

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122718\
 Data File : VW007964.D
 Acq On : 27 Dec 2018 12:23
 Operator : SY/AP
 Sample : J6489-07
 Misc : 5.05G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 F9F75

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\SOM2WLM122618S.M
 Title : VOC Analysis

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.355	63	74	84	rBV	18286	41203	6.61%	0.274%
2	2.891	153	162	175	rBV	10920	29126	4.67%	0.194%
3	4.007	334	345	357	rVV2	39348	117691	18.89%	0.782%
4	5.165	523	535	550	rBB2	6842	23078	3.70%	0.153%
5	6.976	822	832	841	rVV2	16305	47684	7.65%	0.317%
6	7.074	841	848	854	rVV	8235	22378	3.59%	0.149%
7	7.641	932	941	953	rBV	56236	139873	22.44%	0.930%
8	7.951	981	992	999	rBV2	15573	42158	6.76%	0.280%
9	8.031	999	1005	1017	rVB4	10531	27789	4.46%	0.185%
10	8.275	1037	1045	1059	rVB2	106177	317168	50.89%	2.108%
11	8.427	1059	1070	1077	rVV7	8815	32428	5.20%	0.215%
12	8.573	1087	1094	1106	rVV2	41972	98055	15.73%	0.652%
13	8.842	1129	1138	1157	rBV	148452	318214	51.06%	2.115%
14	9.281	1201	1210	1215	rBV4	76325	208405	33.44%	1.385%
15	9.335	1215	1219	1224	rVB3	49349	94977	15.24%	0.631%
16	9.512	1243	1248	1255	rVB2	17009	35714	5.73%	0.237%
17	9.610	1255	1264	1270	rVB2	32019	65229	10.47%	0.433%
18	9.707	1270	1280	1282	rBV5	11299	29802	4.78%	0.198%
19	9.750	1282	1287	1300	rVB3	41269	86474	13.88%	0.575%
20	9.896	1300	1311	1315	rBV2	24275	59068	9.48%	0.393%
21	10.036	1325	1334	1338	rBV2	42062	88200	14.15%	0.586%
22	10.079	1338	1341	1346	rVB2	13938	23112	3.71%	0.154%
23	10.250	1364	1369	1374	rVB2	23998	42108	6.76%	0.280%
24	10.323	1374	1381	1386	rBV	242488	458176	73.52%	3.045%
25	10.445	1396	1401	1404	rBV	26541	44169	7.09%	0.294%
26	10.506	1404	1411	1418	rVB3	91461	228709	36.70%	1.520%
27	10.579	1418	1423	1426	rBV	25967	42507	6.82%	0.282%
28	10.616	1426	1429	1432	rVB3	17726	25079	4.02%	0.167%
29	10.664	1432	1437	1443	rVB	91626	151468	24.31%	1.007%
30	10.750	1443	1451	1458	rBV4	113427	276000	44.29%	1.834%
31	10.823	1458	1463	1466	rBV3	18631	39830	6.39%	0.265%
32	10.933	1472	1481	1488	rBV2	93193	216180	34.69%	1.437%
33	11.018	1488	1495	1500	rBV5	57645	125388	20.12%	0.833%
34	11.103	1505	1509	1512	rVV4	44110	84184	13.51%	0.559%

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Integrator: RTE
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 Title : VOC Analysis

35	11.146	1512	1516	1518	rVV4	46866	85387	13.70%	0.567%
36	11.177	1518	1521	1525	rVV2	109468	194721	31.25%	1.294%
37	11.231	1525	1530	1536	rVV2	133524	274937	44.12%	1.827%
38	11.286	1536	1539	1542	rVV3	31842	53420	8.57%	0.355%
39	11.335	1542	1547	1552	rVB2	60514	105839	16.98%	0.703%
40	11.439	1560	1564	1568	rBV3	49991	77201	12.39%	0.513%
41	11.555	1578	1583	1590	rVB5	38720	77469	12.43%	0.515%
42	11.634	1590	1596	1601	rBV2	227627	400543	64.27%	2.662%
43	11.731	1608	1612	1615	rBV3	30269	53454	8.58%	0.355%
44	11.768	1615	1618	1621	rVB2	30201	37093	5.95%	0.246%
45	11.811	1621	1625	1630	rVB4	63277	114323	18.34%	0.760%
46	11.878	1630	1636	1639	rBV2	95376	181630	29.15%	1.207%
47	11.975	1647	1652	1656	rBV4	30363	50797	8.15%	0.338%
48	12.036	1656	1662	1666	rBV	59746	102455	16.44%	0.681%
49	12.079	1666	1669	1673	rVB	28303	38757	6.22%	0.258%
50	12.140	1673	1679	1683	rBV	109981	229595	36.84%	1.526%
51	12.256	1694	1698	1702	rVB	138532	193522	31.05%	1.286%
52	12.341	1702	1712	1721	rBV7	128522	427313	68.57%	2.840%
53	12.420	1722	1725	1728	rVV4	49910	82593	13.25%	0.549%
54	12.463	1728	1732	1736	rVV2	63156	120658	19.36%	0.802%
55	12.530	1737	1743	1748	rVB7	57318	148390	23.81%	0.986%
56	12.615	1753	1757	1760	rBV4	33523	56195	9.02%	0.373%
57	12.652	1760	1763	1767	rVV3	49126	67027	10.76%	0.445%
58	12.701	1767	1771	1775	rVB3	94885	146125	23.45%	0.971%
59	12.786	1780	1785	1792	rBV7	77829	149639	24.01%	0.994%
60	12.859	1792	1797	1801	rBV3	24049	50346	8.08%	0.335%
61	12.926	1803	1808	1816	rVV4	87983	206804	33.19%	1.374%
62	12.999	1817	1820	1823	rVB3	33307	42783	6.87%	0.284%
63	13.079	1824	1833	1837	rBV4	107654	231833	37.20%	1.541%
64	13.133	1837	1842	1844	rBV	88026	138873	22.28%	0.923%
65	13.170	1844	1848	1855	rVB2	194039	321280	51.55%	2.135%
66	13.262	1860	1863	1866	rBV4	24118	29405	4.72%	0.195%
67	13.304	1866	1870	1874	rVB5	39545	67738	10.87%	0.450%
68	13.353	1874	1878	1880	rBV3	46954	69264	11.11%	0.460%
69	13.451	1891	1894	1897	rVB4	43954	57142	9.17%	0.380%
70	13.487	1897	1900	1903	rVB2	68514	77886	12.50%	0.518%
71	13.524	1903	1906	1908	rBV2	54551	60157	9.65%	0.400%

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72	13.560	1908	1912	1920	rVB	208620	343915	55.19%	2.285%
73	13.627	1920	1923	1927	rBV2	59858	94926	15.23%	0.631%
74	13.743	1939	1942	1947	rVB4	37102	57764	9.27%	0.384%
75	13.804	1948	1952	1955	rBV	84441	136616	21.92%	0.908%
76	13.883	1957	1965	1969	rVB2	131357	361312	57.98%	2.401%
77	13.987	1978	1982	1985	rBV2	59061	93964	15.08%	0.624%
78	14.139	2003	2007	2013	rVB3	142764	257319	41.29%	1.710%
79	14.213	2013	2019	2024	rBV5	83956	179326	28.78%	1.192%
80	14.267	2025	2028	2034	rVV5	67639	137761	22.11%	0.915%
81	14.322	2034	2037	2038	rVV	50837	57268	9.19%	0.381%
82	14.353	2039	2042	2045	rVV2	152990	267117	42.86%	1.775%
83	14.395	2045	2049	2053	rVB5	199279	327861	52.61%	2.179%
84	14.438	2053	2056	2059	rVB2	78135	90854	14.58%	0.604%
85	14.505	2063	2067	2070	rBV2	78756	103429	16.60%	0.687%
86	14.554	2070	2075	2081	rBV3	94239	248778	39.92%	1.653%
87	14.652	2088	2091	2096	rVB2	47140	76781	12.32%	0.510%
88	14.712	2097	2101	2104	rBV	77684	123313	19.79%	0.819%
89	14.804	2112	2116	2119	rBV2	96256	151846	24.37%	1.009%
90	14.847	2119	2123	2131	rVB	382480	623184	100.00%	4.141%
91	15.066	2156	2159	2163	rVB5	106971	158950	25.51%	1.056%
92	15.151	2163	2173	2180	rBV6	127927	464710	74.57%	3.088%
93	15.249	2181	2189	2198	rVV8	146569	608253	97.60%	4.042%
94	15.334	2199	2203	2210	rVB2	223195	398451	63.94%	2.648%
95	15.517	2230	2233	2239	rVB3	118912	214948	34.49%	1.428%
96	15.590	2240	2245	2250	rBV4	93999	198324	31.82%	1.318%
97	15.645	2250	2254	2256	rBV3	76659	130957	21.01%	0.870%
98	15.743	2265	2270	2276	rVB4	182325	313400	50.29%	2.083%
99	16.176	2337	2341	2346	rVB3	82188	132601	21.28%	0.881%
100	16.304	2358	2362	2368	rVB3	104575	189843	30.46%	1.262%

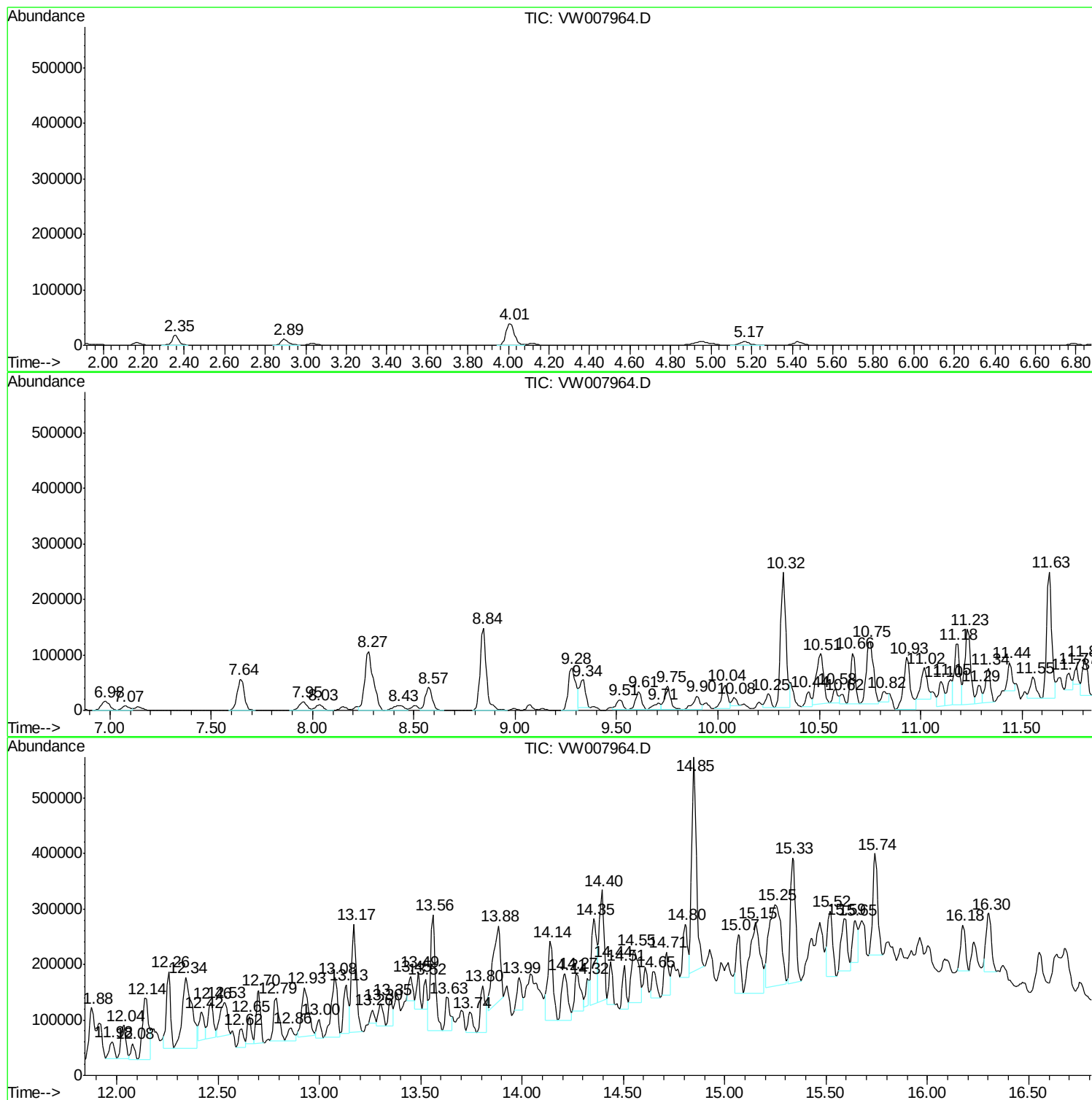
Sum of corrected areas: 15047989

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ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9F75

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122618S.M
Quant Title : VOC Analysis

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



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Instrument :
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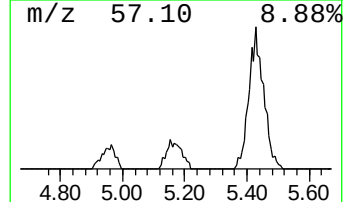
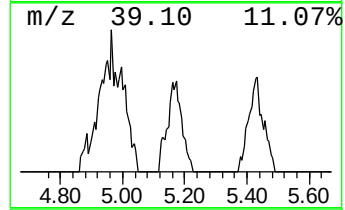
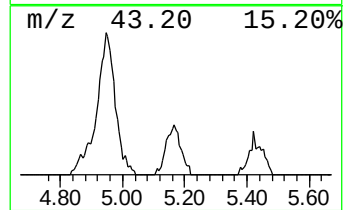
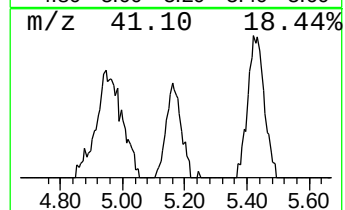
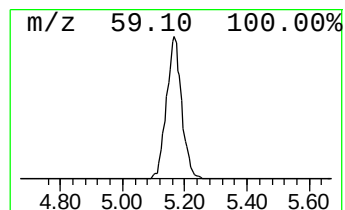
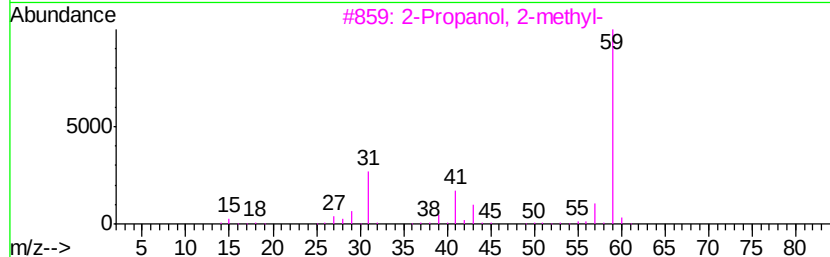
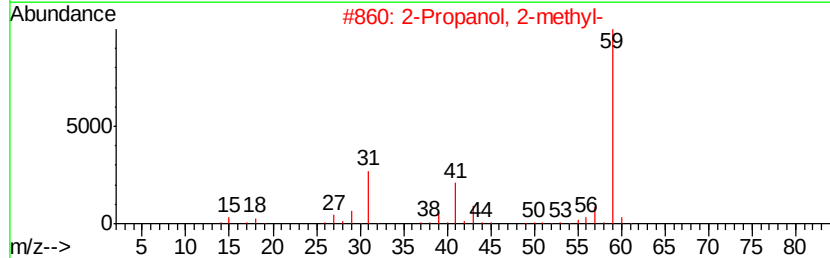
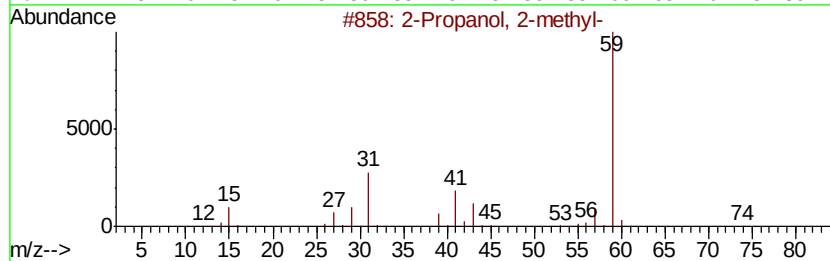
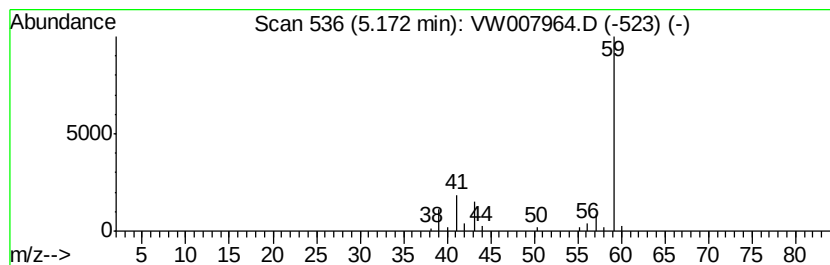
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122618S.M
Quant Title : VOC Analysis

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

Peak Number 1 2-Propanol, 2-methyl- Concentration Rank 78

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.17	1.81 ug/L	23078	1,4-Difluorobenzene	8.84

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Propanol, 2-methyl-	74	C4H10O	000075-65-0	64
2			2-Propanol, 2-methyl-	74	C4H10O	000075-65-0	64
3			2-Propanol, 2-methyl-	74	C4H10O	000075-65-0	43
4			Propanoic acid, 2-hydroxy-2-methyl-	104	C4H8O3	000594-61-6	39
5			3-Pentanol	88	C5H12O	000584-02-1	9



