

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120318\
 Data File : VW007163.D
 Acq On : 03 Dec 2018 14:40
 Operator : SY/AP
 Sample : J6077-19
 Misc : 5.82G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 F9Y04

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	173	184	197	rBV	388549	831856	1.56%	0.111%
2	4.903	474	492	515	rBV	193029	802164	1.51%	0.107%
3	5.440	563	580	601	rBV	1559948	5385728	10.12%	0.718%
4	6.720	774	790	802	rBV	103695	339076	0.64%	0.045%
5	6.879	803	816	827	rVV	288728	892275	1.68%	0.119%
6	7.702	946	951	965	rVB	119501	309545	0.58%	0.041%
7	7.958	980	993	1000	rBV	4565295	11979964	22.50%	1.597%
8	8.037	1000	1006	1017	rVB	1610400	3914456	7.35%	0.522%
9	8.159	1017	1026	1029	rBV	158781	355104	0.67%	0.047%
10	8.220	1029	1036	1058	rVB2	1940320	5220226	9.81%	0.696%
11	8.439	1059	1072	1078	rBV2	5614029	14358994	26.97%	1.915%
12	8.512	1078	1084	1089	rVV	4631902	10012473	18.81%	1.335%
13	8.579	1089	1095	1110	rVB	7970680	19079217	35.84%	2.544%
14	8.842	1130	1138	1148	rVB	169021	335377	0.63%	0.045%
15	9.152	1181	1189	1201	rVB	133536	289457	0.54%	0.039%
16	9.348	1201	1221	1236	rBV2	16721362	53235219	100.00%	7.099%
17	9.518	1244	1249	1254	rVB	167095	271594	0.51%	0.036%
18	9.616	1254	1265	1274	rVB	5791688	12676856	23.81%	1.690%
19	9.756	1278	1288	1298	rVB	7221458	14896587	27.98%	1.986%
20	9.902	1306	1312	1316	rBV	1397835	2667689	5.01%	0.356%
21	9.945	1316	1319	1326	rVB	1322164	2273468	4.27%	0.303%
22	10.085	1330	1342	1346	rBV	2996177	6107247	11.47%	0.814%
23	10.134	1346	1350	1357	rVB	1422700	2585134	4.86%	0.345%
24	10.219	1357	1364	1366	rBV	1438565	2698190	5.07%	0.360%
25	10.329	1374	1382	1386	rBV	11696719	24871713	46.72%	3.316%
26	10.366	1386	1388	1395	rVB	5340517	7829021	14.71%	1.044%
27	10.451	1395	1402	1405	rBV	2186264	3948962	7.42%	0.527%
28	10.512	1405	1412	1420	rVB3	5878391	15943381	29.95%	2.126%
29	10.628	1420	1431	1434	rBV2	3628821	7824853	14.70%	1.043%
30	10.671	1434	1438	1446	rVB	8373529	15945979	29.95%	2.126%
31	10.768	1446	1454	1458	rBV3	3795888	8134298	15.28%	1.085%
32	10.811	1458	1461	1464	rVB2	718284	878226	1.65%	0.117%
33	10.853	1464	1468	1473	rVB	2001294	3208352	6.03%	0.428%
34	10.908	1473	1477	1478	rBV	691218	944213	1.77%	0.126%

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Integration Parameters: LSCINT.P

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

35	10.945	1478	1483	1489	rVB	6404525	11213108	21.06%	1.495%
36	11.000	1489	1492	1493	rBV	654776	748344	1.41%	0.100%
37	11.049	1494	1500	1508	rVB	2883057	7463282	14.02%	0.995%
38	11.189	1508	1523	1527	rBV	9340764	25331284	47.58%	3.378%
39	11.244	1527	1532	1537	rVB	12451488	23491405	44.13%	3.132%
40	11.292	1537	1540	1543	rBV	1502105	1716324	3.22%	0.229%
41	11.341	1543	1548	1553	rVB3	5672013	10051550	18.88%	1.340%
42	11.390	1553	1556	1560	rVB	1942448	2785875	5.23%	0.371%
43	11.445	1560	1565	1572	rVB	6475384	11657510	21.90%	1.554%
44	11.512	1572	1576	1580	rBV	1511928	2364567	4.44%	0.315%
45	11.567	1580	1585	1592	rBV3	1181393	2512025	4.72%	0.335%
46	11.670	1597	1602	1606	rBV	1706591	2942649	5.53%	0.392%
47	11.725	1606	1611	1615	rBV	2176514	3691391	6.93%	0.492%
48	11.774	1615	1619	1622	rBV	3048250	4610504	8.66%	0.615%
49	11.817	1622	1626	1631	rVB4	3408582	6299397	11.83%	0.840%
50	11.884	1631	1637	1640	rBV	6394230	11628980	21.84%	1.551%
51	11.920	1641	1643	1649	rVB2	5196377	8259969	15.52%	1.101%
52	11.981	1649	1653	1659	rBV3	2750151	5483759	10.30%	0.731%
53	12.048	1659	1664	1672	rVB3	1866079	5213464	9.79%	0.695%
54	12.146	1672	1680	1687	rBV3	7578550	19176996	36.02%	2.557%
55	12.201	1687	1689	1691	rBV2	762921	838070	1.57%	0.112%
56	12.268	1691	1700	1704	rVB	8868154	16248541	30.52%	2.167%
57	12.347	1704	1713	1715	rBV3	9920878	18860437	35.43%	2.515%
58	12.378	1716	1718	1729	rVB3	10153061	21303691	40.02%	2.841%
59	12.469	1729	1733	1738	rBV3	3433117	6668983	12.53%	0.889%
60	12.573	1748	1750	1754	rVB2	1166633	1429168	2.68%	0.191%
61	12.628	1754	1759	1764	rVB3	1854553	3332126	6.26%	0.444%
62	12.707	1764	1772	1776	rBV5	4427710	10540931	19.80%	1.406%
63	12.756	1776	1780	1781	rVV2	1652853	2318859	4.36%	0.309%
64	12.792	1781	1786	1793	rVB2	10212474	21736707	40.83%	2.898%
65	12.871	1793	1799	1803	rBV4	4031489	9031080	16.96%	1.204%
66	12.951	1803	1812	1818	rBV7	7302796	23052697	43.30%	3.074%
67	12.999	1818	1820	1825	rVB2	4278906	6224516	11.69%	0.830%
68	13.054	1825	1829	1830	rBV3	1090479	1319278	2.48%	0.176%
69	13.091	1831	1835	1839	rVB2	2914061	3975930	7.47%	0.530%
70	13.134	1839	1842	1846	rBV2	1364157	2414129	4.53%	0.322%
71	13.188	1846	1851	1861	rVB6	2648191	7056230	13.25%	0.941%

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72	13.274	1861	1865	1867	rBV2	1934151	2966623	5.57%	0.396%
73	13.304	1867	1870	1875	rBV3	1633325	2458681	4.62%	0.328%
74	13.359	1875	1879	1882	rBV2	2829276	4526376	8.50%	0.604%
75	13.463	1888	1896	1900	rBV3	7072933	15891909	29.85%	2.119%
76	13.713	1931	1937	1950	rVB6	3944876	10938917	20.55%	1.459%
77	13.835	1950	1957	1959	rBV5	1472518	3804522	7.15%	0.507%
78	13.889	1960	1966	1971	rBV2	10044493	19063167	35.81%	2.542%
79	13.932	1971	1973	1978	rVB4	2847888	3666740	6.89%	0.489%
80	13.993	1979	1983	1986	rBV3	2381309	3971906	7.46%	0.530%
81	14.109	1999	2002	2011	rVB2	4557468	7952609	14.94%	1.060%
82	14.213	2014	2019	2025	rVB5	3321697	6075246	11.41%	0.810%
83	14.280	2026	2030	2035	rBV3	2599049	4264022	8.01%	0.569%
84	14.328	2035	2038	2042	rVB3	1718648	2266487	4.26%	0.302%
85	14.402	2042	2050	2054	rBV3	9300975	18326486	34.43%	2.444%
86	14.505	2064	2067	2071	rVB3	1341103	1765394	3.32%	0.235%
87	14.560	2071	2076	2082	rBV4	5576504	10763419	20.22%	1.435%
88	14.615	2082	2085	2089	rBV3	1171554	1989343	3.74%	0.265%
89	14.749	2104	2107	2111	rBV3	1736638	3036779	5.70%	0.405%
90	14.804	2112	2116	2123	rVV2	10029691	18321150	34.42%	2.443%
91	14.871	2123	2127	2134	rVB5	3792769	6964267	13.08%	0.929%
92	14.938	2135	2138	2141	rBV3	1003522	1579917	2.97%	0.211%
93	15.115	2164	2167	2173	rVB2	1389043	2451155	4.60%	0.327%
94	15.188	2174	2179	2184	rVB2	1939247	3817016	7.17%	0.509%
95	15.334	2199	2203	2208	rVB3	1401962	2302219	4.32%	0.307%
96	15.584	2240	2244	2250	rVB5	623903	1350957	2.54%	0.180%
97	15.749	2265	2271	2279	rBV5	844281	1939036	3.64%	0.259%
98	15.877	2288	2292	2301	rVB	511675	974527	1.83%	0.130%
99	16.450	2380	2386	2401	rVB	674501	1588845	2.98%	0.212%
100	16.651	2412	2419	2433	rVB	349931	885608	1.66%	0.118%

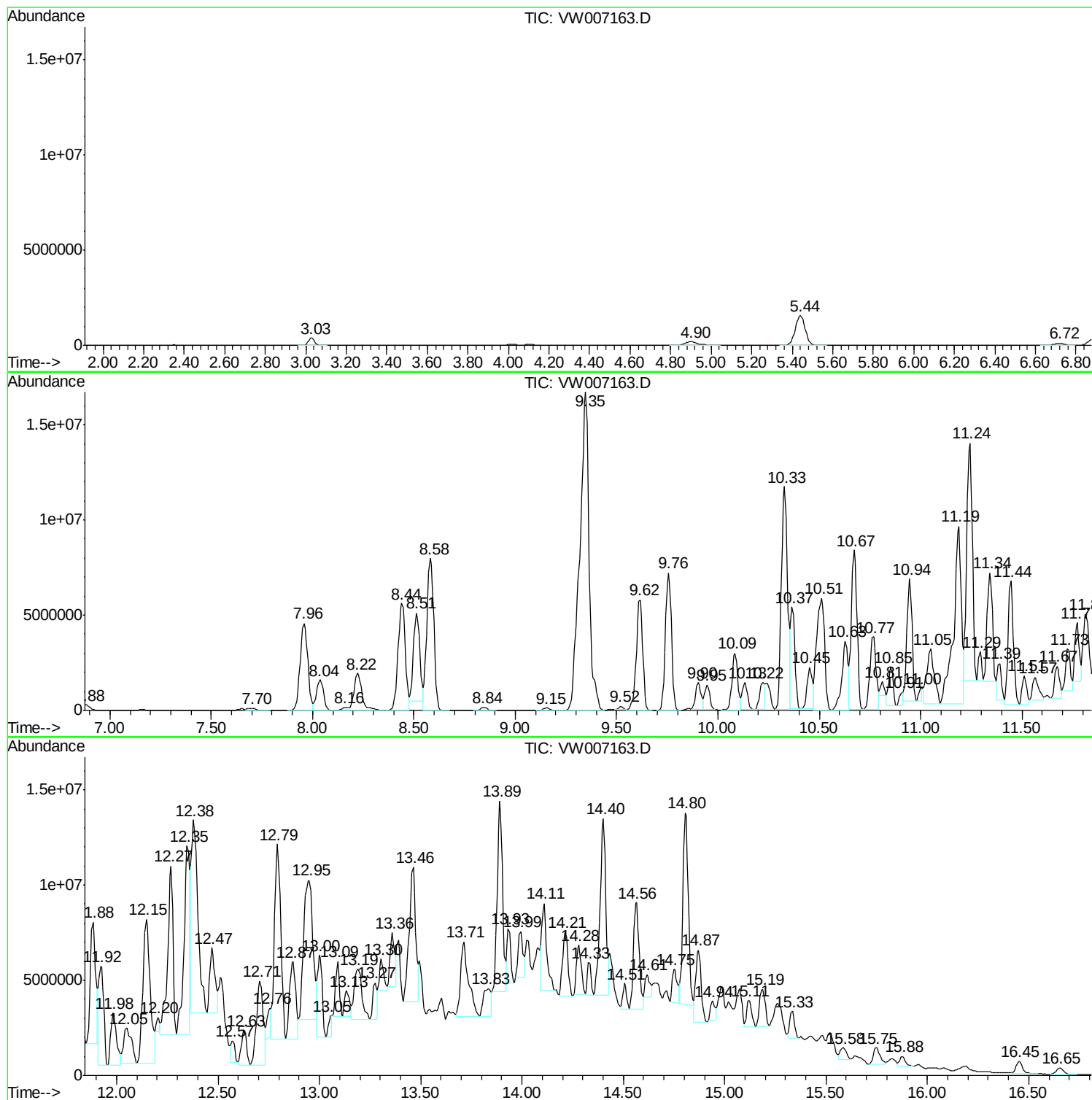
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Instrument :
MSVOA_W
ClientSampleId :
F9Y04

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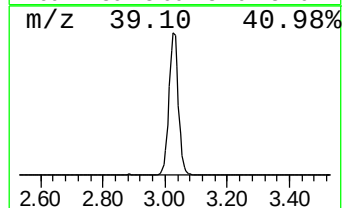
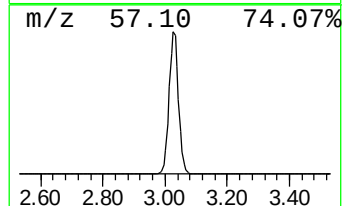
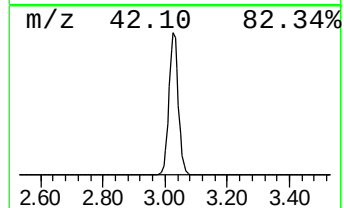
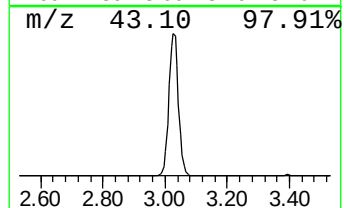
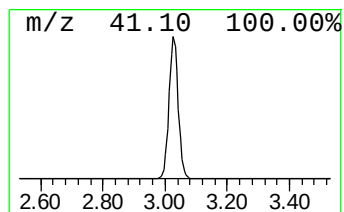
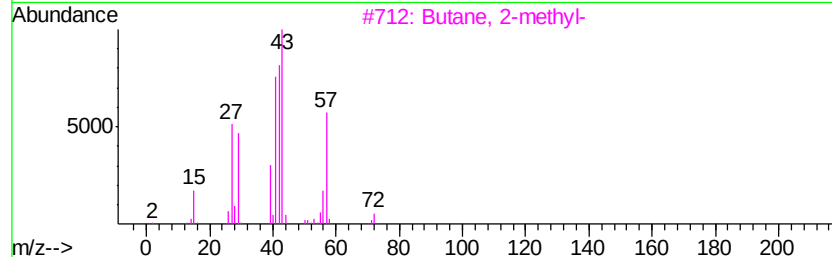
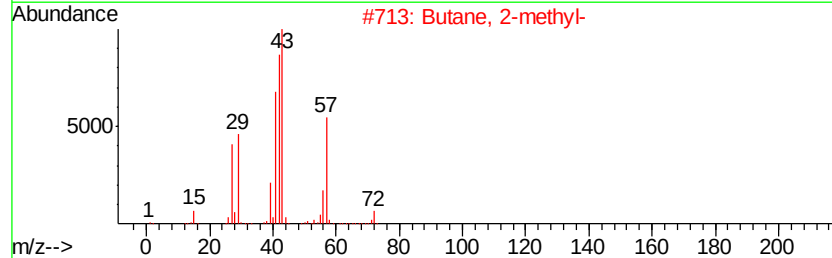
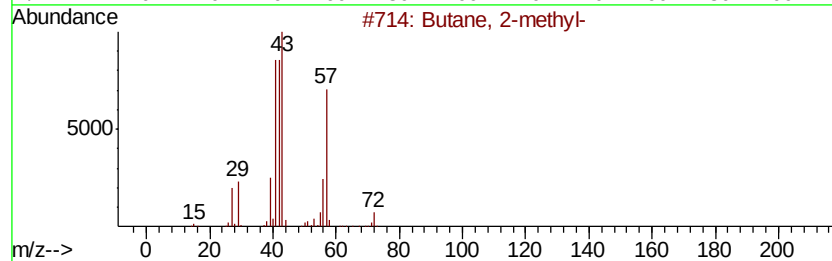
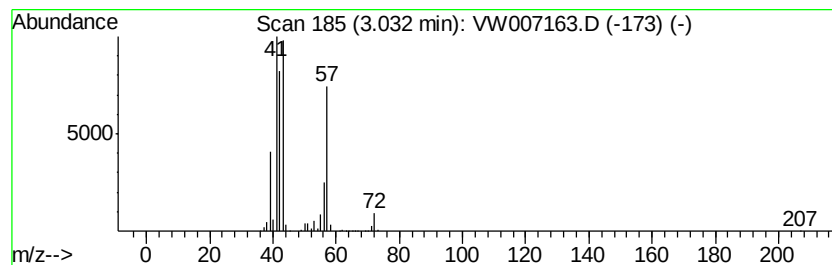
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

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

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.03	62.01 ug/L	831856	1,4-Difluorobenzene	8.84

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	58
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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ClientSampled :
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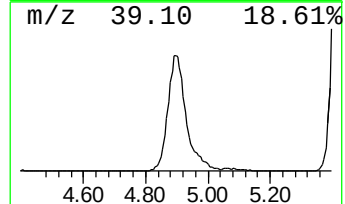
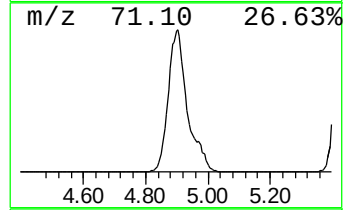
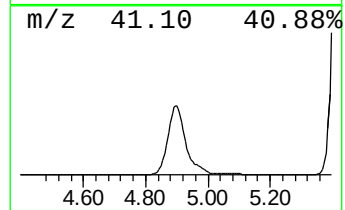
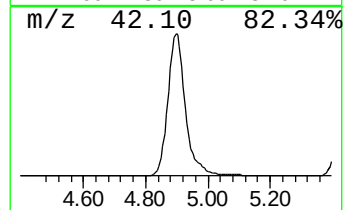
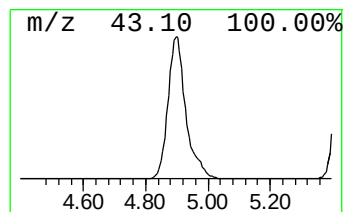
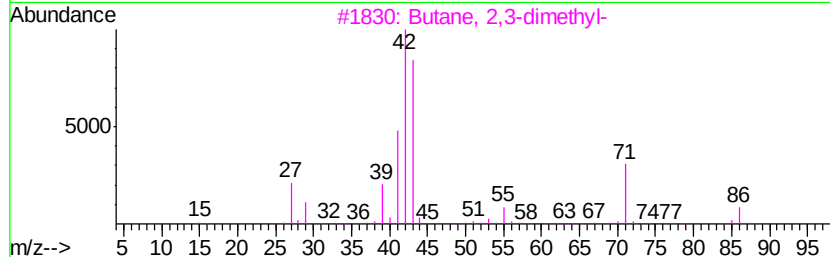
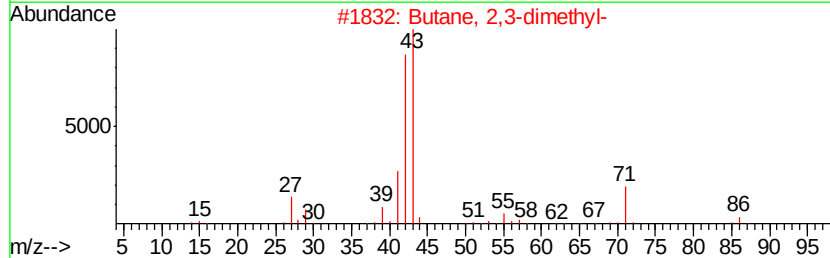
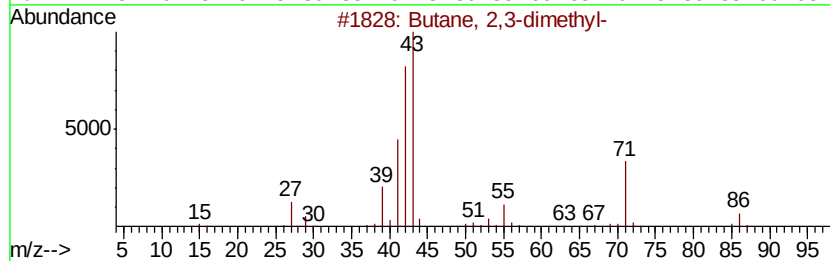
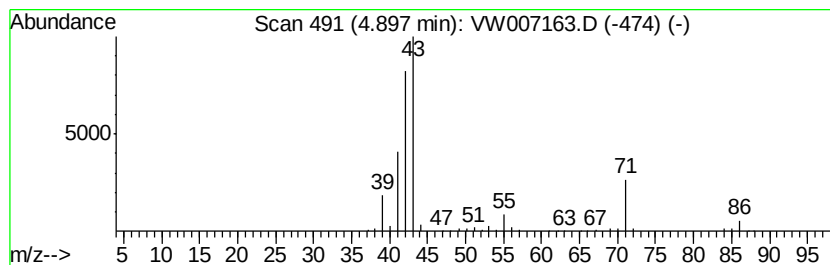
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

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

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.90	59.80 ug/L	802164	1,4-Difluorobenzene	8.84

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	86
3		Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	83
4		Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	80
5		Pentane, 2-methyl-	86	C6H14	000107-83-5	50



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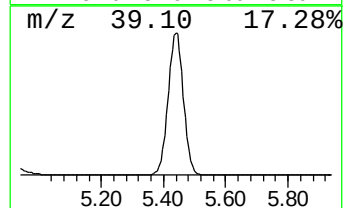
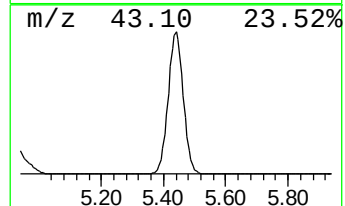
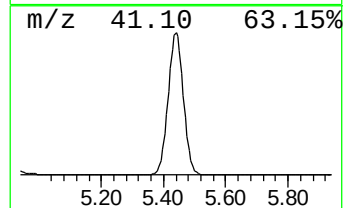
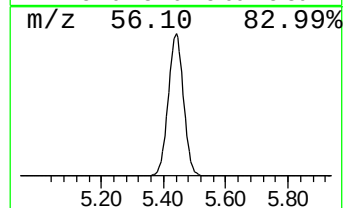
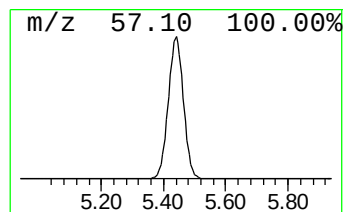
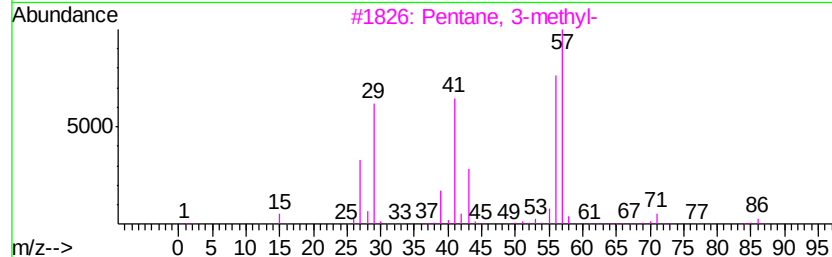
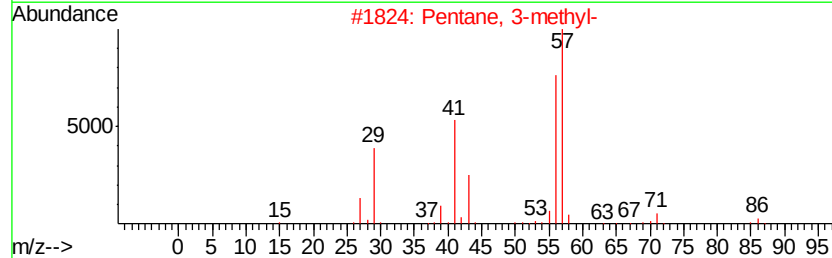
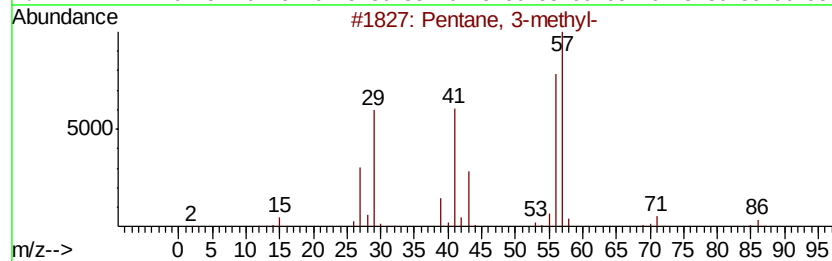
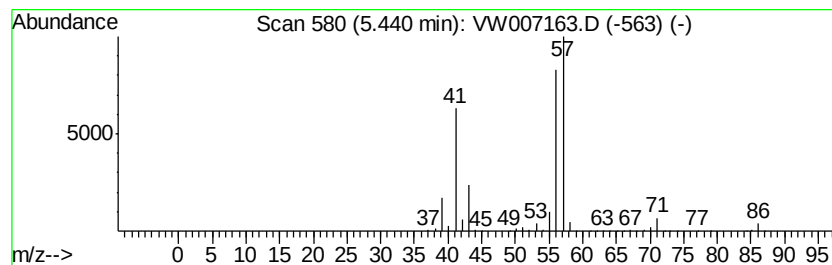
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

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

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.44	401.47 ug/L	5385730	1,4-Difluorobenzene	8.84

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	91
4		Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	83
5		Oxirane, (1-methylethyl)-	86	C5H10O	001438-14-8	45



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9Y04

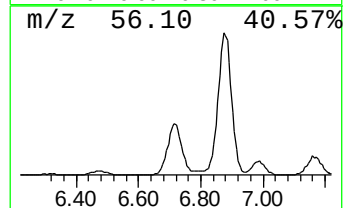
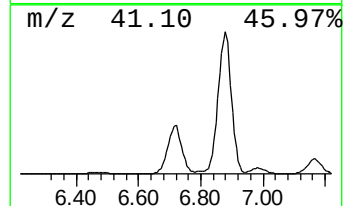
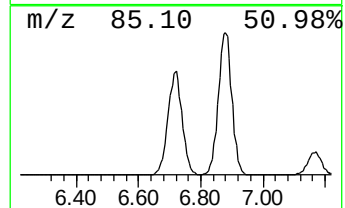
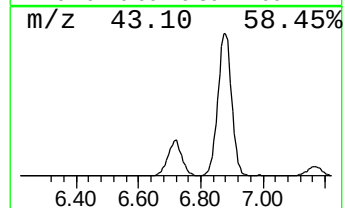
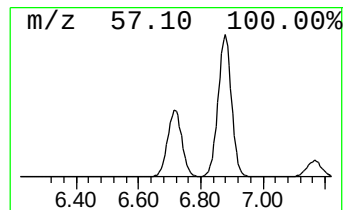
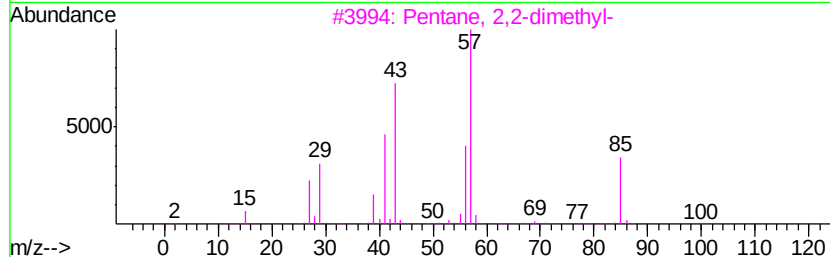
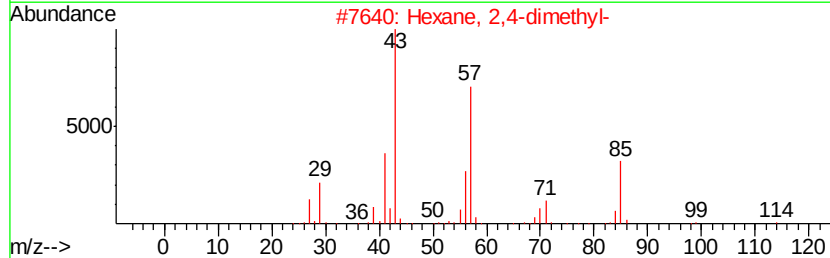
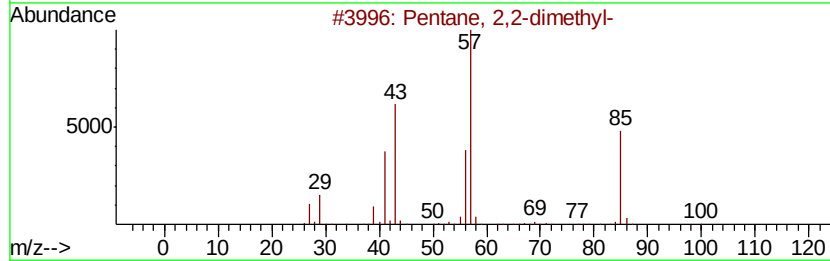
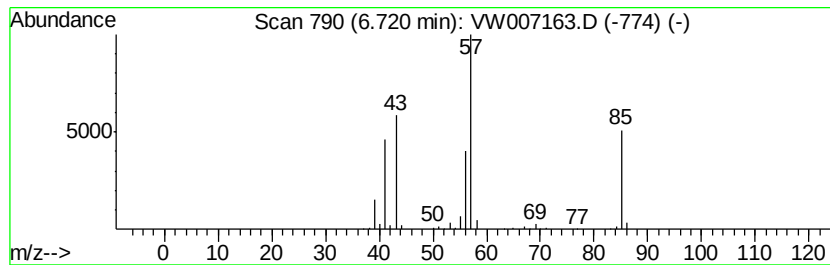
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Quant Title : VOC Analysis

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

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.72	25.28 ug/L	339076	1,4-Difluorobenzene	8.84

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

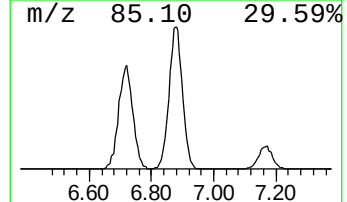
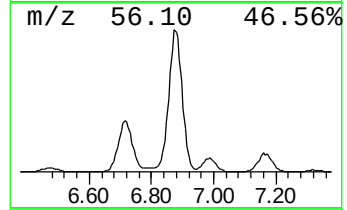
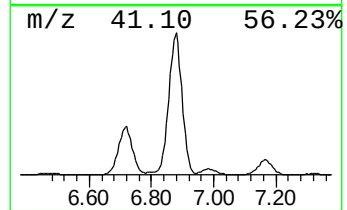
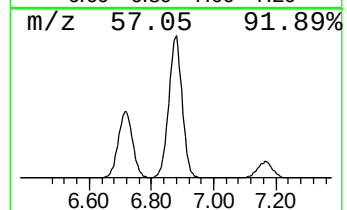
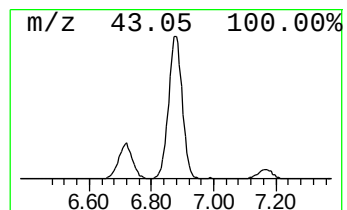
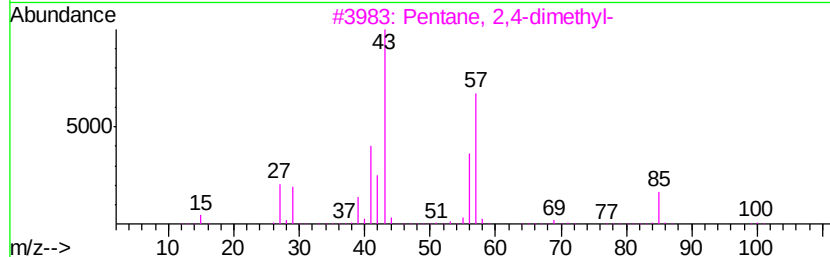
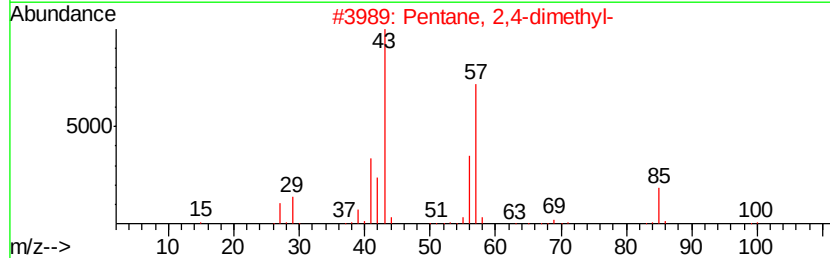
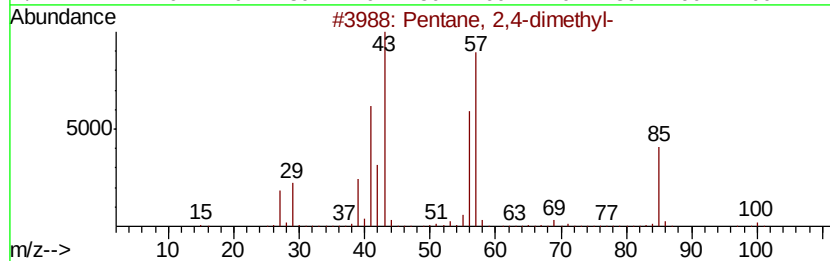
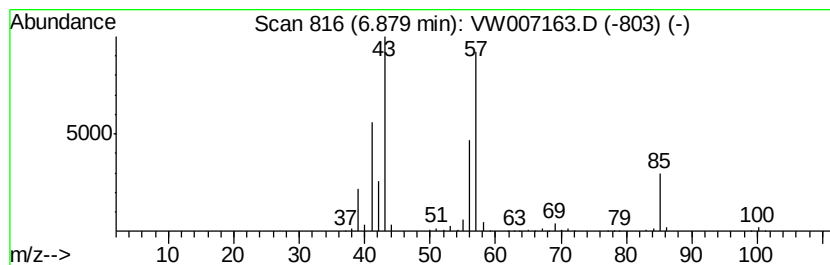
Instrument :
MSVOA_W
ClientSampleId :
F9Y04

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 5 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.	
6.88	66.51 ug/L	892275	1,4-Difluorobenzene	8.84	
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	90
4	Oxalic acid, butyl isohexyl ester	230	C12H22O4	1000309-32-7	64
5	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9Y04

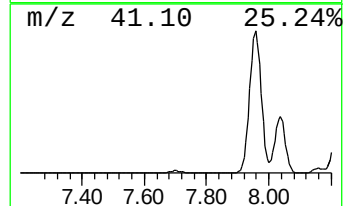
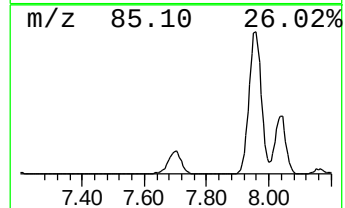
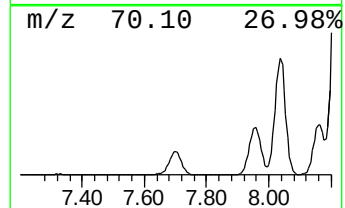
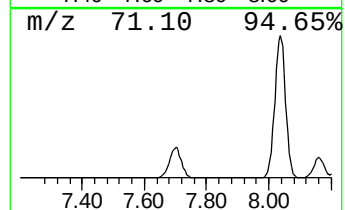
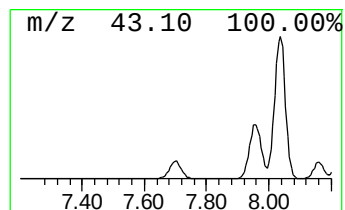
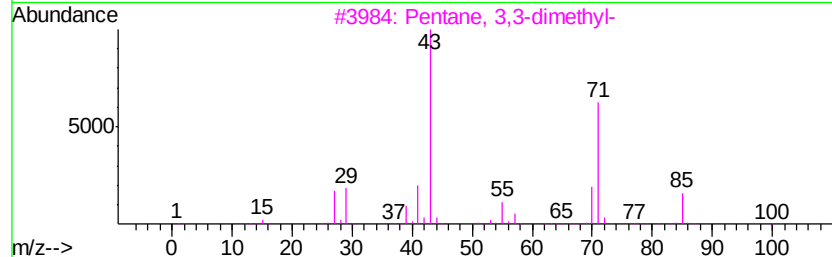
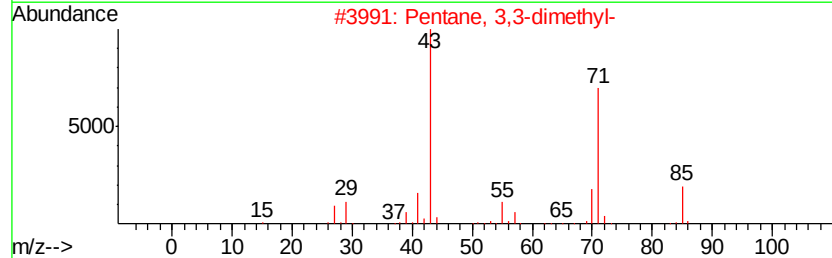
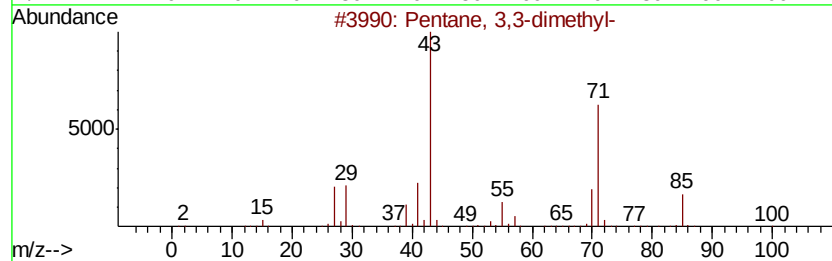
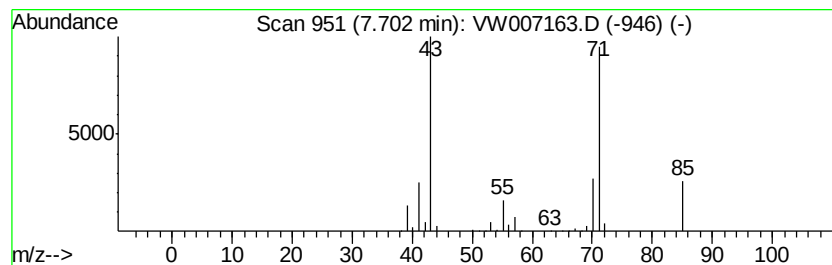
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Quant Title : VOC Analysis

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

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.70	23.07 ug/L	309545	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	83
2		Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	83
3		Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	74
4		Butane, 2-iodo-3-methyl-	198	C5H11I	018295-27-7	53
5		Oxirane, butyl-	100	C6H12O	001436-34-6	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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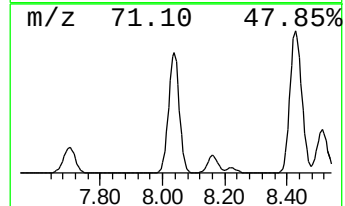
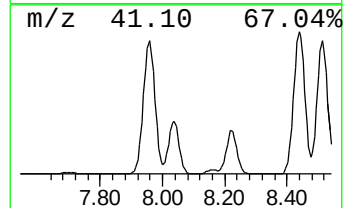
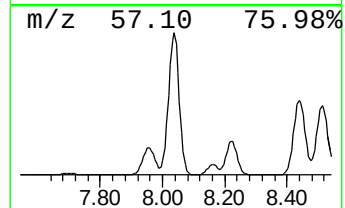
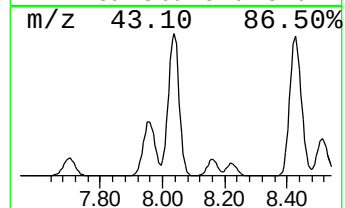
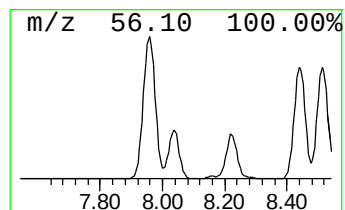
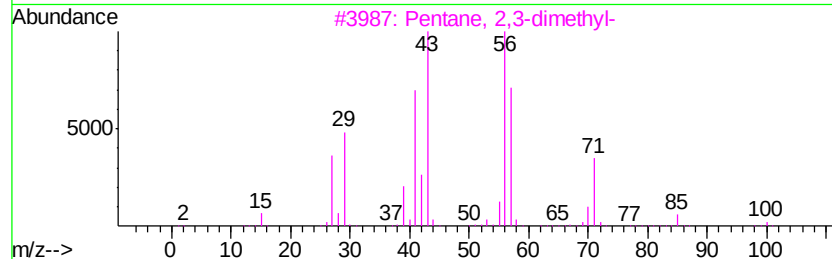
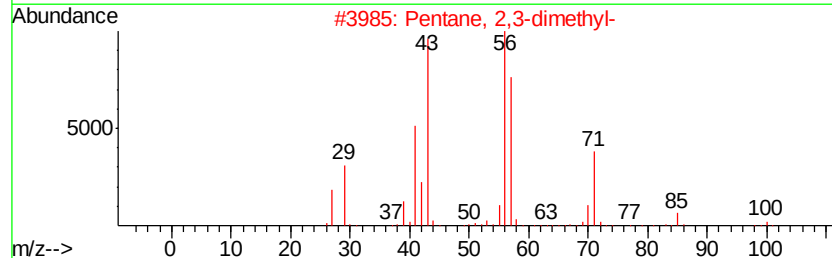
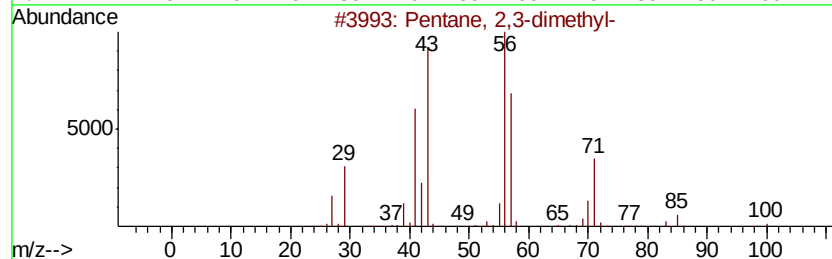
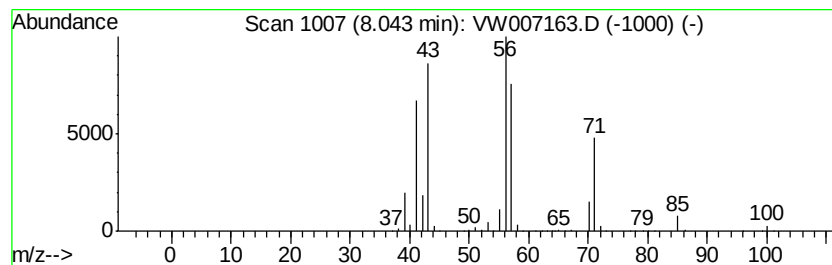
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Quant Title : VOC Analysis

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

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.04	291.80 ug/L	3914460	1,4-Difluorobenzene	8.84

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	87
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 : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
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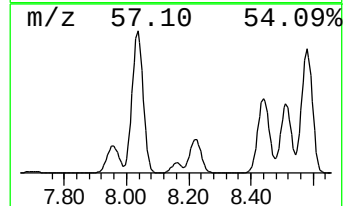
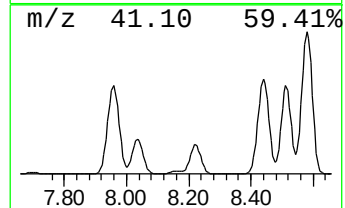
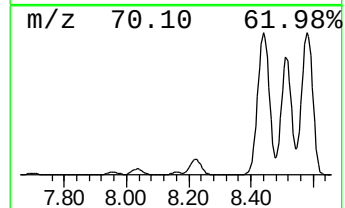
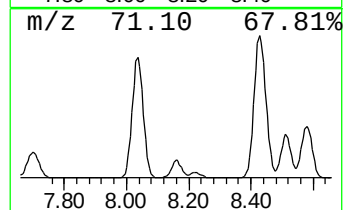
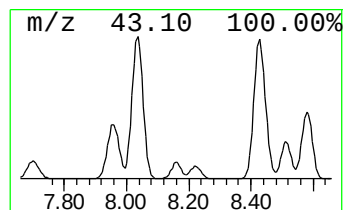
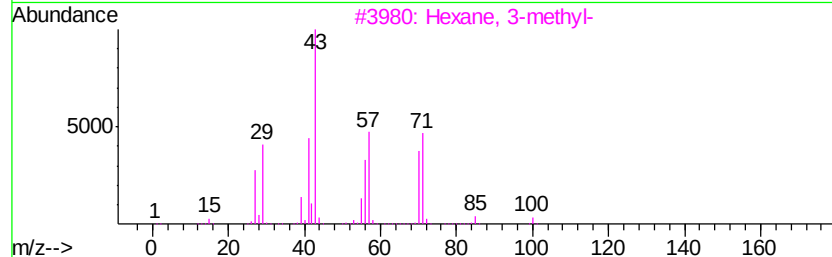
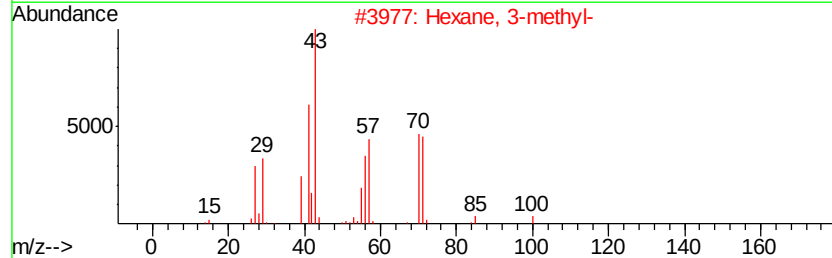
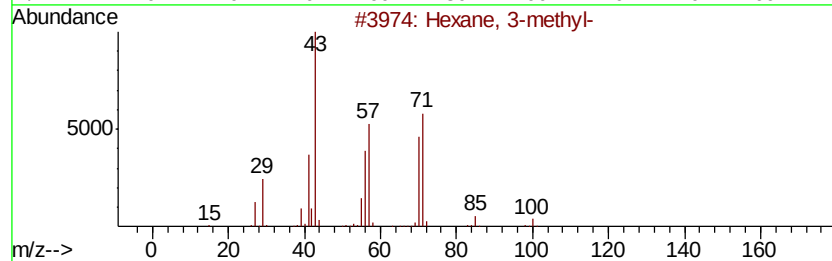
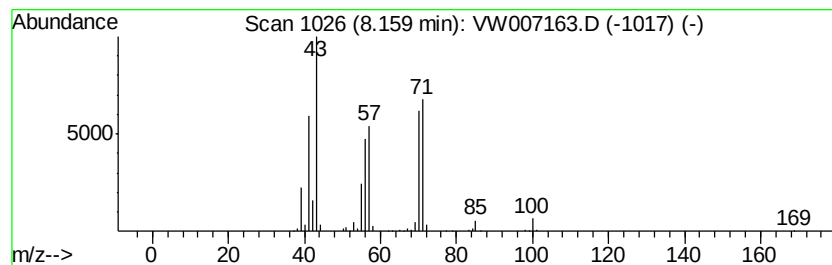
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Quant Title : VOC Analysis

