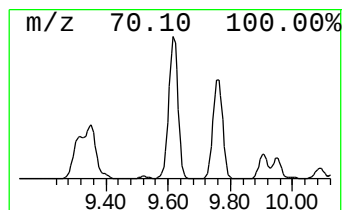
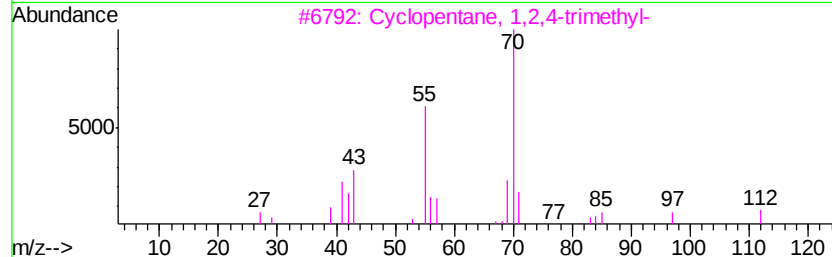
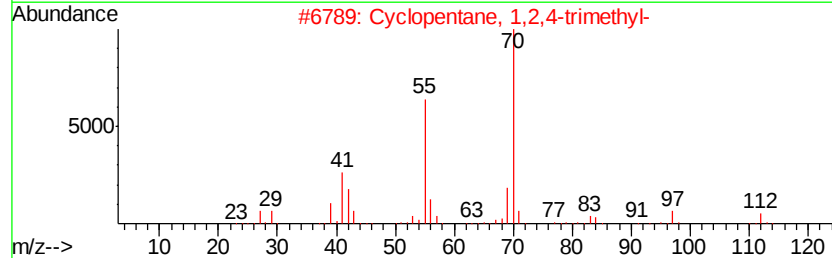
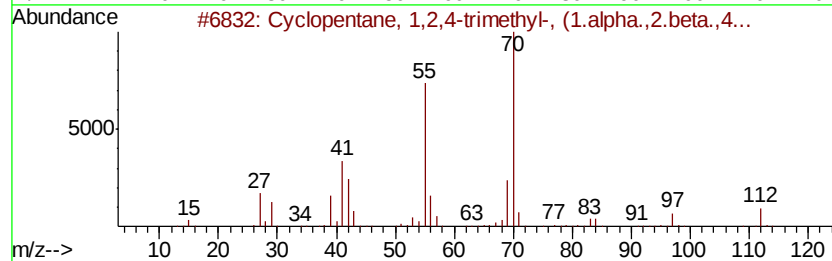
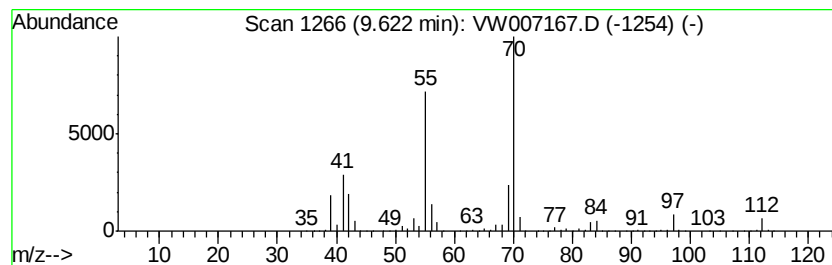
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Quant Title : VOC Analysis

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

Peak Number 10 (DEL) Alkane: Cyclic9.62 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.62	15.15 ug/L	17339700	1,4-Difluorobenzene	8.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	94
2		Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	94
3		Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	91
4		Hexane, 2-methyl-4-methylene-	112	C8H16	003404-80-6	90
5		Hexane, 2-methyl-4-methylene-	112	C8H16	003404-80-6	78



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9Y09

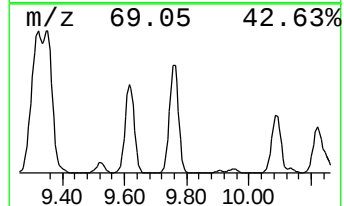
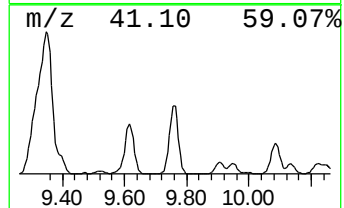
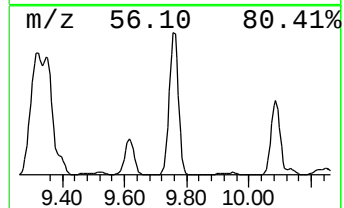
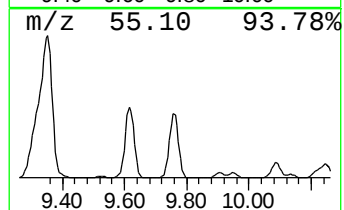
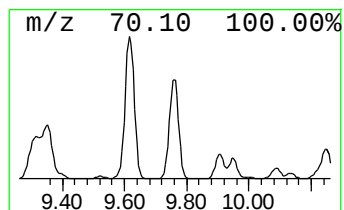
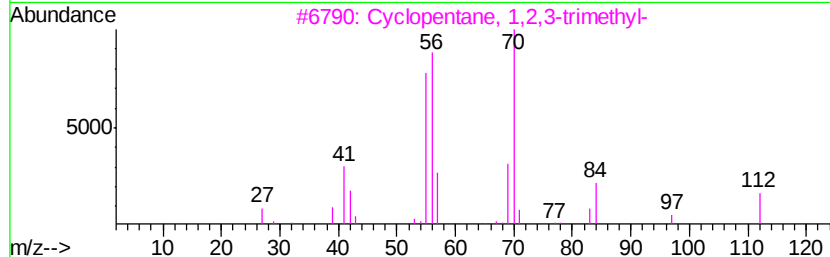
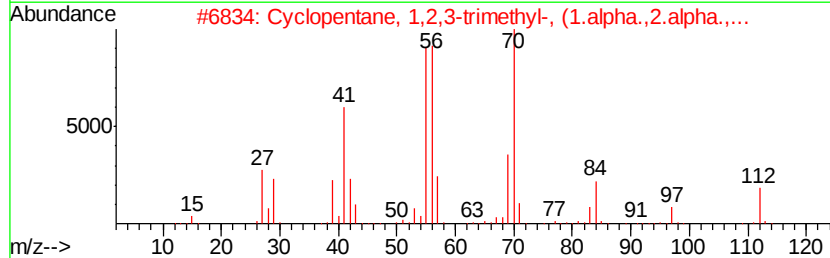
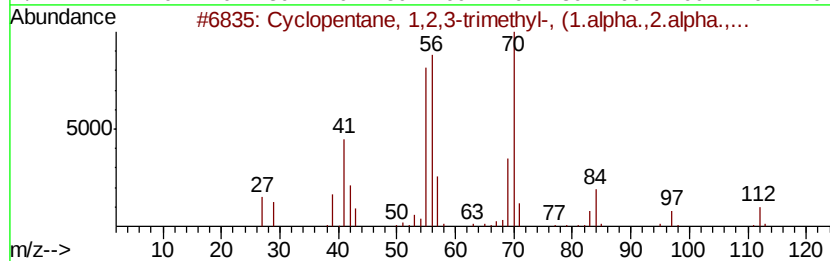
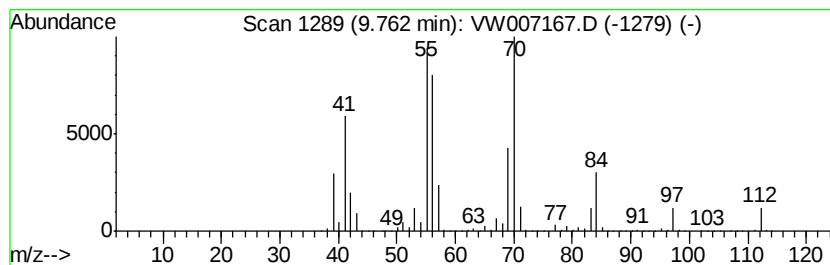
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Quant Title : VOC Analysis

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

Peak Number 11 (DEL) Alkane: Cyclic9.76 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.76	16.92 ug/L	19365600	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	94
2		Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	94
3		Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	91
4		1-Heptene, 3-methyl-	112	C8H16	004810-09-7	74
5		trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9Y09

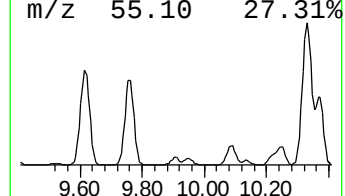
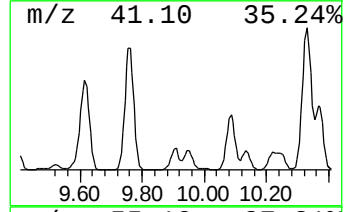
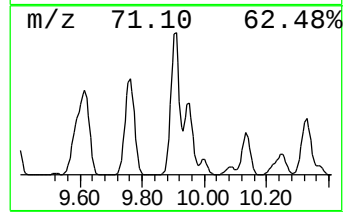
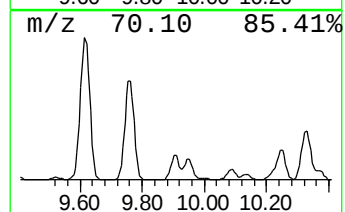
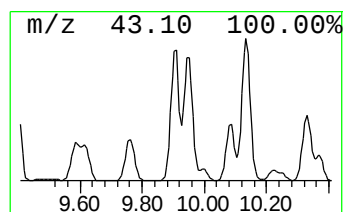
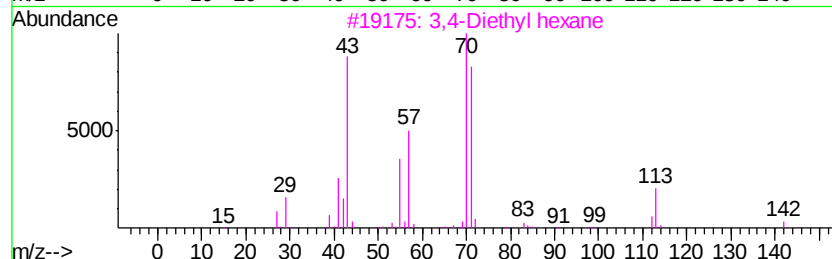
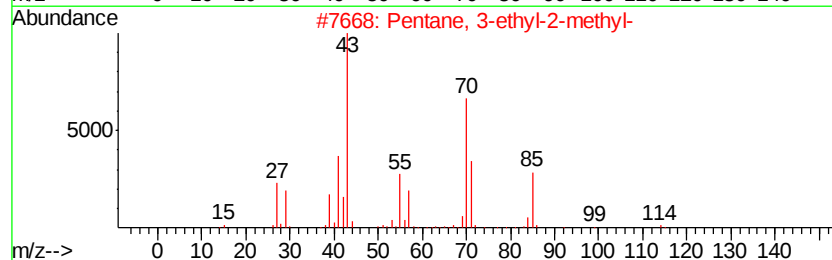
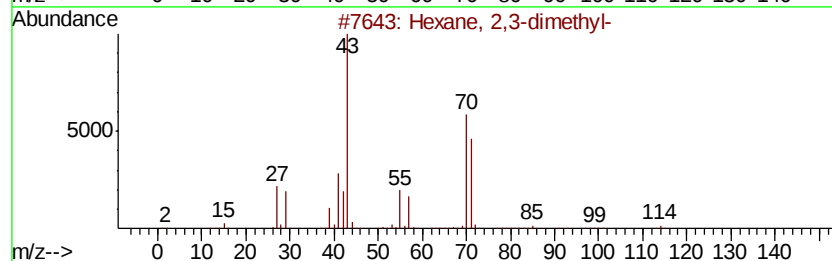
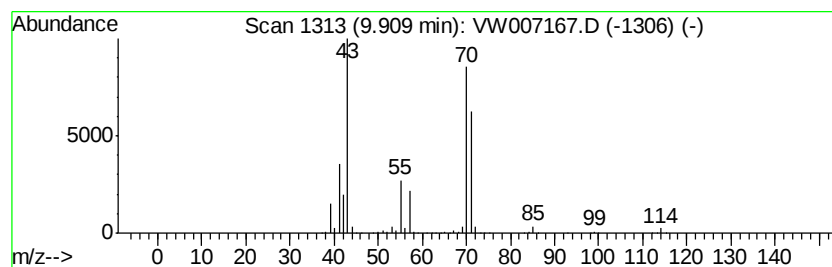
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Quant Title : VOC Analysis

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

Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 72

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.91	2.86 ug/L	3277620	1,4-Difluorobenzene	8.85

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	91
2			Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	80
3			3,4-Diethyl hexane	142	C10H22	019398-77-7	78
4			Octane, 4,5-dimethyl-	142	C10H22	015869-96-2	74
5			Heptane, 4-methyl-	114	C8H18	000589-53-7	74



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

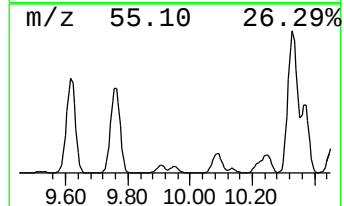
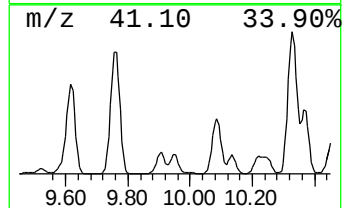
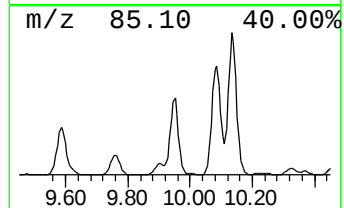
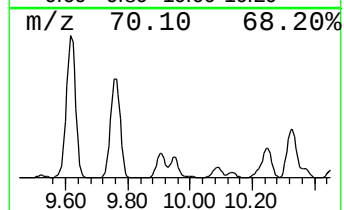
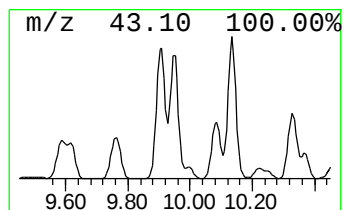
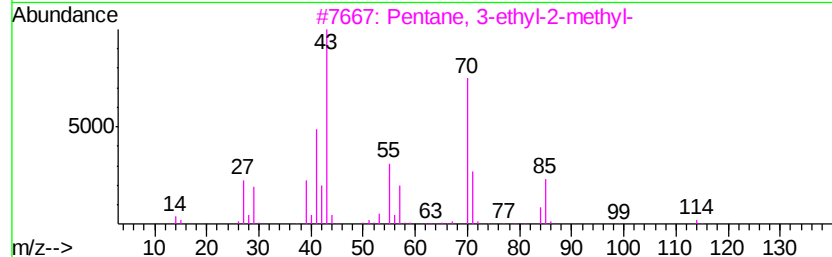
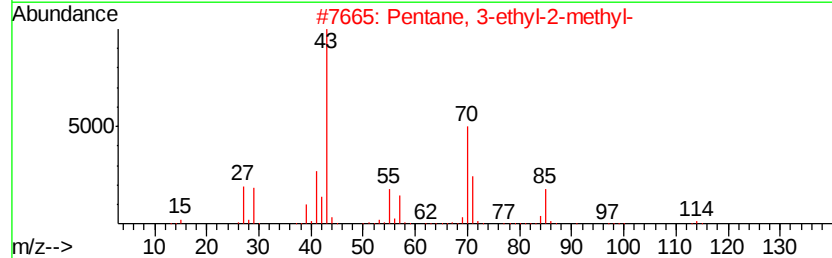
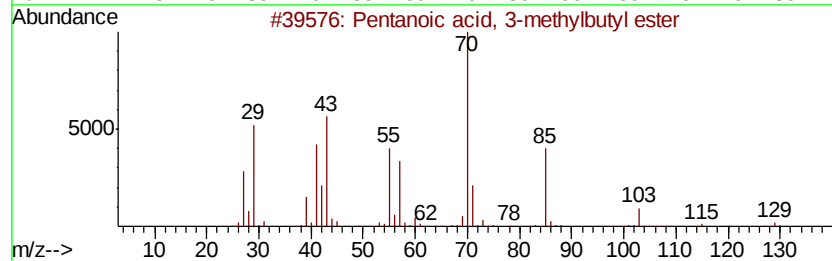
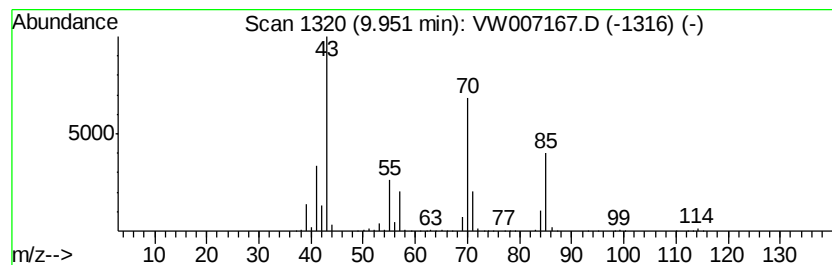
Instrument :
MSVOA_W
ClientSampleId :
F9Y09

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

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

Peak Number 13 Pentanoic acid, 3-methylbut... Concentration Rank 78

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.95	2.29 ug/L	2626040	1,4-Difluorobenzene	8.85
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Pentanoic acid, 3-methylbutyl ester	172 C10H20O2	002050-09-1 59
2		Pentane, 3-ethyl-2-methyl-	114 C8H18	000609-26-7 53
3		Pentane, 3-ethyl-2-methyl-	114 C8H18	000609-26-7 52
4		Pentane, 3-ethyl-2-methyl-	114 C8H18	000609-26-7 50
5		Hexane, 2,4-dimethyl-	114 C8H18	000589-43-5 47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

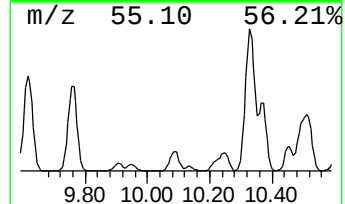
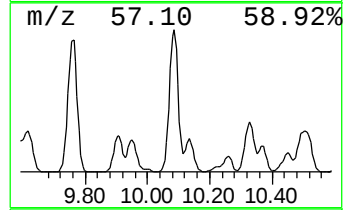
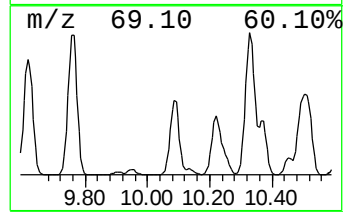
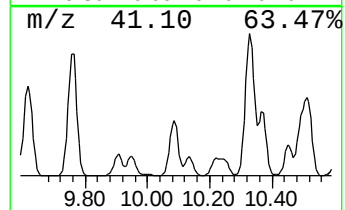
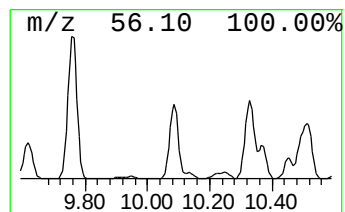
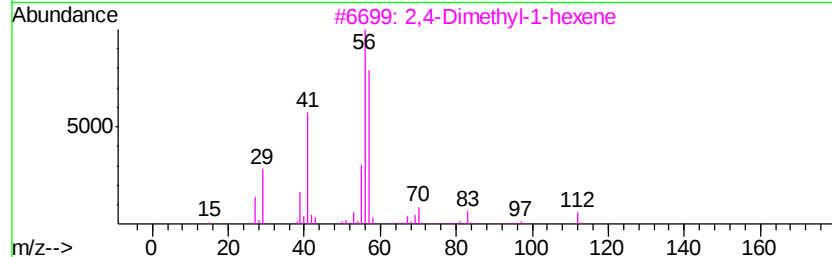
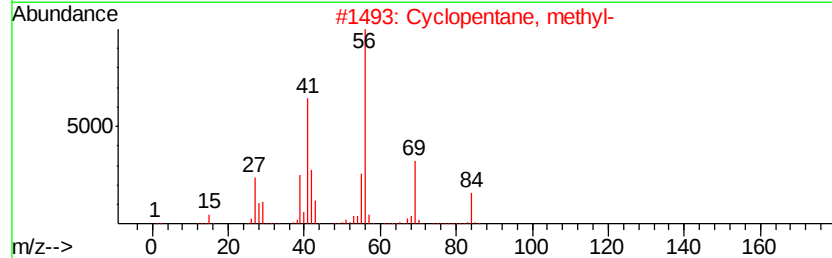
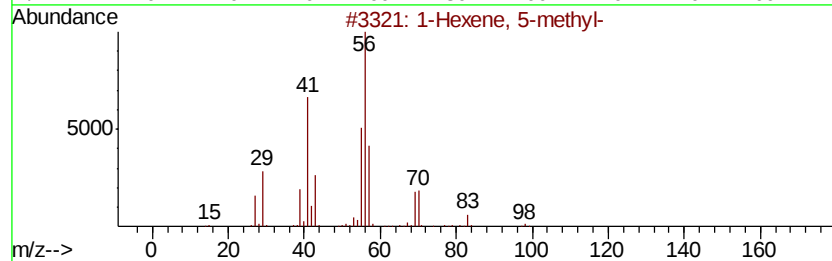
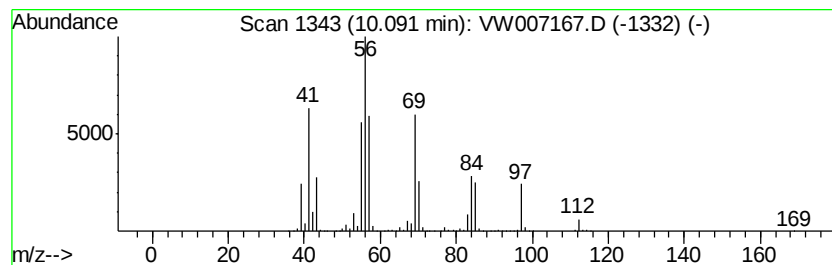
Instrument :
MSVOA_W
ClientSampleId :
F9Y09

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

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

Peak Number 14 (DEL) Alkane: Cyclic10.09 Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.09	6.42 ug/L	7354190	1,4-Difluorobenzene	8.85	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene, 5-methyl-	98	C7H14	003524-73-0	52
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	49
3	2,4-Dimethyl-1-hexene	112	C8H16	016746-87-5	46
4	Cyclopentane, 1,1,2-trimethyl-	112	C8H16	004259-00-1	43
5	2-Heptene, 6-methyl-	112	C8H16	073548-72-8	30



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9Y09

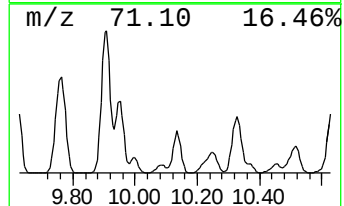
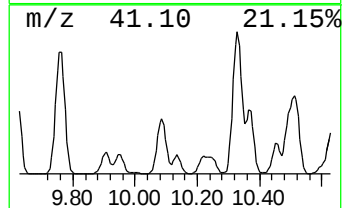
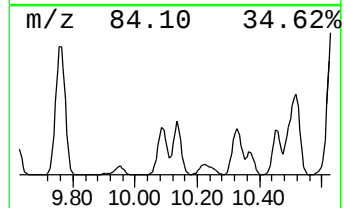
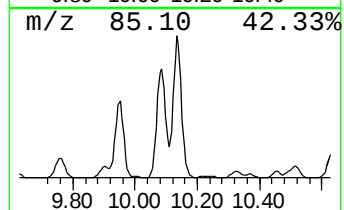
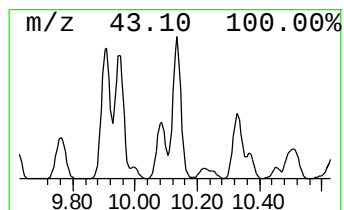
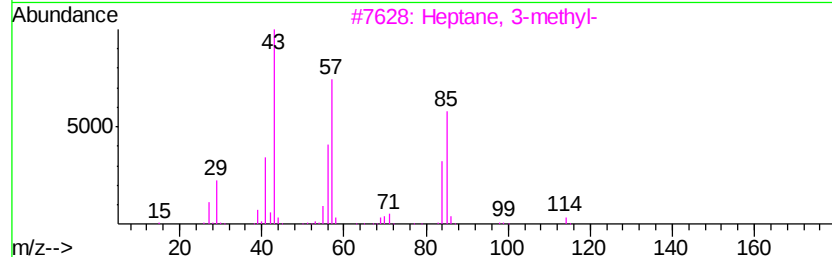
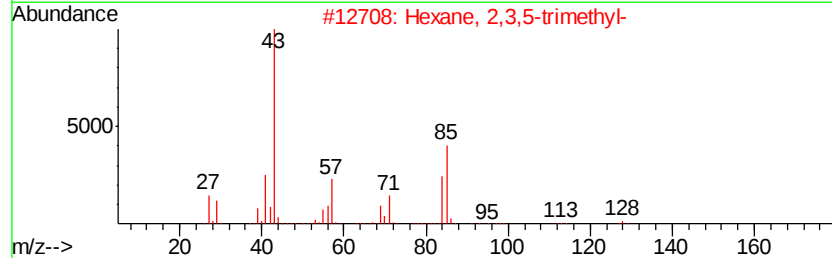
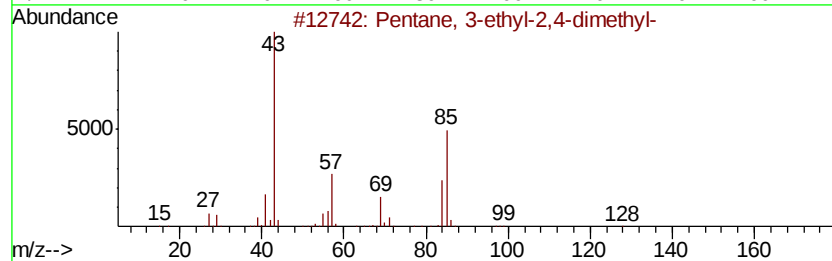
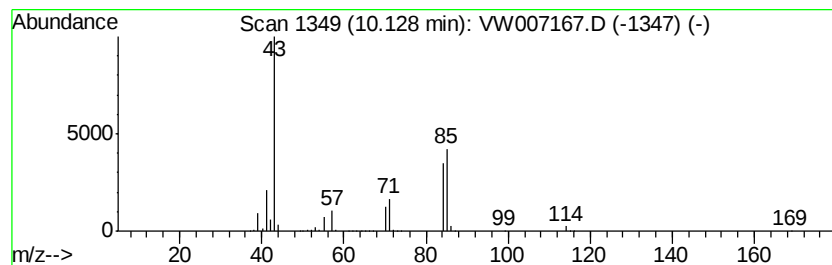
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Quant Title : VOC Analysis

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

Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 76

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.13	2.37 ug/L	2714620	1,4-Difluorobenzene	8.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane, 3-ethyl-2,4-dimethyl-	128	C9H20	001068-87-7	53
2		Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	53
3		Heptane, 3-methyl-	114	C8H18	000589-81-1	50
4		Methoxyacetic acid, 4-methylpent...	174	C9H18O3	1000282-41-2	50
5		Hexane, 3-ethyl-	114	C8H18	000619-99-8	49



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

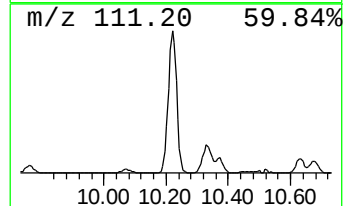
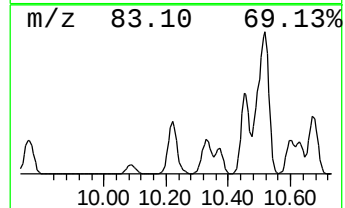
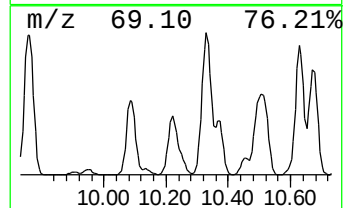
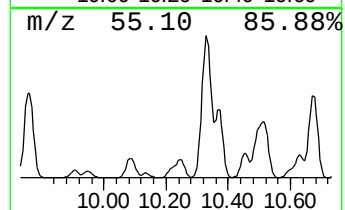
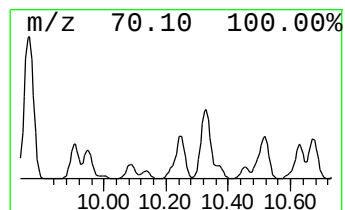
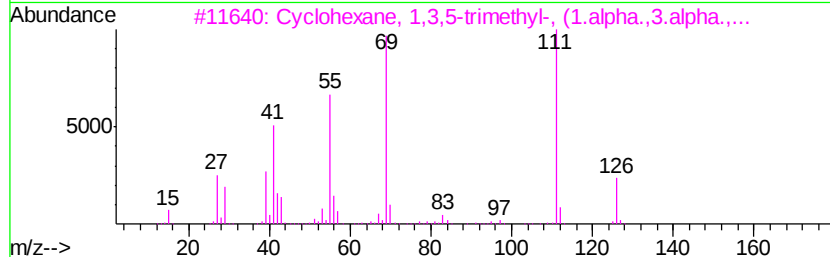
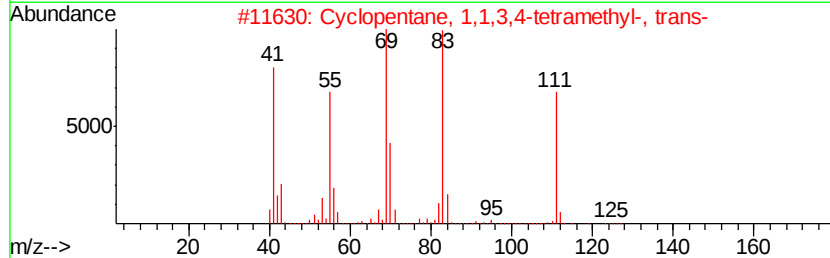
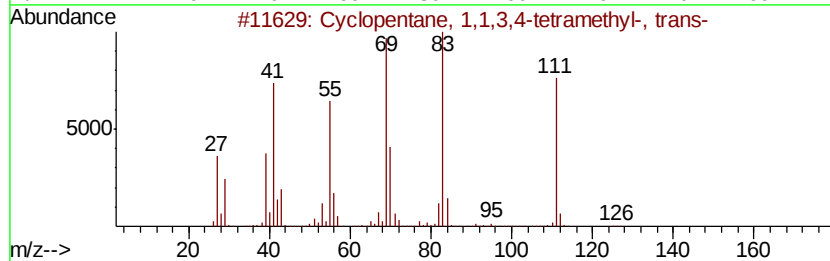
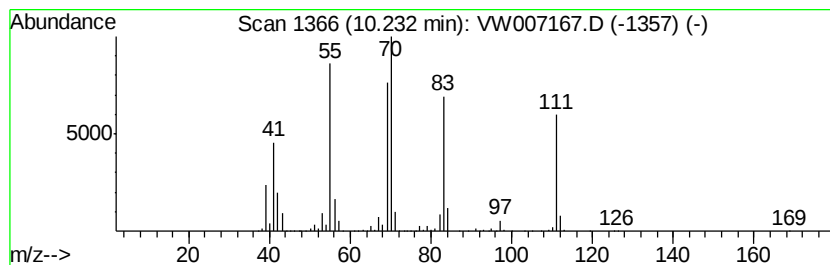
Instrument :
MSVOA_W
ClientSampleId :
F9Y09

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

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

Peak Number 16 (DEL) Alkane: Cyclic10.23 Concentration Rank 74

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.23	2.62 ug/L	2997920	1,4-Difluorobenzene	8.85
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclopentane, 1,1,3,4-tetramethy...	126 C9H18	020309-77-7 93
2		Cyclopentane, 1,1,3,4-tetramethy...	126 C9H18	020309-77-7 72
3		Cyclohexane, 1,3,5-trimethyl-, (...)	126 C9H18	001795-27-3 47
4		Cyclohexane, 1,3,5-trimethyl-	126 C9H18	001839-63-0 47
5		Cyclohexane, 1,3,5-trimethyl-, (...)	126 C9H18	001795-27-3 47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9Y09

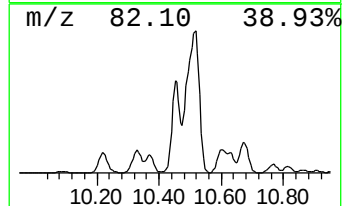
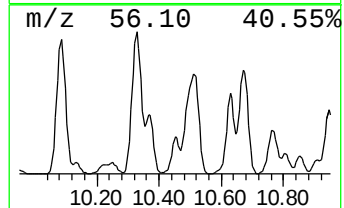
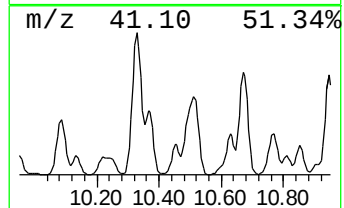
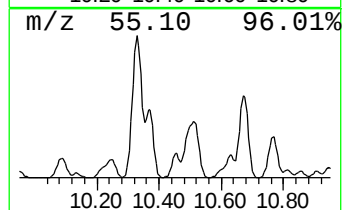
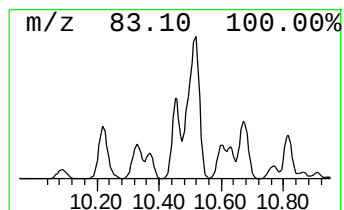
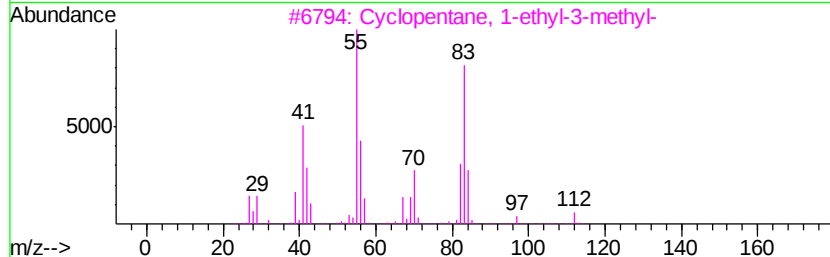
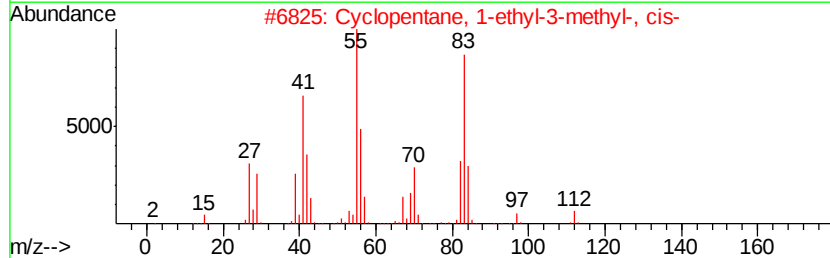
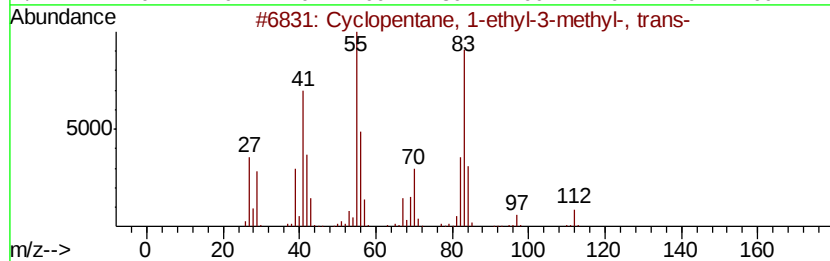
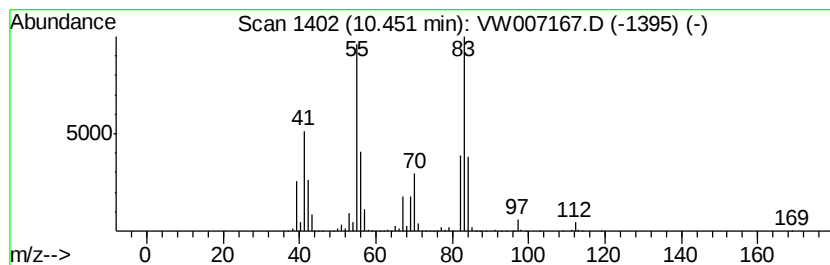
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Quant Title : VOC Analysis

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

Peak Number 17 (DEL) Alkane: Cyclic10.45 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.45	45.04 ug/L	4172730	Chlorobenzene-d5	11.63

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-65-2	96
2			Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-66-3	95
3			Cyclopentane, 1-ethyl-3-methyl-	112	C8H16	003726-47-4	62
4			3-Ethyl-2-hexene	112	C8H16	000620-00-8	59
5			Cyclopentane, 1-ethyl-1-methyl-	112	C8H16	016747-50-5	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

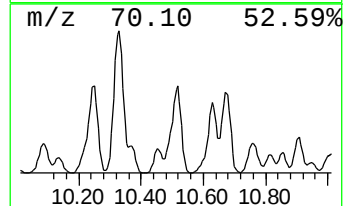
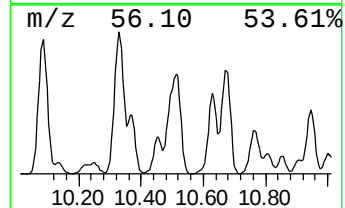
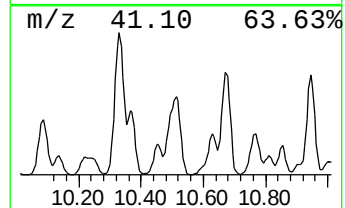
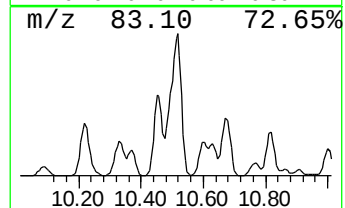
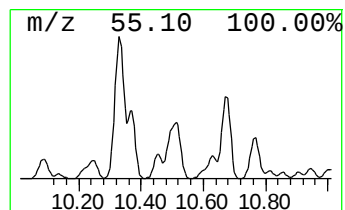
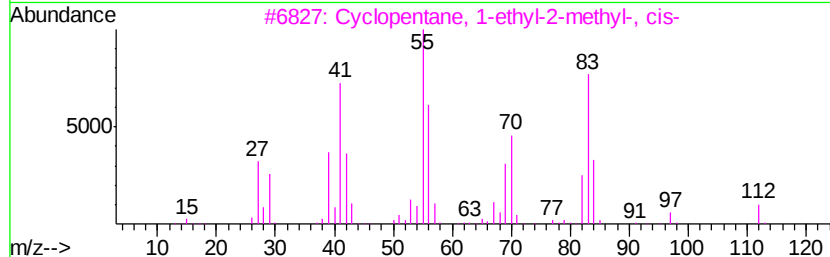
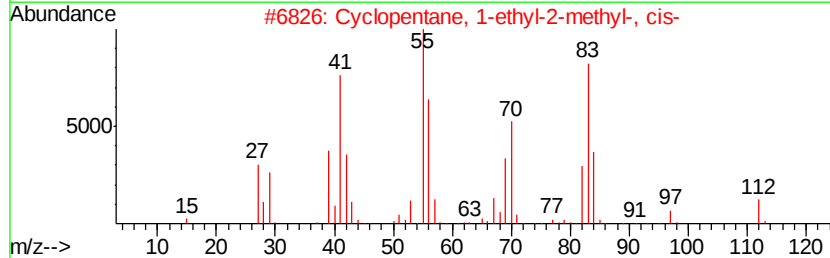
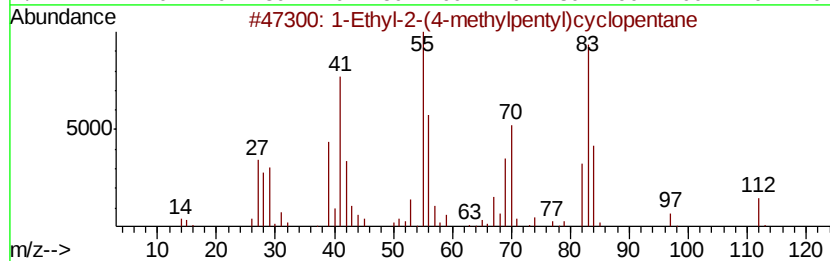
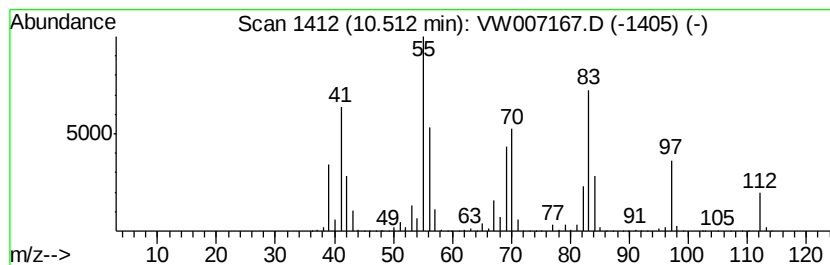
Instrument :
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ClientSampleId :
F9Y09