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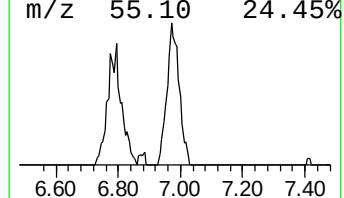
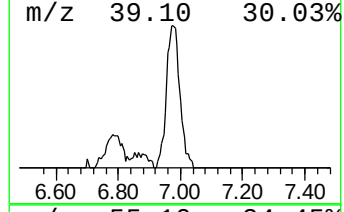
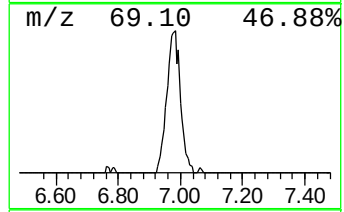
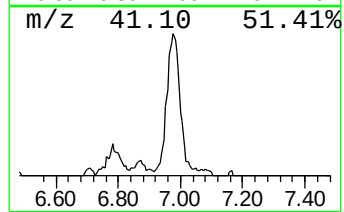
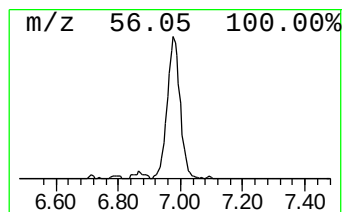
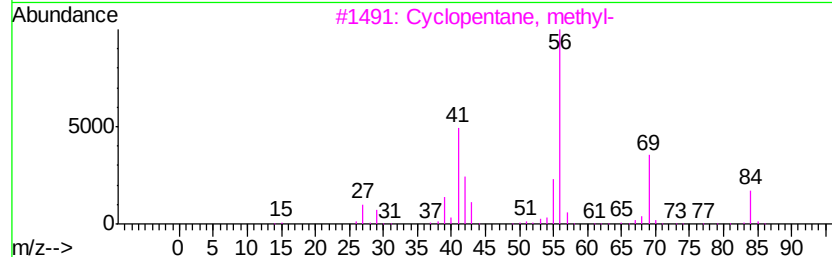
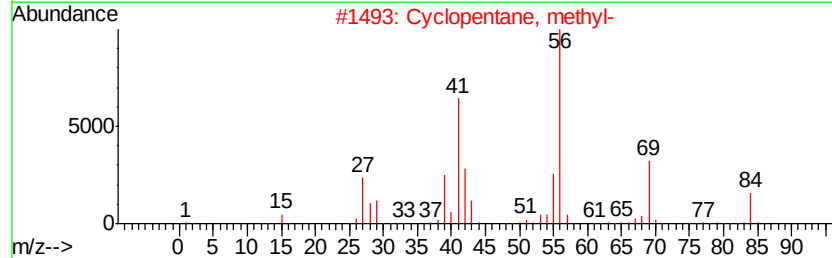
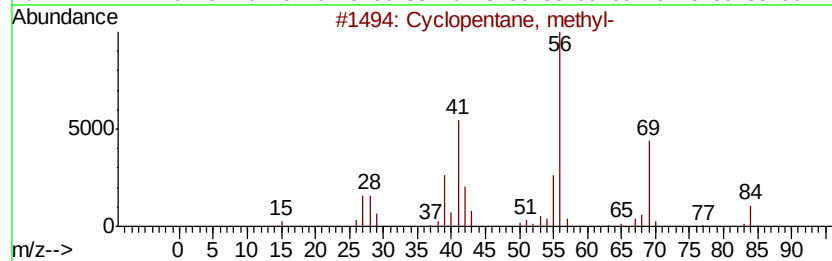
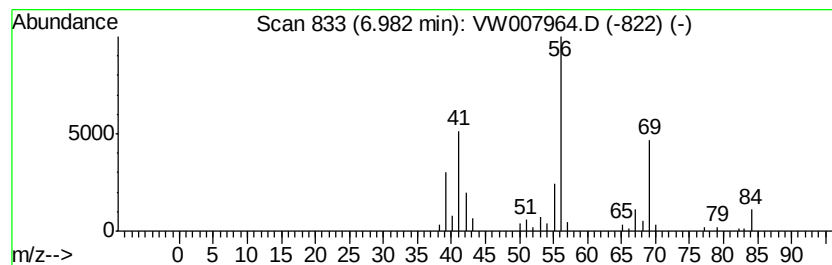
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 (DEL) Alkane: Cyclic6.98 Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.98	3.75 ug/L	47684	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, methyl-	84	C6H12	000096-37-7	90
2		Cyclopentane, methyl-	84	C6H12	000096-37-7	86
3		Cyclopentane, methyl-	84	C6H12	000096-37-7	80
4		Cyclopropane, propyl-	84	C6H12	002415-72-7	72
5		1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72



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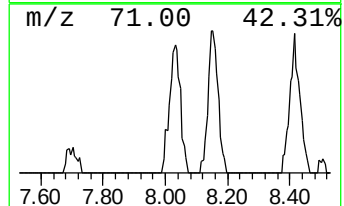
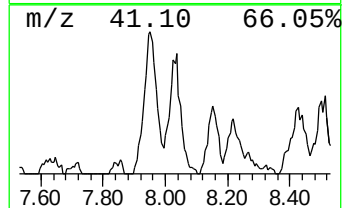
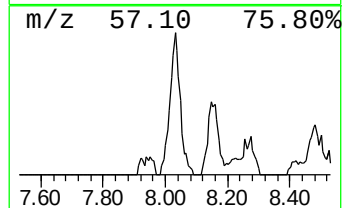
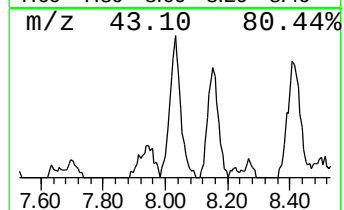
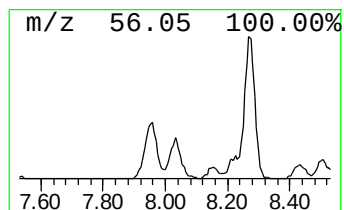
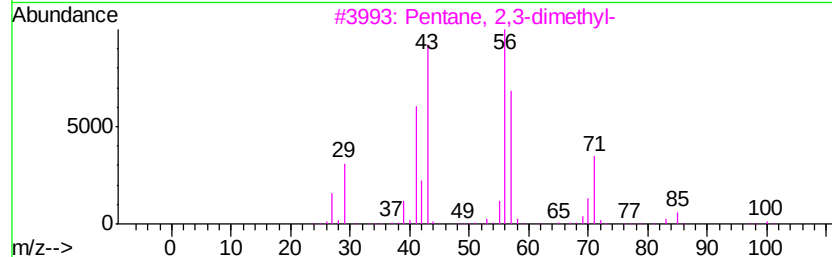
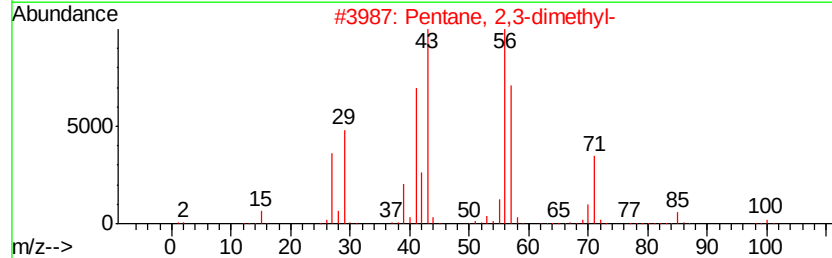
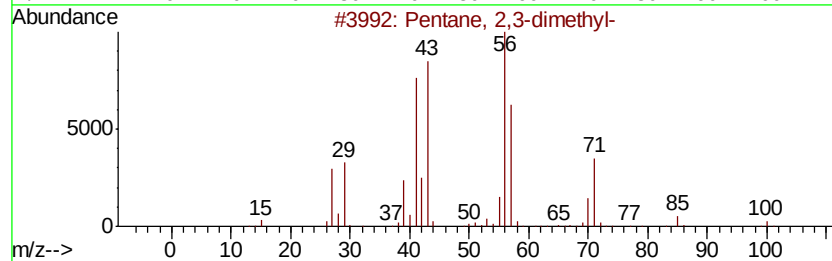
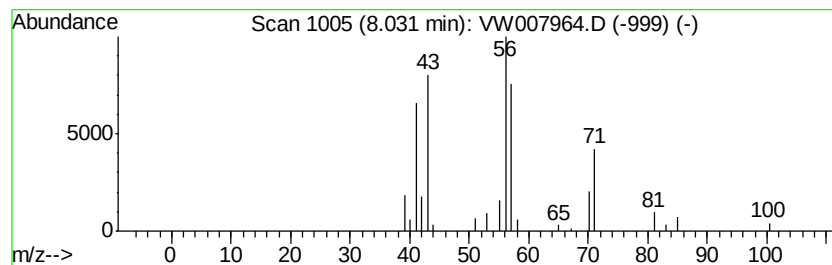
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Quant Title : VOC Analysis

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

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 75

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.03	2.18 ug/L	27789	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	80
2		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	72
3		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	59
4		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	58
5		1-Pentanol, 2,3-dimethyl-	116	C7H16O	010143-23-4	40



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9F75

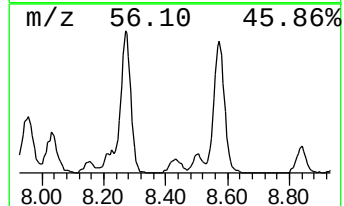
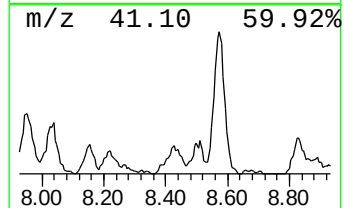
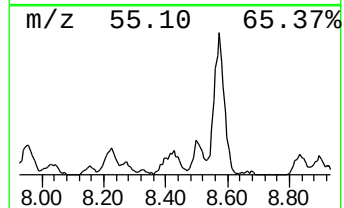
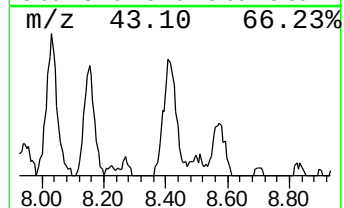
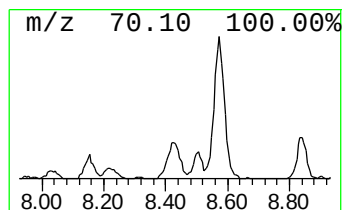
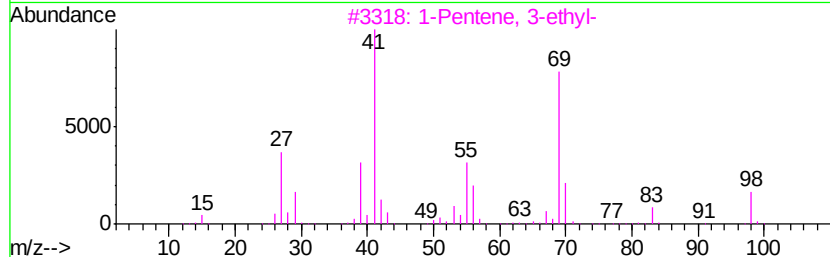
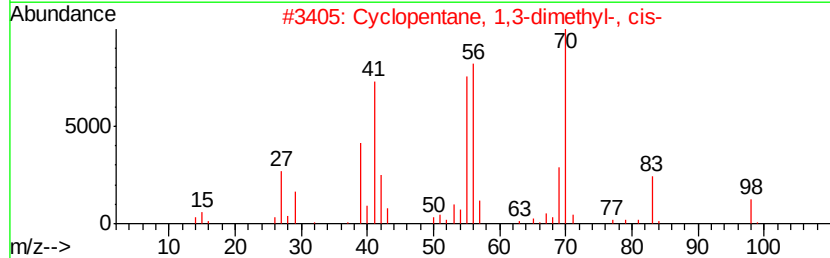
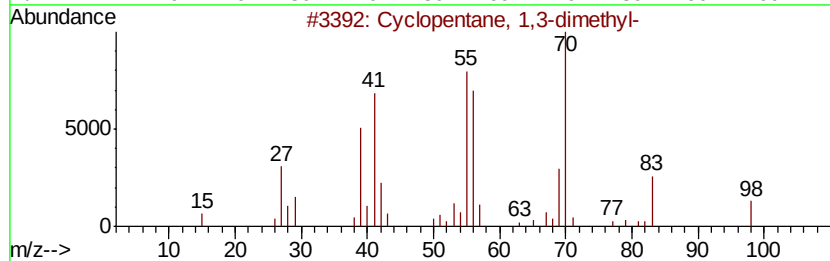
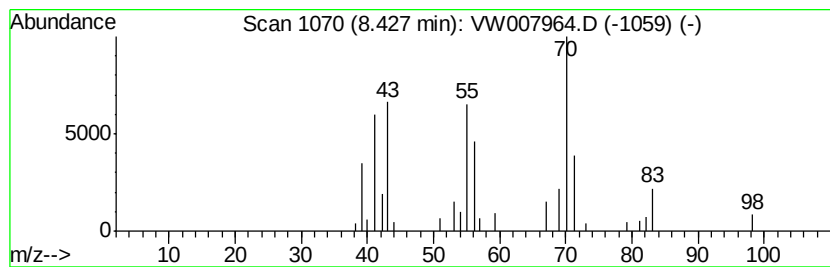
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Quant Title : VOC Analysis

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

Peak Number 4 (DEL) Alkane: Cyclic8.43 Concentration Rank 70

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.43	2.55 ug/L	32428	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	55
2		Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	43
3		1-Pentene, 3-ethyl-	98	C7H14	004038-04-4	43
4		Tridecane, 3-methylene-	196	C14H28	019780-34-8	42
5		Octane, 3-methyl-6-methylene-	140	C10H20	074630-07-2	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
F9F75

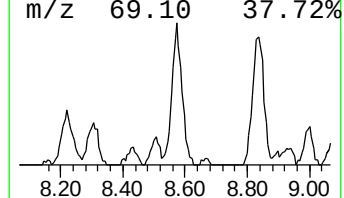
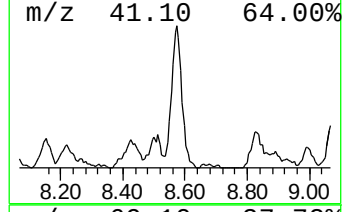
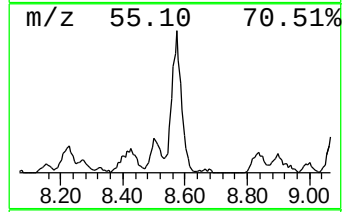
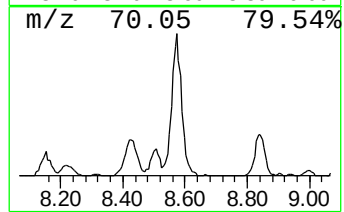
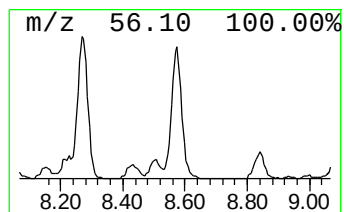
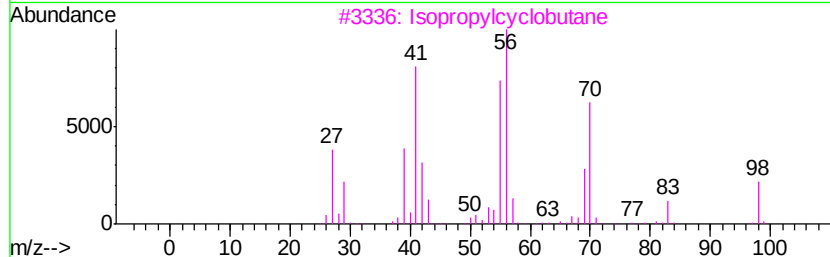
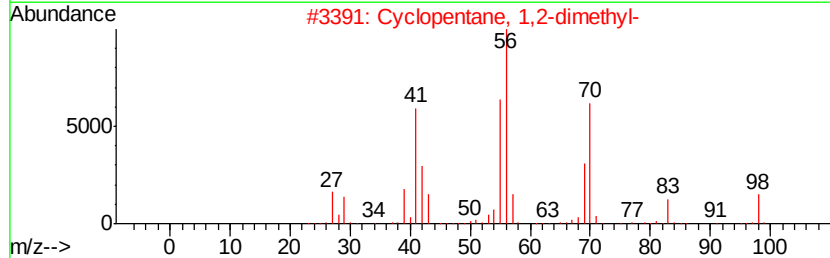
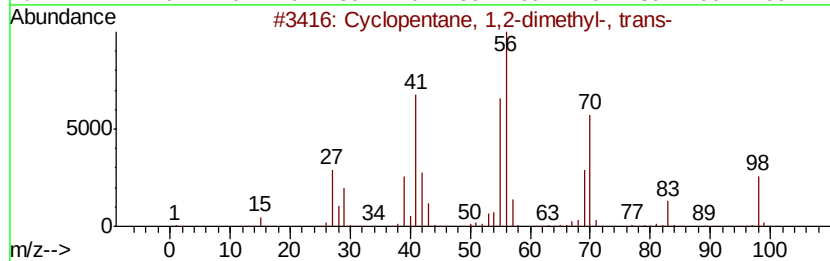
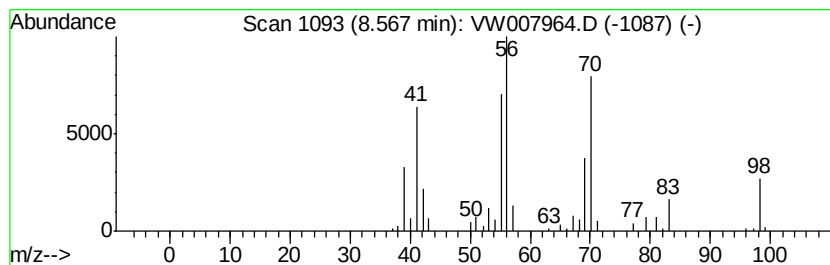
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Quant Title : VOC Analysis