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.16	26.47 ug/L	355104	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
2		Hexane, 3-methyl-	100	C7H16	000589-34-4	83
3		Hexane, 3-methyl-	100	C7H16	000589-34-4	83
4		Heptane, 4-methyl-	114	C8H18	000589-53-7	59
5		Heptane, 4-methyl-	114	C8H18	000589-53-7	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
 Data File : VW007163.D
 Acq On : 03 Dec 2018 14:40
 Operator : SY/AP
 Sample : J6077-19
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 ALS Vial : 1 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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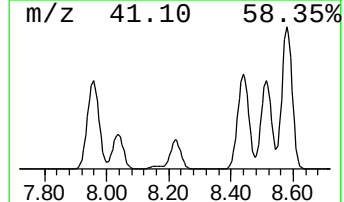
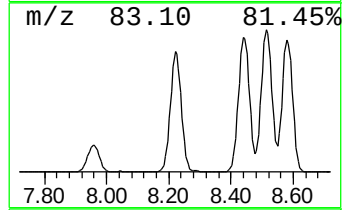
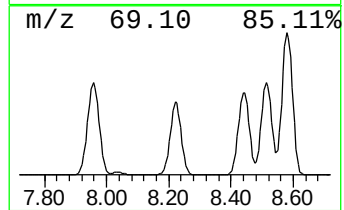
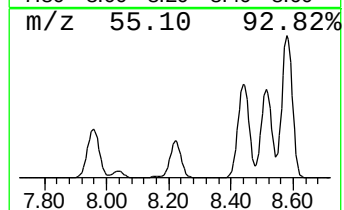
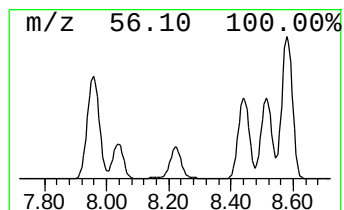
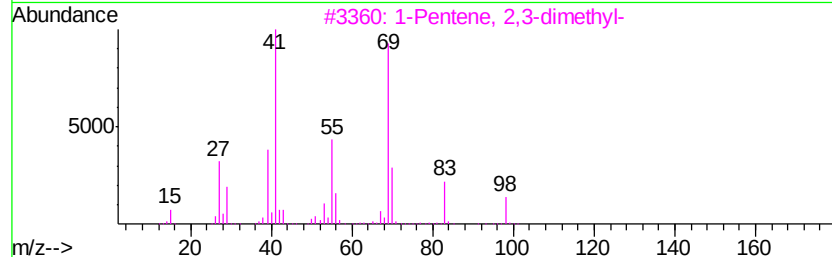
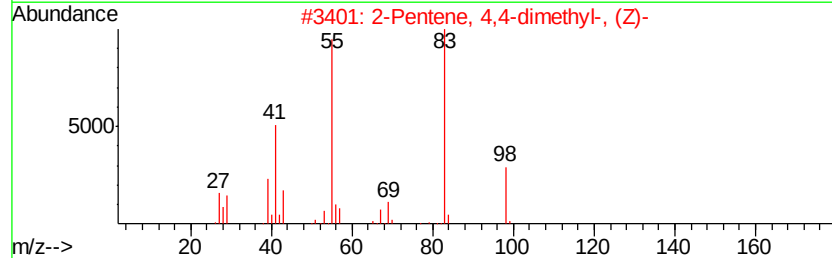
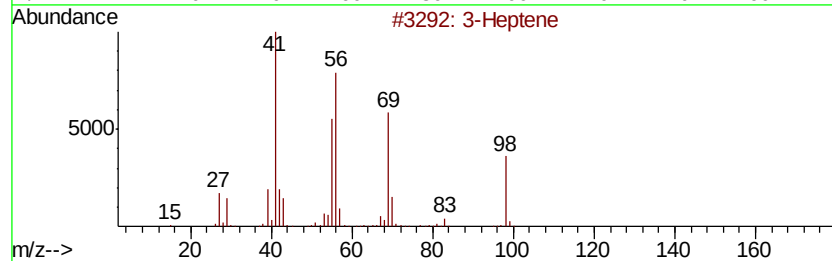
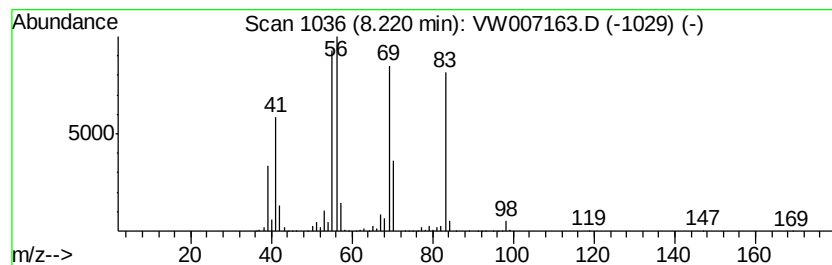
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 Quant Title : VOC Analysis

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

 Peak Number 9 (DEL) Alkane: Cyclic8.22 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.22	389.13 ug/L	5220230	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Heptene	98	C7H14	000592-78-9	68
2		2-Pentene, 4,4-dimethyl-, (Z)-	98	C7H14	000762-63-0	38
3		1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	38
4		2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	38
5		1,4-Pentadien-3-ol	84	C5H8O	000922-65-6	35



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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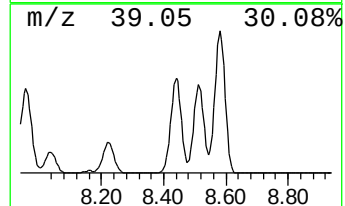
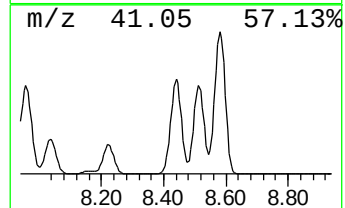
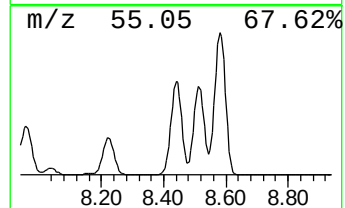
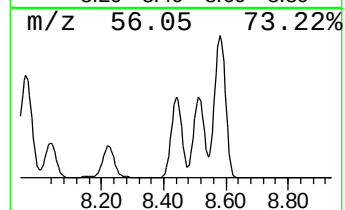
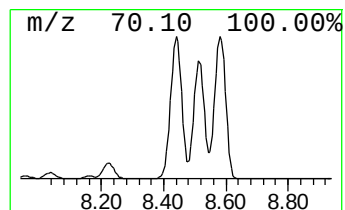
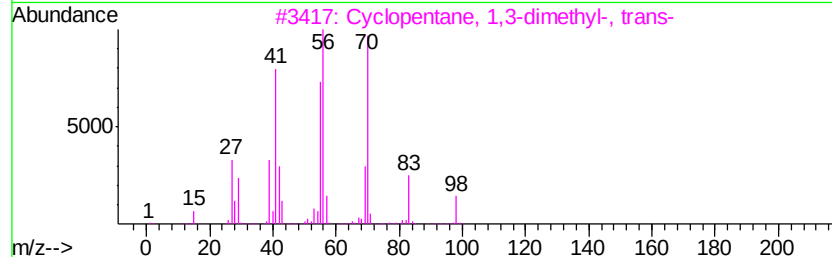
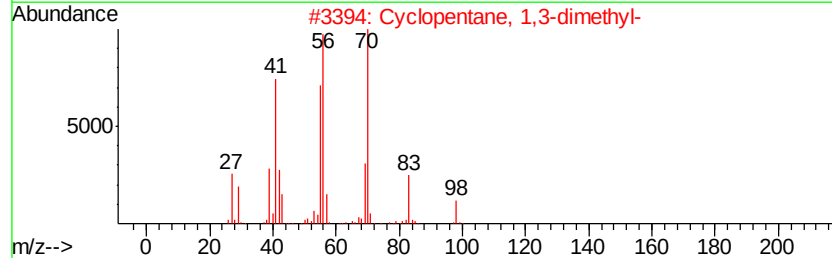
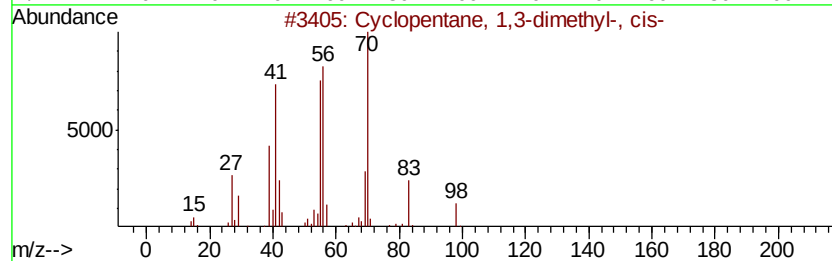
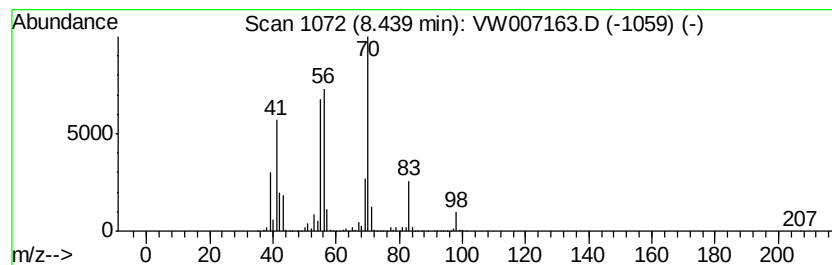
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Quant Title : VOC Analysis

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

Peak Number 10 (DEL) Alkane: Cyclic8.44 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.44	1070.36 ug/L	14359000	1,4-Difluorobenzene	8.84

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-, trans-	98	C7H14	001759-58-6	91
4		Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	90
5		Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	76



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

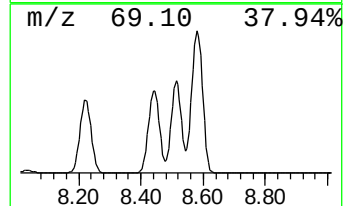
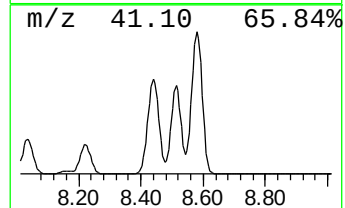
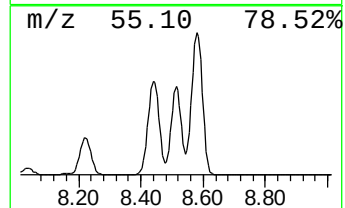
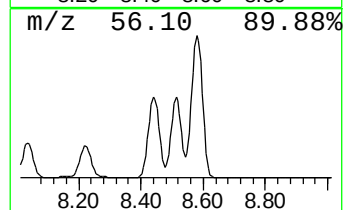
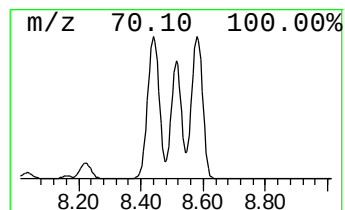
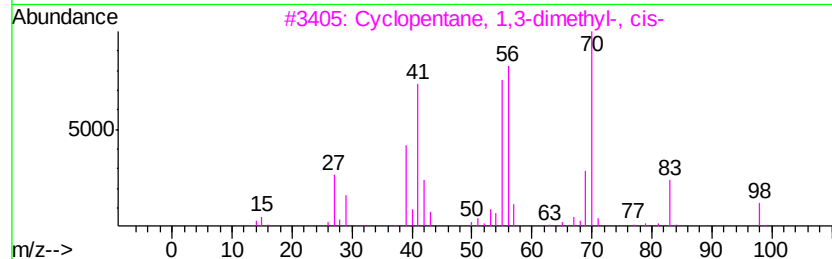
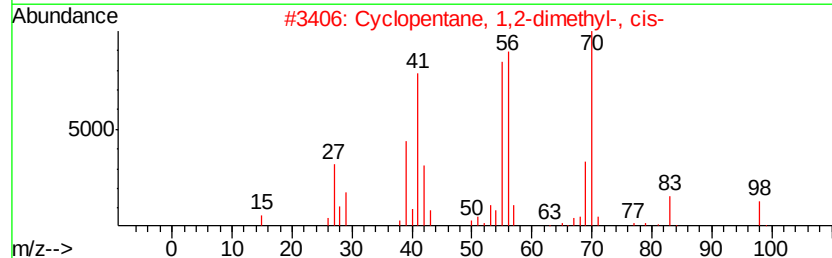
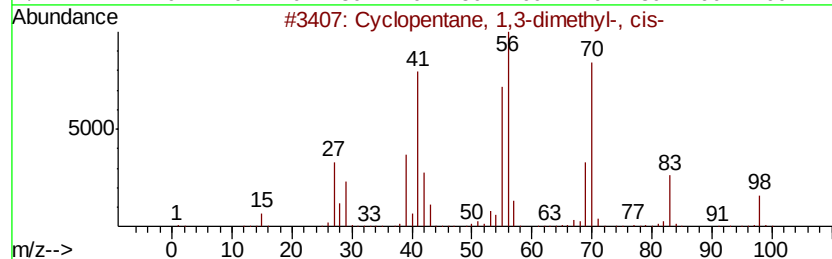
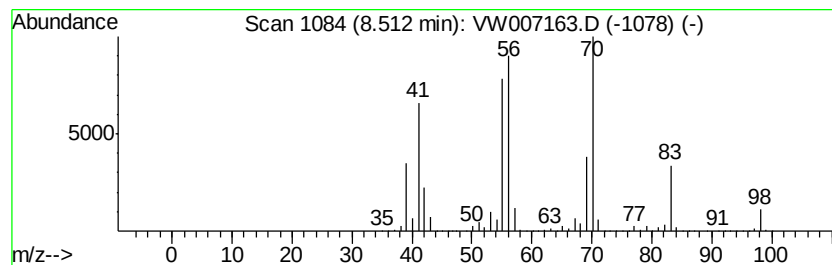
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ClientSampleId :
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Quant Title : VOC Analysis

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

Peak Number 11 (DEL) Alkane: Cyclic8.51 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
8.51	746.36 ug/L	10012500	1,4-Difluorobenzene	8.84	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	95
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, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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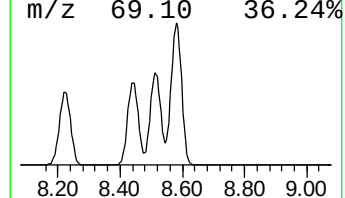
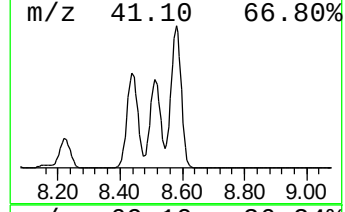
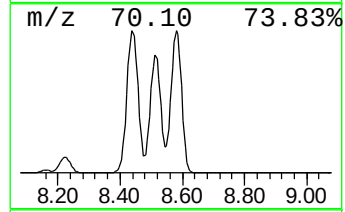
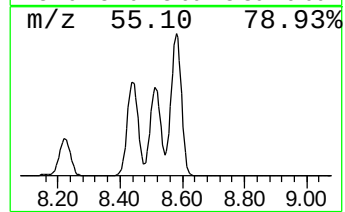
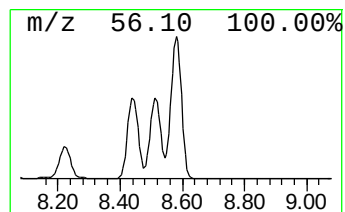
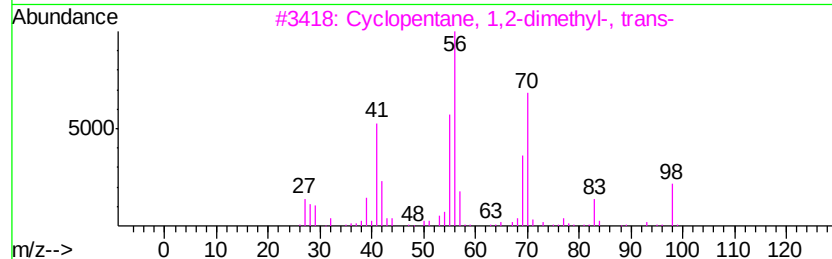
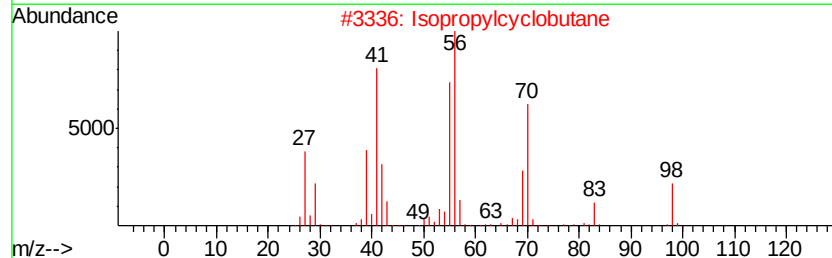
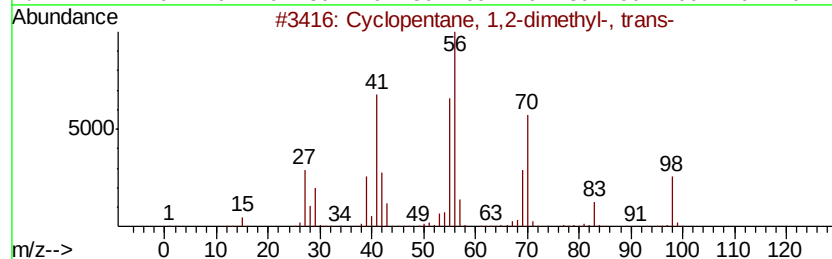
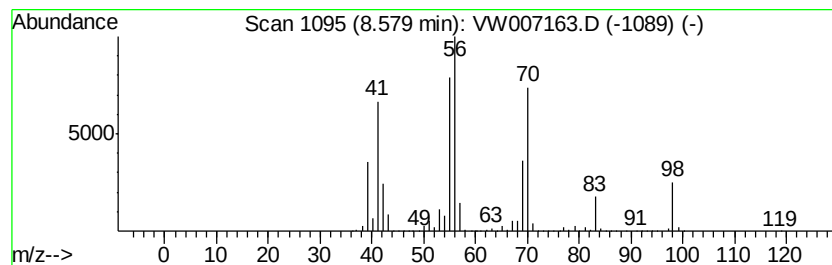
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Quant Title : VOC Analysis

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

Peak Number 12 (DEL) Alkane: Cyclic8.58 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.58	1422.22 ug/L	19079200	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	94
2		Isopropylcyclobutane	98	C7H14	000872-56-0	94
3		Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	91
4		Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	91
5		Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	83



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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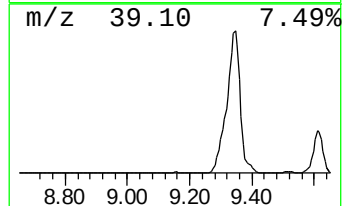
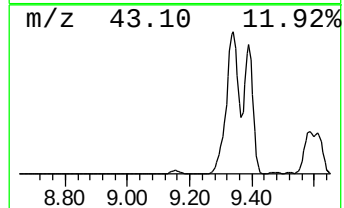
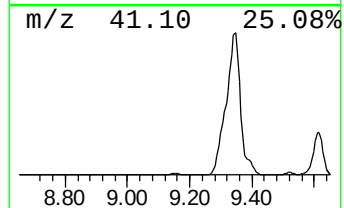
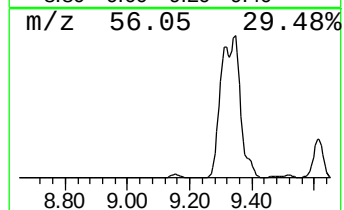
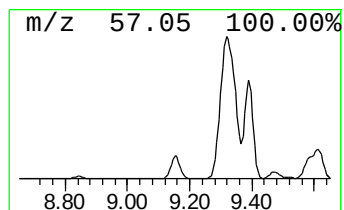
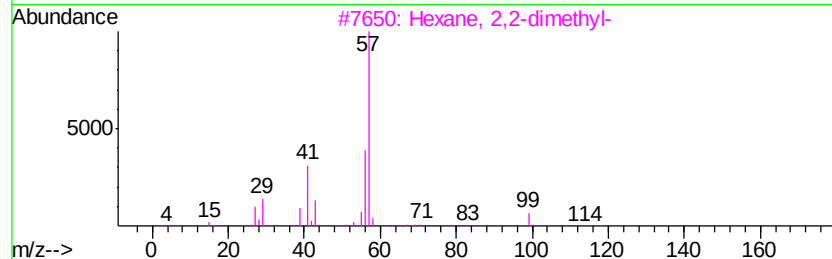
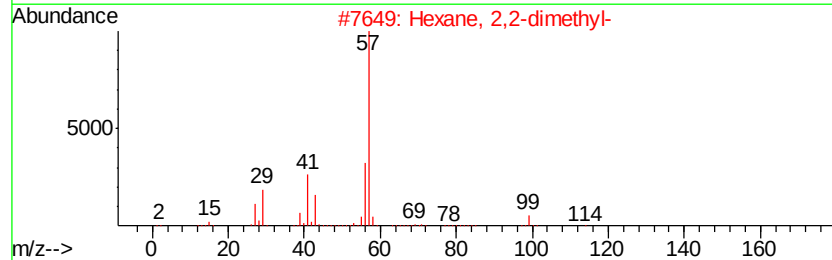
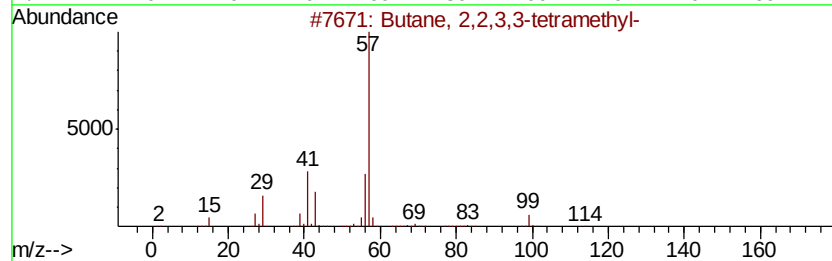
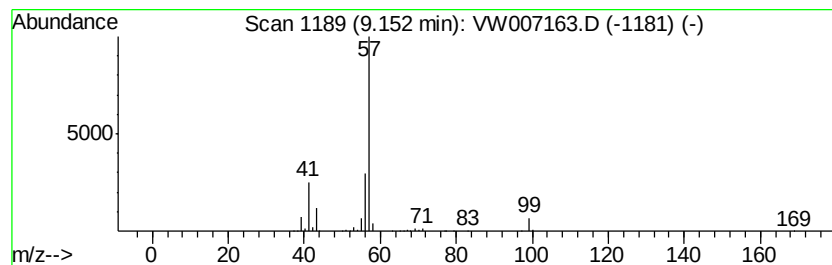
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Quant Title : VOC Analysis

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

Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.15	21.58 ug/L	289457	1,4-Difluorobenzene	8.84

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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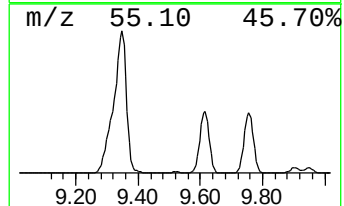
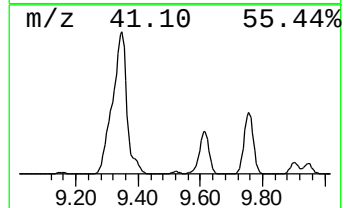
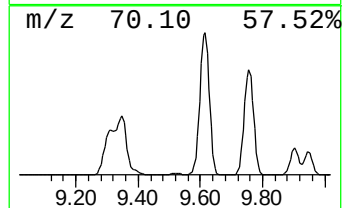
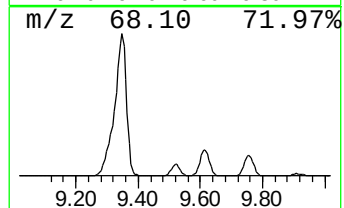
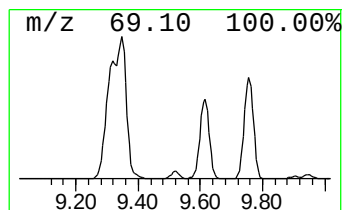
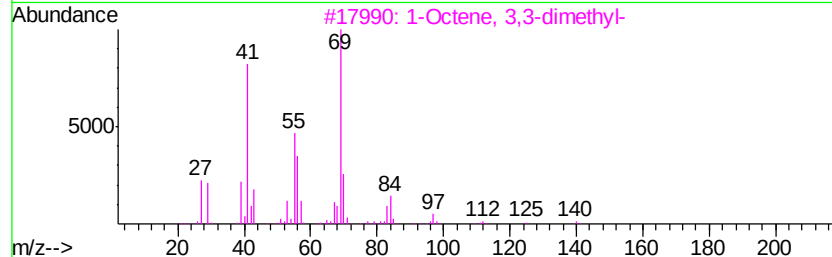
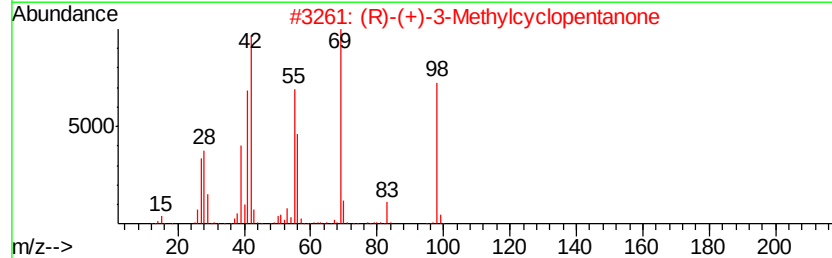
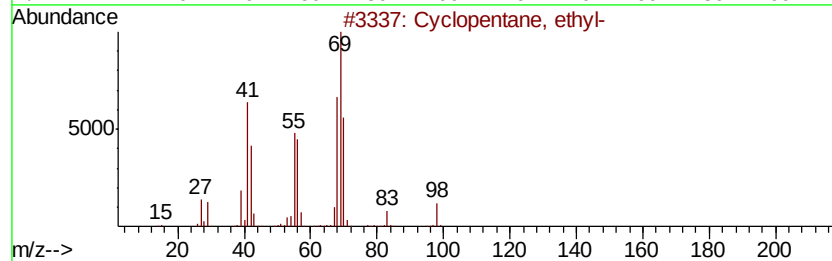
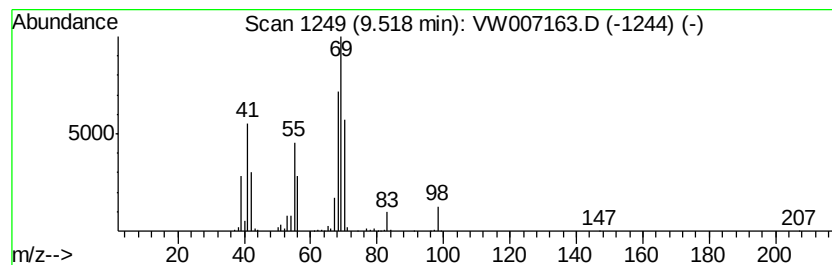
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Quant Title : VOC Analysis

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

Peak Number 14 (DEL) Alkane: Cyclic9.52 Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.52	20.25 ug/L	271594	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, ethyl-	98	C7H14	001640-89-7	87
2		(R)-(+)-3-Methylcyclopentanone	98	C6H10O	006672-30-6	47
3		1-Octene, 3,3-dimethyl-	140	C10H20	074511-51-6	47
4		2-Hexene, 3-methyl-, (Z)-	98	C7H14	010574-36-4	47
5		1-Pentene, 3-ethyl-	98	C7H14	004038-04-4	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9Y04

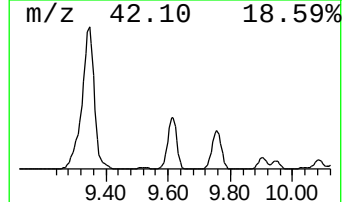
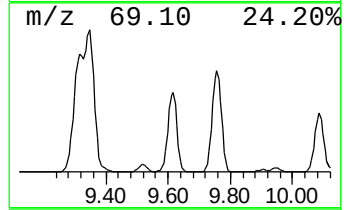
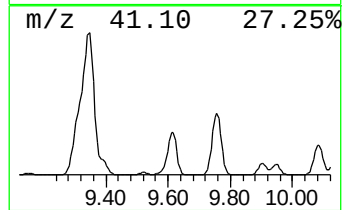
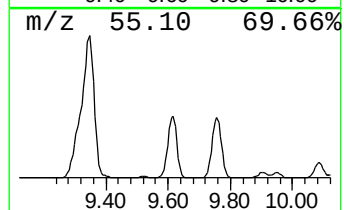
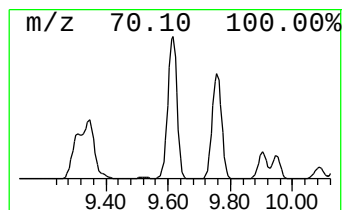
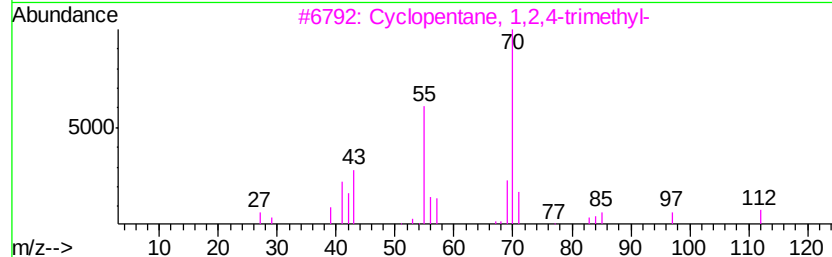
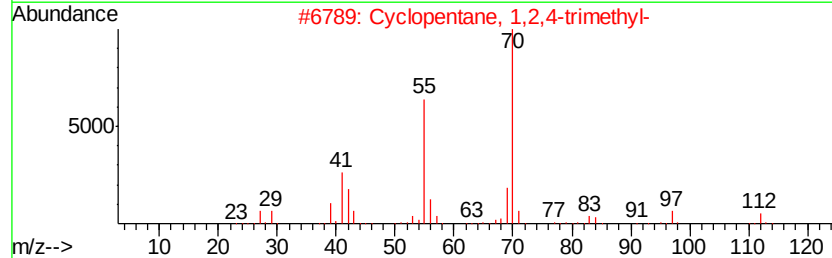
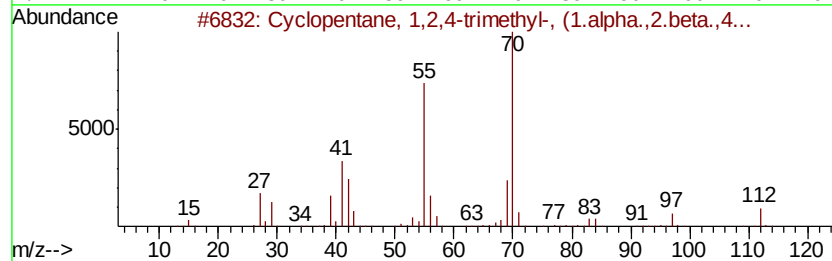
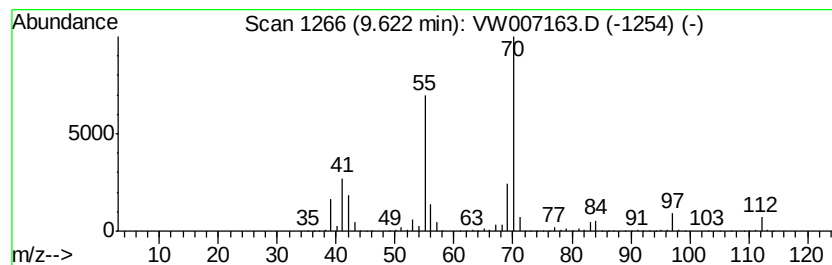
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Quant Title : VOC Analysis

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

Peak Number 15 (DEL) Alkane: Cyclic9.62 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.62	944.97 ug/L	12676900	1,4-Difluorobenzene	8.84

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		Octane, 3-methyl-6-methylene-	140	C10H20	074630-07-2	78



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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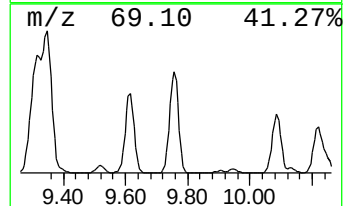
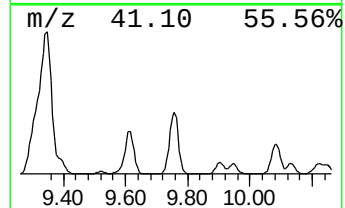
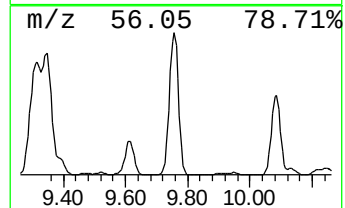
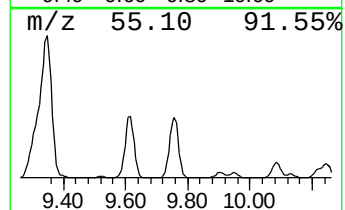
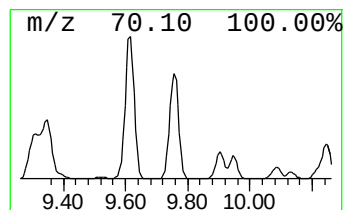
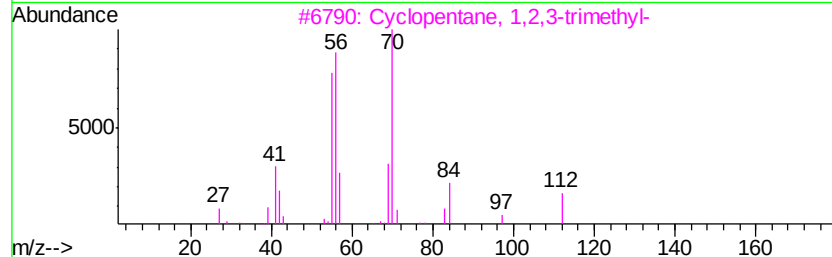
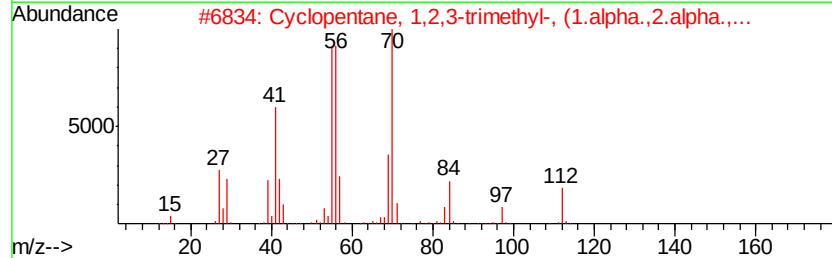
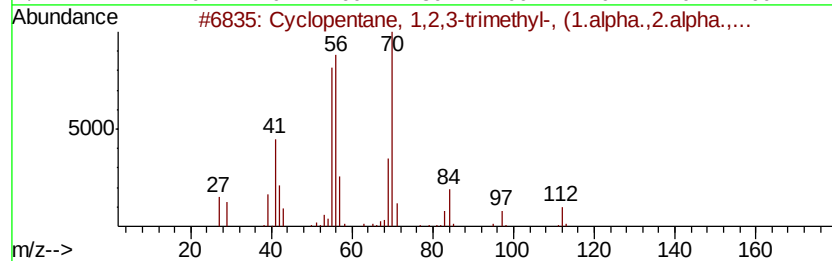
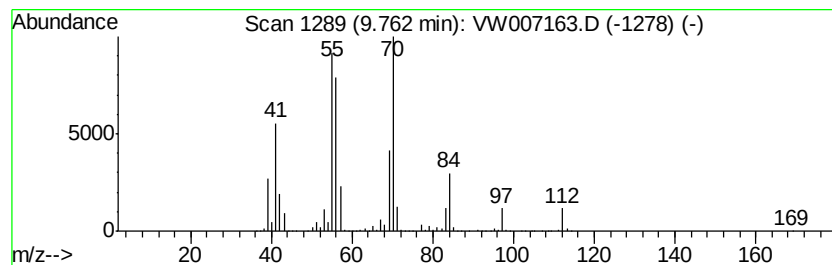
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Quant Title : VOC Analysis

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

Peak Number 16 (DEL) Alkane: Cyclic9.76 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.76	1110.44 ug/L	14896600	1,4-Difluorobenzene	8.84

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		Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9Y04

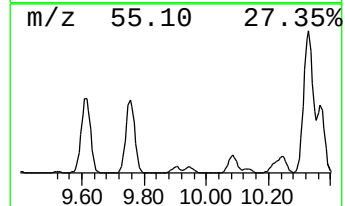
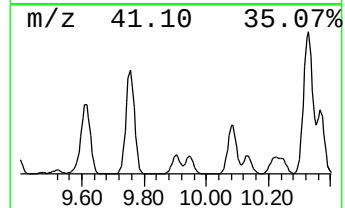
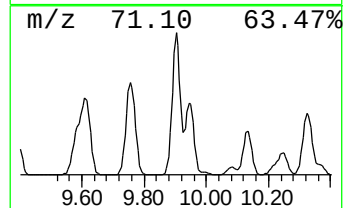
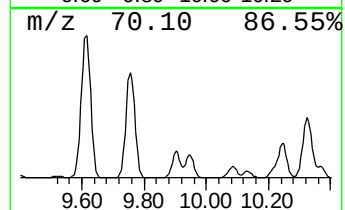
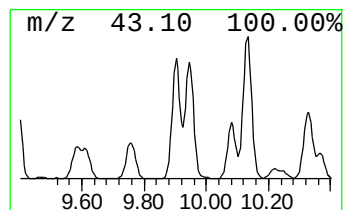
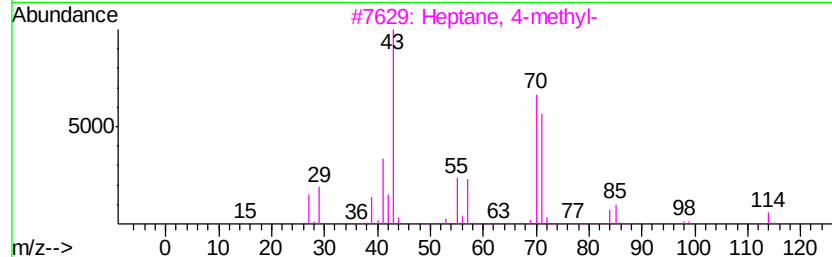
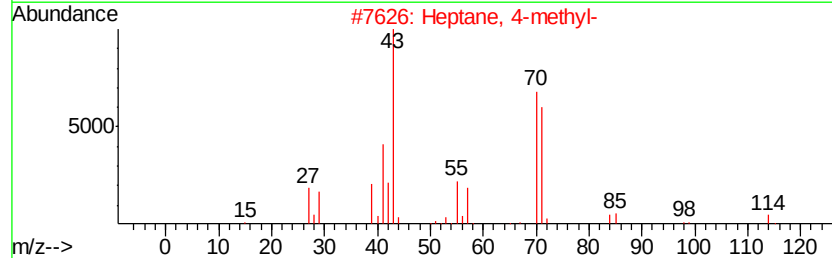
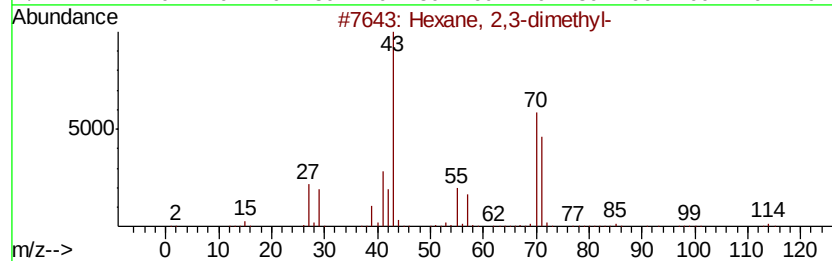
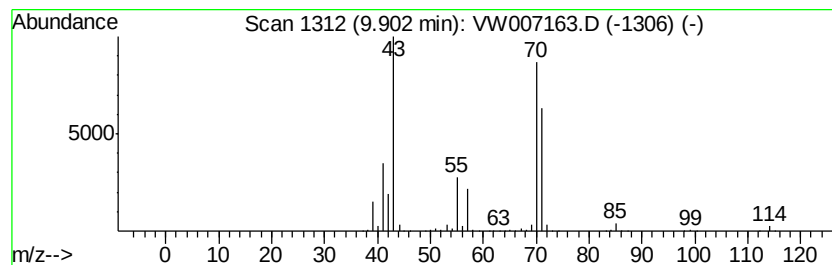
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Quant Title : VOC Analysis

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

Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.90	198.86 ug/L	2667690	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	91
2		Heptane, 4-methyl-	114	C8H18	000589-53-7	90
3		Heptane, 4-methyl-	114	C8H18	000589-53-7	78
4		3,4-Diethyl hexane	142	C10H22	019398-77-7	78
5		Octane, 4,5-dimethyl-	142	C10H22	015869-96-2	78



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

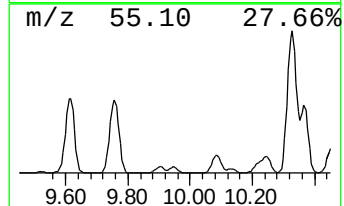
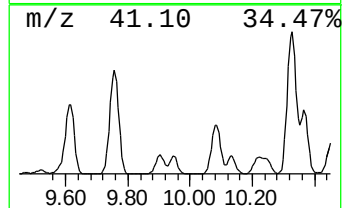
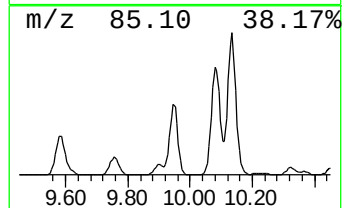
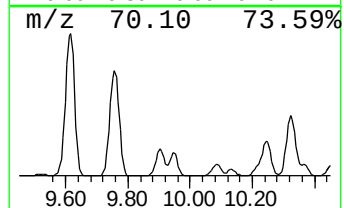
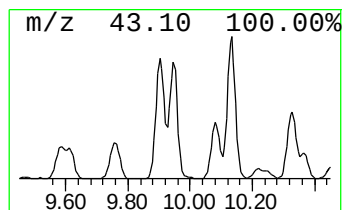
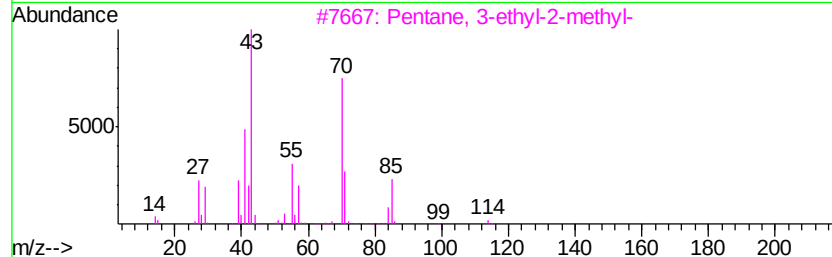
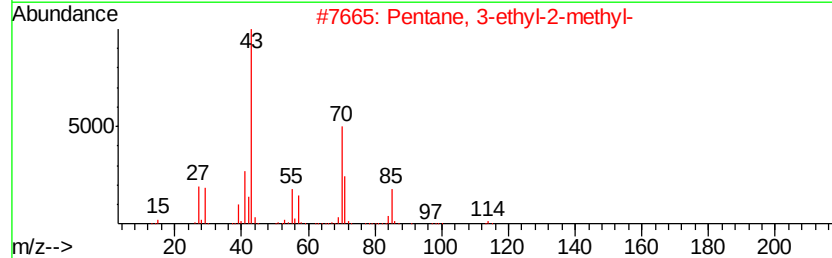
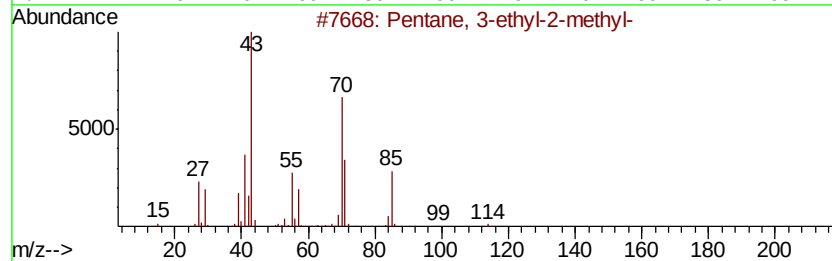
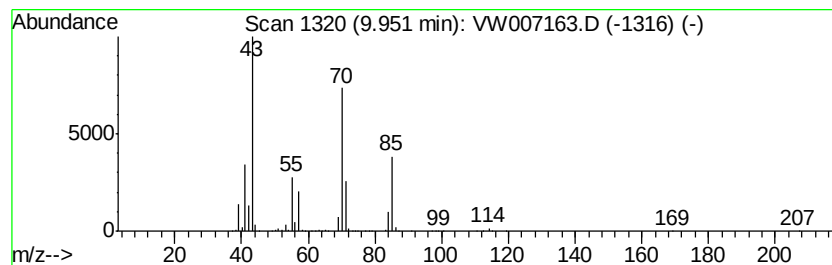
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

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

Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.		
9.95	169.47 ug/L	2273470	1,4-Difluorobenzene	8.84		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	91	
2	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	81	
3	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	81	
4	Acetoacetic acid isoamyl ester	172	C9H16O3	002308-18-1	64	
5	Butanoic acid, 3-methyl-, 3-meth...	172	C10H20O2	000659-70-1	59	