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Quant Title : VOC Analysis

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

Peak Number 18 (DEL) Alkane: Cyclic10.51 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.		
10.51	182.17 ug/L	16878500	Chlorobenzene-d5	11.63		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-2-(4-methylpentyl)cyclop...	182	C13H26		219726-60-0	83
2	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16		000930-89-2	80
3	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16		000930-89-2	64
4	Cyclooctane	112	C8H16		000292-64-8	62
5	Cyclooctane	112	C8H16		000292-64-8	58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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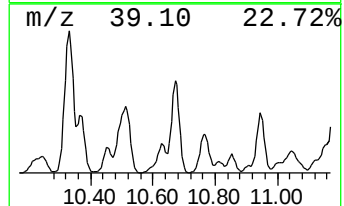
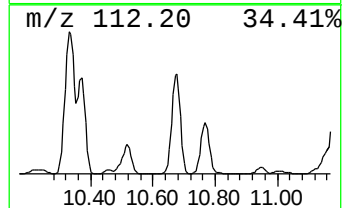
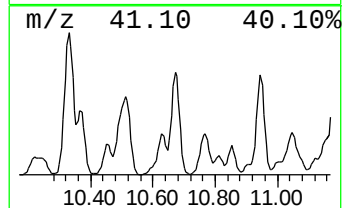
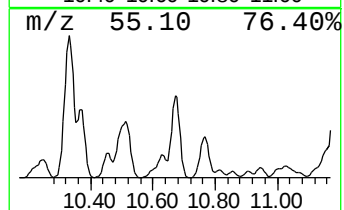
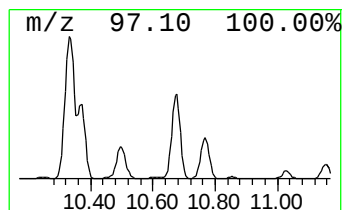
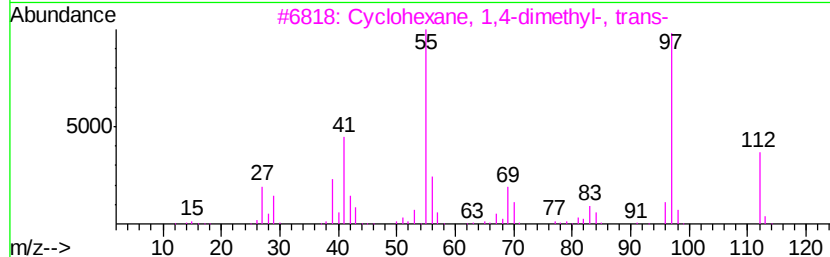
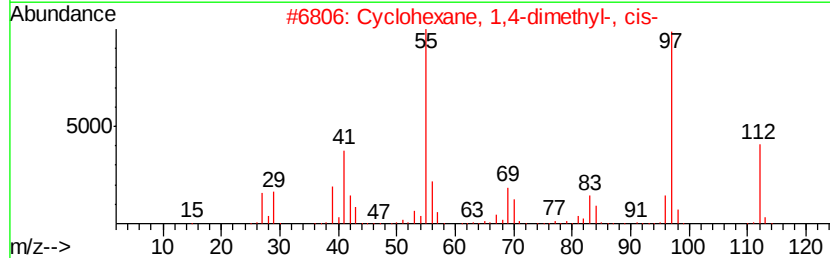
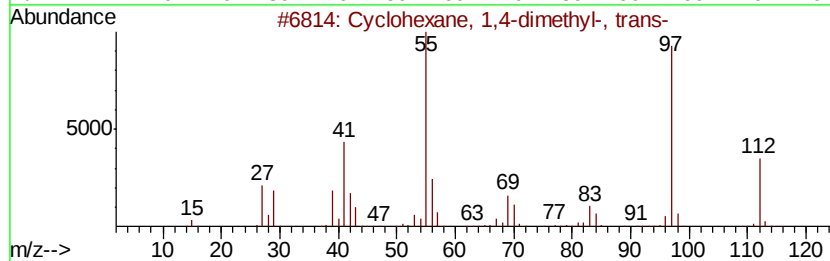
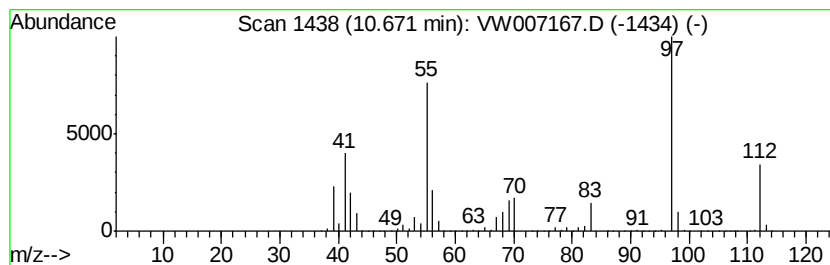
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Quant Title : VOC Analysis

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

Peak Number 19 (DEL) Alkane: Cyclic10.67 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.67	176.40 ug/L	16343900	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	90
2		Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	90
3		Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	90
4		Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	90
5		Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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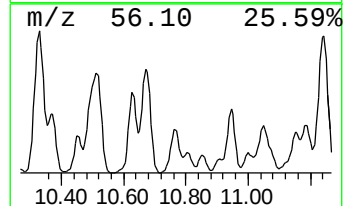
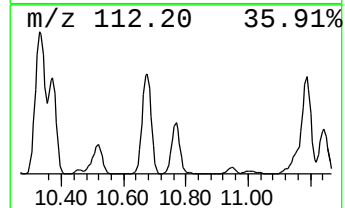
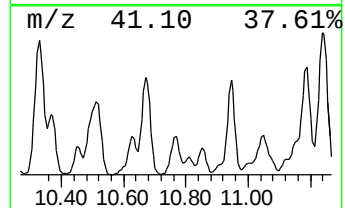
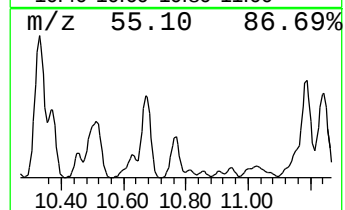
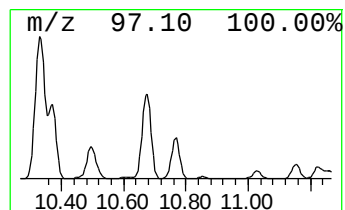
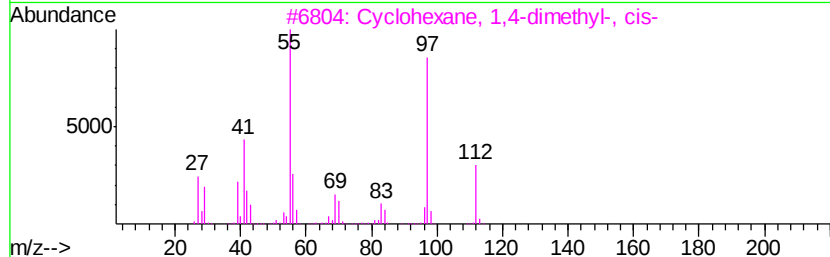
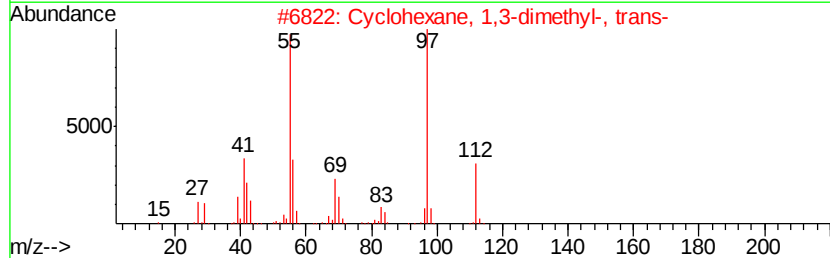
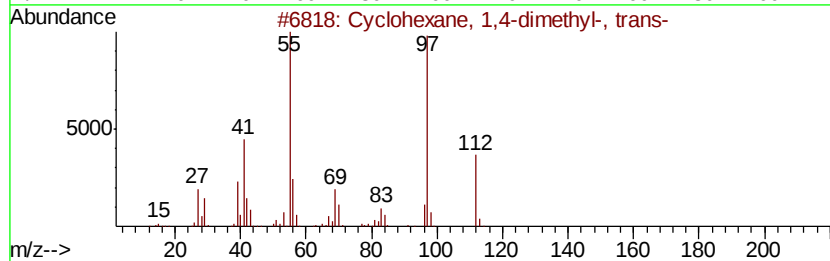
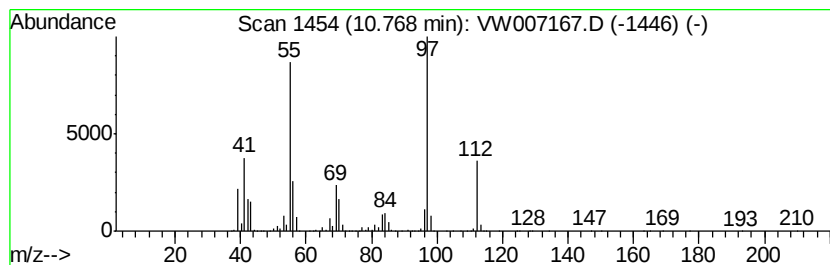
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Quant Title : VOC Analysis

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

Peak Number 20 (DEL) Alkane: Cyclic10.77 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	86.03 ug/L	7971130	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	97
2		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	97
3		Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	94
4		Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	94
5		Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	94



Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

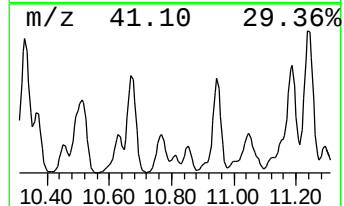
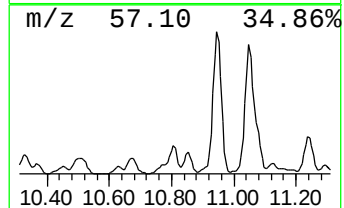
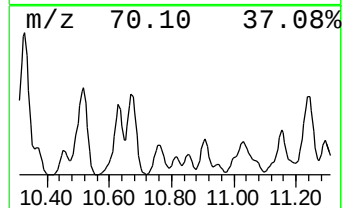
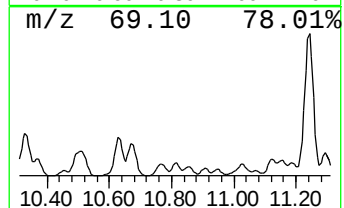
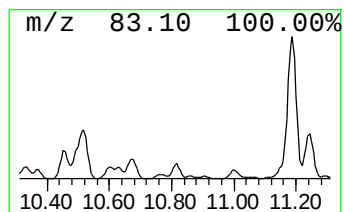
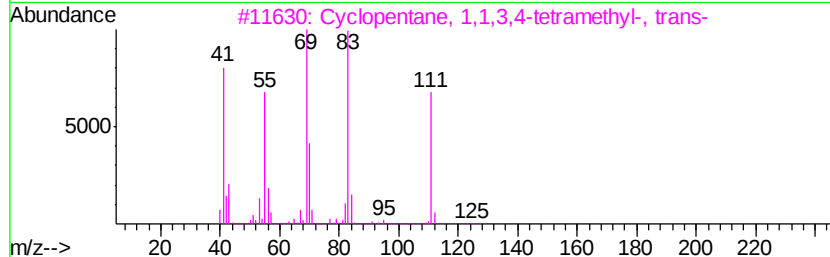
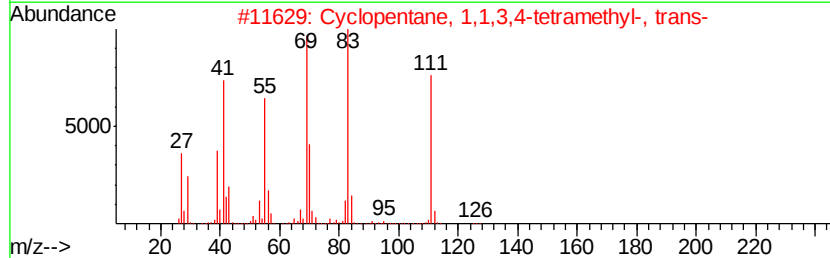
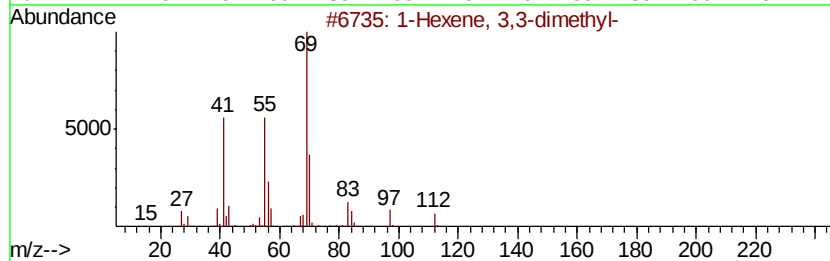
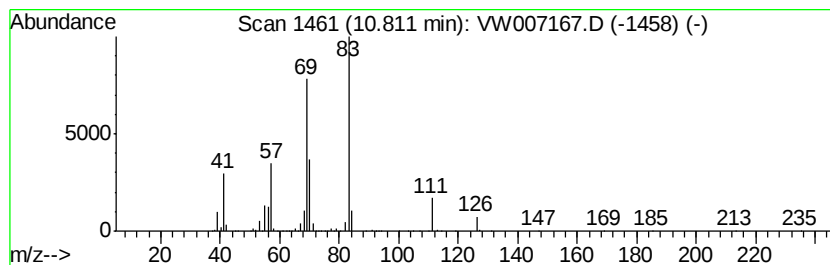
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ClientSampleId :
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Quant Title : VOC Analysis

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

Peak Number 21 (DEL) Alkane: Cyclic10.81 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.		
10.81	22.30 ug/L	2065910	Chlorobenzene-d5	11.63		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene, 3,3-dimethyl-		112	C8H16	003404-77-1	43
2	Cyclopentane, 1,1,3,4-tetramethyl-		126	C9H18	020309-77-7	42
3	Cyclopentane, 1,1,3,4-tetramethyl-		126	C9H18	020309-77-7	40
4	Heptane, 2-methyl-3-methylene-		126	C9H18	062187-11-5	38
5	1-Hexene, 3,3,5-trimethyl-		126	C9H18	013427-43-5	28



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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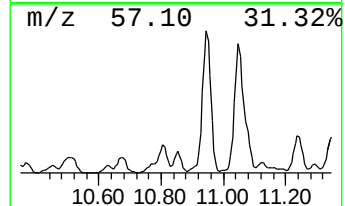
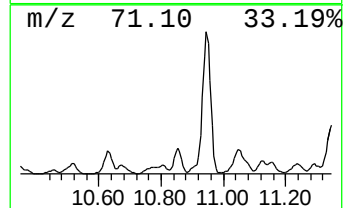
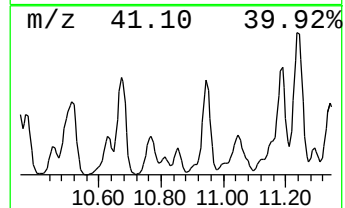
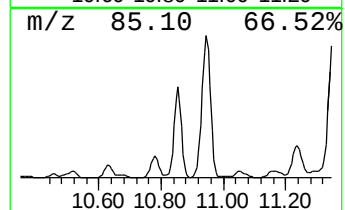
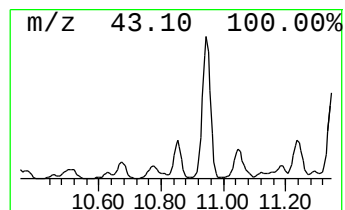
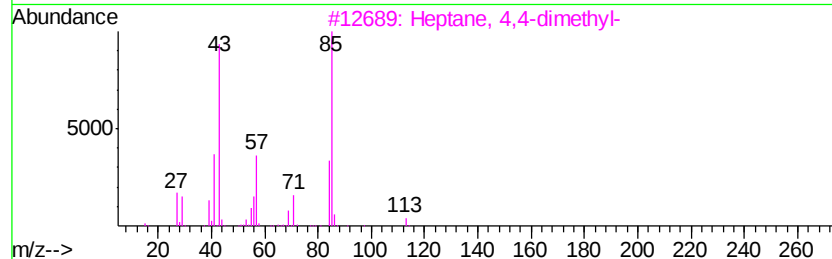
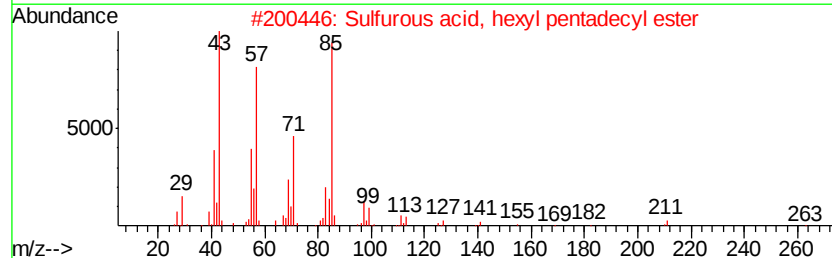
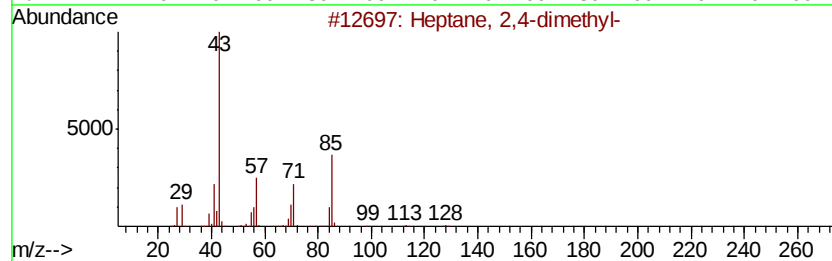
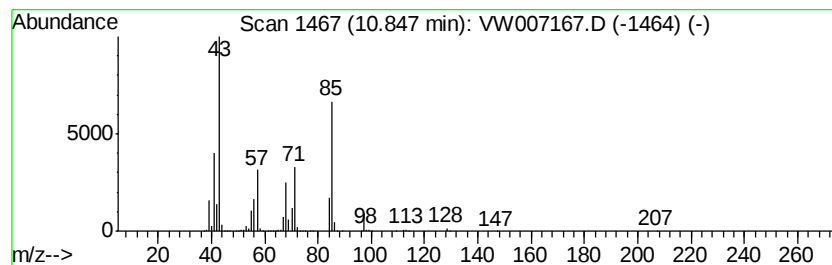
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Quant Title : VOC Analysis

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.85	34.80 ug/L	3224460	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	64
2		Sulfurous acid, hexyl pentadecyl...	376	C21H44O3S	1000309-13-7	59
3		Heptane, 4,4-dimethyl-	128	C9H20	001068-19-5	58
4		Heptane, 2,4,6-trimethyl-	142	C10H22	002613-61-8	53
5		Octane	114	C8H18	000111-65-9	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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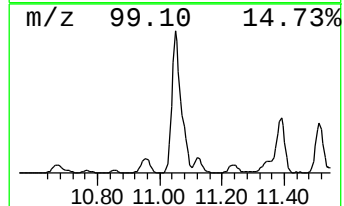
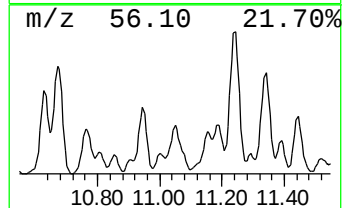
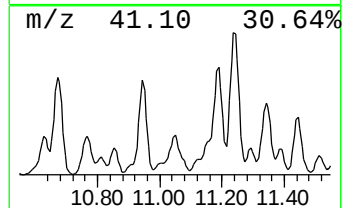
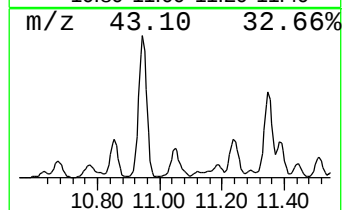
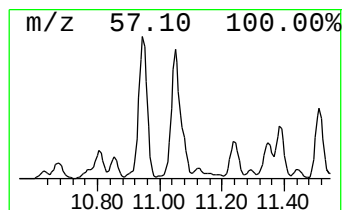
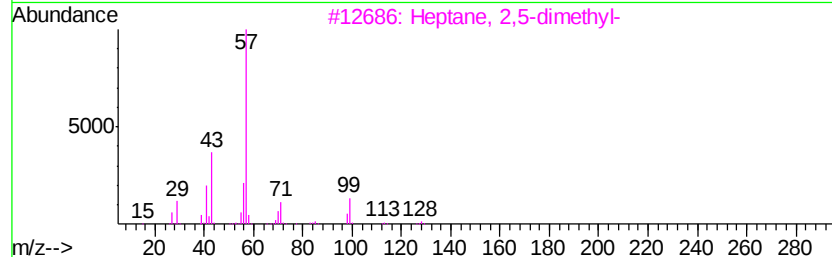
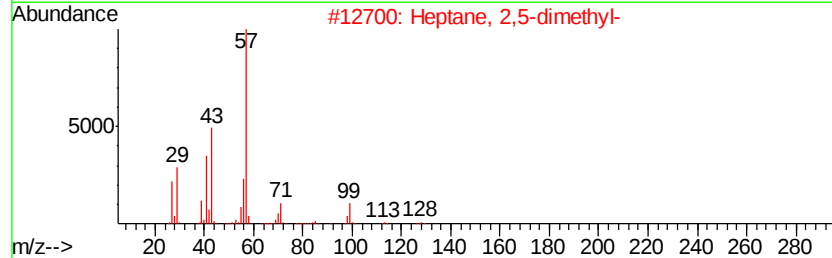
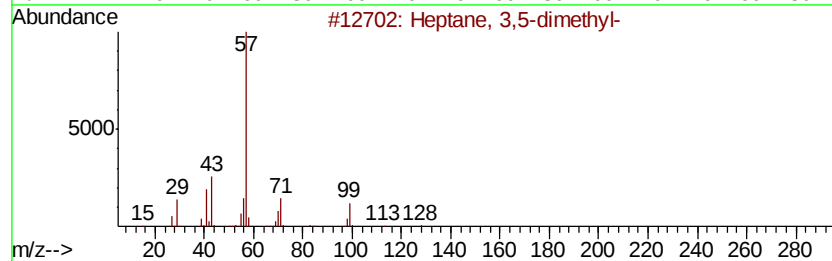
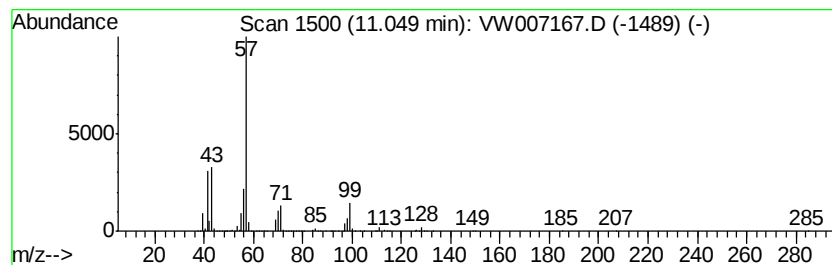
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Quant Title : VOC Analysis

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

Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.05	85.81 ug/L	7950290	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	87
2		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	87
3		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	87
4		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	83
5		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	80



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

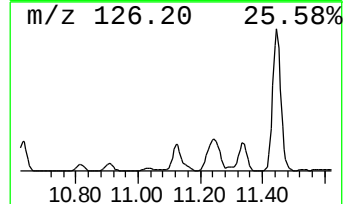
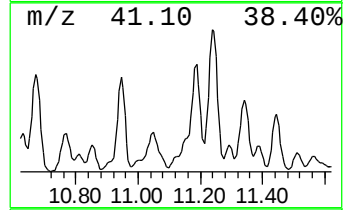
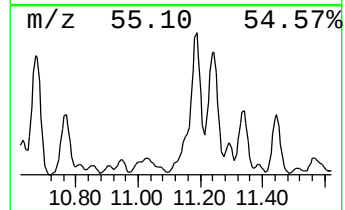
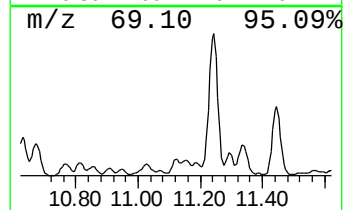
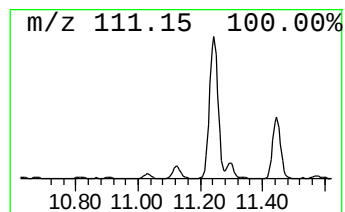
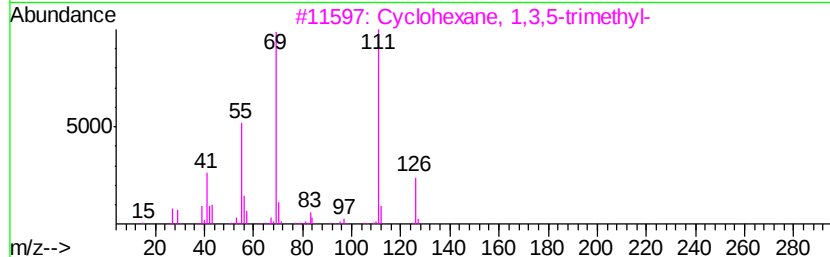
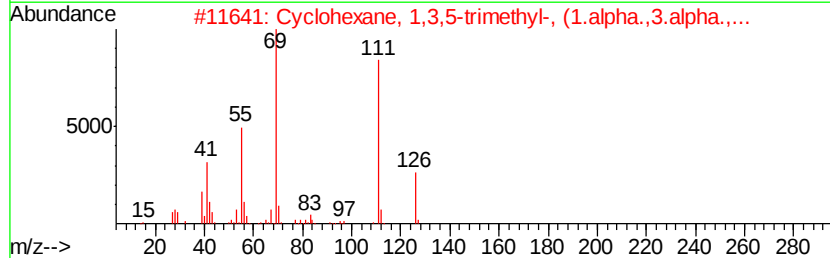
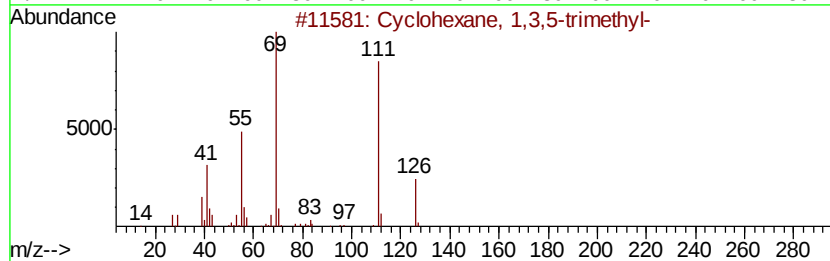
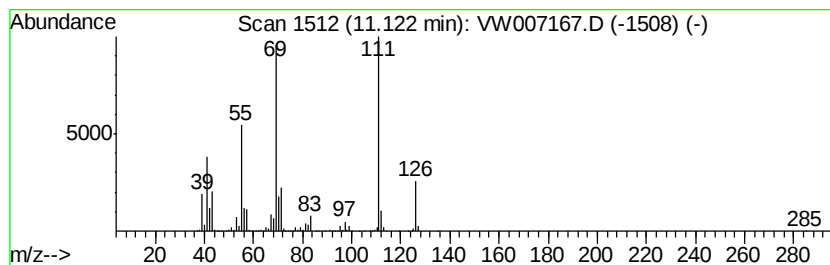
Instrument :
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ClientSampleId :
F9Y09

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

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

Peak Number 24 (DEL) Alkane: Cyclic11.12 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.12	16.41 ug/L	1520750	Chlorobenzene-d5	11.63		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cvclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	90
2		Cvclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	90
3		Cvclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	87
4		Cvclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	87
5		Cvclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

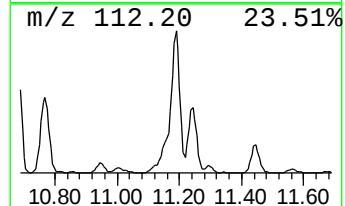
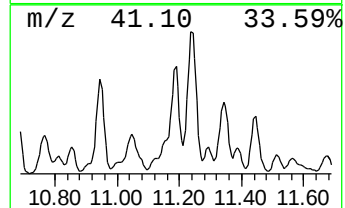
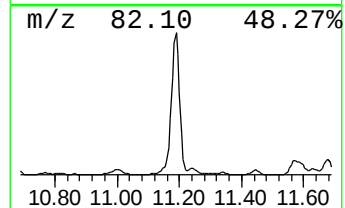
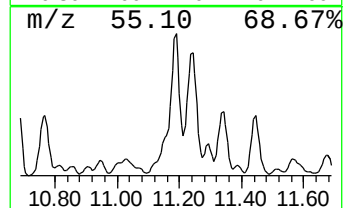
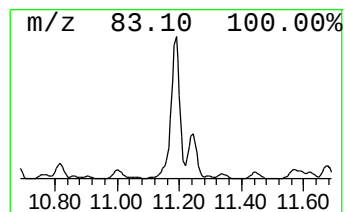
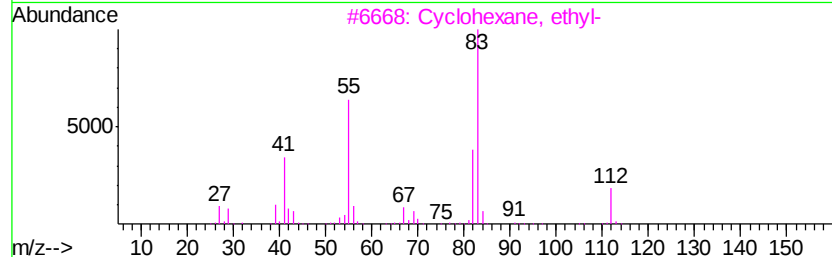
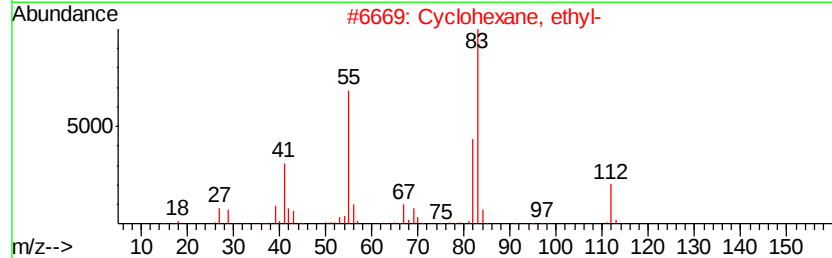
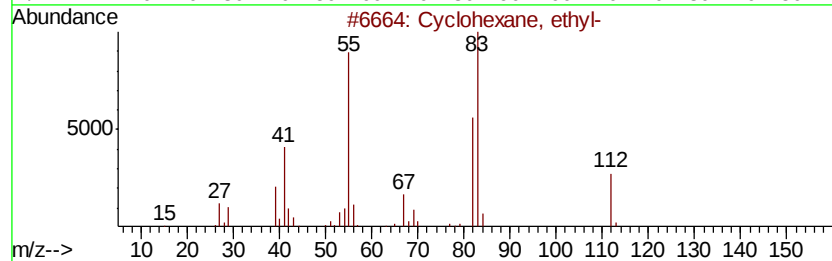
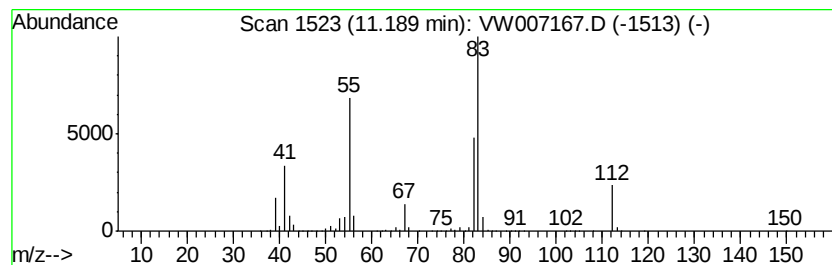
Instrument :
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

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

Peak Number 25 (DEL) Alkane: Cyclic11.19 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.19	228.51 ug/L	21172500	Chlorobenzene-d5	11.63	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cvclohexane, ethyl-	112	C8H16	001678-91-7	95
2	Cvclohexane, ethyl-	112	C8H16	001678-91-7	91
3	Cvclohexane, ethyl-	112	C8H16	001678-91-7	91
4	Cvclohexane, ethyl-	112	C8H16	001678-91-7	91
5	Cvclohexane, ethyl-	112	C8H16	001678-91-7	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

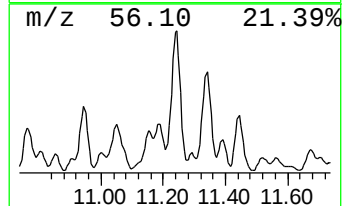
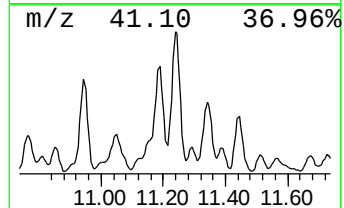
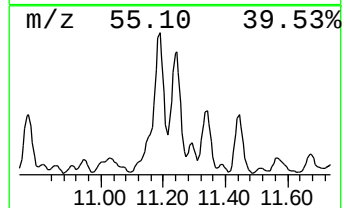
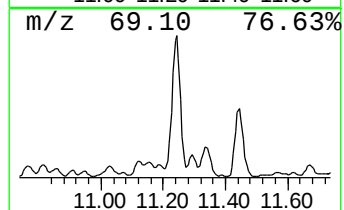
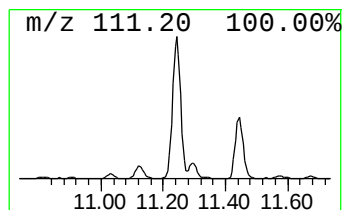
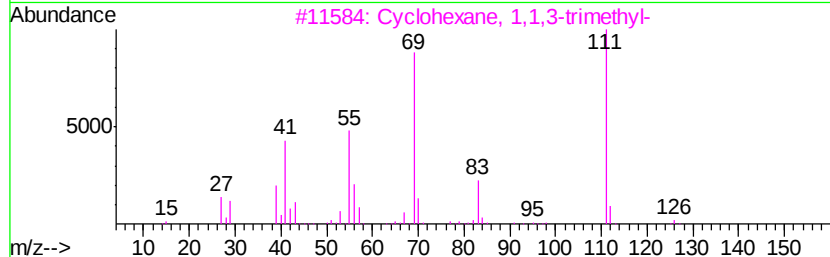
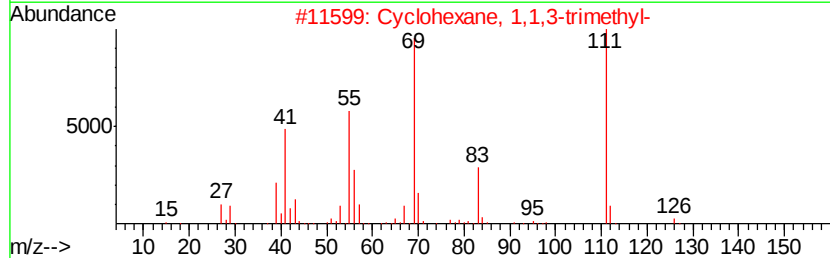
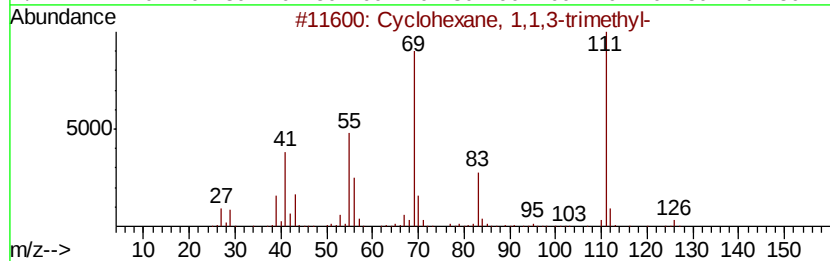
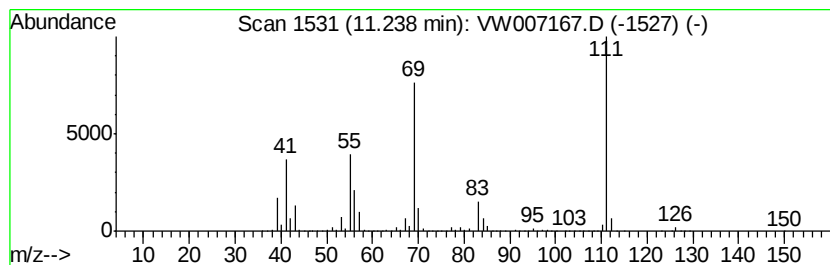
Instrument :
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

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

Peak Number 26 (DEL) Alkane: Cyclic11.24 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.24	273.07 ug/L	25301000	Chlorobenzene-d5	11.63	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	81
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	76
3	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	76
4	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	72
5	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	56



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

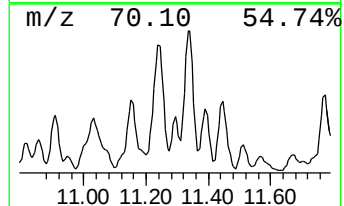
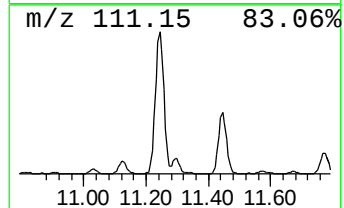
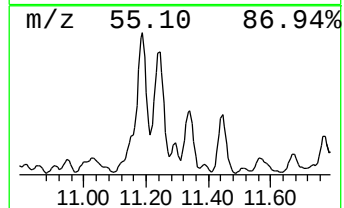
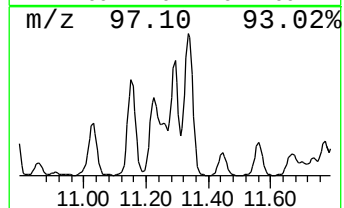
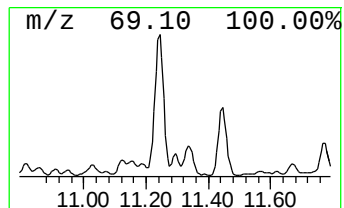
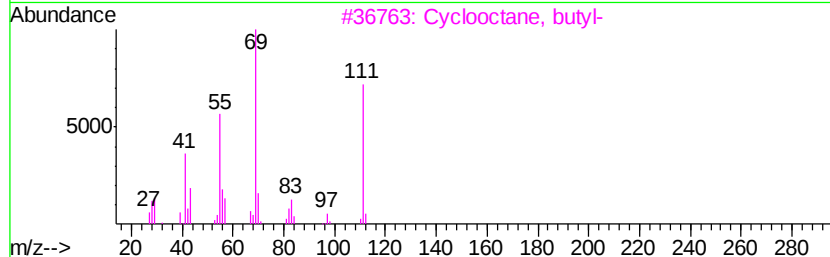
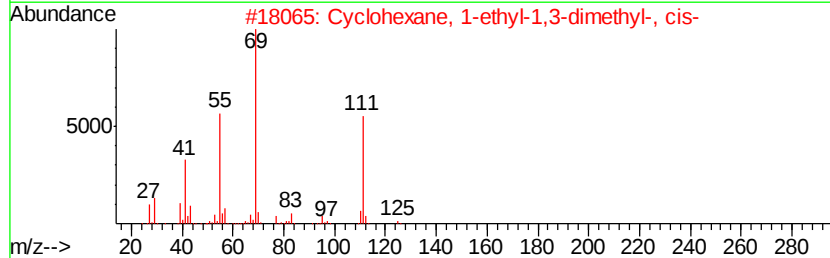
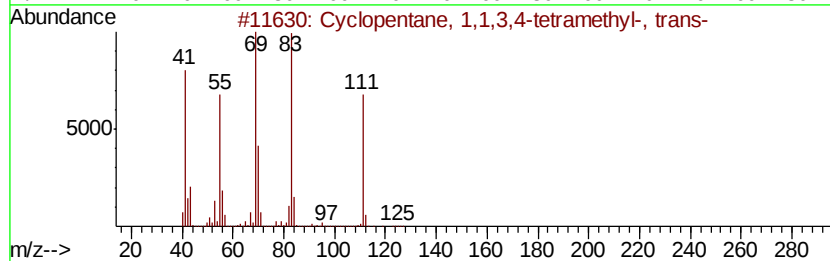
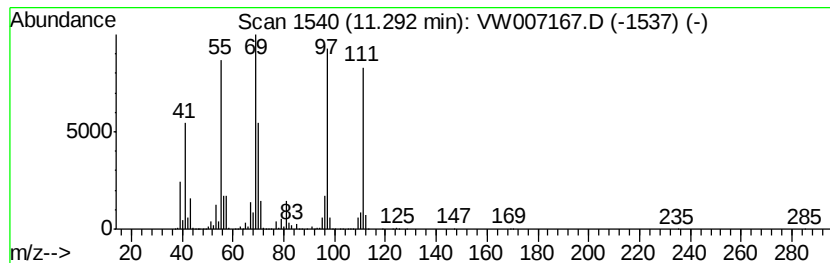
Instrument :
MSVOA_W
ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

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

Peak Number 27 (DEL) Alkane: Cyclic11.29 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.29	39.78 ug/L	3686000	Chlorobenzene-d5	11.63		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclopentane, 1,1,3,4-tetramethyl-	126	C9H18	020309-77-7	50
2		Cyclohexane, 1-ethyl-1,3-dimethyl-	140	C10H20	062238-31-7	47
3		Cyclooctane, butyl-	168	C12H24	016538-93-5	47
4		Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	43
5		2(5H)-Furanone, 5,5-dimethyl-	112	C6H8O2	020019-64-1	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9Y09