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

Peak Number 5 (DEL) Alkane: Cyclic8.57 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.57	7.70 ug/L	98055	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	91
2		Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	91
3		Isopropylcyclobutane	98	C7H14	000872-56-0	91
4		Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	91
5		Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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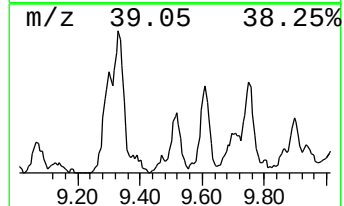
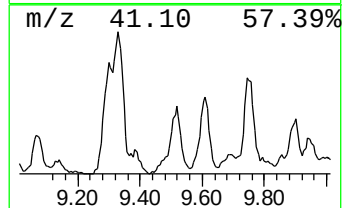
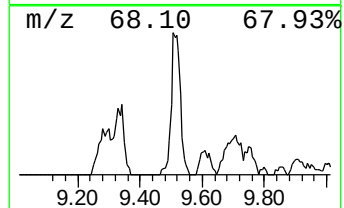
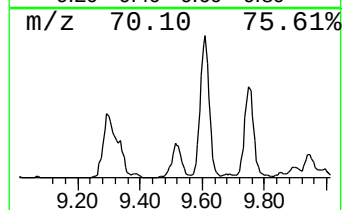
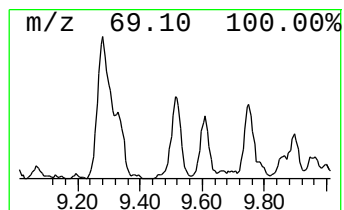
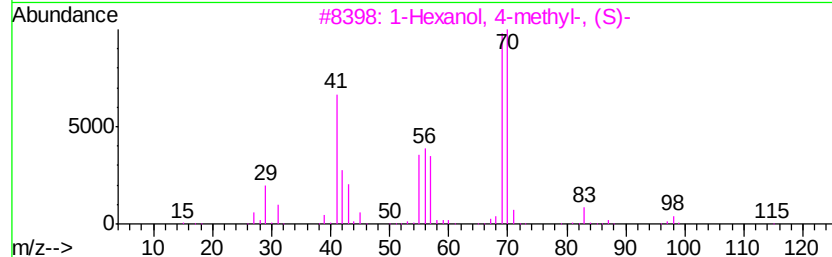
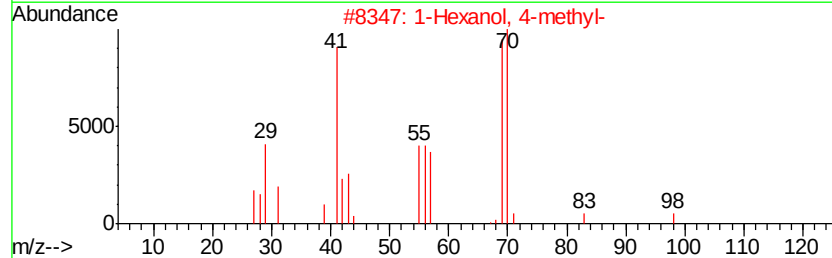
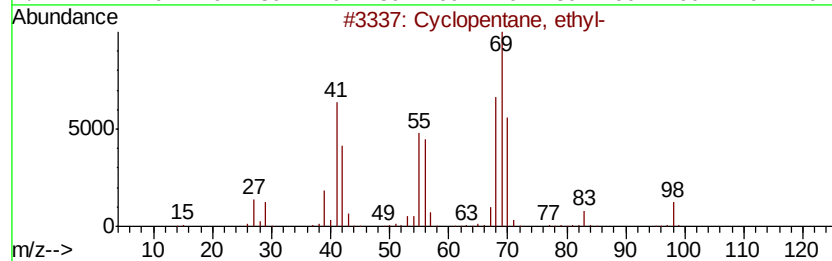
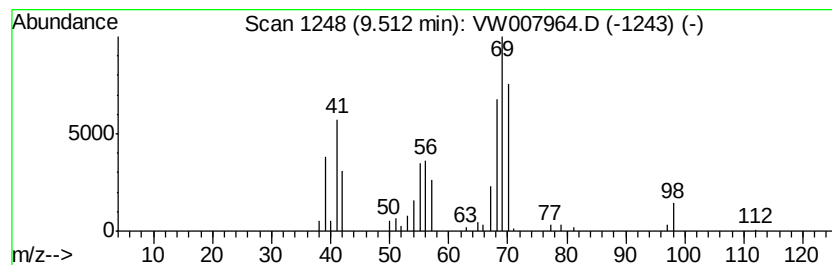
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Quant Title : VOC Analysis

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

Peak Number 6 (DEL) Alkane: Cyclic9.51 Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.51	2.81 ug/L	35714	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, ethyl-	98	C7H14	001640-89-7	52
2		1-Hexanol, 4-methyl-	116	C7H16O	000818-49-5	47
3		1-Hexanol, 4-methyl-, (S)-	116	C7H16O	001767-46-0	47
4		Acetic acid, trifluoro-, 1,5-pen...	296	C9H10F6O4	000453-44-1	32
5		1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	32



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9F75

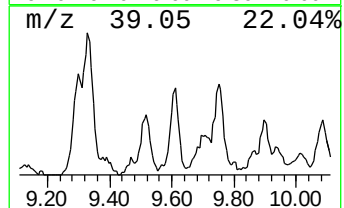
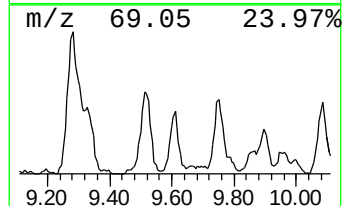
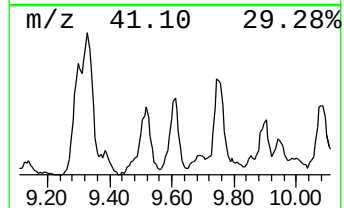
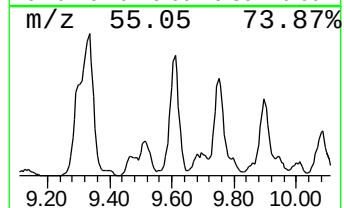
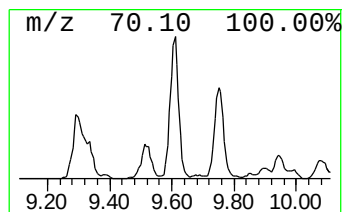
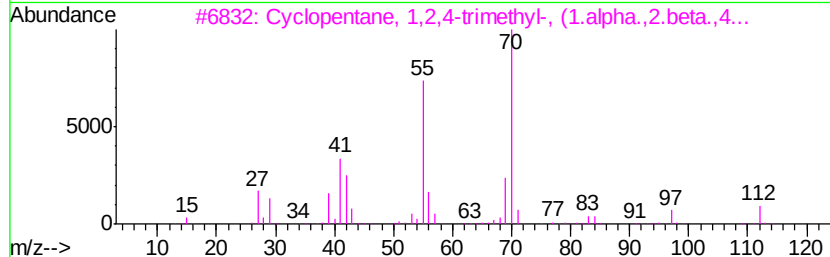
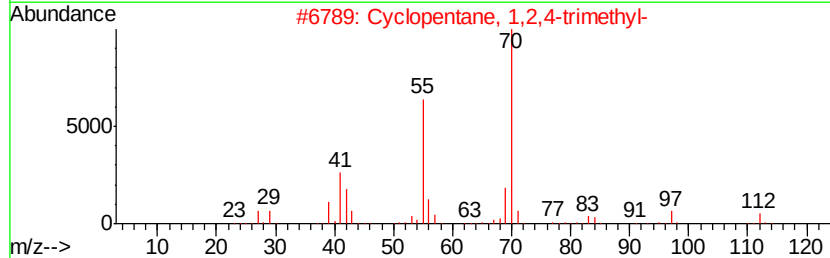
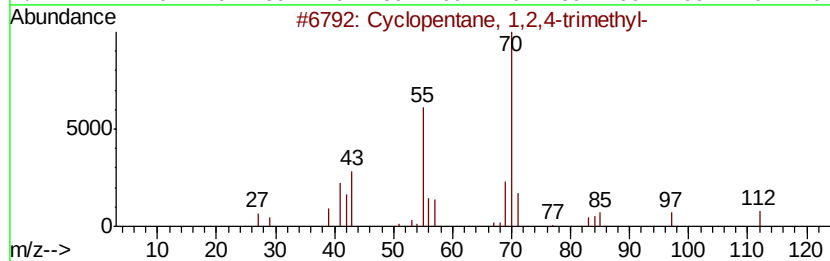
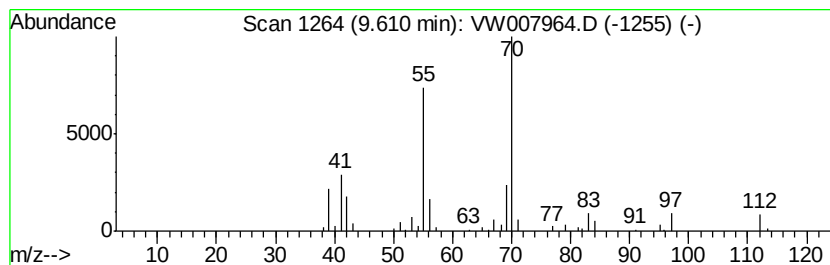
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Quant Title : VOC Analysis

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

Peak Number 7 (DEL) Alkane: Cyclic9.61 Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.61	5.12 ug/L	65229	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	91
2		Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	90
3		Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	90
4		Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	80
5		Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	78



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
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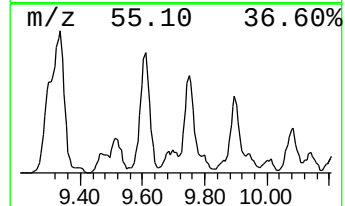
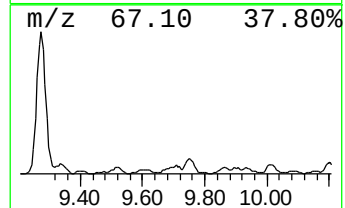
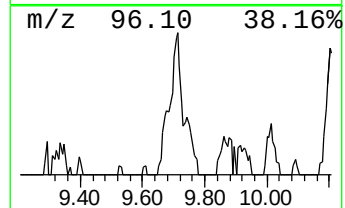
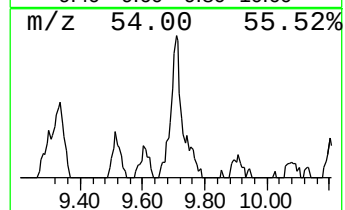
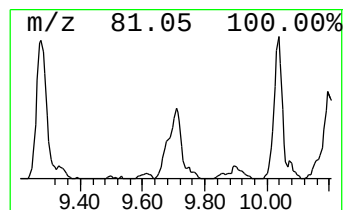
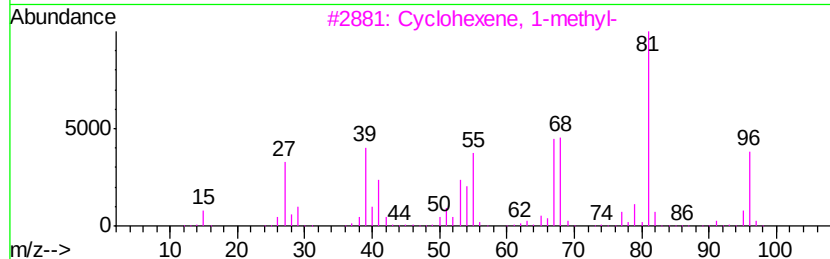
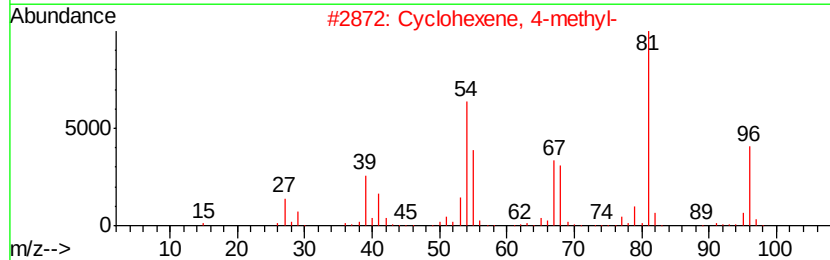
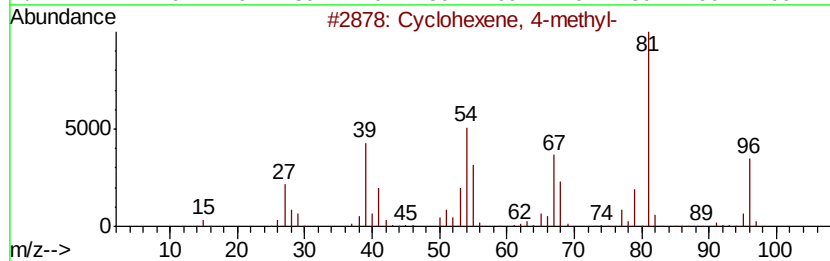
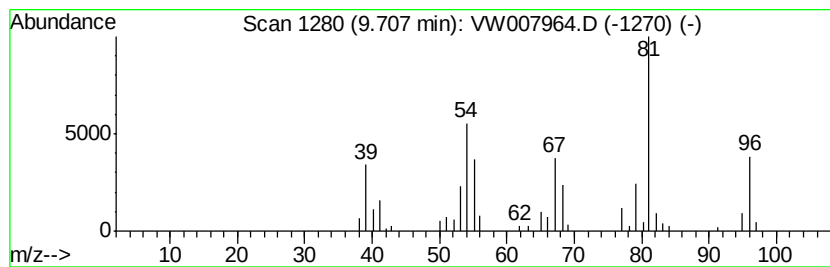
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Quant Title : VOC Analysis

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

Peak Number 8 Cyclohexene, 4-methyl- Concentration Rank 73

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.71	2.34 ug/L	29802	1,4-Difluorobenzene	8.84

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	97
2			Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	90
3			Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	76
4			1,4-Hexadiene, 4-methyl-	96	C7H12	001116-90-1	76
5			1,4-Hexadiene, 5-methyl-	96	C7H12	000763-88-2	76



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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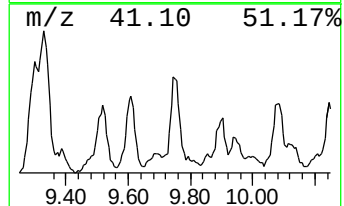
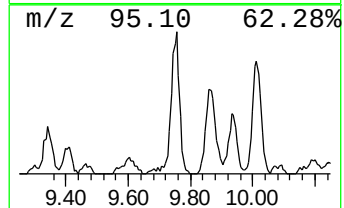
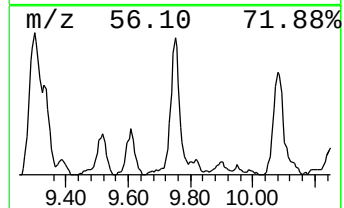
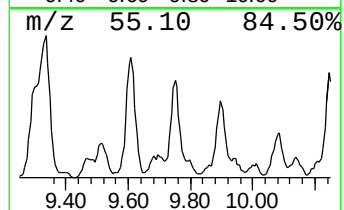
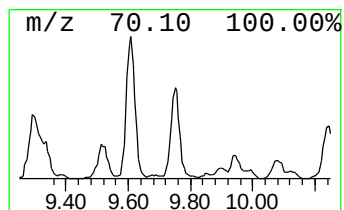
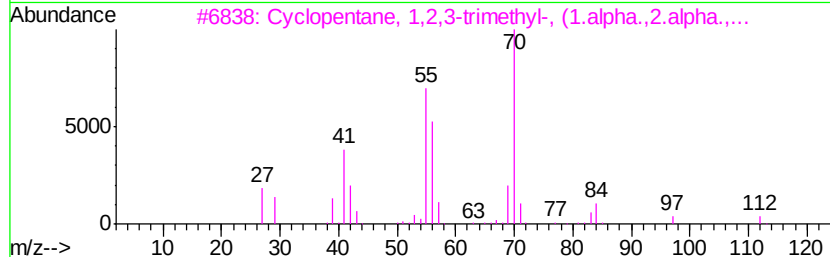
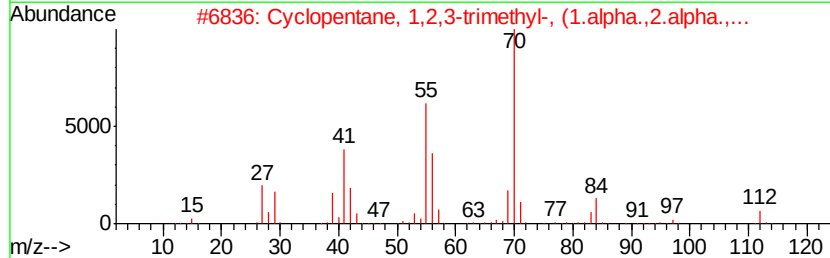
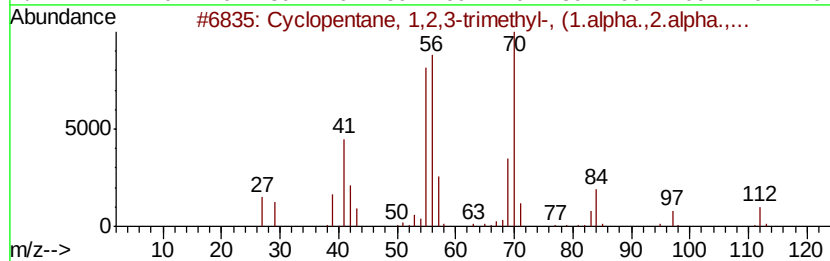
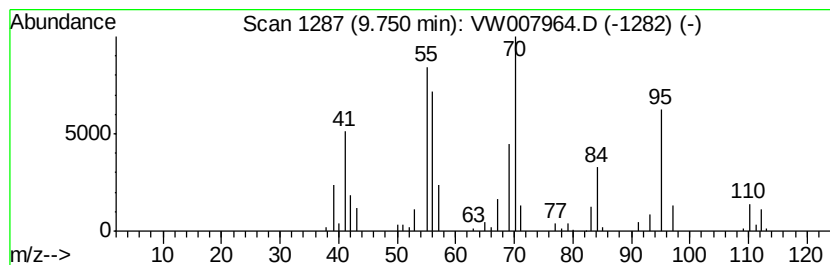
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Quant Title : VOC Analysis