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9Y04

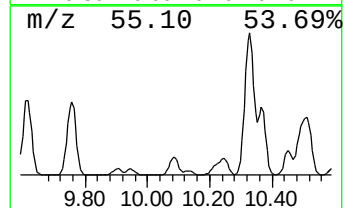
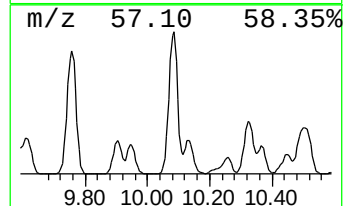
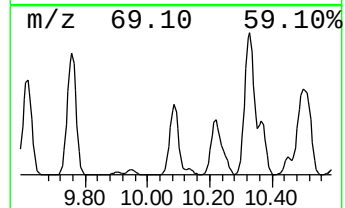
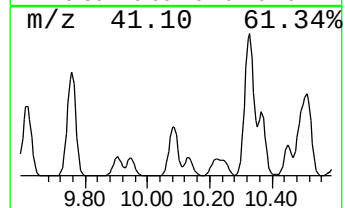
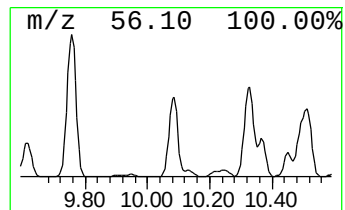
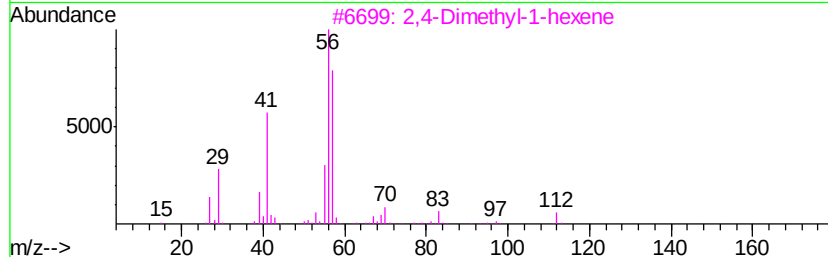
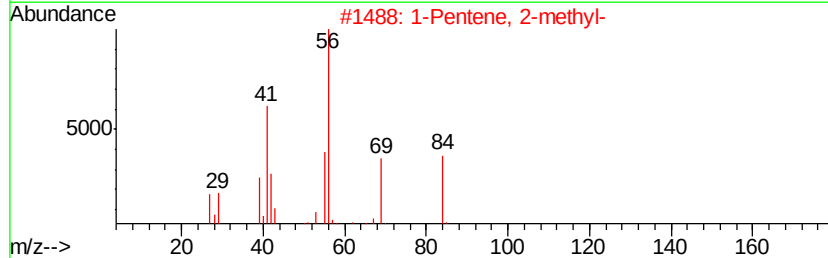
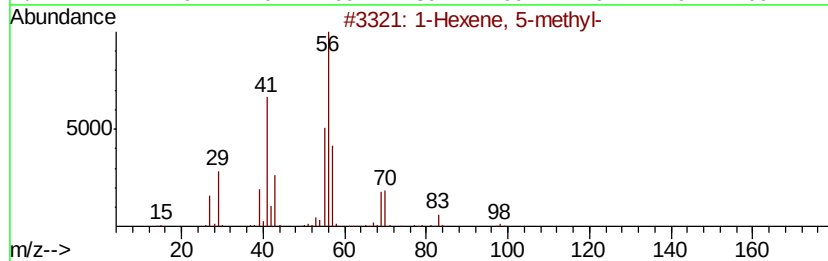
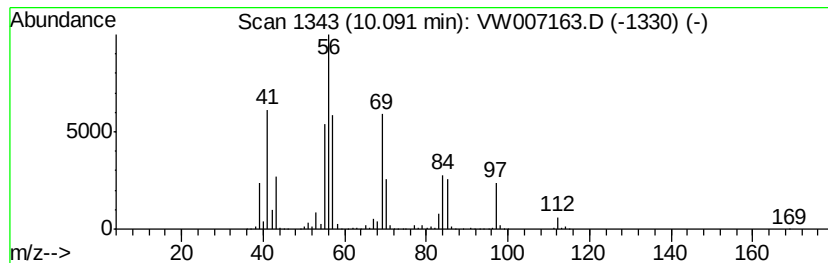
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Quant Title : VOC Analysis

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

Peak Number 19 (DEL) Alkane: Cyclic10.09 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.09	455.25 ug/L	6107250	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Hexene, 5-methyl-	98	C7H14	003524-73-0	49
2		1-Pentene, 2-methyl-	84	C6H12	000763-29-1	47
3		2,4-Dimethyl-1-hexene	112	C8H16	016746-87-5	46
4		2(3H)-Furanone, dihydro-3,3-dime...	114	C6H10O2	003709-08-8	43
5		Cyclopentane, 1,1,2-trimethyl-	112	C8H16	004259-00-1	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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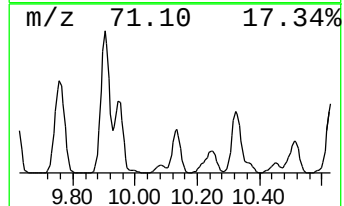
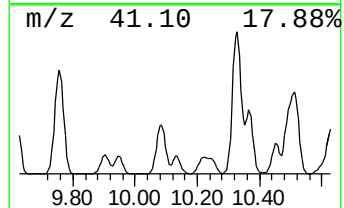
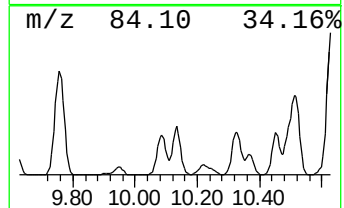
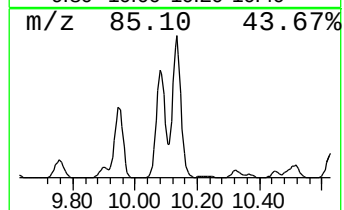
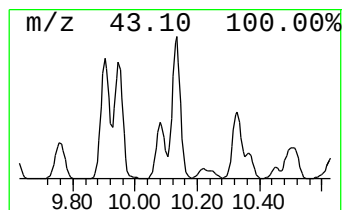
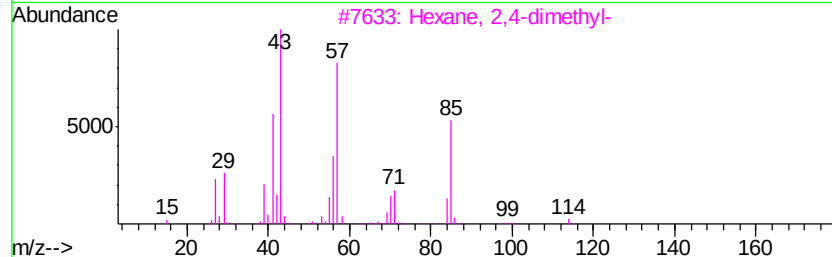
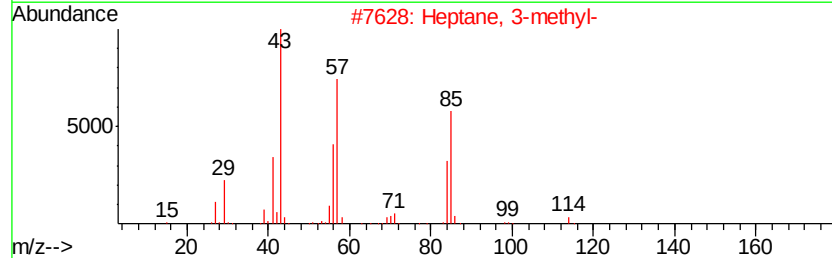
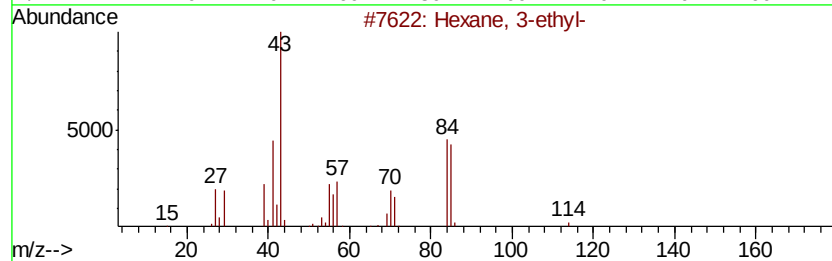
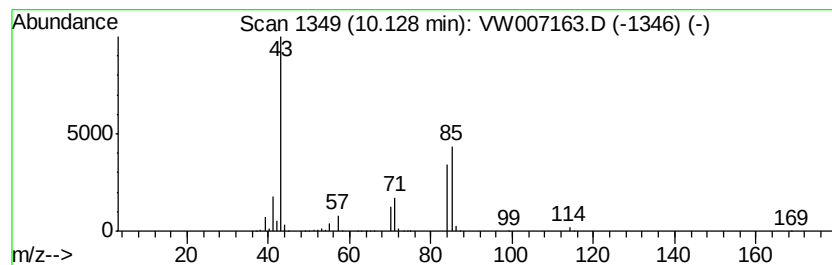
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Quant Title : VOC Analysis

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

Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.13	192.70 ug/L	2585130	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexane, 3-ethyl-	114	C8H18	000619-99-8	64
2		Heptane, 3-methyl-	114	C8H18	000589-81-1	64
3		Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	64
4		Hexane, 3-ethyl-	114	C8H18	000619-99-8	64
5		Hexane, 3-ethyl-	114	C8H18	000619-99-8	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

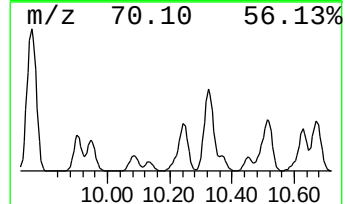
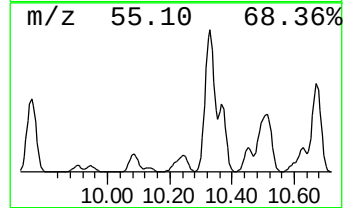
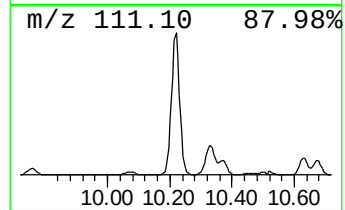
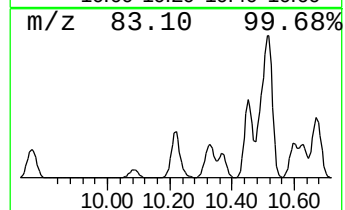
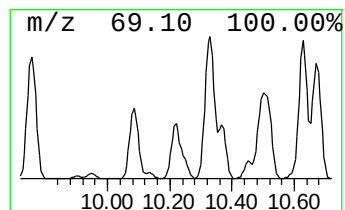
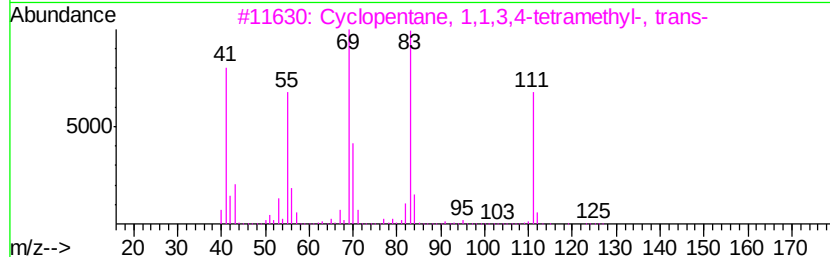
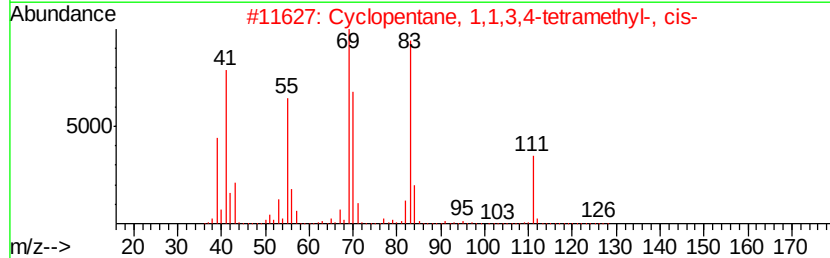
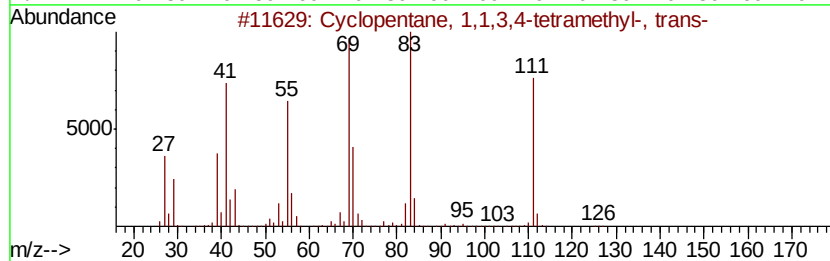
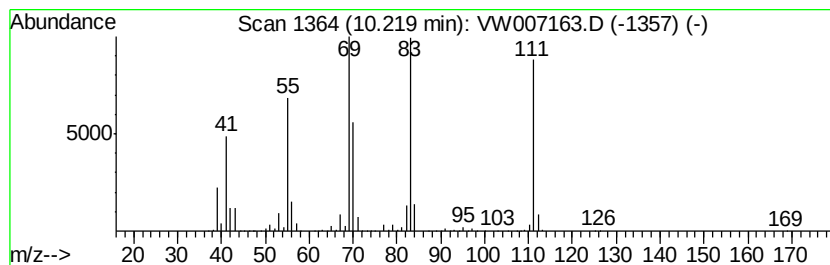
Instrument :
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

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

Peak Number 21 (DEL) Alkane: Cyclic10.22 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.22	201.13 ug/L	2698190	1,4-Difluorobenzene	8.84
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclopentane, 1,1,3,4-tetramethy...	126 C9H18	020309-77-7 90
2		Cyclopentane, 1,1,3,4-tetramethy...	126 C9H18	053907-60-1 64
3		Cyclopentane, 1,1,3,4-tetramethy...	126 C9H18	020309-77-7 53
4		Cyclooctane, butyl-	168 C12H24	016538-93-5 50
5		Cyclohexanecarboxylic acid, (1H-...	195 C8H13N50	1000310-78-1 43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

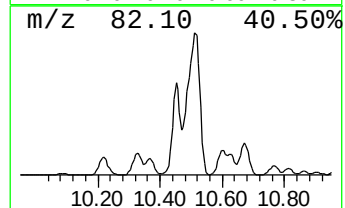
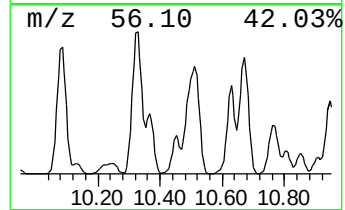
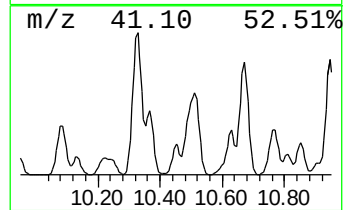
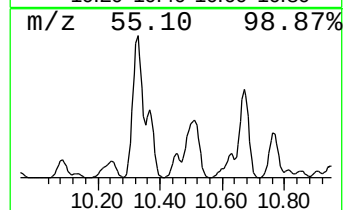
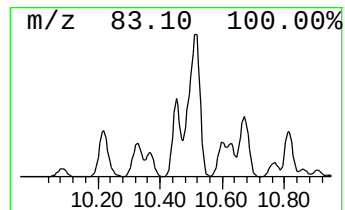
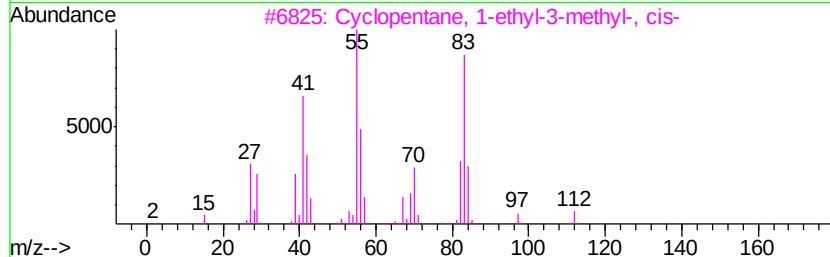
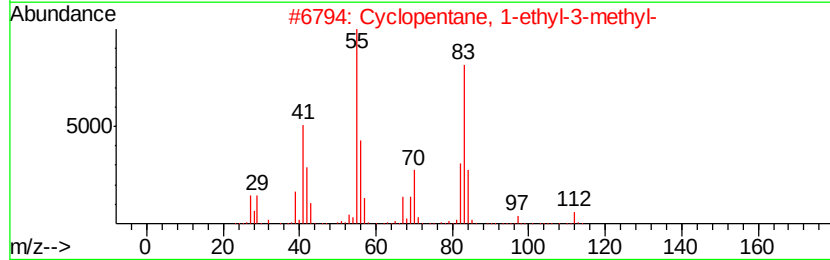
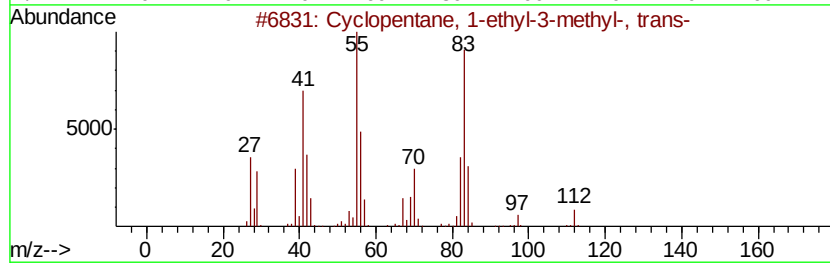
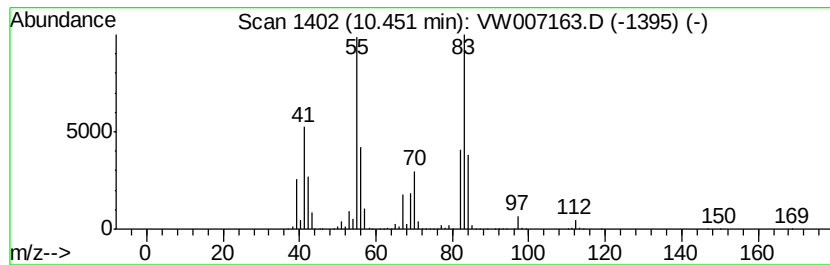
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

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

Peak Number 22 (DEL) Alkane: Cyclic10.45 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.45	33.55 ug/L	3948960	Chlorobenzene-d5	11.63	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cvclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-65-2	96
2	Cvclopentane, 1-ethyl-3-methyl-	112	C8H16	003726-47-4	95
3	Cvclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-66-3	94
4	3-Ethylcvclopentanone	112	C7H12O	010264-55-8	49
5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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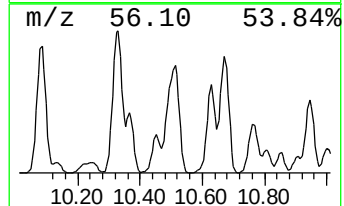
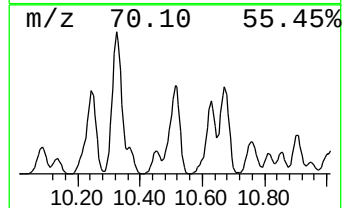
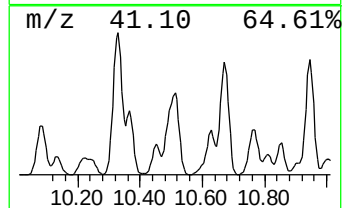
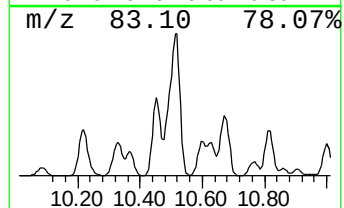
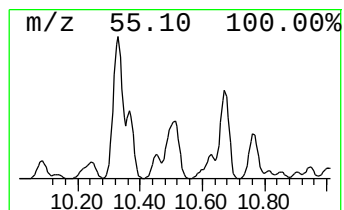
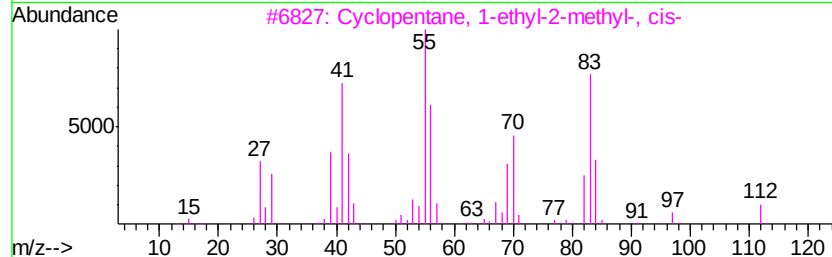
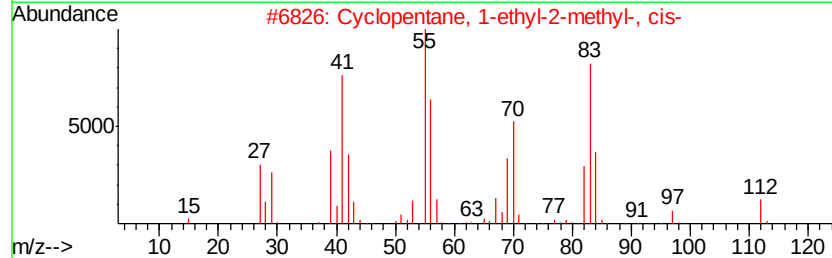
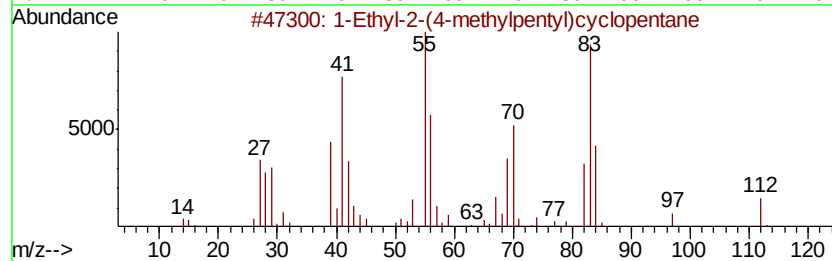
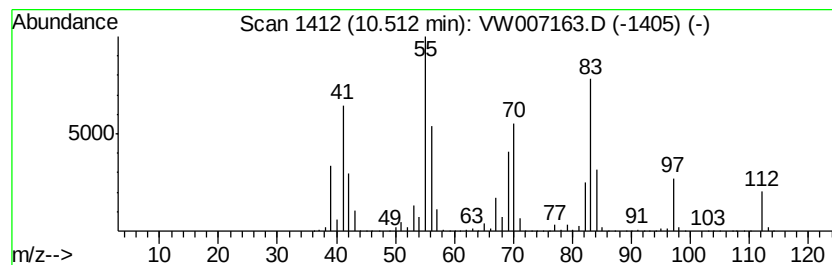
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Quant Title : VOC Analysis

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

Peak Number 23 (DEL) Alkane: Cyclic10.51 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.51	135.45 ug/L	15943400	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	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	72
4		Cyclopentane, 1-ethyl-2-methyl-	112	C8H16	003726-46-3	58
5		Cyclooctane	112	C8H16	000292-64-8	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

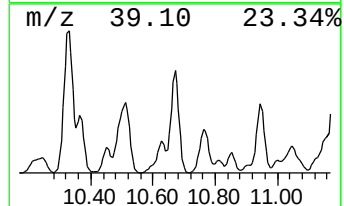
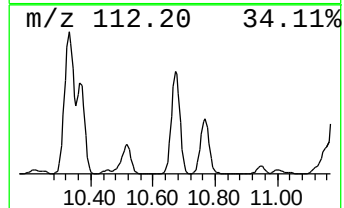
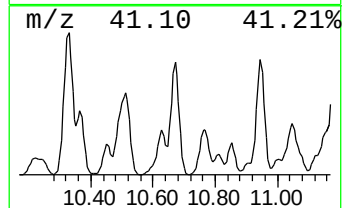
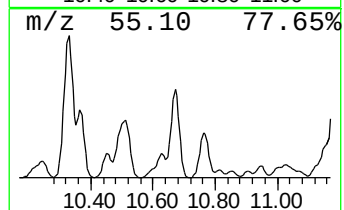
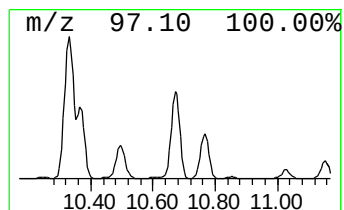
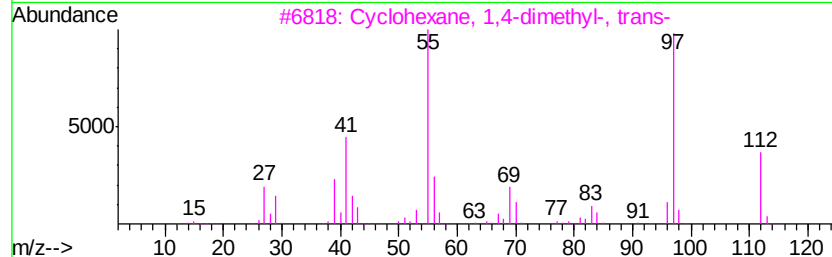
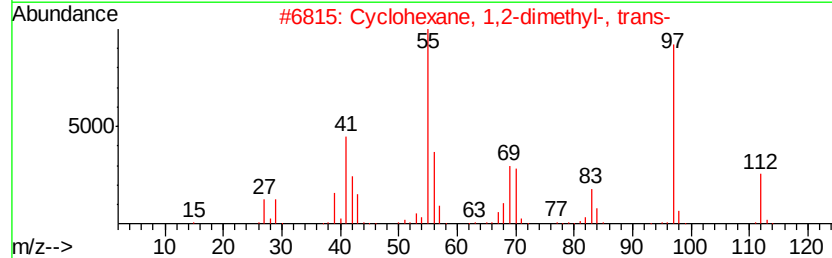
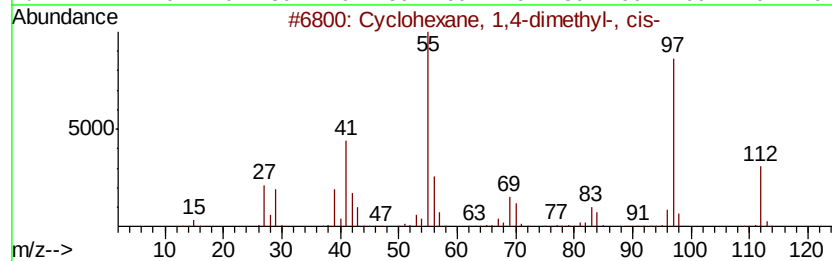
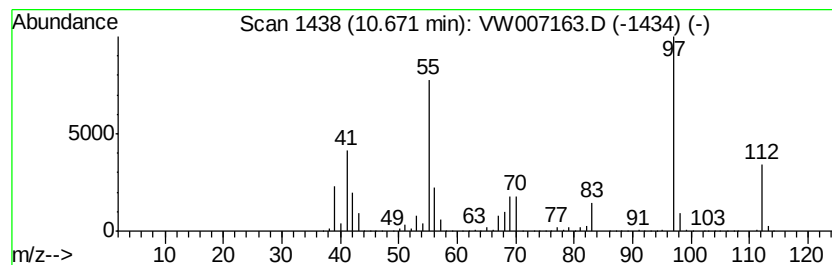
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ClientSampled :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

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

Peak Number 24 (DEL) Alkane: Cyclic10.67 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.		
10.67	135.47 ug/L	15946000	Chlorobenzene-d5	11.63		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	91
2		Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	91
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, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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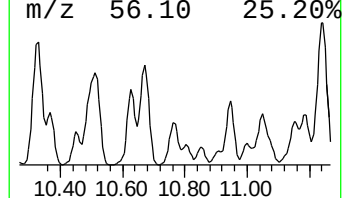
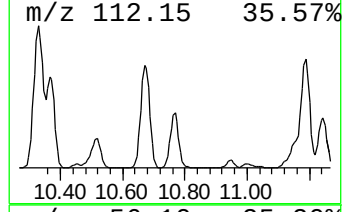
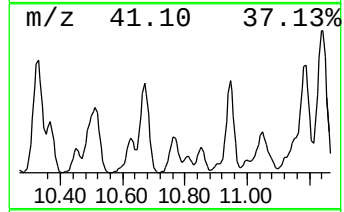
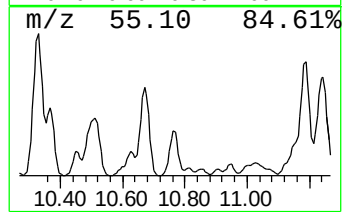
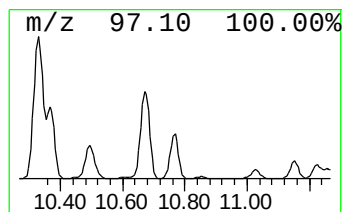
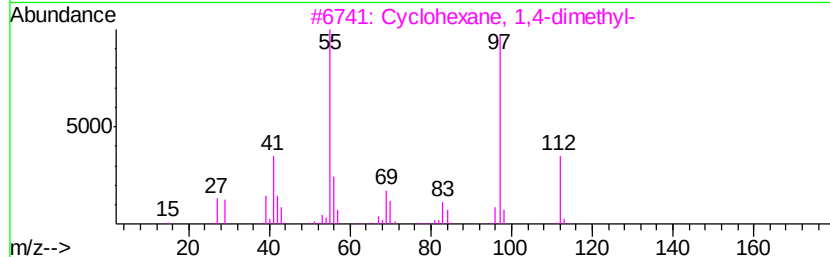
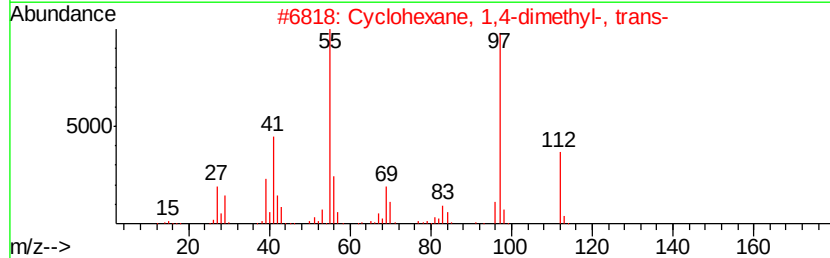
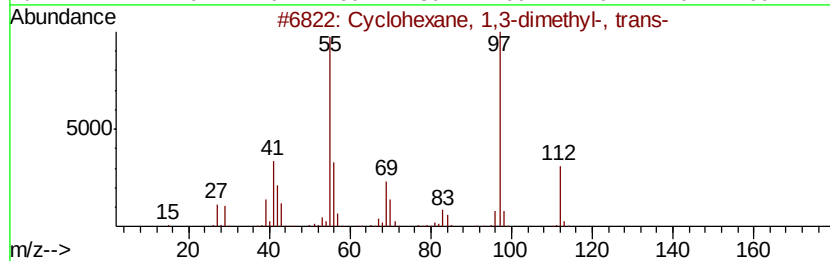
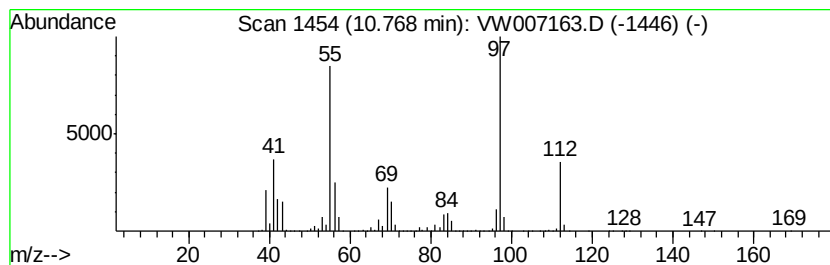
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Quant Title : VOC Analysis

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

Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	69.11 ug/L	8134300	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	97
2		Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	97
3		Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	95
4		Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	94
5		Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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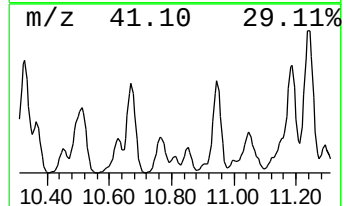
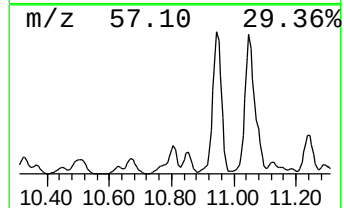
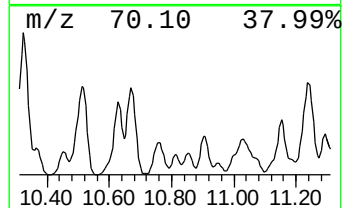
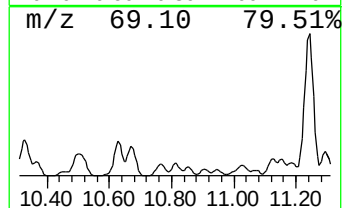
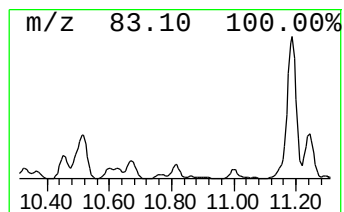
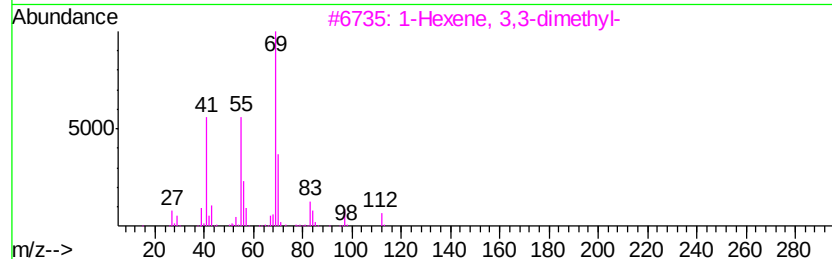
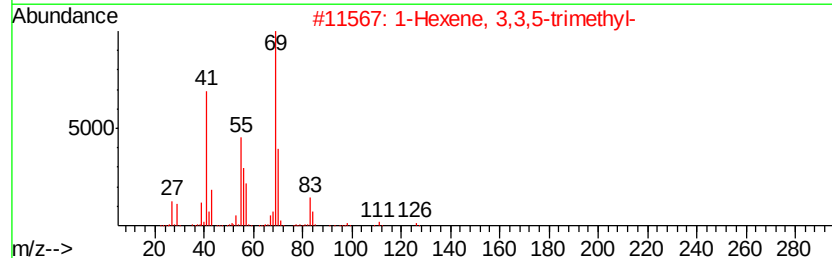
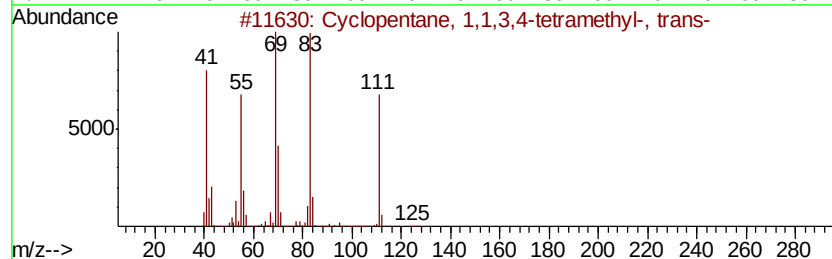
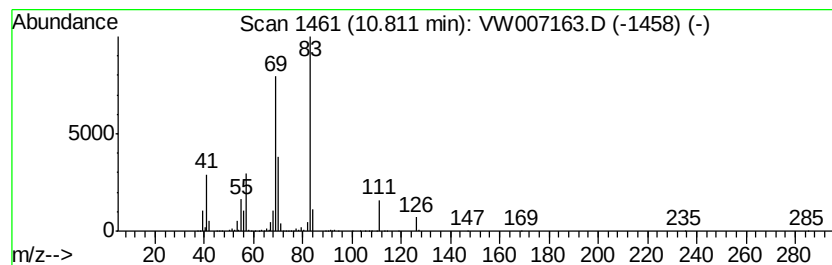
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Quant Title : VOC Analysis

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

Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.81	7.46 ug/L	878226	Chlorobenzene-d5	11.63

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,1,3,4-tetramethy...	126	C9H18	020309-77-7	38
2			1-Hexene, 3,3,5-trimethyl-	126	C9H18	013427-43-5	28
3			1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	25
4			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	25
5			Cyclopentane, 1-ethyl-1-methyl-	112	C8H16	016747-50-5	25



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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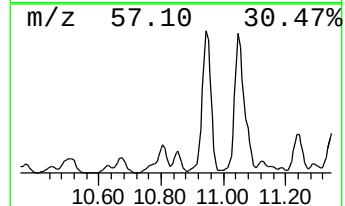
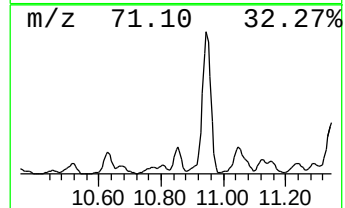
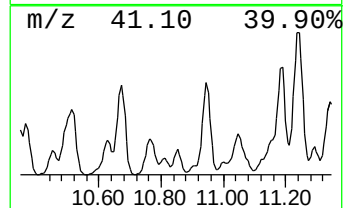
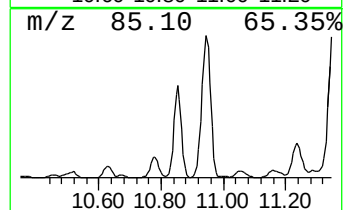
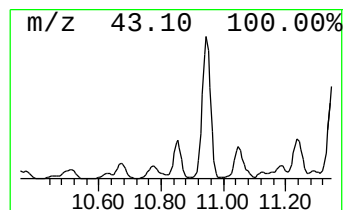
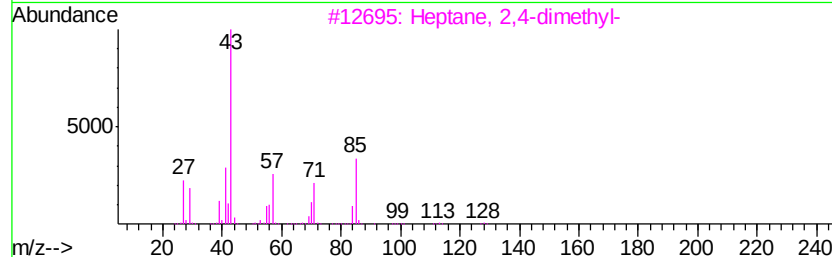
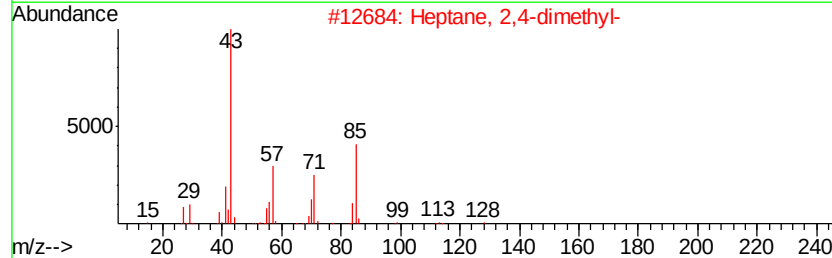
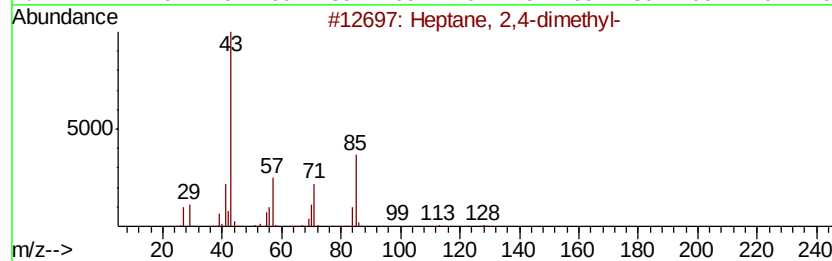
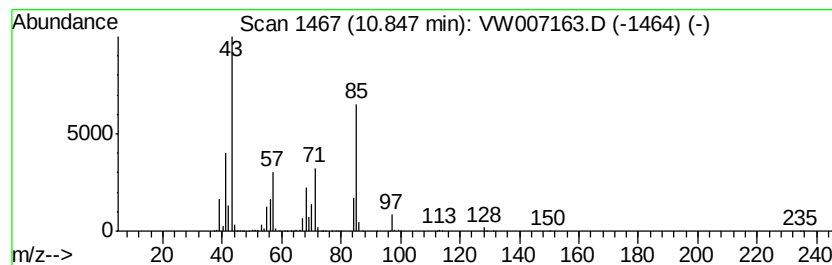
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Quant Title : VOC Analysis

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

Peak Number 27 (DEL) Alkane: Cyclic10.85 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.85	27.26 ug/L	3208350	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	81
2		Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	70
3		Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	62
4		Heptane, 4,4-dimethyl-	128	C9H20	001068-19-5	53
5		Heptane, 2,4,6-trimethyl-	142	C10H22	002613-61-8	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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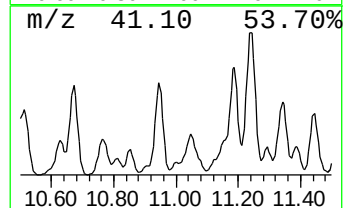
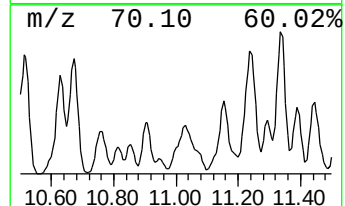
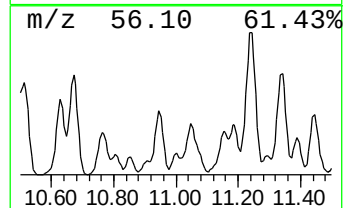
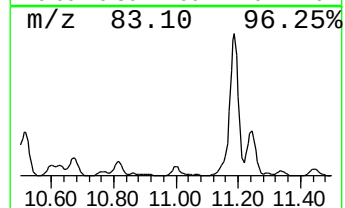
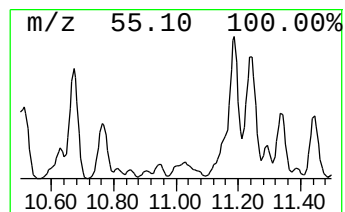
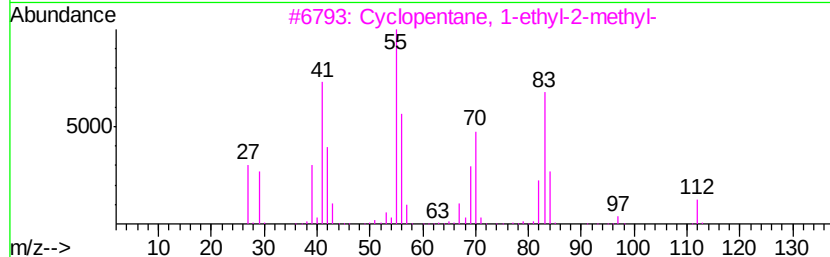
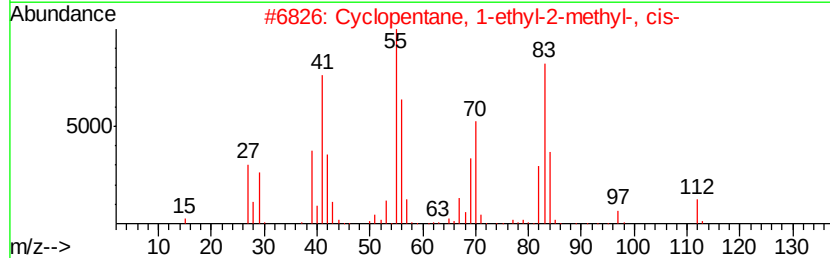
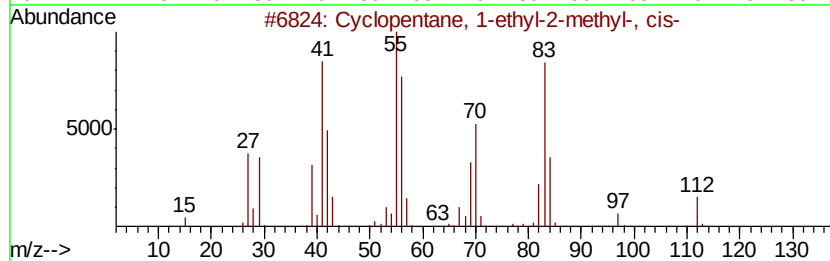
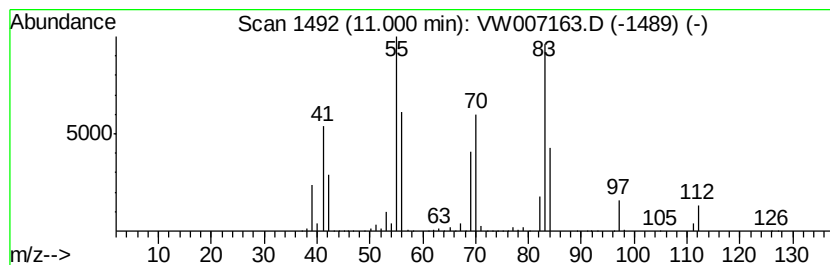
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Quant Title : VOC Analysis

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

Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.00	6.36 ug/L	748344	Chlorobenzene-d5	11.63

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	91
2			Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	90
3			Cyclopentane, 1-ethyl-2-methyl-	112	C8H16	003726-46-3	87
4			Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	87
5			3-Ethylcyclopentanone	112	C7H12O	010264-55-8	58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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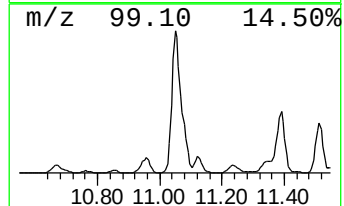
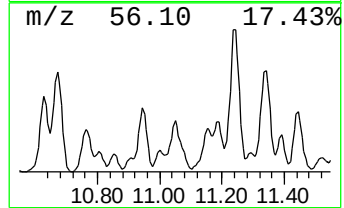
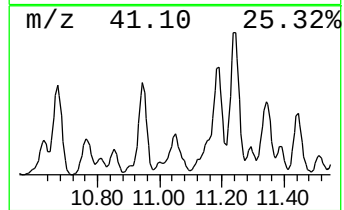
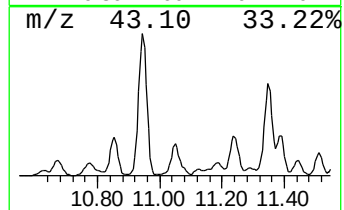
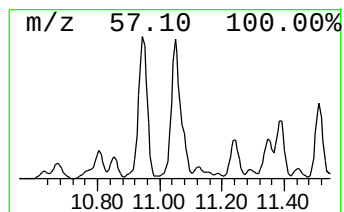
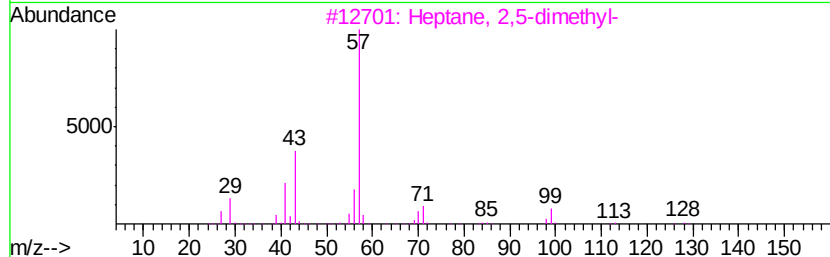
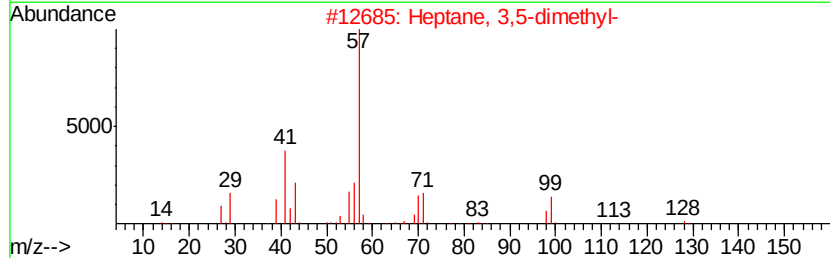
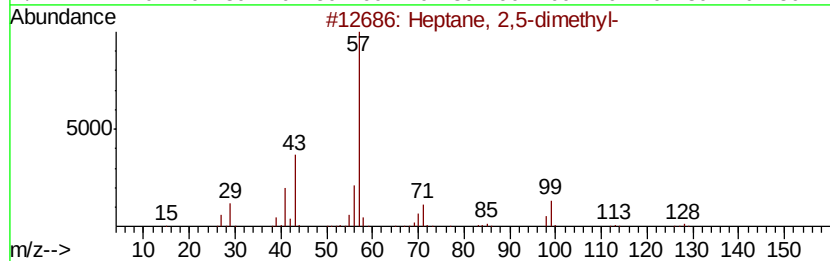
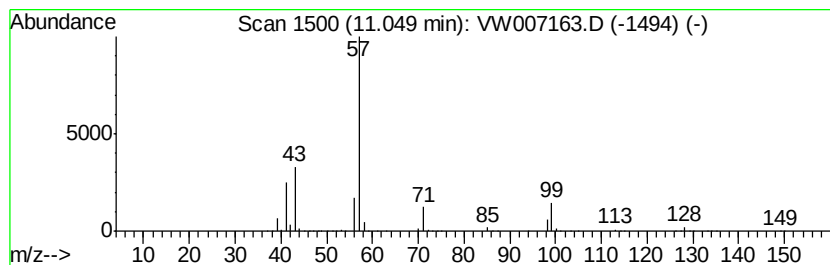
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Quant Title : VOC Analysis