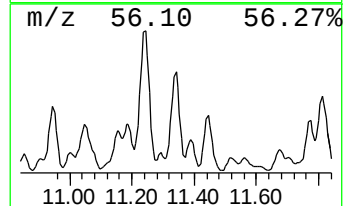
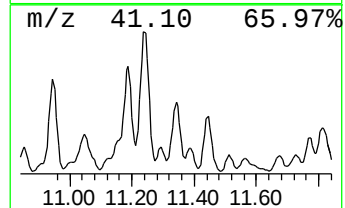
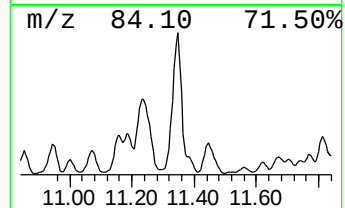
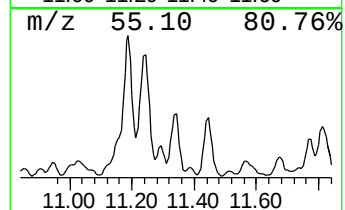
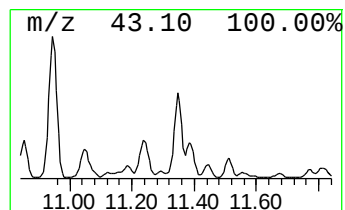
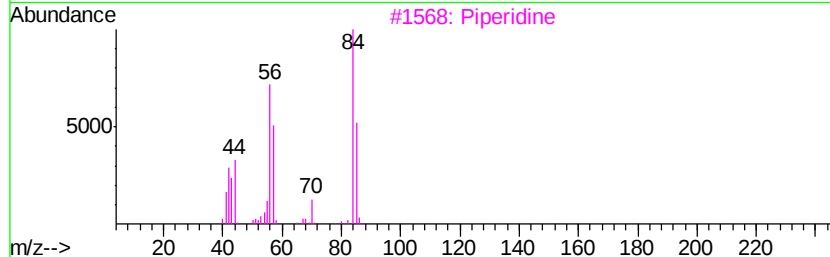
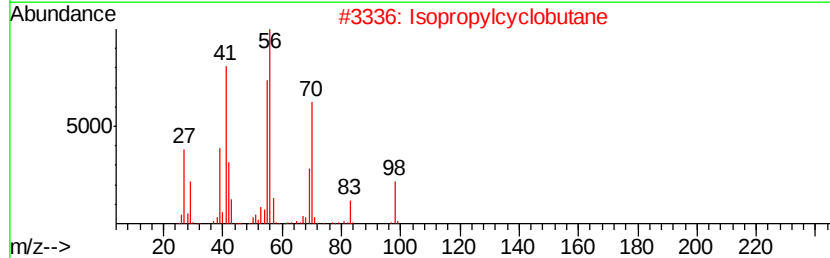
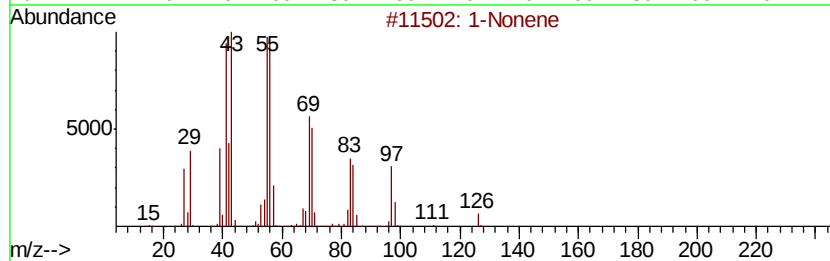
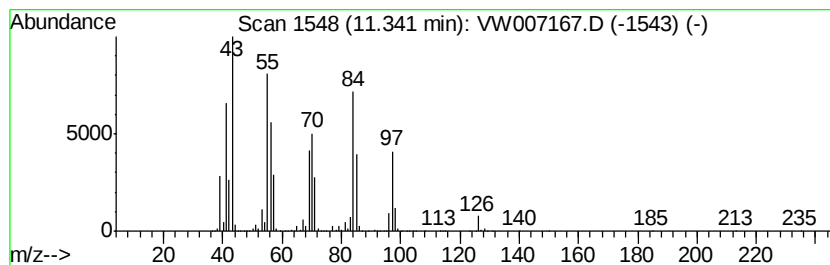
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Quant Title : VOC Analysis

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

Peak Number 28 (DEL) Alkane: Cyclic11.34 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.34	132.53 ug/L	12279100	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Nonene	126	C9H18	000124-11-8	41
2		Isopropylcyclobutane	98	C7H14	000872-56-0	38
3		Piperidine	85	C5H11N	000110-89-4	38
4		Piperidine	85	C5H11N	000110-89-4	38
5		3-Pentenoic acid, 4-methyl-	114	C6H10O2	000504-85-8	35



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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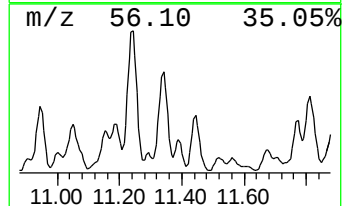
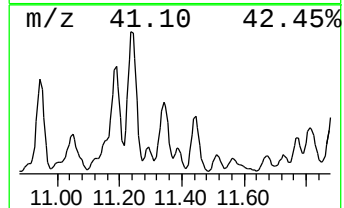
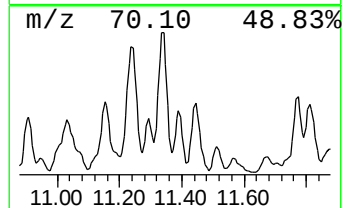
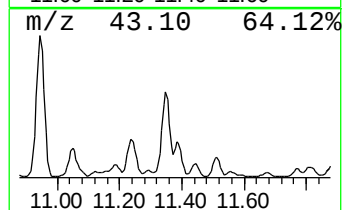
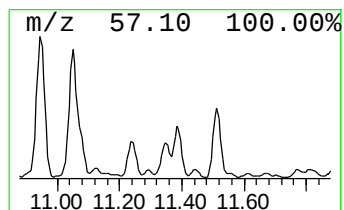
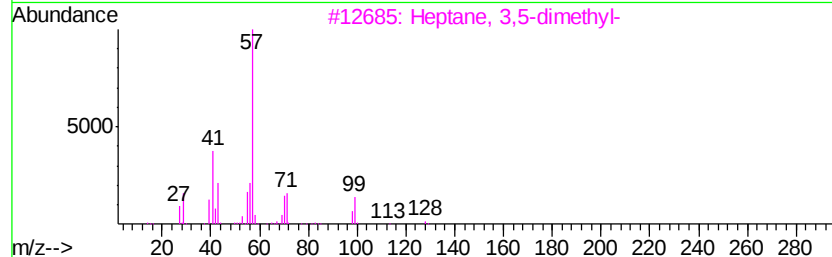
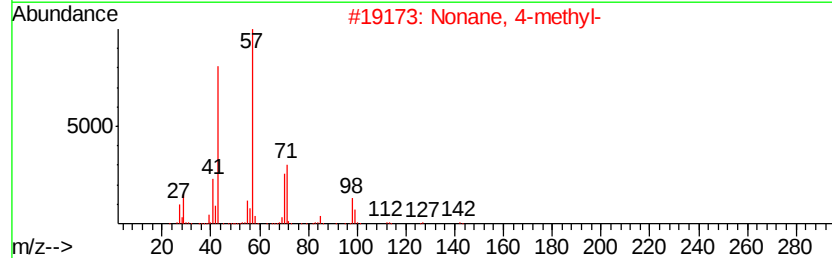
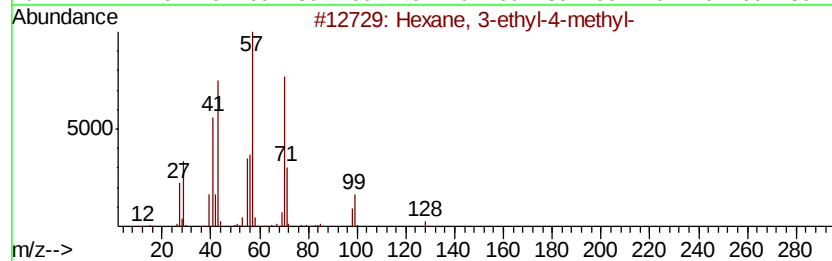
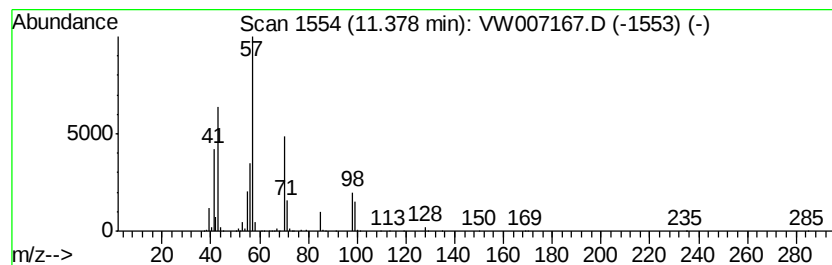
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Quant Title : VOC Analysis

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

Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.38	25.61 ug/L	2372880	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexane, 3-ethyl-4-methyl-	128	C9H20	003074-77-9	58
2		Nonane, 4-methyl-	142	C10H22	017301-94-9	43
3		Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	43
4		Heptane, 3,4-dimethyl-	128	C9H20	000922-28-1	42
5		3-Hexanone, 2,4-dimethyl-	128	C8H16O	018641-70-8	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9Y09

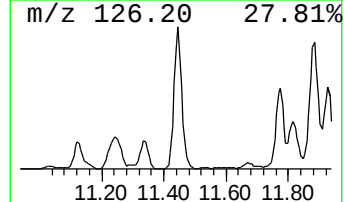
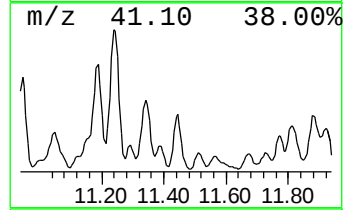
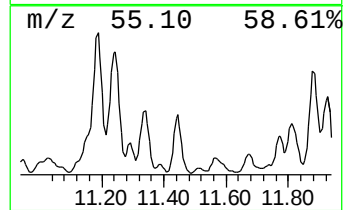
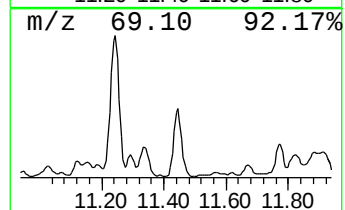
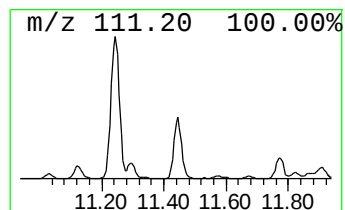
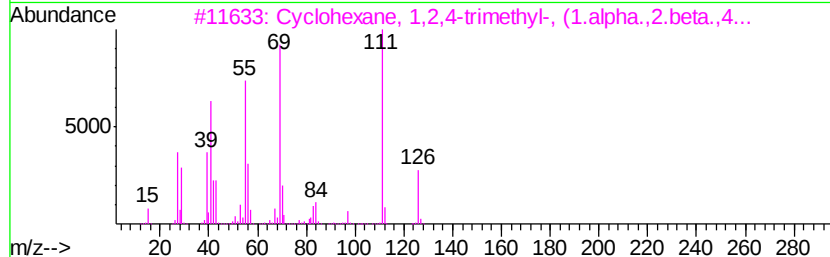
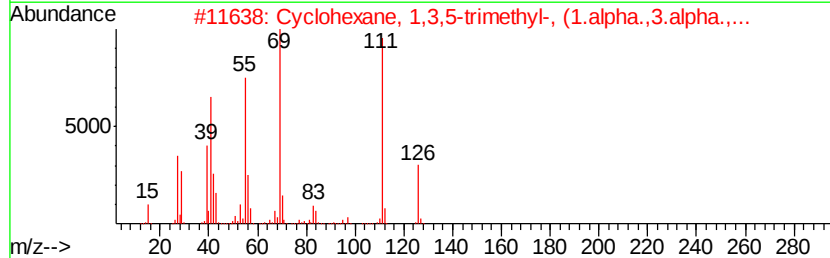
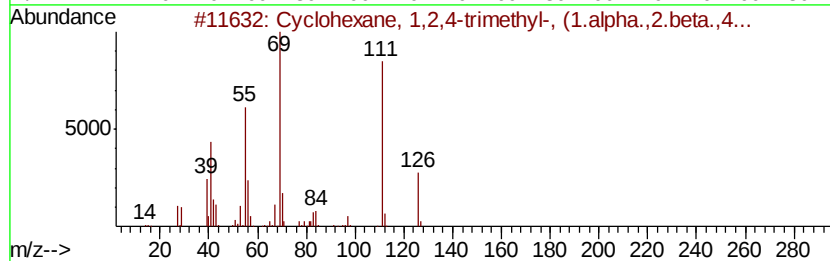
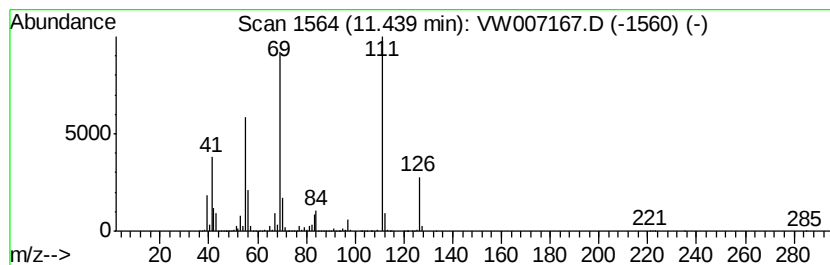
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Quant Title : VOC Analysis

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

Peak Number 30 (DEL) Alkane: Cyclic11.44 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.44	107.25 ug/L	9937100	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	94
2		Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	91
3		Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	91
4		Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001839-63-0	90
5		Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9Y09

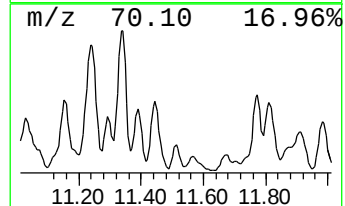
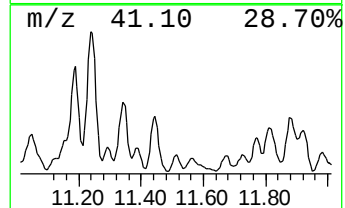
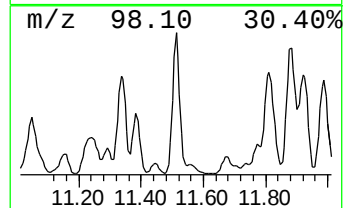
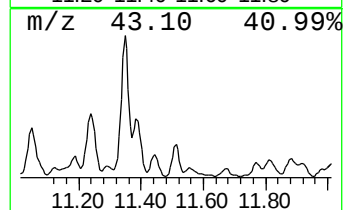
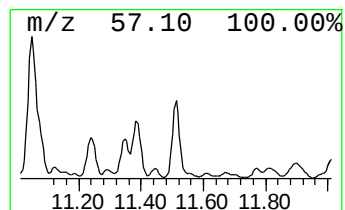
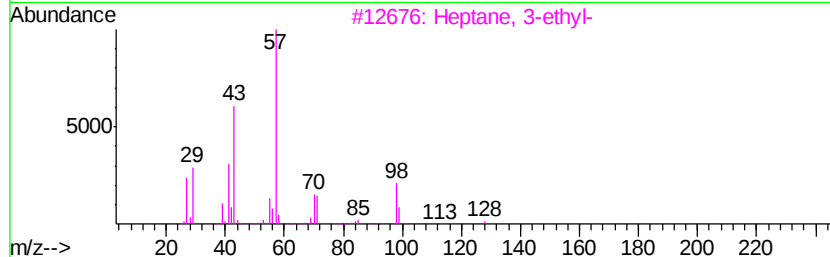
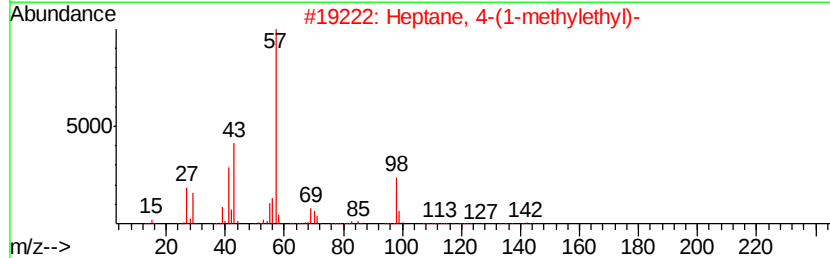
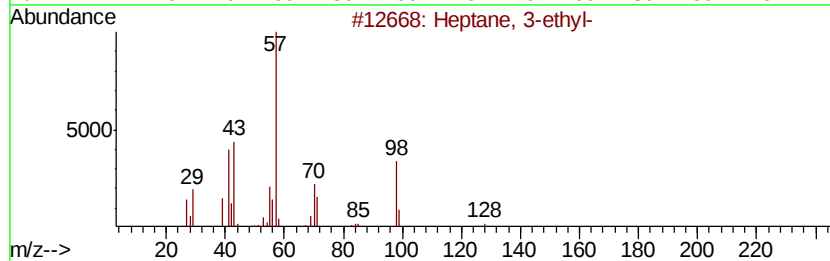
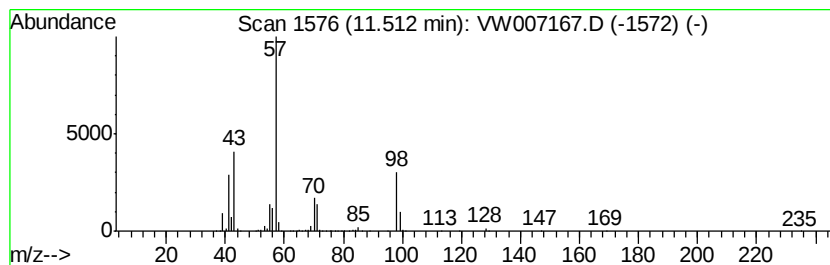
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Quant Title : VOC Analysis

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

Peak Number 31 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.51	23.74 ug/L	2199710	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 3-ethyl-	128	C9H20	015869-80-4	86
2		Heptane, 4-(1-methylethyl)-	142	C10H22	052896-87-4	72
3		Heptane, 3-ethyl-	128	C9H20	015869-80-4	72
4		Octane, 3-methyl-	128	C9H20	002216-33-3	64
5		Heptane, 4-propyl-	142	C10H22	003178-29-8	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9Y09

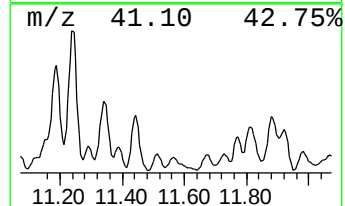
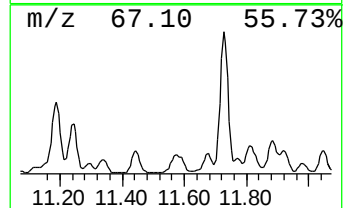
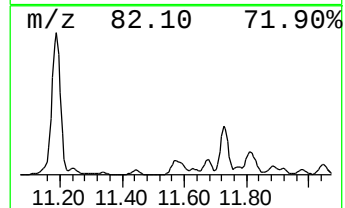
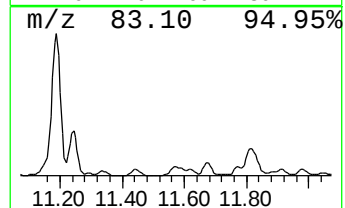
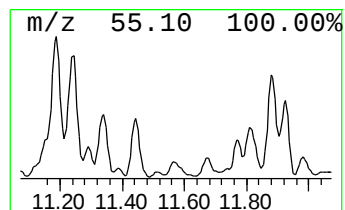
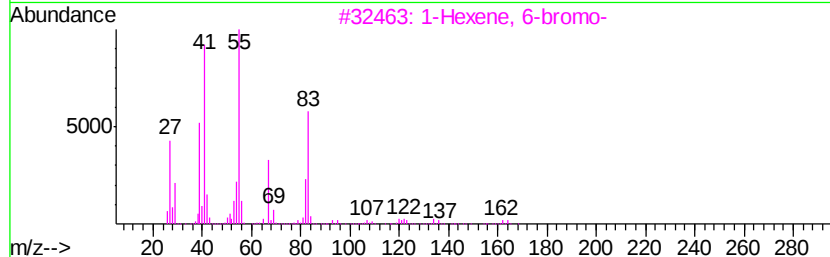
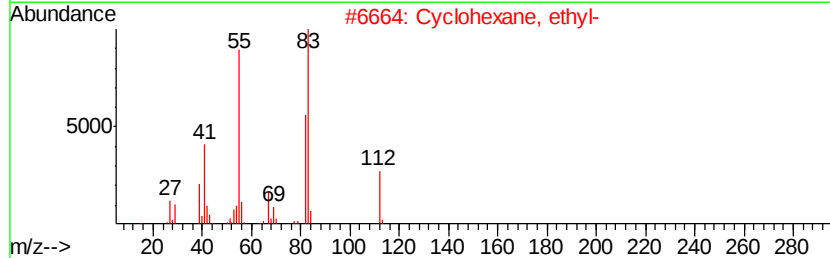
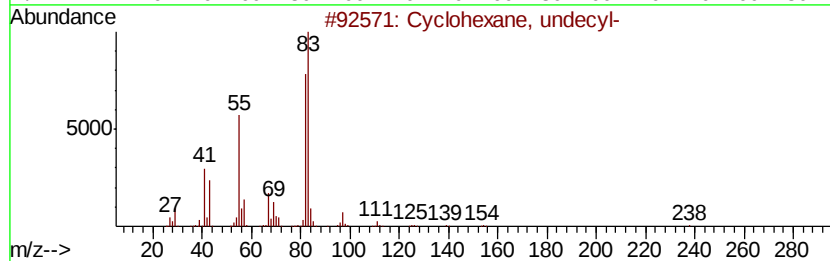
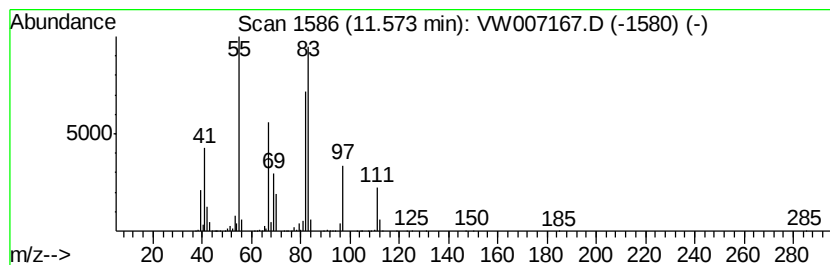
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Quant Title : VOC Analysis

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

Peak Number 32 (DEL) Alkane: Cyclic11.57 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.57	18.83 ug/L	1744320	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, undecyl-	238	C17H34	054105-66-7	50
2		Cyclohexane, ethyl-	112	C8H16	001678-91-7	47
3		1-Hexene, 6-bromo-	162	C6H11Br	002695-47-8	47
4		Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-65-2	47
5		2-Hexene, 2,3-dimethyl-	112	C8H16	007145-20-2	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

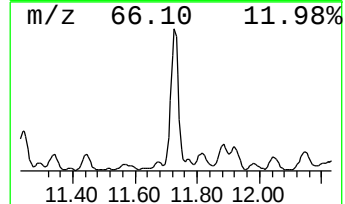
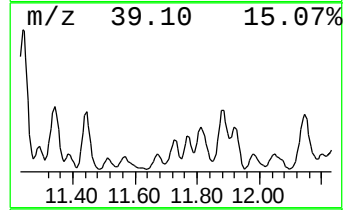
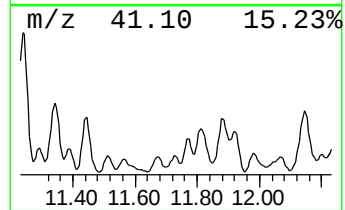
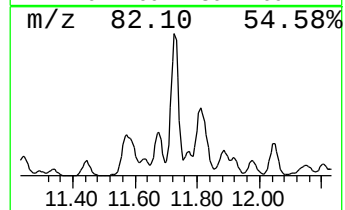
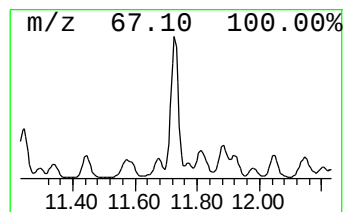
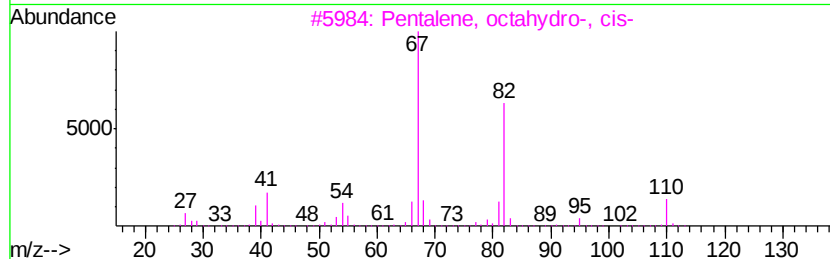
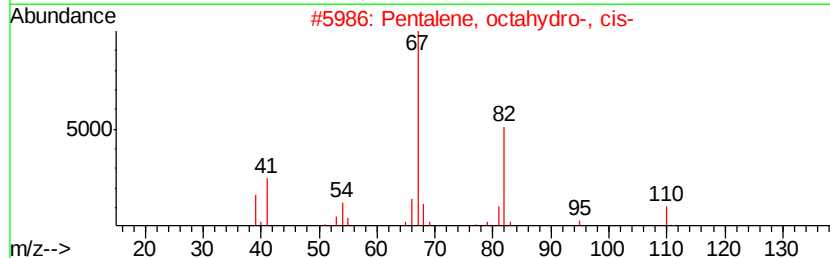
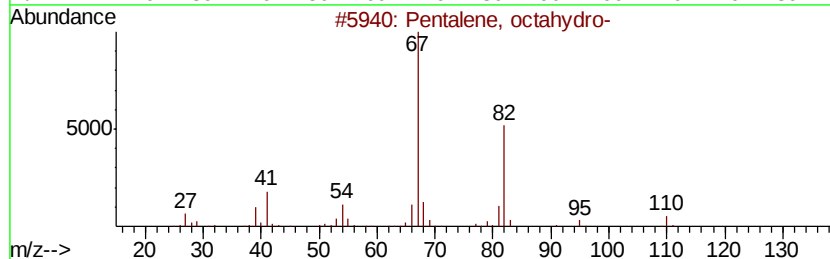
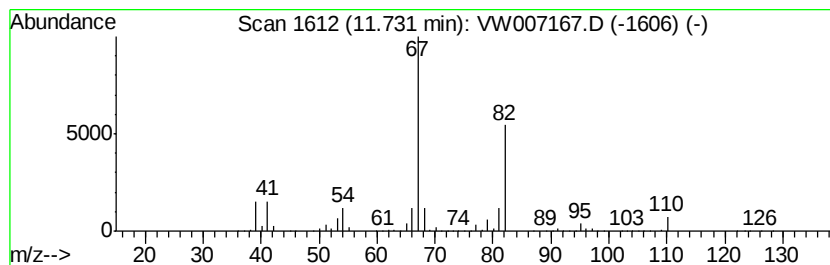
Instrument :
MSVOA_W
ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

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

Peak Number 33 Pentalene, octahydro- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	29.30 ug/L	2714430	Chlorobenzene-d5	11.63
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Pentalene, octahydro-	110 C8H14	000694-72-4 91
2		Pentalene, octahydro-, cis-	110 C8H14	001755-05-1 91
3		Pentalene, octahydro-, cis-	110 C8H14	001755-05-1 90
4		Pentalene, octahydro-, cis-	110 C8H14	001755-05-1 90
5		4-Methyl-2-pentyne	82 C6H10	021020-27-9 72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9Y09

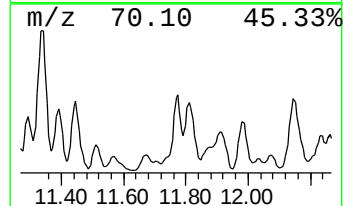
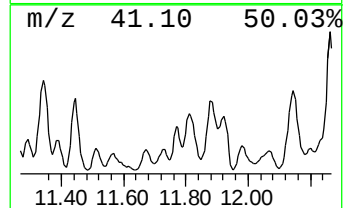
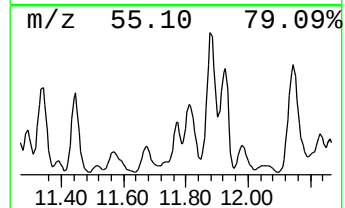
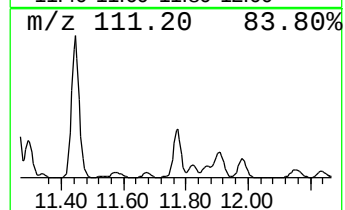
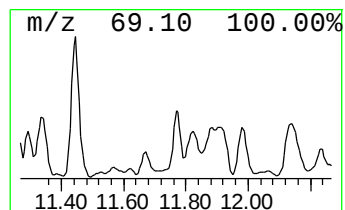
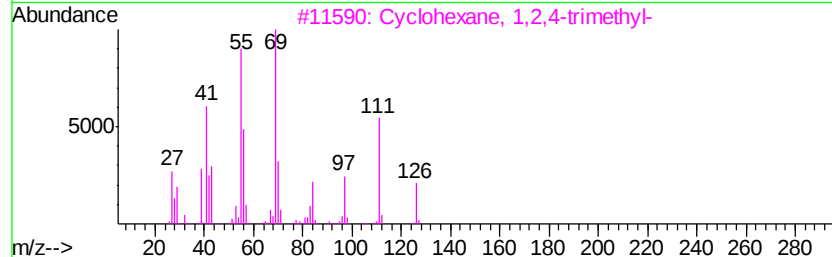
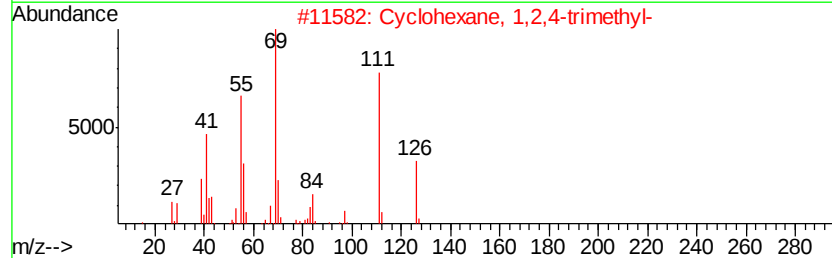
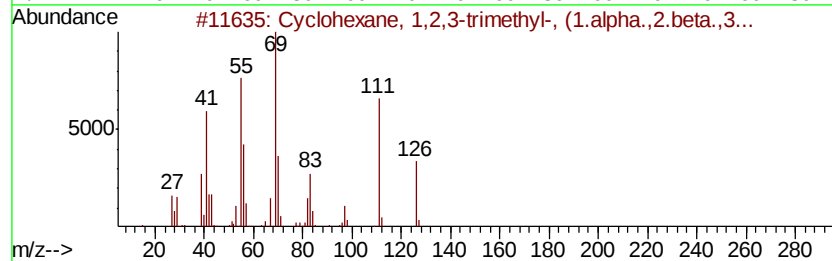
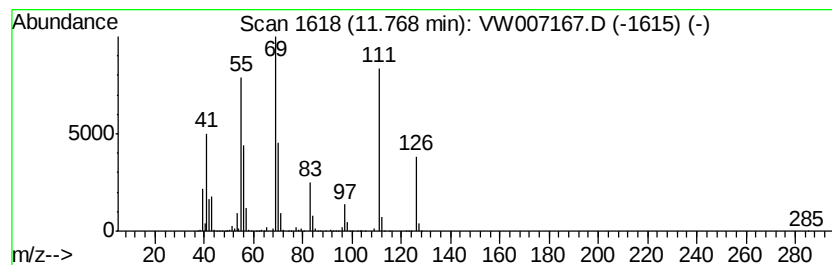
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Quant Title : VOC Analysis

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

Peak Number 34 (DEL) Alkane: Cyclic11.77 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	40.26 ug/L	3730390	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	97
2		Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	87
3		Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	87
4		Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	74
5		Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	74



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

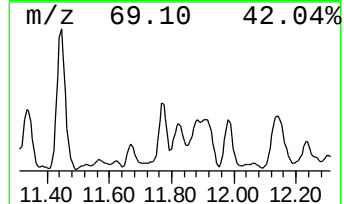
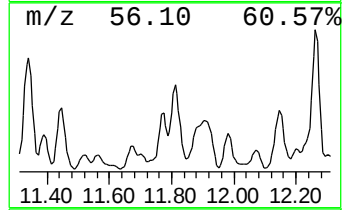
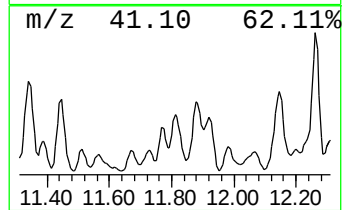
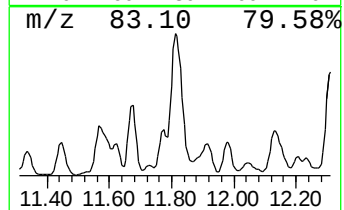
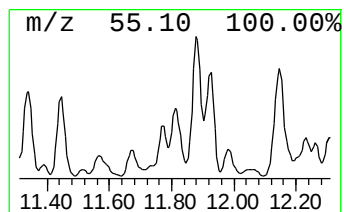
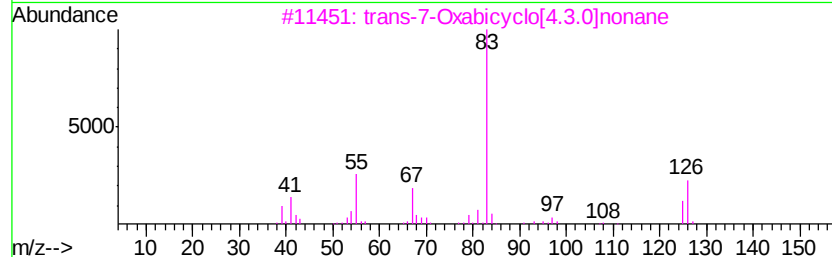
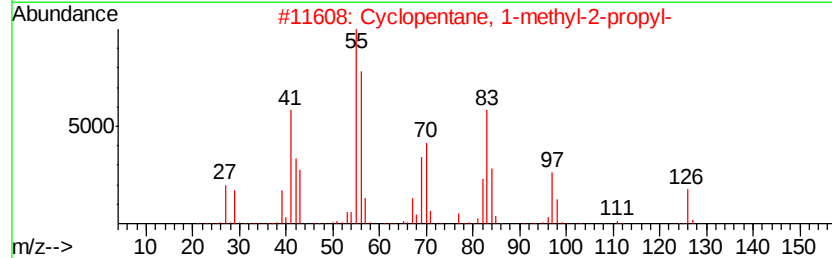
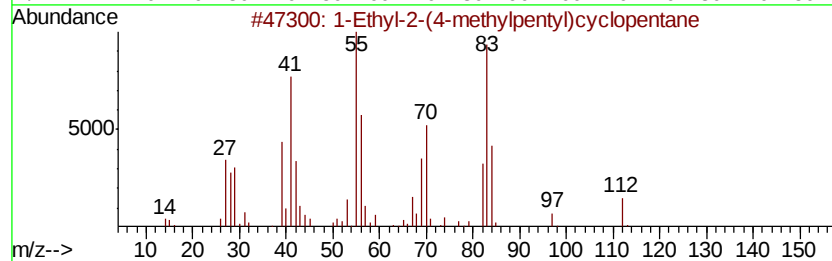
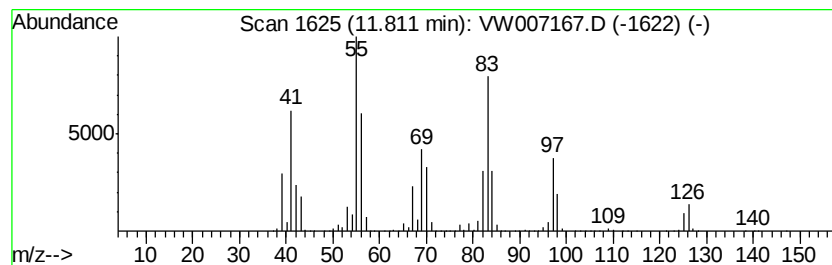
Instrument :
MSVOA_W
ClientSampleId :
F9Y09

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

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

Peak Number 35 (DEL) Alkane: Cyclic11.81 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.81	61.60 ug/L	5707350	Chlorobenzene-d5	11.63	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-2-(4-methylpentyl)cvclop...	182	C13H26	219726-60-0	53
2	Cvclopentane, 1-methyl-2-propyl-	126	C9H18	003728-57-2	43
3	trans-7-Oxabicvclo[4.3.0]nonane	126	C8H14O	027345-70-6	38
4	Cvcloheptanone, 4-methyl-, (R)-	126	C8H14O	013609-59-1	30
5	Cyclopropane, 1,1,2,2-tetramethyl-	98	C7H14	004127-47-3	30



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

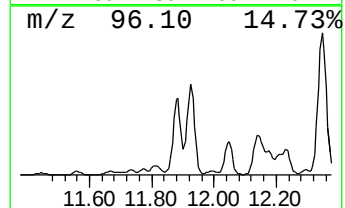
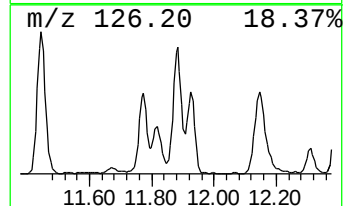
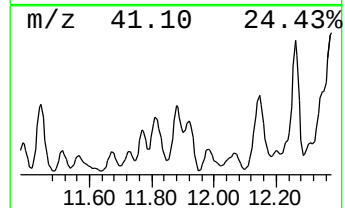
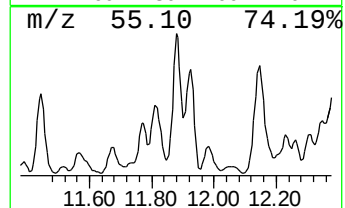
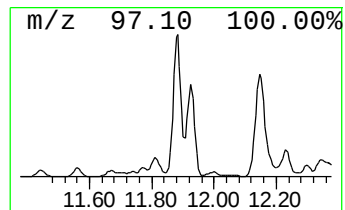
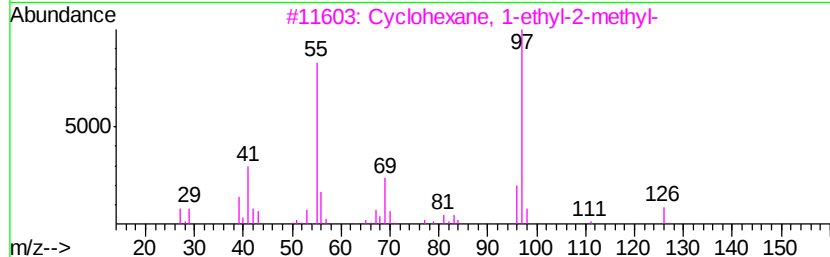
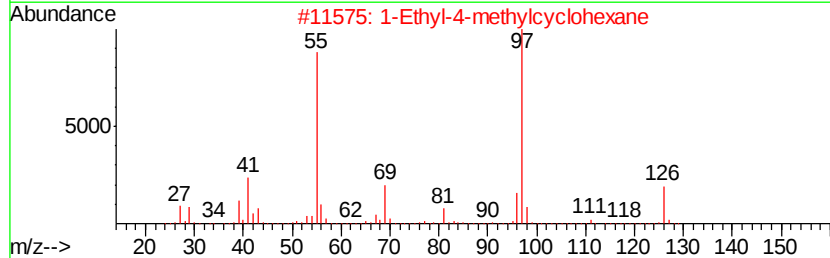
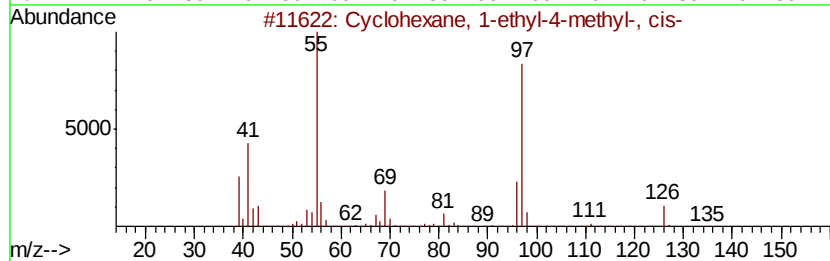
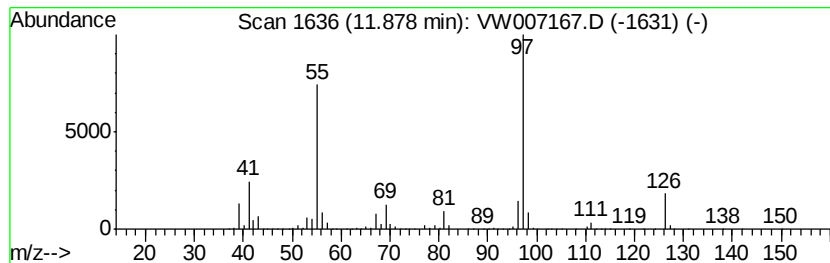
Instrument :
MSVOA_W
ClientSampleId :
F9Y09

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

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

Peak Number 36 (DEL) Alkane: Cyclic11.88 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.88	99.33 ug/L	9203490	Chlorobenzene-d5	11.63		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cvclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	87
2		1-Ethyl-4-methylcvclohexane	126	C9H18	003728-56-1	87
3		Cvclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	87
4		cis-1-Ethyl-3-methyl-cvclohexane	126	C9H18	019489-10-2	80
5		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	80



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9Y09

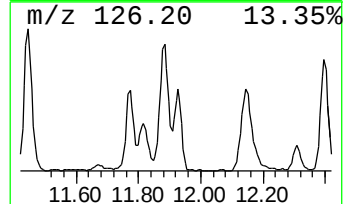
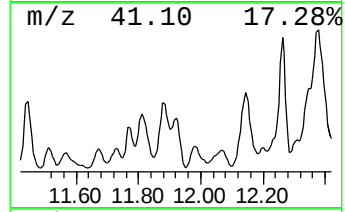
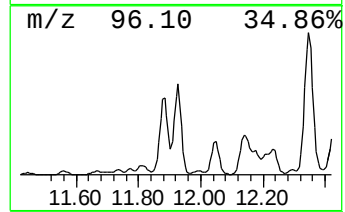
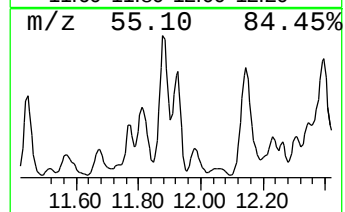
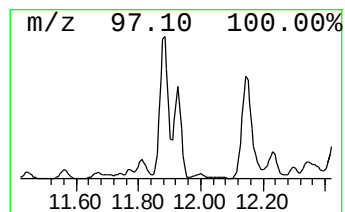
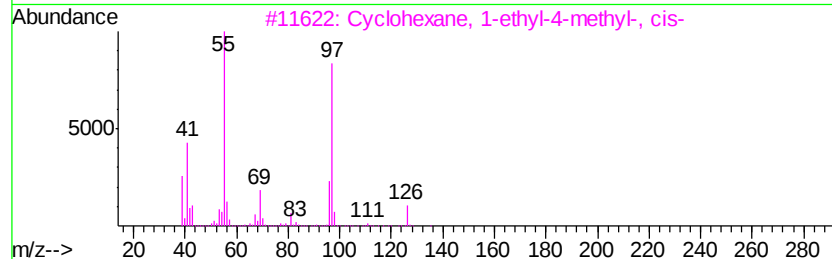
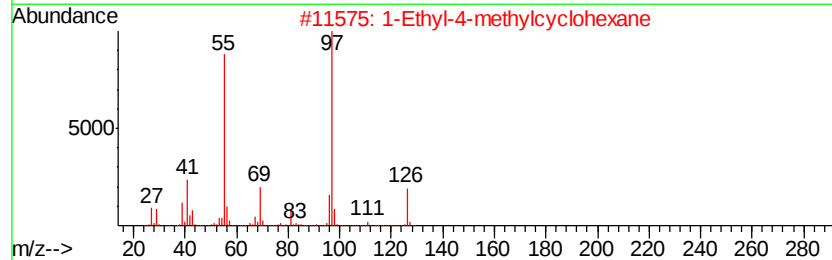
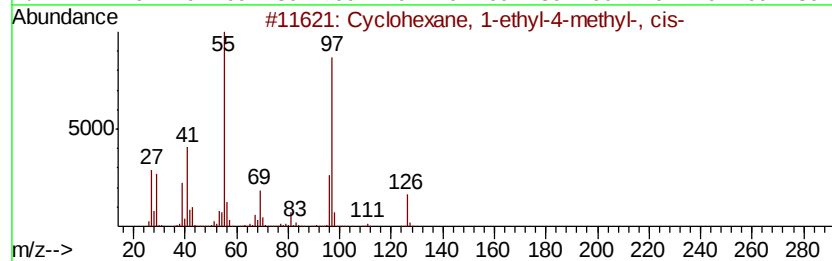
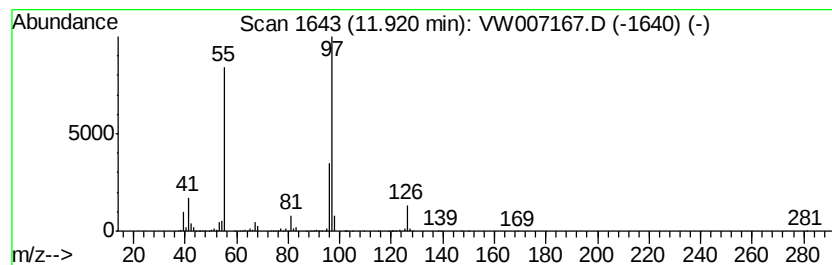
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Quant Title : VOC Analysis