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

Peak Number 9 (DEL) Alkane: Cyclic9.75 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.75	6.79 ug/L	86474	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	76
2		Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	52
3		Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	50
4		Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	47
5		Heptane, 3-methylene-	112	C8H16	001632-16-2	46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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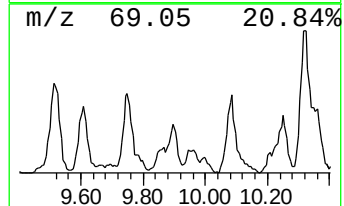
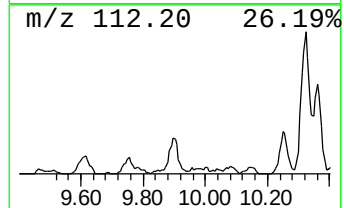
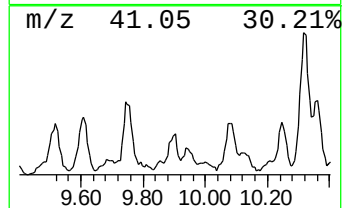
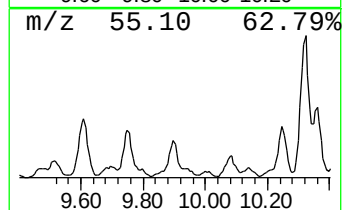
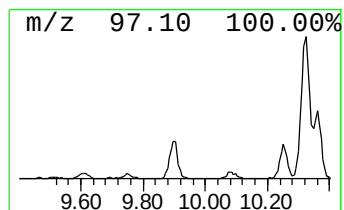
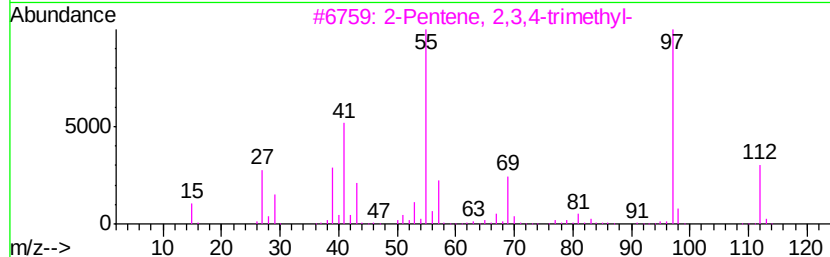
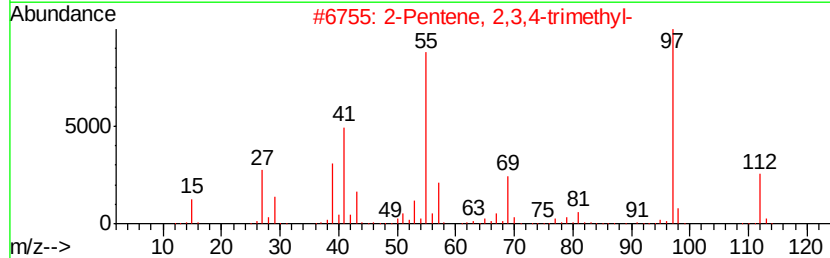
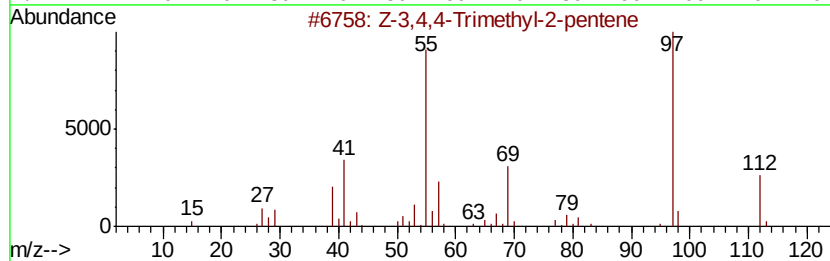
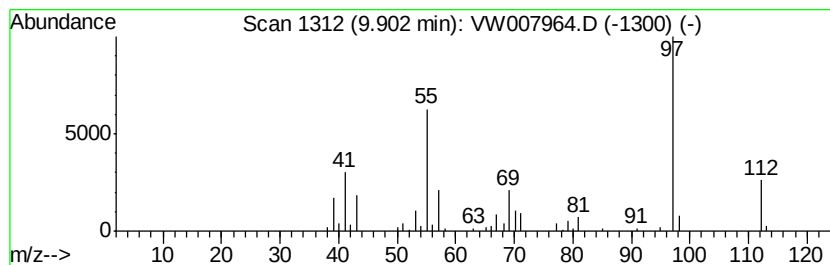
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Quant Title : VOC Analysis

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

Peak Number 10 (DEL) Alkane: Cyclic9.90 Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.90	4.64 ug/L	59068	1,4-Difluorobenzene	8.84

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Z-3,4,4-Trimethyl-2-pentene	112	C8H16	039761-64-3	93
2			2-Pentene, 2,3,4-trimethyl-	112	C8H16	000565-77-5	87
3			2-Pentene, 2,3,4-trimethyl-	112	C8H16	000565-77-5	83
4			2-Pentene, 3,4,4-trimethyl-	112	C8H16	000598-96-9	81
5			Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	80



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

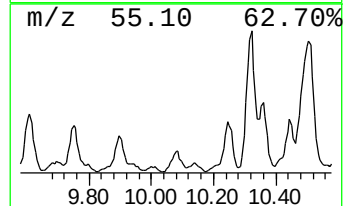
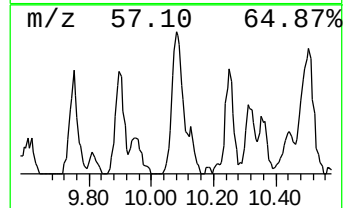
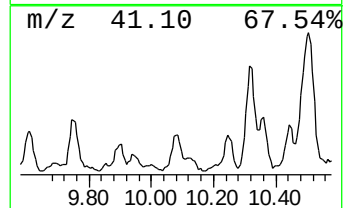
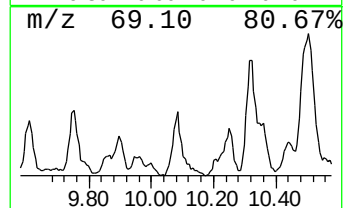
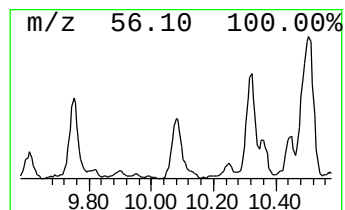
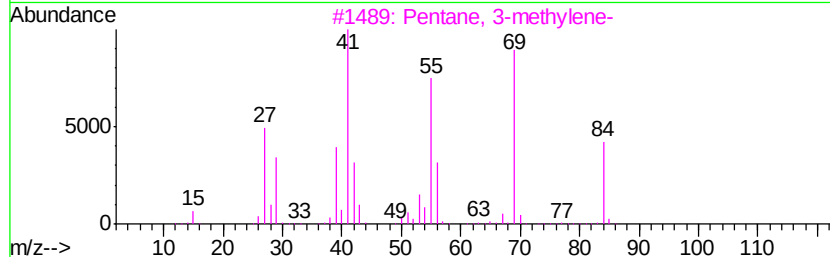
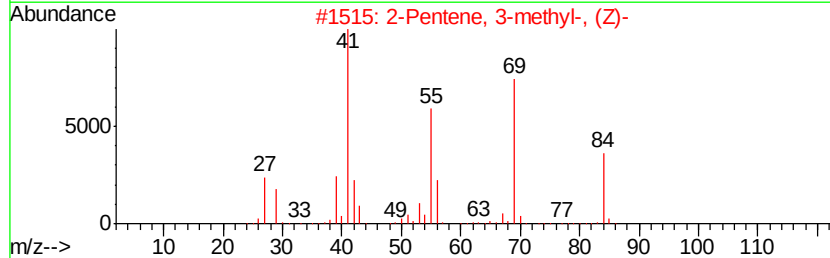
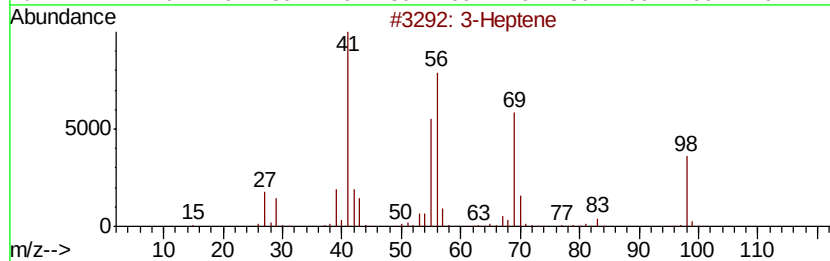
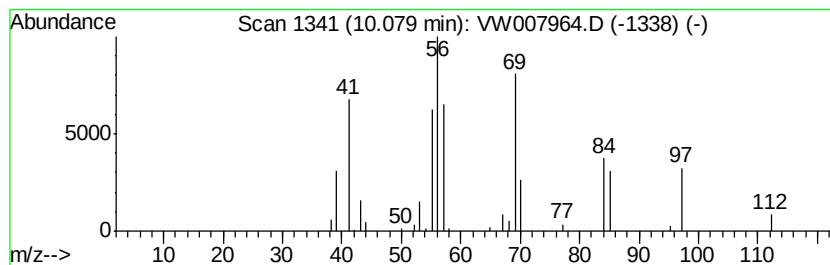
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ClientSampleId :
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Quant Title : VOC Analysis

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

Peak Number 12 (DEL) Alkane: Cyclic10.08 Concentration Rank 77

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.08	1.82 ug/L	23112	1,4-Difluorobenzene	8.84	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Heptene	98	C7H14	000592-78-9	59
2	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	43
3	Pentane, 3-methylene-	84	C6H12	000760-21-4	43
4	Cyclopropane, 1-ethyl-1-methyl-	84	C6H12	053778-43-1	43
5	1-Hexene, 3,4-dimethyl-	112	C8H16	016745-94-1	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

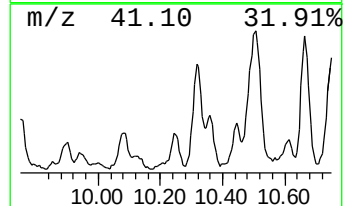
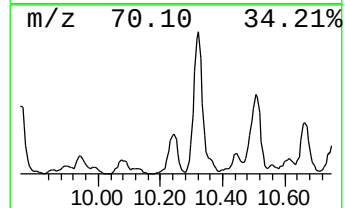
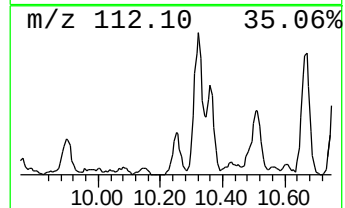
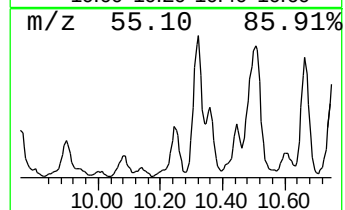
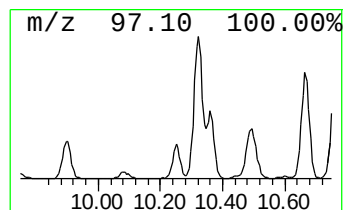
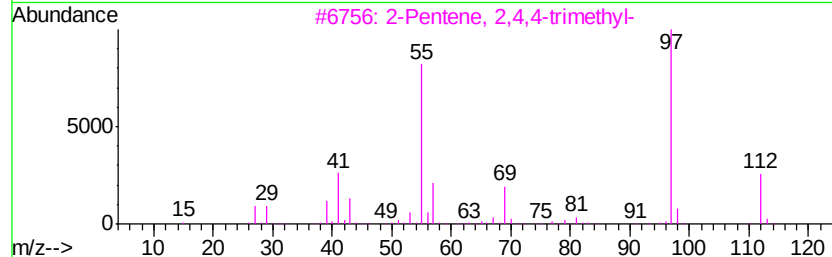
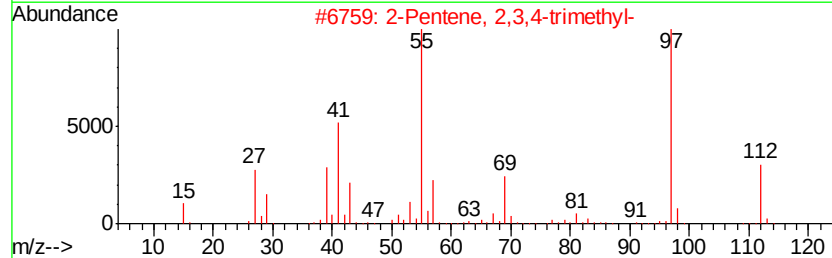
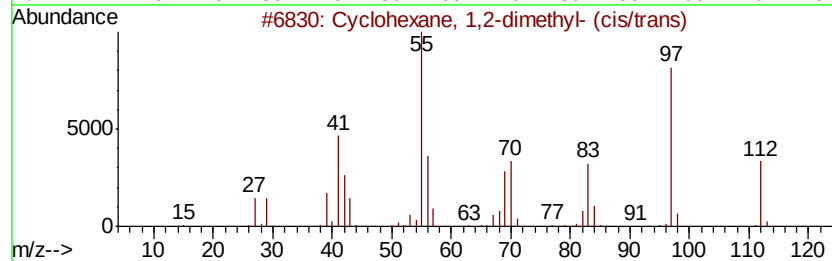
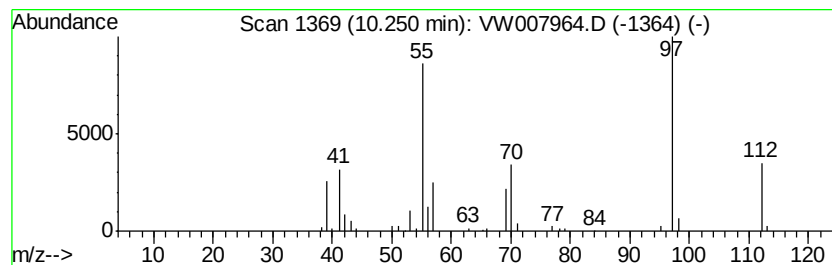
Instrument :
MSVOA_W
ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122618S.M
Quant Title : VOC Analysis

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

Peak Number 13 (DEL) Alkane: Cyclic10.25 Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.		
10.25	2.63 ug/L	42108	Chlorobenzene-d5	11.63		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	80
2		2-Pentene, 2,3,4-trimethyl-	112	C8H16	000565-77-5	74
3		2-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-40-4	72
4		2-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-40-4	64
5		2-Pentene, 2,3,4-trimethyl-	112	C8H16	000565-77-5	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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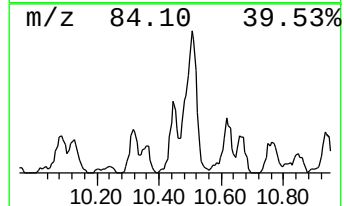
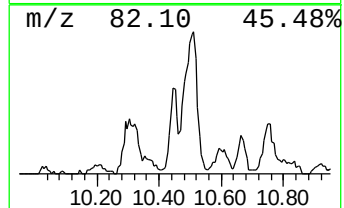
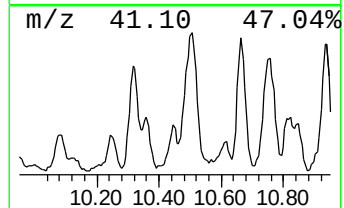
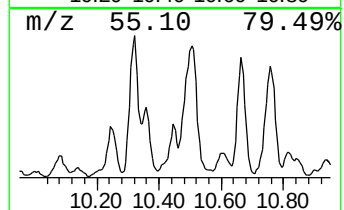
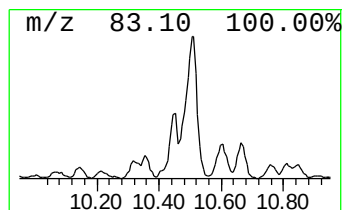
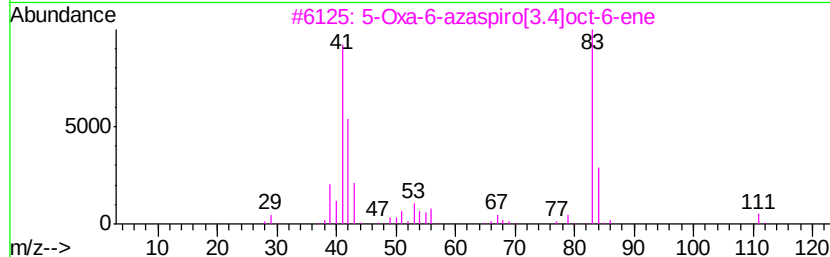
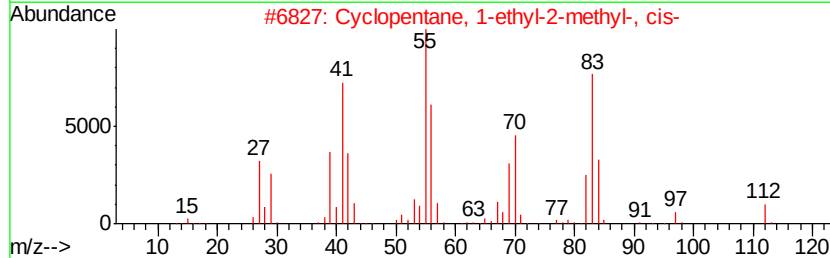
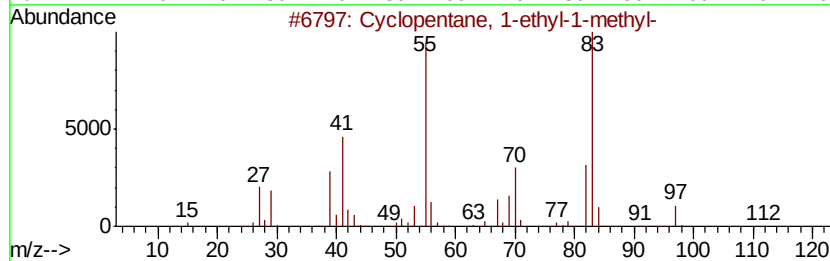
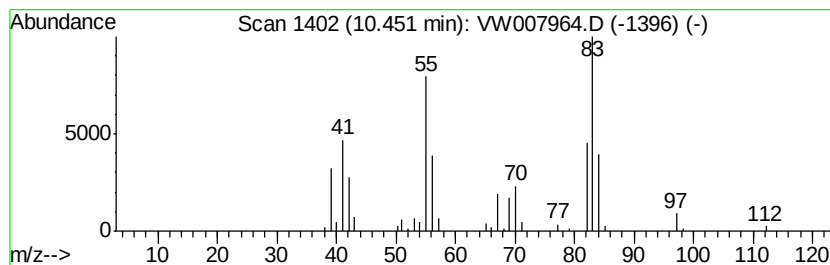
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Quant Title : VOC Analysis