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

Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.05	63.41 ug/L	7463280	Chlorobenzene-d5	11.63

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	87
2			Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	86
3			Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	78
4			Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	72
5			Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

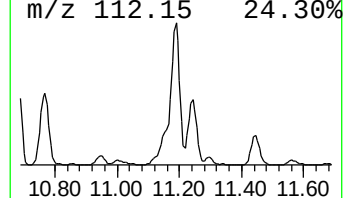
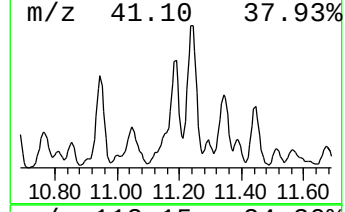
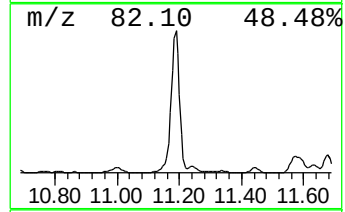
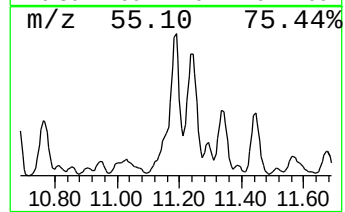
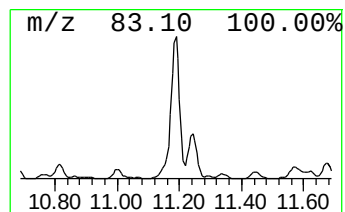
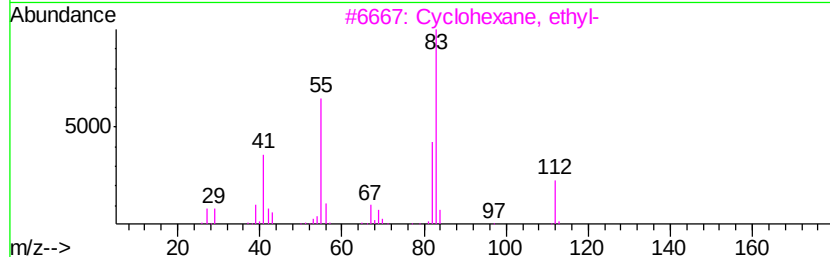
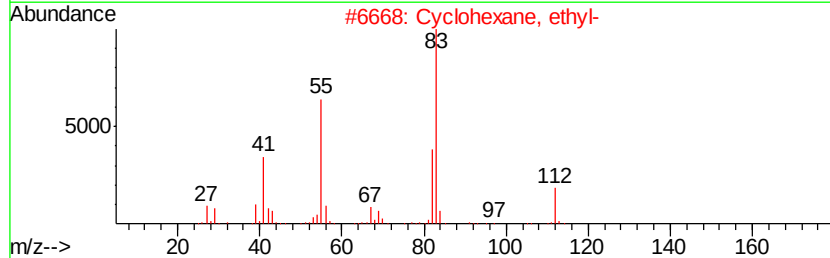
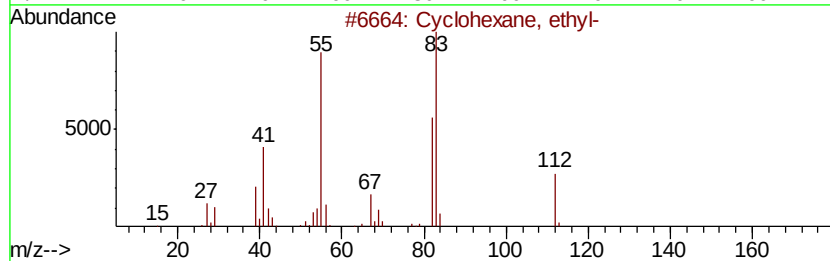
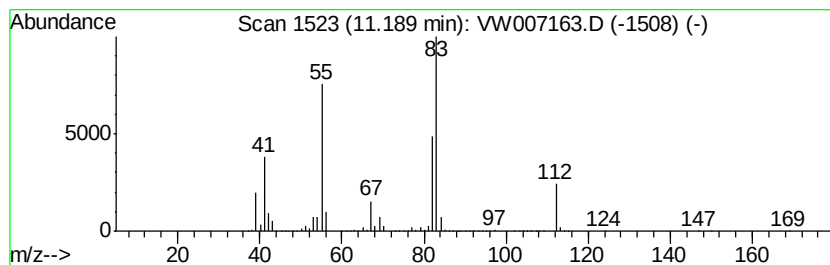
Instrument :
MSVOA_W
ClientSampleId :
F9Y04

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 30 (DEL) Alkane: Cyclic11.19 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.19	215.21 ug/L	25331300	Chlorobenzene-d5	11.63	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	97
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	94
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
5	2-Hexene, 2,4-dimethyl-	112	C8H16	014255-23-3	76



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

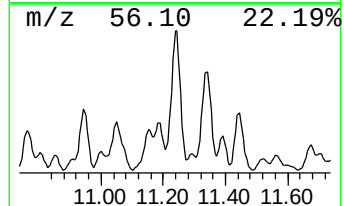
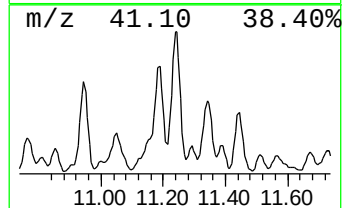
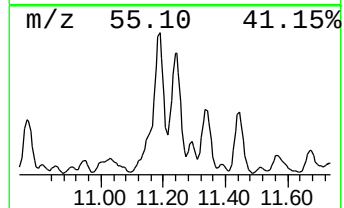
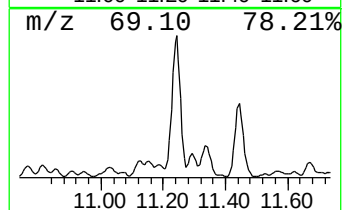
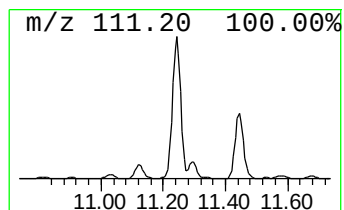
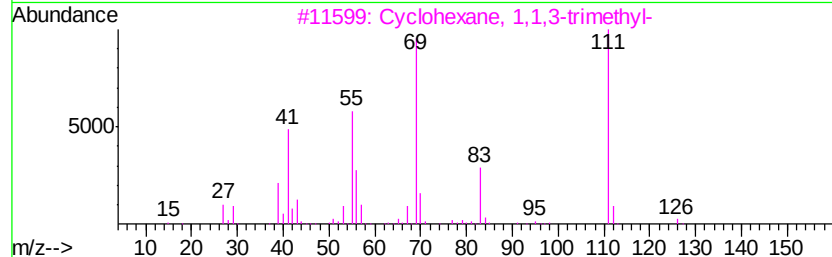
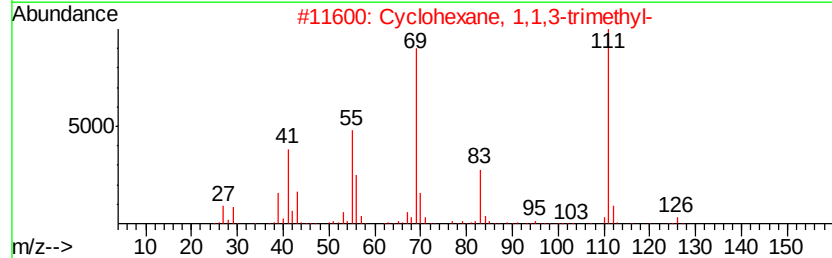
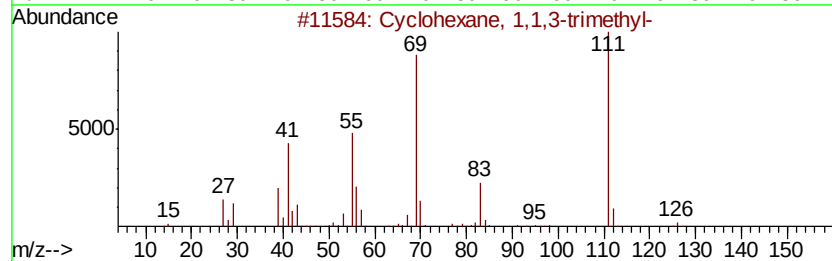
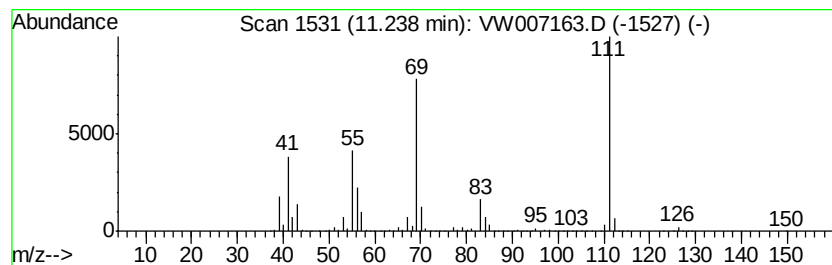
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ClientSampleId :
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Quant Title : VOC Analysis

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

Peak Number 31 (DEL) Alkane: Cyclic11.24 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.24	199.58 ug/L	23491400	Chlorobenzene-d5	11.63	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	95
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	81
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, 1,3,5-trimethyl-, (...)	126	C9H18	001795-26-2	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

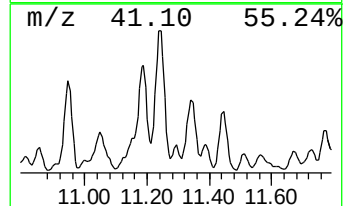
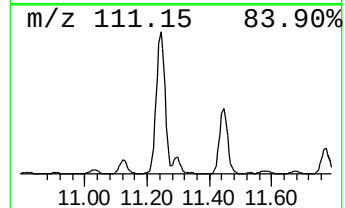
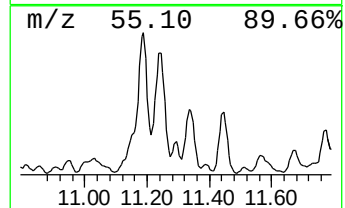
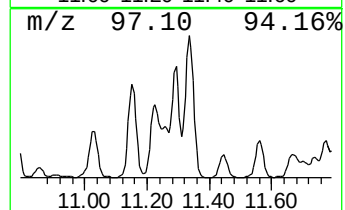
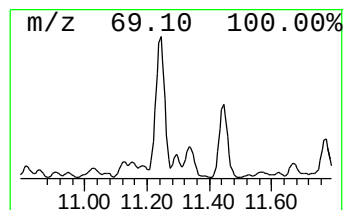
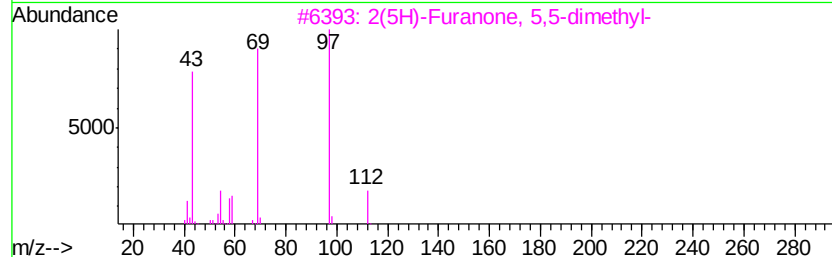
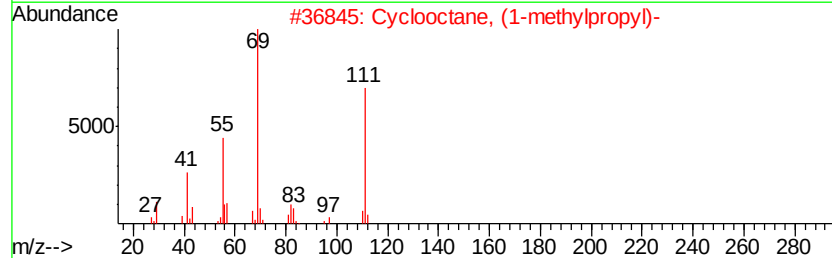
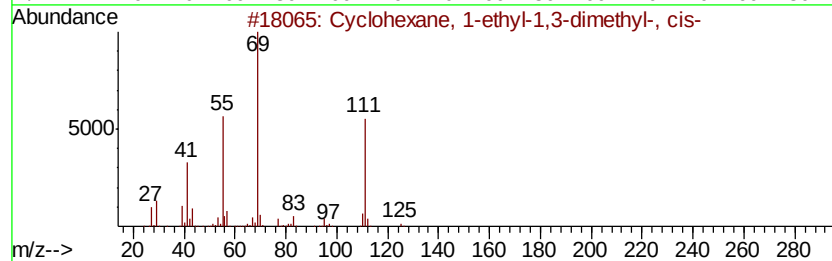
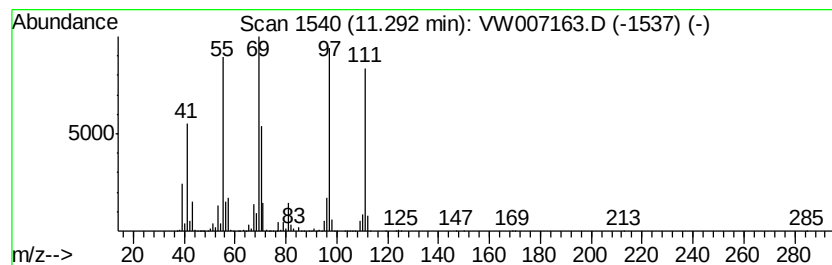
Instrument :
MSVOA_W
ClientSampleId :
F9Y04

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 32 (DEL) Alkane: Cyclic11.29 Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.29	14.58 ug/L	1716320	Chlorobenzene-d5	11.63		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1-ethyl-1,3-dimethyl...	140	C10H20	062238-31-7	47
2		Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	47
3		2(5H)-Furanone, 5,5-dimethyl-	112	C6H8O2	020019-64-1	43
4		Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	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 : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9Y04

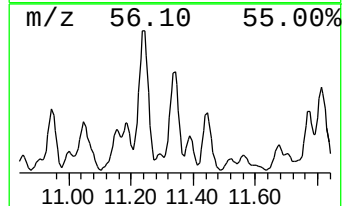
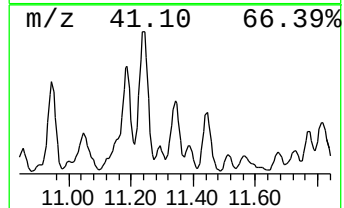
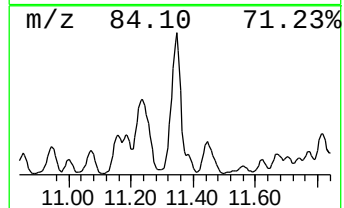
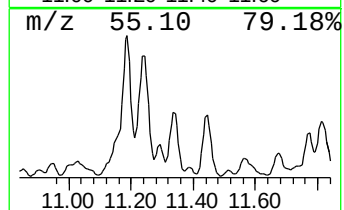
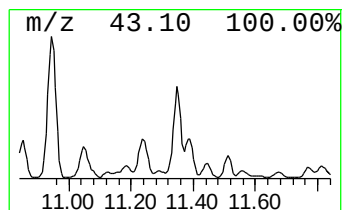
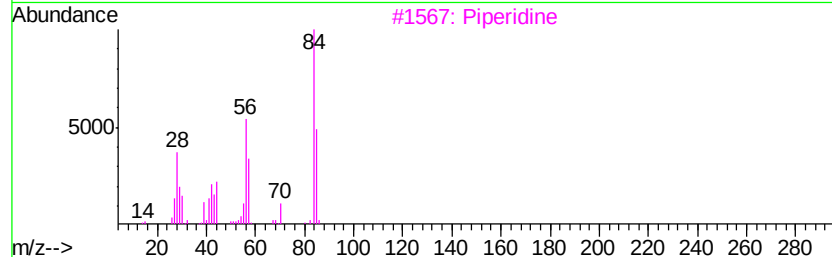
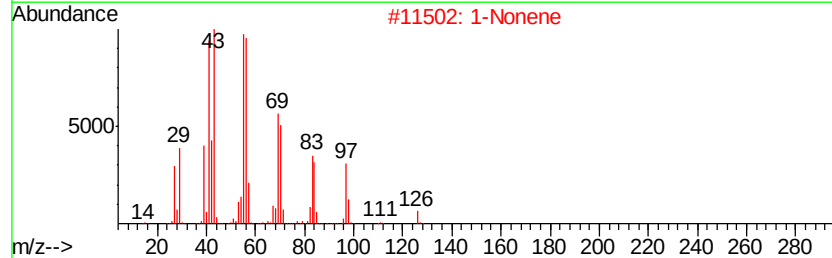
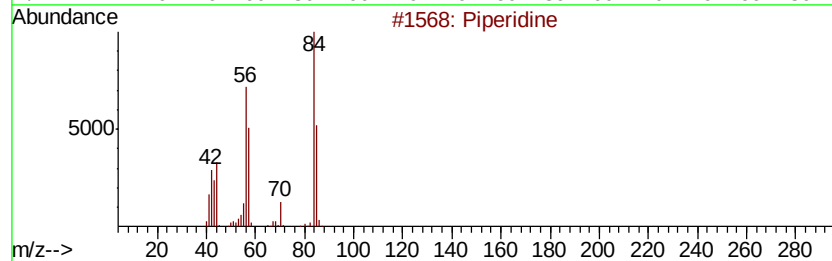
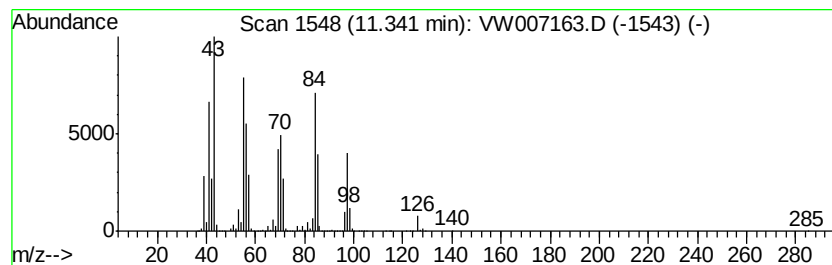
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Quant Title : VOC Analysis

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

Peak Number 33 unknown-01 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.34	85.40 ug/L	10051600	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Piperidine	85	C5H11N	000110-89-4	43
2		1-Nonene	126	C9H18	000124-11-8	41
3		Piperidine	85	C5H11N	000110-89-4	38
4		3-Pentenoic acid, 4-methyl-	114	C6H10O2	000504-85-8	35
5		Isopropylcyclobutane	98	C7H14	000872-56-0	30



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9Y04

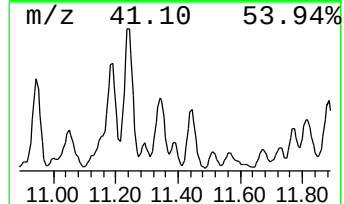
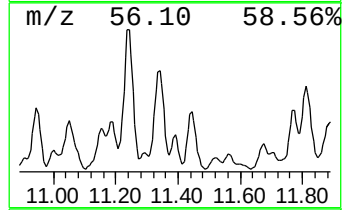
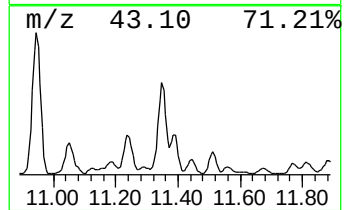
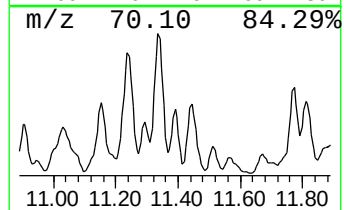
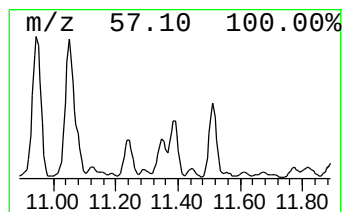
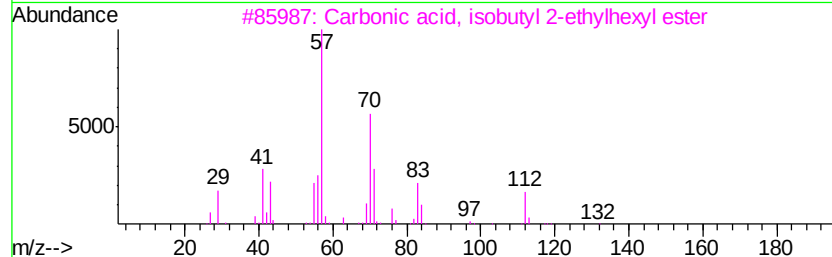
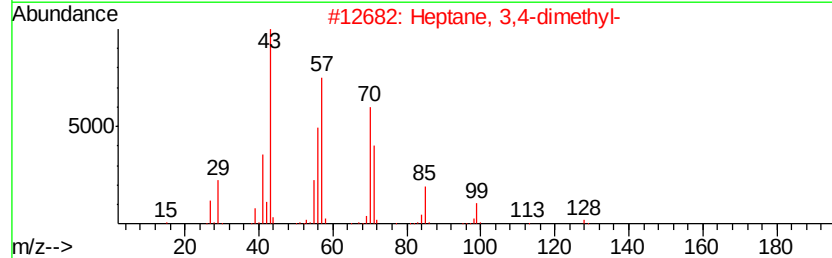
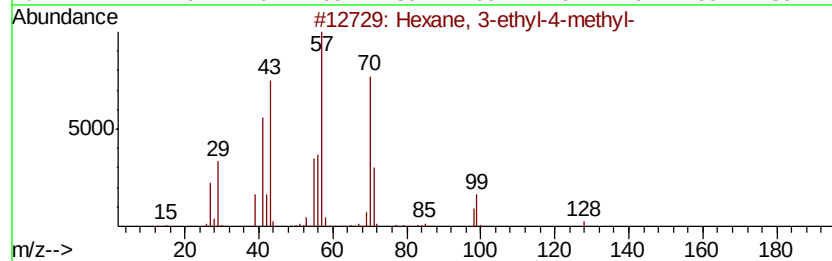
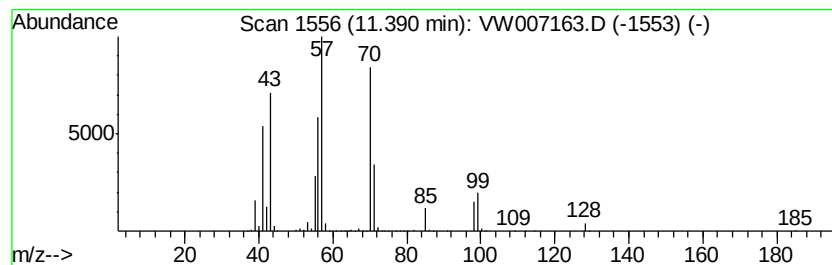
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Quant Title : VOC Analysis

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

Peak Number 34 (DEL) Alkane: Straight-Chai... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.39	23.67 ug/L	2785880	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexane, 3-ethyl-4-methyl-	128	C9H20	003074-77-9	72
2		Heptane, 3,4-dimethyl-	128	C9H20	000922-28-1	59
3		Carbonic acid, isobutyl 2-ethylh...	230	C13H26O3	1000357-82-9	50
4		Hexane, 3-ethyl-4-methyl-	128	C9H20	003074-77-9	47
5		Isopentyl hexanoate	186	C11H22O2	002198-61-0	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

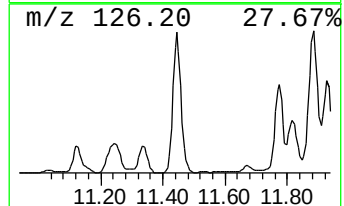
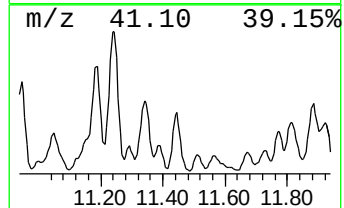
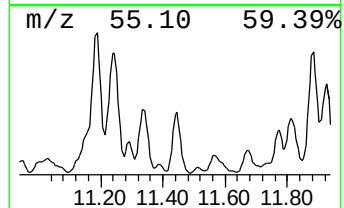
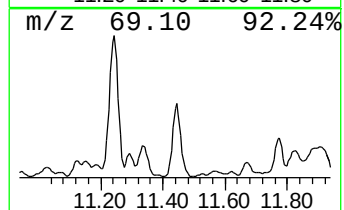
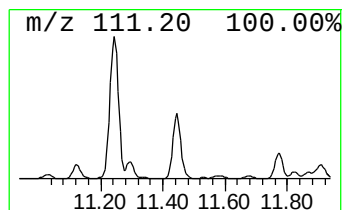
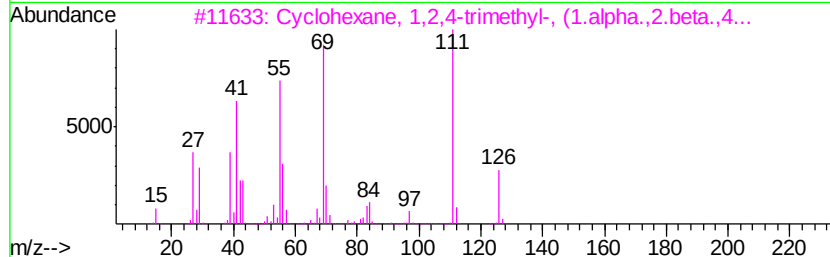
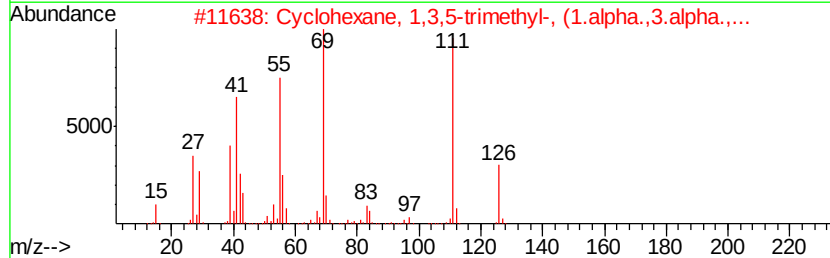
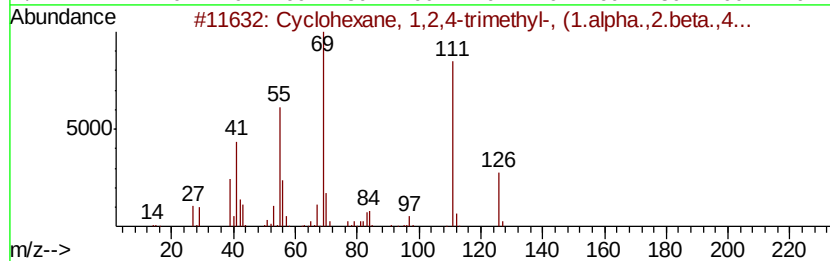
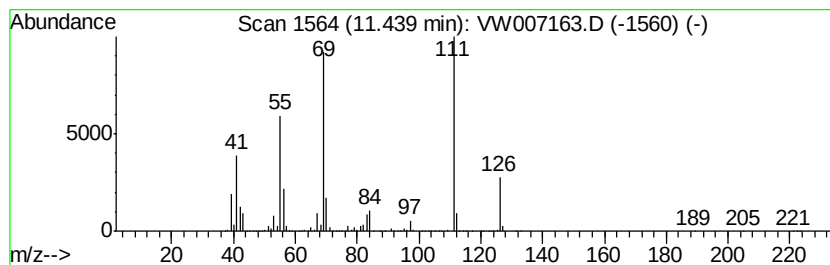
Instrument :
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

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

Peak Number 35 (DEL) Alkane: Cyclic11.44 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.44	99.04 ug/L	11657500	Chlorobenzene-d5	11.63		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	94
2		Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	94
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 : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

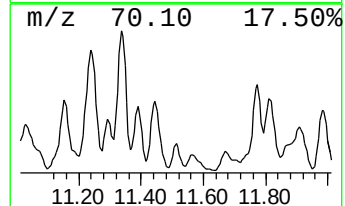
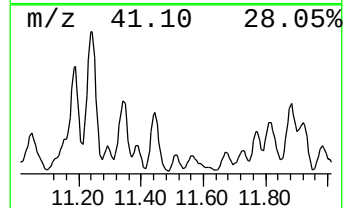
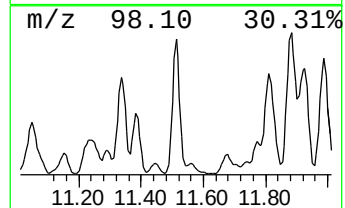
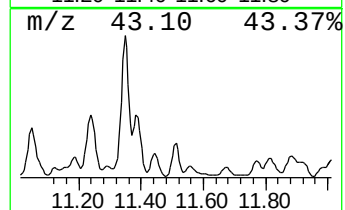
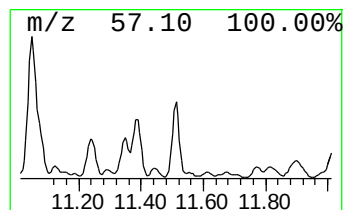
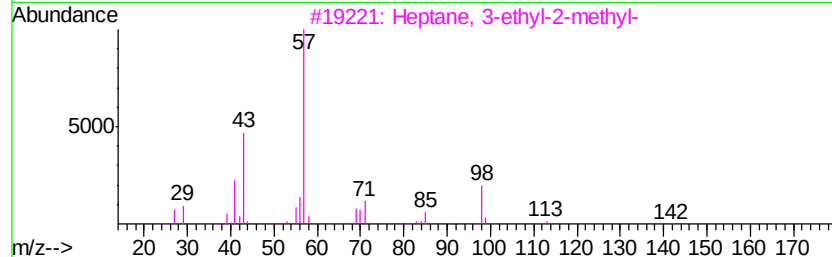
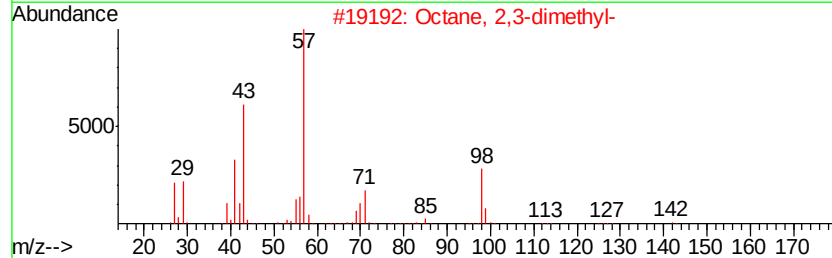
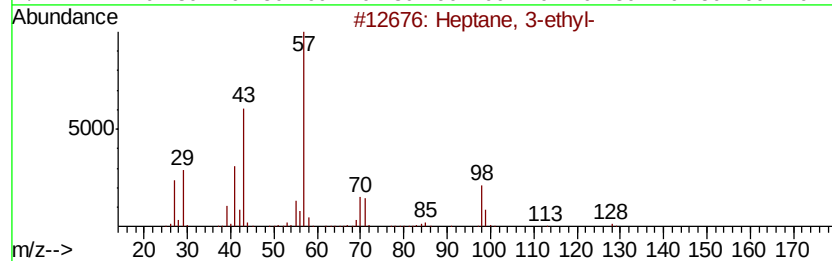
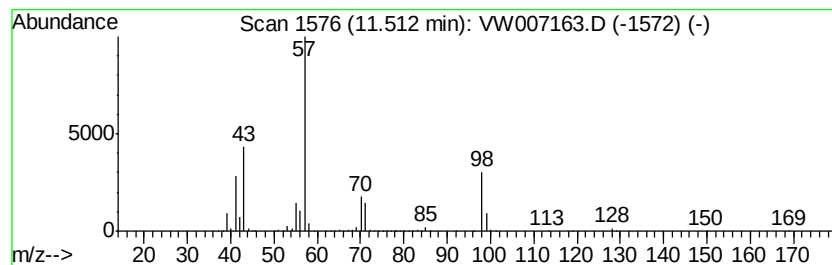
Instrument :
MSVOA_W
ClientSampleId :
F9Y04

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: Straight-Chai... Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.51	20.09 ug/L	2364570	Chlorobenzene-d5	11.63
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Heptane, 3-ethyl-	128 C9H20	015869-80-4 91
2		Octane, 2,3-dimethyl-	142 C10H22	007146-60-3 78
3		Heptane, 3-ethyl-2-methyl-	142 C10H22	014676-29-0 64
4		Heptane, 4-propyl-	142 C10H22	003178-29-8 64
5		Heptane, 2,3,5-trimethyl-	142 C10H22	020278-85-7 59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

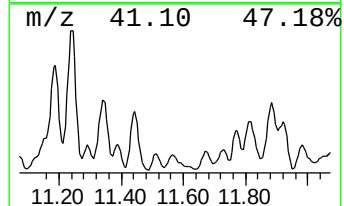
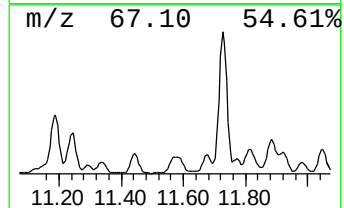
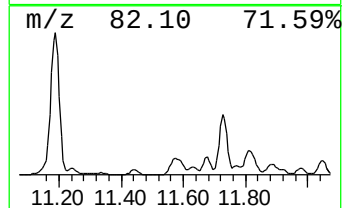
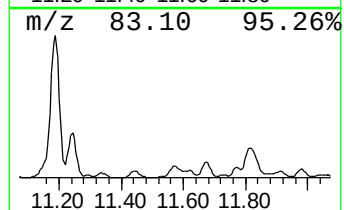
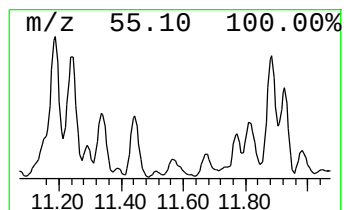
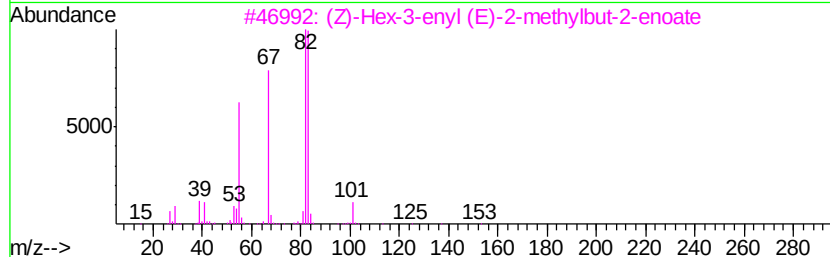
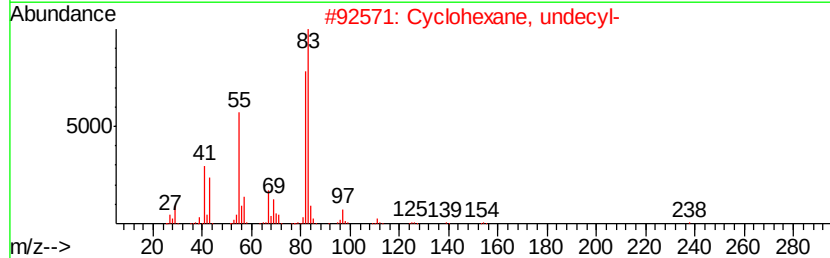
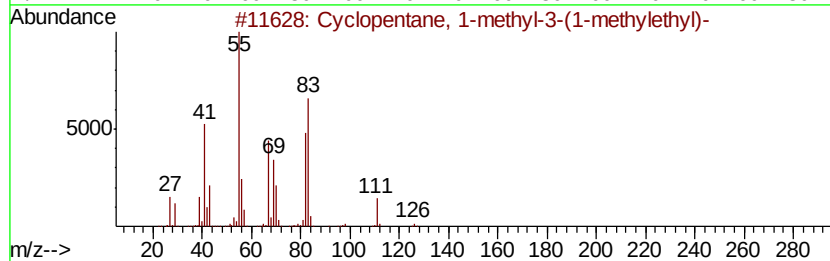
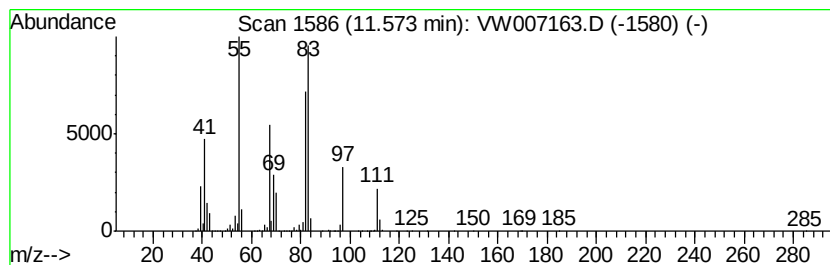
Instrument :
MSVOA_W
ClientSampleId :
F9Y04

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 37 (DEL) Alkane: Cyclic11.57 Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.57	21.34 ug/L	2512030	Chlorobenzene-d5	11.63		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclopentane, 1-methyl-3-(1-meth...	126	C9H18	053771-88-3	64
2		Cyclohexane, undecyl-	238	C17H34	054105-66-7	50
3		(Z)-Hex-3-enyl (E)-2-methylbut-2...	182	C11H18O2	1000373-73-0	47
4		Cyclohexane, ethyl-	112	C8H16	001678-91-7	47
5		(E)-Hex-3-enyl (E)-2-methylbut-2...	182	C11H18O2	1000373-74-1	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
F9Y04

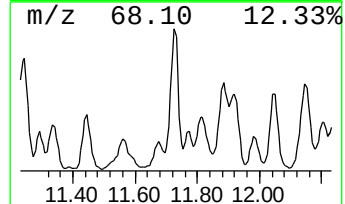
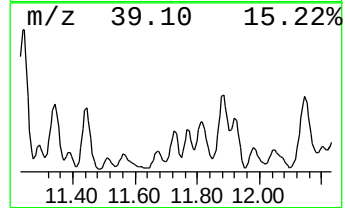
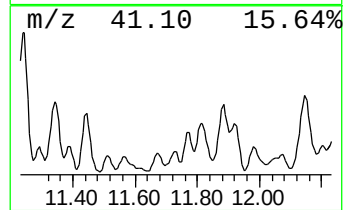
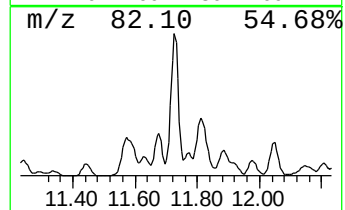
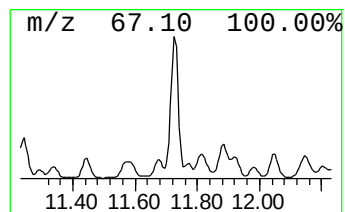
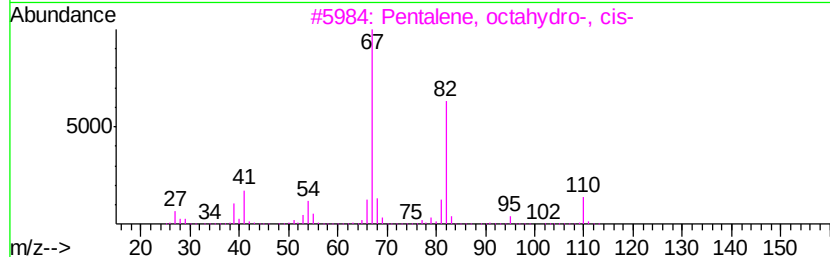
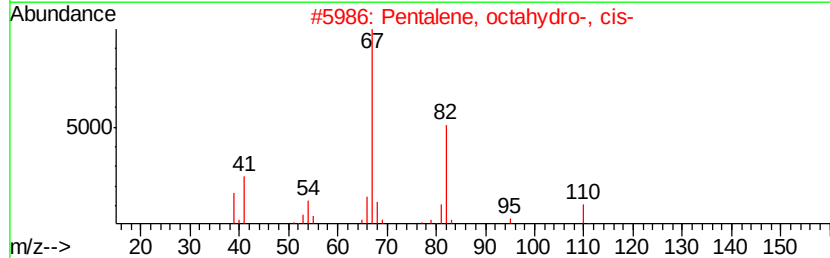
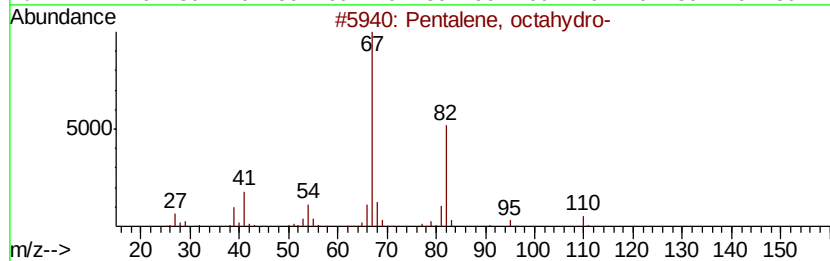
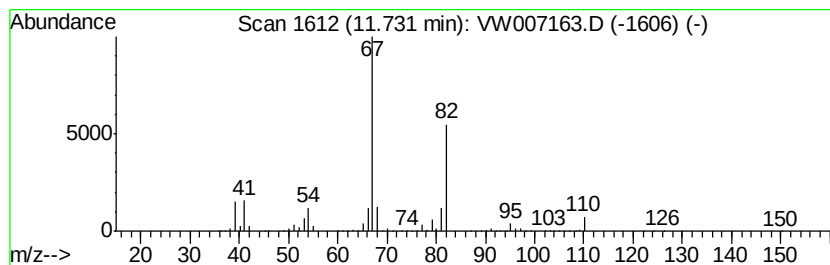
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Quant Title : VOC Analysis

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

Peak Number 38 Pentalene, octahydro- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	31.36 ug/L	3691390	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	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		Pentalene, octahydro-, cis-	110	C8H14	001755-05-1	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
F9Y04

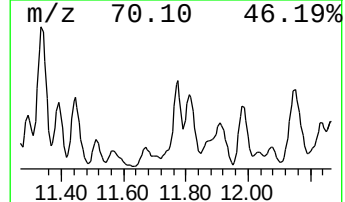
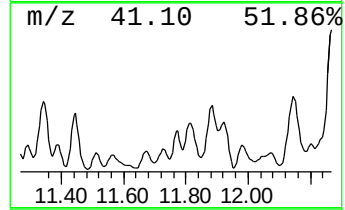
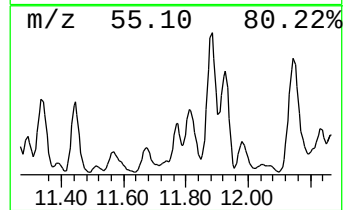
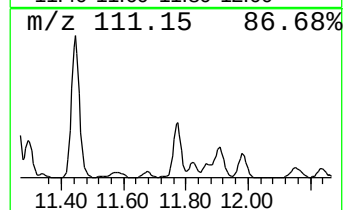
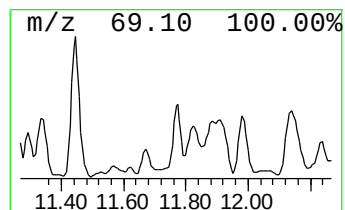
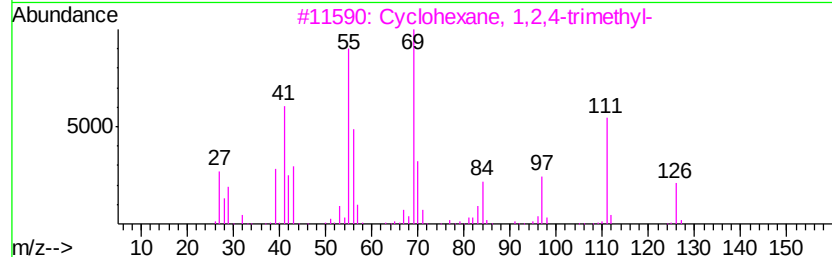
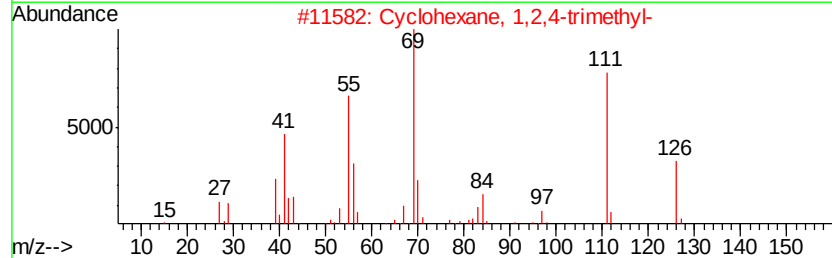
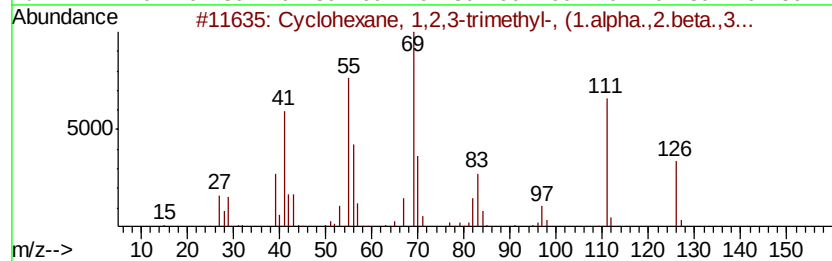
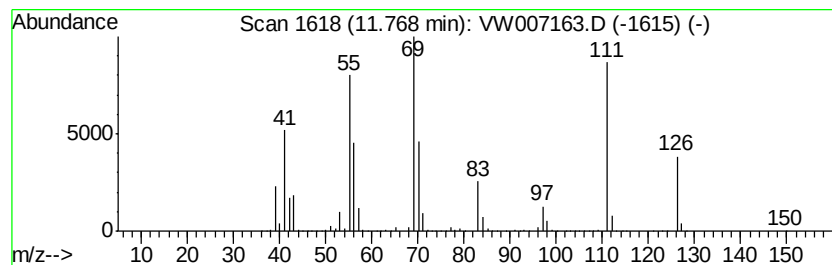
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Quant Title : VOC Analysis

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

Peak Number 39 (DEL) Alkane: Cyclic11.77 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	39.17 ug/L	4610500	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	93
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	87
5		Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	74