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

Peak Number 37 (DEL) Alkane: Cyclic11.92 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	81.11 ug/L	7515200	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	90
2		1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	87
3		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	83
4		Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	78
5		1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

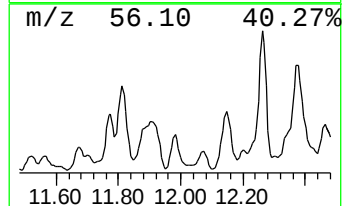
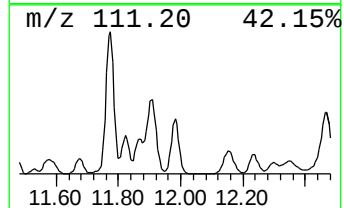
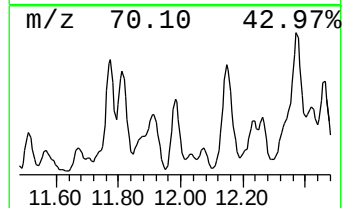
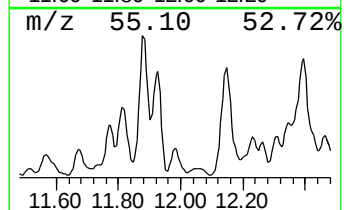
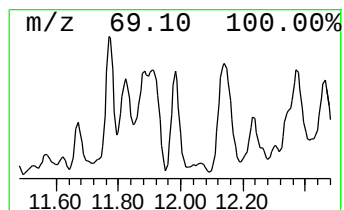
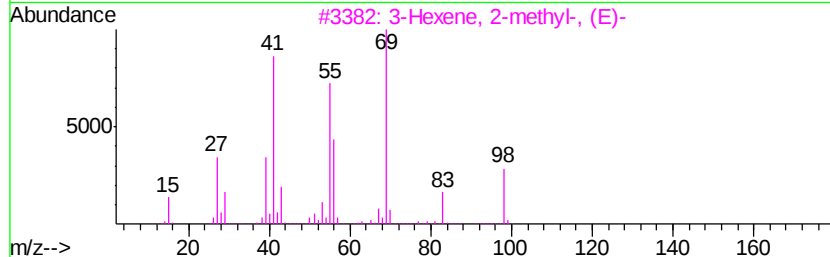
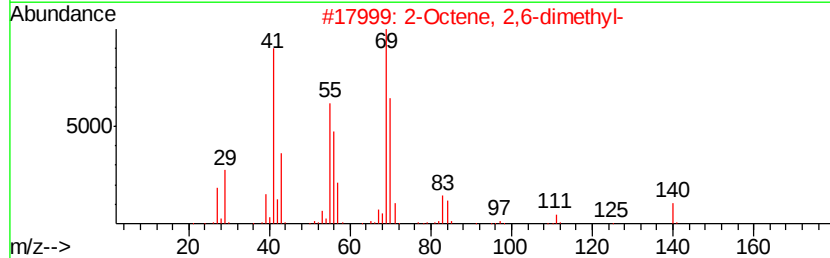
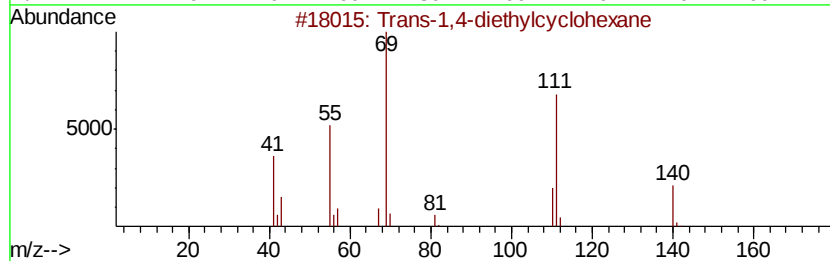
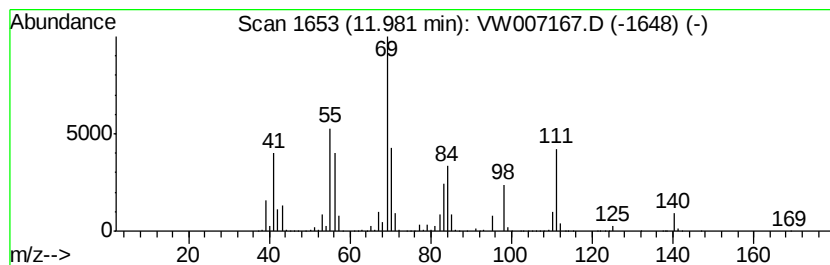
Instrument :
MSVOA_W
ClientSampleId :
F9Y09

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Quant Title : VOC Analysis

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

Peak Number 38 (DEL) Alkane: Cyclic11.98 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.98	40.94 ug/L	3793320	Chlorobenzene-d5	11.63		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Trans-1,4-diethylcyclohexane	140	C10H20	013990-93-7	55
2		2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	52
3		3-Hexene, 2-methyl-, (E)-	98	C7H14	000692-24-0	49
4		Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	47
5		1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
 Data File : VW007167.D
 Acq On : 03 Dec 2018 18:04
 Operator : SY/AP
 Sample : J6171-05
 Misc : 6.57G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 F9Y09

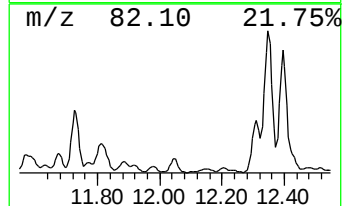
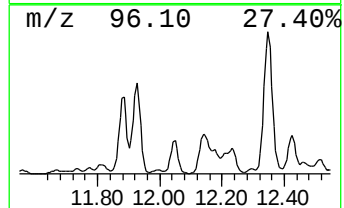
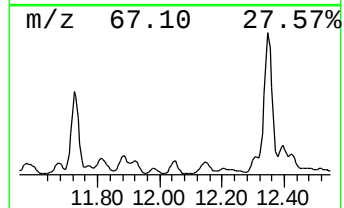
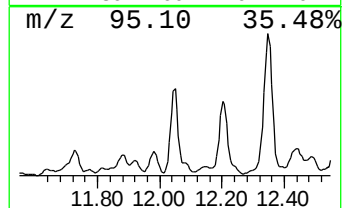
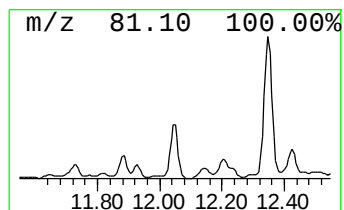
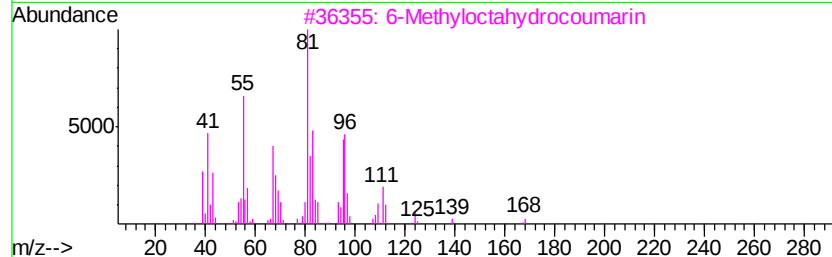
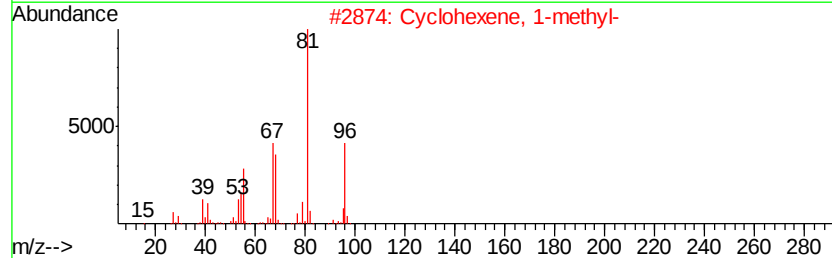
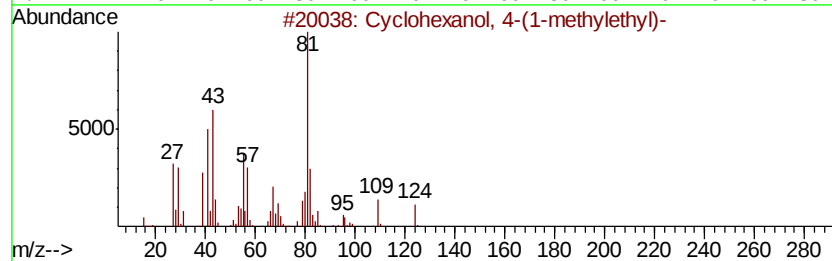
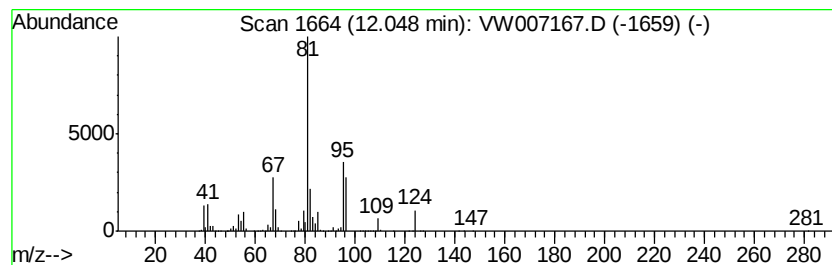
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 Quant Title : VOC Analysis

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

 Peak Number 39 Cyclohexanol, 4-(1-methylet... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	44.19 ug/L	4094740	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexanol, 4-(1-methylethyl)-	142	C9H18O	004621-04-9	53
2		Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	50
3		6-Methyloctahydrocoumarin	168	C10H16O2	080648-29-9	50
4		Cyclopentane, 1-methyl-2-methylene-	96	C7H12	041158-41-2	47
5		Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9Y09

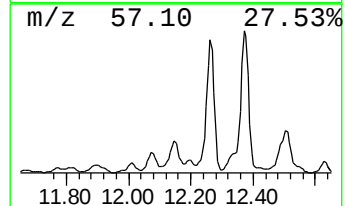
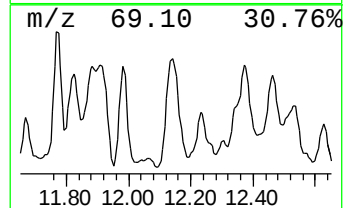
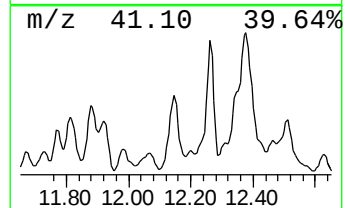
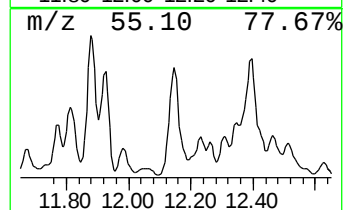
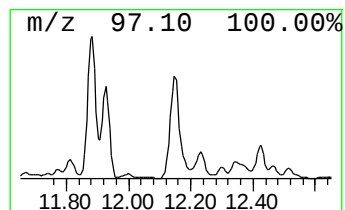
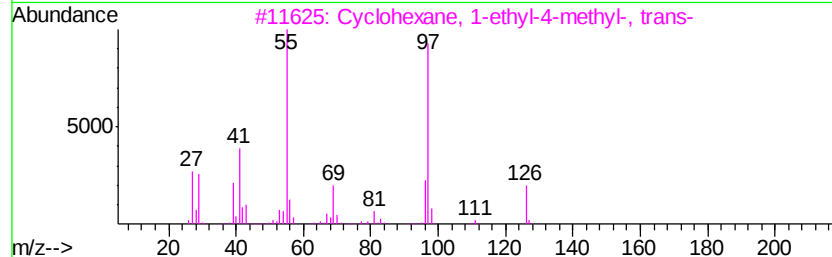
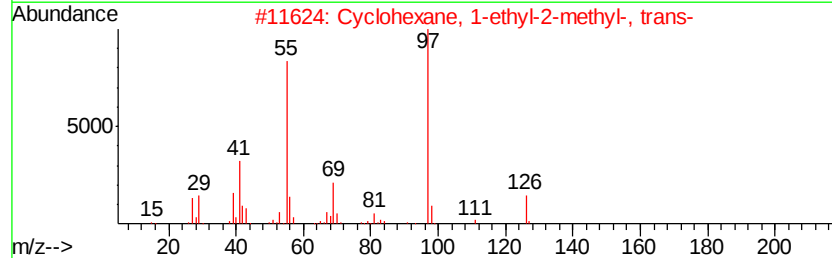
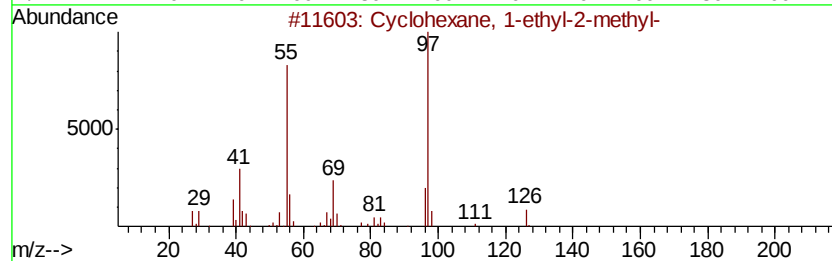
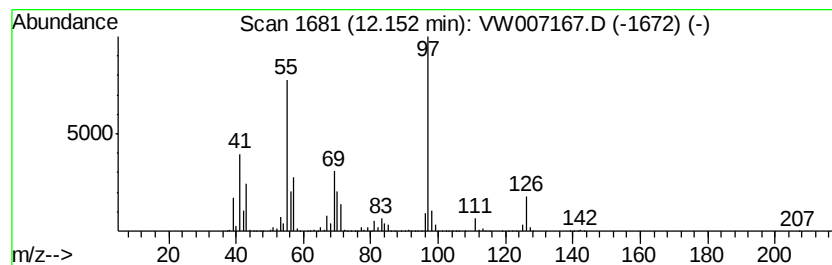
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Quant Title : VOC Analysis

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

Peak Number 40 (DEL) Alkane: Cyclic12.15 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	147.58 ug/L	13674000	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	81
2		Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	68
3		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	64
4		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	64
5		Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9Y09

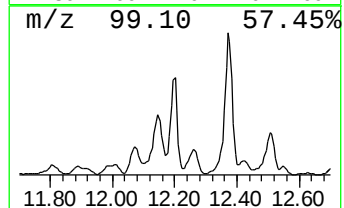
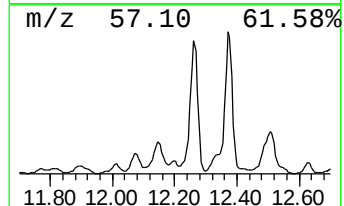
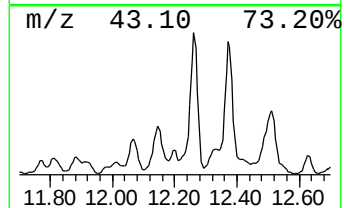
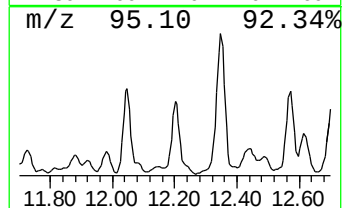
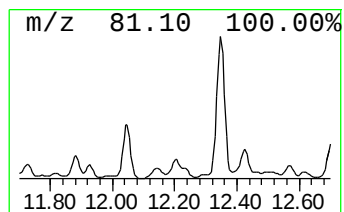
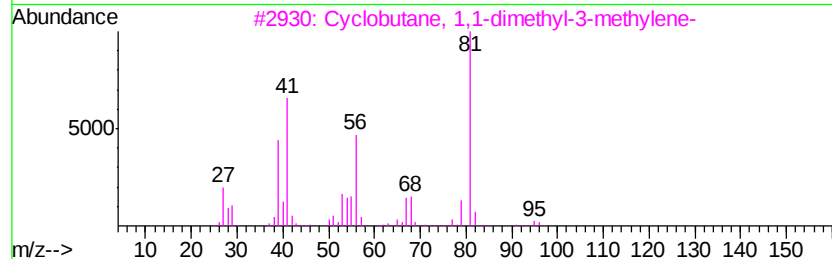
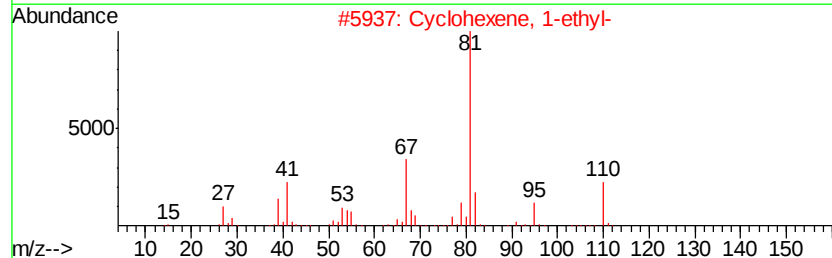
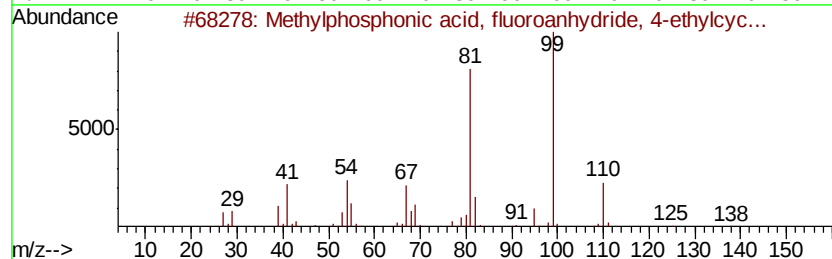
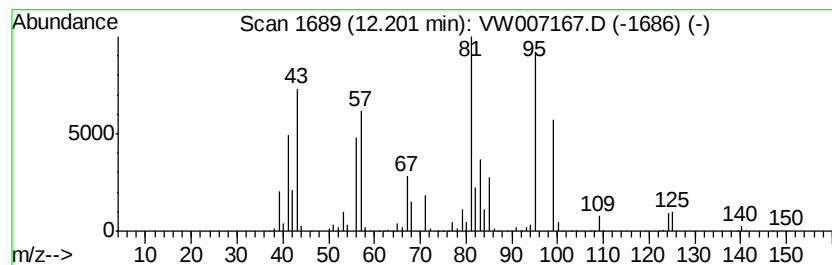
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Quant Title : VOC Analysis

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

Peak Number 41 unknown-01 Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	6.19 ug/L	573221	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Methylphosphonic acid, fluoroanh...	208	C9H18F02P	333416-60-7	16
2		Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	14
3		Cyclobutane, 1,1-dimethyl-3-meth...	96	C7H12	019037-73-1	14
4		4-Ethylcyclohexanol	128	C8H16O	004534-74-1	12
5		Hexanoic acid, 2-methylpropyl ester	172	C10H20O2	000105-79-3	10



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9Y09

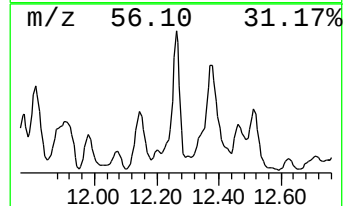
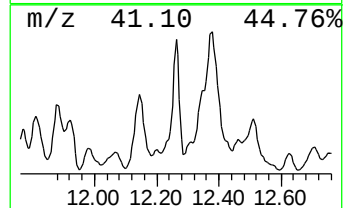
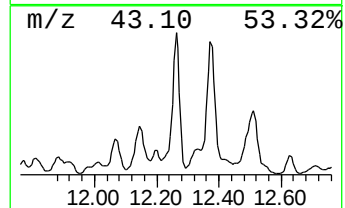
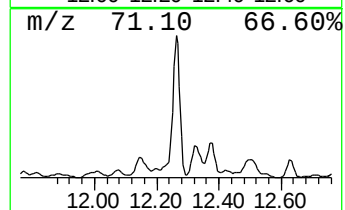
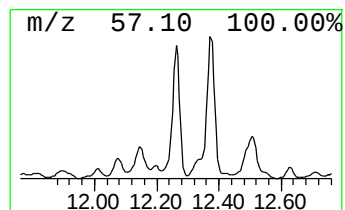
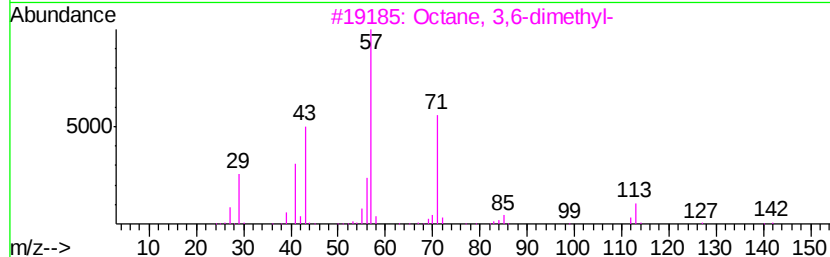
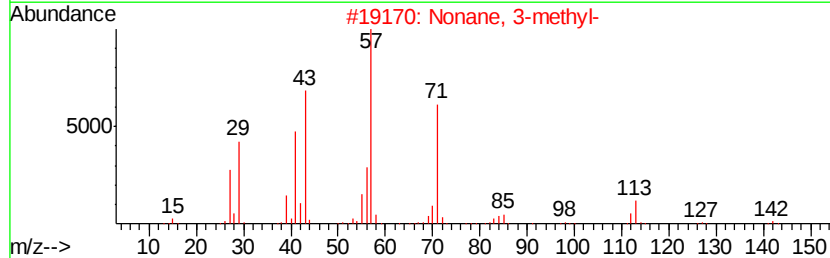
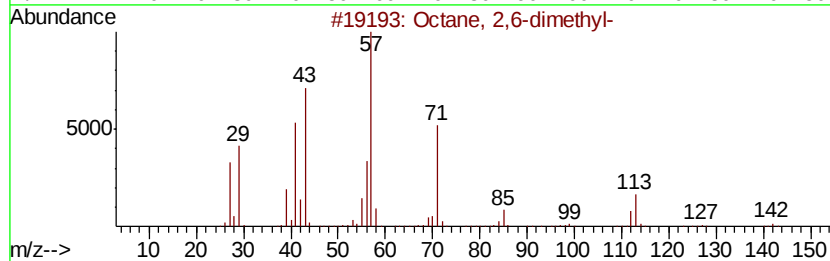
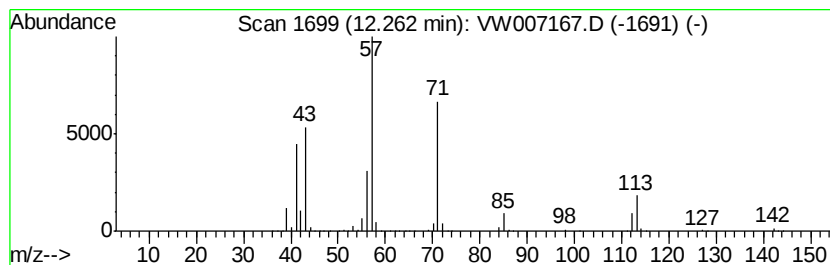
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Quant Title : VOC Analysis

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

Peak Number 42 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	117.56 ug/L	10891900	Chlorobenzene-d5	11.63

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
 Data File : VW007167.D
 Acq On : 03 Dec 2018 18:04
 Operator : SY/AP
 Sample : J6171-05
 Misc : 6.57G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 F9Y09

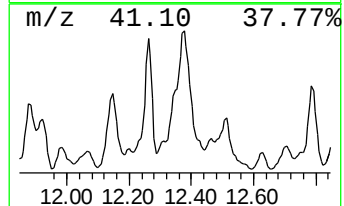
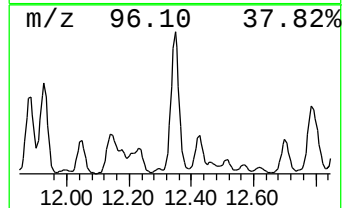
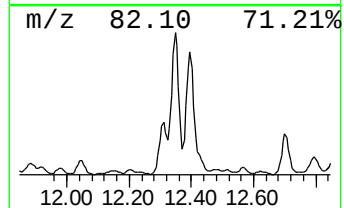
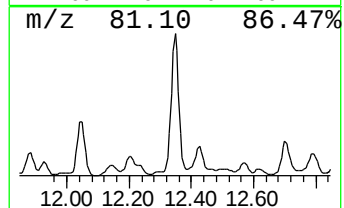
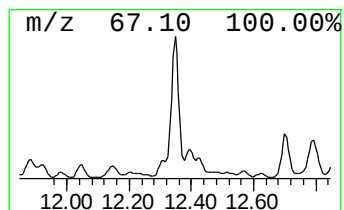
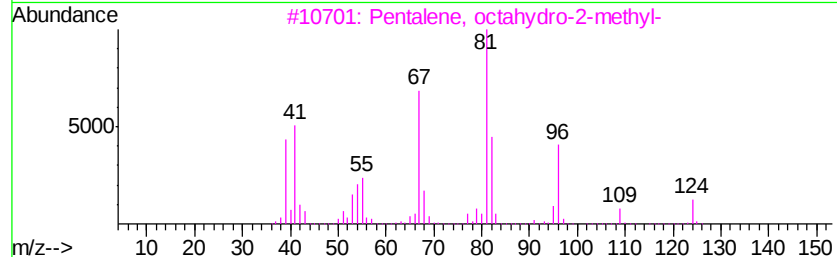
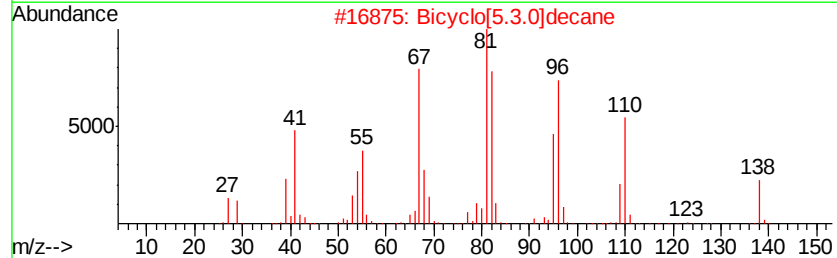
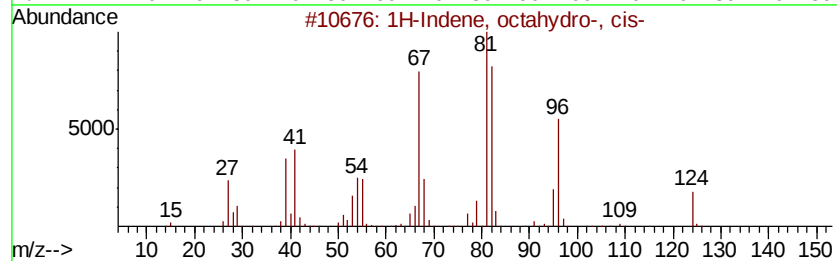
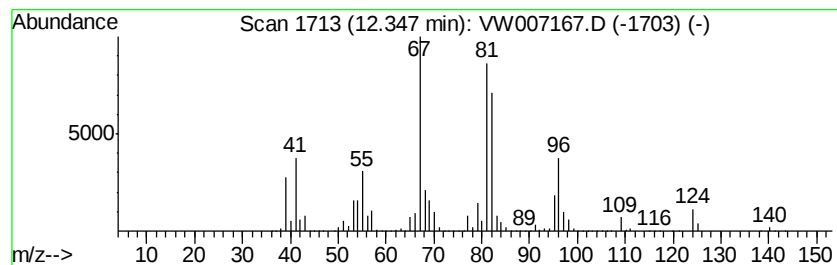
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 Quant Title : VOC Analysis

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

 Peak Number 43 1H-Indene, octahydro-, cis- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	151.19 ug/L	14008000	Chlorobenzene-d5	11.63

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	81
2		Bicyclo[5.3.0]decane	138	C10H18	005661-80-3	64
3		Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	52
4		1,1'-Bicyclopentyl	138	C10H18	001636-39-1	49
5		Cyclohexene,3-butyl-	138	C10H18	003983-07-1	46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9Y09

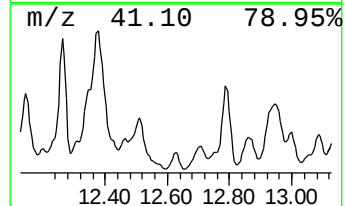
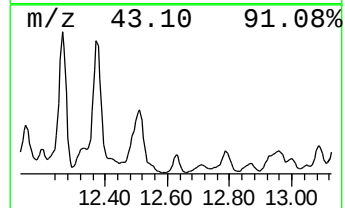
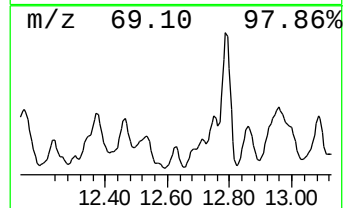
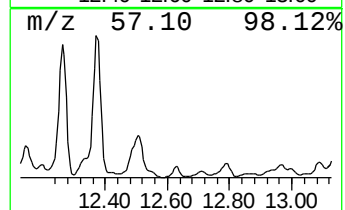
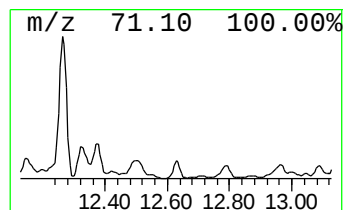
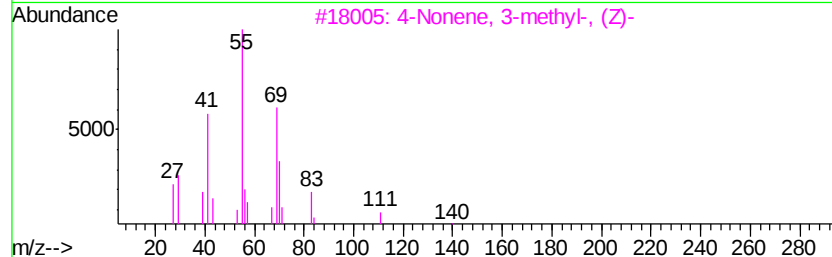
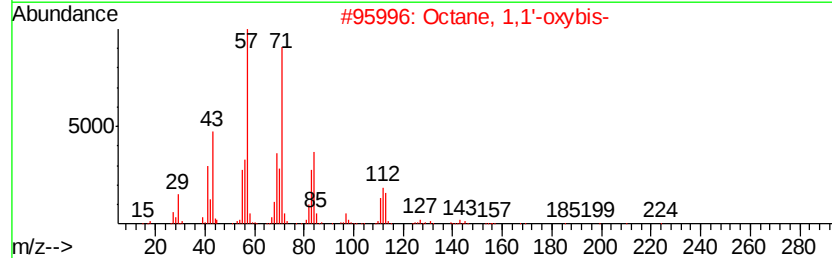
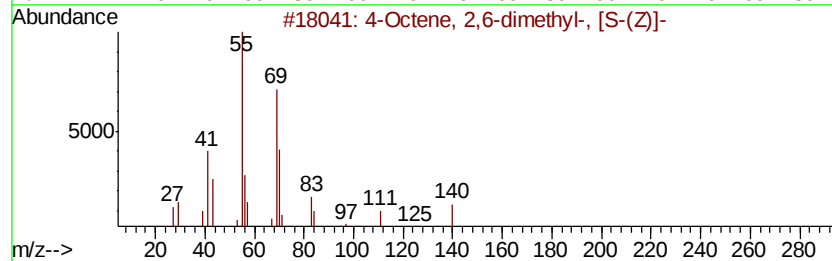
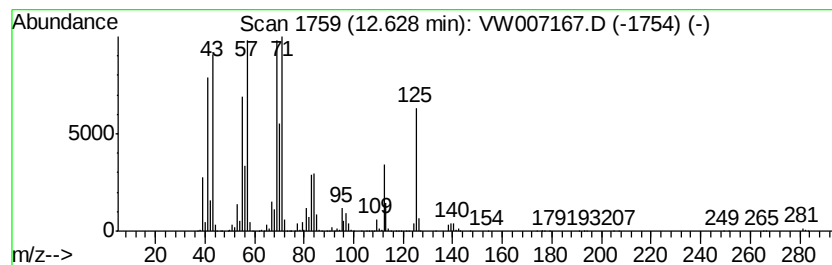
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Quant Title : VOC Analysis

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

Peak Number 44 (DEL) Alkane: Cyclic12.63 Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	7.19 ug/L	2424120	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4-Octene, 2,6-dimethyl-, [S-(Z)]-	140	C10H20	062960-77-4	43
2			Octane, 1,1'-oxybis-	242	C16H34O	000629-82-3	43
3			4-Nonene, 3-methyl-, (Z)-	140	C10H20	063830-69-3	38
4			4-Methyl-2-heptene	112	C8H16	003404-56-6	30
5			Cyclopropane, 1,2-dimethyl-1-pen...	140	C10H20	062238-04-4	30



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9Y09

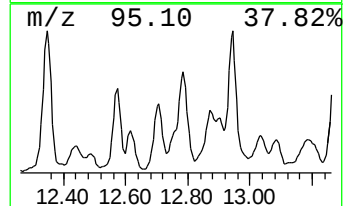
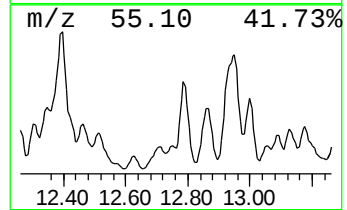
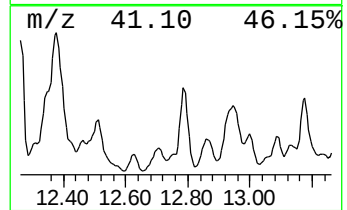
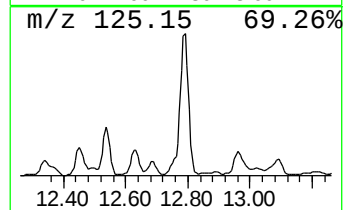
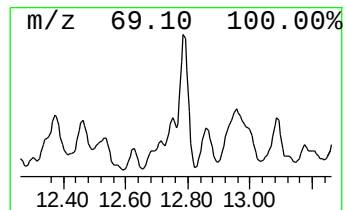
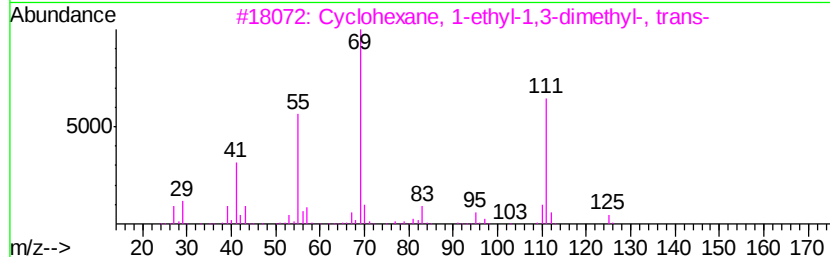
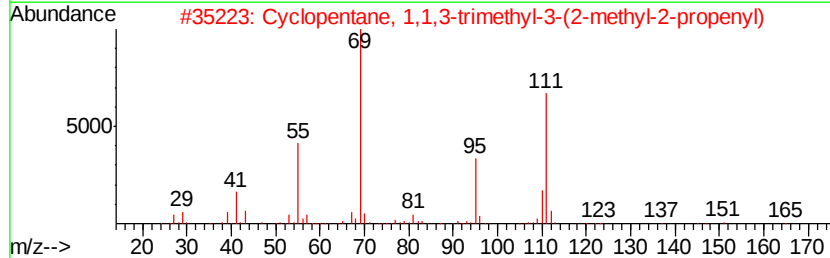
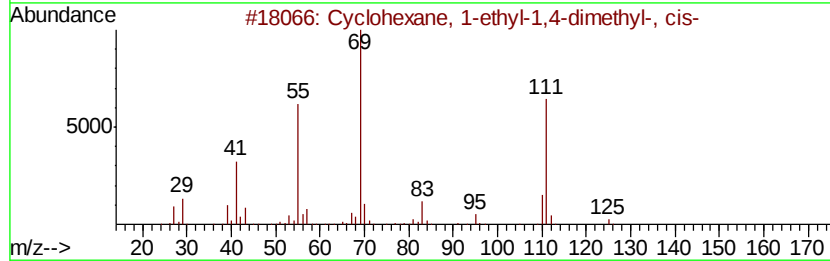
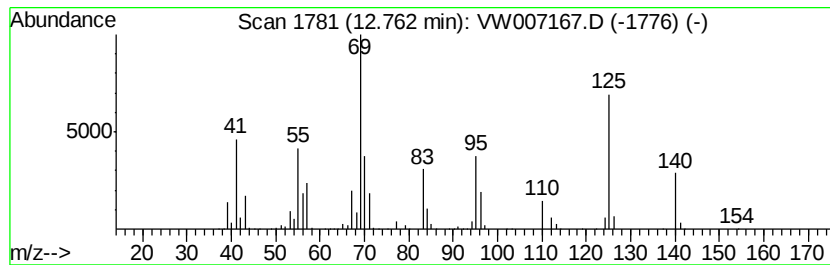
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Quant Title : VOC Analysis

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

Peak Number 45 (DEL) Alkane: Cyclic12.76 Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	5.77 ug/L	1945380	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-ethyl-1,4-dimethyl...	140	C10H20	062238-30-6	50
2		Cyclopentane, 1,1,3-trimethyl-3-...	166	C12H22	074421-09-3	50
3		Cyclohexane, 1-ethyl-1,3-dimethyl...	140	C10H20	062238-29-3	50
4		Cyclohexane, 1-ethyl-1,4-dimethyl...	140	C10H20	062238-32-8	50
5		Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9Y09

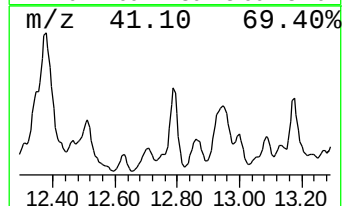
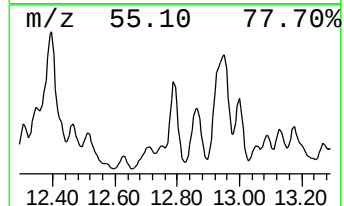
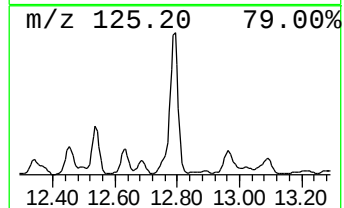
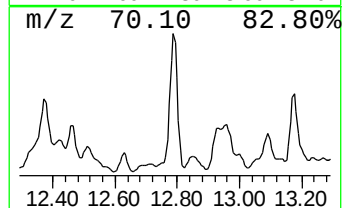
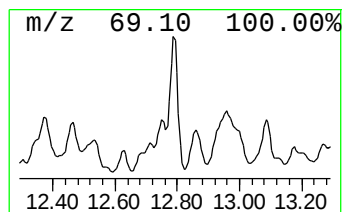
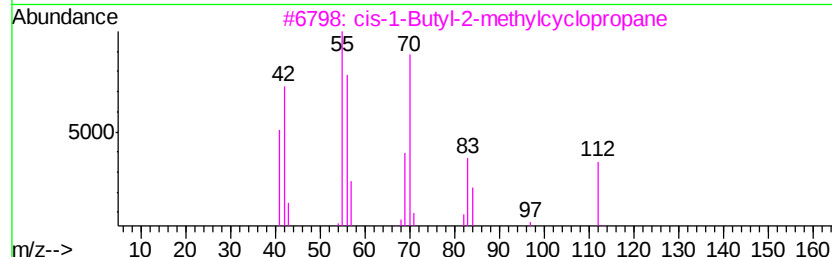
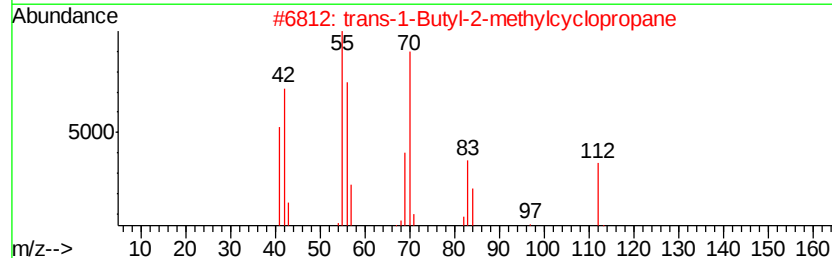
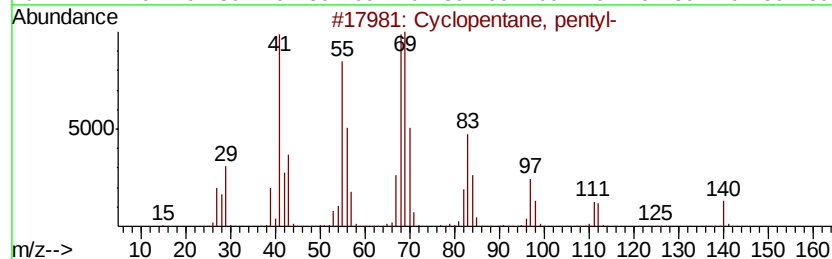
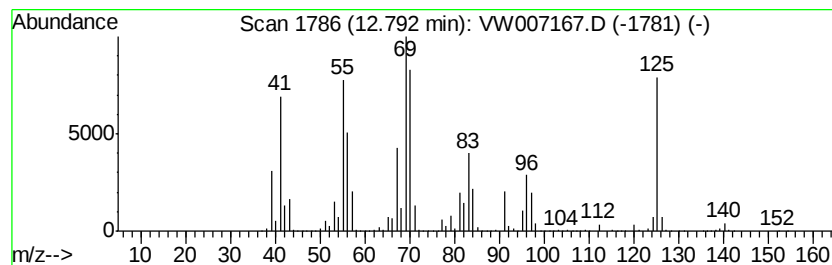
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Quant Title : VOC Analysis