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

Peak Number 14 (DEL) Alkane: Cyclic10.45 Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.45	2.76 ug/L	44169	Chlorobenzene-d5	11.63

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1-ethyl-1-methyl-	112	C8H16	016747-50-5	47
2			Cyclopentane, 1-ethyl-2-methyl-, ...	112	C8H16	000930-89-2	43
3			5-Oxa-6-azaspiro[3.4]oct-6-ene	111	C6H9NO	1000362-18-0	38
4			Cyclopropane, 2-chloro-1,1,3-tri...	118	C6H11Cl	098485-99-5	35
5			1-Butene, 2,3,3-trimethyl-	98	C7H14	000594-56-9	35



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

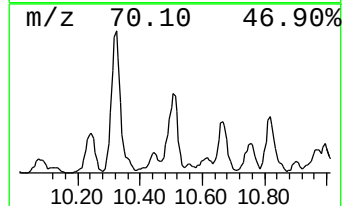
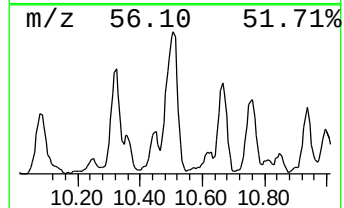
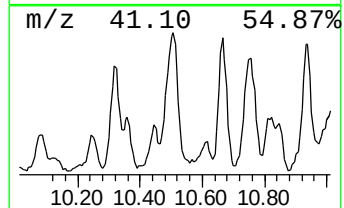
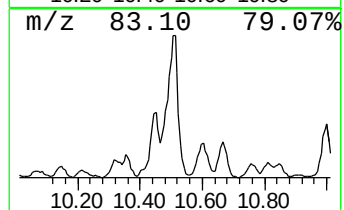
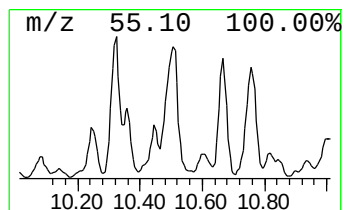
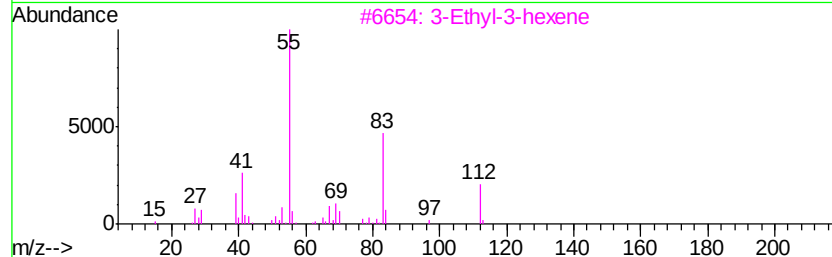
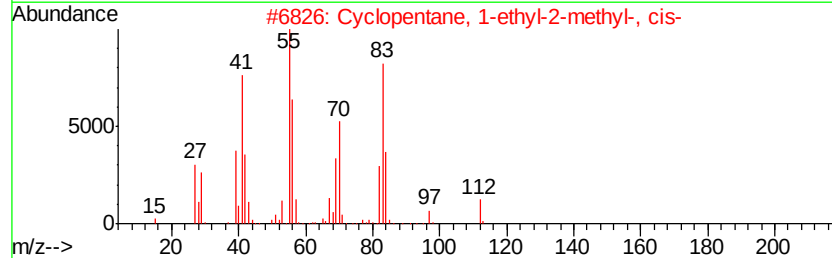
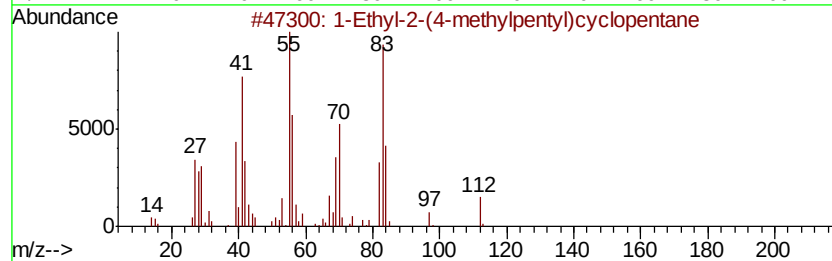
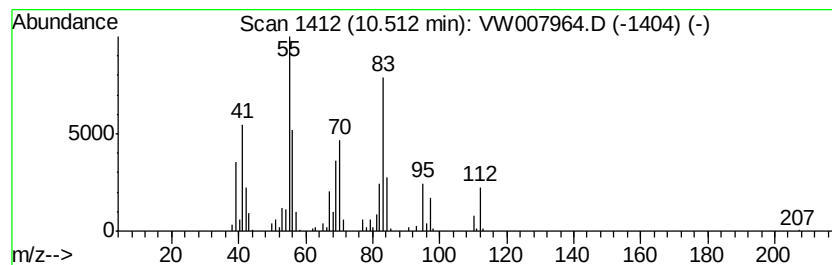
Instrument :
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122618S.M
Quant Title : VOC Analysis

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

Peak Number 15 (DEL) Alkane: Cyclic10.51 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.		
10.51	14.27 ug/L	228709	Chlorobenzene-d5	11.63		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Ethyl-2-(4-methylpentyl)cyclop...	182	C13H26	219726-60-0	80
2		Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	72
3		3-Ethyl-3-hexene	112	C8H16	016789-51-8	46
4		3-Hexene, 2,2-dimethyl-, (E)-	112	C8H16	000690-93-7	46
5		3-Hexene, 2,3-dimethyl-	112	C8H16	007145-23-5	46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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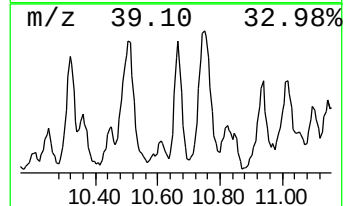
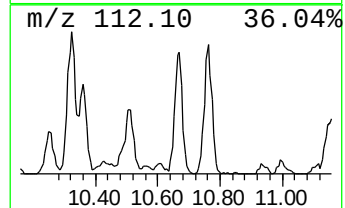
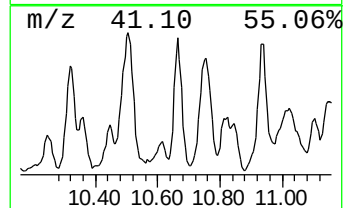
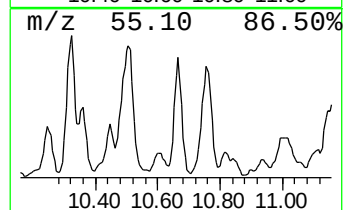
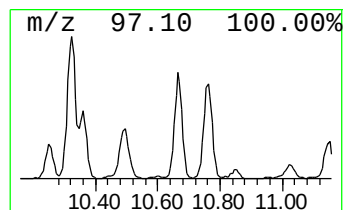
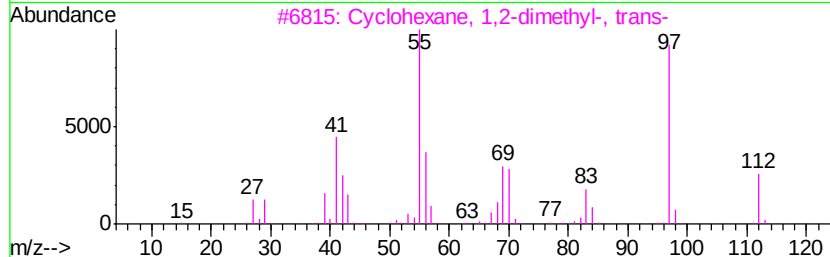
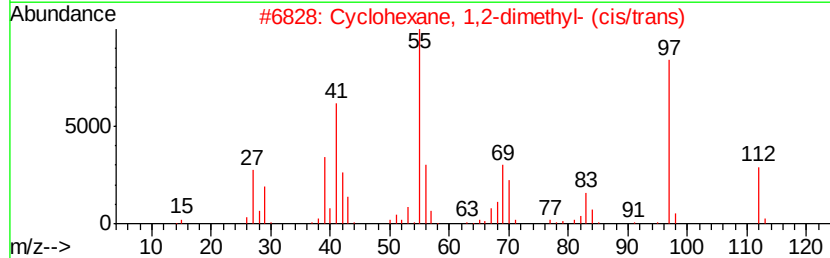
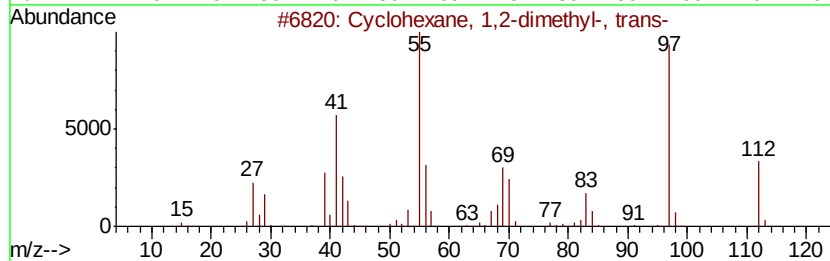
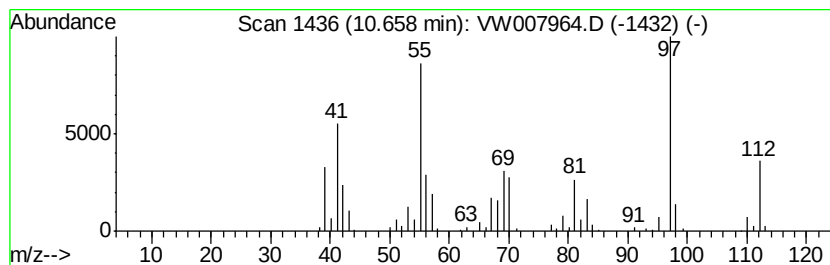
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Quant Title : VOC Analysis

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

Peak Number 16 (DEL) Alkane: Cyclic10.66 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	9.45 ug/L	151468	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	94
2		Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	93
3		Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	91
4		Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	86
5		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	83



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

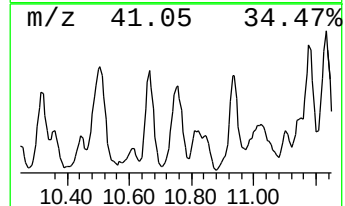
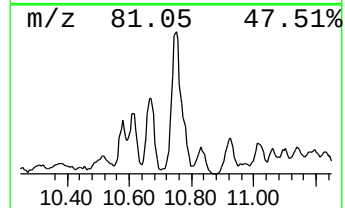
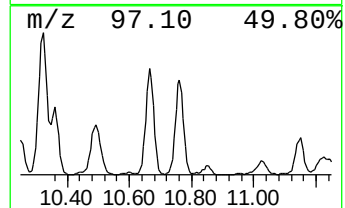
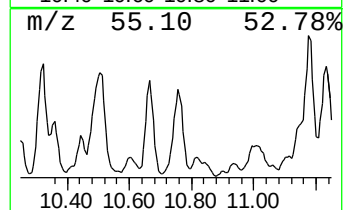
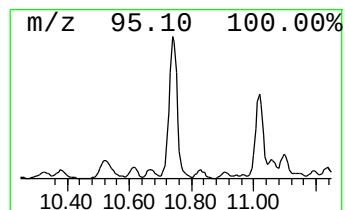
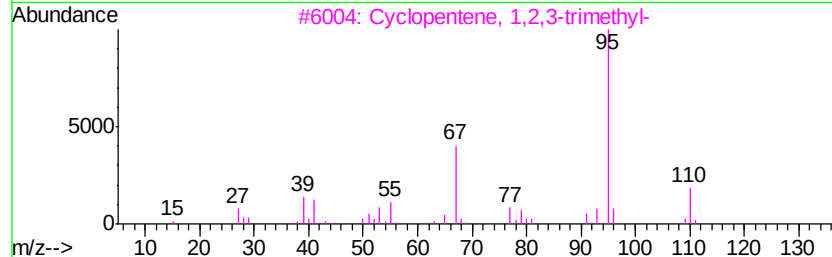
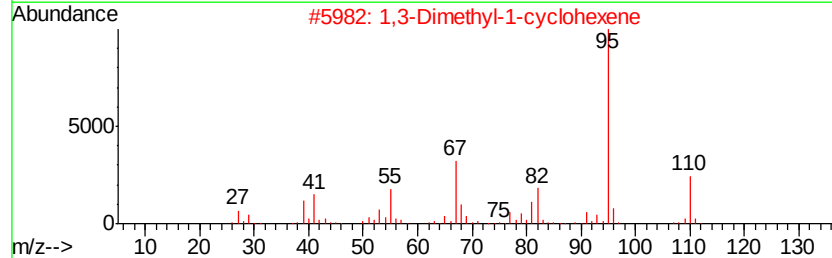
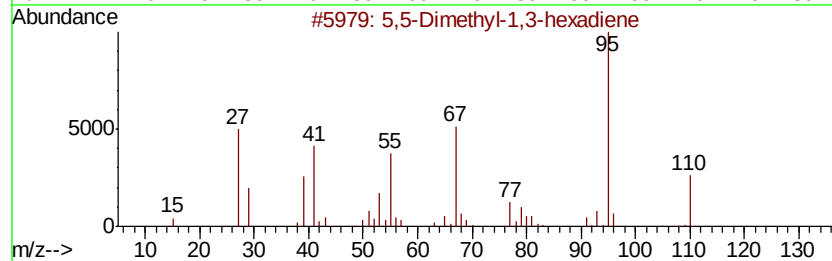
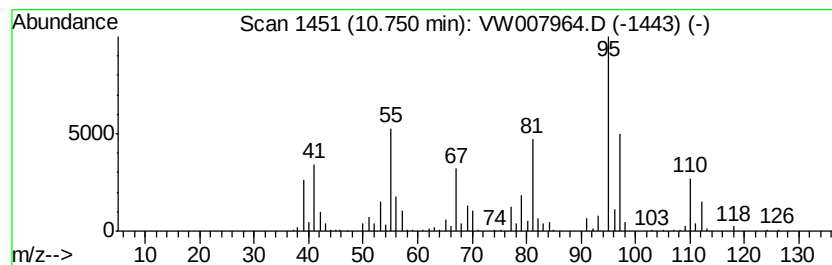
Instrument :
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122618S.M
Quant Title : VOC Analysis

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

Peak Number 17 5,5-Dimethyl-1,3-hexadiene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.		
10.75	17.23 ug/L	276000	Chlorobenzene-d5	11.63		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	58	
2	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	58	
3	Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	55	
4	5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	53	
5	Cyclohexene, 3,5-dimethyl-	110	C8H14	000823-17-6	53	