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

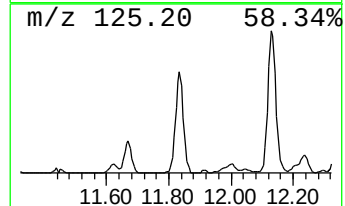
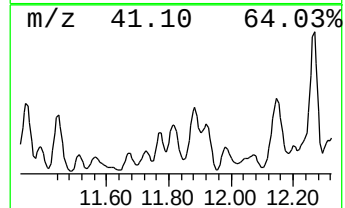
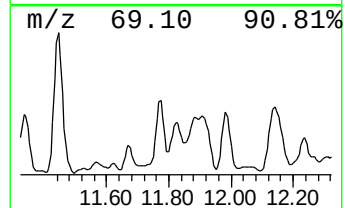
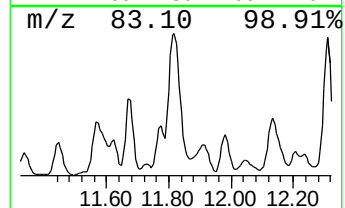
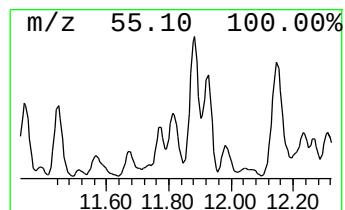
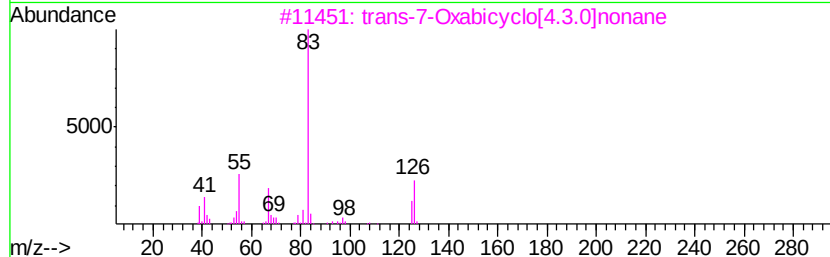
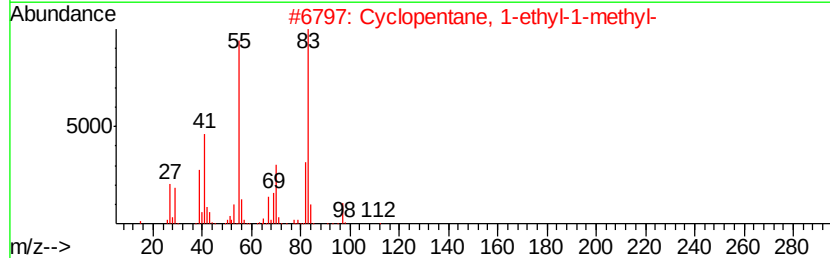
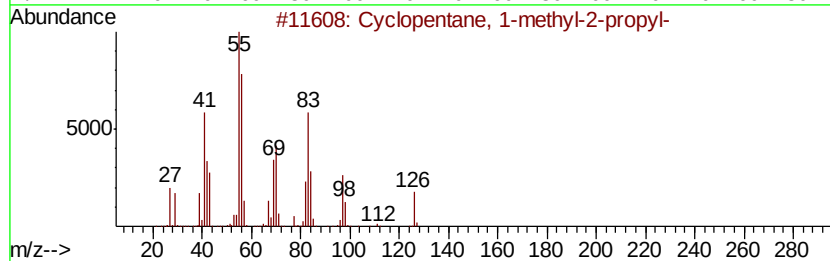
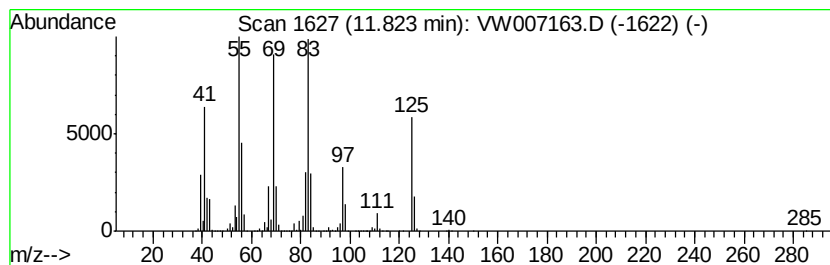
Instrument :
MSVOA_W
ClientSampleId :
F9Y04

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 40 (DEL) Alkane: Cyclic11.82 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.82	53.52 ug/L	6299400	Chlorobenzene-d5	11.63		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclopentane, 1-methyl-2-propyl-	126	C9H18	003728-57-2	72
2		Cyclopentane, 1-ethyl-1-methyl-	112	C8H16	016747-50-5	46
3		trans-7-Oxabicyclo[4.3.0]nonane	126	C8H14O	027345-70-6	38
4		Cycloheptanone, 4-methyl-, (R)-	126	C8H14O	013609-59-1	38
5		1-Hexene, 3-methyl-	98	C7H14	003404-61-3	35



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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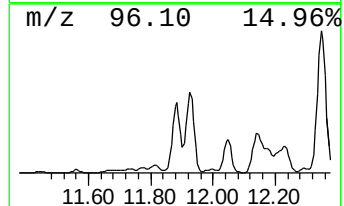
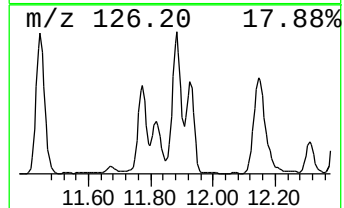
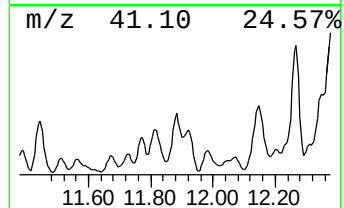
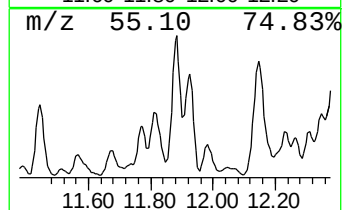
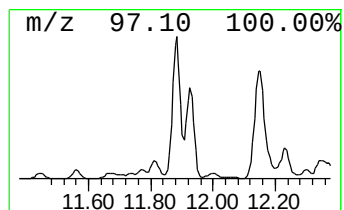
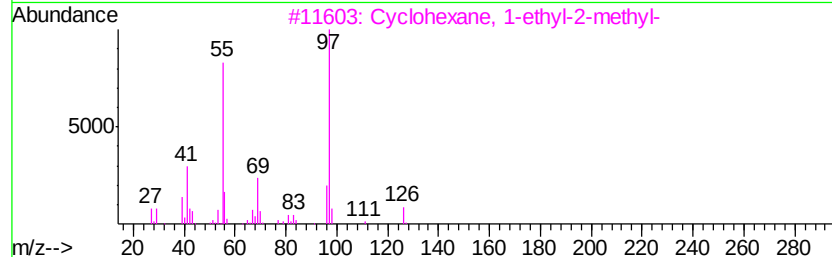
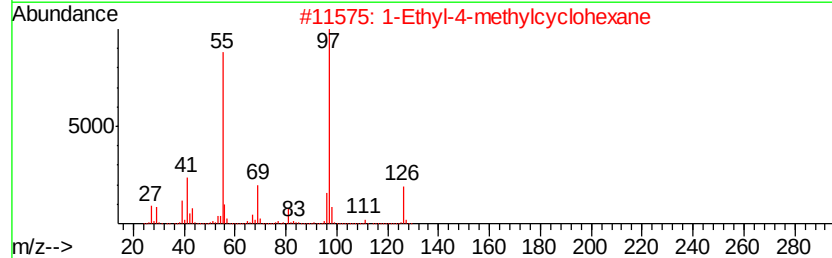
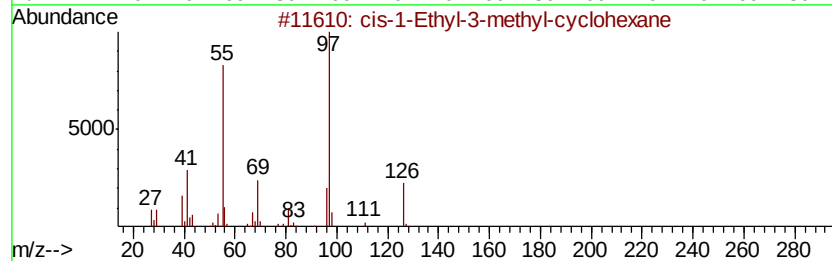
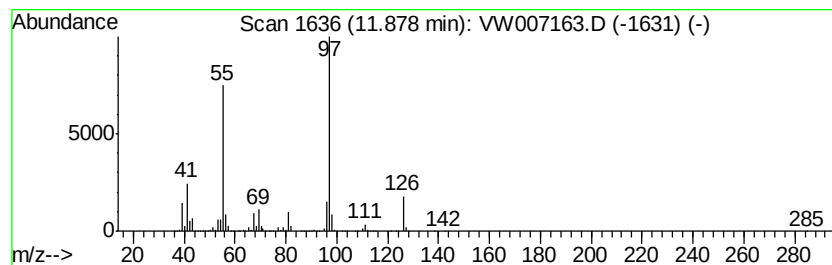
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Quant Title : VOC Analysis

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

Peak Number 41 (DEL) Alkane: Cyclic11.88 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	98.80 ug/L	11629000	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	90
2		1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	87
3		Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	87
4		1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	83
5		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	80



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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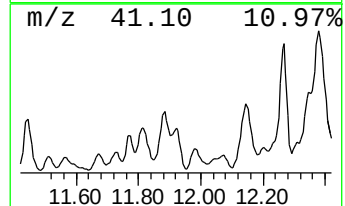
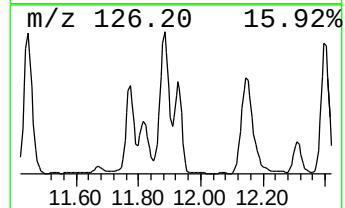
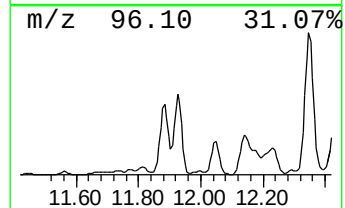
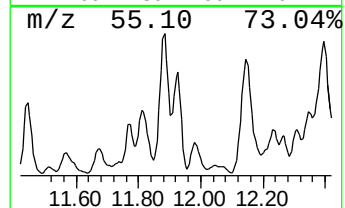
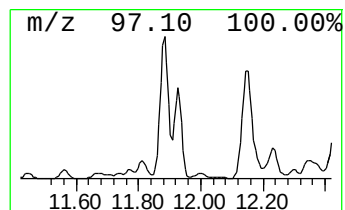
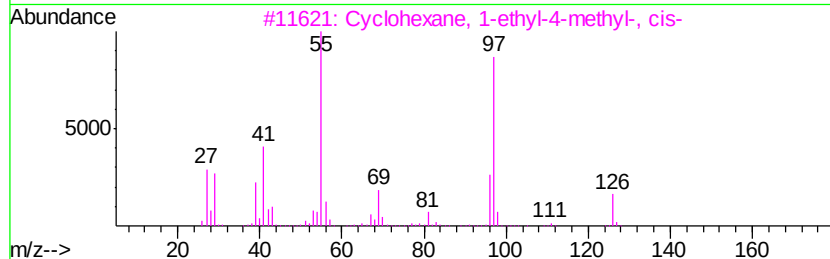
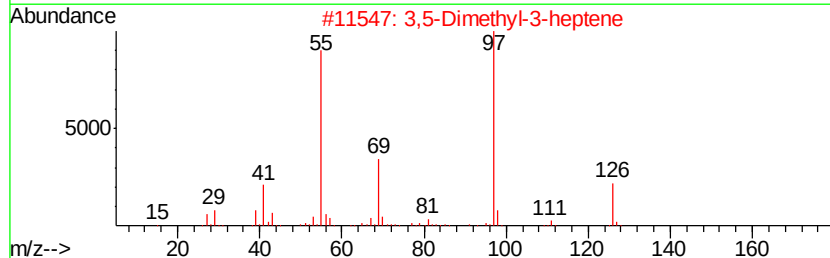
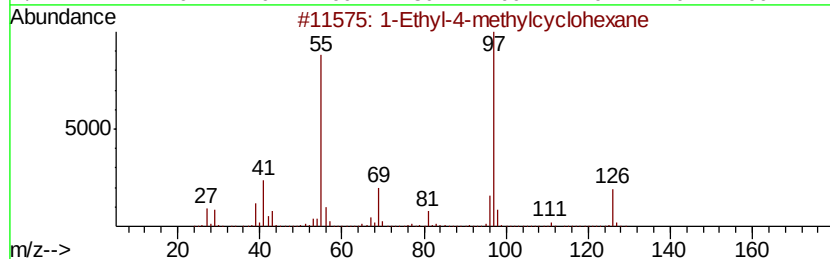
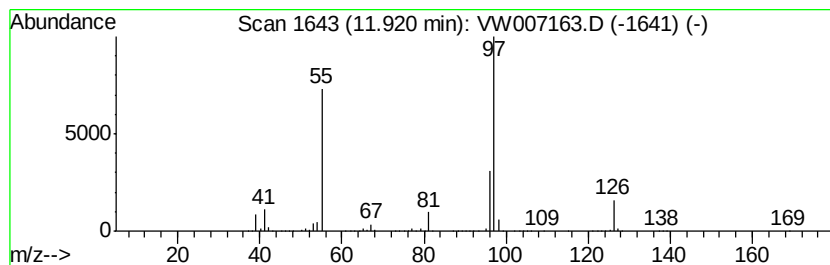
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Quant Title : VOC Analysis

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

Peak Number 42 (DEL) Alkane: Cyclic11.92 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	70.17 ug/L	8259970	Chlorobenzene-d5	11.63

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	87
2			3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	64
3			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	58
4			cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	56
5			4-Octen-3-one	126	C8H14O	014129-48-7	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9Y04

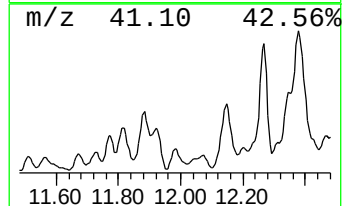
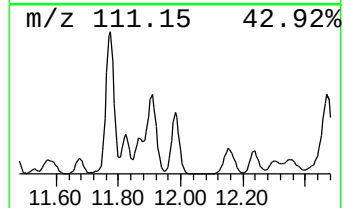
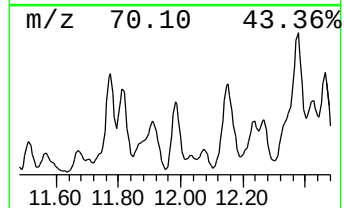
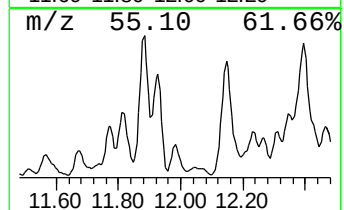
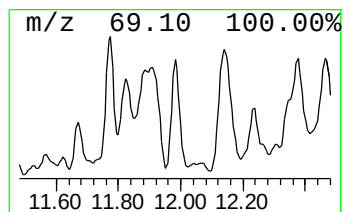
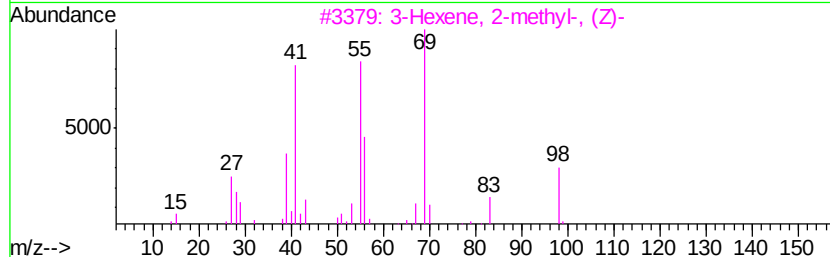
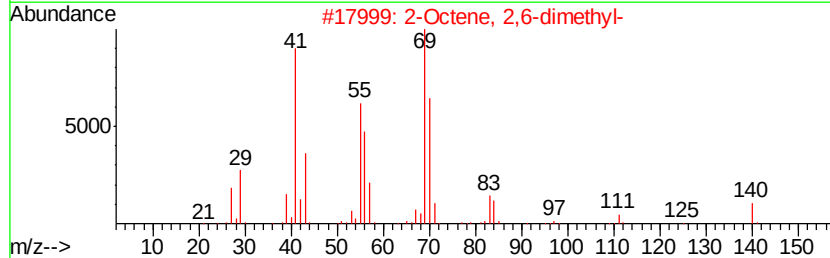
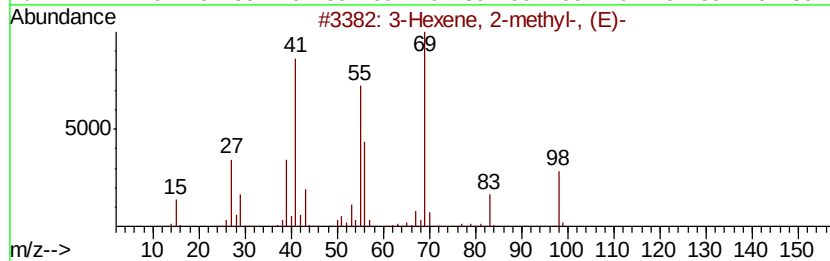
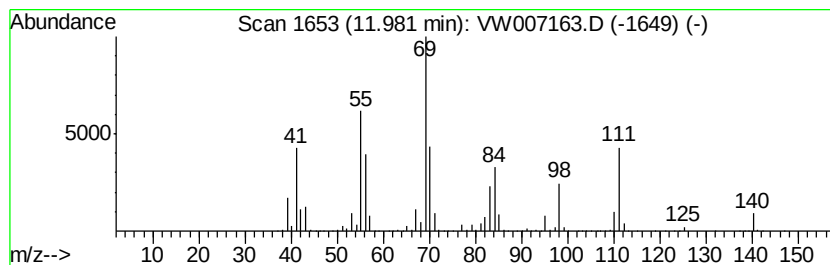
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Quant Title : VOC Analysis

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

Peak Number 43 (DEL) Alkane: Cyclic11.98 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	46.59 ug/L	5483760	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Hexene, 2-methyl-, (E)-	98	C7H14	000692-24-0	49
2		2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	46
3		3-Hexene, 2-methyl-, (Z)-	98	C7H14	015840-60-5	46
4		3-Hexene, 3-methyl-, (E)-	98	C7H14	003899-36-3	38
5		4-Methyl-2-hexene,c&t	98	C7H14	003404-55-5	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9Y04

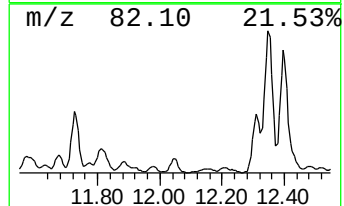
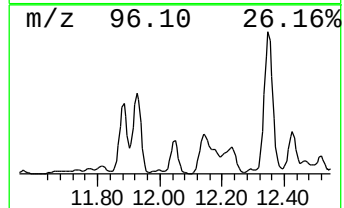
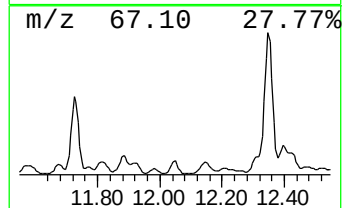
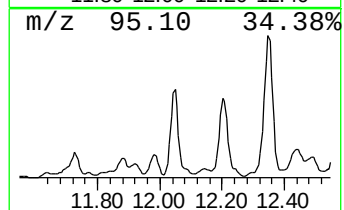
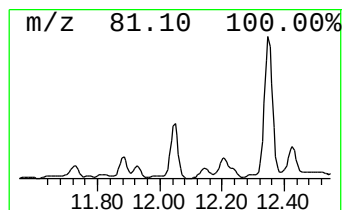
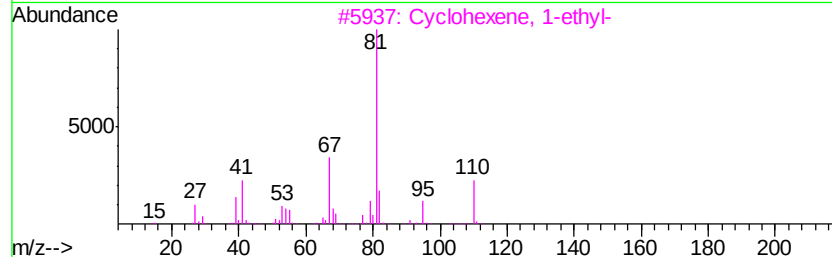
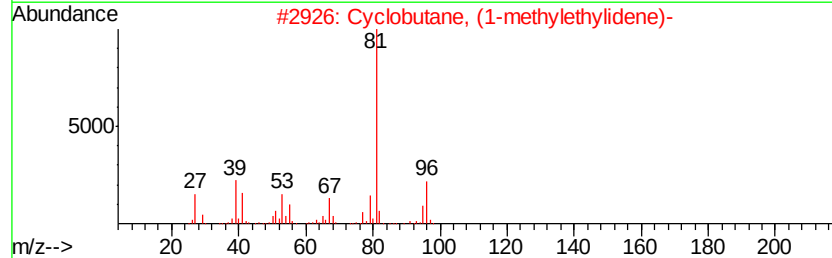
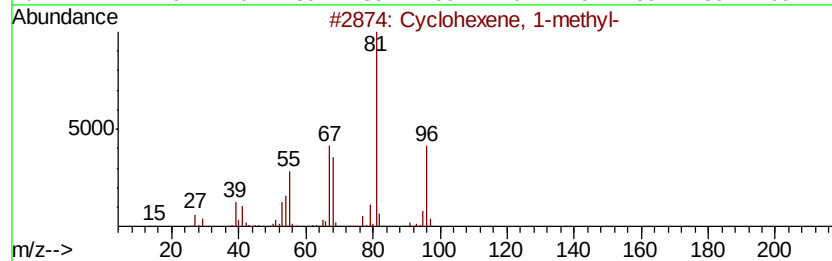
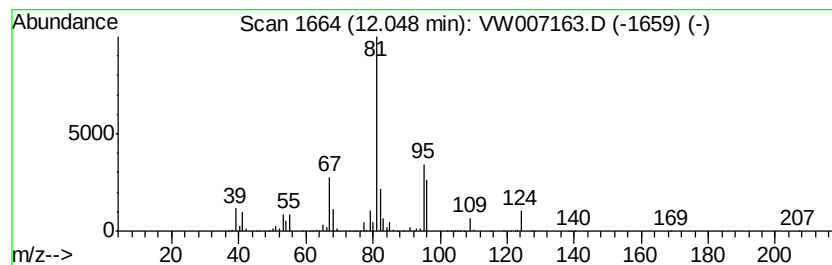
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Quant Title : VOC Analysis

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

Peak Number 44 Cyclohexene, 1-methyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	44.29 ug/L	5213460	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	58
2		Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	50
3		Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	50
4		Cyclopentane, 1-methyl-2-methylene-	96	C7H12	041158-41-2	50
5		Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
F9Y04

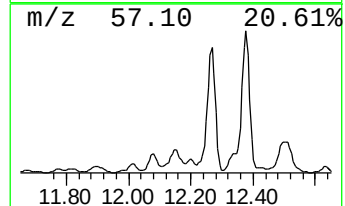
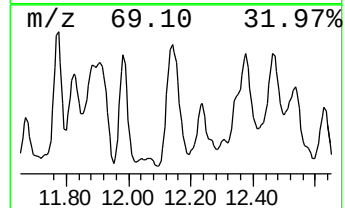
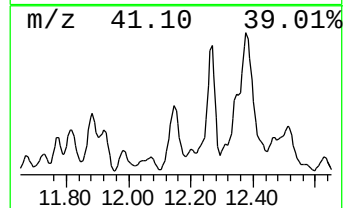
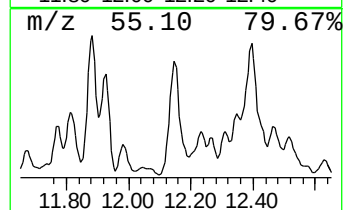
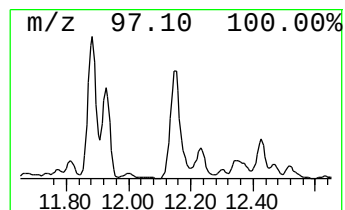
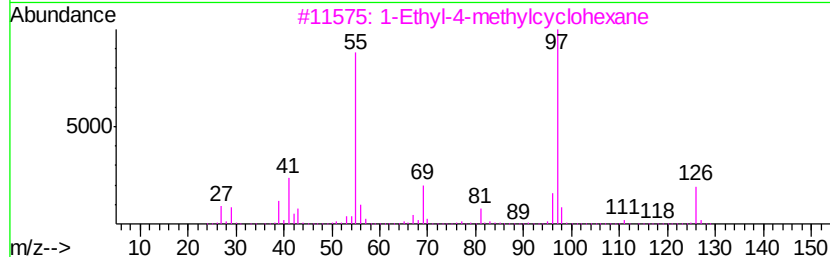
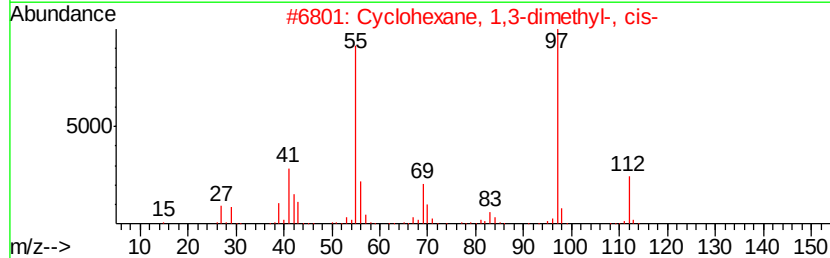
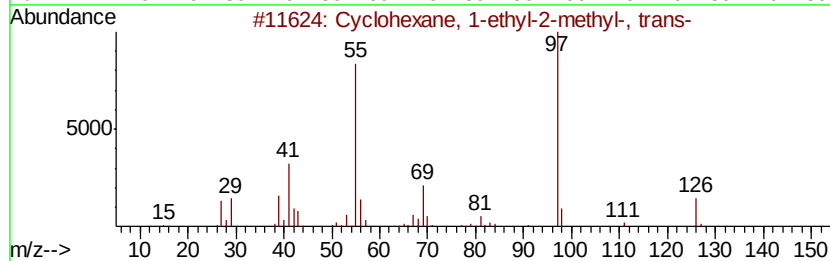
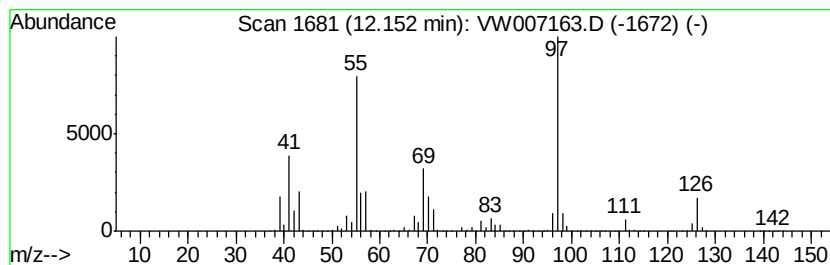
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Quant Title : VOC Analysis

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

Peak Number 45 (DEL) Alkane: Cyclic12.15 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	162.92 ug/L	19177000	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	87
2		Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	64
3		1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	64
4		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	64
5		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

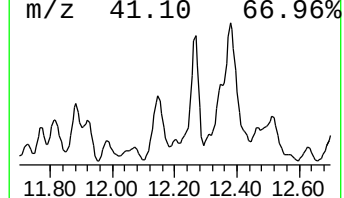
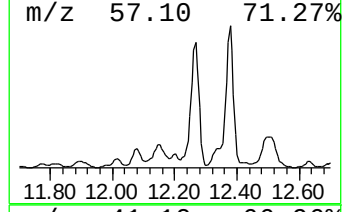
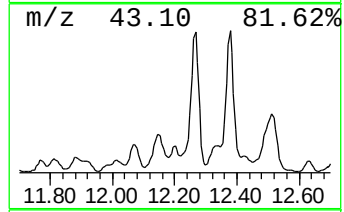
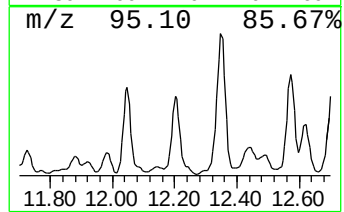
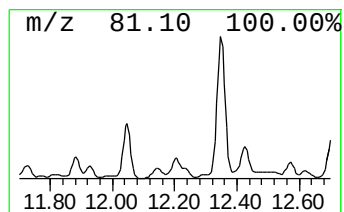
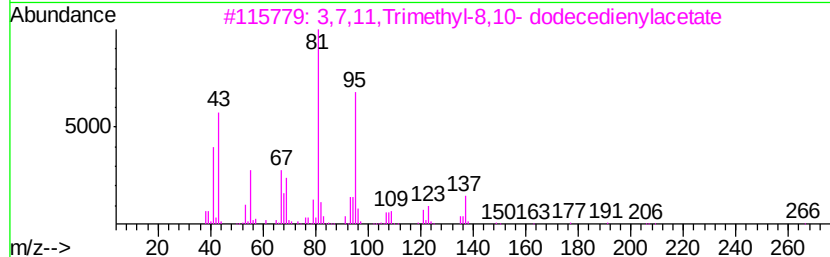
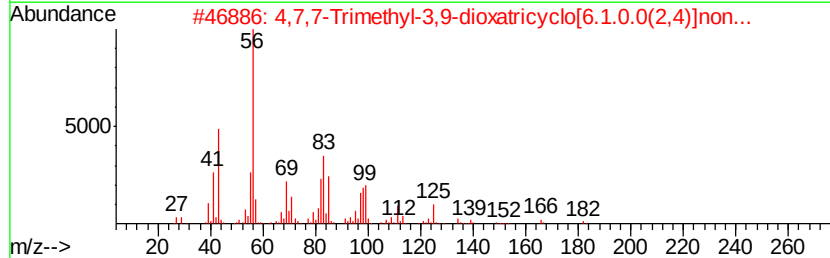
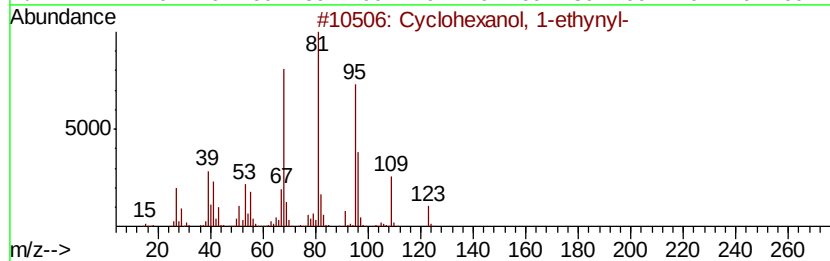
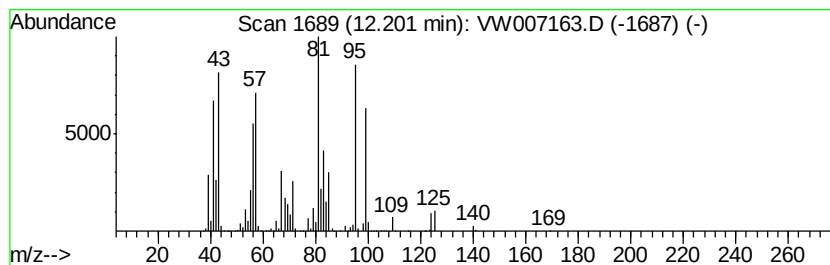
Instrument :
MSVOA_W
ClientSampleId :
F9Y04

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 46 unknown-02 Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.20	7.12 ug/L	838070	Chlorobenzene-d5	11.63		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexanol, 1-ethynyl-	124	C8H12O	000078-27-3	38
2		4,7,7-Trimethyl-3,9-dioxatricycl...	182	C10H14O3	1000187-22-5	35
3		3,7,11-Trimethyl-8,10- dodecedie...	266	C17H30O2	1000374-10-3	35
4		1-Octyne	110	C8H14	000629-05-0	27
5		Furan, tetrahydro-2,2-dimethyl-5...	142	C9H18O	097265-00-4	27



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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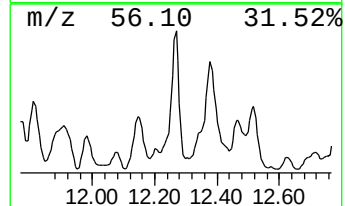
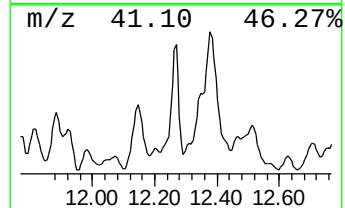
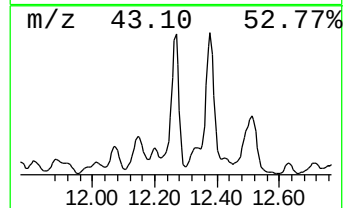
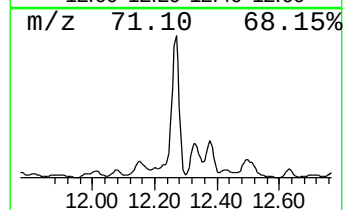
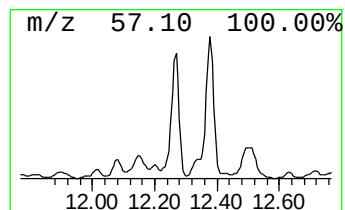
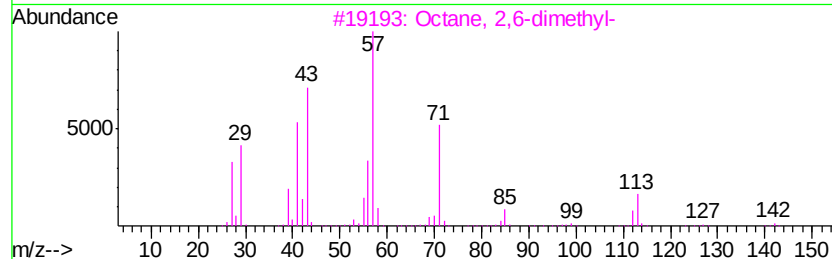
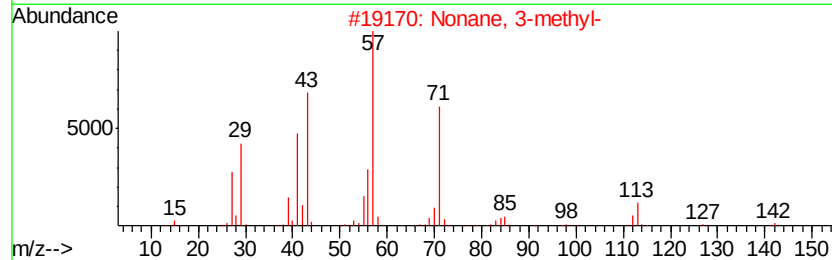
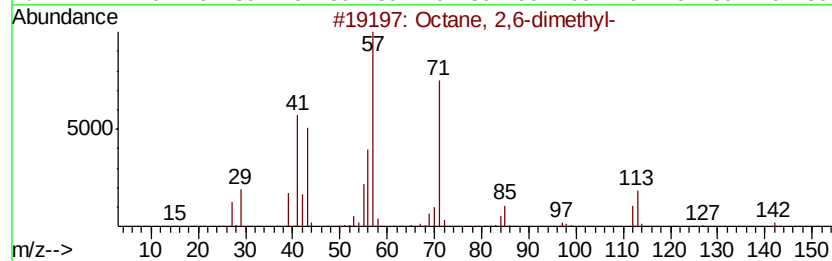
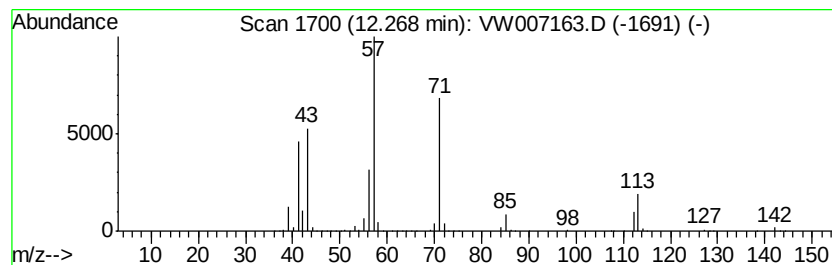
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Quant Title : VOC Analysis

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

Peak Number 47 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	138.04 ug/L	16248500	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, 2,6-dimethyl-	142	C10H22	002051-30-1	87
4		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	86
5		Nonane, 3-methyl-	142	C10H22	005911-04-6	80



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

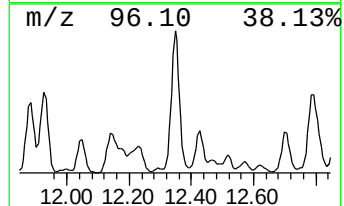
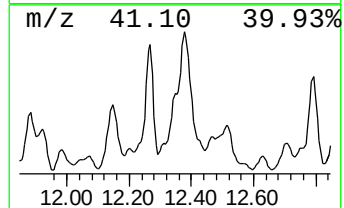
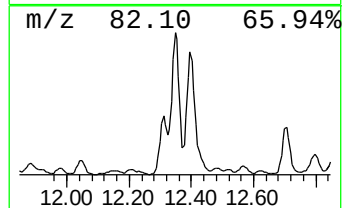
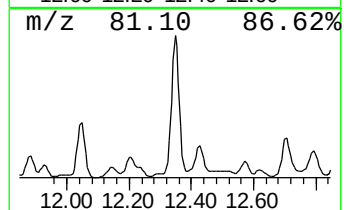
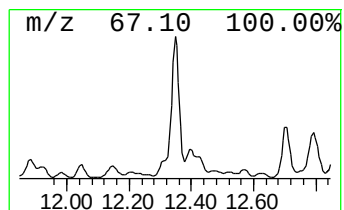
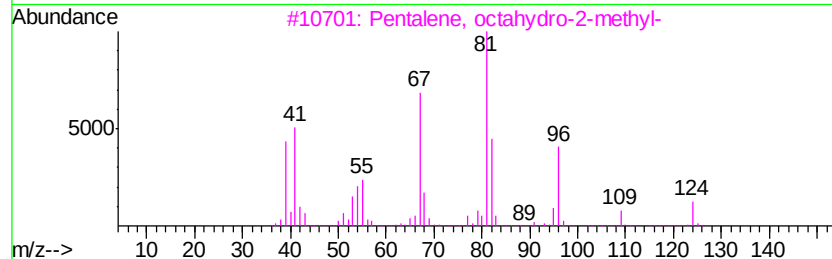
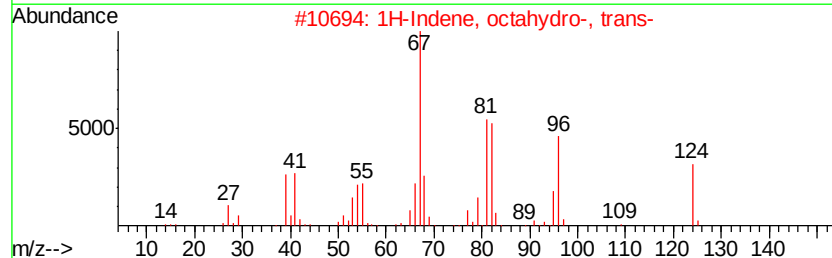
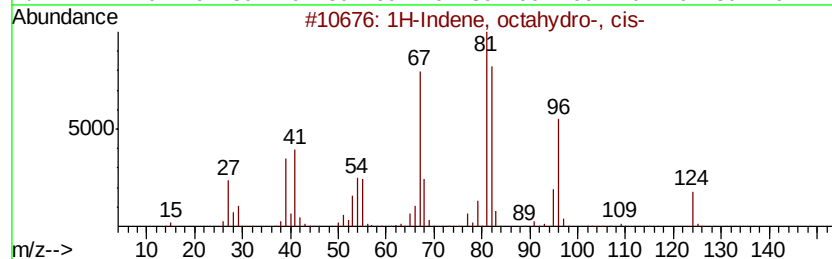
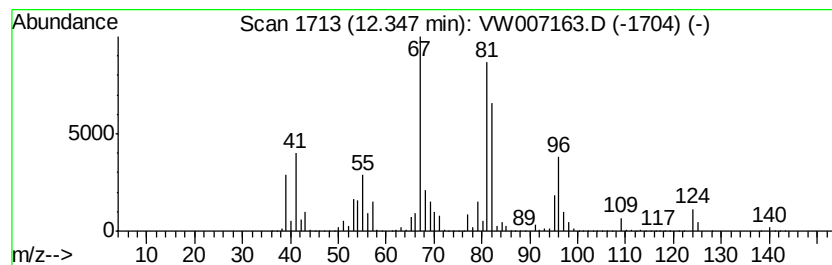
Instrument :
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ClientSampleId :
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Quant Title : VOC Analysis

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

Peak Number 48 1H-Indene, octahydro-, cis- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.35	160.23 ug/L	18860400	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	1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	62
3	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	49
4	1,1'-Bicyclopentyl	138	C10H18	001636-39-1	49
5	Bicyclo[2.2.1]heptane, 2-ethyl-	124	C9H16	002146-41-0	46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9Y04

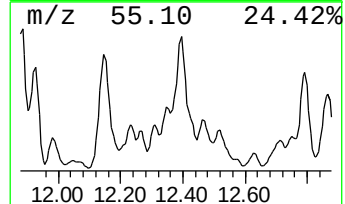
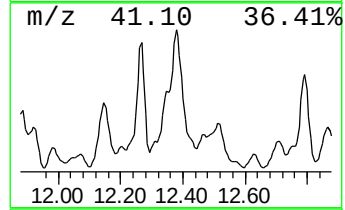
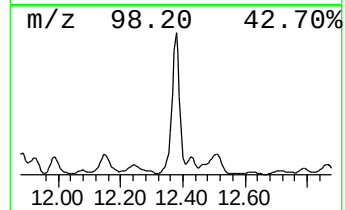
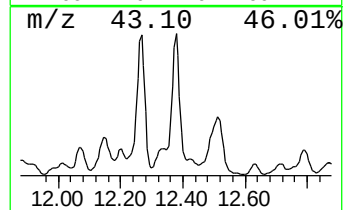
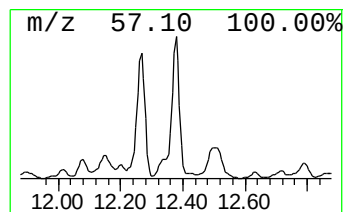
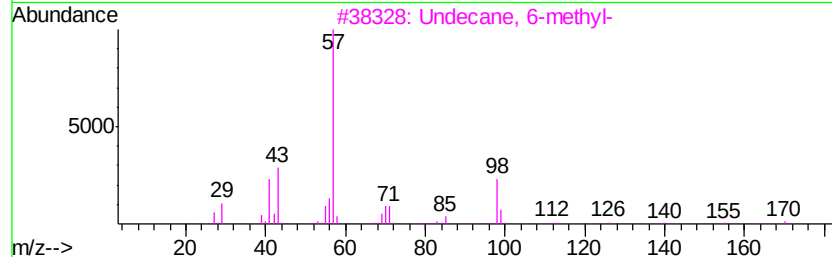
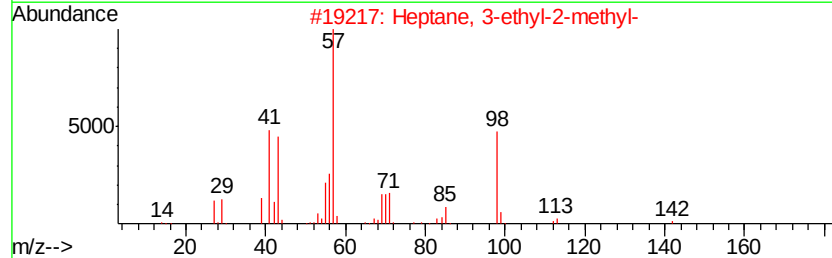
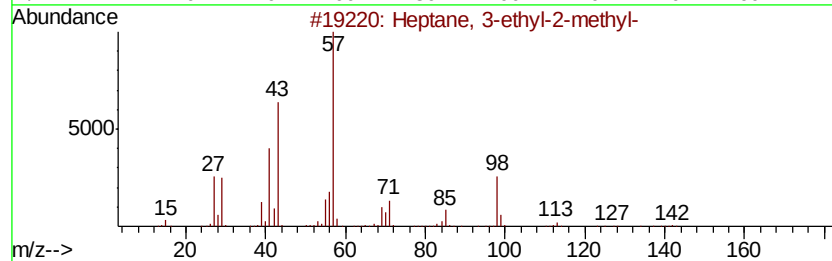
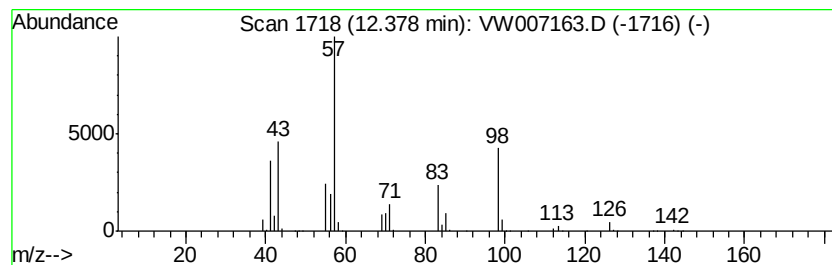
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Quant Title : VOC Analysis

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

Peak Number 49 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.38	180.99 ug/L	21303700	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	58
2		Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	53
3		Undecane, 6-methyl-	170	C12H26	017302-33-9	53
4		Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	50
5		Heptane, 4-propyl-	142	C10H22	003178-29-8	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9Y04

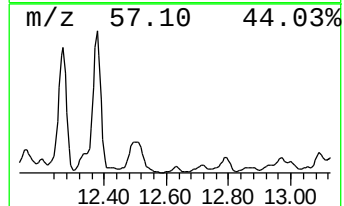
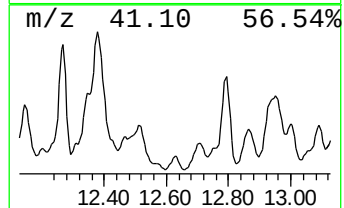
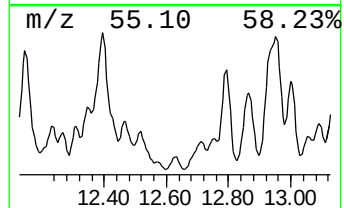
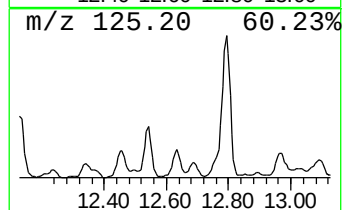
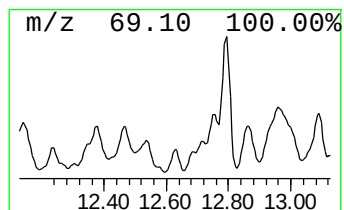
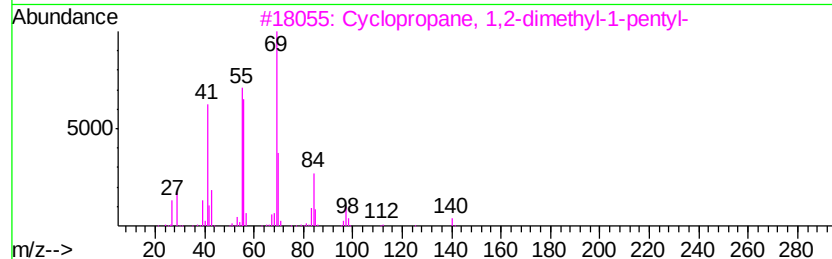
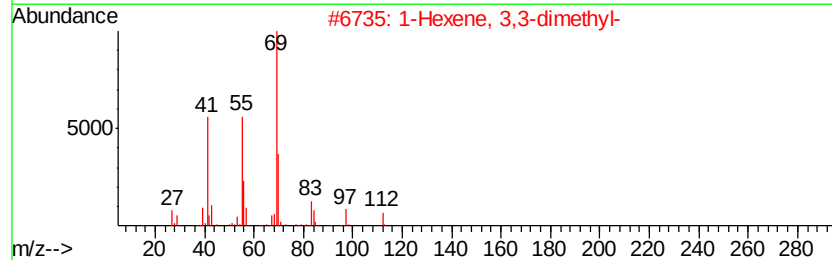
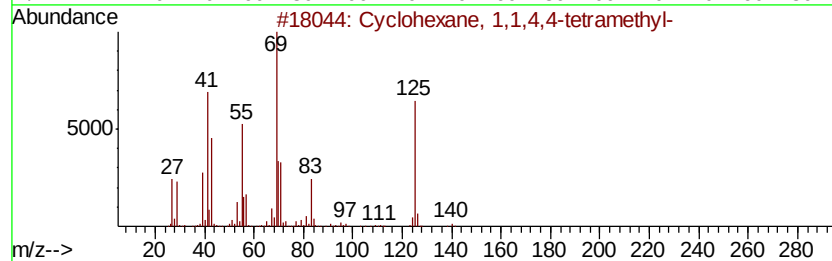
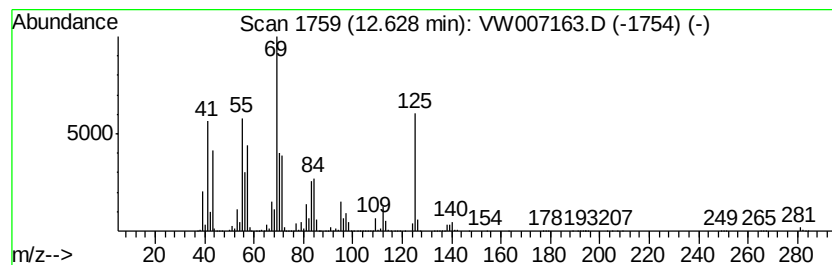
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Quant Title : VOC Analysis