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

Peak Number 46 (DEL) Alkane: Cyclic12.79 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.79	36.44 ug/L	12292900	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, pentyl-	140	C10H20	003741-00-2	47
2		trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	46
3		cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	46
4		2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	45
5		Zinc, bis[2-(1,1-dimethylethyl)-...	314	C18H34Zn	074793-36-5	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9Y09

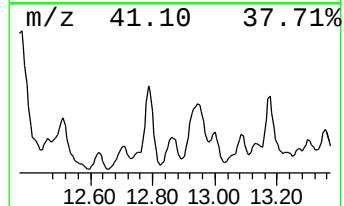
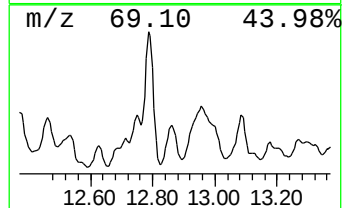
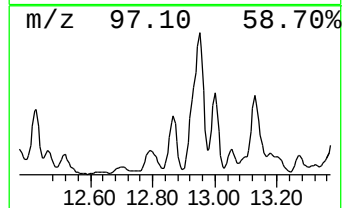
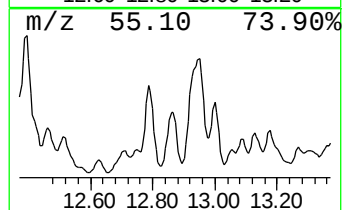
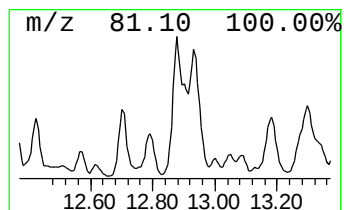
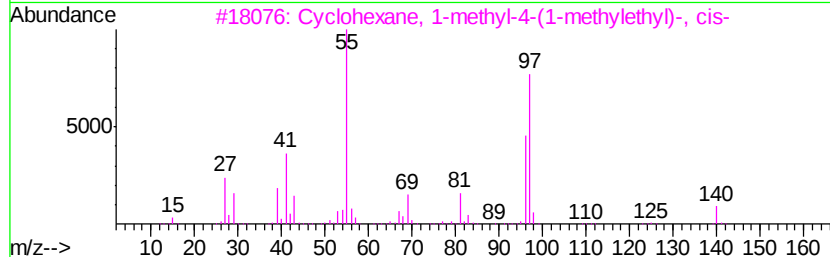
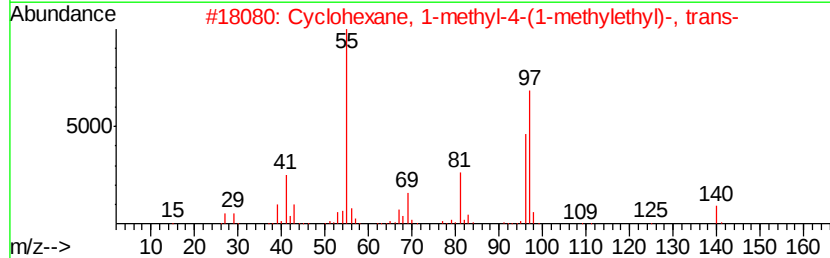
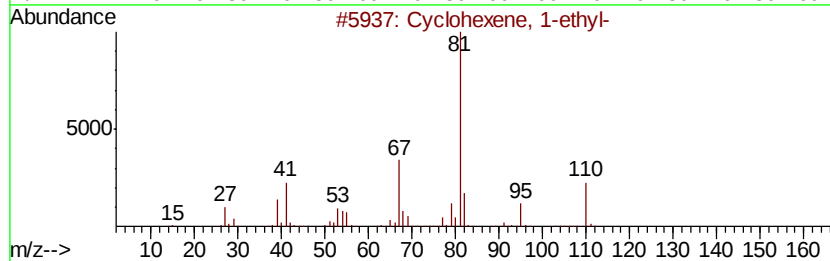
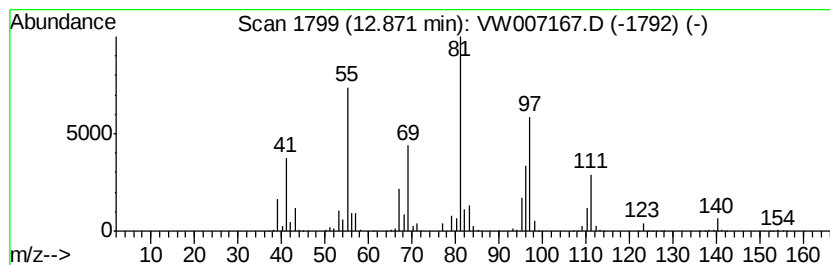
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Quant Title : VOC Analysis

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

Peak Number 47 unknown-02 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	16.47 ug/L	5554810	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	42
2		Cyclohexane, 1-methyl-4-(1-methyl-...	140	C10H20	001678-82-6	38
3		Cyclohexane, 1-methyl-4-(1-methyl-...	140	C10H20	006069-98-3	38
4		1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	38
5		m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	35



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9Y09

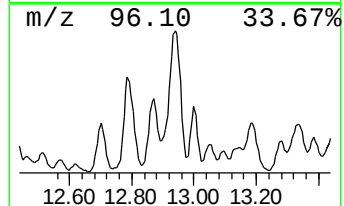
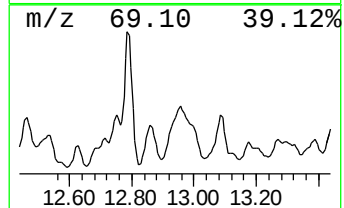
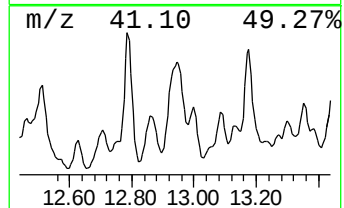
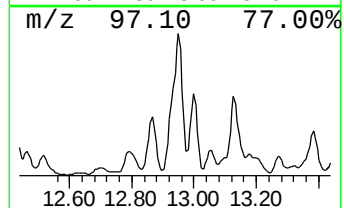
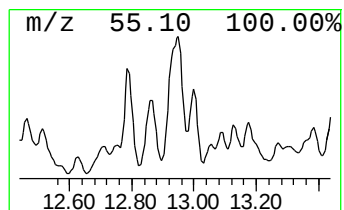
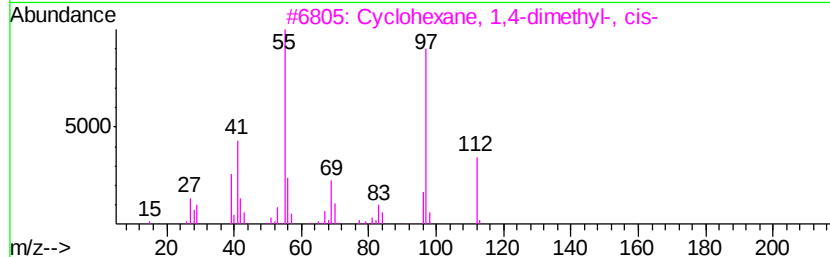
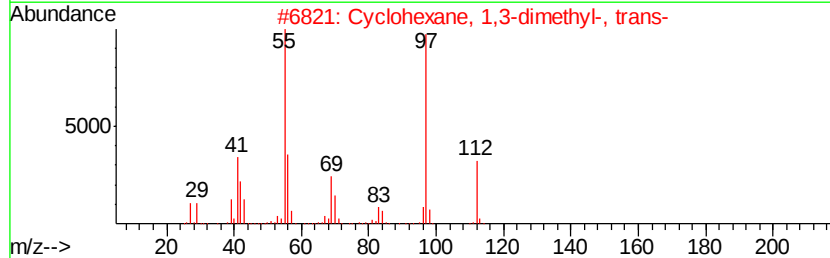
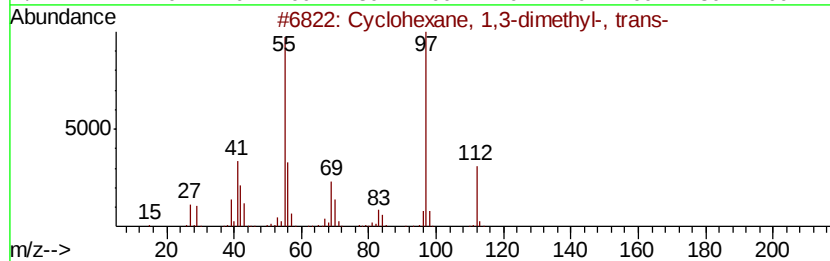
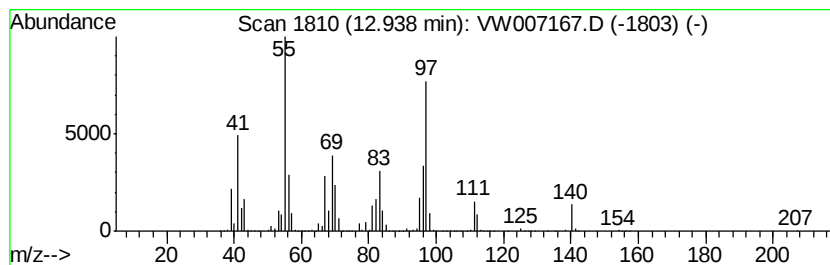
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Quant Title : VOC Analysis

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

Peak Number 48 (DEL) Alkane: Cyclic12.94 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	45.77 ug/L	15438300	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	58
2		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	58
3		Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	52
4		Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	49
5		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	49



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9Y09

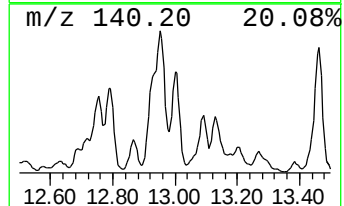
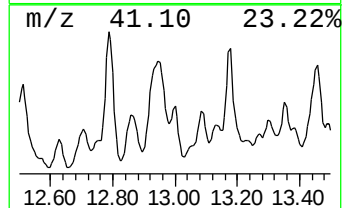
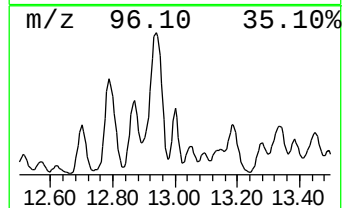
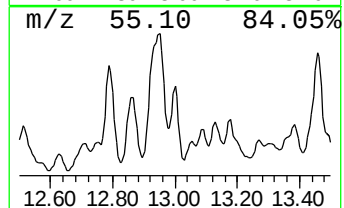
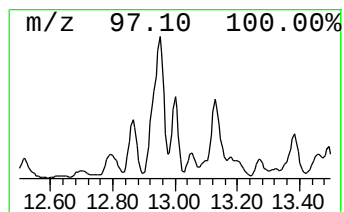
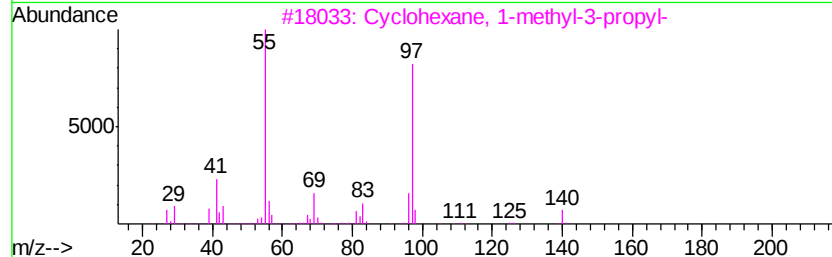
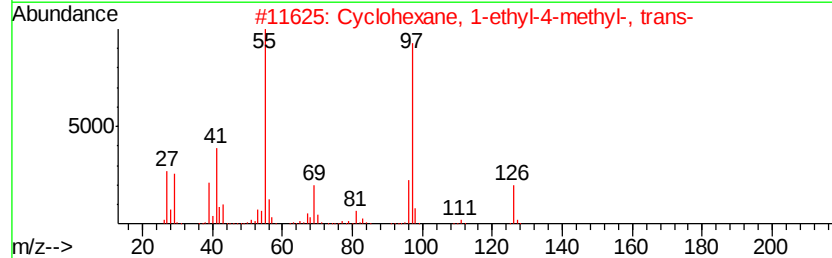
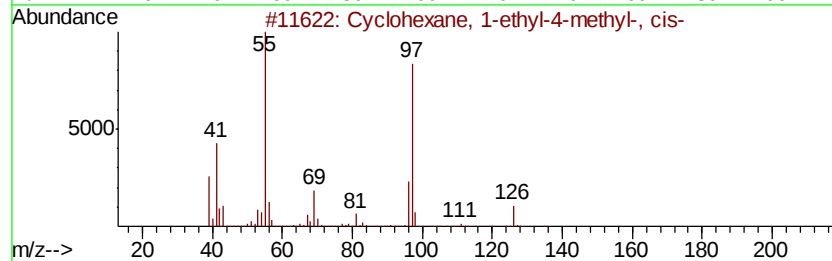
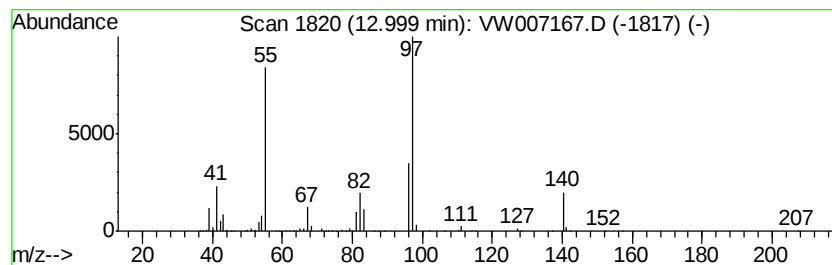
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Quant Title : VOC Analysis

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

Peak Number 49 (DEL) Alkane: Cyclic13.00 Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.00	11.56 ug/L	3900230	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	53
2		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	53
3		Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	50
4		cis-2-Oxabicyclo[4.4.0]decane	140	C9H16O	060416-19-5	50
5		m-Menthane, (1S,3R)-(+)-	140	C10H20	013837-66-6	45



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

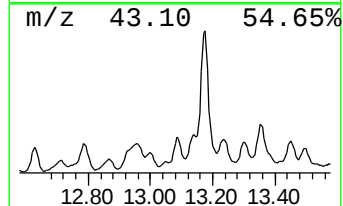
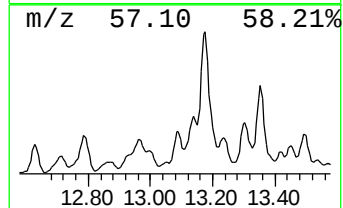
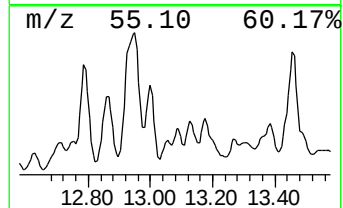
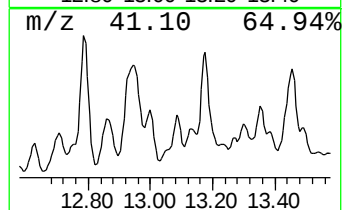
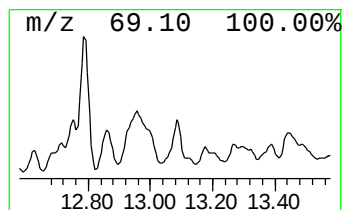
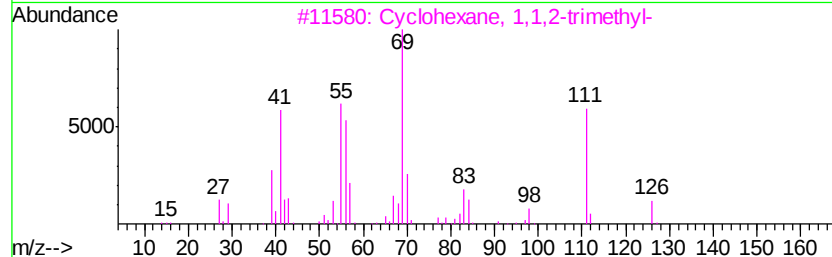
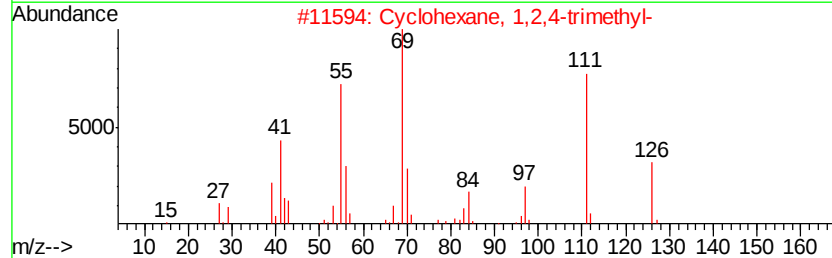
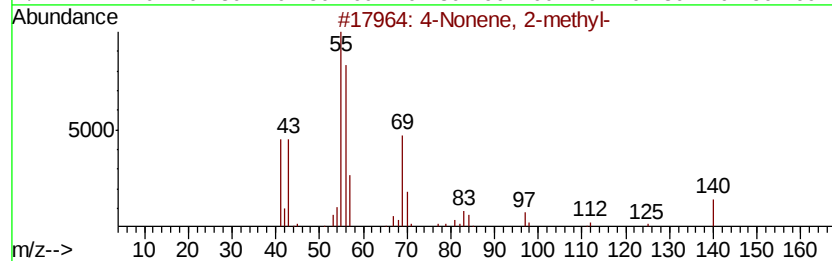
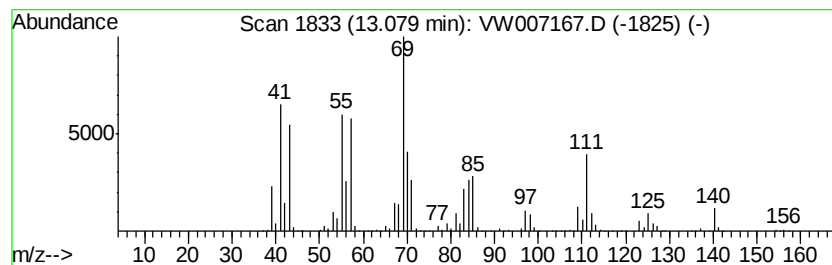
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MSVOA_W
ClientSampleId :
F9Y09

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Quant Title : VOC Analysis

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

Peak Number 50 (DEL) Alkane: Cyclic13.08 Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.08	13.91 ug/L	4691720	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	4-Nonene, 2-methyl-	140 C10H20	055724-84-0	53
2	Cyclohexane, 1,2,4-trimethyl-	126 C9H18	002234-75-5	53
3	Cyclohexane, 1,1,2-trimethyl-	126 C9H18	007094-26-0	53
4	1-Hexene, 3,3-dimethyl-	112 C8H16	003404-77-1	49
5	3-Octene, 2,6-dimethyl-	140 C10H20	006874-28-8	46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9Y09

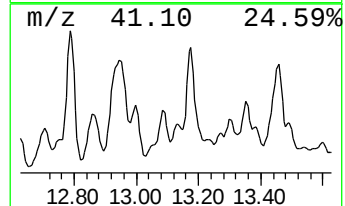
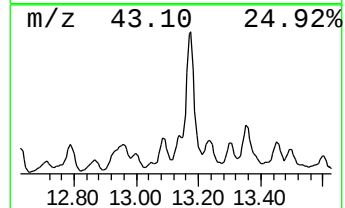
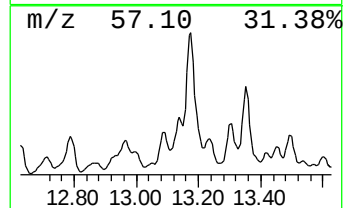
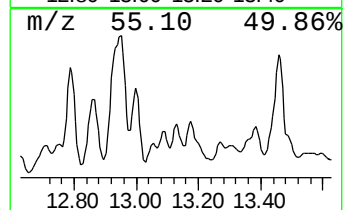
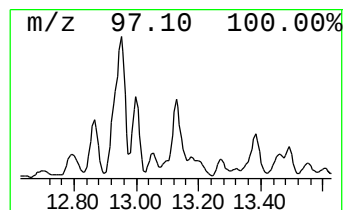
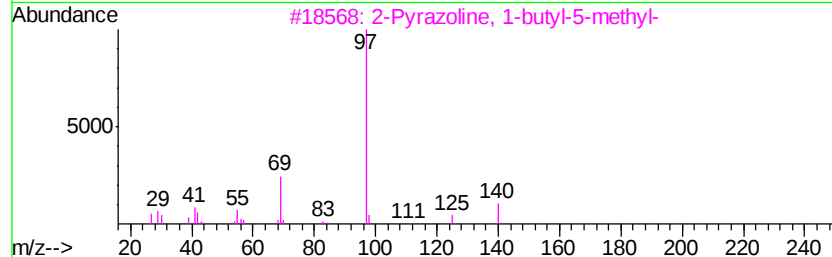
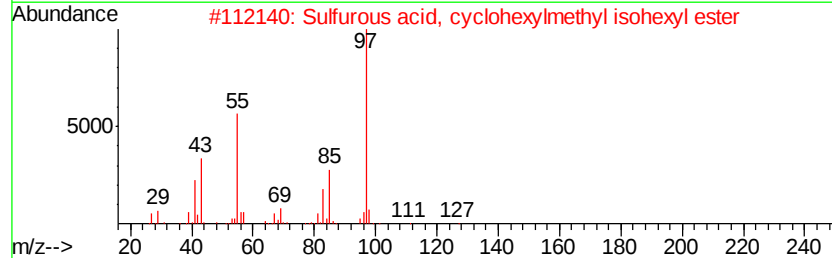
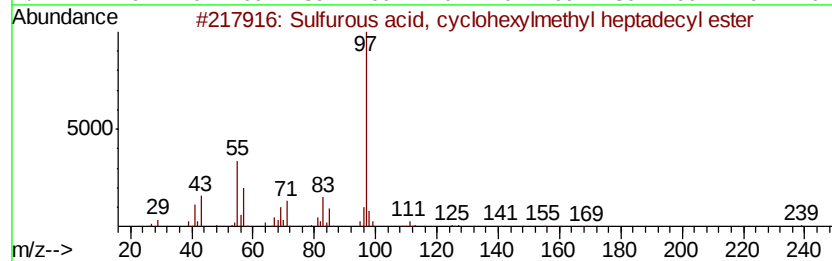
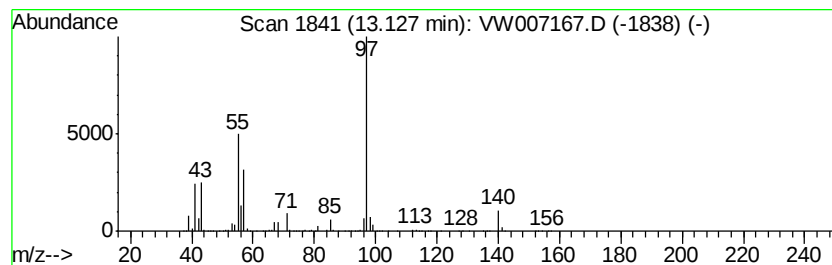
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Quant Title : VOC Analysis

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

Peak Number 51 Sulfurous acid, cyclohexylm... Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	5.19 ug/L	1750600	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Sulfurous acid, cvclohexylmethvl...	416	C24H48O3S	1000309-22-5	59
2		Sulfurous acid, cvclohexylmethvl...	262	C13H26O3S	1000309-21-5	53
3		2-Pyrazoline, 1-butvl-5-methvl-	140	C8H16N2	022581-50-6	49
4		4-Hepten-3-one, 2,6-dimethvl-	140	C9H16O	056259-14-4	49
5		Undecane	156	C11H24	001120-21-4	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9Y09

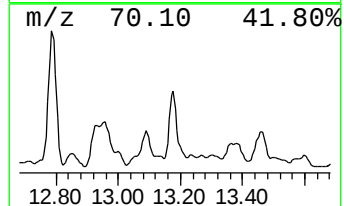
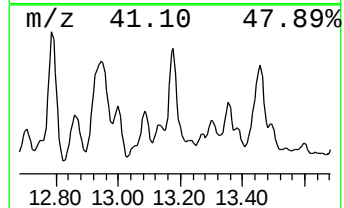
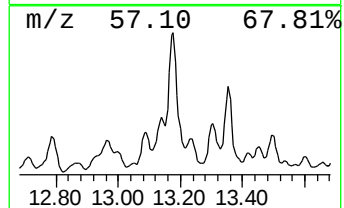
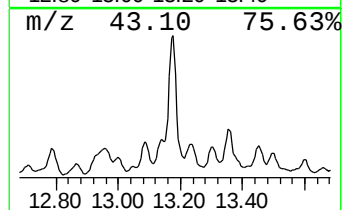
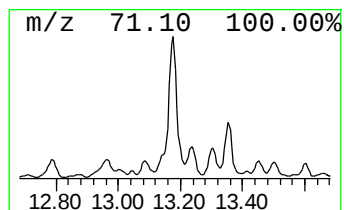
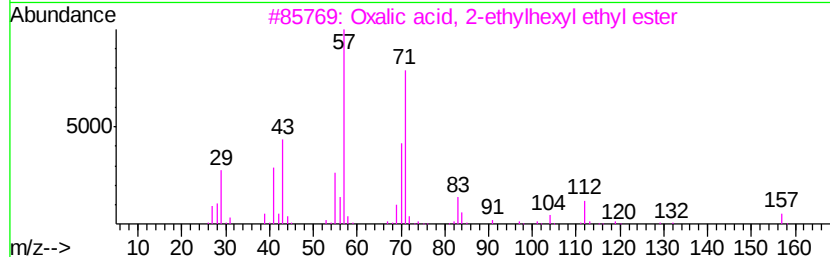
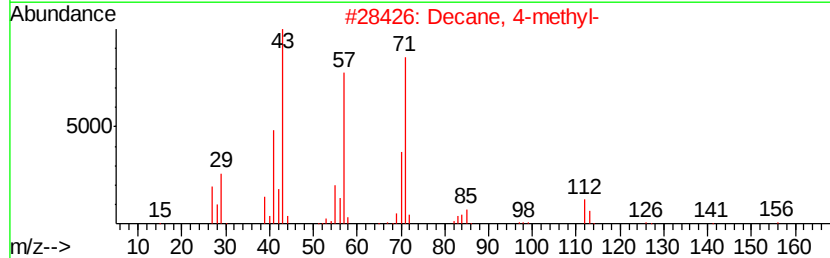
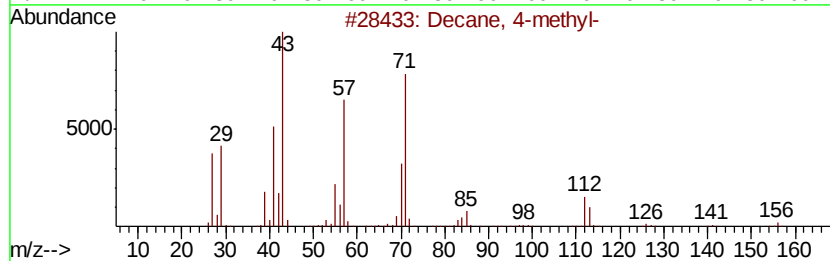
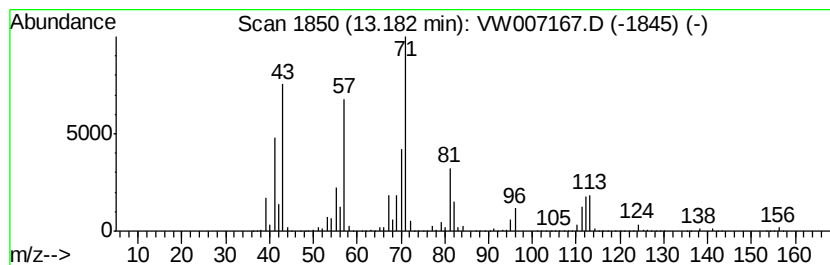
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Quant Title : VOC Analysis

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

Peak Number 52 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.18	21.70 ug/L	7318350	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 4-methyl-	156	C11H24	002847-72-5	90
2			Decane, 4-methyl-	156	C11H24	002847-72-5	83
3			Oxalic acid, 2-ethylhexyl ethyl ...	230	C12H22O4	1000309-38-4	72
4			Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	72
5			Undecane, 4-methyl-	170	C12H26	002980-69-0	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9Y09

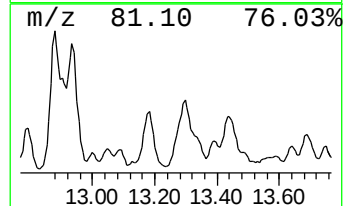
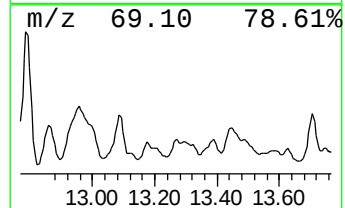
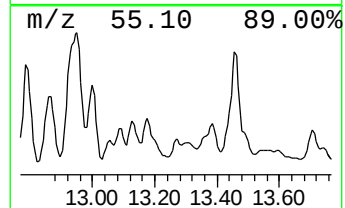
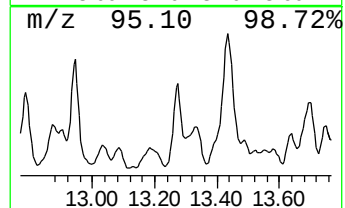
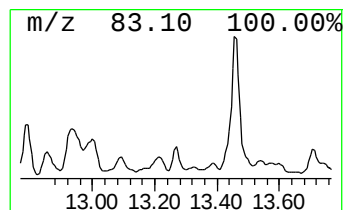
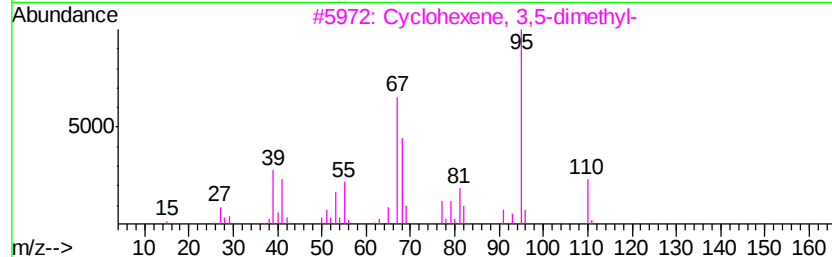
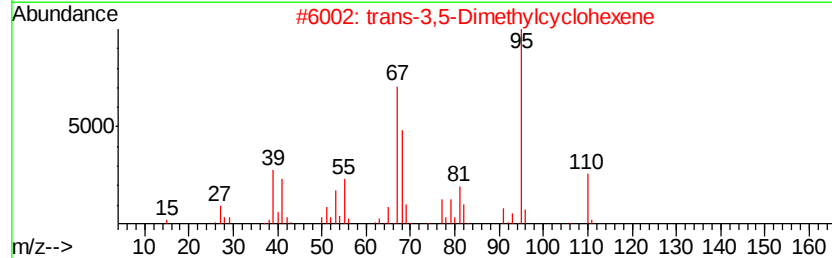
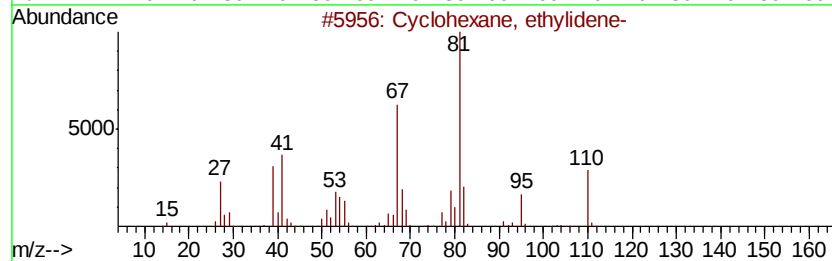
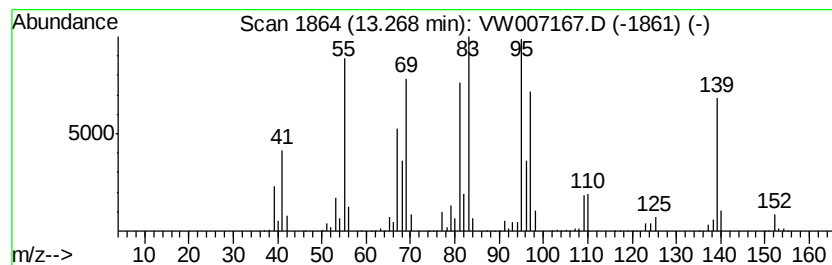
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Quant Title : VOC Analysis

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

Peak Number 53 unknown-03 Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	3.49 ug/L	1177230	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, ethylidene-	110	C8H14	001003-64-1	35
2			trans-3,5-Dimethylcyclohexene	110	C8H14	056021-63-7	35
3			Cyclohexene, 3,5-dimethyl-	110	C8H14	000823-17-6	35
4			Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	006876-13-7	30
5			(-)-trans-Pinane	138	C10H18	033626-25-4	25



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9Y09

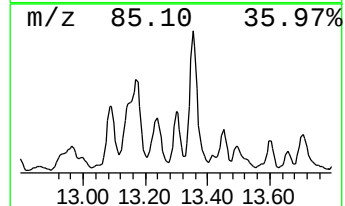
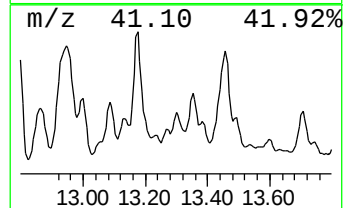
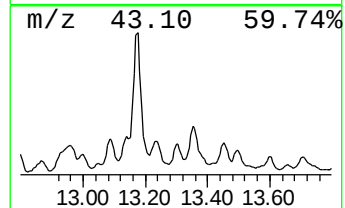
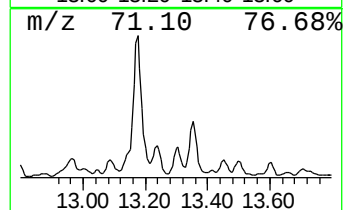
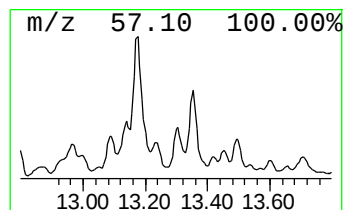
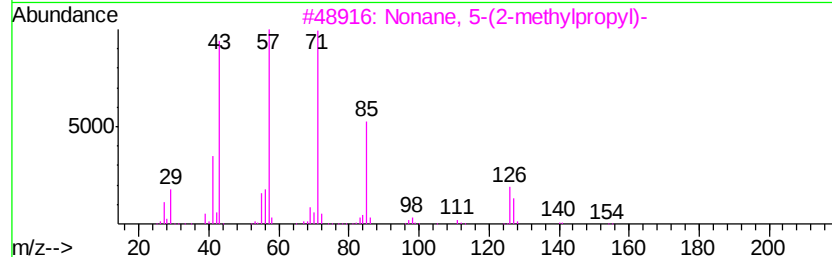
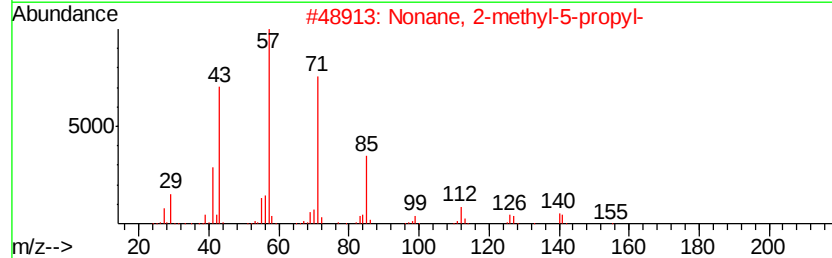
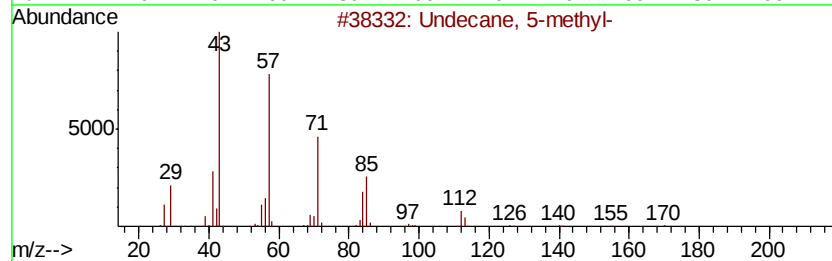
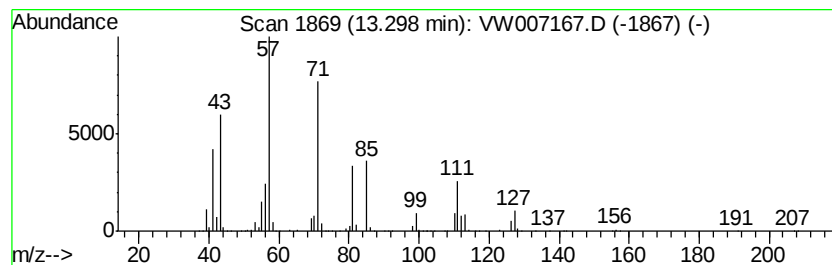
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Quant Title : VOC Analysis

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

Peak Number 54 (DEL) Alkane: Straight-Chai... Concentration Rank 73

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.30	2.62 ug/L	884385	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 5-methyl-	170	C12H26	001632-70-8	53
2		Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	53
3		Nonane, 5-(2-methylpropyl)-	184	C13H28	062185-53-9	47
4		Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	47
5		Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9Y09

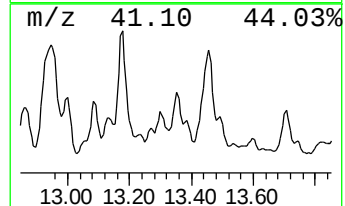
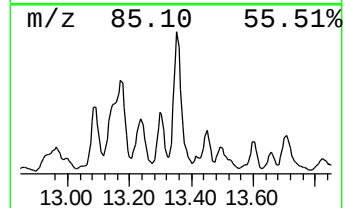
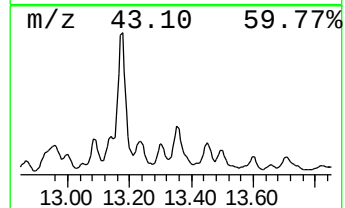
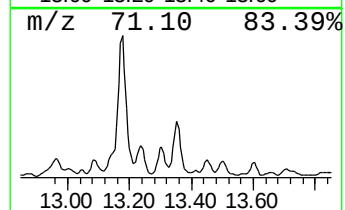
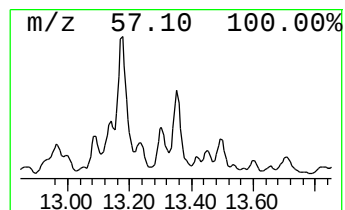
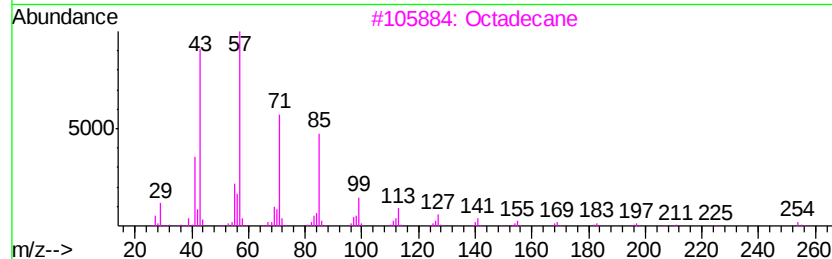
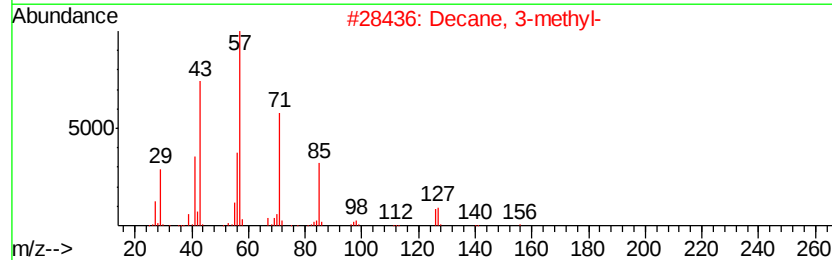
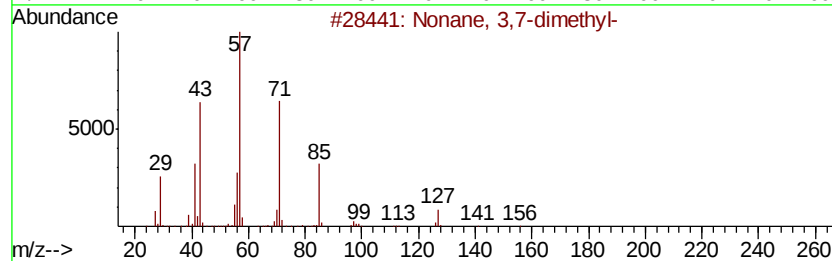
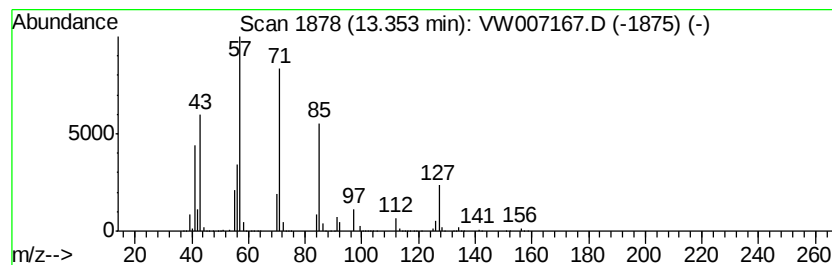
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Quant Title : VOC Analysis