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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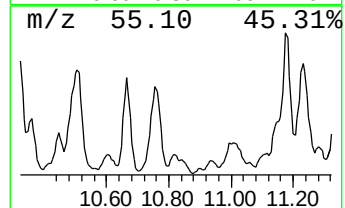
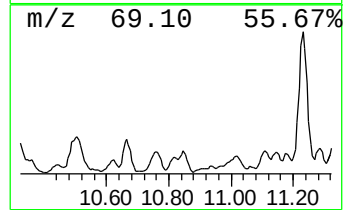
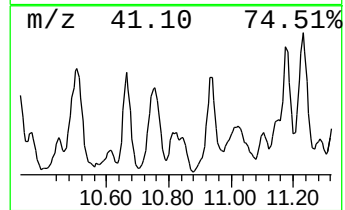
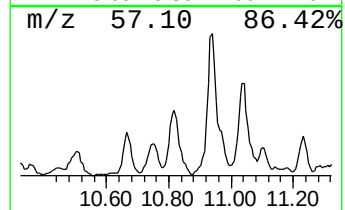
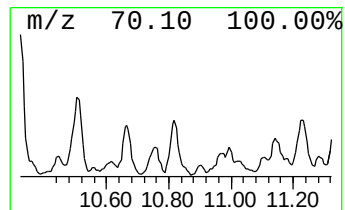
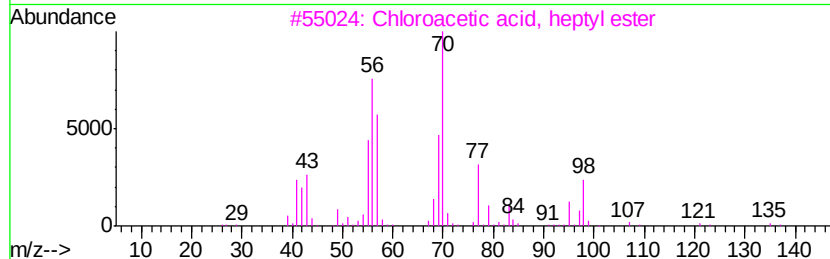
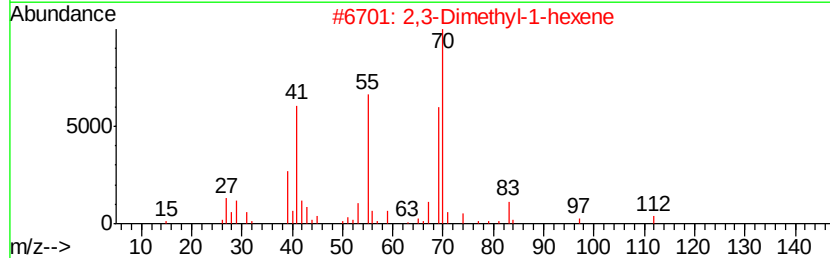
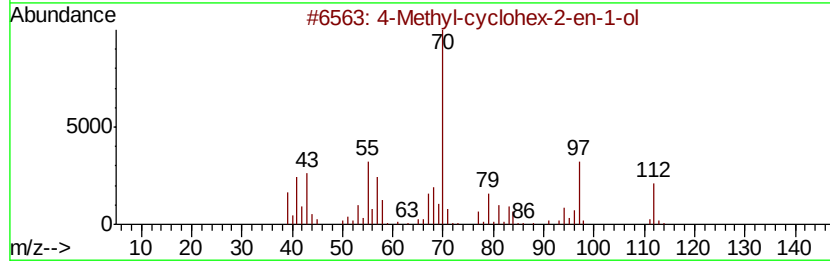
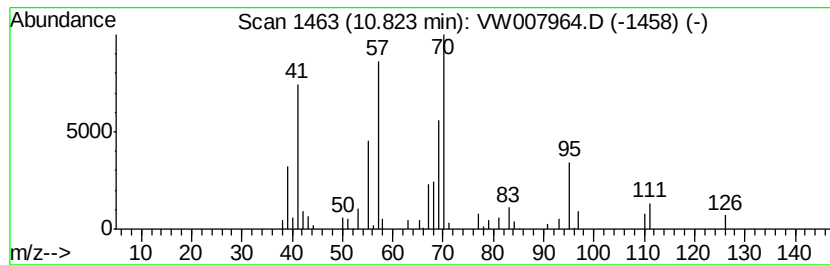
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Quant Title : VOC Analysis

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

Peak Number 18 unknown-01 Concentration Rank 71

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.82	2.49 ug/L	39830	Chlorobenzene-d5	11.63

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4-Methyl-cyclohex-2-en-1-ol	112	C7H12O	1000144-17-5	38
2			2,3-Dimethyl-1-hexene	112	C8H16	016746-86-4	38
3			Chloroacetic acid, heptyl ester	192	C9H17ClO2	034589-22-5	33
4			1-Hexene, 3,5,5-trimethyl-	126	C9H18	004316-65-8	17
5			Cyclopentane, 1,1,3,3-tetramethyl-	126	C9H18	050876-33-0	14



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

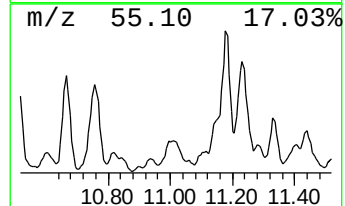
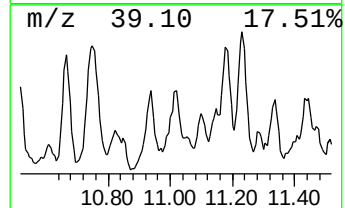
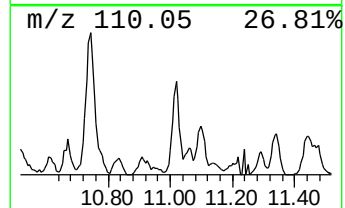
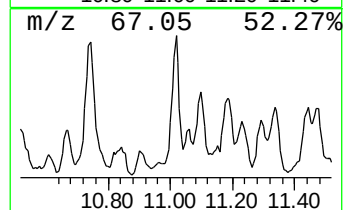
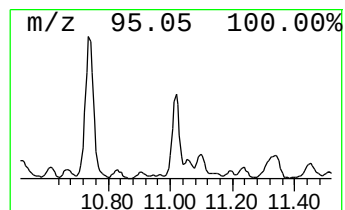
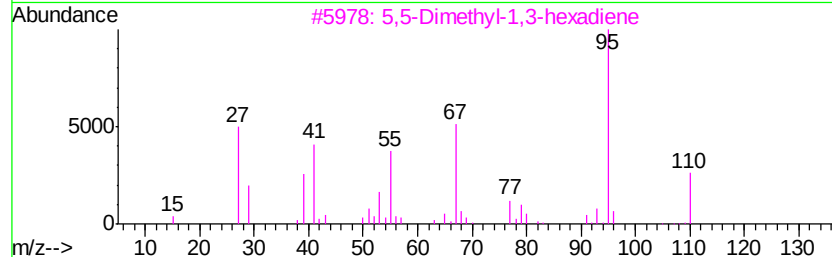
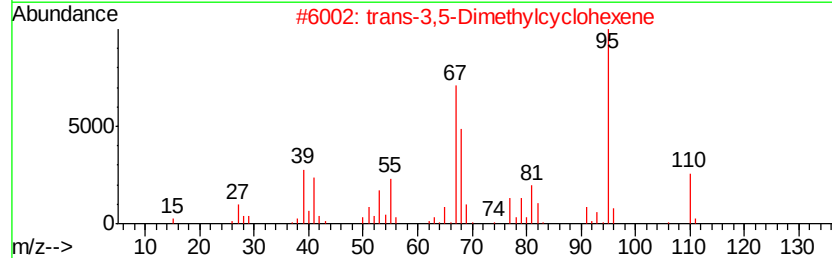
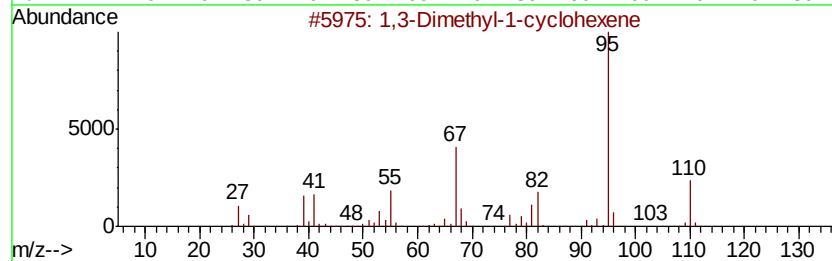
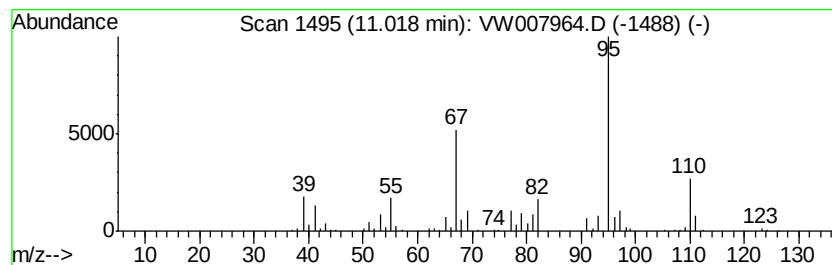
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ClientSampled :
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Quant Title : VOC Analysis

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

Peak Number 19 1,3-Dimethyl-1-cyclohexene Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.02	7.83 ug/L	125388	Chlorobenzene-d5	11.63		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	90
2		trans-3,5-Dimethylcyclohexene	110	C8H14	056021-63-7	87
3		5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	87
4		1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	87
5		5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9F75

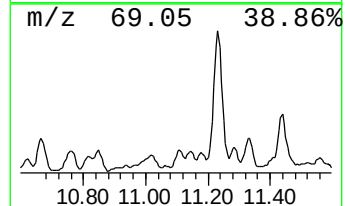
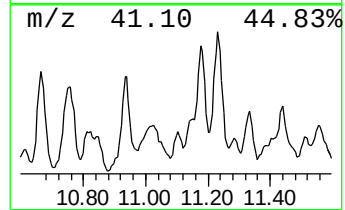
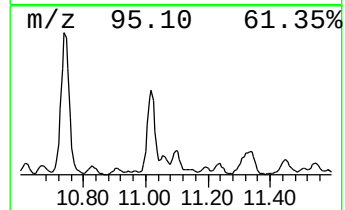
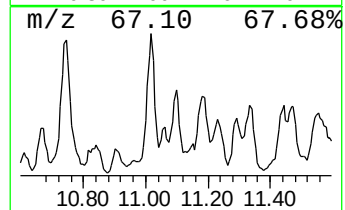
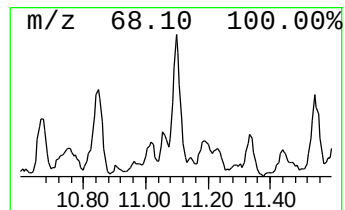
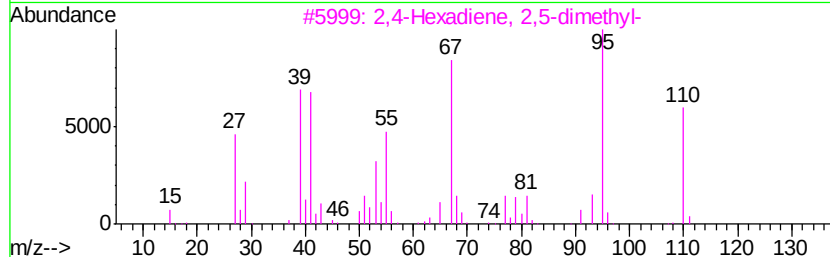
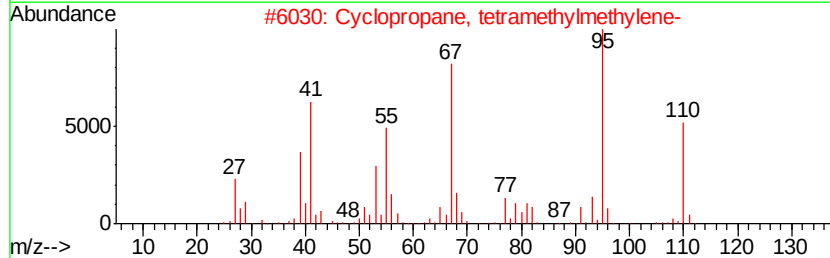
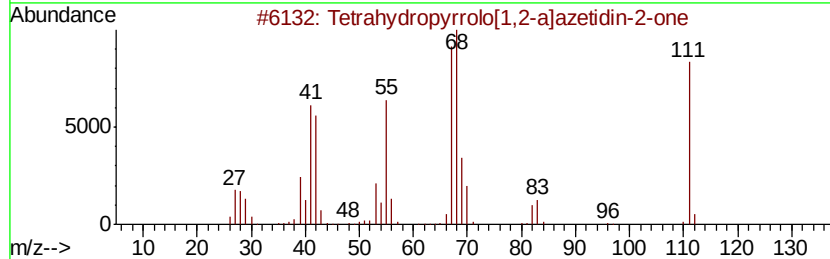
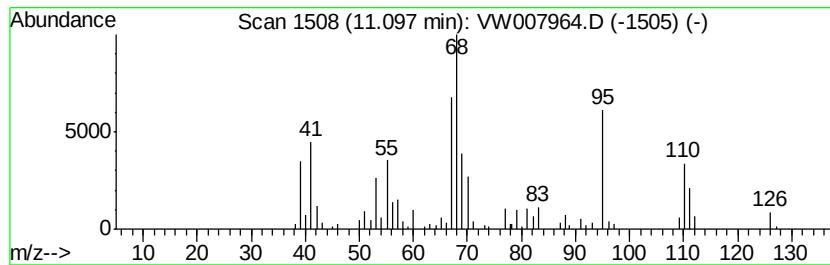
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Quant Title : VOC Analysis

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

Peak Number 20 unknown-02 Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.10	5.25 ug/L	84184	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetrahydropyrrolo[1,2-a]azetidin...	111	C6H9NO	1000196-09-7	47
2		Cyclopropane, tetramethylmethylene-	110	C8H14	054376-39-5	38
3		2,4-Hexadiene, 2,5-dimethyl-	110	C8H14	000764-13-6	38
4		Cyclohexene, 1,2-dimethyl-	110	C8H14	001674-10-8	38
5		Cyclohexene, 1,6-dimethyl-	110	C8H14	001759-64-4	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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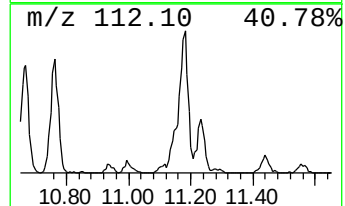
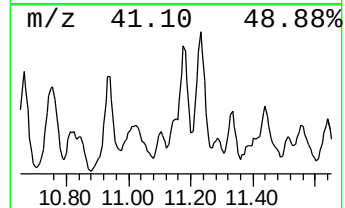
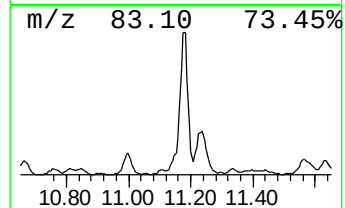
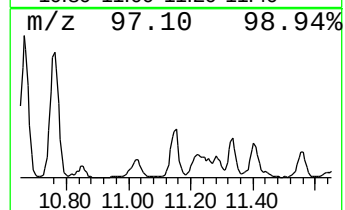
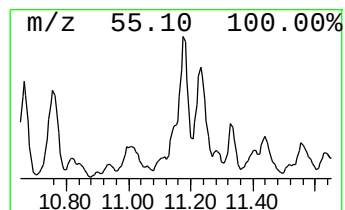
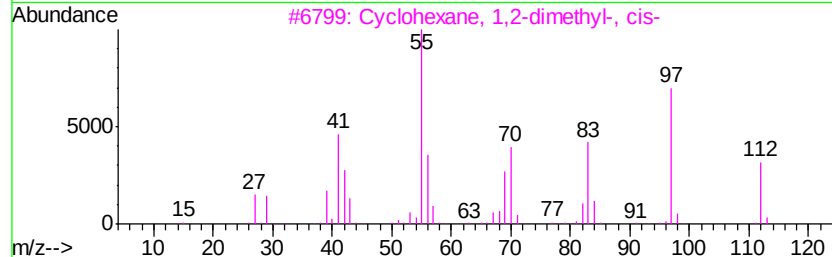
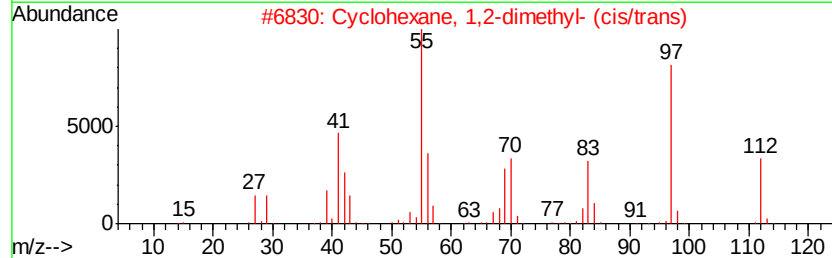
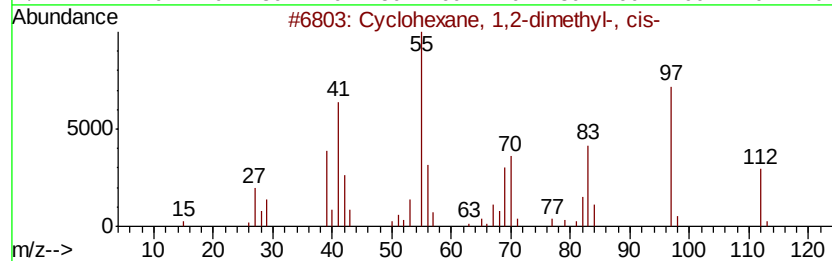
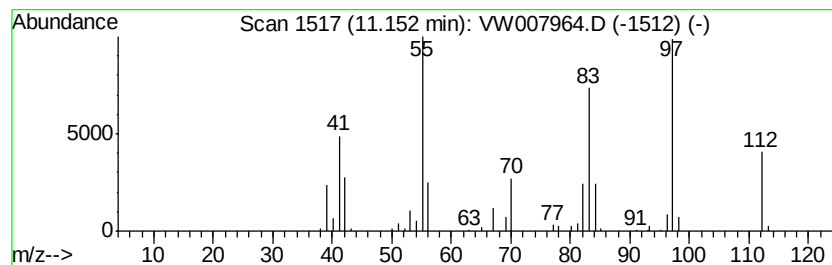
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Quant Title : VOC Analysis

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

Peak Number 21 (DEL) Alkane: Cyclic11.15 Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.15	5.33 ug/L	85387	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	90
2		Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	74
3		Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	72
4		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	70
5		Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	68