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

Peak Number 51 (DEL) Alkane: Cyclic12.63 Concentration Rank 70

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	5.24 ug/L	3332130	1,4-Dichlorobenzene-d4	13.57

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	72
2			1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	53
3			Cyclopropane, 1,2-dimethyl-1-pen...	140	C10H20	062238-04-4	45
4			3-Heptene, 4-methyl-	112	C8H16	004485-16-9	43
5			2-Heptene, 4-methyl-, (E)-	112	C8H16	066225-17-0	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9Y04

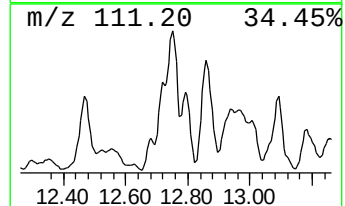
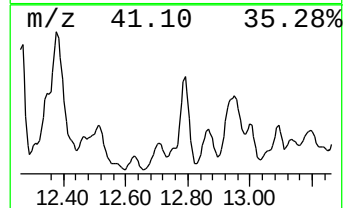
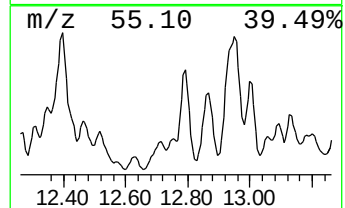
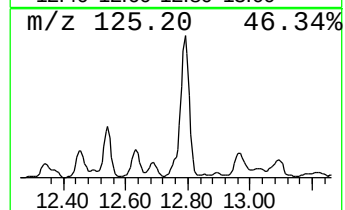
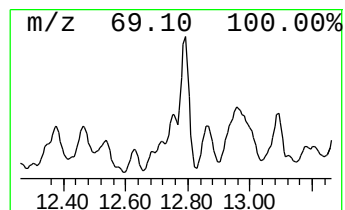
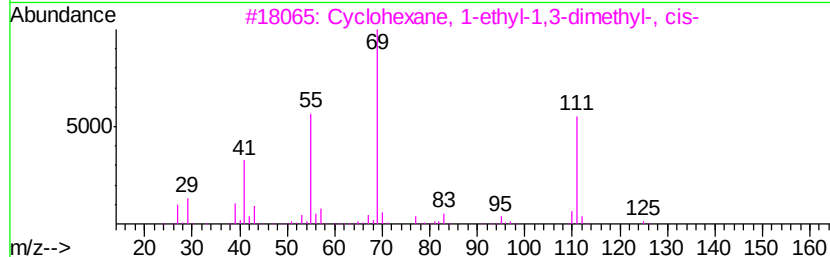
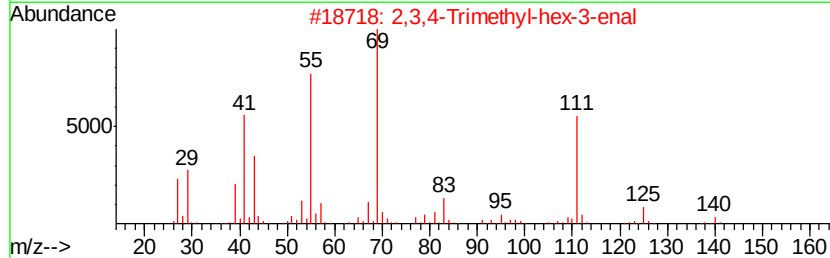
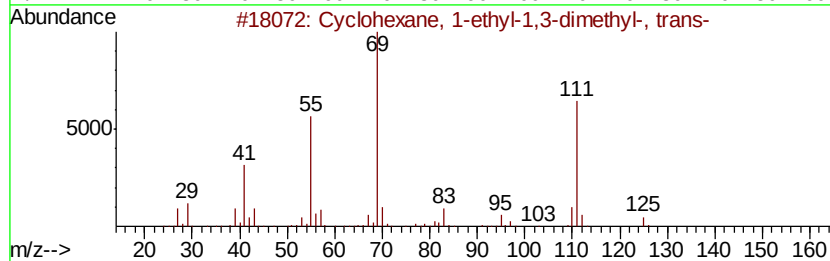
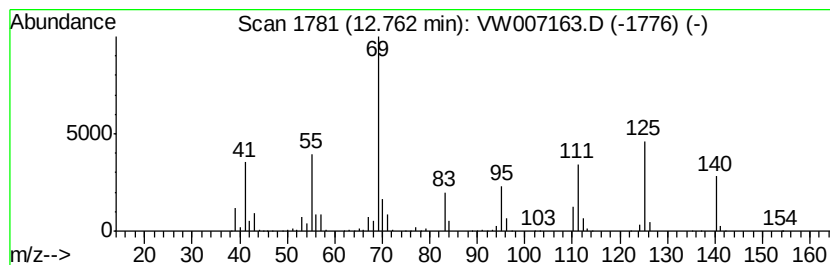
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Quant Title : VOC Analysis

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

Peak Number 52 (DEL) Alkane: Cyclic12.76 Concentration Rank 76

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	3.65 ug/L	2318860	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-ethyl-1,3-dimethyl...	140	C10H20	062238-29-3	59
2		2,3,4-Trimethyl-hex-3-enal	140	C9H16O	1000193-72-9	59
3		Cyclohexane, 1-ethyl-1,3-dimethyl...	140	C10H20	062238-31-7	59
4		Trans-1,4-diethylcyclohexane	140	C10H20	013990-93-7	53
5		6-Ethyl-2,3-dihydropyran-2,4-dione	140	C7H8O3	004435-30-7	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

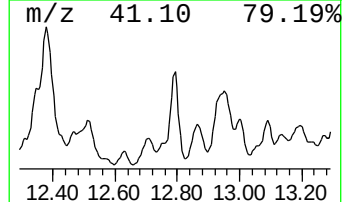
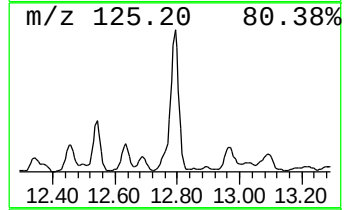
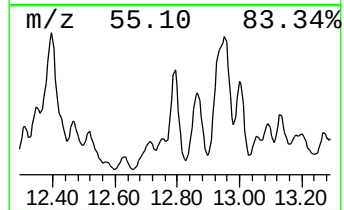
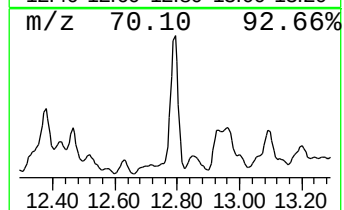
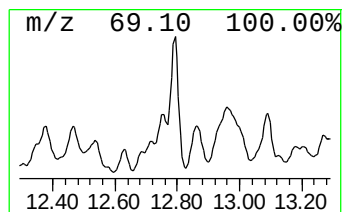
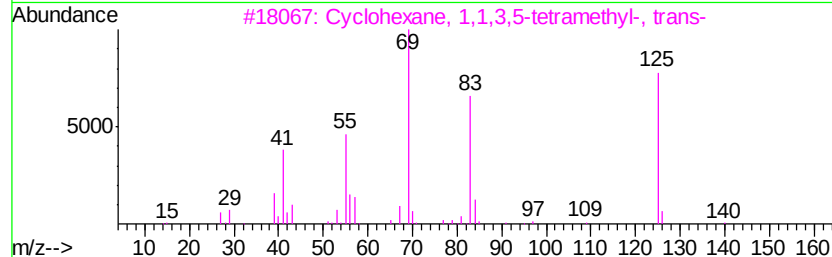
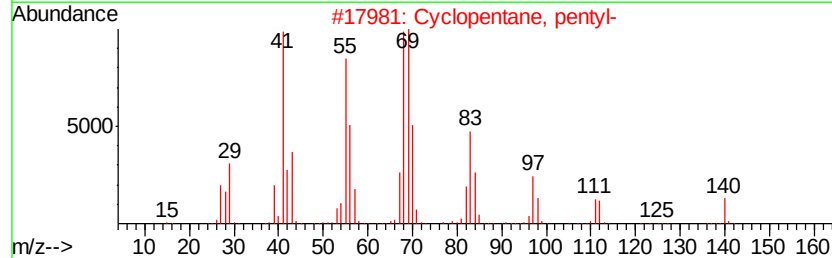
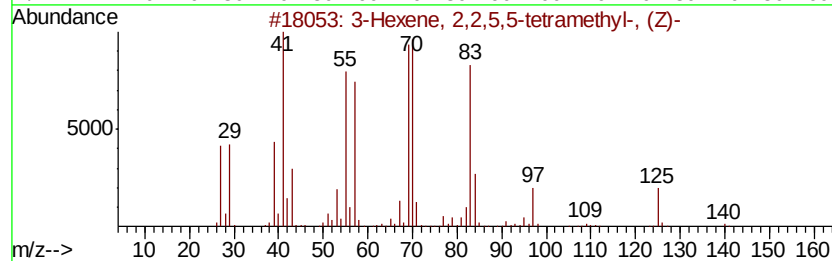
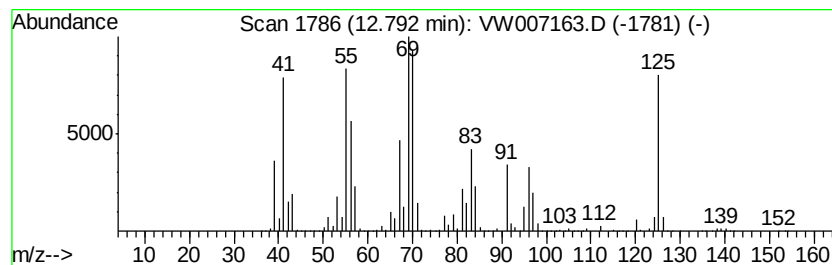
Instrument :
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ClientSampleId :
F9Y04

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 53 (DEL) Alkane: Cyclic12.79 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.79	34.19 ug/L	21736700	1,4-Dichlorobenzene-d4	13.57
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	3-Hexene, 2,2,5,5-tetramethyl-, ...	140 C10H20	000692-47-7	50
2	Cyclopentane, pentyl-	140 C10H20	003741-00-2	47
3	Cyclohexane, 1,1,3,5-tetramethyl...	140 C10H20	050876-31-8	46
4	trans-1-Butyl-2-methylcyclopropane	112 C8H16	038851-70-6	46
5	Cyclopentane, butyl-	126 C9H18	002040-95-1	46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

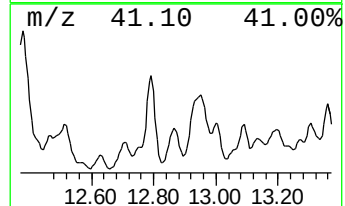
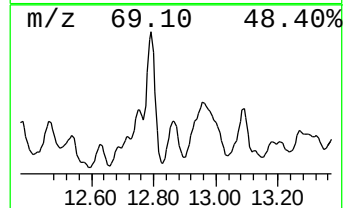
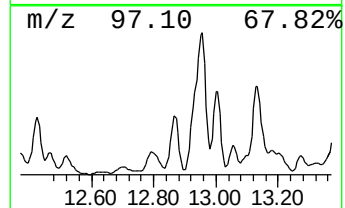
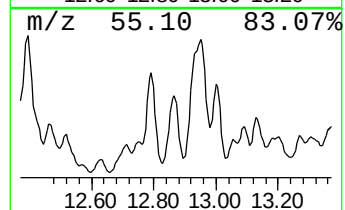
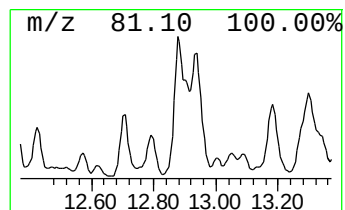
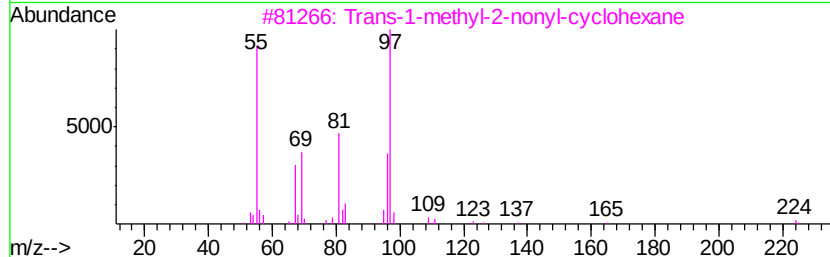
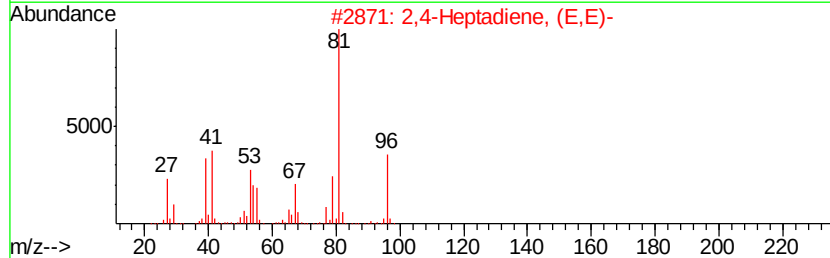
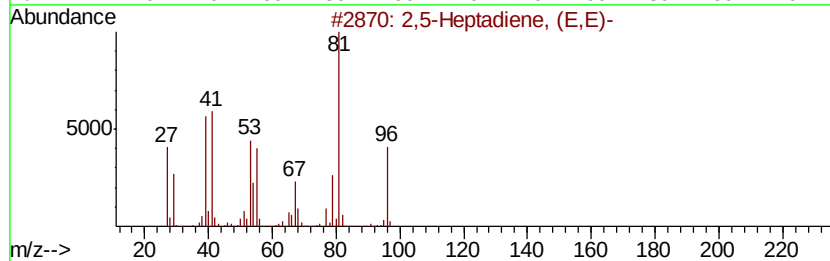
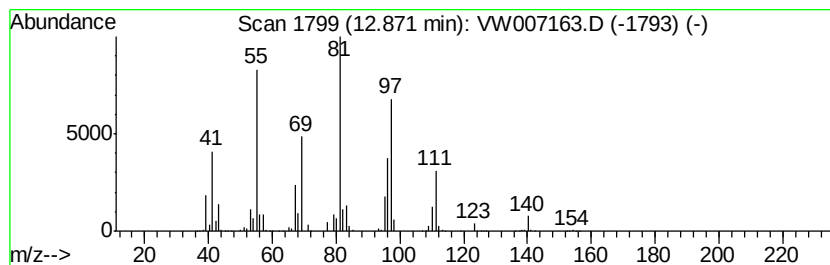
Instrument :
MSVOA_W
ClientSampleId :
F9Y04

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 54 unknown-04 Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	14.21 ug/L	9031080	1,4-Dichlorobenzene-d4	13.57
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	2,5-Heptadiene, (E,E)-	96 C7H12	039619-60-8	46
2	2,4-Heptadiene, (E,E)-	96 C7H12	002384-94-3	43
3	Trans-1-methyl-2-nonyl-cyclohexane	224 C16H32	1000371-47-8	35
4	Cyclohexane, 1-methyl-4-(1-methy...	140 C10H20	001678-82-6	30
5	Cyclohexane, 1-methyl-4-(1-methy...	140 C10H20	006069-98-3	30



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
F9Y04

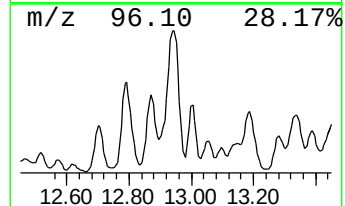
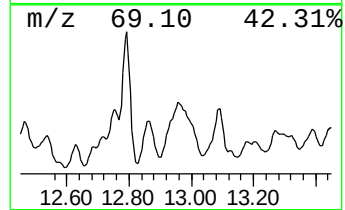
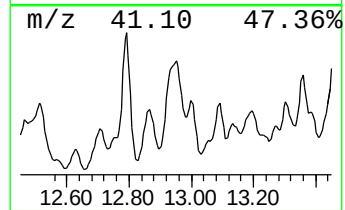
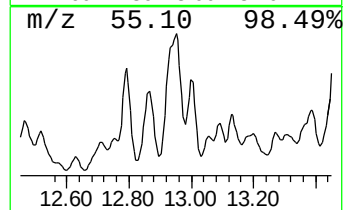
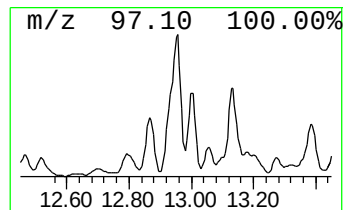
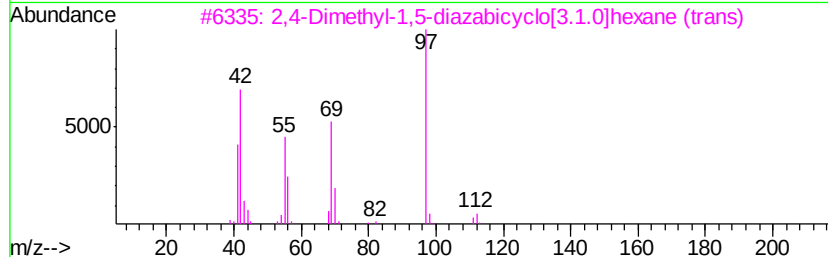
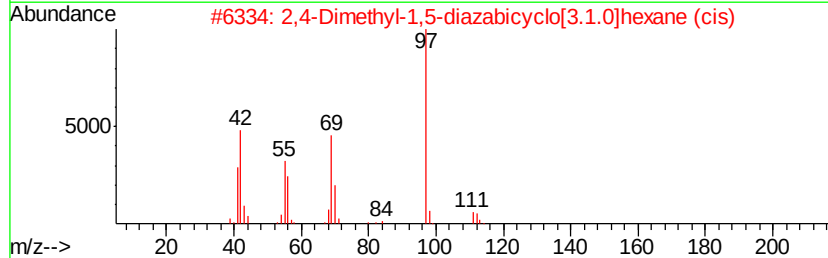
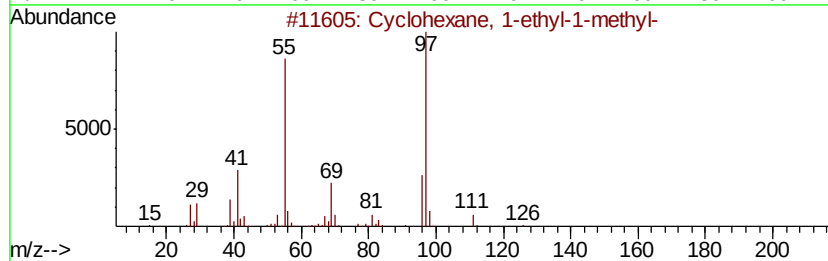
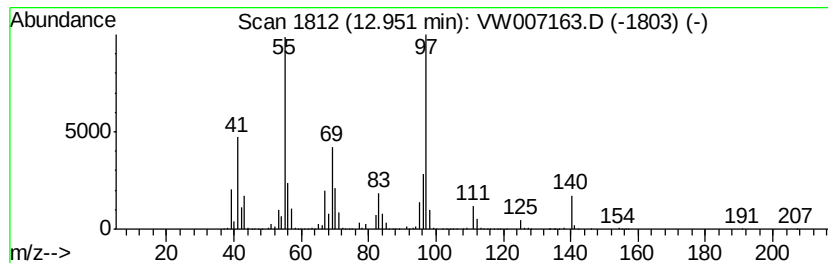
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Quant Title : VOC Analysis

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

Peak Number 55 (DEL) Alkane: Cyclic12.95 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.95	36.26 ug/L	23052700	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	58
2		2,4-Dimethyl-1,5-diazabicyclo[3.1.0]hexane	112	C6H12N2	100463-01-2	58
3		2,4-Dimethyl-1,5-diazabicyclo[3.1.0]hexane	112	C6H12N2	1000283-20-9	53
4		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	52
5		Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	52



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

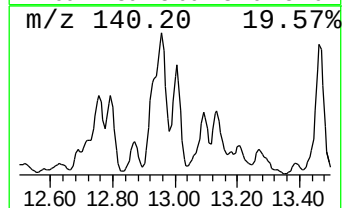
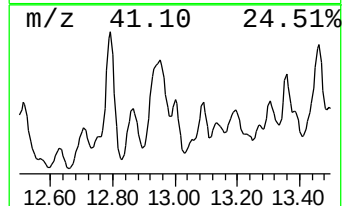
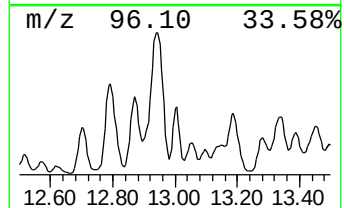
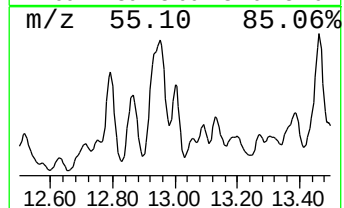
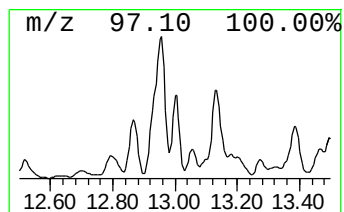
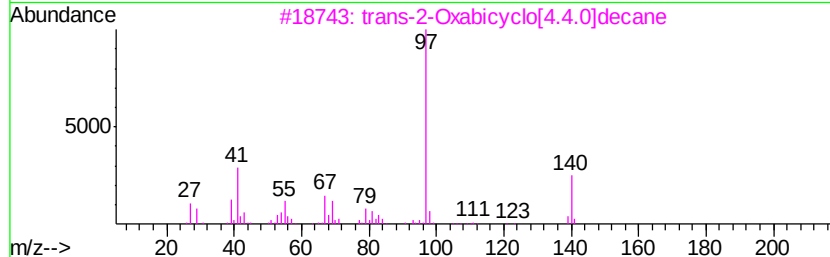
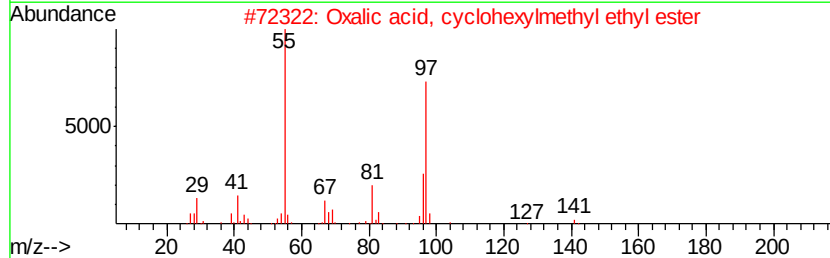
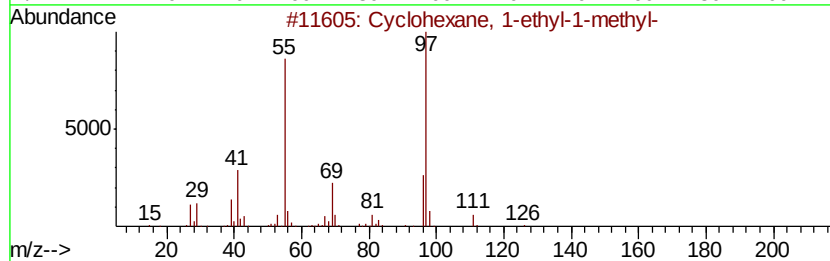
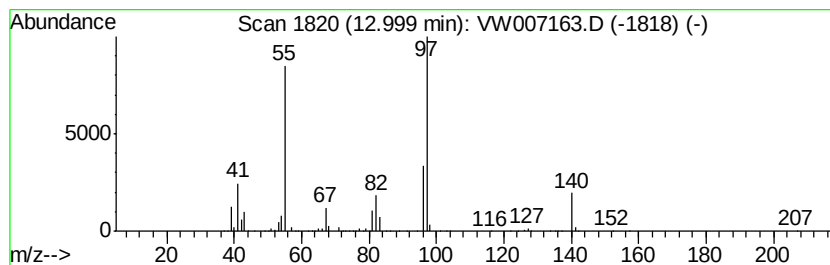
Instrument :
MSVOA_W
ClientSampleId :
F9Y04

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 56 (DEL) Alkane: Cyclic13.00 Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.00	9.79 ug/L	6224520	1,4-Dichlorobenzene-d4	13.57	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	64
2	Oxalic acid, cyclohexylmethyl et...	214	C11H18O4	1000309-68-0	59
3	trans-2-Oxabicyclo[4.4.0]decane	140	C9H16O	059958-46-2	50
4	Cyclohexane, 1-methyl-4-(1-methyl...	140	C10H20	006069-98-3	47
5	Cyclohexane, 1-methyl-4-(1-methyl...	140	C10H20	001678-82-6	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

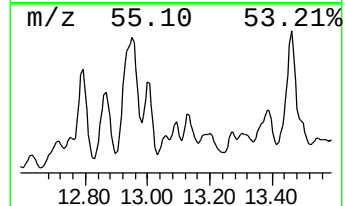
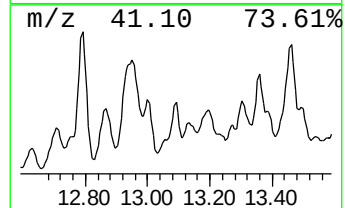
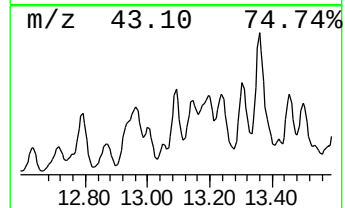
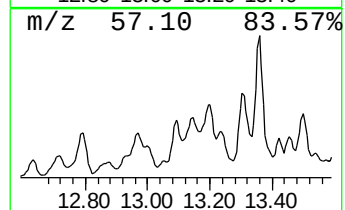
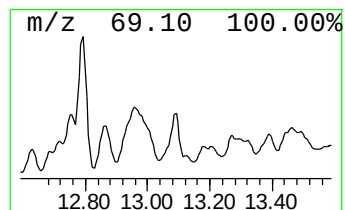
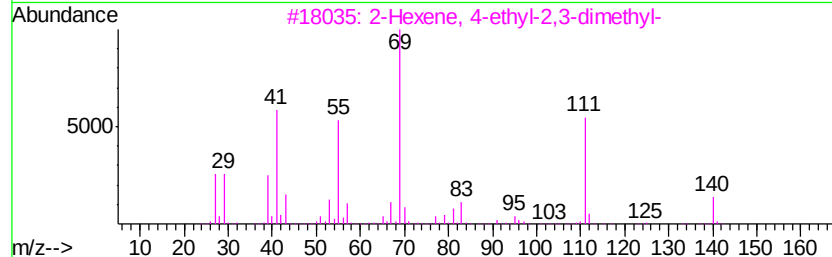
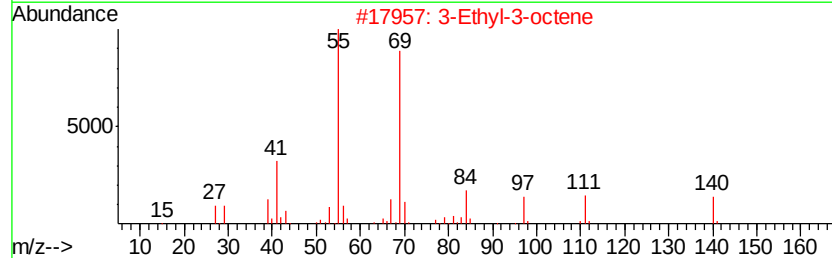
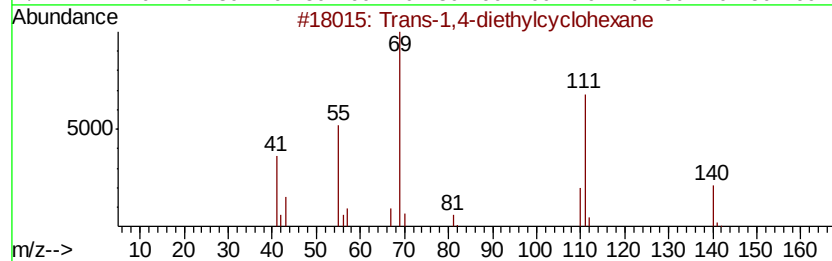
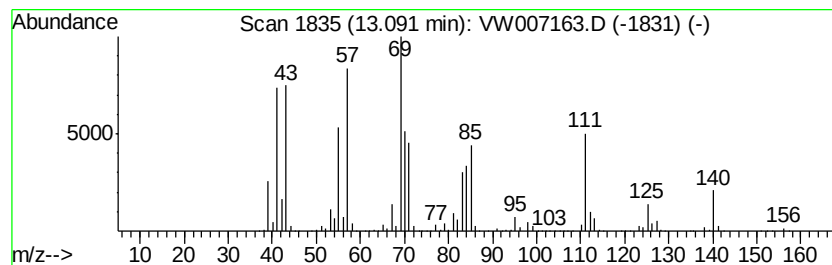
Instrument :
MSVOA_W
ClientSampleId :
F9Y04

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: Cyclic13.09 Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.09	6.25 ug/L	3975930	1,4-Dichlorobenzene-d4	13.57
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Trans-1,4-diethylcyclohexane	140 C10H20	013990-93-7 38
2		3-Ethyl-3-octene	140 C10H20	019781-31-8 35
3		2-Hexene, 4-ethyl-2,3-dimethyl-	140 C10H20	1000149-19-7 35
4		Cyclohexane, 1,1,3-trimethyl-	126 C9H18	003073-66-3 30
5		2-Heptene, 4-methyl-, (E)-	112 C8H16	066225-17-0 25



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9Y04

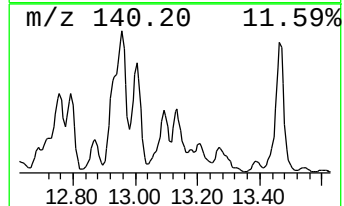
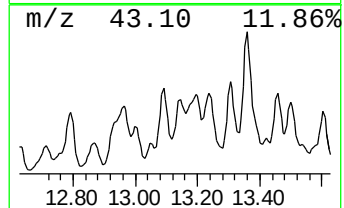
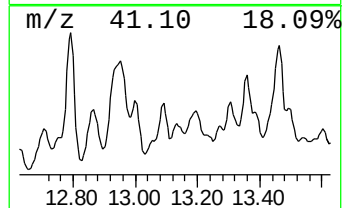
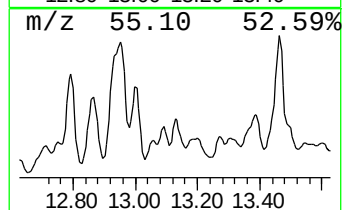
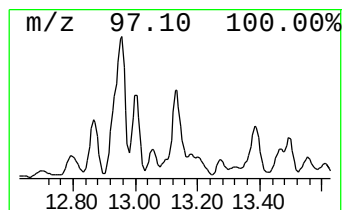
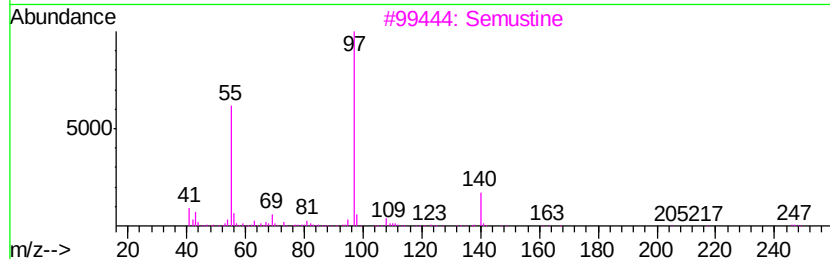
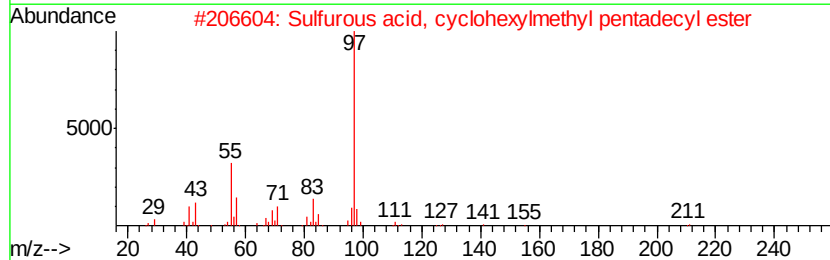
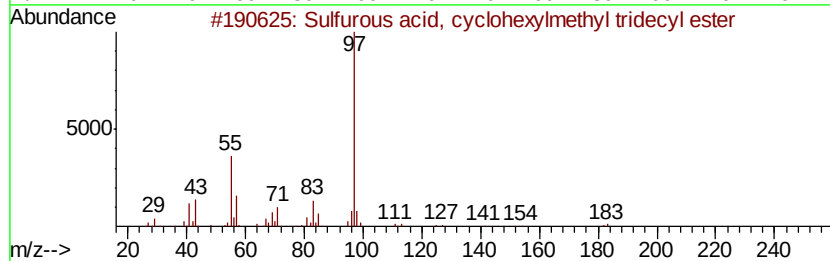
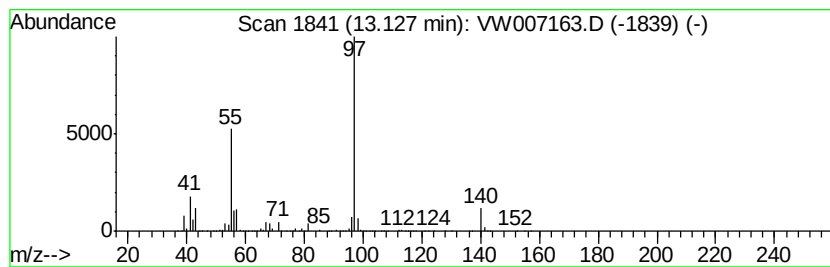
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Quant Title : VOC Analysis

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

Peak Number 58 Sulfurous acid, cyclohexylm... Concentration Rank 75

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	3.80 ug/L	2414130	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Sulfurous acid, cyclohexylmethyl...	360	C20H40O3S	1000309-22-1	72
2		Sulfurous acid, cyclohexylmethyl...	388	C22H44O3S	1000309-22-3	72
3		Semustine	247	C10H18ClN3O2	013909-09-6	64
4		Sulfurous acid, cyclohexylmethyl...	304	C16H32O3S	1000309-21-8	64
5		Sulfurous acid, cyclohexylmethyl...	262	C13H26O3S	1000309-21-6	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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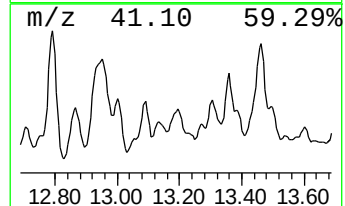
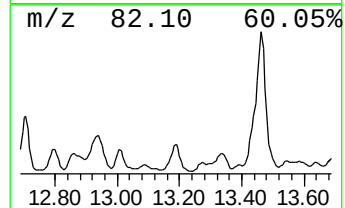
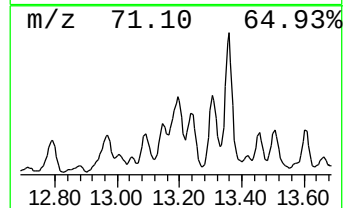
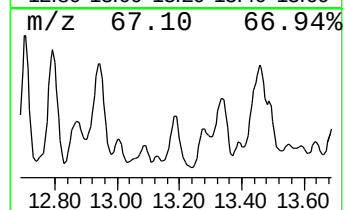
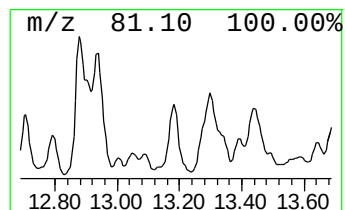
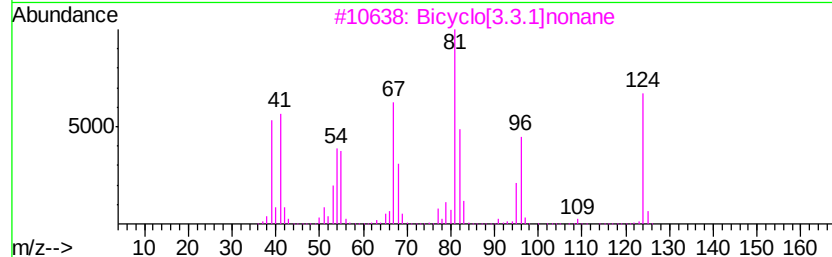
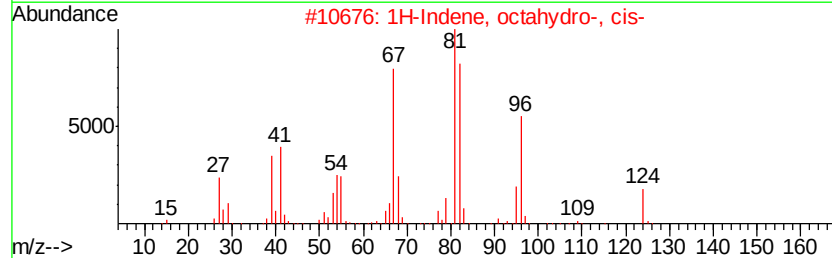
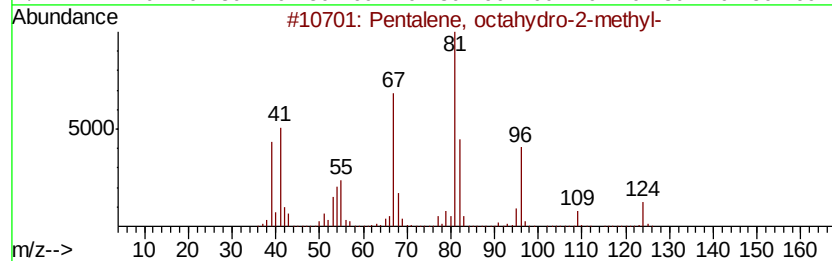
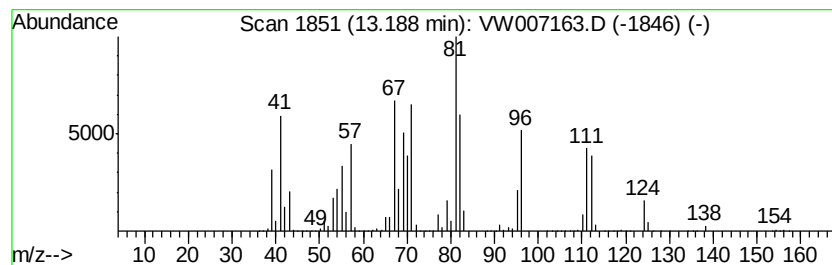
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Quant Title : VOC Analysis

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

Peak Number 59 Pentalene, octahydro-2-methyl- Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	11.10 ug/L	7056230	1,4-Dichlorobenzene-d4	13.57

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	70
2			1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	55
3			Bicyclo[3.3.1]nonane	124	C9H16	000280-65-9	46
4			Cyclohexene, 1-butyl-	138	C10H18	003282-53-9	43
5			Bicyclo[3.3.1]nonane	124	C9H16	000280-65-9	42



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

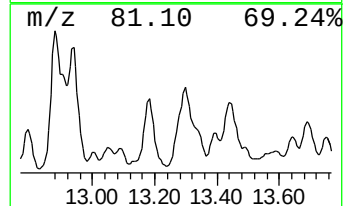
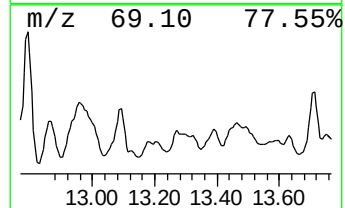
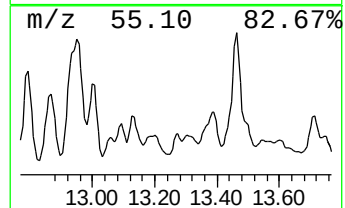
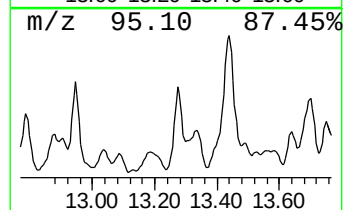
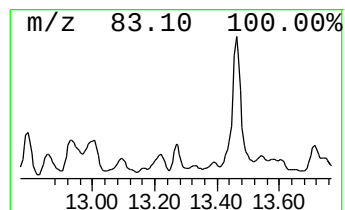
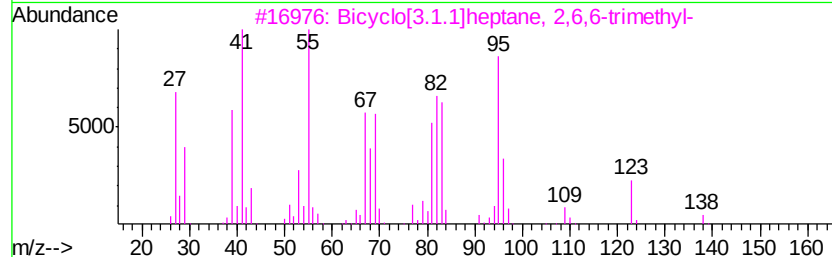
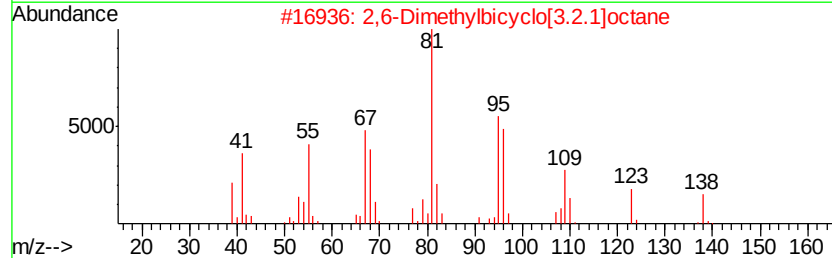
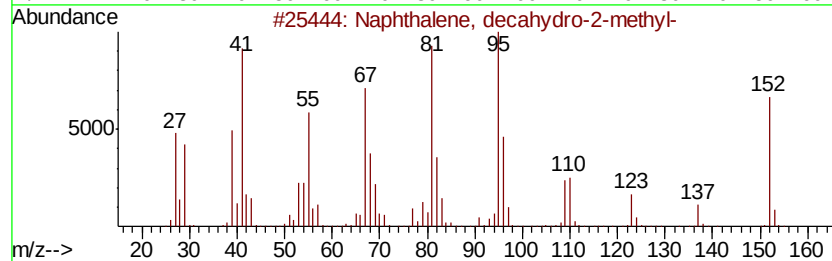
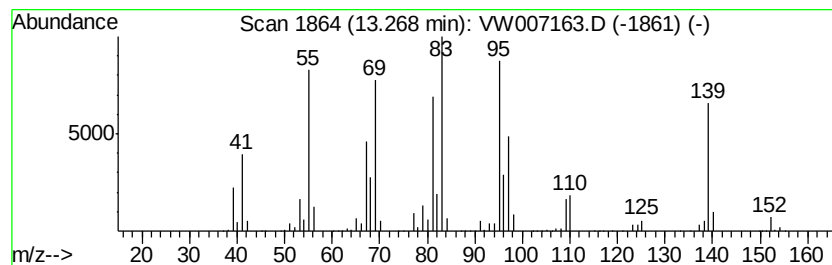
Instrument :
MSVOA_W
ClientSampleId :
F9Y04

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 Naphthalene, decahydro-2-me... Concentration Rank 72

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	4.67 ug/L	2966620	1,4-Dichlorobenzene-d4	13.57
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, decahydro-2-methyl-	152 C11H20	002958-76-1 58
2		2,6-Dimethylbicyclo[3.2.1]octane	138 C10H18	1000215-28-2 46
3		Bicyclo[3.1.1]heptane, 2,6,6-tri...	138 C10H18	000473-55-2 41
4		(-)-trans-Pinane	138 C10H18	033626-25-4 38
5		9-Methylbicyclo[3.3.1]nonane	138 C10H18	025107-01-1 38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9Y04