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

Peak Number 55 (DEL) Alkane: Straight-Chai... Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.35	4.59 ug/L	1548310	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	90
2			Decane, 3-methyl-	156	C11H24	013151-34-3	78
3			Octadecane	254	C18H38	000593-45-3	64
4			Sulfurous acid, 2-ethylhexyl iso...	278	C14H30O3S	1000309-19-0	59
5			Decane, 3-methyl-	156	C11H24	013151-34-3	58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9Y09

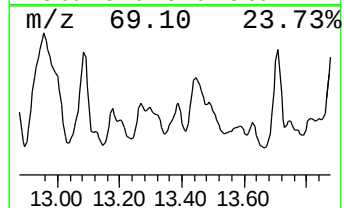
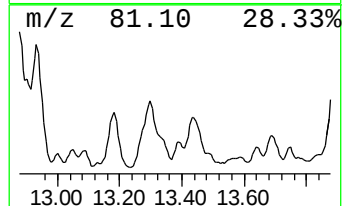
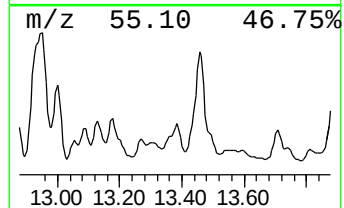
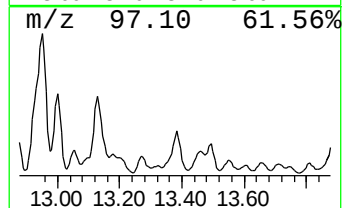
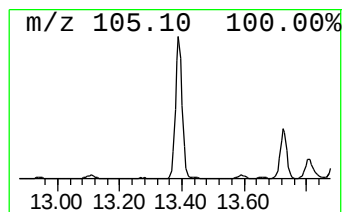
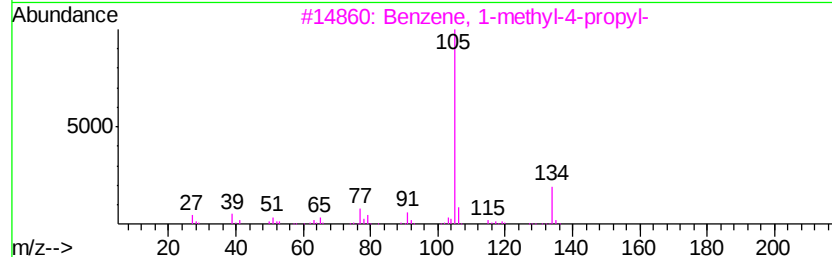
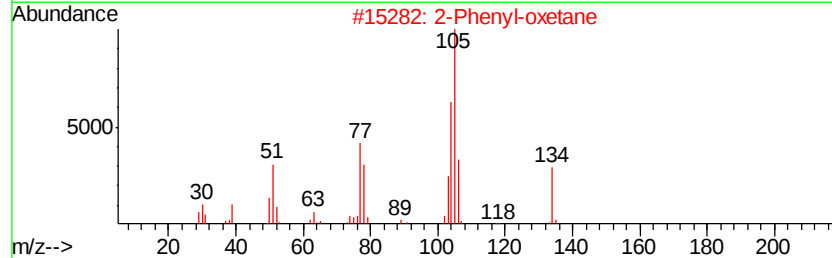
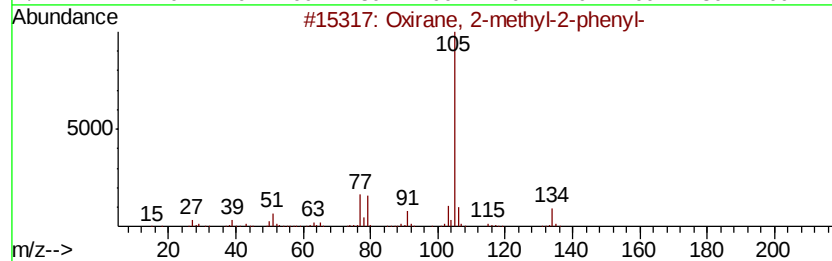
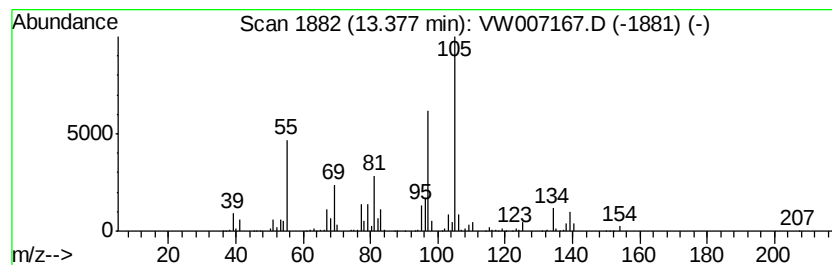
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Quant Title : VOC Analysis

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

Peak Number 56 unknown-04 Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	5.31 ug/L	1790990	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Oxirane, 2-methyl-2-phenyl-	134	C9H10O	002085-88-3	35
2		2-Phenyl-oxetane	134	C9H10O	1000145-26-5	18
3		Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	18
4		Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	18
5		Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	18



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

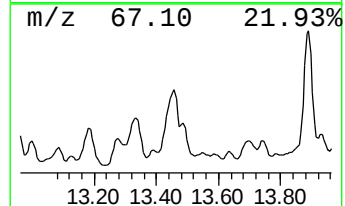
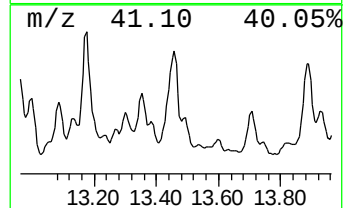
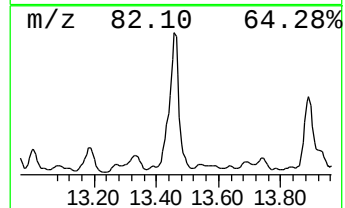
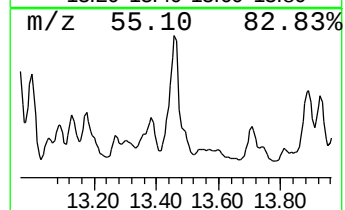
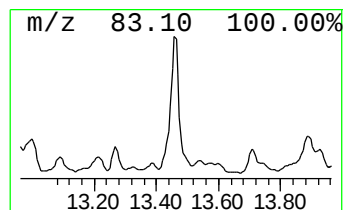
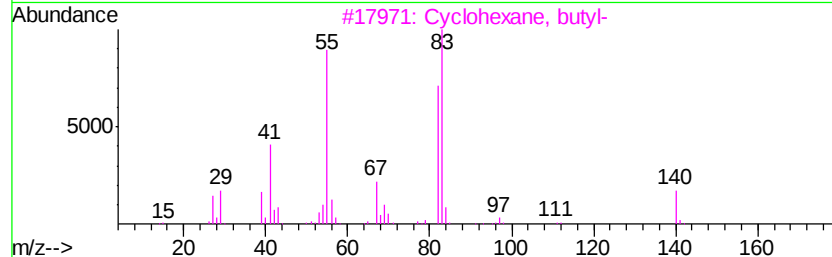
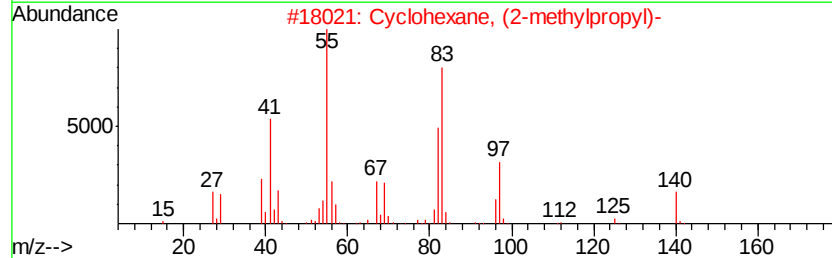
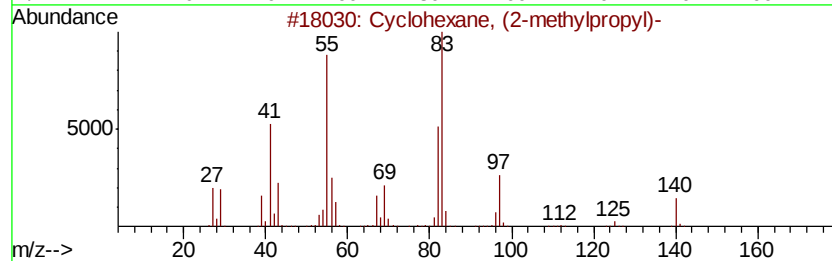
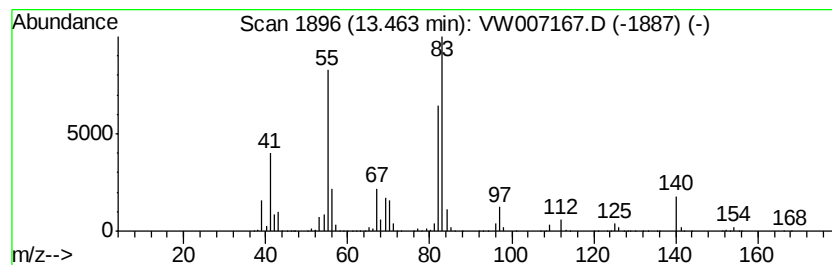
Instrument :
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ClientSampleId :
F9Y09

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

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

Peak Number 57 (DEL) Alkane: Cyclic13.46 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.46	25.00 ug/L	8432660	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclohexane, (2-methylpropyl)-	140 C10H20	001678-98-4 87
2		Cyclohexane, (2-methylpropyl)-	140 C10H20	001678-98-4 86
3		Cyclohexane, butyl-	140 C10H20	001678-93-9 83
4		Cyclohexane, pentyl-	154 C11H22	004292-92-6 80
5		Cyclohexane, butyl-	140 C10H20	001678-93-9 80



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9Y09

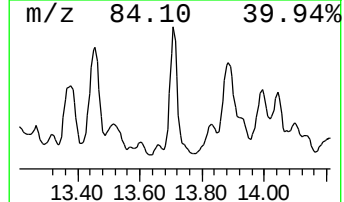
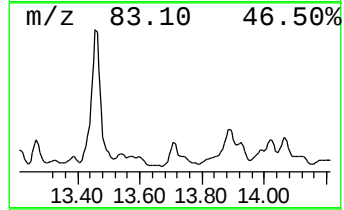
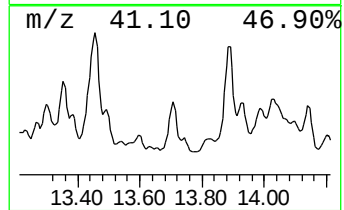
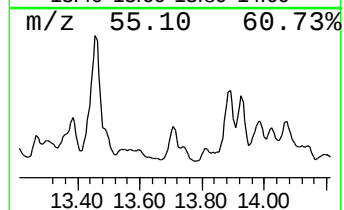
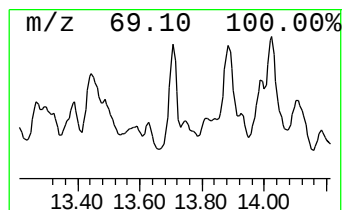
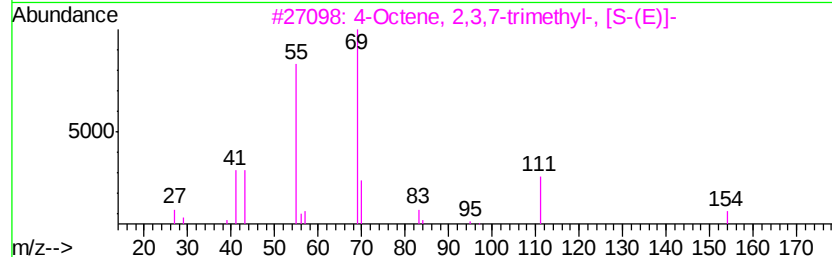
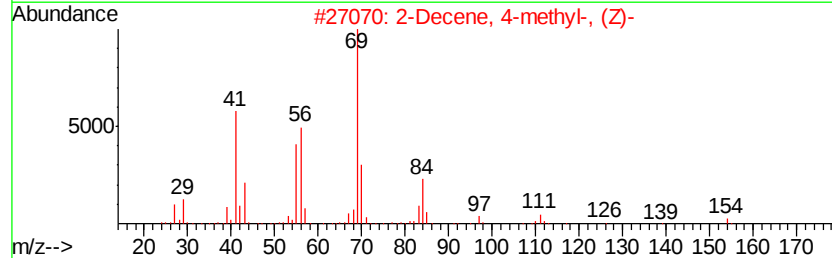
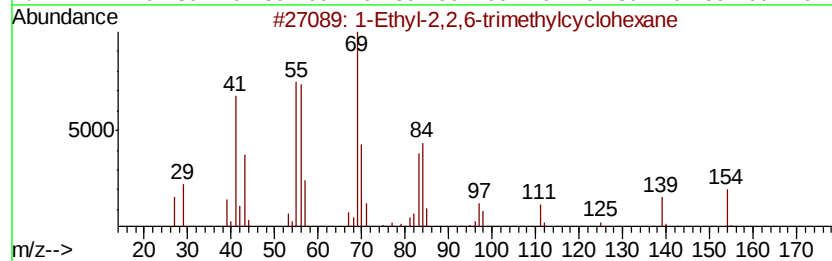
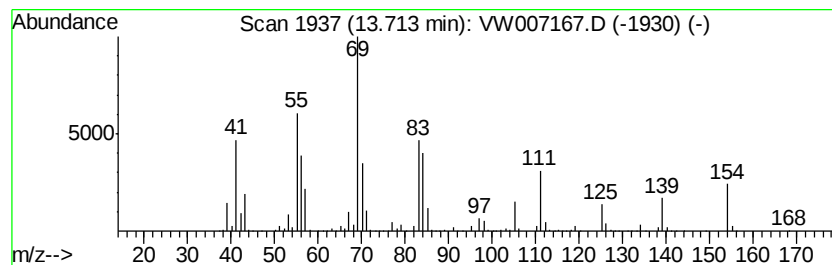
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Quant Title : VOC Analysis

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

Peak Number 58 (DEL) Alkane: Straight-Chai... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.71	14.07 ug/L	4747380	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Ethyl-2,2,6-trimethylcyclohexane	154	C11H22	071186-27-1	86
2		2-Decene, 4-methyl-, (Z)-	154	C11H22	074630-30-1	58
3		4-Octene, 2,3,7-trimethyl-, [S-(...]	154	C11H22	052763-13-0	50
4		Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	49
5		Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9Y09

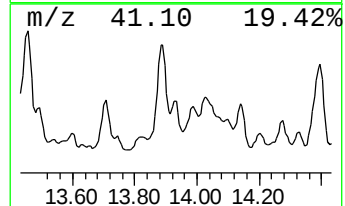
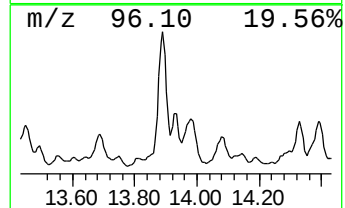
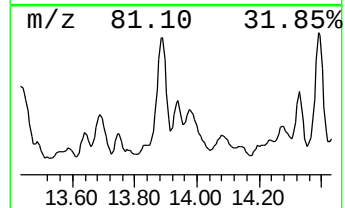
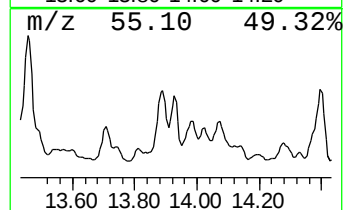
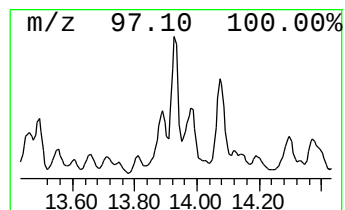
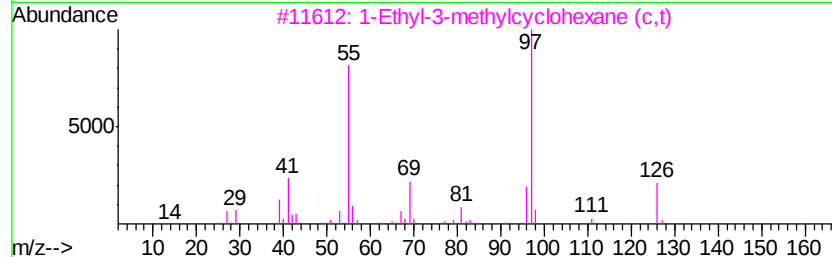
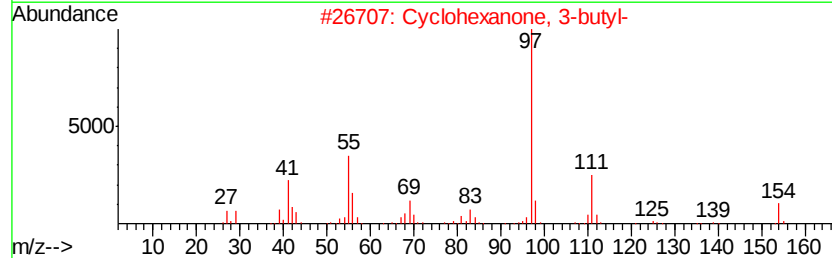
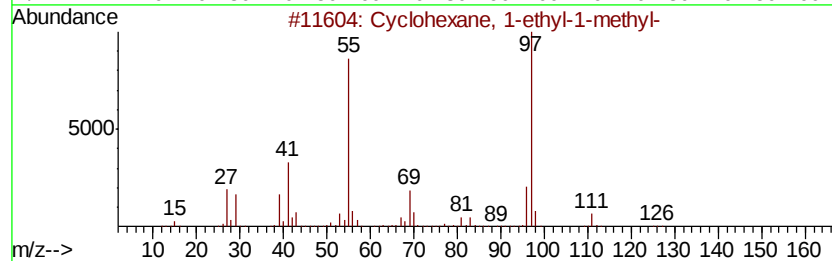
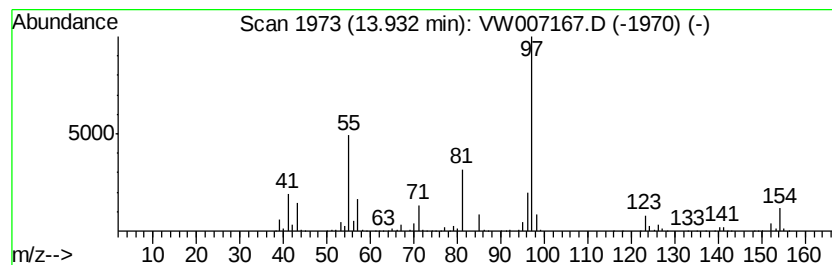
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Quant Title : VOC Analysis

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

Peak Number 59 (DEL) Alkane: Cyclic13.93 Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.93	8.69 ug/L	2931940	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	64
2		Cyclohexanone, 3-butyl-	154	C10H18O	039178-69-3	59
3		1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	56
4		cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	56
5		2-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-40-4	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

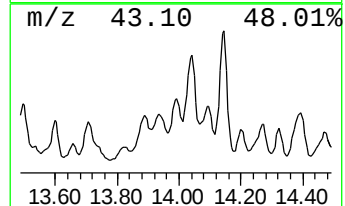
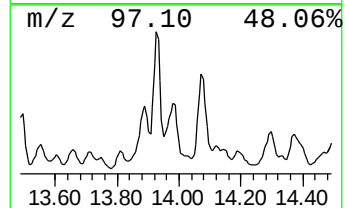
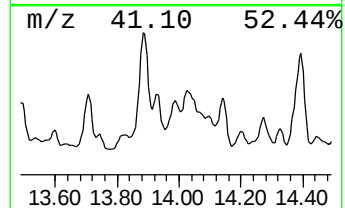
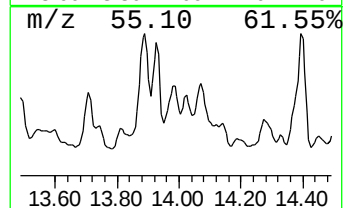
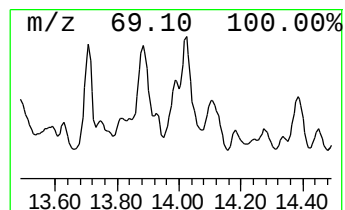
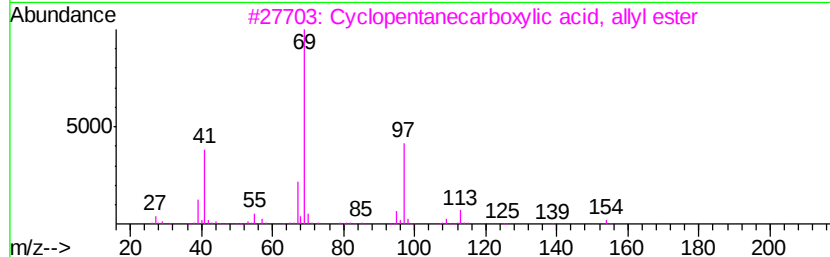
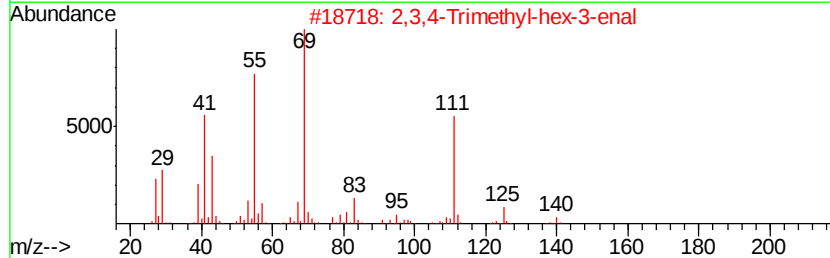
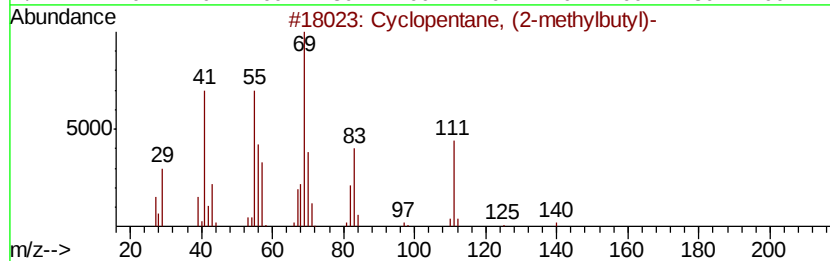
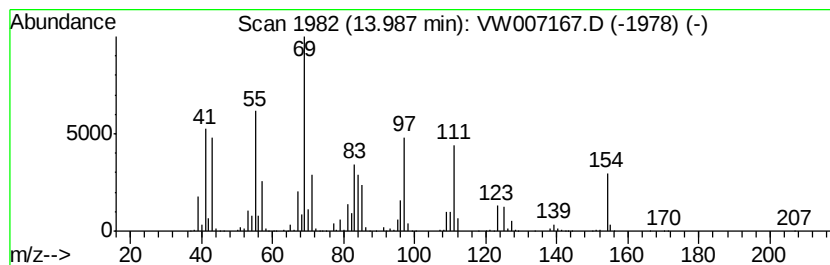
Instrument :
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ClientSampleId :
F9Y09

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

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

Peak Number 60 (DEL) Alkane: Cyclic13.99 Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.99	8.36 ug/L	2820510	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclopentane, (2-methylbutyl)-	140 C10H20	053366-38-4 43
2		2,3,4-Trimethyl-hex-3-enal	140 C9H16O	1000193-72-9 38
3		Cyclopentanecarboxylic acid, all...	154 C9H14O2	178905-33-4 38
4		Cyclopentanecarboxylic acid, eth...	140 C8H12O2	016523-06-1 35
5		2-Hexene, 4-ethyl-2,3-dimethyl-	140 C10H20	1000149-19-7 35



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9Y09

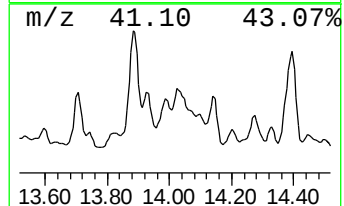
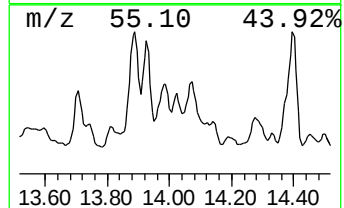
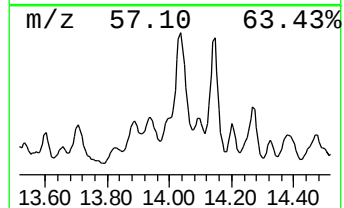
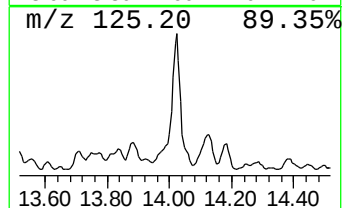
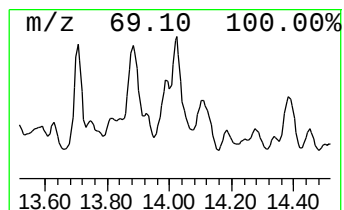
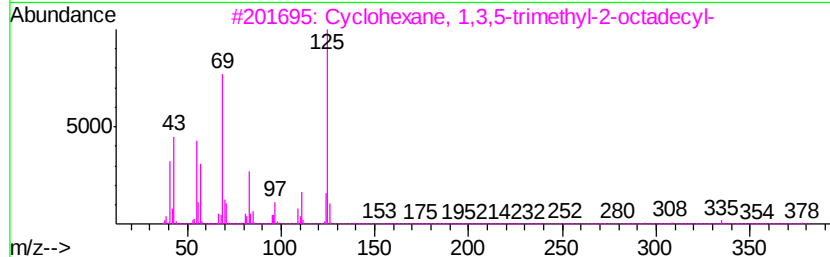
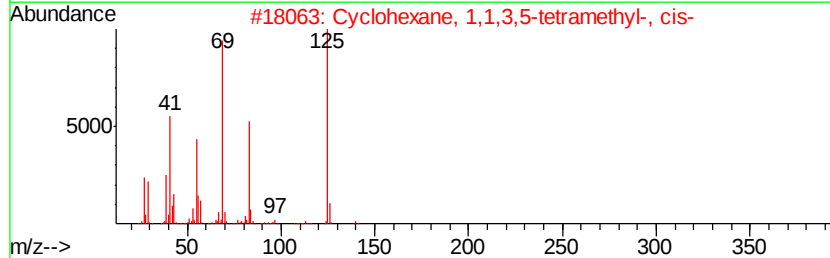
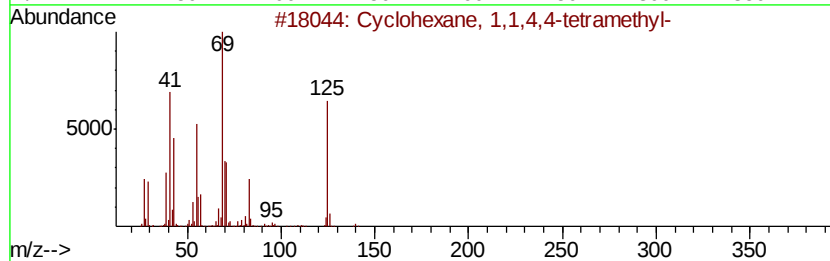
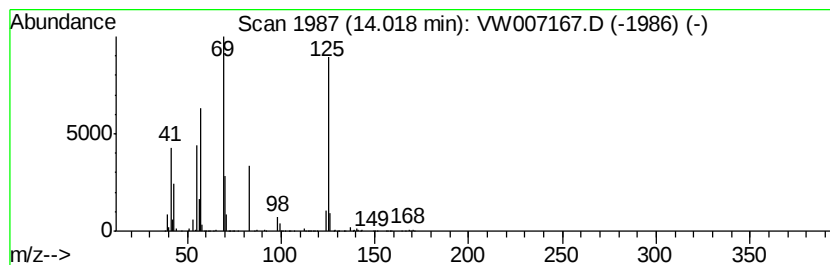
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Quant Title : VOC Analysis

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

Peak Number 61 (DEL) Alkane: Straight-Chai... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.02	10.17 ug/L	3430610	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	80
2		Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	46
3		Cyclohexane, 1,3,5-trimethyl-2-o...	378	C27H54	055282-34-3	42
4		1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	38
5		2-Heptene, 4-methyl-, (E)-	112	C8H16	066225-17-0	35



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

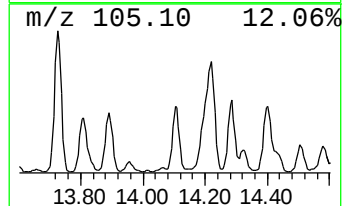
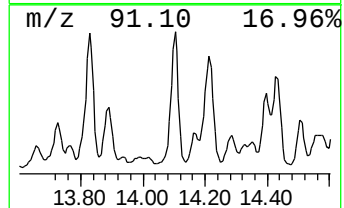
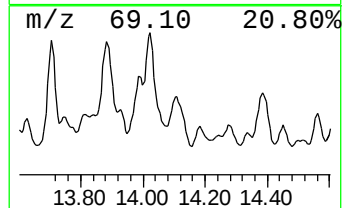
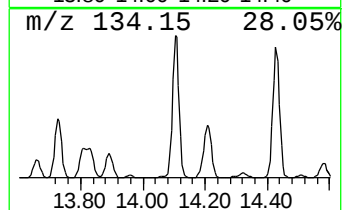
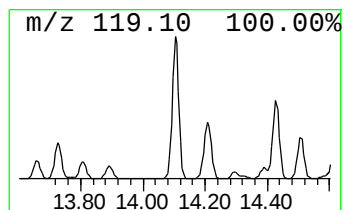
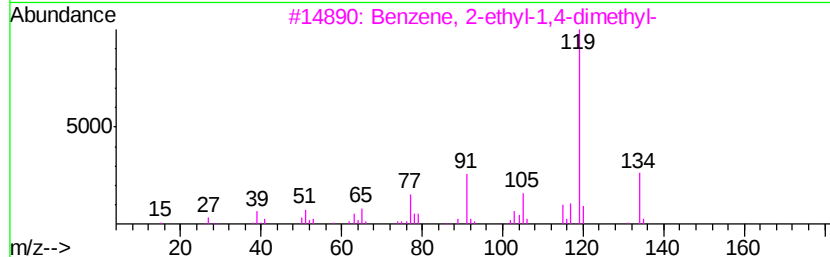
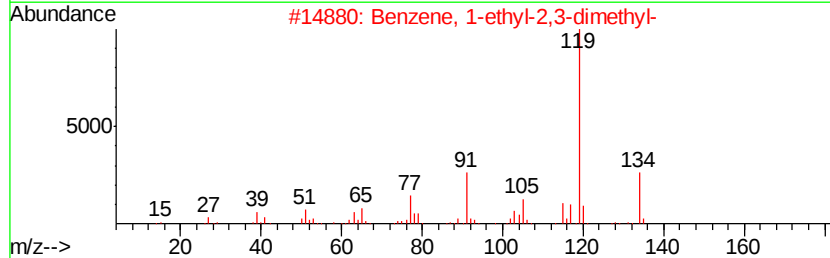
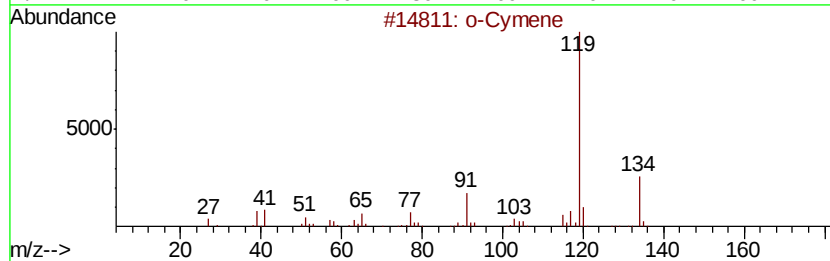
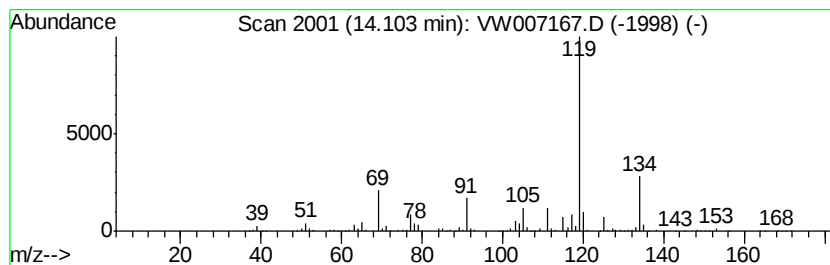
Instrument :
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ClientSampleId :
F9Y09

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

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

Peak Number 62 o-Cymene Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	6.77 ug/L	2282380	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		o-Cymene	134 C10H14	000527-84-4 95
2		Benzene, 1-ethyl-2,3-dimethyl-	134 C10H14	000933-98-2 95
3		Benzene, 2-ethyl-1,4-dimethyl-	134 C10H14	001758-88-9 95
4		o-Cymene	134 C10H14	000527-84-4 94
5		Benzene, 2-ethyl-1,4-dimethyl-	134 C10H14	001758-88-9 94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
 Data File : VW007167.D
 Acq On : 03 Dec 2018 18:04
 Operator : SY/AP
 Sample : J6171-05
 Misc : 6.57G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 F9Y09

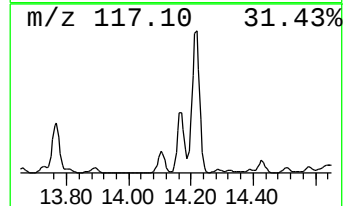
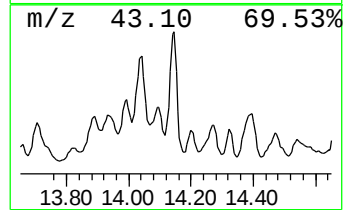
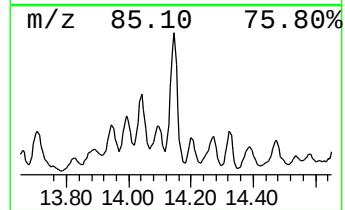
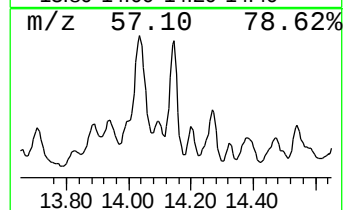
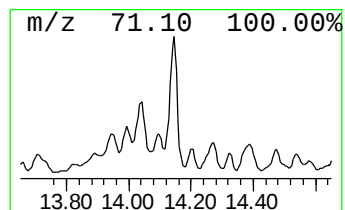
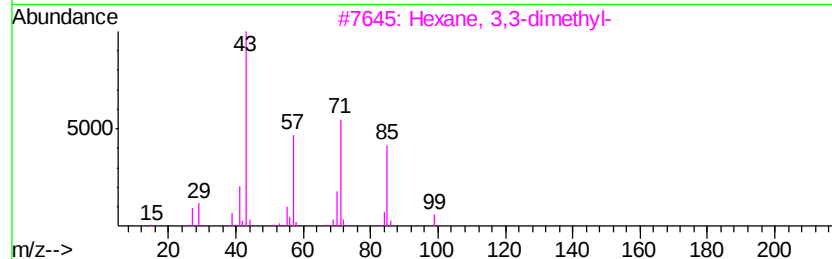
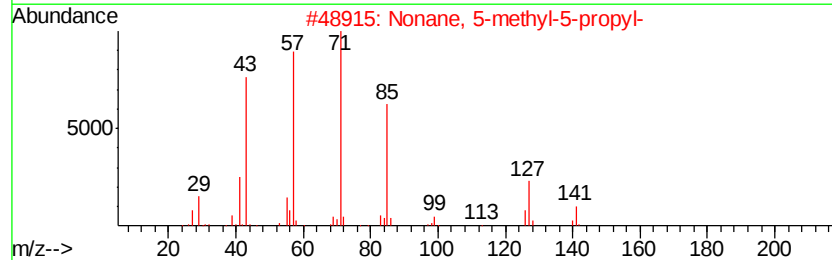
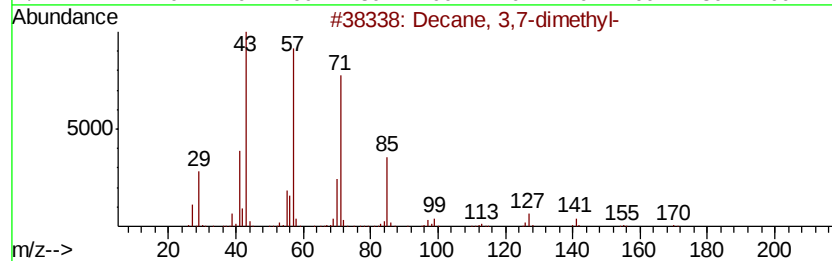
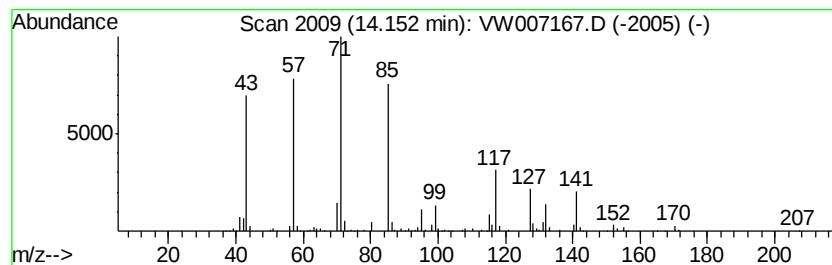
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 Quant Title : VOC Analysis

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

 Peak Number 63 (DEL) Alkane: Cyclic14.15 Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.15	5.30 ug/L	1788470	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	91
2			Nonane, 5-methyl-5-propyl-	184	C13H28	017312-75-3	72
3			Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	64
4			Octane, 6-ethyl-2-methyl-	156	C11H24	062016-19-7	64
5			Sulfurous acid, nonyl 2-propyl e...	250	C12H26O3S	1000309-12-0	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9Y09

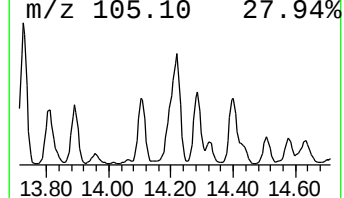
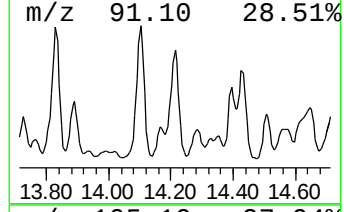
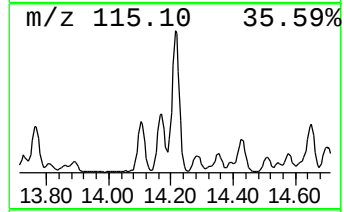
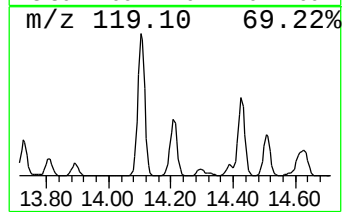
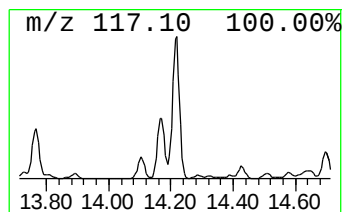
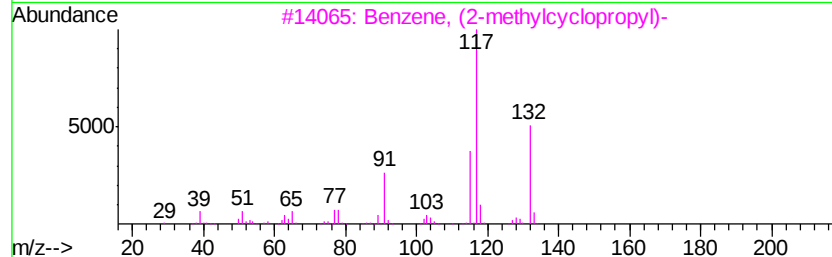
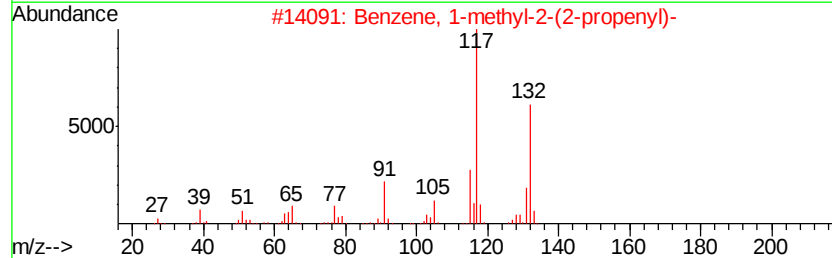
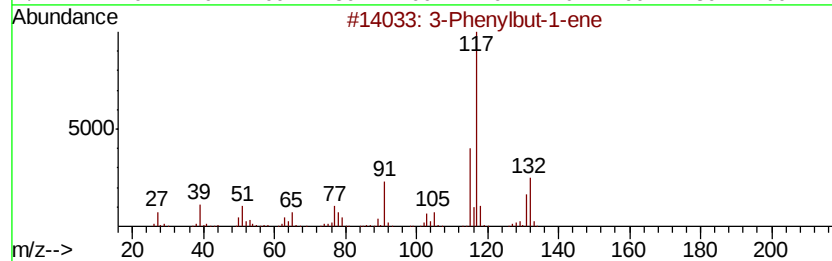
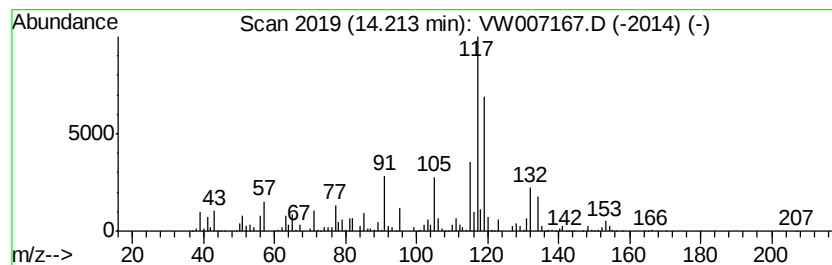
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Quant Title : VOC Analysis