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

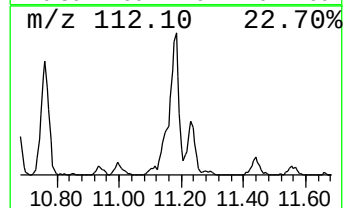
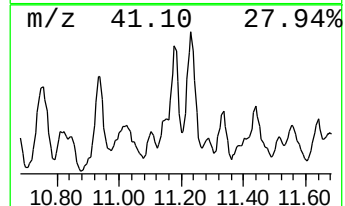
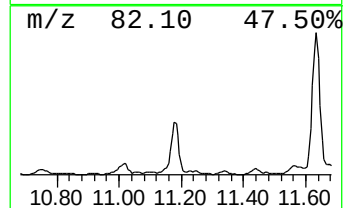
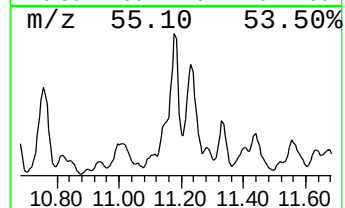
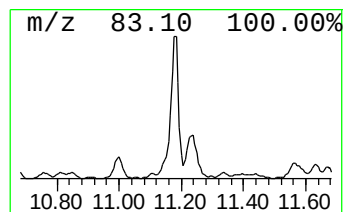
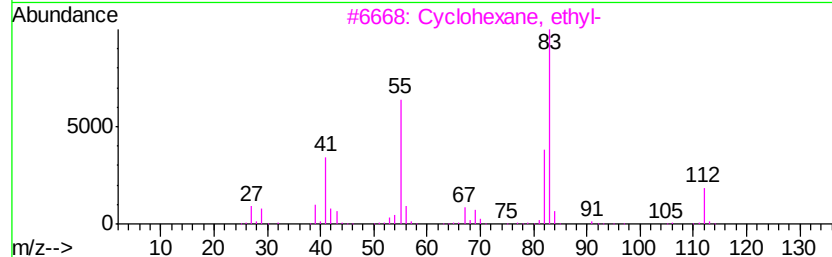
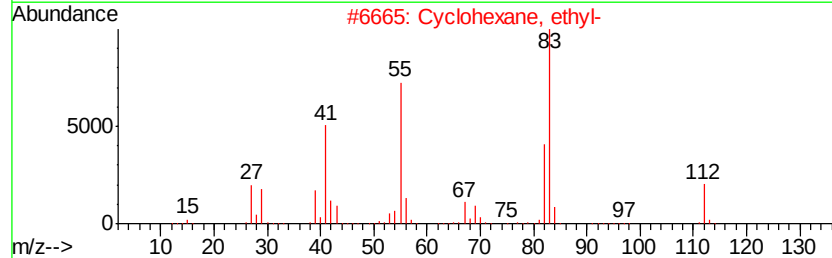
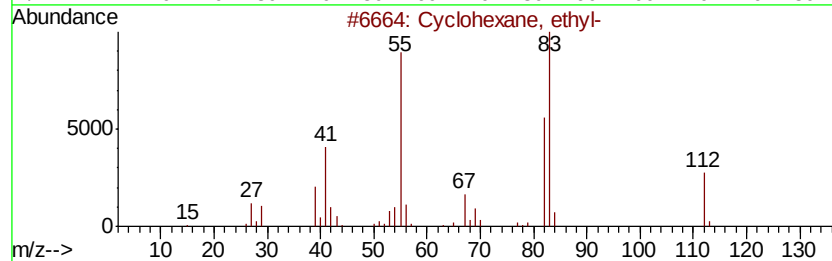
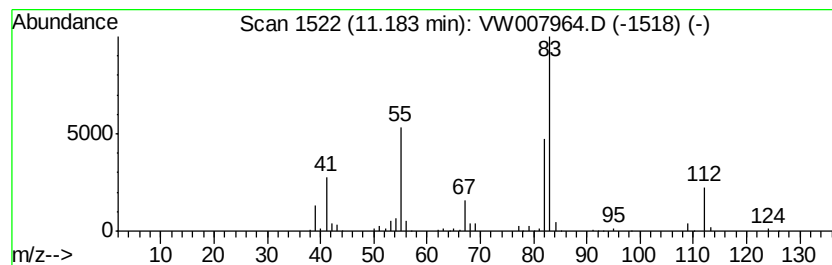
Instrument :
MSVOA_W
ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122618S.M
Quant Title : VOC Analysis

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

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

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.18	12.15 ug/L	194721	Chlorobenzene-d5		11.63	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, ethyl-	112	C8H16	001678-91-7	87
2		Cyclohexane, ethyl-	112	C8H16	001678-91-7	78
3		Cyclohexane, ethyl-	112	C8H16	001678-91-7	72
4		Cyclohexane, ethyl-	112	C8H16	001678-91-7	72
5		Cyclohexane, ethyl-	112	C8H16	001678-91-7	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

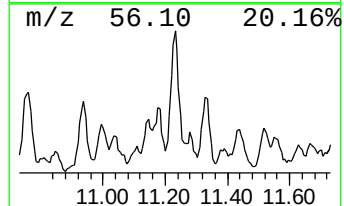
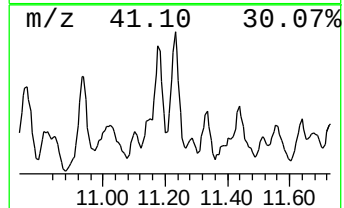
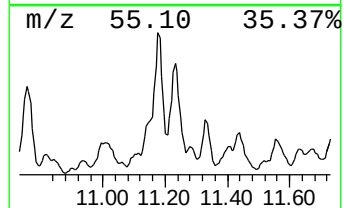
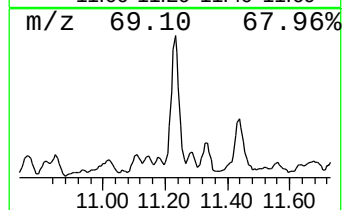
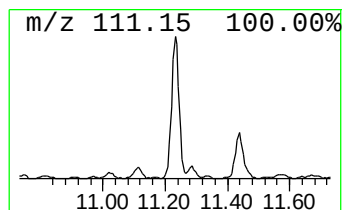
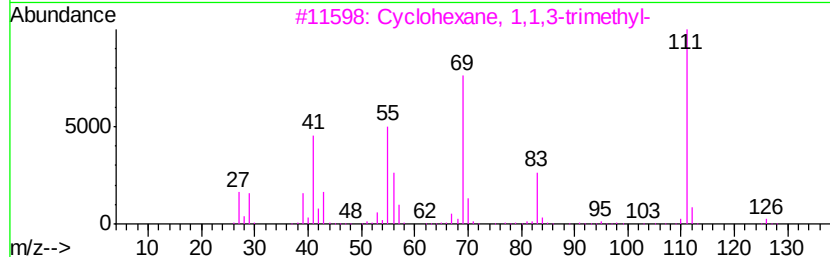
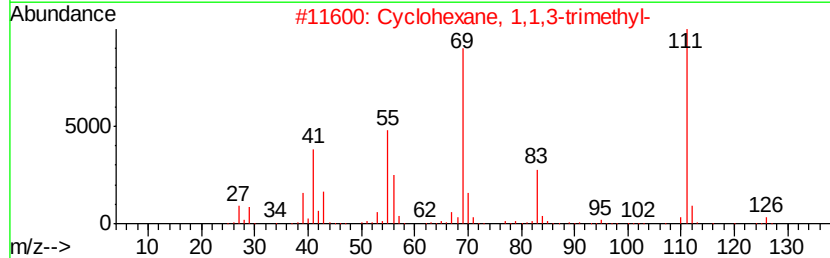
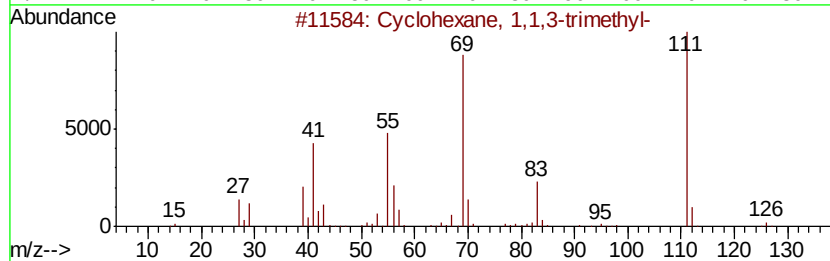
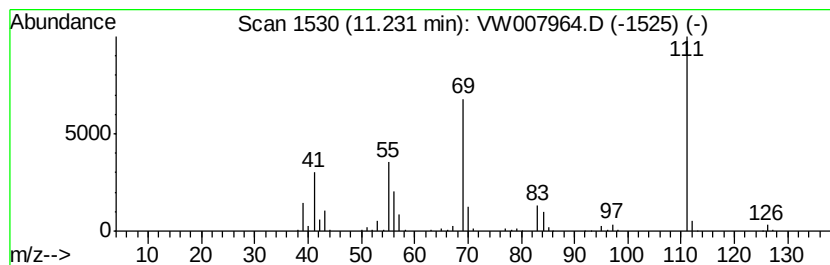
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122618S.M
Quant Title : VOC Analysis

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

Peak Number 23 (DEL) Alkane: Cyclic11.23 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.23	17.16 ug/L	274937	Chlorobenzene-d5	11.63	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	72
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	64
3	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	50
4	Cyclohexane, 1,2,4-trimethyl-, (...)	126	C9H18	007667-60-9	47
5	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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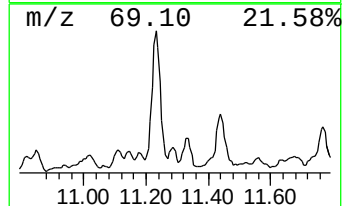
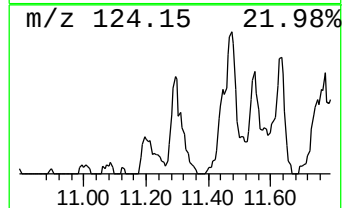
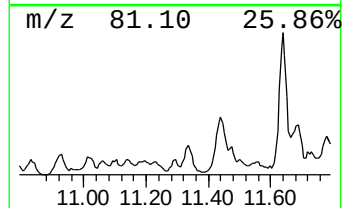
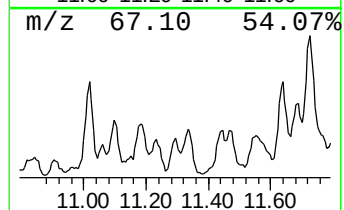
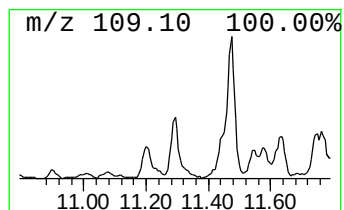
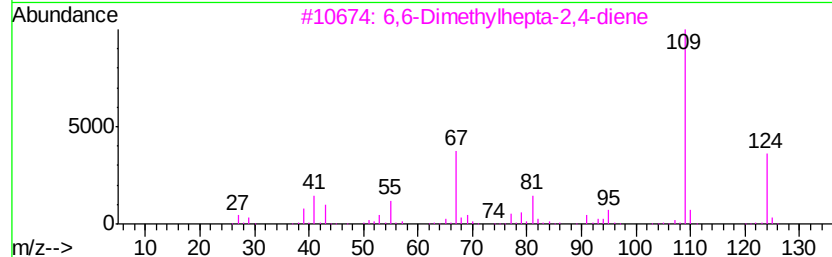
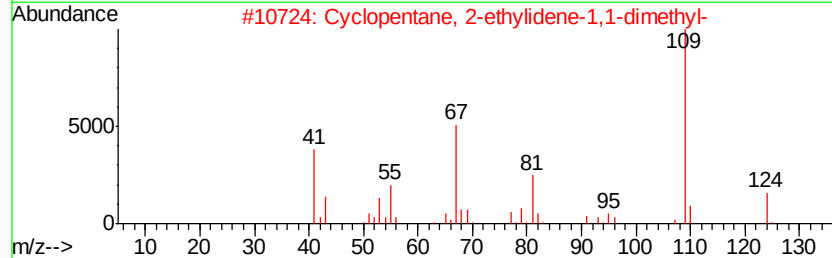
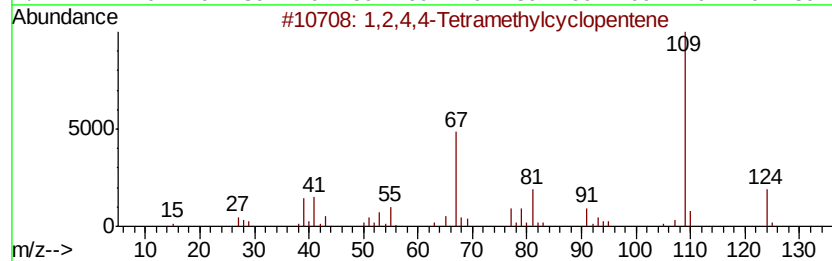
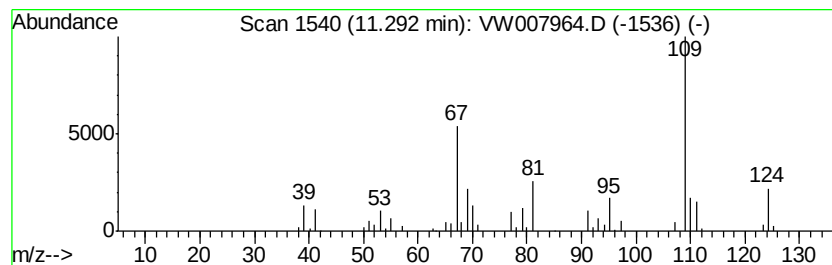
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Quant Title : VOC Analysis

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

Peak Number 24 1,2,4,4-Tetramethylcyclopentene... Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.29	3.33 ug/L	53420	Chlorobenzene-d5	11.63

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,2,4,4-Tetramethylcyclopentene	124	C9H16	065378-76-9	81
2			Cyclopentane, 2-ethylidene-1,1-d...	124	C9H16	056324-66-4	81
3			6,6-Dimethylhepta-2,4-diene	124	C9H16	1000195-03-3	81
4			1,3-Heptadiene, 2,3-dimethyl-	124	C9H16	074779-65-0	74
5			2,4-Heptadiene, 2,6-dimethyl-	124	C9H16	004634-87-1	74



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9F75

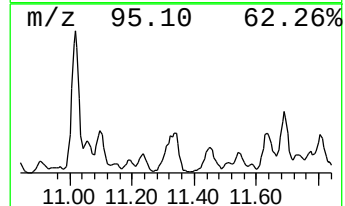
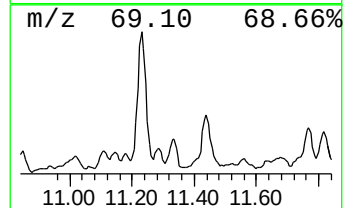
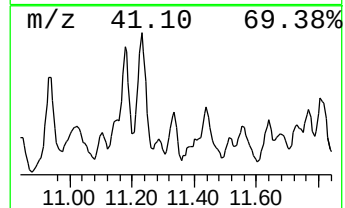
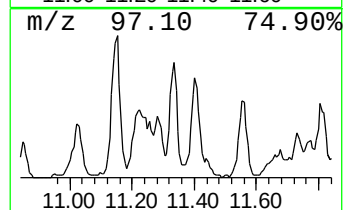
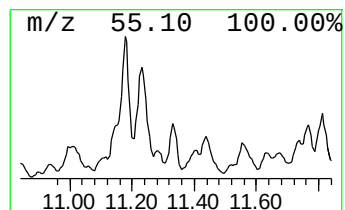
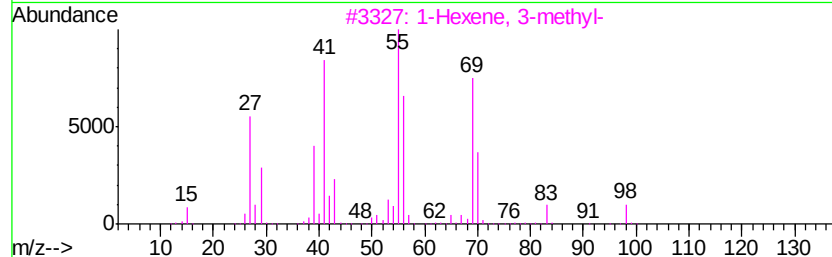
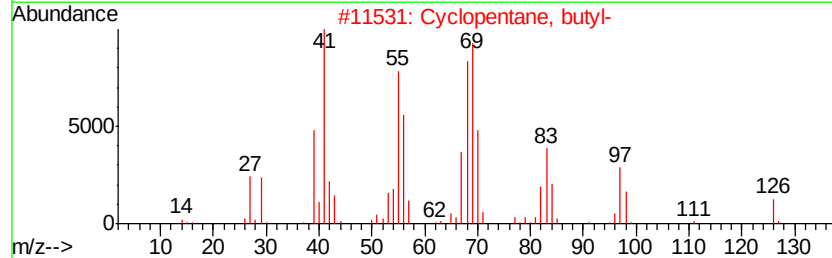
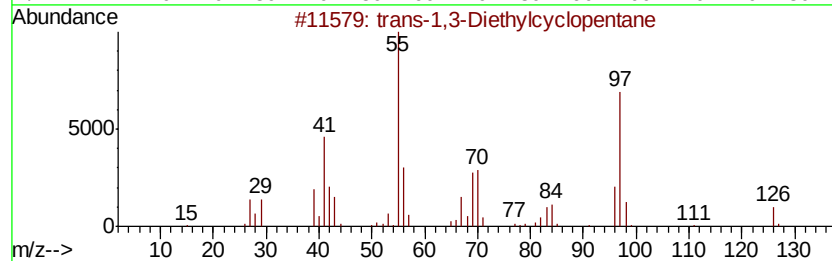
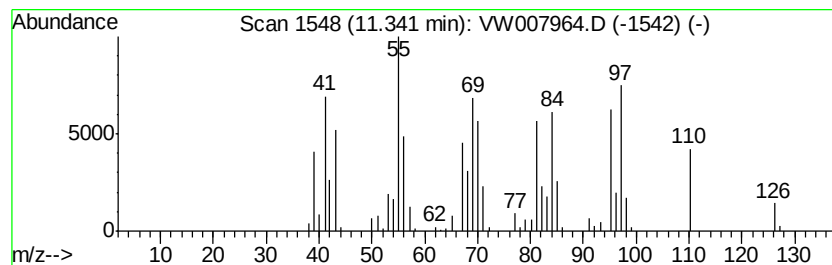
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Quant Title : VOC Analysis