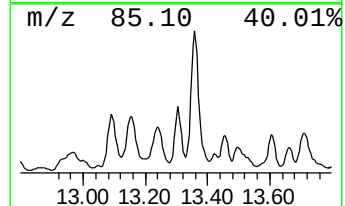
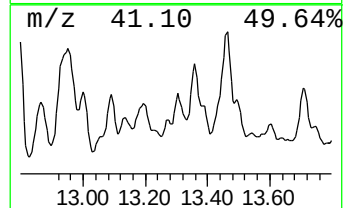
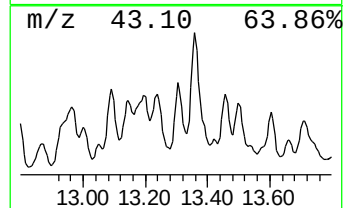
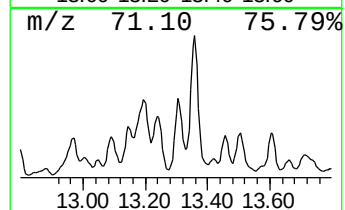
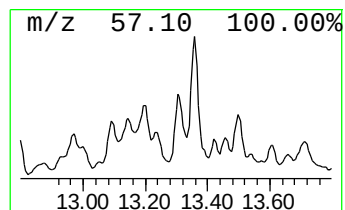
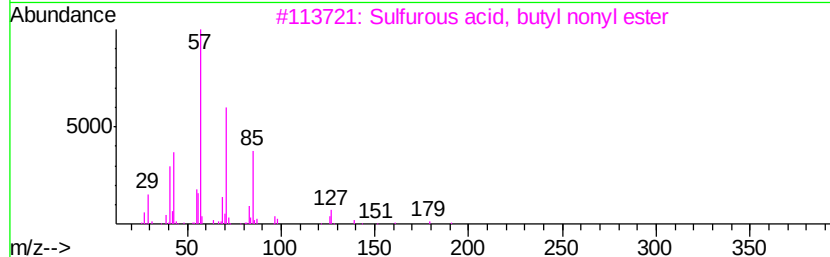
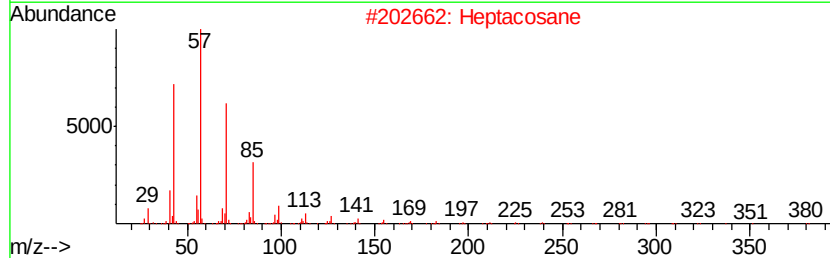
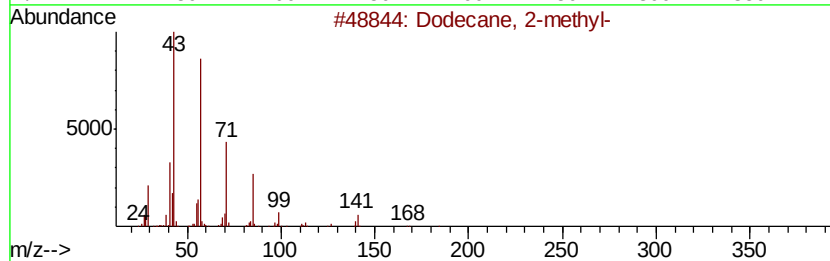
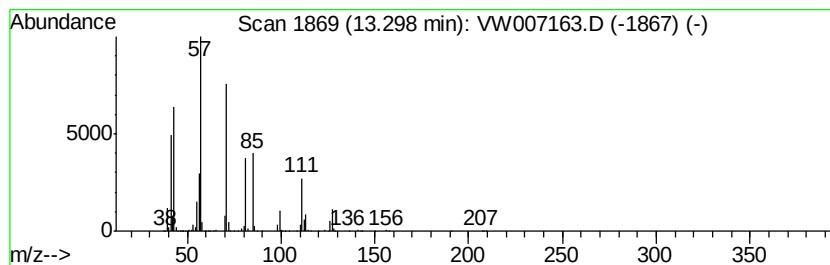
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Quant Title : VOC Analysis

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

Peak Number 61 (DEL) Alkane: Straight-Chai... Concentration Rank 73

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.30	3.87 ug/L	2458680	1,4-Dichlorobenzene-d4	13.57

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 2-methyl-	184	C13H28	001560-97-0	59
2			Heptacosane	380	C27H56	000593-49-7	59
3			Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	59
4			Nonane, 5-methyl-5-propyl-	184	C13H28	017312-75-3	53
5			Undecane, 5-methyl-	170	C12H26	001632-70-8	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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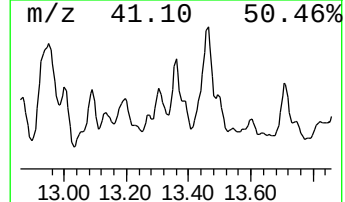
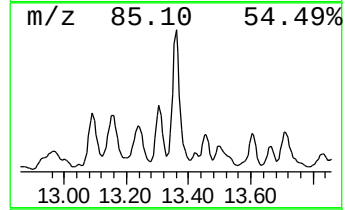
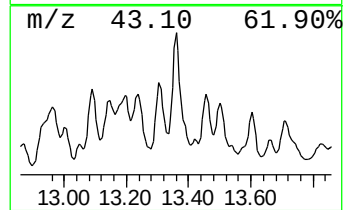
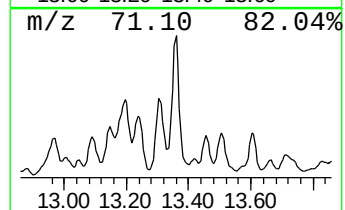
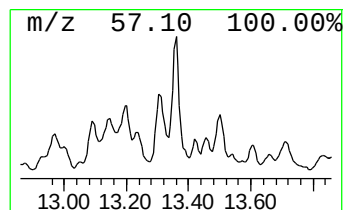
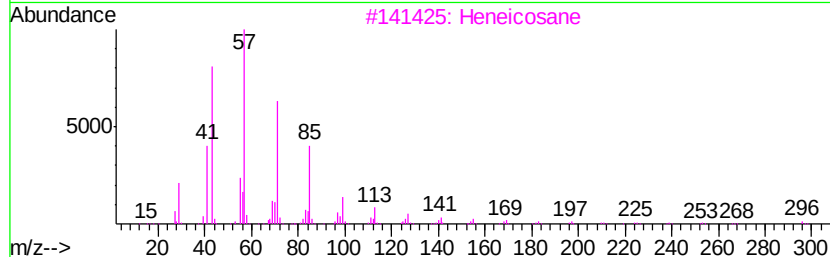
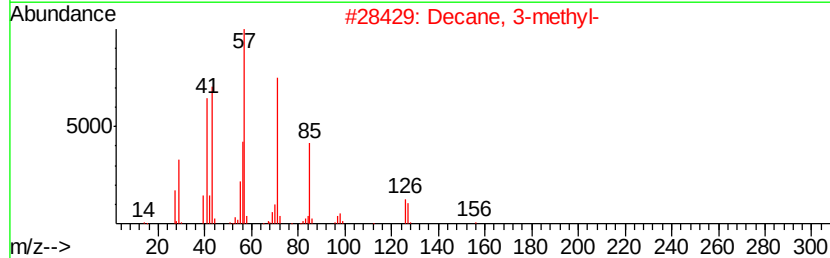
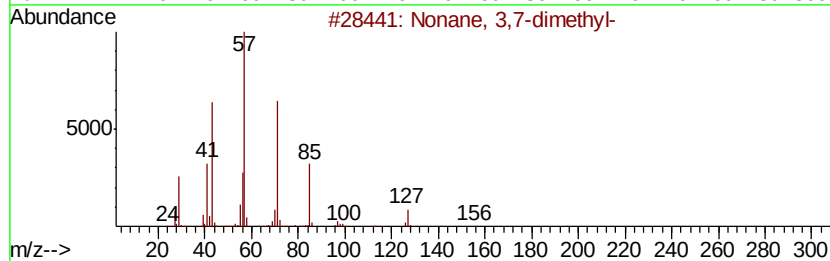
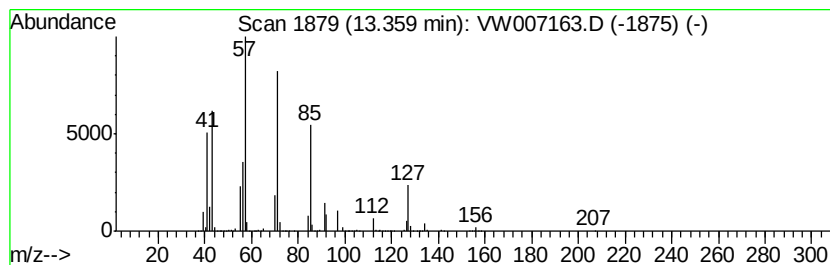
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Quant Title : VOC Analysis

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.36	7.12 ug/L	4526380	1,4-Dichlorobenzene-d4	13.57

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	68
3			Heneicosane	296	C21H44	000629-94-7	64
4			Octadecane	254	C18H38	000593-45-3	64
5			Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

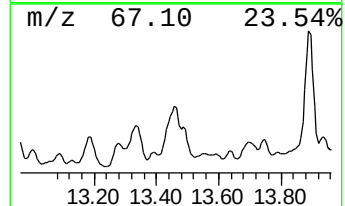
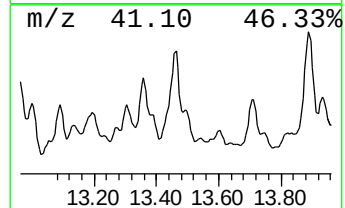
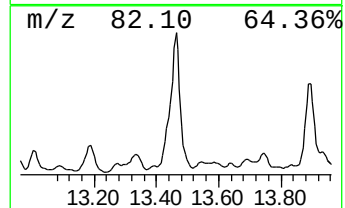
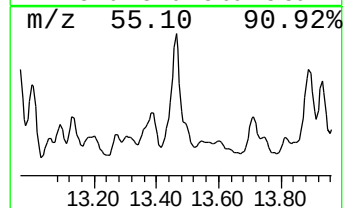
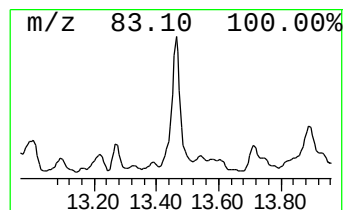
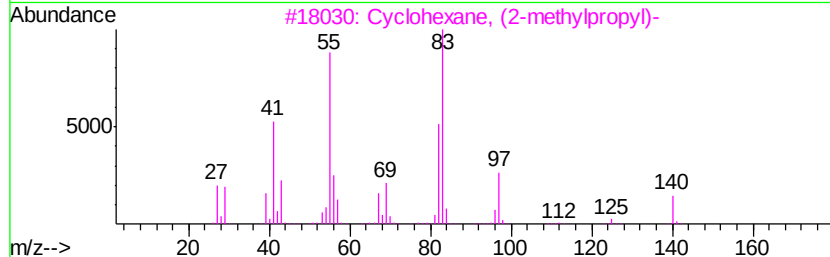
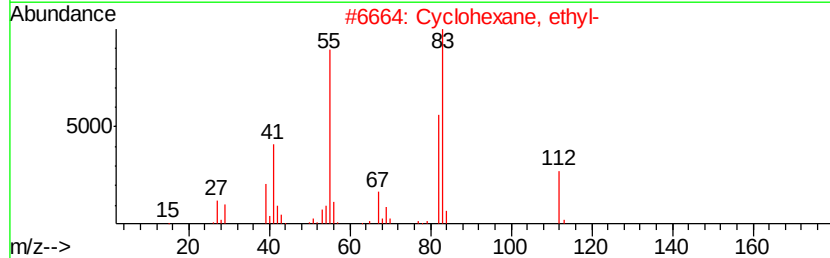
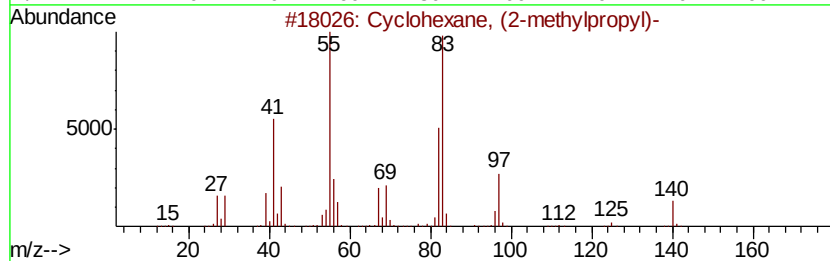
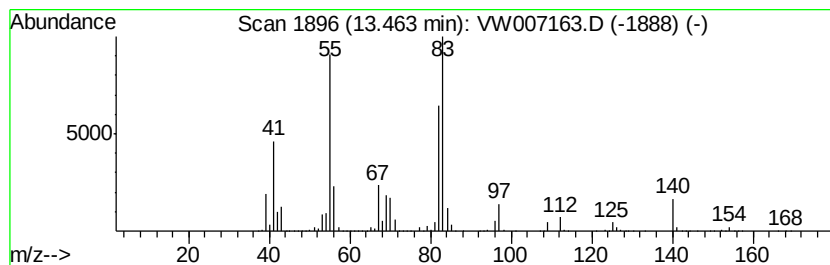
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

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

Peak Number 63 (DEL) Alkane: Cyclic13.46 Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.46	25.00 ug/L	15891900	1,4-Dichlorobenzene-d4	13.57	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	90
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	87
3	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	83
4	Cyclohexane, butyl-	140	C10H20	001678-93-9	83
5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	81



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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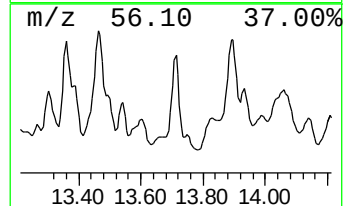
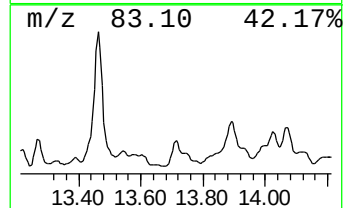
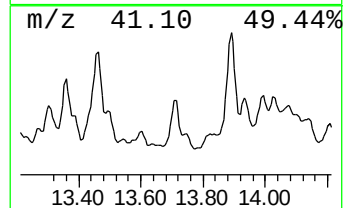
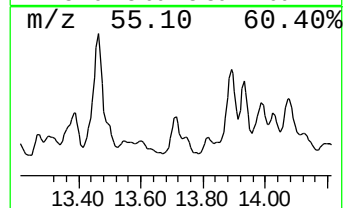
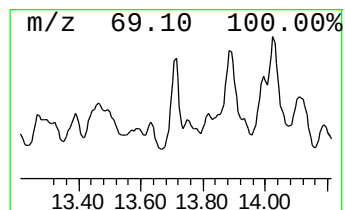
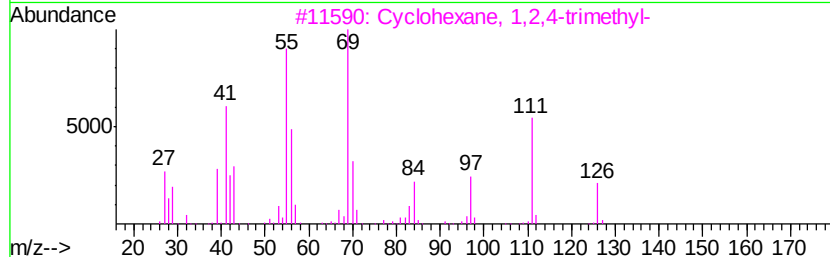
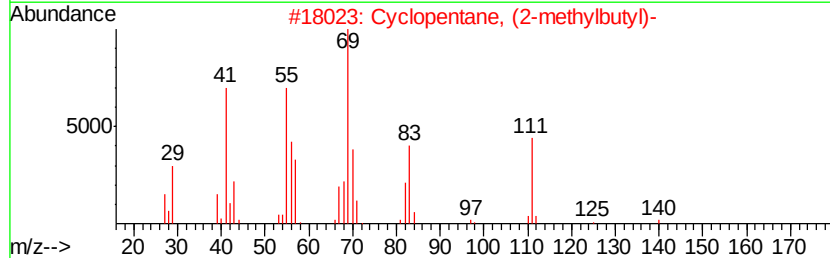
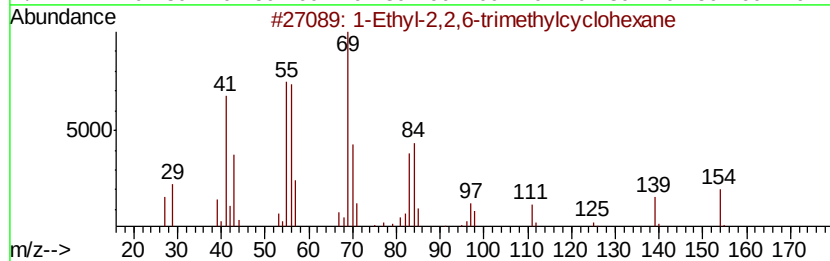
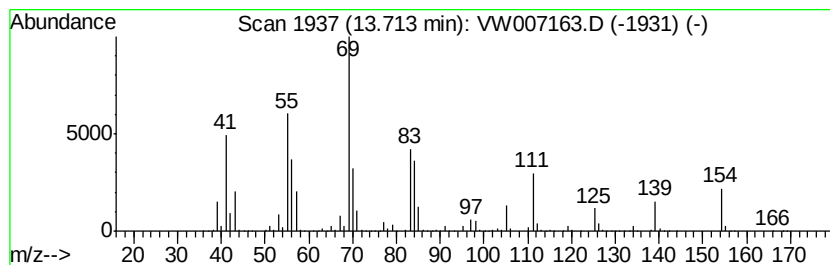
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Quant Title : VOC Analysis

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

Peak Number 64 (DEL) Alkane: Cyclic13.71 Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.71	17.21 ug/L	10938900	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Ethyl-2,2,6-trimethylcyclohexane	154	C11H22	071186-27-1	80
2		Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	58
3		Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	50
4		Nonane, 2-methyl-3-methylene-	154	C11H22	055499-08-6	50
5		2-Decene, 2-methyl-	154	C11H22	023381-92-2	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9Y04

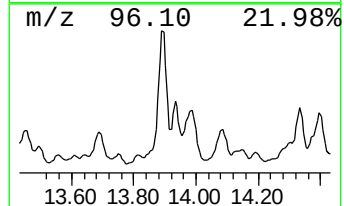
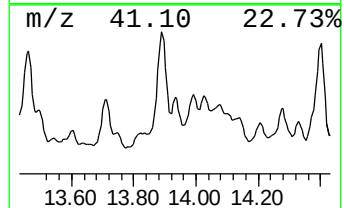
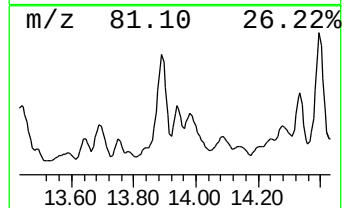
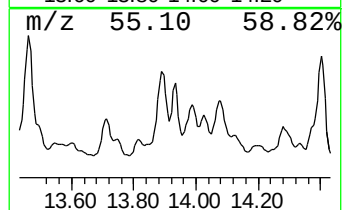
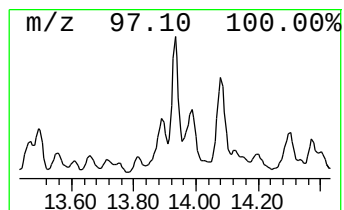
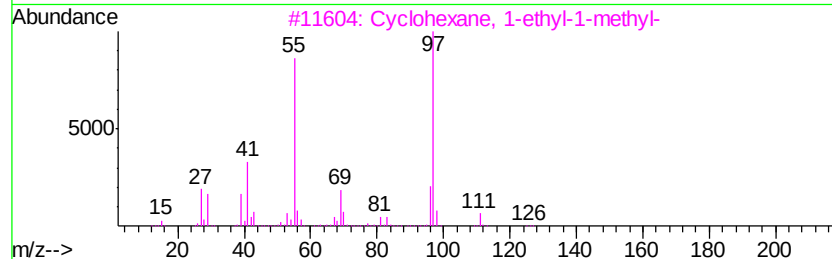
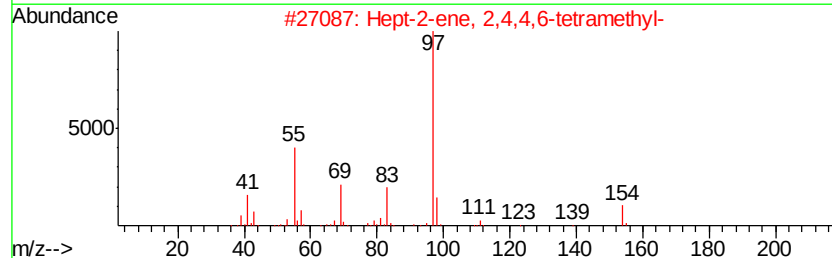
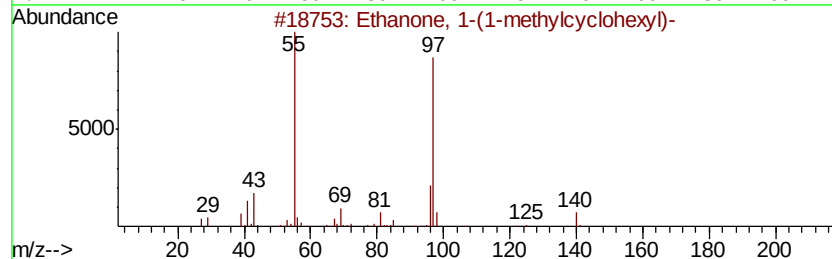
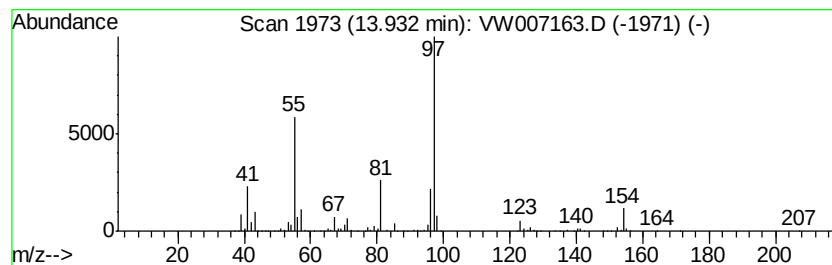
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Quant Title : VOC Analysis

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

Peak Number 65 Ethanone, 1-(1-methylcyclohexyl) Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.93	5.77 ug/L	3666740	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	64
2		Hept-2-ene, 2,4,4,6-tetramethyl-	154	C11H22	103982-58-7	59
3		Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	59
4		1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	53
5		Sulfurous acid, cyclohexylmethyl...	402	C23H46O3S	1000309-22-4	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

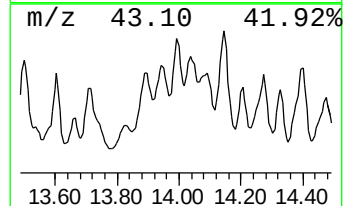
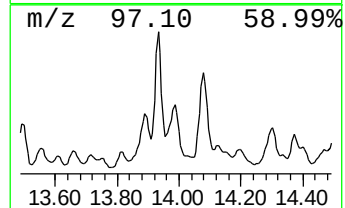
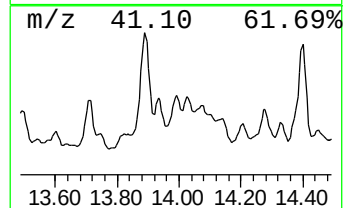
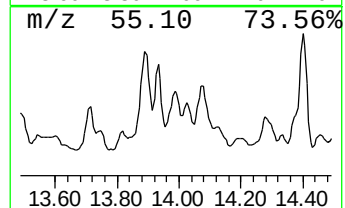
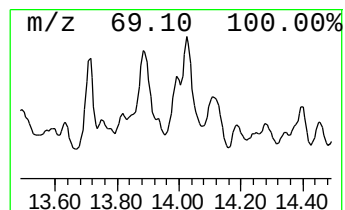
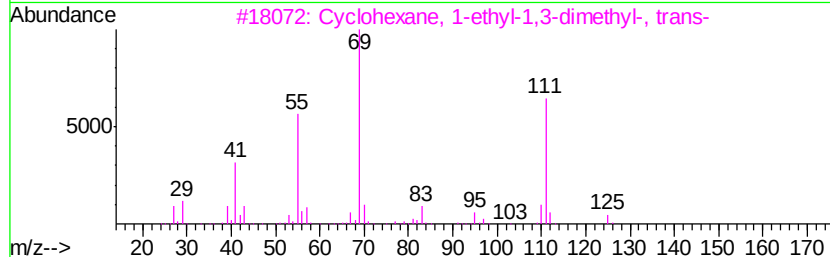
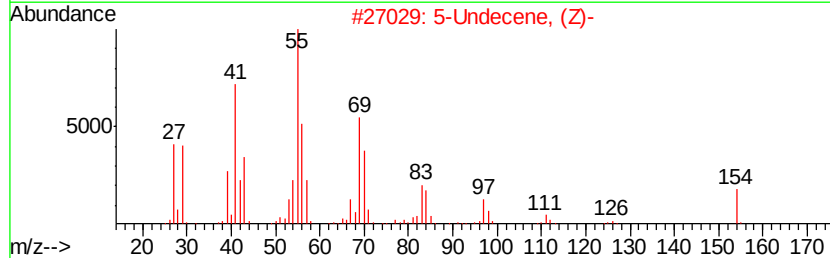
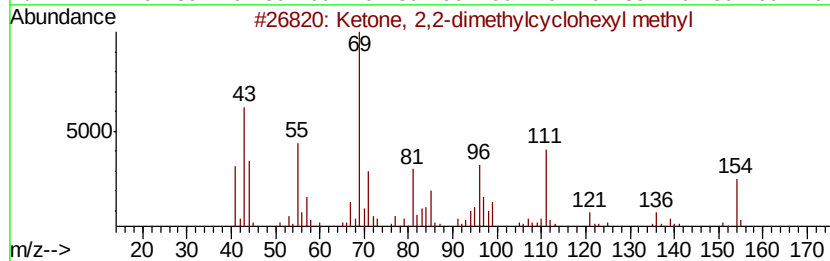
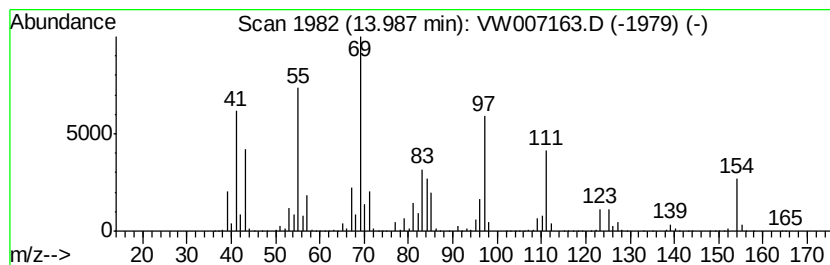
Instrument :
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ClientSampleId :
F9Y04

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 66 Ketone, 2,2-dimethylcyclohe... Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.99	6.25 ug/L	3971910	1,4-Dichlorobenzene-d4	13.57
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Ketone, 2,2-dimethylcyclohexyl m...	154 C10H18O	017983-26-5 59
2		5-Undecene, (Z)-	154 C11H22	000764-96-5 47
3		Cyclohexane, 1-ethyl-1,3-dimethyl...	140 C10H20	062238-29-3 38
4		Cyclohexane, 1-ethyl-1,4-dimethyl...	140 C10H20	062238-32-8 38
5		Triallylsilane	152 C9H16Si	001116-62-7 38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
F9Y04

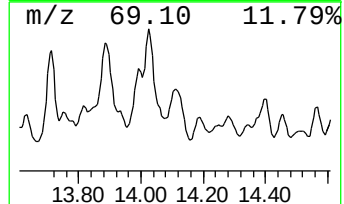
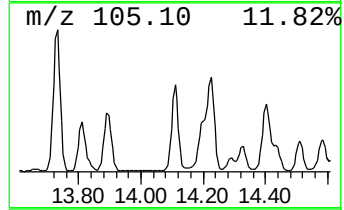
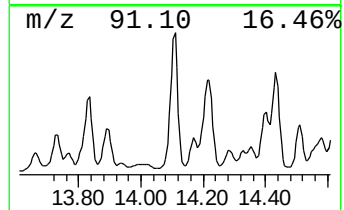
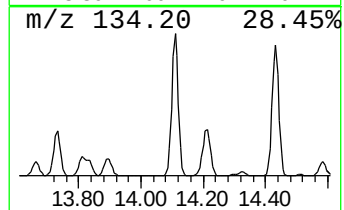
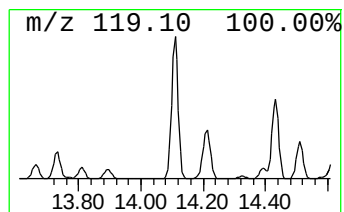
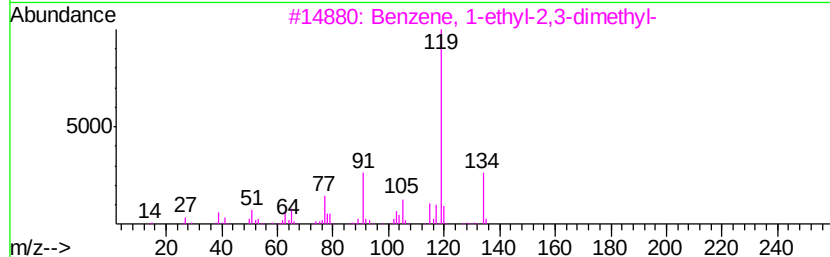
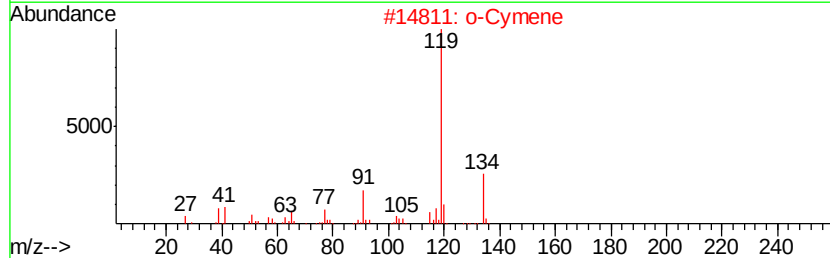
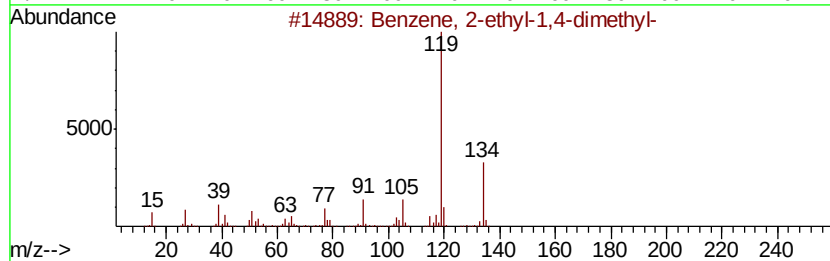
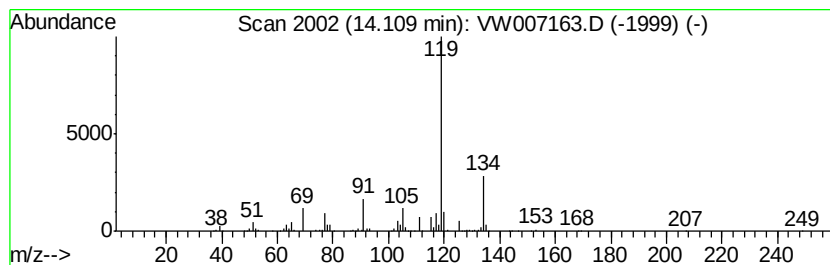
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Quant Title : VOC Analysis

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

Peak Number 67 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.11	12.51 ug/L	7952610	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
2		o-Cymene	134	C10H14	000527-84-4	95
3		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	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 : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9Y04

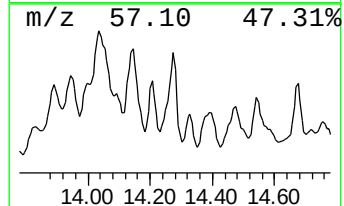
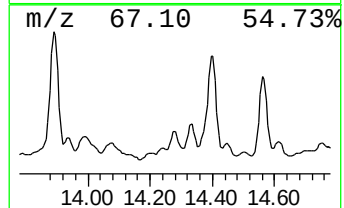
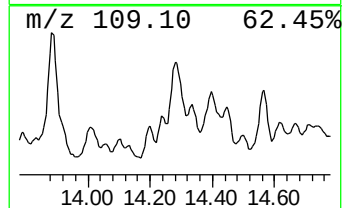
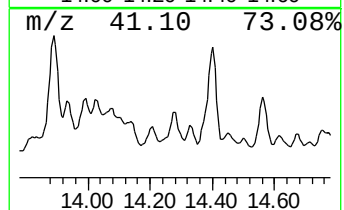
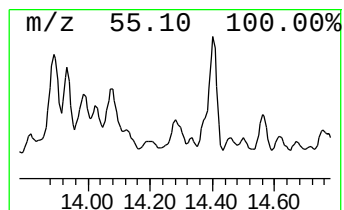
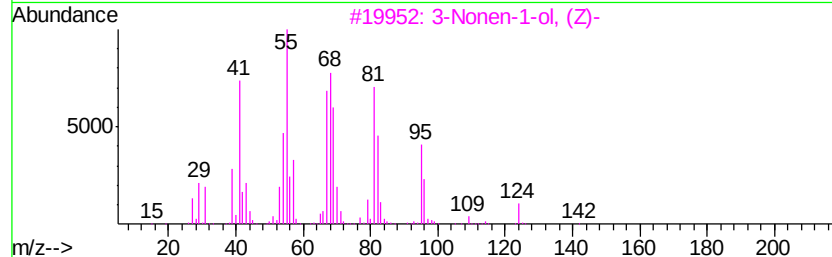
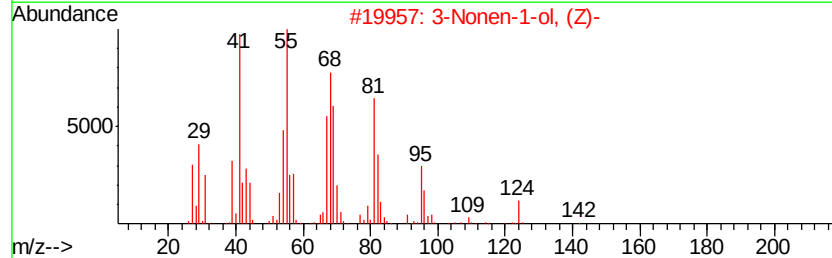
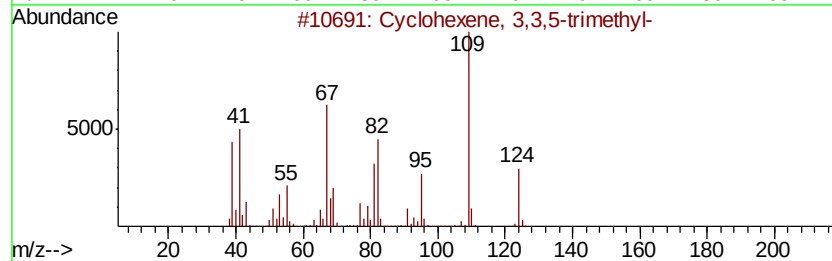
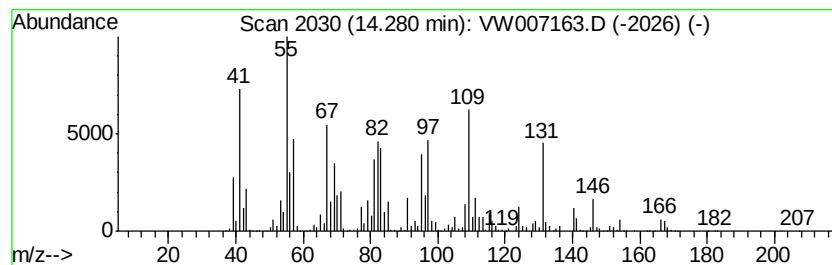
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Quant Title : VOC Analysis

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

Peak Number 69 Cyclohexene, 3,3,5-trimethyl- Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.28	6.71 ug/L	4264020	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexene, 3,3,5-trimethyl-	124	C9H16	000503-45-7	52
2		3-Nonen-1-ol, (Z)-	142	C9H18O	010340-23-5	42
3		3-Nonen-1-ol, (Z)-	142	C9H18O	010340-23-5	41
4		Cyclohexane, 1,3-dimethyl-2-meth...	124	C9H16	020348-74-7	38
5		Bicyclo[4.1.0]heptane, 2-methyl-	110	C8H14	041977-46-2	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

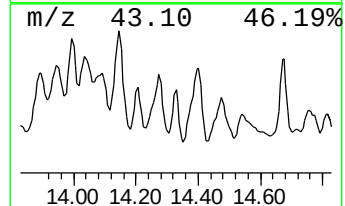
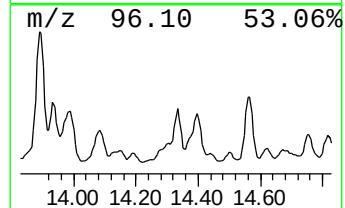
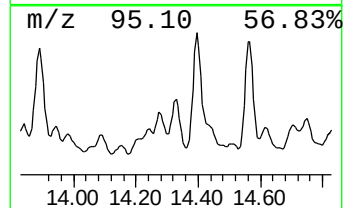
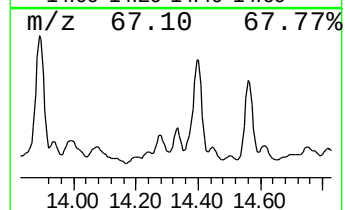
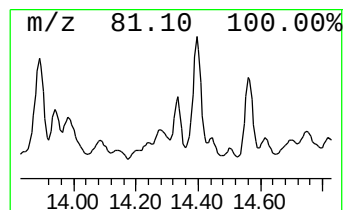
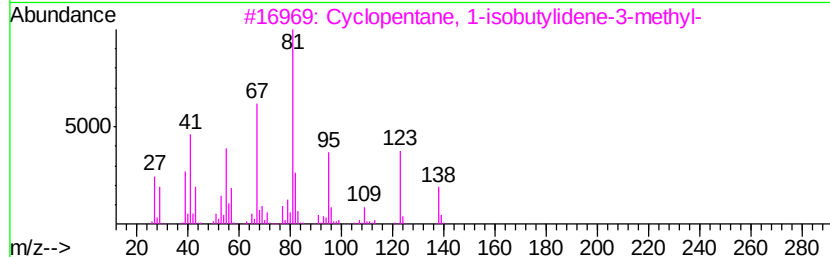
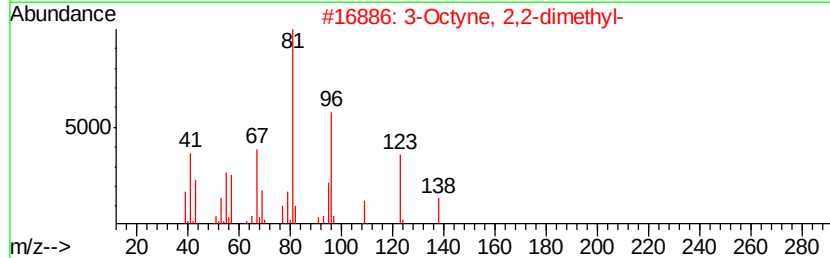
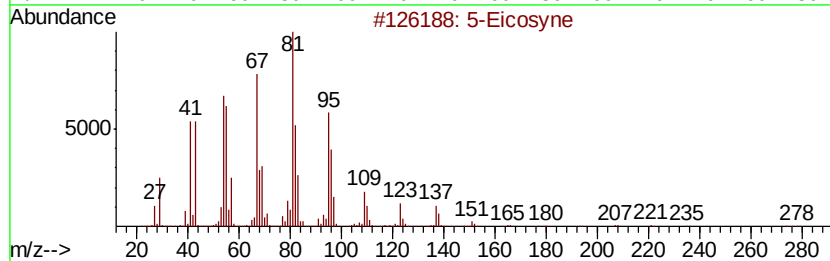
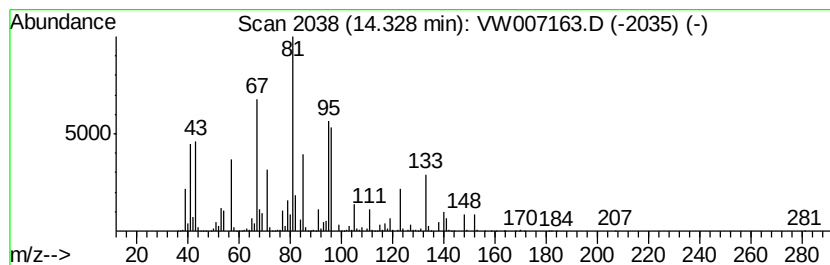
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Quant Title : VOC Analysis

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

Peak Number 70 5-Eicosyne Concentration Rank 78

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.33	3.57 ug/L	2266490	1,4-Dichlorobenzene-d4	13.57	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosyne	278	C20H38	074685-31-7	50
2	3-Octyne, 2,2-dimethyl-	138	C10H18	019482-57-6	49
3	Cyclopentane, 1-isobutylidene-3-methyl-	138	C10H18	1000150-62-1	38
4	Cyclohexene, 3-pentyl-	152	C11H20	015232-92-5	38
5	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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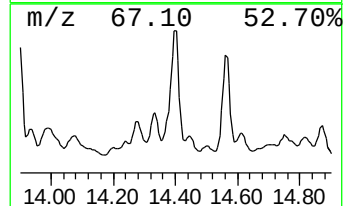
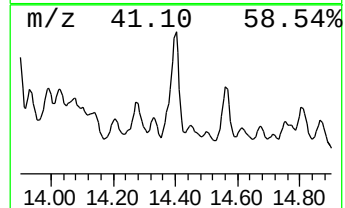
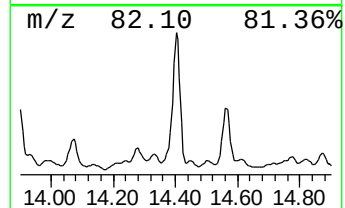
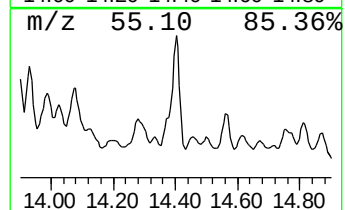
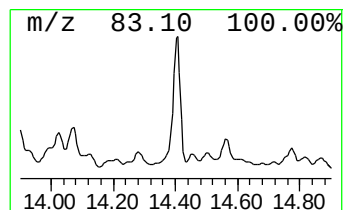
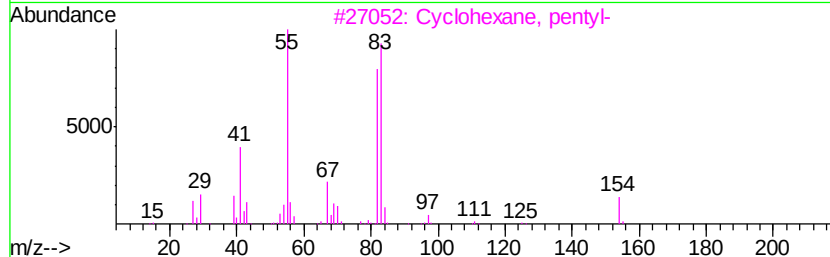
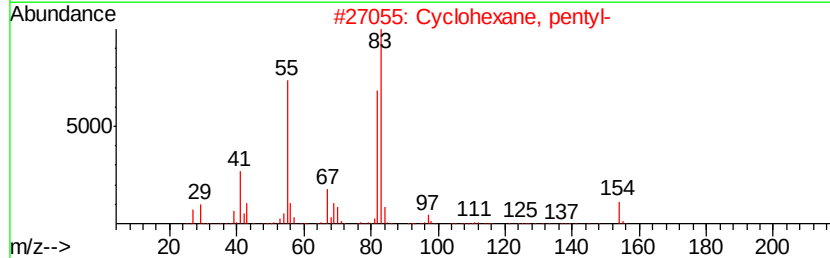
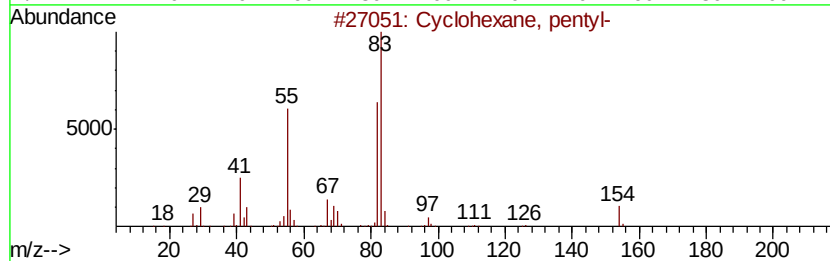
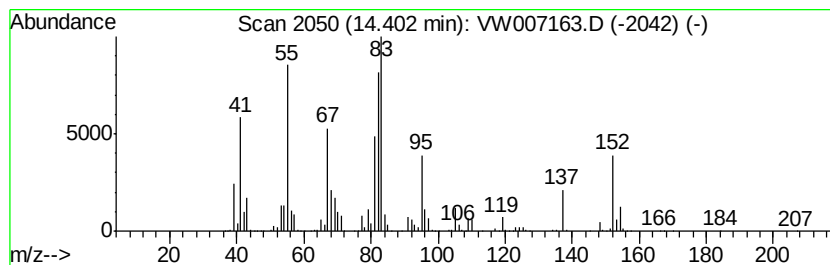
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Quant Title : VOC Analysis

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

Peak Number 71 (DEL) Alkane: Cyclic14.40 Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.40	28.83 ug/L	18326500	1,4-Dichlorobenzene-d4	13.57

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, butyl-	140	C10H20	001678-93-9	43
5		1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

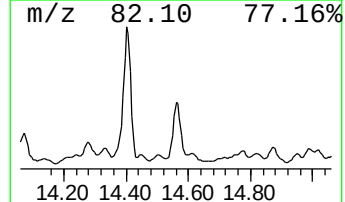
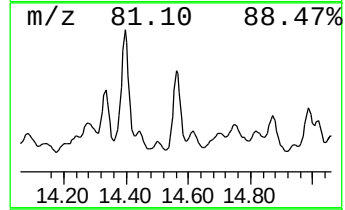
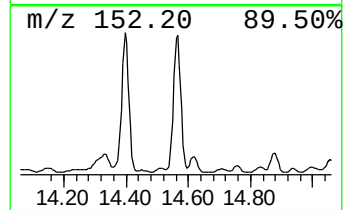
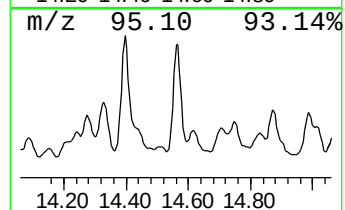
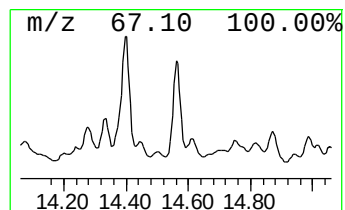
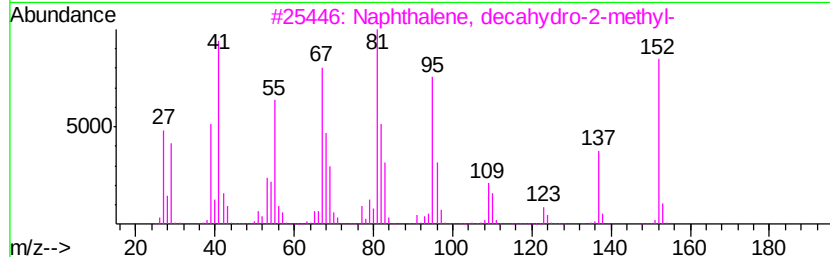
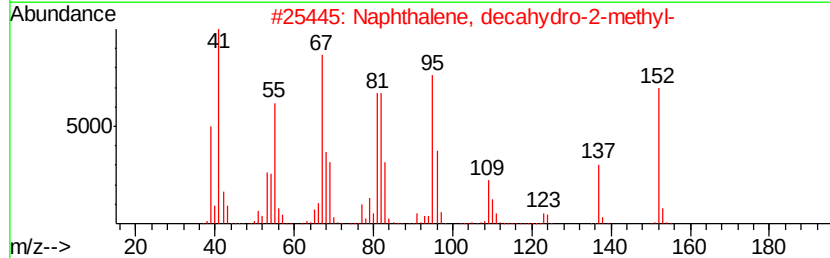
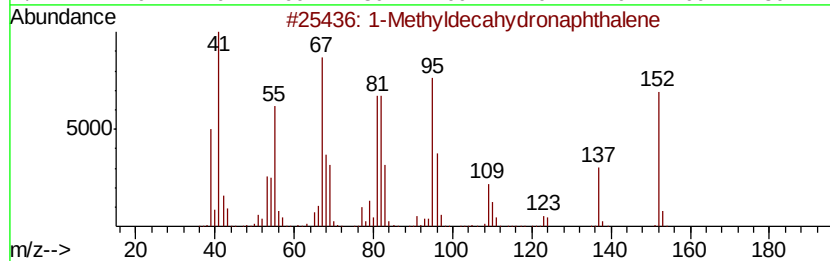
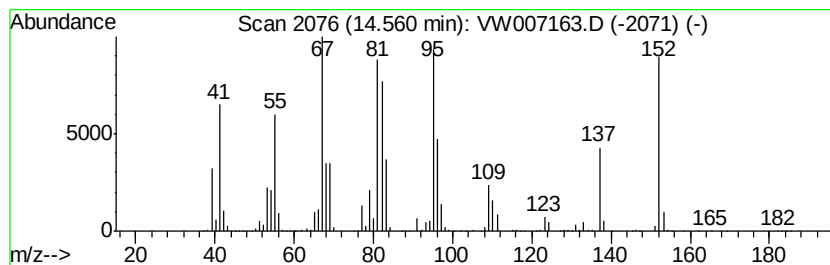
Instrument :
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ClientSampleId :
F9Y04