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

Peak Number 64 3-Phenylbut-1-ene Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	5.78 ug/L	1951120	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	60
2		Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	58
3		Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	55
4		1-Phenyl-1-butene	132	C10H12	000824-90-8	53
5		Benzene, 2-butenyl-	132	C10H12	001560-06-1	49



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
F9Y09

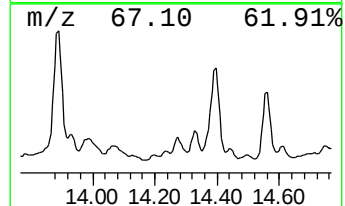
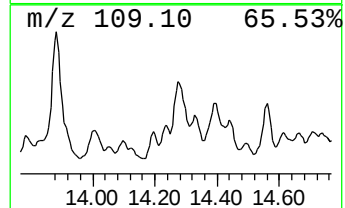
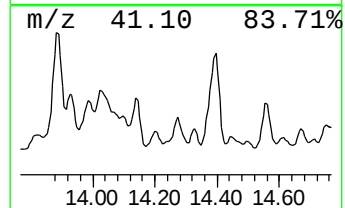
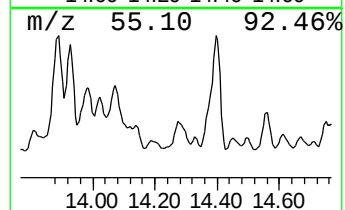
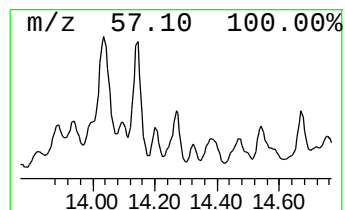
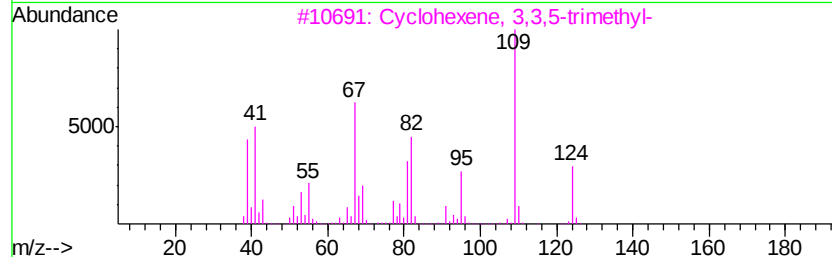
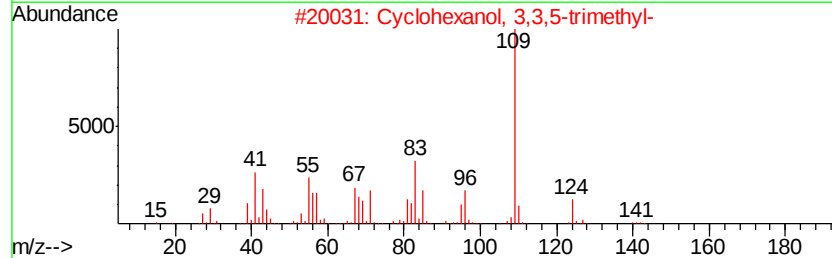
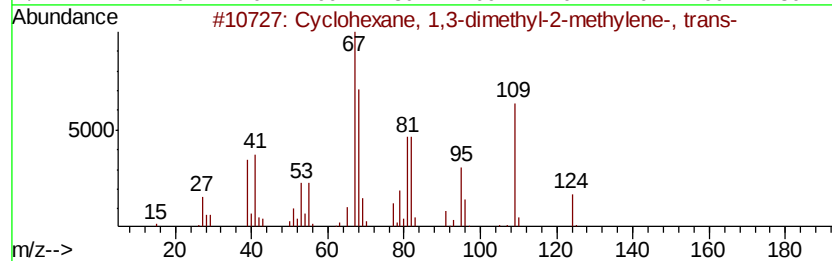
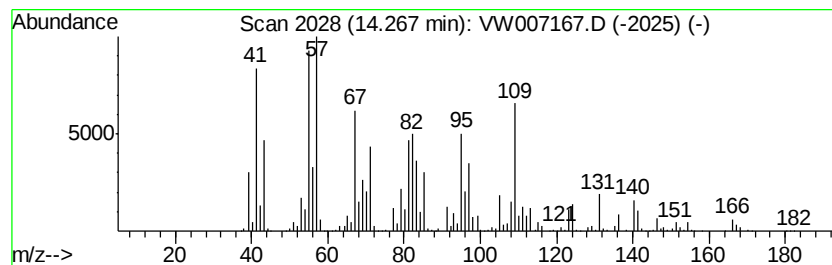
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Quant Title : VOC Analysis

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

Peak Number 65 Cyclohexane, 1,3-dimethyl-2... Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.27	5.36 ug/L	1807510	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,3-dimethyl-2-meth...	124	C9H16	020348-74-7	64
2			Cyclohexanol, 3,3,5-trimethyl-	142	C9H18O	000116-02-9	50
3			Cyclohexene, 3,3,5-trimethyl-	124	C9H16	000503-45-7	46
4			Cyclohexene, 3,5,5-trimethyl-	124	C9H16	000933-12-0	41
5			Hexane, 1-(isopropylidenecyclopr...	166	C12H22	024524-53-6	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9Y09

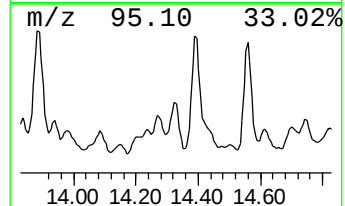
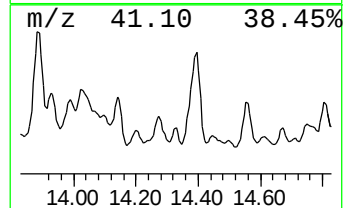
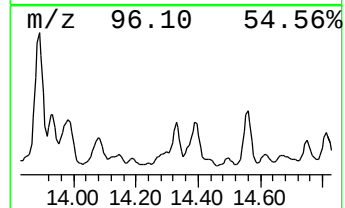
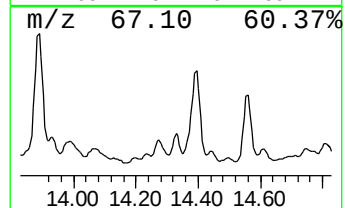
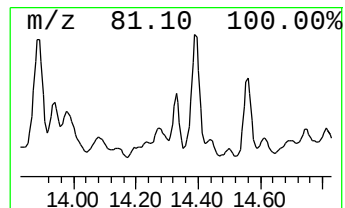
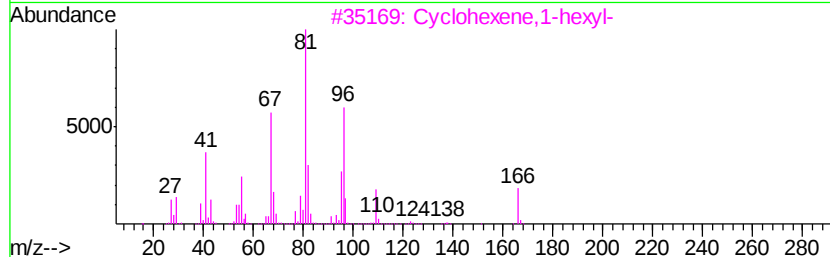
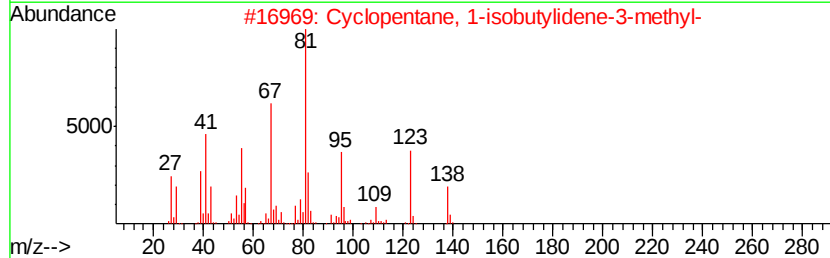
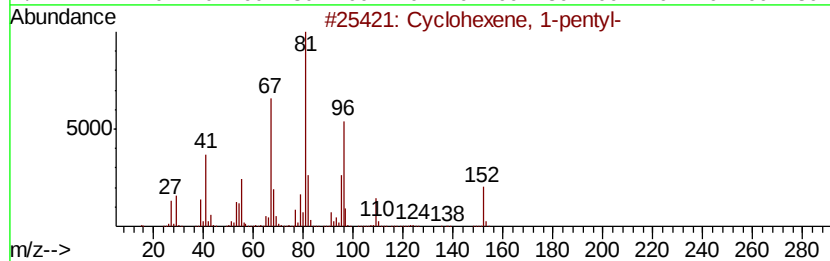
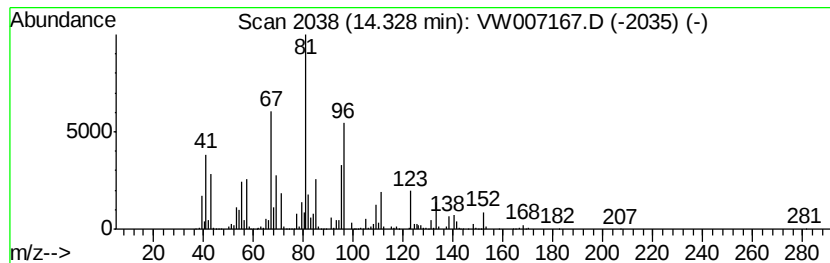
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Quant Title : VOC Analysis

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

Peak Number 66 Cyclohexene, 1-pentyl- Concentration Rank 77

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.33	2.30 ug/L	774613	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexene, 1-pentyl-	152	C11H20	015232-85-6	70
2		Cyclopentane, 1-isobutylidene-3-...	138	C10H18	1000150-62-1	64
3		Cyclohexene, 1-hexyl-	166	C12H22	003964-66-7	62
4		Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	47
5		Cyclopentane, 1-methyl-3-(2-meth...	138	C10H18	075873-01-7	46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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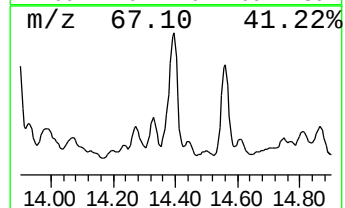
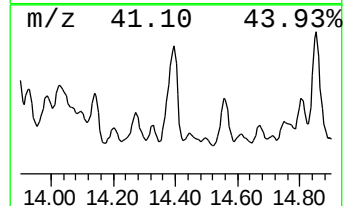
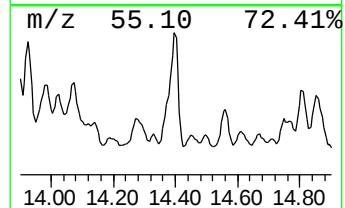
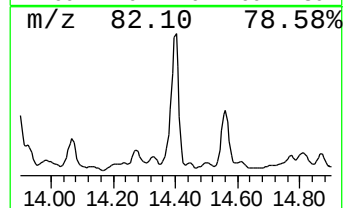
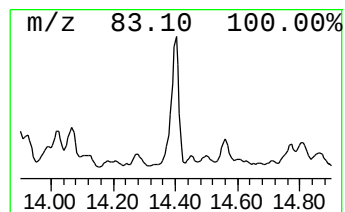
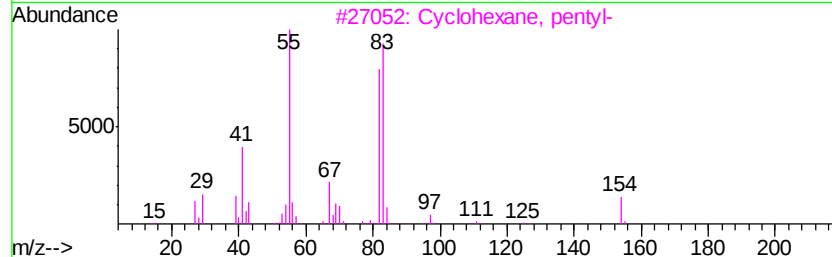
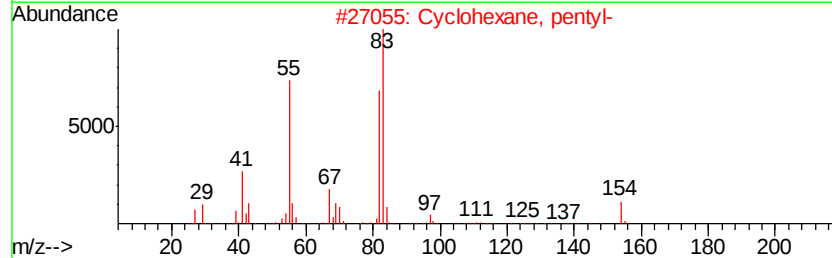
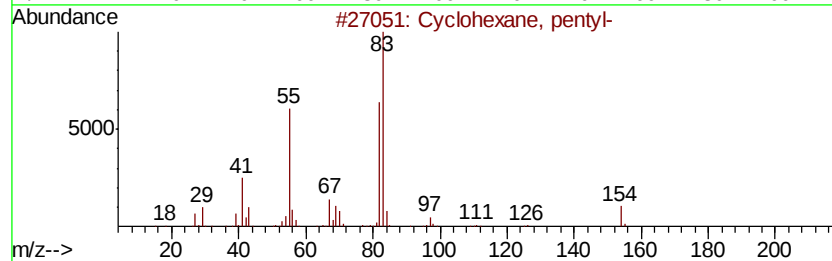
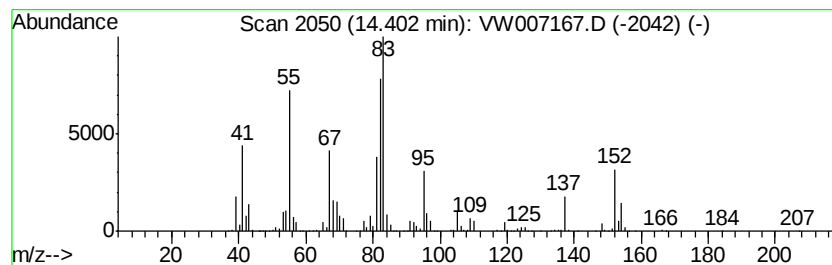
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Quant Title : VOC Analysis

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

Peak Number 67 (DEL) Alkane: Cyclic14.40 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.40	21.63 ug/L	7296760	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, pentyl-	154	C11H22	004292-92-6	55
2		Cyclohexane, pentyl-	154	C11H22	004292-92-6	55
3		Cyclohexane, pentyl-	154	C11H22	004292-92-6	55
4		Cyclohexane, 1,1'-(1,4-butanediyl-...	222	C16H30	006165-44-2	47
5		Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

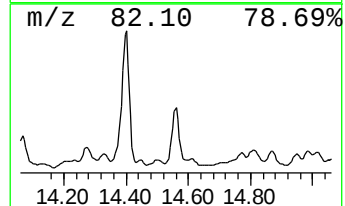
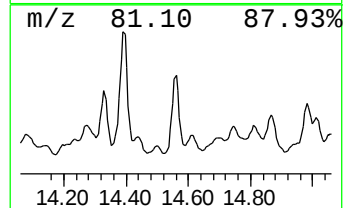
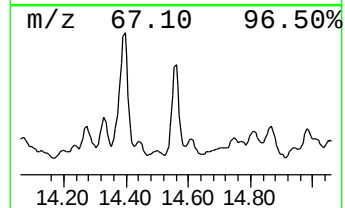
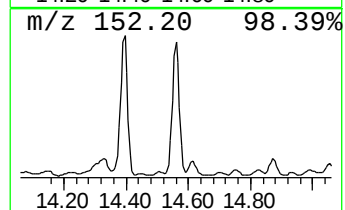
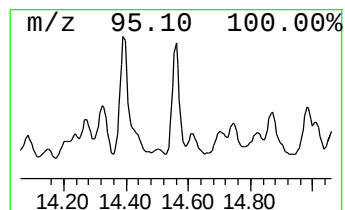
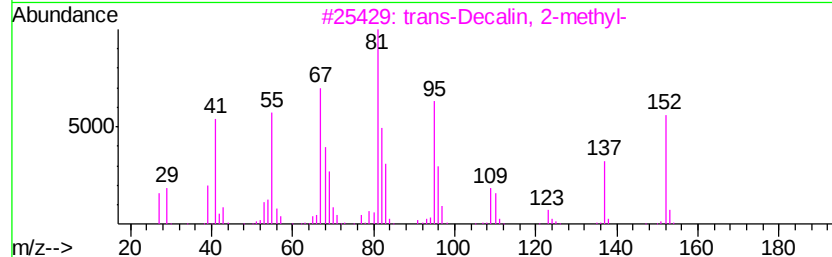
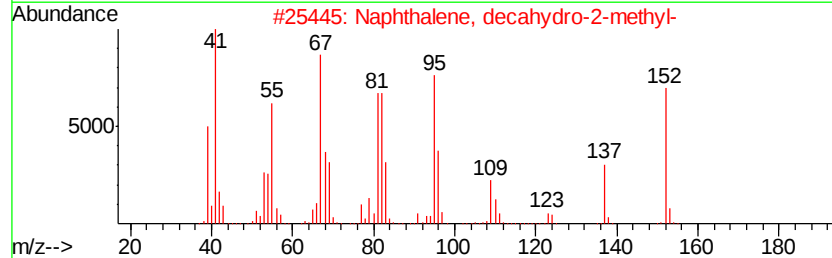
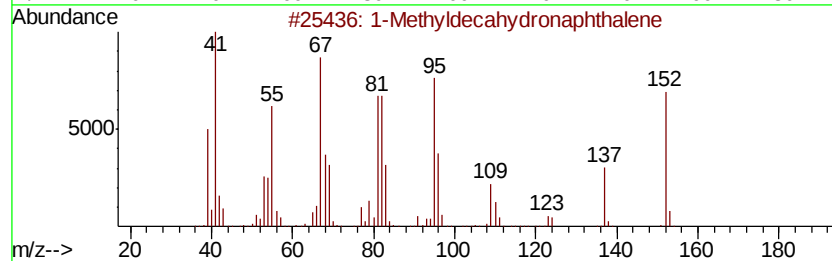
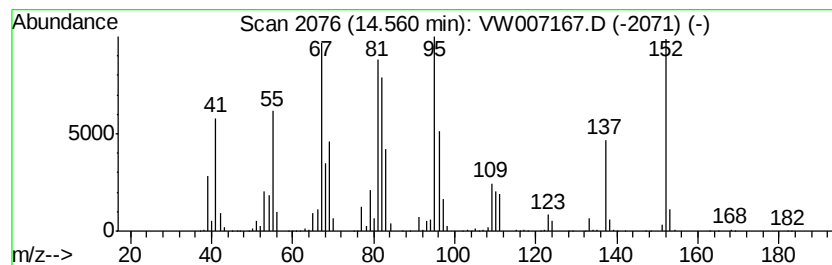
Instrument :
MSVOA_W
ClientSampleId :
F9Y09

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

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

Peak Number 68 1-Methyldecahydronaphthalene Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.56	10.82 ug/L	3648010	1,4-Dichlorobenzene-d4	13.56	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	96
2	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	96
3	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	89
4	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	81
5	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	76



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9Y09

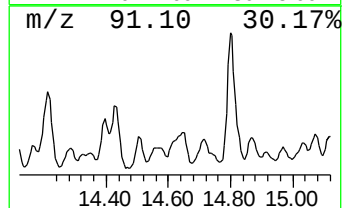
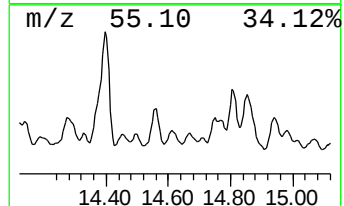
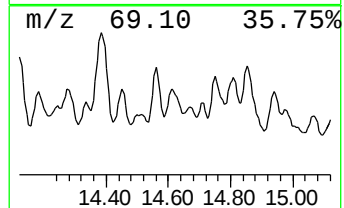
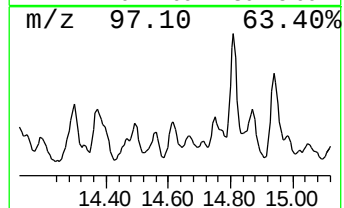
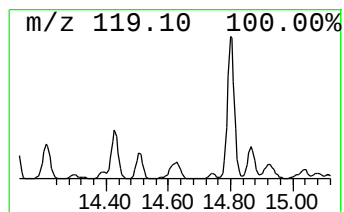
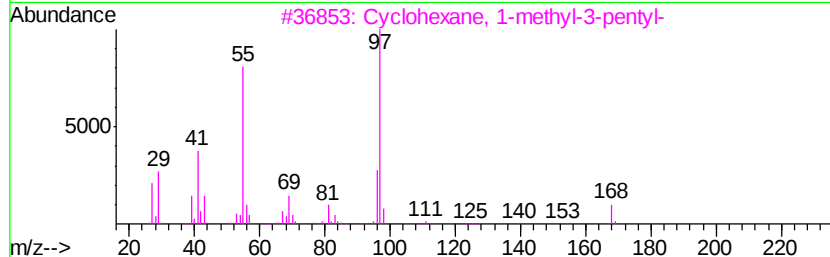
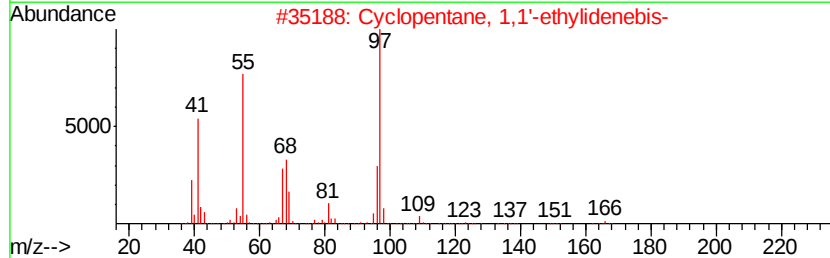
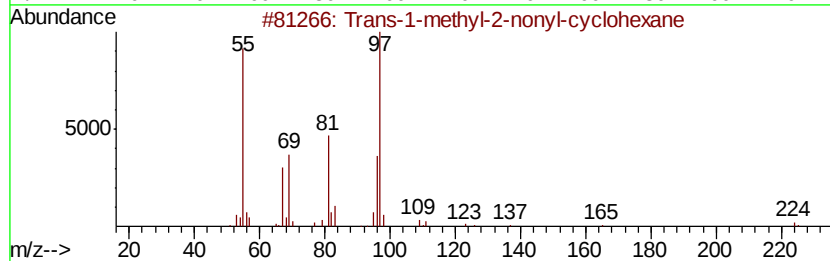
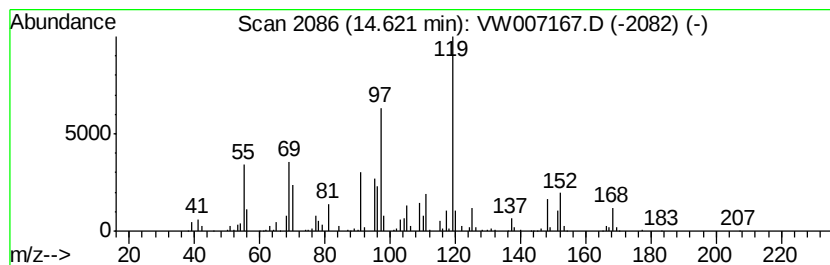
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Quant Title : VOC Analysis

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

Peak Number 69 unknown-05 Concentration Rank 80

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.62	1.60 ug/L	540493	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trans-1-methyl-2-nonyl-cyclohexane	224	C16H32	1000371-47-8	22		
2	Cyclopentane, 1,1'-ethylidenebis-	166	C12H22	004413-21-2	22		
3	Cyclohexane, 1-methyl-3-pentyl-	168	C12H24	054411-02-8	22		
4	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	18		
5	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	18		



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9Y09

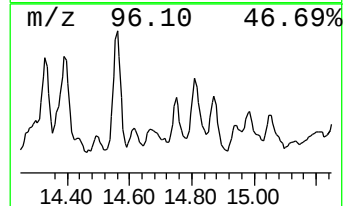
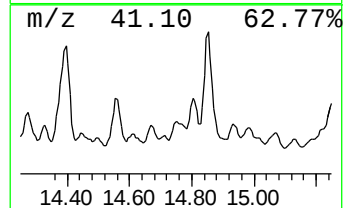
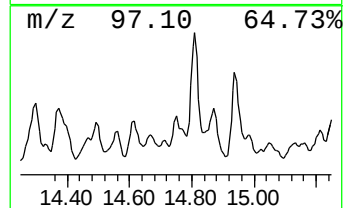
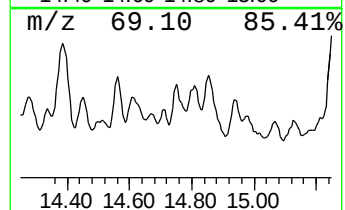
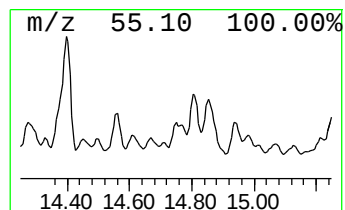
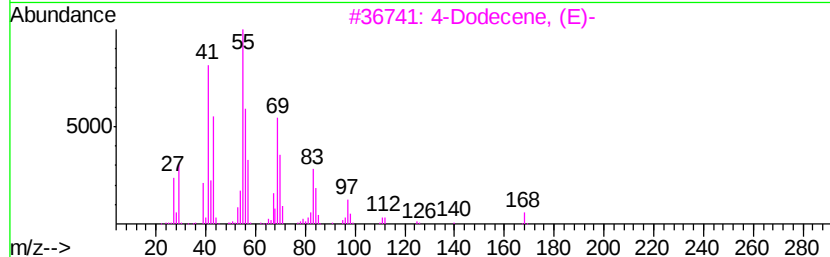
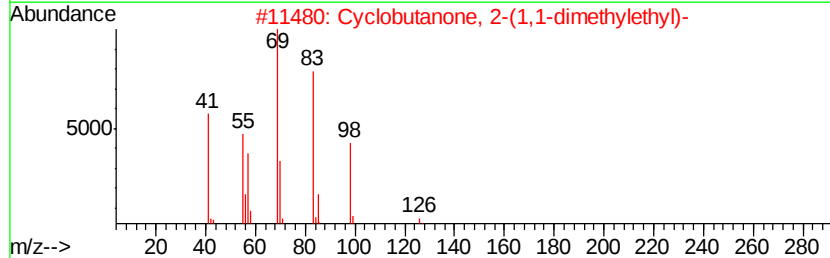
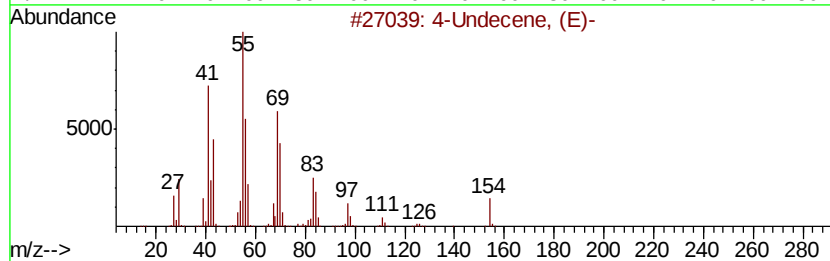
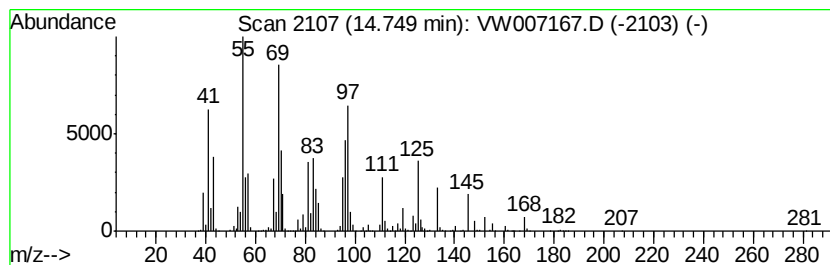
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Quant Title : VOC Analysis

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

Peak Number 70 (DEL) Alkane: Cyclic14.75 Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.75	4.21 ug/L	1421500	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4-Undecene, (E)-	154	C11H22	000693-62-9	43
2		Cyclobutanone, 2-(1,1-dimethylet...	126	C8H14O	004579-31-1	38
3		4-Dodecene, (E)-	168	C12H24	007206-15-7	38
4		2-Heptene, 4-methyl-, (E)-	112	C8H16	066225-17-0	27
5		1-Hexene, 3-methyl-	98	C7H14	003404-61-3	25



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9Y09

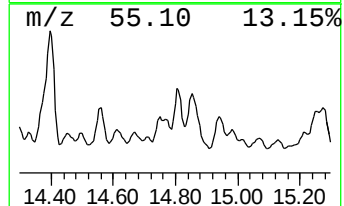
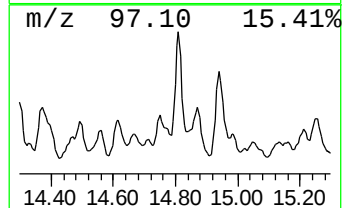
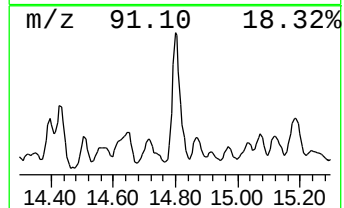
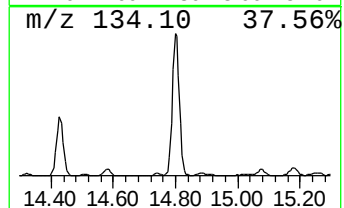
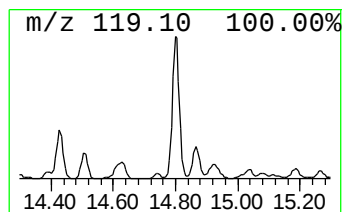
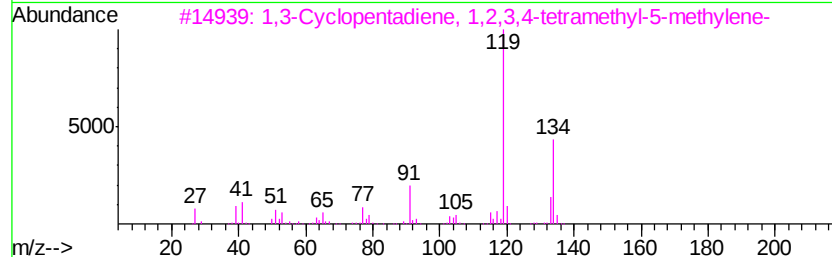
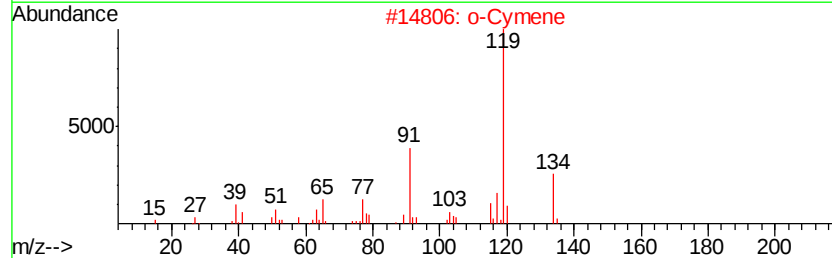
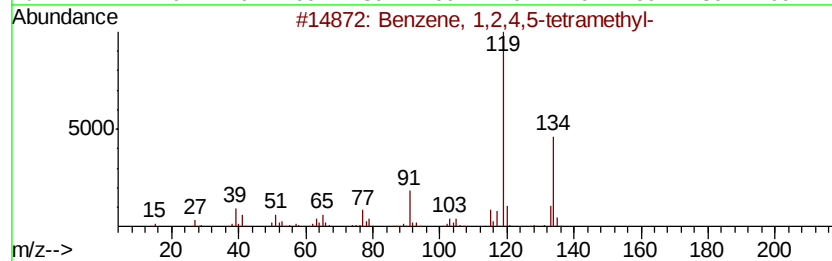
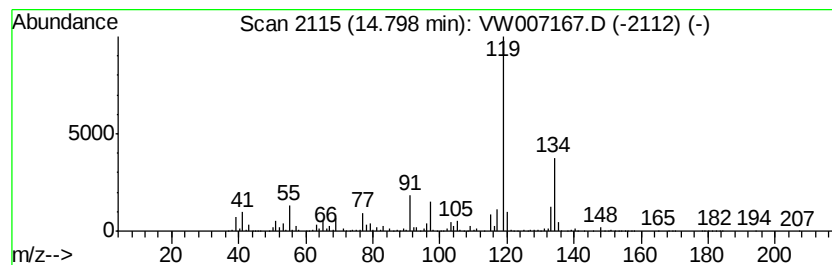
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Quant Title : VOC Analysis

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

Peak Number 71 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	14.65 ug/L	4942240	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
2		o-Cymene	134	C10H14	000527-84-4	93
3		1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	93
4		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	93
5		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	93



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9Y09

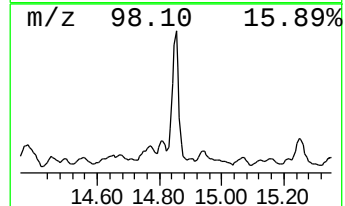
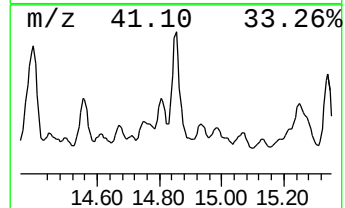
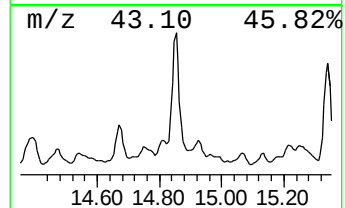
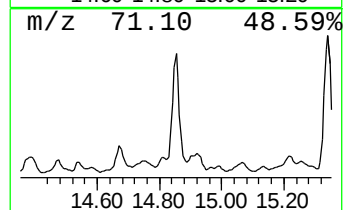
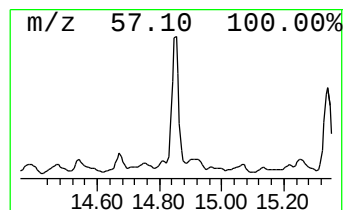
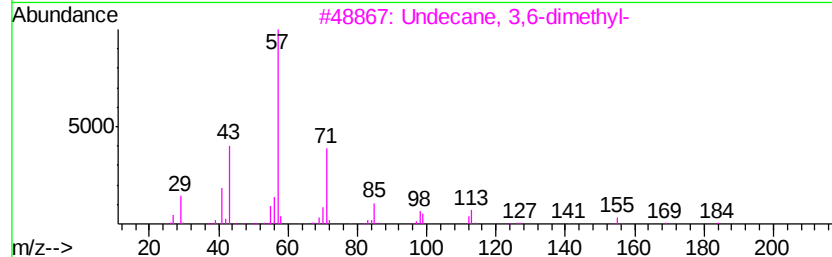
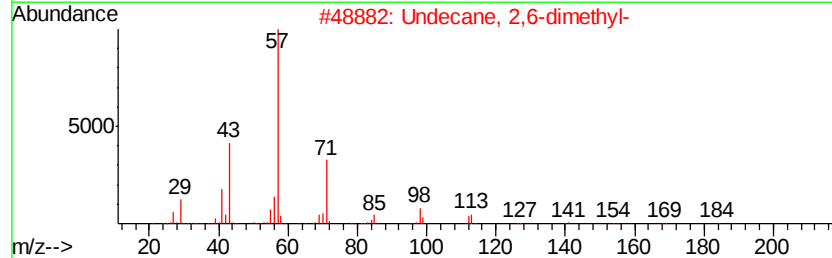
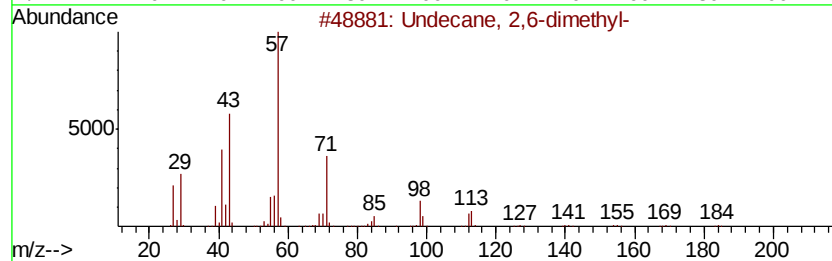
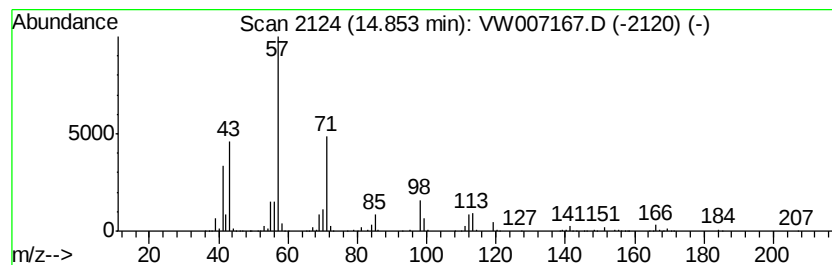
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Quant Title : VOC Analysis

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

Peak Number 72 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	18.61 ug/L	6276800	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	94
2		Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	90
3		Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	83
4		Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	70
5		Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	70



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

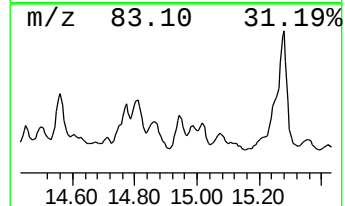
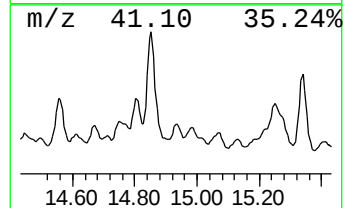
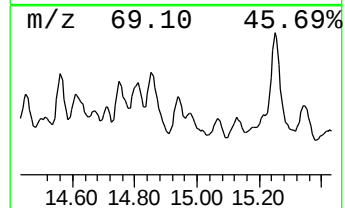
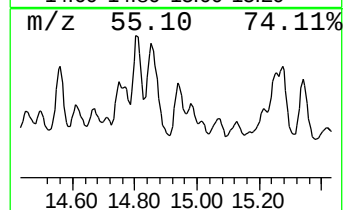
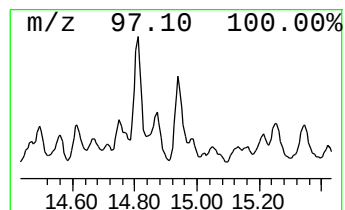
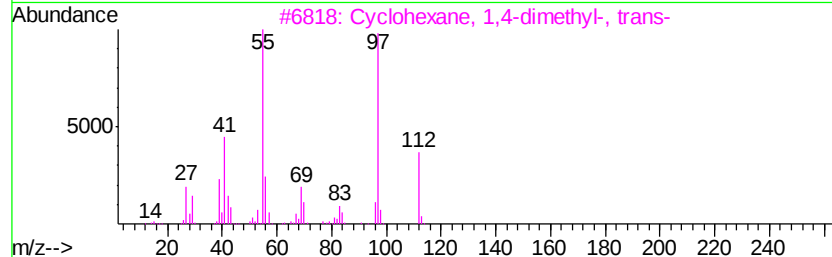
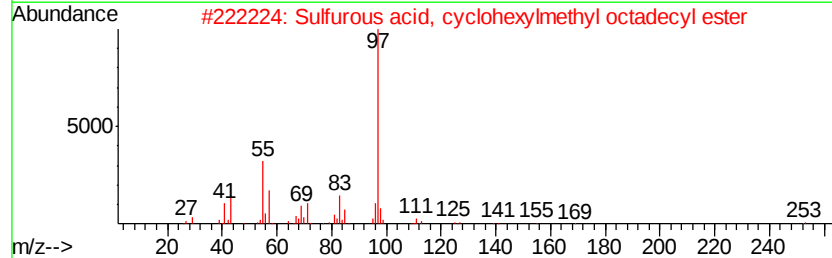
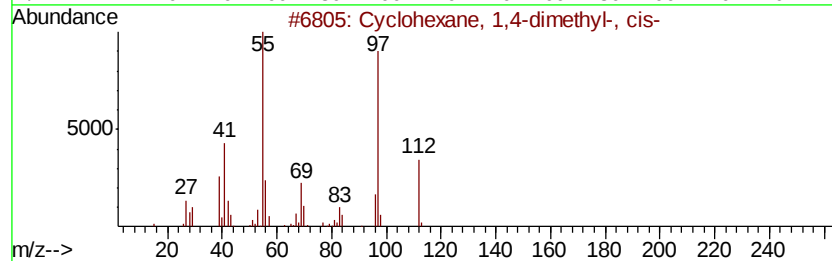
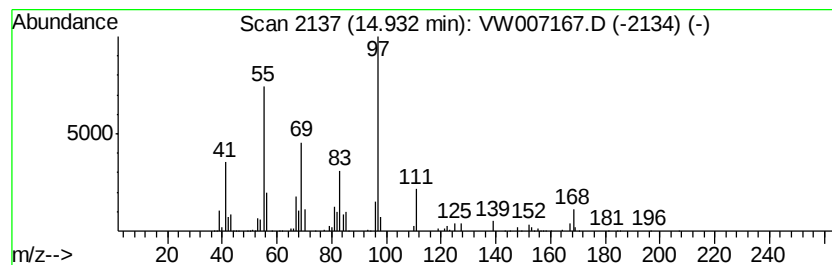
Instrument :
MSVOA_W
ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