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 72 1-Methyldecahydronaphthalene Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.56	16.93 ug/L	10763400	1,4-Dichlorobenzene-d4	13.57
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		1-Methyldecahydronaphthalene	152 C11H20	002958-75-0 97
2		Naphthalene, decahydro-2-methyl-	152 C11H20	002958-76-1 97
3		Naphthalene, decahydro-2-methyl-	152 C11H20	002958-76-1 86
4		trans-Decalin, 2-methyl-	152 C11H20	1000152-47-3 86
5		Naphthalene, decahydro-2-methyl-	152 C11H20	002958-76-1 86



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

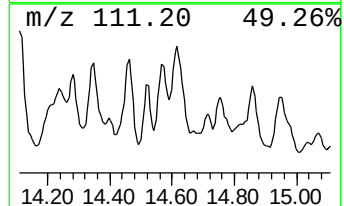
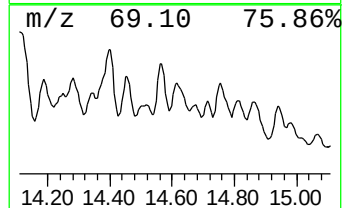
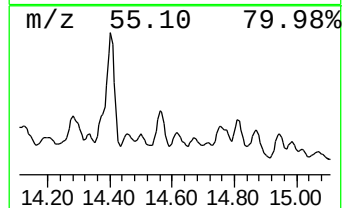
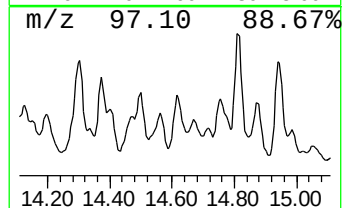
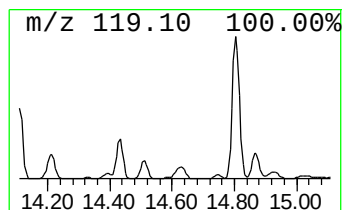
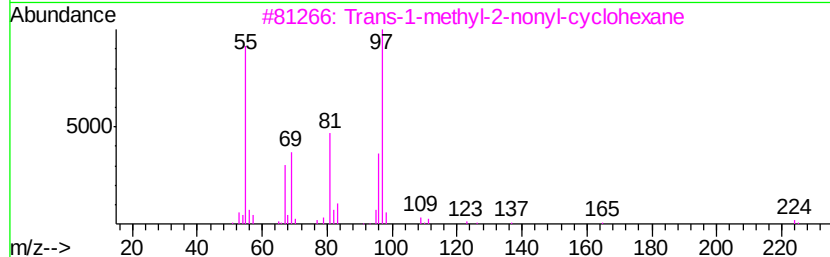
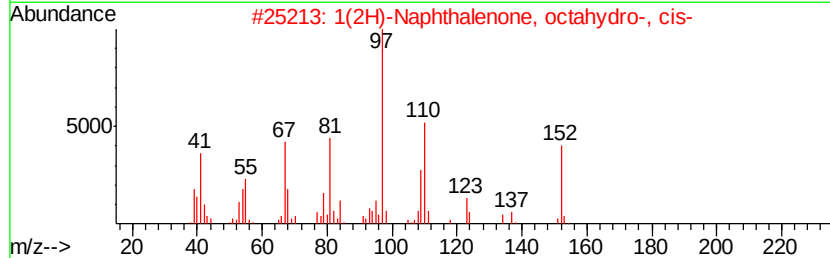
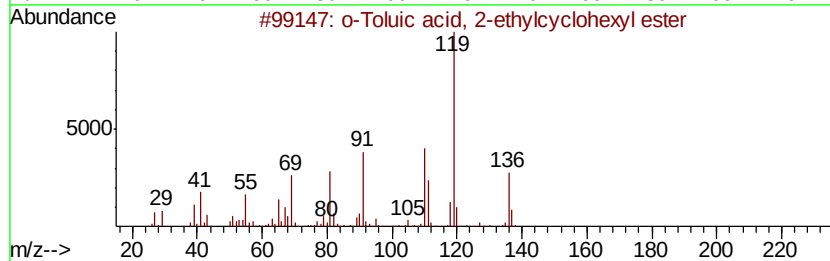
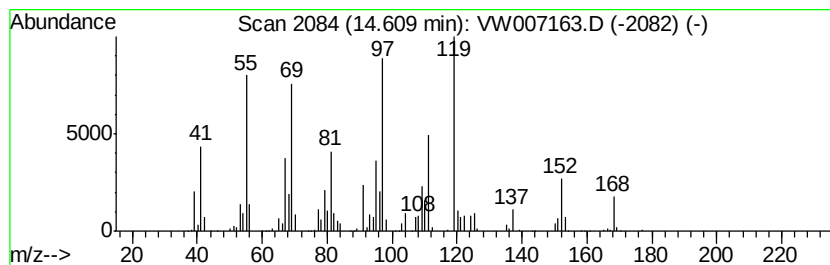
Instrument :
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis

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

Peak Number 73 unknown-05 Concentration Rank 79

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.61	3.13 ug/L	1989340	1,4-Dichlorobenzene-d4	13.57
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		o-Toluic acid, 2-ethylcyclohexyl...	246 C16H22O2	1000293-34-8 35
2		1(2H)-Naphthalenone, octahydro-,...	152 C10H16O	1000141-71-1 27
3		Trans-1-methyl-2-nonyl-cyclohexane	224 C16H32	1000371-47-8 22
4		Cyclohexane, 1-ethyl-4-methyl-, ...	126 C9H18	006236-88-0 18
5		5-Amino-3-methylpyrazole	97 C4H7N3	031230-17-8 18



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9Y04

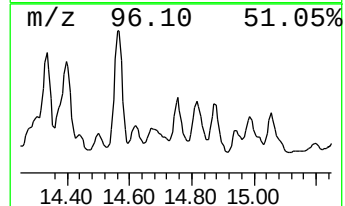
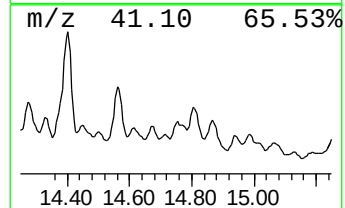
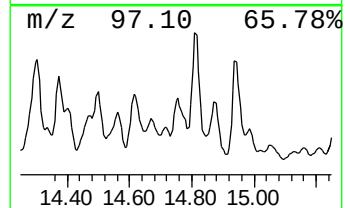
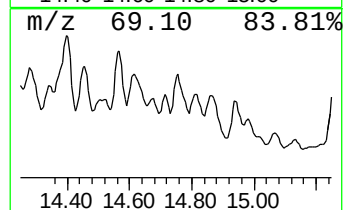
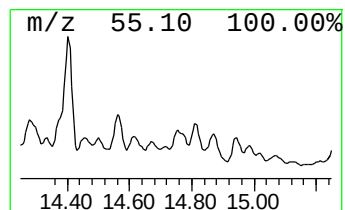
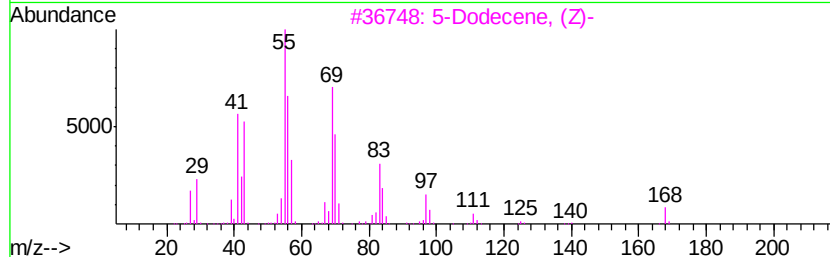
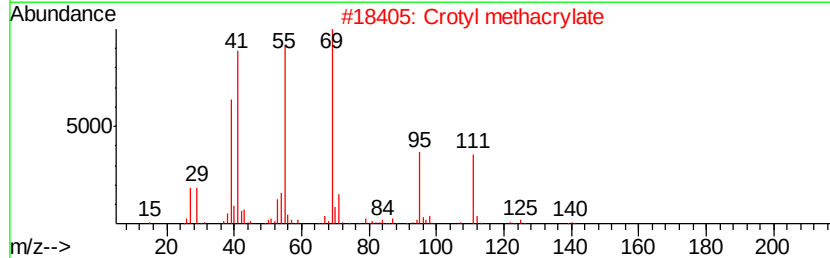
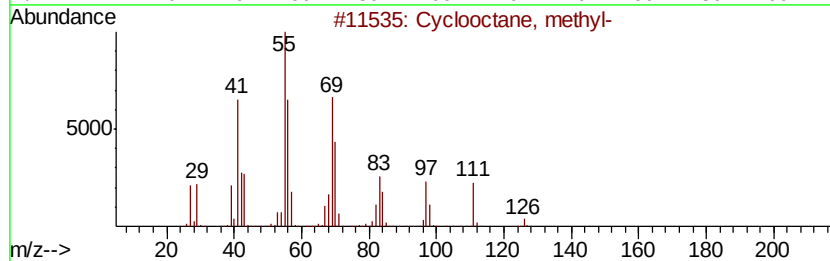
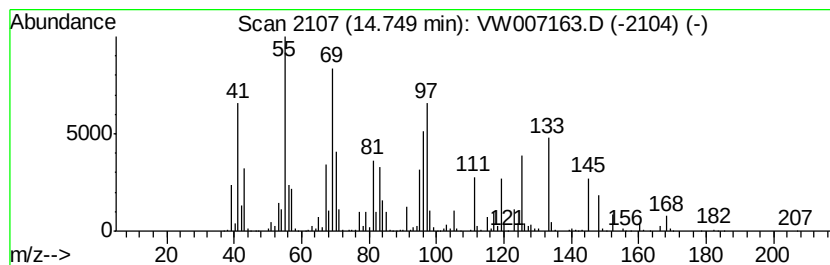
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Quant Title : VOC Analysis

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

Peak Number 74 (DEL) Alkane: Cyclic14.75 Concentration Rank 71

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.75	4.78 ug/L	3036780	1,4-Dichlorobenzene-d4	13.57

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclooctane, methyl-	126	C9H18	001502-38-1	46
2			Crotyl methacrylate	140	C8H12O2	007376-45-6	38
3			5-Dodecene, (Z)-	168	C12H24	007206-28-2	30
4			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	25
5			3-Dodecene, (E)-	168	C12H24	007206-14-6	25



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9Y04

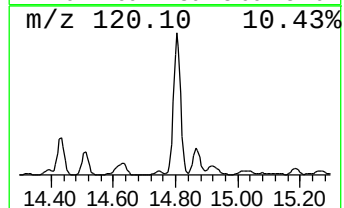
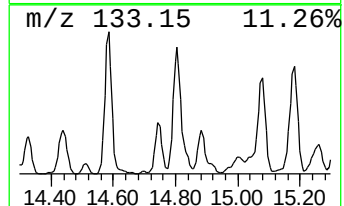
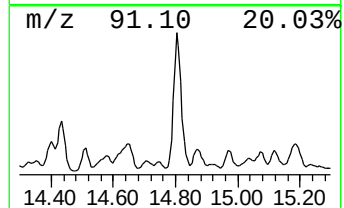
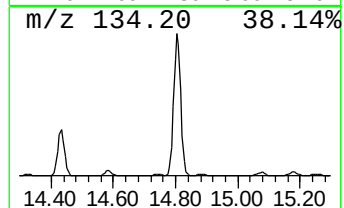
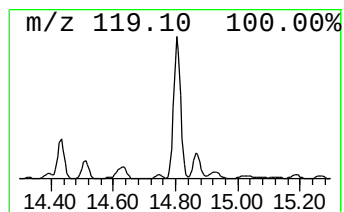
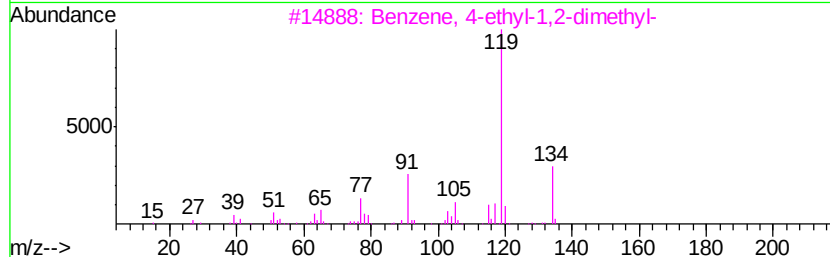
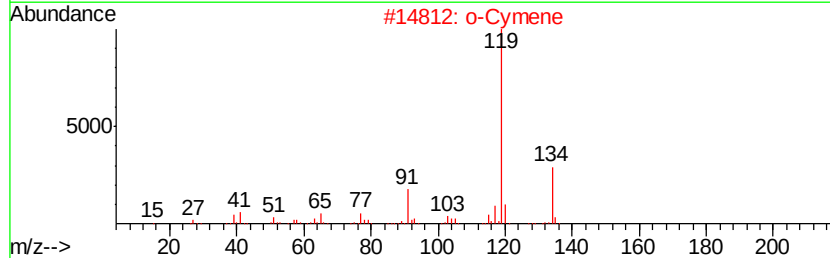
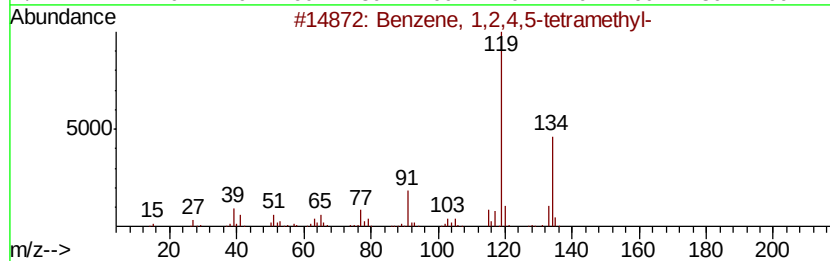
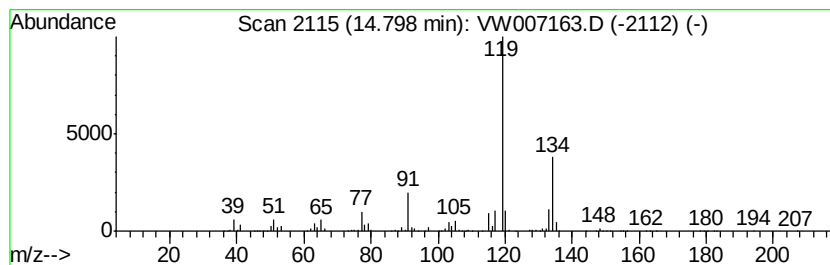
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Quant Title : VOC Analysis

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

Peak Number 75 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	28.82 ug/L	18321200	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
2		o-Cymene	134	C10H14	000527-84-4	93
3		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93
4		o-Cymene	134	C10H14	000527-84-4	93
5		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	93



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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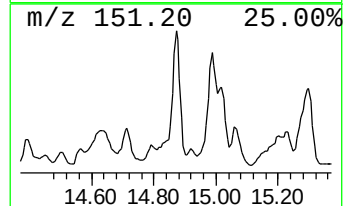
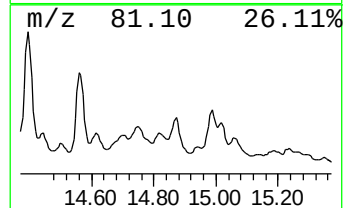
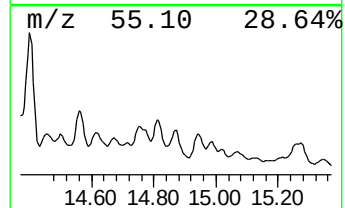
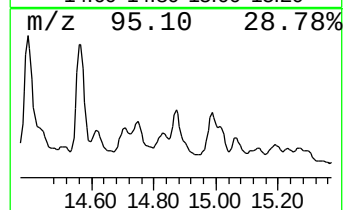
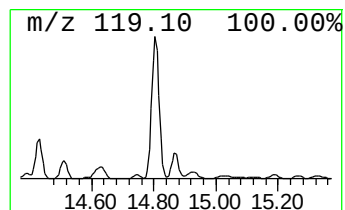
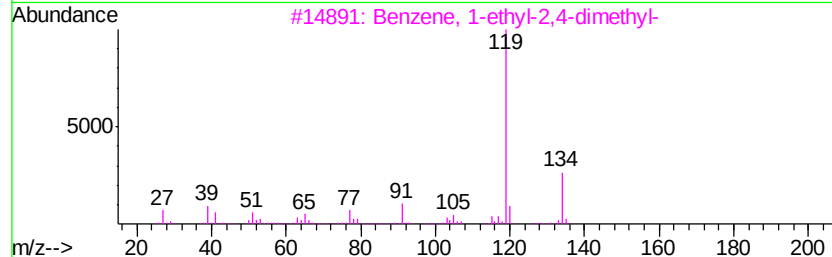
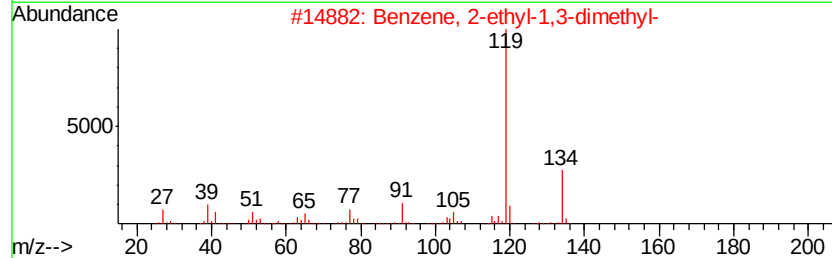
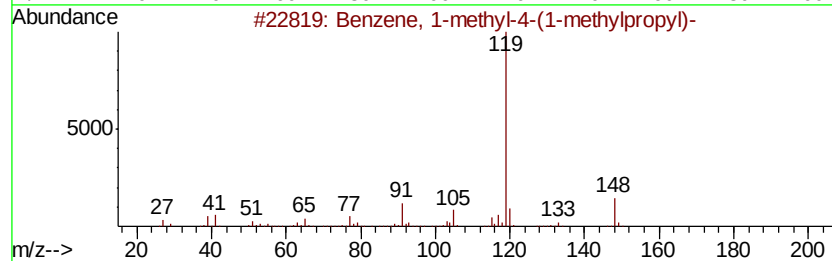
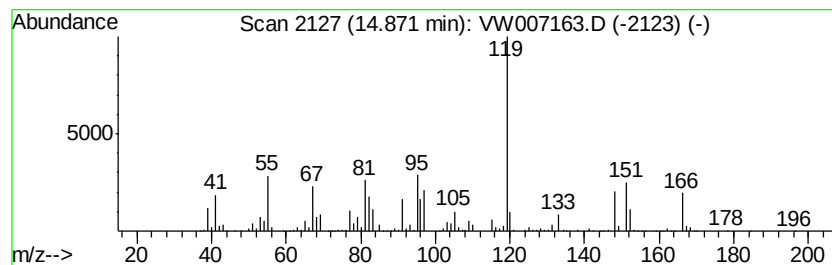
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Quant Title : VOC Analysis

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

Peak Number 76 unknown-06 Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.87	10.96 ug/L	6964270	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	46
2		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	38
3		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	38
4		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	35
5		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	35



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9Y04

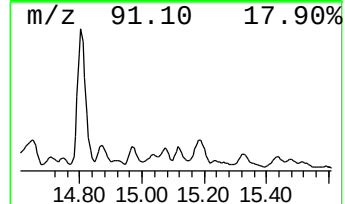
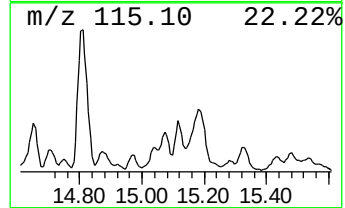
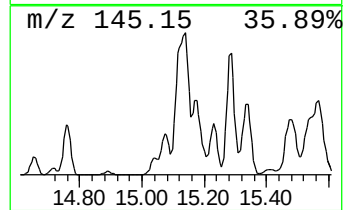
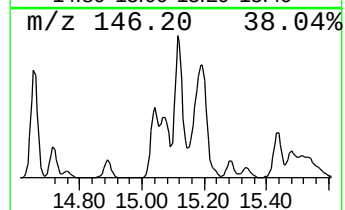
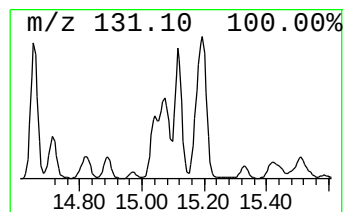
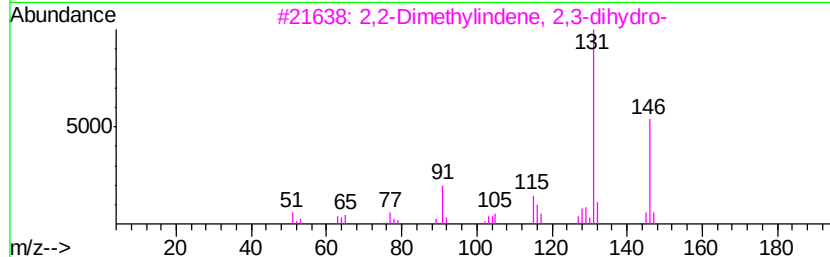
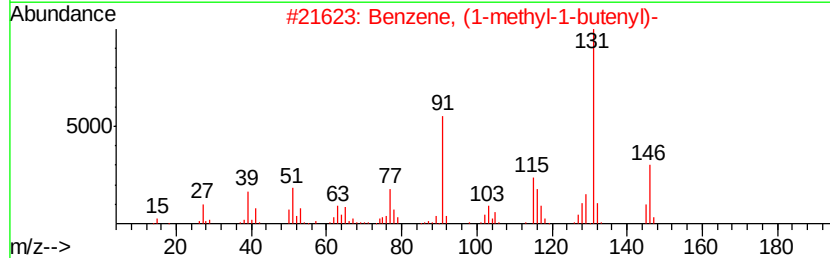
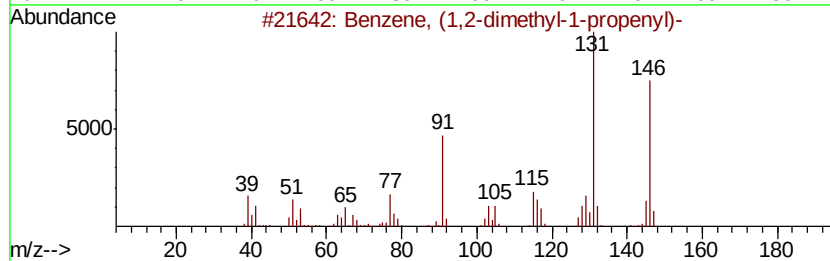
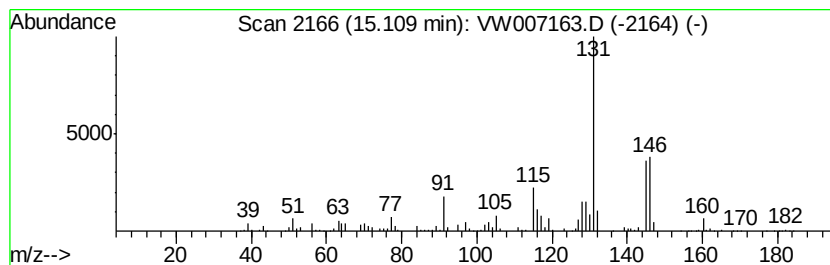
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Quant Title : VOC Analysis

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

Peak Number 77 Benzene, (1,2-dimethyl-1-propenyl)- Concentration Rank 74

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.11	3.86 ug/L	2451160	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	95
2		Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	91
3		2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	90
4		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	87
5		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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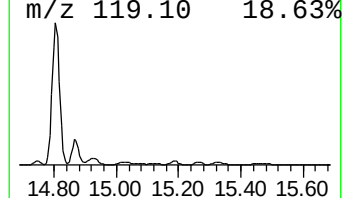
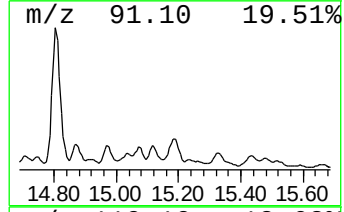
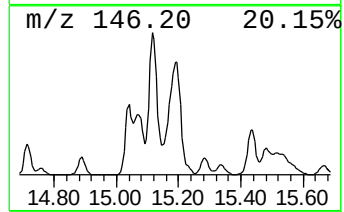
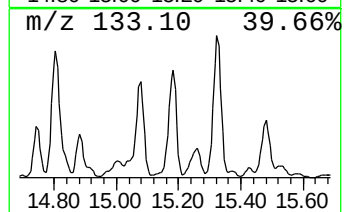
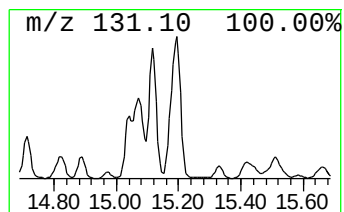
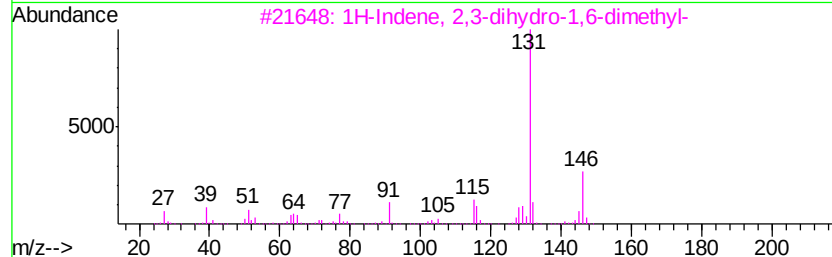
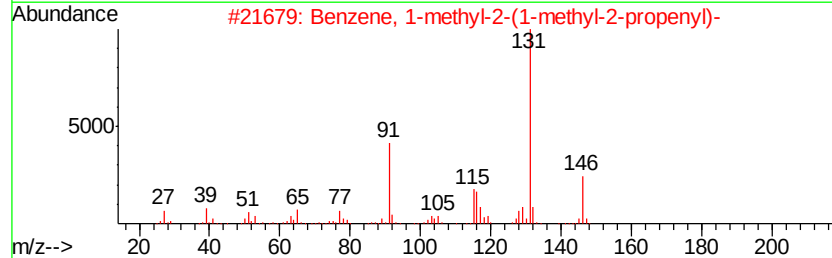
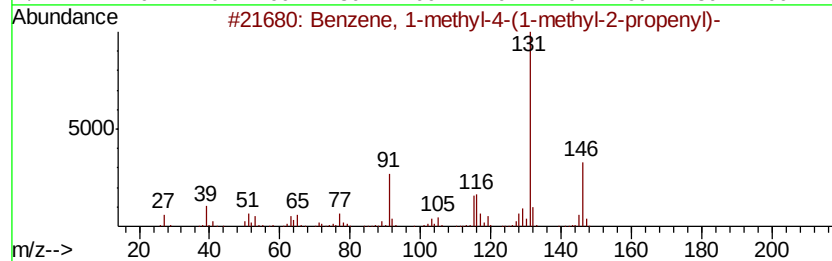
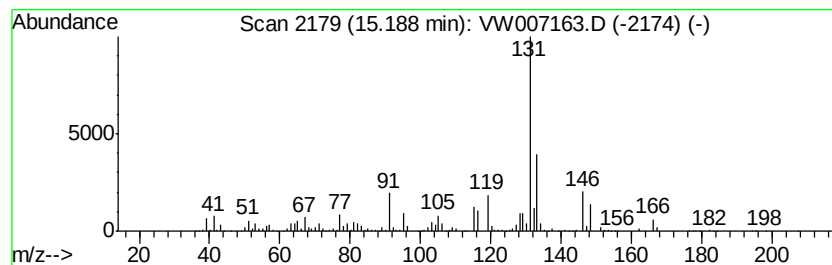
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Quant Title : VOC Analysis

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

Peak Number 78 Benzene, 1-methyl-4-(1-meth... Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	6.00 ug/L	3817020	1,4-Dichlorobenzene-d4	13.57

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	70
2			Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	64
3			1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	64
4			1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	64
5			Bicyclo[4.2.0]octa-1,3,5-triene,...	146	C11H14	027087-54-3	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9Y04

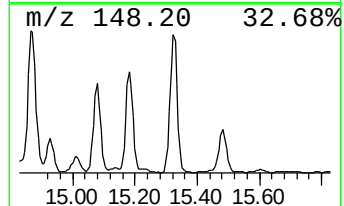
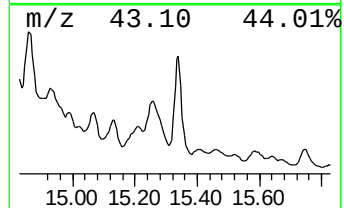
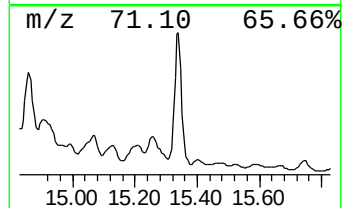
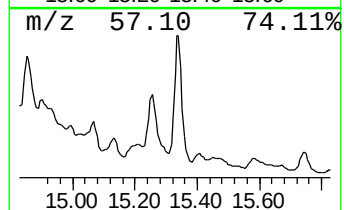
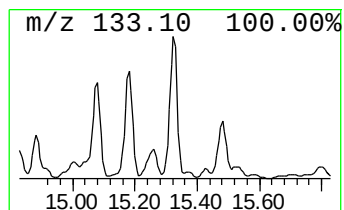
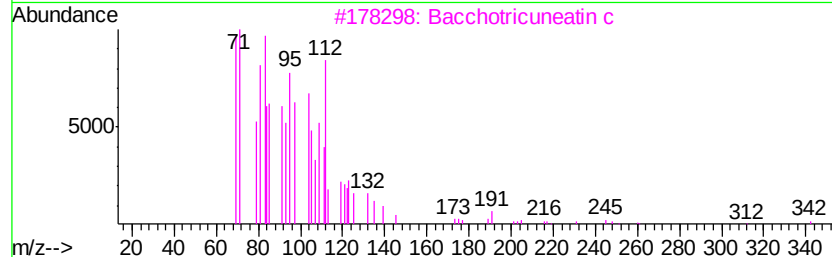
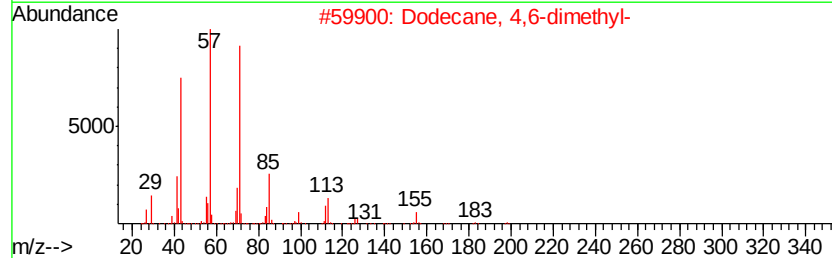
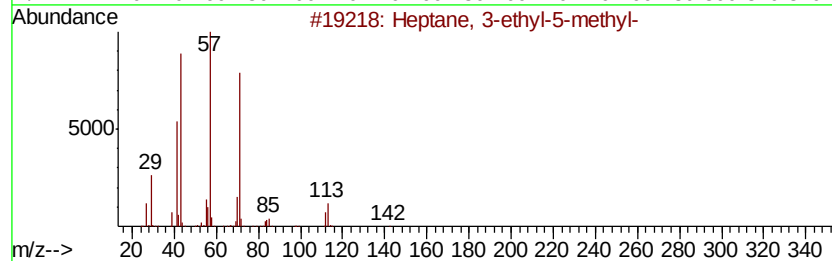
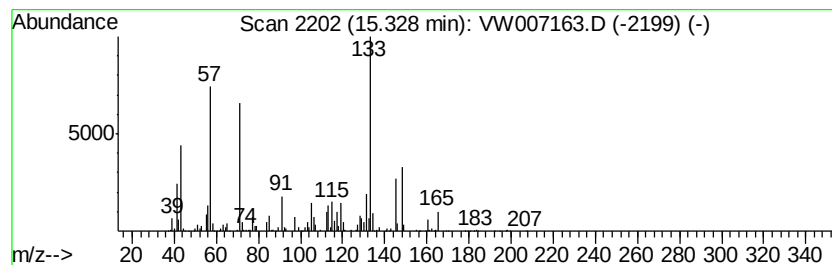
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Quant Title : VOC Analysis

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

Peak Number 79 (DEL) Alkane: Straight-Chai... Concentration Rank 77

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	3.62 ug/L	2302220	1,4-Dichlorobenzene-d4	13.57

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	50
2			Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	43
3			Bacchotricuneatin c	342	C20H22O5	066563-30-2	43
4			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	38
5			Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120318\
Data File : VW007163.D
Acq On : 03 Dec 2018 14:40
Operator : SY/AP
Sample : J6077-19
Misc : 5.82G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9Y04

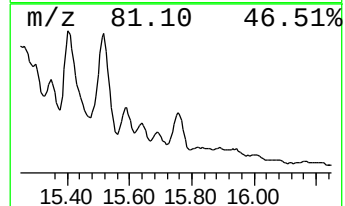
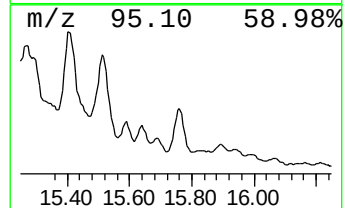
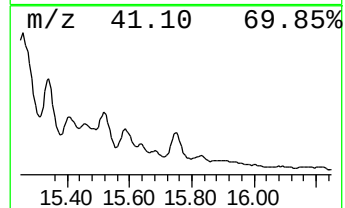
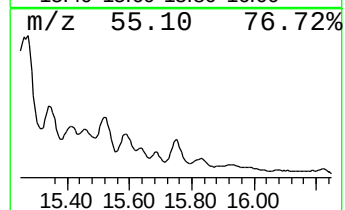
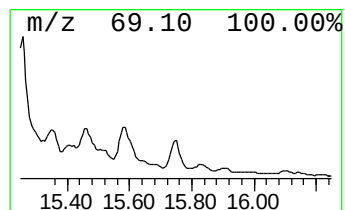
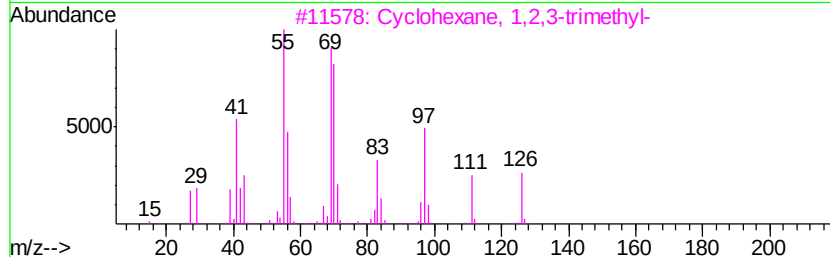
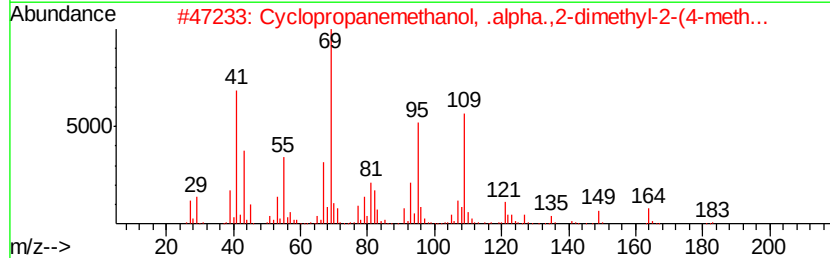
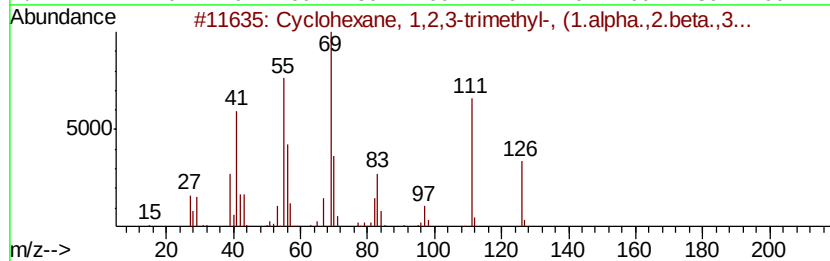
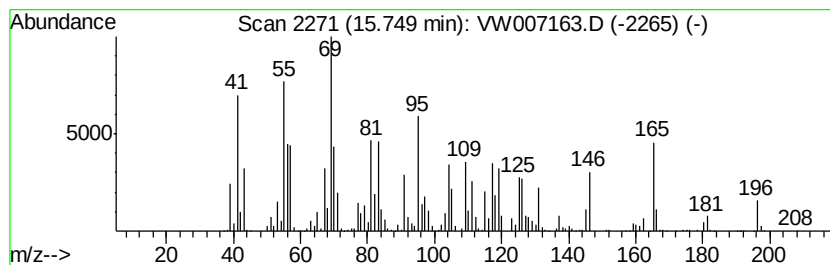
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Quant Title : VOC Analysis

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

Peak Number 80 (DEL) Alkane: Cyclic15.75 Concentration Rank 80

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.75	3.05 ug/L	1939040	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,2,3-trimethyl-, (...)	126	C9H18	001678-81-5	30
2		Cyclopropanemethanol, .alpha.,2-...	182	C12H22O	121959-70-4	30
3		Cyclohexane, 1,2,3-trimethyl-	126	C9H18	001678-97-3	30
4		Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	25
5		6-Dodecene, (E)-	168	C12H24	007206-17-9	25



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120318\
 Data File : VW007163.D
 Acq On : 03 Dec 2018 14:40
 Operator : SY/AP
 Sample : J6077-19
 Misc : 5.82G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 F9Y04

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	62.0	ug/L	831856	1	8.84	335377	25.0	
(DEL) Alkane: Str...	4.90	59.8	ug/L	802164	1	8.84	335377	25.0	
(DEL) Alkane: Str...	5.44	401.5	ug/L	5385730	1	8.84	335377	25.0	
(DEL) Alkane: Str...	6.72	25.3	ug/L	339076	1	8.84	335377	25.0	
(DEL) Alkane: Str...	6.88	66.5	ug/L	892275	1	8.84	335377	25.0	
(DEL) Alkane: Str...	7.70	23.1	ug/L	309545	1	8.84	335377	25.0	
(DEL) Alkane: Str...	8.04	291.8	ug/L	3914460	1	8.84	335377	25.0	
(DEL) Alkane: Str...	8.16	26.5	ug/L	355104	1	8.84	335377	25.0	
(DEL) Alkane: Cyc...	8.22	389.1	ug/L	5220230	1	8.84	335377	25.0	
(DEL) Alkane: Cyc...	8.44	1070.4	ug/L	14359000	1	8.84	335377	25.0	
(DEL) Alkane: Cyc...	8.51	746.4	ug/L	10012500	1	8.84	335377	25.0	
(DEL) Alkane: Cyc...	8.58	1422.2	ug/L	19079200	1	8.84	335377	25.0	
(DEL) Alkane: Str...	9.15	21.6	ug/L	289457	1	8.84	335377	25.0	
(DEL) Alkane: Cyc...	9.52	20.3	ug/L	271594	1	8.84	335377	25.0	
(DEL) Alkane: Cyc...	9.62	945.0	ug/L	12676900	1	8.84	335377	25.0	
(DEL) Alkane: Cyc...	9.76	1110.4	ug/L	14896600	1	8.84	335377	25.0	
(DEL) Alkane: Str...	9.90	198.9	ug/L	2667690	1	8.84	335377	25.0	
(DEL) Alkane: Str...	9.95	169.5	ug/L	2273470	1	8.84	335377	25.0	
(DEL) Alkane: Cyc...	10.09	455.3	ug/L	6107250	1	8.84	335377	25.0	
(DEL) Alkane: Str...	10.13	192.7	ug/L	2585130	1	8.84	335377	25.0	
(DEL) Alkane: Cyc...	10.22	201.1	ug/L	2698190	1	8.84	335377	25.0	
(DEL) Alkane: Cyc...	10.45	33.5	ug/L	3948960	2	11.63	2942650	25.0	
(DEL) Alkane: Cyc...	10.51	135.4	ug/L	15943400	2	11.63	2942650	25.0	
(DEL) Alkane: Cyc...	10.67	135.5	ug/L	15946000	2	11.63	2942650	25.0	
(DEL) Alkane: Str...	10.77	69.1	ug/L	8134300	2	11.63	2942650	25.0	
(DEL) Alkane: Str...	10.81	7.5	ug/L	878226	2	11.63	2942650	25.0	
(DEL) Alkane: Cyc...	10.85	27.3	ug/L	3208350	2	11.63	2942650	25.0	
(DEL) Alkane: Str...	11.00	6.4	ug/L	748344	2	11.63	2942650	25.0	
(DEL) Alkane: Str...	11.05	63.4	ug/L	7463280	2	11.63	2942650	25.0	
(DEL) Alkane: Cyc...	11.19	215.2	ug/L	25331300	2	11.63	2942650	25.0	
(DEL) Alkane: Cyc...	11.24	199.6	ug/L	23491400	2	11.63	2942650	25.0	
(DEL) Alkane: Cyc...	11.29	14.6	ug/L	1716320	2	11.63	2942650	25.0	
unknown-01	11.34	85.4	ug/L	10051600	2	11.63	2942650	25.0	
(DEL) Alkane: Str...	11.39	23.7	ug/L	2785880	2	11.63	2942650	25.0	
(DEL) Alkane: Cyc...	11.44	99.0	ug/L	11657500	2	11.63	2942650	25.0	
(DEL) Alkane: Str...	11.51	20.1	ug/L	2364570	2	11.63	2942650	25.0	
(DEL) Alkane: Cyc...	11.57	21.3	ug/L	2512030	2	11.63	2942650	25.0	
Pentalene, octahy...	11.73	31.4	ug/L	3691390	2	11.63	2942650	25.0	
(DEL) Alkane: Cyc...	11.77	39.2	ug/L	4610500	2	11.63	2942650	25.0	
(DEL) Alkane: Cyc...	11.82	53.5	ug/L	6299400	2	11.63	2942650	25.0	
(DEL) Alkane: Cyc...	11.88	98.8	ug/L	11629000	2	11.63	2942650	25.0	
(DEL) Alkane: Cyc...	11.92	70.2	ug/L	8259970	2	11.63	2942650	25.0	
(DEL) Alkane: Cyc...	11.98	46.6	ug/L	5483760	2	11.63	2942650	25.0	
Cyclohexene, 1-me...	12.05	44.3	ug/L	5213460	2	11.63	2942650	25.0	
(DEL) Alkane: Cyc...	12.15	162.9	ug/L	19177000	2	11.63	2942650	25.0	
unknown-02	12.20	7.1	ug/L	838070	2	11.63	2942650	25.0	
(DEL) Alkane: Str...	12.27	138.0	ug/L	16248500	2	11.63	2942650	25.0	
1H-Indene, octahy...	12.35	160.2	ug/L	18860400	2	11.63	2942650	25.0	
(DEL) Alkane: Str...	12.38	181.0	ug/L	21303700	2	11.63	2942650	25.0	

unknown-03	12.57	12.1 ug/L	1429170	2	11.63	2942650	25.0
(DEL) Alkane: Cyc...	12.63	5.2 ug/L	3332130	3	13.57	15891900	25.0
(DEL) Alkane: Cyc...	12.76	3.6 ug/L	2318860	3	13.57	15891900	25.0
(DEL) Alkane: Cyc...	12.79	34.2 ug/L	21736700	3	13.57	15891900	25.0
unknown-04	12.87	14.2 ug/L	9031080	3	13.57	15891900	25.0
(DEL) Alkane: Cyc...	12.95	36.3 ug/L	23052700	3	13.57	15891900	25.0
(DEL) Alkane: Cyc...	13.00	9.8 ug/L	6224520	3	13.57	15891900	25.0
(DEL) Alkane: Cyc...	13.09	6.3 ug/L	3975930	3	13.57	15891900	25.0
Sulfurous acid, c...	13.13	3.8 ug/L	2414130	3	13.57	15891900	25.0
Pentalene, octahy...	13.19	11.1 ug/L	7056230	3	13.57	15891900	25.0
Naphthalene, deca...	13.27	4.7 ug/L	2966620	3	13.57	15891900	25.0
(DEL) Alkane: Str...	13.30	3.9 ug/L	2458680	3	13.57	15891900	25.0
(DEL) Alkane: Str...	13.36	7.1 ug/L	4526380	3	13.57	15891900	25.0
(DEL) Alkane: Cyc...	13.46	25.0 ug/L	15891900	3	13.57	15891900	25.0
(DEL) Alkane: Cyc...	13.71	17.2 ug/L	10938900	3	13.57	15891900	25.0
Ethanone, 1-(1-me...	13.93	5.8 ug/L	3666740	3	13.57	15891900	25.0
Ketone, 2,2-dimet...	13.99	6.3 ug/L	3971910	3	13.57	15891900	25.0
Benzene, 2-ethyl-...	14.11	12.5 ug/L	7952610	3	13.57	15891900	25.0
Cyclohexene, 3,3,...	14.28	6.7 ug/L	4264020	3	13.57	15891900	25.0
5-Eicosyne	14.33	3.6 ug/L	2266490	3	13.57	15891900	25.0
(DEL) Alkane: Cyc...	14.40	28.8 ug/L	18326500	3	13.57	15891900	25.0
1-Methyldecahydro...	14.56	16.9 ug/L	10763400	3	13.57	15891900	25.0
unknown-05	14.61	3.1 ug/L	1989340	3	13.57	15891900	25.0
(DEL) Alkane: Cyc...	14.75	4.8 ug/L	3036780	3	13.57	15891900	25.0
Benzene, 1,2,4,5-...	14.80	28.8 ug/L	18321200	3	13.57	15891900	25.0
unknown-06	14.87	11.0 ug/L	6964270	3	13.57	15891900	25.0
Benzene, (1,2-dim...	15.11	3.9 ug/L	2451160	3	13.57	15891900	25.0
Benzene, 1-methyl...	15.19	6.0 ug/L	3817020	3	13.57	15891900	25.0
(DEL) Alkane: Str...	15.33	3.6 ug/L	2302220	3	13.57	15891900	25.0
(DEL) Alkane: Cyc...	15.75	3.0 ug/L	1939040	3	13.57	15891900	25.0

Instrument :
MSVOA_W
ClientSampleId :
F9Y04