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

Peak Number 73 (DEL) Alkane: Cyclic14.93 Concentration Rank 79

R.T.	EstConc	Area	Relative to ISTD	R.T.		
14.93	2.23 ug/L	750961	1,4-Dichlorobenzene-d4	13.56		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cvclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	53
2		Sulfurous acid, cyclohexylmethyl...	430	C25H50O3S	1000309-22-6	53
3		Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	53
4		Cvclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	53
5		Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9Y09

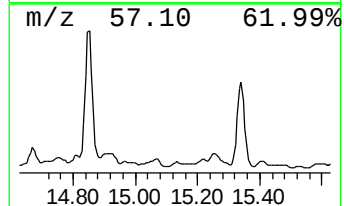
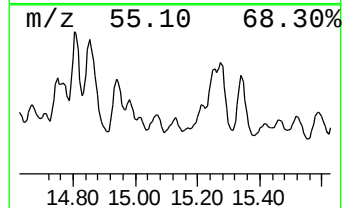
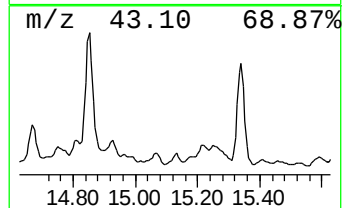
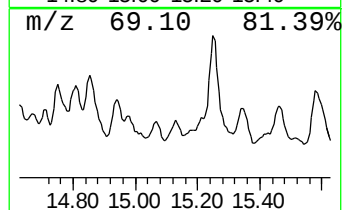
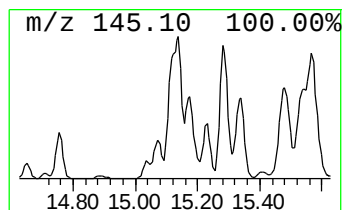
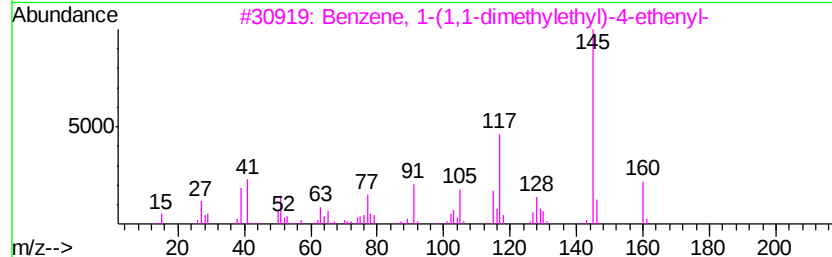
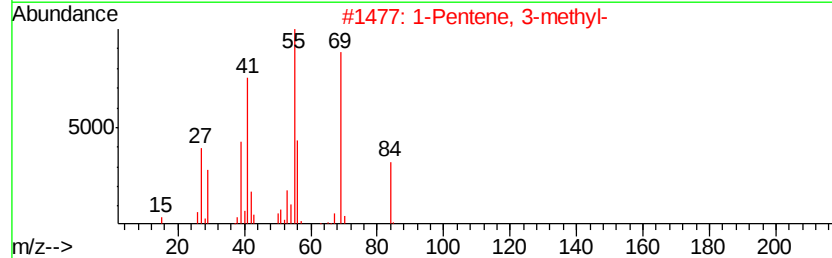
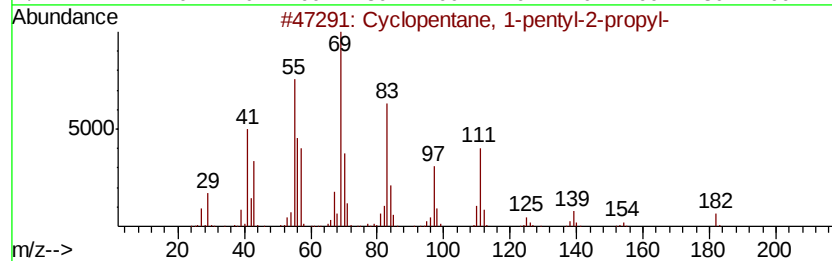
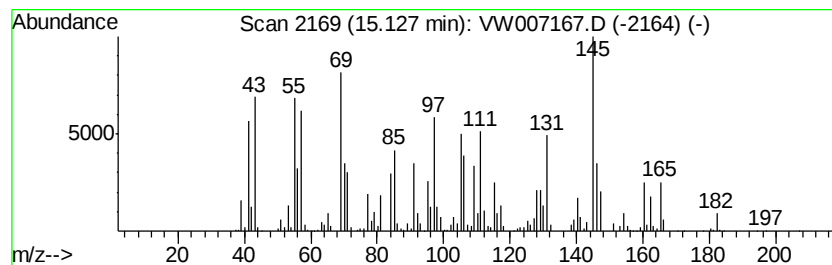
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Quant Title : VOC Analysis

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

Peak Number 74 (DEL) Alkane: Cyclic15.13 Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.13	3.78 ug/L	1275220	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1-pentyl-2-propyl-	182	C13H26	062199-51-3	35
2		1-Pentene, 3-methyl-	84	C6H12	000760-20-3	15
3		Benzene, 1-(1,1-dimethylethyl)-4...	160	C12H16	001746-23-2	15
4		1H-Indene, 2,3-dihydro-1,1,6-tri...	160	C12H16	014276-95-0	15
5		Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	15



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9Y09

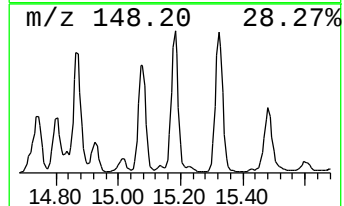
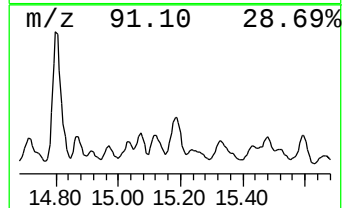
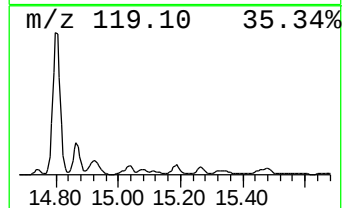
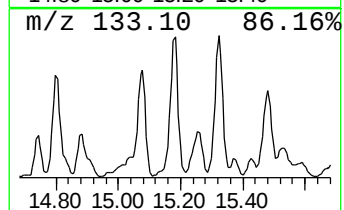
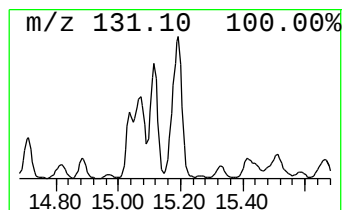
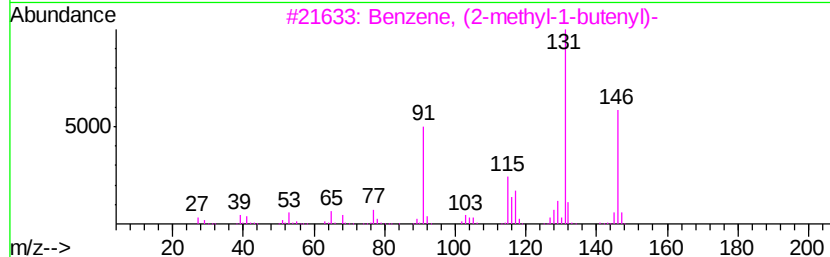
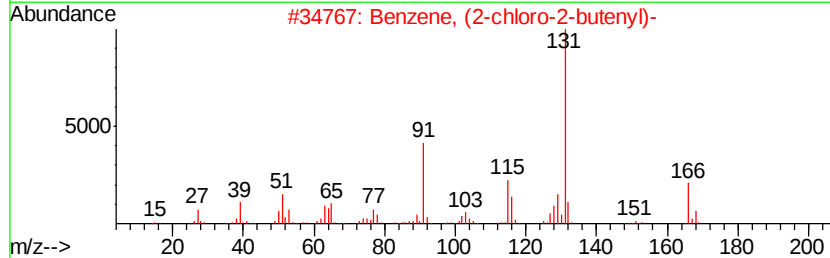
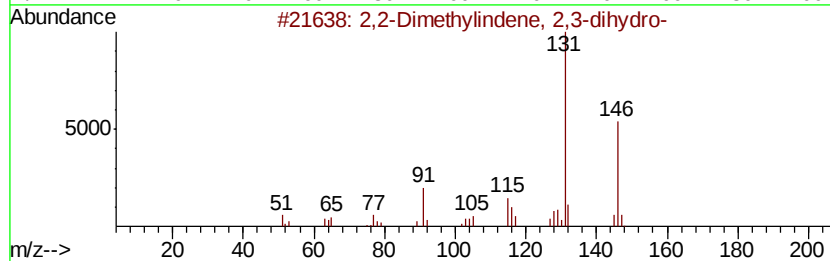
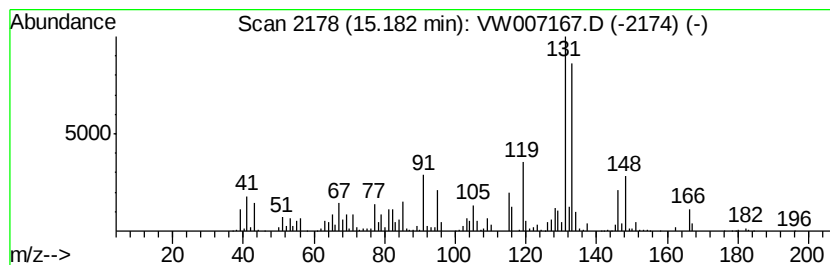
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Quant Title : VOC Analysis

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

Peak Number 75 2,2-Dimethylindene, 2,3-dih... Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.18	6.39 ug/L	2154190	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	84
2		Benzene, (2-chloro-2-butenyl)-	166	C10H11Cl	054411-12-0	83
3		Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	83
4		Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	83
5		Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	56



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

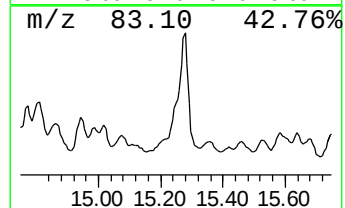
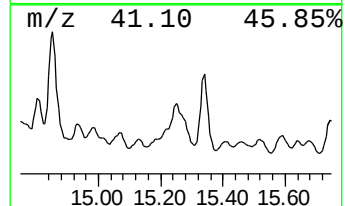
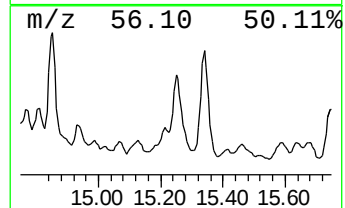
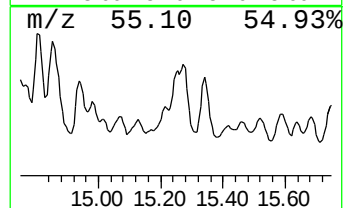
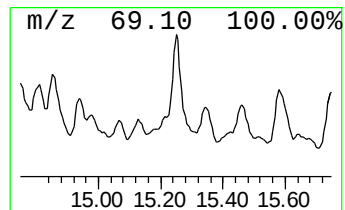
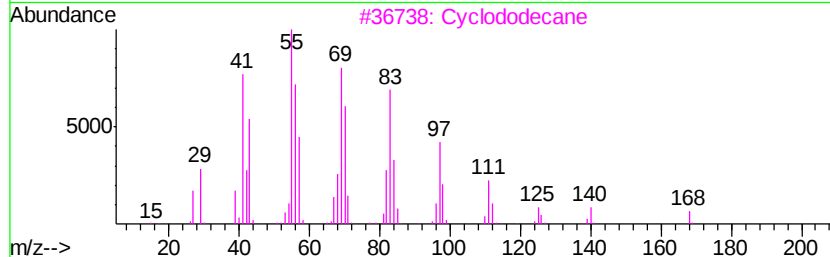
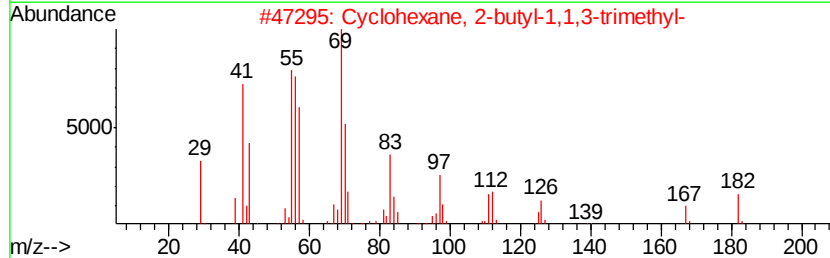
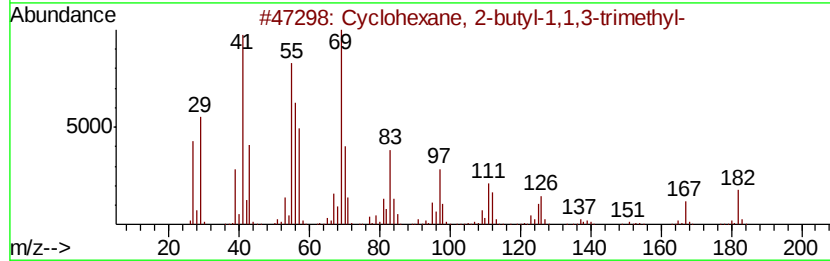
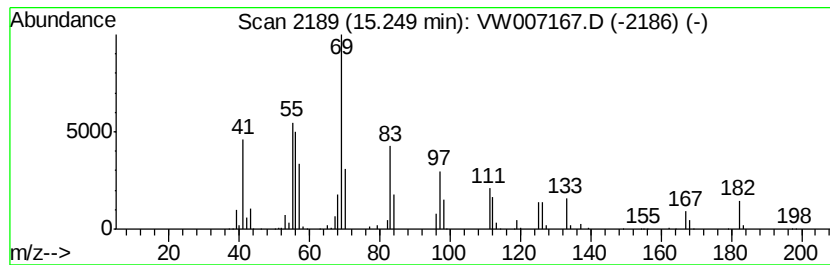
Instrument :
MSVOA_W
ClientSampleId :
F9Y09

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

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

Peak Number 76 (DEL) Alkane: Cyclic15.25 Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.25	12.78 ug/L	4312210	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclohexane, 2-butyl-1,1,3-trime...	182 C13H26	054676-39-0 95
2		Cyclohexane, 2-butyl-1,1,3-trime...	182 C13H26	054676-39-0 81
3		Cyclododecane	168 C12H24	000294-62-2 60
4		Cyclododecane	168 C12H24	000294-62-2 60
5		Cyclopentane, 1-butyl-2-propyl-	168 C12H24	062199-50-2 58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9Y09

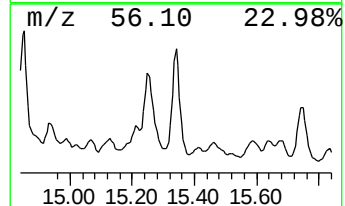
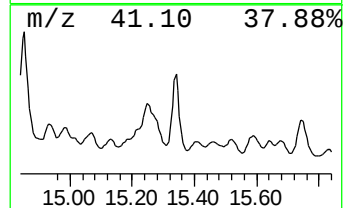
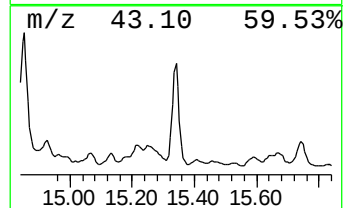
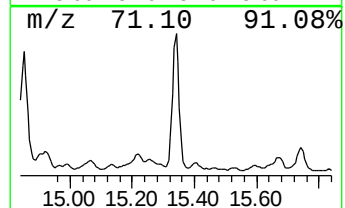
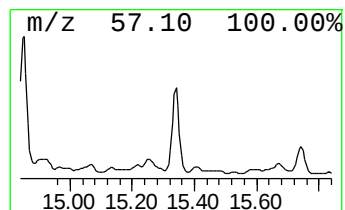
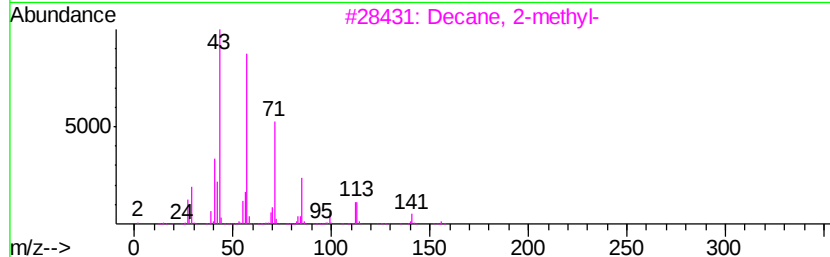
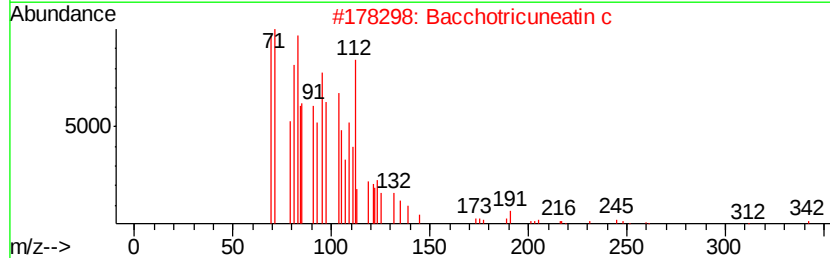
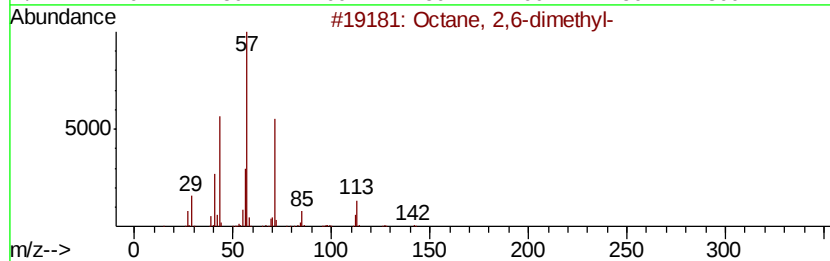
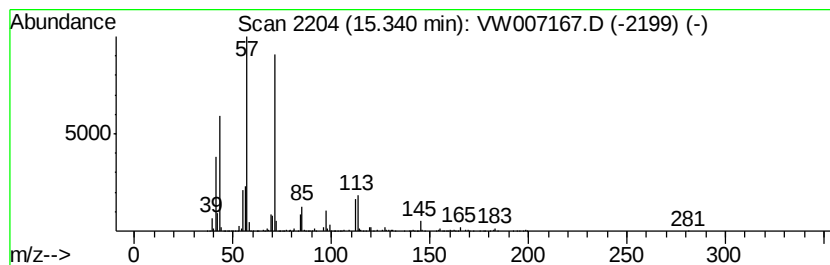
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Quant Title : VOC Analysis

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

Peak Number 77 (DEL) Alkane: Straight-Chai... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	13.07 ug/L	4410250	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	86
2		Bacchotricuneatin c	342	C20H22O5	066563-30-2	74
3		Decane, 2-methyl-	156	C11H24	006975-98-0	64
4		Sulfurous acid, butyl octyl ester	250	C12H26O3S	1000309-17-5	64
5		Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9Y09

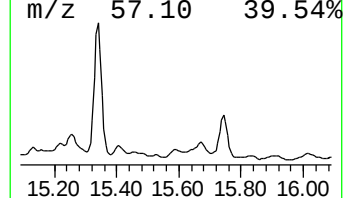
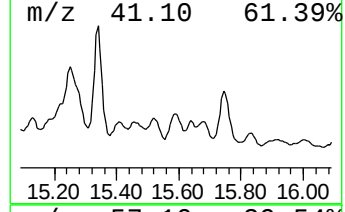
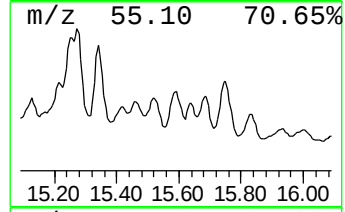
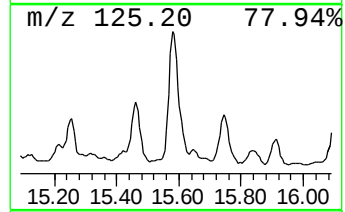
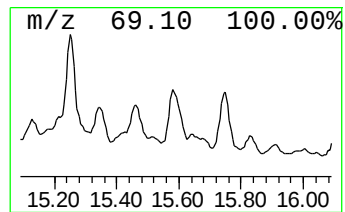
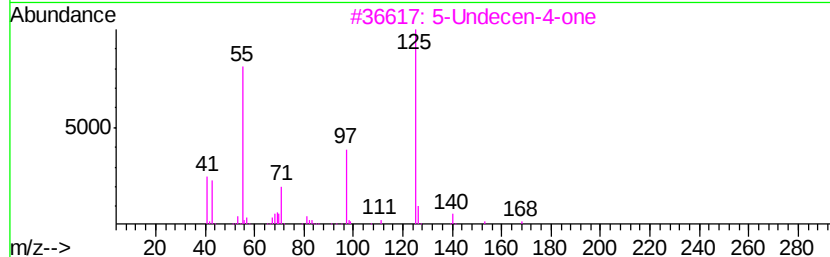
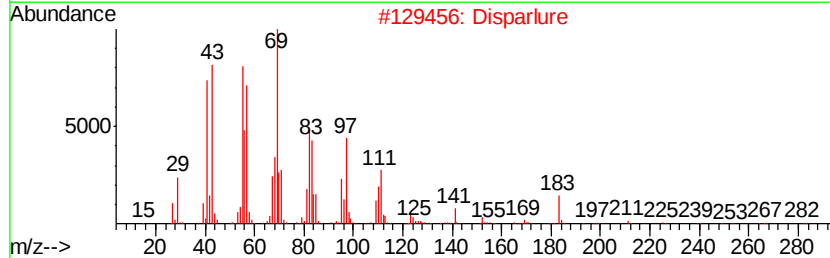
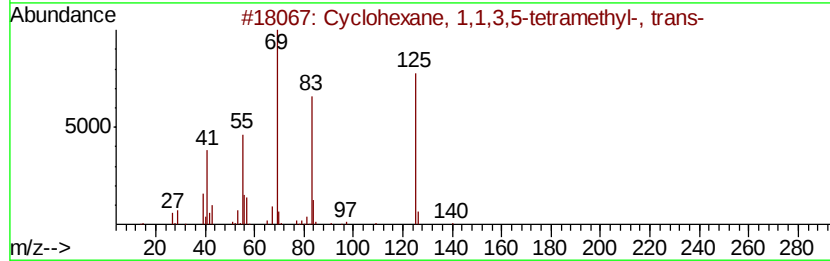
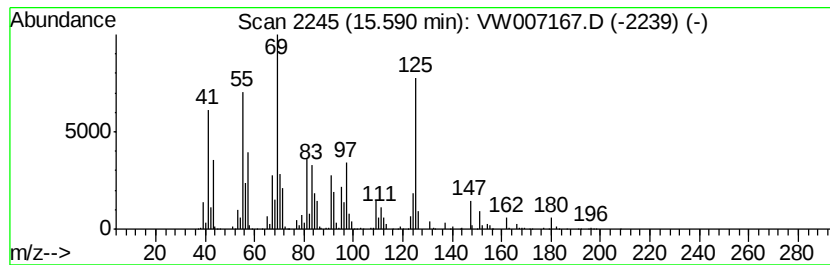
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Quant Title : VOC Analysis

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

Peak Number 78 (DEL) Alkane: Cyclic15.59 Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.59	4.11 ug/L	1387590	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	50
2		Disparlure	282	C19H38O	029804-22-6	43
3		5-Undecen-4-one	168	C11H20O	056312-55-1	35
4		2(1H)-Pyridinethione, 1-methyl-	125	C6H7NS	002044-27-1	30
5		Dipropyl propylphosphonate	208	C9H21O3P	001789-95-3	27



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9Y09

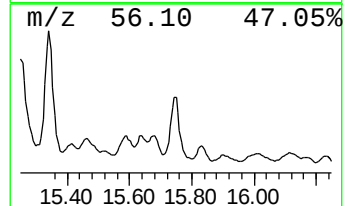
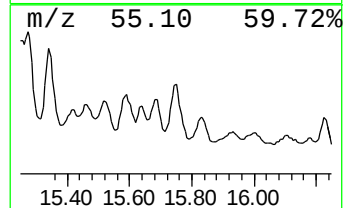
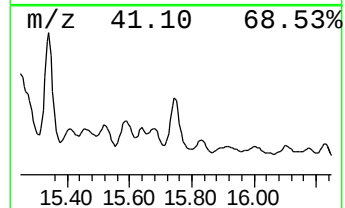
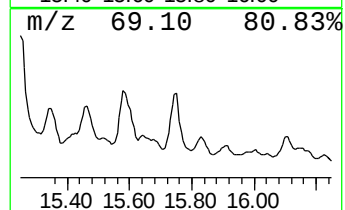
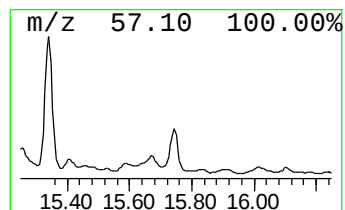
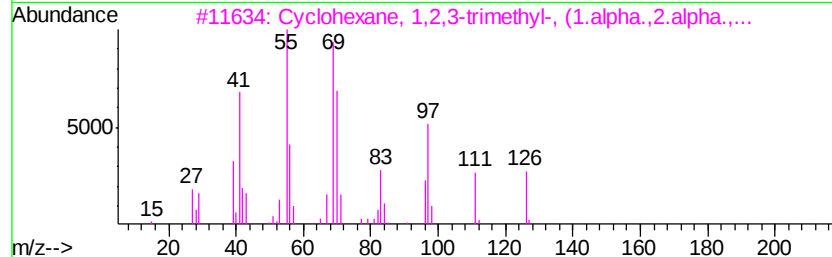
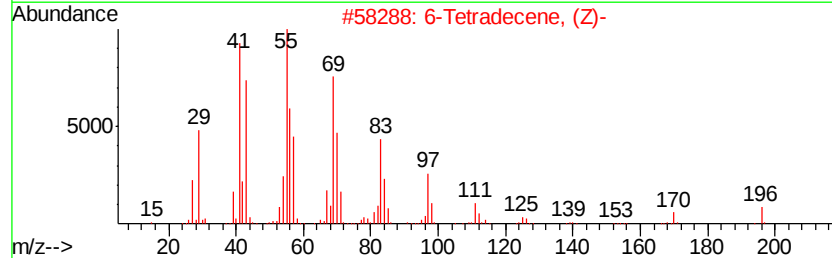
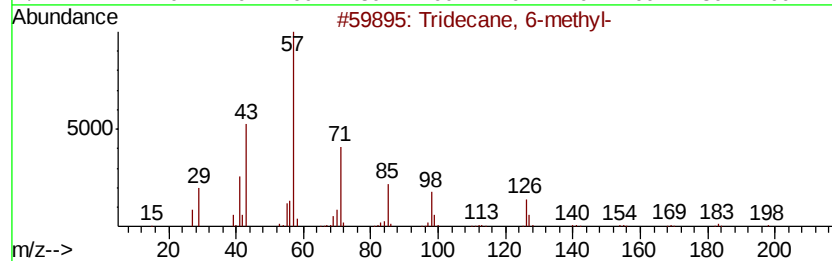
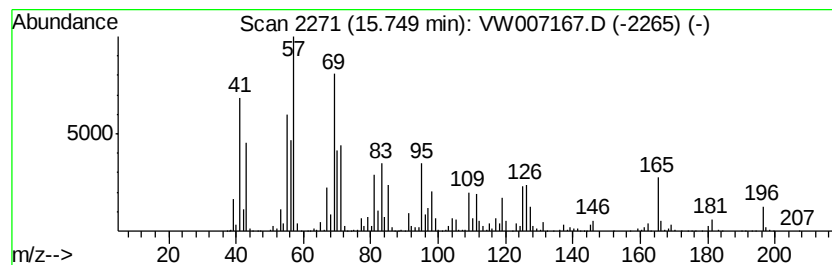
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Quant Title : VOC Analysis

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

Peak Number 79 (DEL) Alkane: Straight-Chai... Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.75	7.45 ug/L	2511800	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane, 6-methyl-	198	C14H30	013287-21-3	38
2		6-Tetradecene, (Z)-	196	C14H28	041446-61-1	30
3		Cyclohexane, 1,2,3-trimethyl-, (...)	126	C9H18	007667-55-2	30
4		Cyclohexane, 1,2-diethyl-1-methyl-	154	C11H22	061141-79-5	27
5		Cyclohexanone, 3,5-dimethyl-	126	C8H14O	002320-30-1	25



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007167.D
Acq On : 03 Dec 2018 18:04
Operator : SY/AP
Sample : J6171-05
Misc : 6.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9Y09

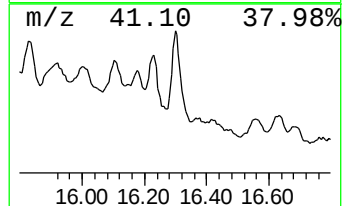
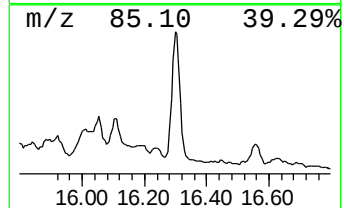
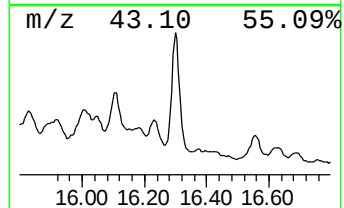
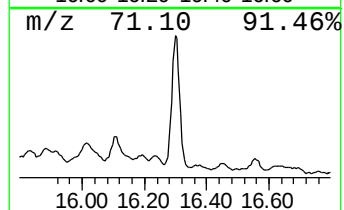
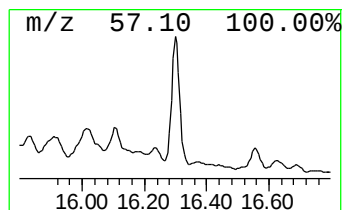
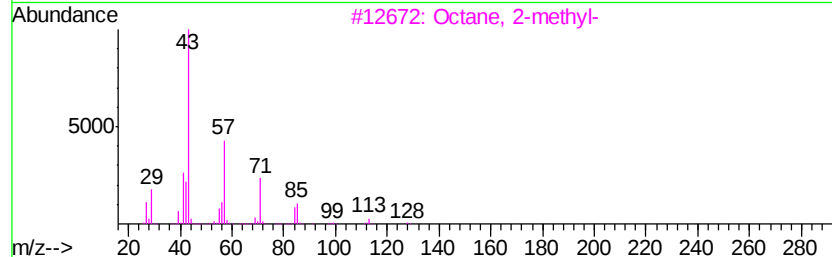
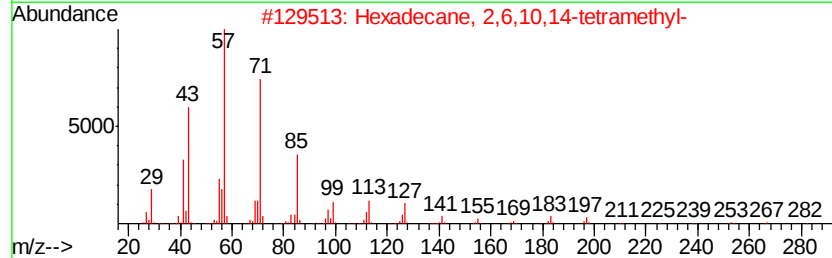
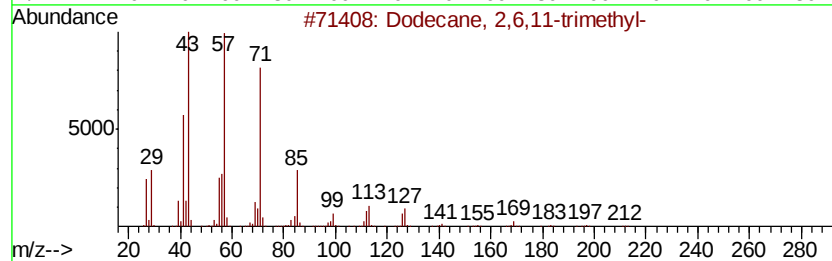
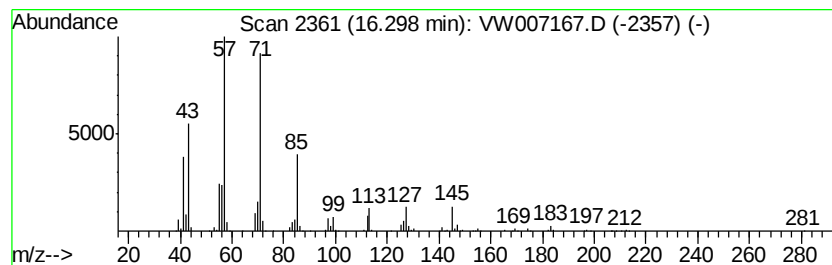
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Quant Title : VOC Analysis

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

Peak Number 80 (DEL) Alkane: Straight-Chai... Concentration Rank 70

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.30	3.24 ug/L	1092320	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	90
2			Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	86
3			Octane, 2-methyl-	128	C9H20	003221-61-2	81
4			Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	72
5			Decane, 5-propyl-	184	C13H28	017312-62-8	68



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120318\
 Data File : VW007167.D
 Acq On : 03 Dec 2018 18:04
 Operator : SY/AP
 Sample : J6171-05
 Misc : 6.57G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 F9Y09

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.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...	3.03	4.6	ug/L	5315320	1	8.85	28620000	25.0	
(DEL) Alkane: Str...	4.90	3.2	ug/L	3643980	1	8.85	28620000	25.0	
(DEL) Alkane: Str...	5.45	14.6	ug/L	16722300	1	8.85	28620000	25.0	
(DEL) Alkane: Str...	6.88	2.6	ug/L	2942550	1	8.85	28620000	25.0	
(DEL) Alkane: Str...	8.04	7.7	ug/L	8850330	1	8.85	28620000	25.0	
(DEL) Alkane: Cyc...	8.23	8.5	ug/L	9702250	1	8.85	28620000	25.0	
(DEL) Alkane: Str...	8.45	21.8	ug/L	24948800	1	8.85	28620000	25.0	
(DEL) Alkane: Str...	8.52	17.4	ug/L	19865200	1	8.85	28620000	25.0	
(DEL) Alkane: Cyc...	8.59	25.0	ug/L	28620000	1	8.85	28620000	25.0	
(DEL) Alkane: Cyc...	9.62	15.2	ug/L	17339700	1	8.85	28620000	25.0	
(DEL) Alkane: Cyc...	9.76	16.9	ug/L	19365600	1	8.85	28620000	25.0	
(DEL) Alkane: Str...	9.91	2.9	ug/L	3277620	1	8.85	28620000	25.0	
Pentanoic acid, 3...	9.95	2.3	ug/L	2626040	1	8.85	28620000	25.0	
(DEL) Alkane: Cyc...	10.09	6.4	ug/L	7354190	1	8.85	28620000	25.0	
(DEL) Alkane: Str...	10.13	2.4	ug/L	2714620	1	8.85	28620000	25.0	
(DEL) Alkane: Cyc...	10.23	2.6	ug/L	2997920	1	8.85	28620000	25.0	
(DEL) Alkane: Cyc...	10.45	45.0	ug/L	4172730	2	11.63	2316340	25.0	
(DEL) Alkane: Cyc...	10.51	182.2	ug/L	16878500	2	11.63	2316340	25.0	
(DEL) Alkane: Cyc...	10.67	176.4	ug/L	16343900	2	11.63	2316340	25.0	
(DEL) Alkane: Cyc...	10.77	86.0	ug/L	7971130	2	11.63	2316340	25.0	
(DEL) Alkane: Cyc...	10.81	22.3	ug/L	2065910	2	11.63	2316340	25.0	
(DEL) Alkane: Str...	10.85	34.8	ug/L	3224460	2	11.63	2316340	25.0	
(DEL) Alkane: Str...	11.05	85.8	ug/L	7950290	2	11.63	2316340	25.0	
(DEL) Alkane: Cyc...	11.12	16.4	ug/L	1520750	2	11.63	2316340	25.0	
(DEL) Alkane: Cyc...	11.19	228.5	ug/L	21172500	2	11.63	2316340	25.0	
(DEL) Alkane: Cyc...	11.24	273.1	ug/L	25301000	2	11.63	2316340	25.0	
(DEL) Alkane: Cyc...	11.29	39.8	ug/L	3686000	2	11.63	2316340	25.0	
(DEL) Alkane: Cyc...	11.34	132.5	ug/L	12279100	2	11.63	2316340	25.0	
(DEL) Alkane: Str...	11.38	25.6	ug/L	2372880	2	11.63	2316340	25.0	
(DEL) Alkane: Cyc...	11.44	107.3	ug/L	9937100	2	11.63	2316340	25.0	
(DEL) Alkane: Str...	11.51	23.7	ug/L	2199710	2	11.63	2316340	25.0	
(DEL) Alkane: Cyc...	11.57	18.8	ug/L	1744320	2	11.63	2316340	25.0	
Pentalene, octahy...	11.73	29.3	ug/L	2714430	2	11.63	2316340	25.0	
(DEL) Alkane: Cyc...	11.77	40.3	ug/L	3730390	2	11.63	2316340	25.0	
(DEL) Alkane: Cyc...	11.81	61.6	ug/L	5707350	2	11.63	2316340	25.0	
(DEL) Alkane: Cyc...	11.88	99.3	ug/L	9203490	2	11.63	2316340	25.0	
(DEL) Alkane: Cyc...	11.92	81.1	ug/L	7515200	2	11.63	2316340	25.0	
(DEL) Alkane: Cyc...	11.98	40.9	ug/L	3793320	2	11.63	2316340	25.0	
Cyclohexanol, 4-(...	12.05	44.2	ug/L	4094740	2	11.63	2316340	25.0	
(DEL) Alkane: Cyc...	12.15	147.6	ug/L	13674000	2	11.63	2316340	25.0	
unknown-01	12.20	6.2	ug/L	573221	2	11.63	2316340	25.0	
(DEL) Alkane: Str...	12.26	117.6	ug/L	10891900	2	11.63	2316340	25.0	
1H-Indene, octahy...	12.35	151.2	ug/L	14008000	2	11.63	2316340	25.0	
(DEL) Alkane: Cyc...	12.63	7.2	ug/L	2424120	3	13.56	8432660	25.0	
(DEL) Alkane: Cyc...	12.76	5.8	ug/L	1945380	3	13.56	8432660	25.0	
(DEL) Alkane: Cyc...	12.79	36.4	ug/L	12292900	3	13.56	8432660	25.0	
unknown-02	12.87	16.5	ug/L	5554810	3	13.56	8432660	25.0	
(DEL) Alkane: Cyc...	12.94	45.8	ug/L	15438300	3	13.56	8432660	25.0	
(DEL) Alkane: Cyc...	13.00	11.6	ug/L	3900230	3	13.56	8432660	25.0	

(DEL) Alkane: Cyc...	13.08	13.9 ug/L	4691720	3	13.56	8432660	25.0
Sulfurous acid, c...	13.13	5.2 ug/L	1750600	3	13.56	8432660	25.0
(DEL) Alkane: Str...	13.18	21.7 ug/L	7318350	3	13.56	8432660	25.0
unknown-03	13.27	3.5 ug/L	1177230	3	13.56	8432660	25.0
(DEL) Alkane: Str...	13.30	2.6 ug/L	884385	3	13.56	8432660	25.0
(DEL) Alkane: Str...	13.35	4.6 ug/L	1548310	3	13.56	8432660	25.0
unknown-04	13.38	5.3 ug/L	1790990	3	13.56	8432660	25.0
(DEL) Alkane: Cyc...	13.46	25.0 ug/L	8432660	3	13.56	8432660	25.0
(DEL) Alkane: Str...	13.71	14.1 ug/L	4747380	3	13.56	8432660	25.0
(DEL) Alkane: Cyc...	13.93	8.7 ug/L	2931940	3	13.56	8432660	25.0
(DEL) Alkane: Cyc...	13.99	8.4 ug/L	2820510	3	13.56	8432660	25.0
(DEL) Alkane: Str...	14.02	10.2 ug/L	3430610	3	13.56	8432660	25.0
o-Cymene	14.10	6.8 ug/L	2282380	3	13.56	8432660	25.0
(DEL) Alkane: Cyc...	14.15	5.3 ug/L	1788470	3	13.56	8432660	25.0
3-Phenylbut-1-ene	14.21	5.8 ug/L	1951120	3	13.56	8432660	25.0
Cyclohexane, 1,3-...	14.27	5.4 ug/L	1807510	3	13.56	8432660	25.0
Cyclohexene, 1-pe...	14.33	2.3 ug/L	774613	3	13.56	8432660	25.0
(DEL) Alkane: Cyc...	14.40	21.6 ug/L	7296760	3	13.56	8432660	25.0
1-Methyldecahydro...	14.56	10.8 ug/L	3648010	3	13.56	8432660	25.0
unknown-05	14.62	1.6 ug/L	540493	3	13.56	8432660	25.0
(DEL) Alkane: Cyc...	14.75	4.2 ug/L	1421500	3	13.56	8432660	25.0
Benzene, 1,2,4,5-...	14.80	14.7 ug/L	4942240	3	13.56	8432660	25.0
(DEL) Alkane: Str...	14.85	18.6 ug/L	6276800	3	13.56	8432660	25.0
(DEL) Alkane: Cyc...	14.93	2.2 ug/L	750961	3	13.56	8432660	25.0
(DEL) Alkane: Cyc...	15.13	3.8 ug/L	1275220	3	13.56	8432660	25.0
2,2-Dimethylinden...	15.18	6.4 ug/L	2154190	3	13.56	8432660	25.0
(DEL) Alkane: Cyc...	15.25	12.8 ug/L	4312210	3	13.56	8432660	25.0
(DEL) Alkane: Str...	15.34	13.1 ug/L	4410250	3	13.56	8432660	25.0
(DEL) Alkane: Cyc...	15.59	4.1 ug/L	1387590	3	13.56	8432660	25.0
(DEL) Alkane: Str...	15.75	7.5 ug/L	2511800	3	13.56	8432660	25.0
(DEL) Alkane: Str...	16.30	3.2 ug/L	1092320	3	13.56	8432660	25.0

Instrument :
MSVOA_W
ClientSampleId :
F9Y09