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

Peak Number 25 (DEL) Alkane: Cyclic11.34 Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.34	6.61 ug/L	105839	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	trans-1,3-Diethylcyclopentane	126	C9H18	1000113-87-1	43
2		Cyclopentane, butyl-	126	C9H18	002040-95-1	30
3		1-Hexene, 3-methyl-	98	C7H14	003404-61-3	25
4		Cyclopropane, 1-methyl-2-pentyl-	126	C9H18	041977-37-1	22
5		1-Hexene, 3-methyl-	98	C7H14	003404-61-3	20



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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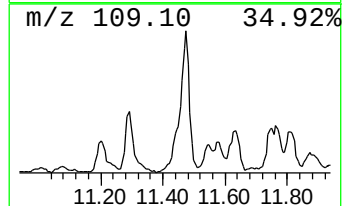
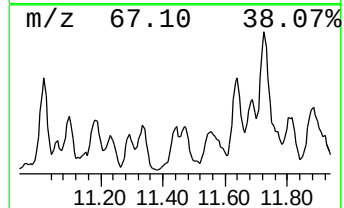
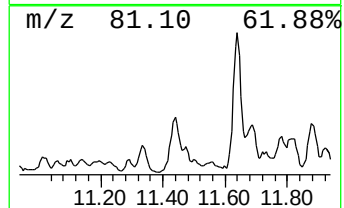
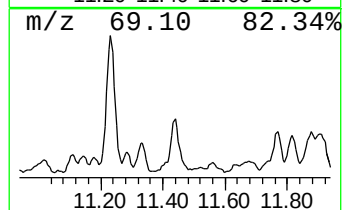
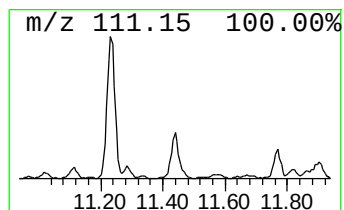
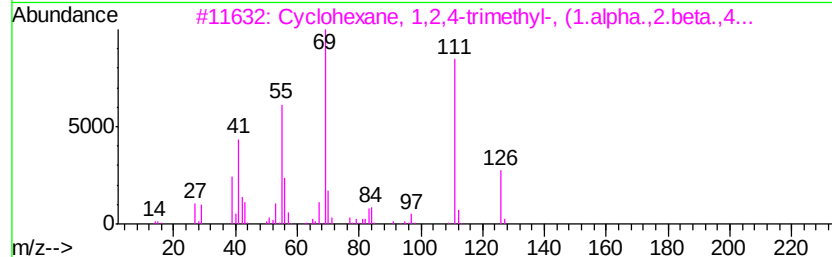
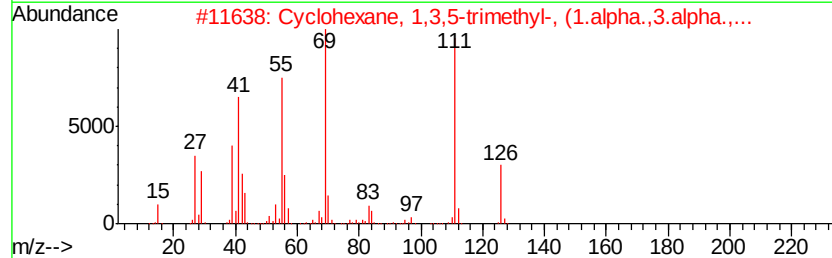
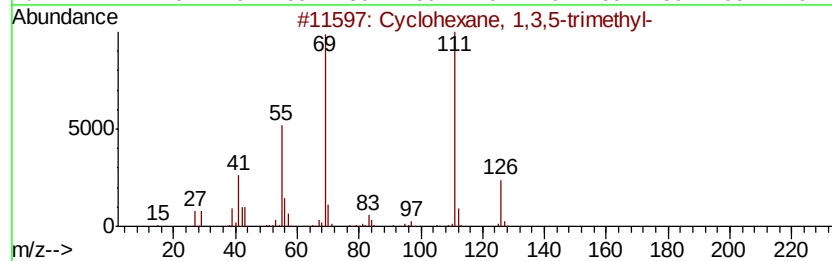
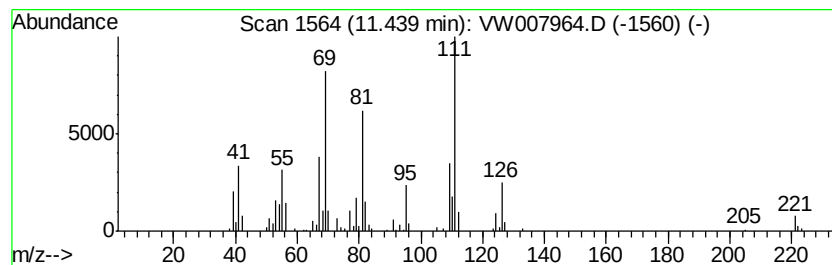
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Quant Title : VOC Analysis

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

Peak Number 26 (DEL) Alkane: Cyclic11.44 Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.44	4.82 ug/L	77201	Chlorobenzene-d5	11.63

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	58
2			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	52
3			Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	50
4			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	50
5			Cyclooctane, tetradecyl-	308	C22H44	149003-36-1	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

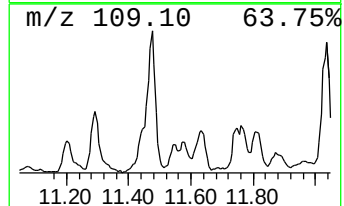
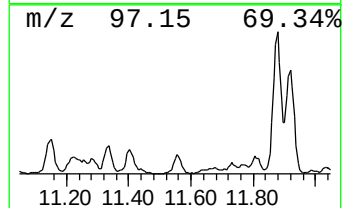
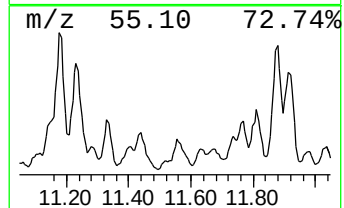
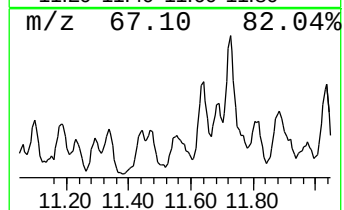
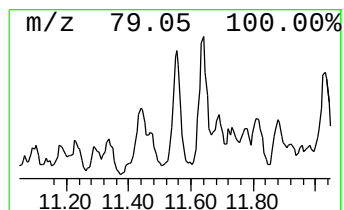
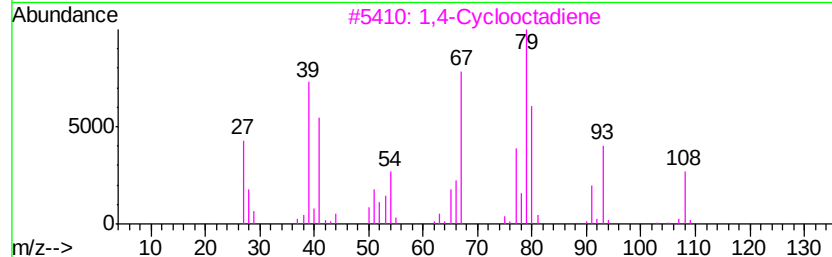
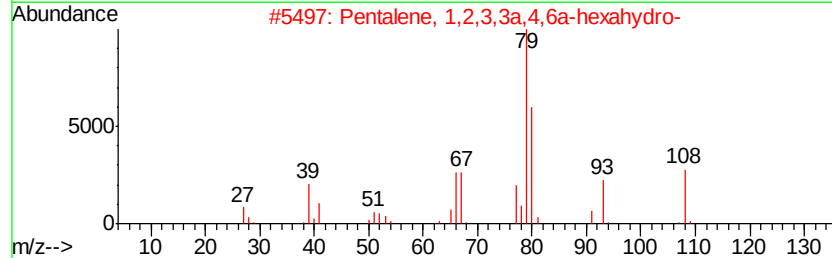
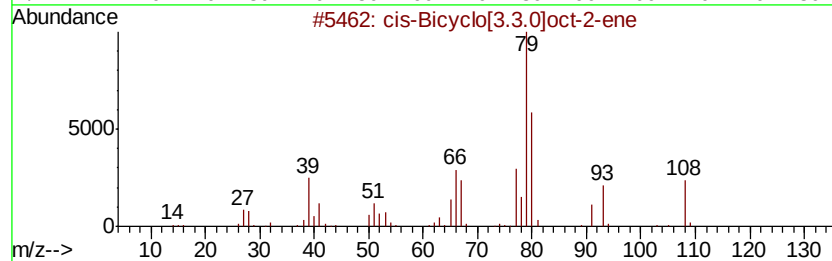
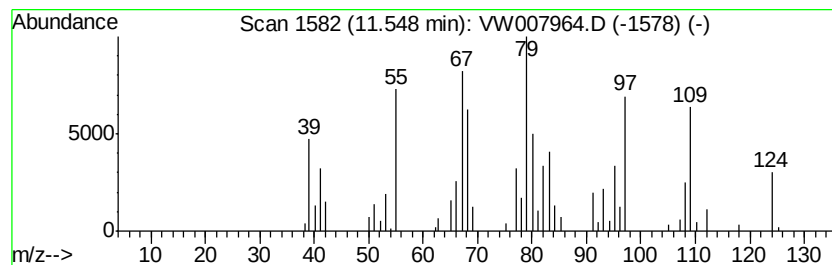
Instrument :
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122618S.M
Quant Title : VOC Analysis

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

Peak Number 27 cis-Bicyclo[3.3.0]oct-2-ene Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.55	4.84 ug/L	77469	Chlorobenzene-d5	11.63		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		cis-Bicyclo[3.3.0]oct-2-ene	108	C8H12	000930-99-4	83
2		Pentalene, 1,2,3,3a,4,6a-hexahydro-	108	C8H12	005549-09-7	46
3		1,4-Cyclooctadiene	108	C8H12	001073-07-0	41
4		1,4-Cyclooctadiene, (Z,Z)-	108	C8H12	016327-22-3	38
5		1-(2-Propenyl)cyclopentene	108	C8H12	037689-19-3	35



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

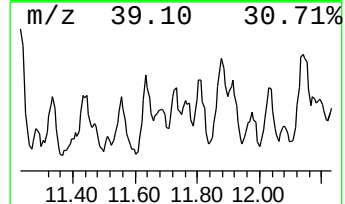
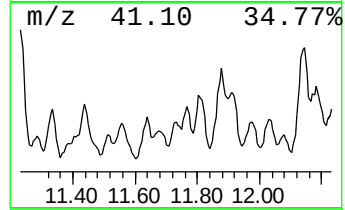
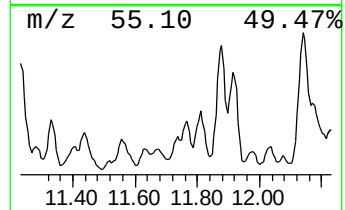
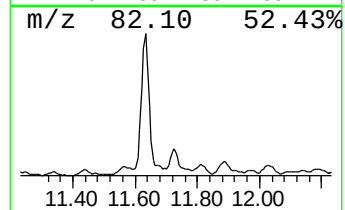
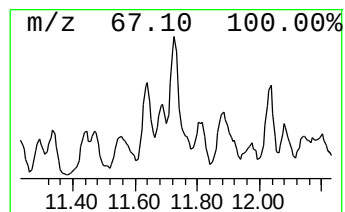
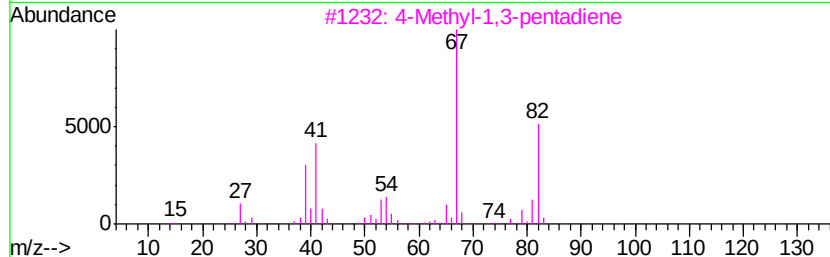
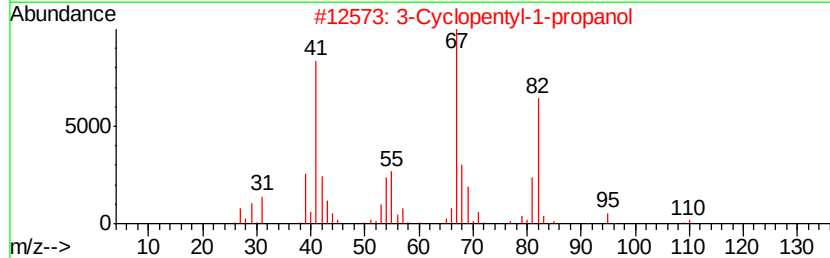
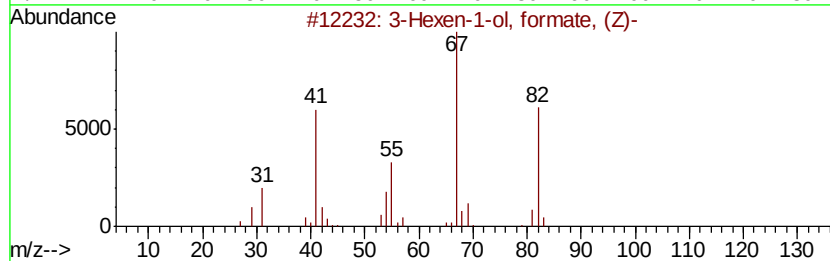
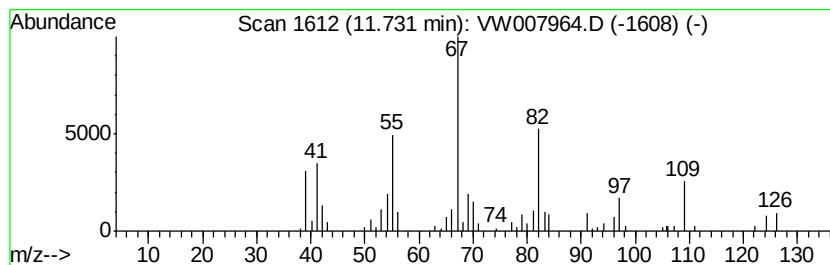
Instrument :
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122618S.M
Quant Title : VOC Analysis

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

Peak Number 28 3-Hexen-1-ol, formate, (Z)- Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.73	3.34 ug/L	53454	Chlorobenzene-d5	11.63		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexen-1-ol, formate, (Z)-	128	C7H12O2	033467-73-1	53	
2	3-Cyclopentyl-1-propanol	128	C8H16O	000767-05-5	53	
3	4-Methyl-1,3-pentadiene	82	C6H10	000926-56-7	52	
4	2,4-Hexadiene, (E,E)-	82	C6H10	005194-51-4	52	
5	1,3-Pentadiene, 2-methyl-	82	C6H10	001118-58-7	50	



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
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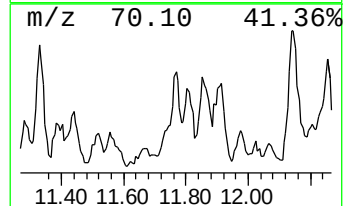
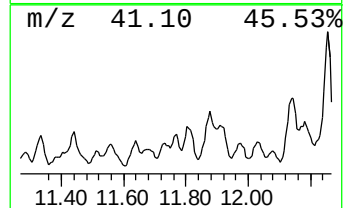
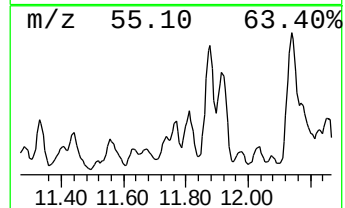
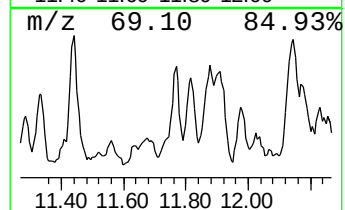
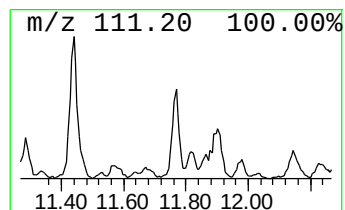
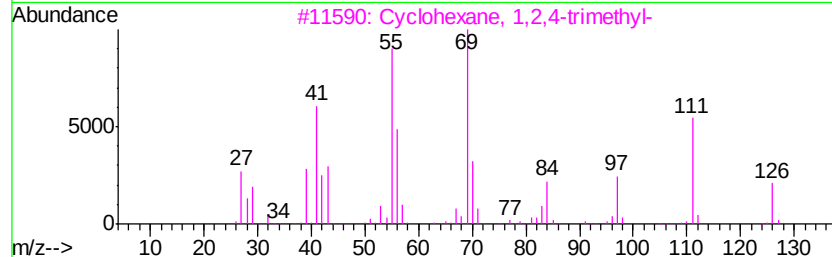
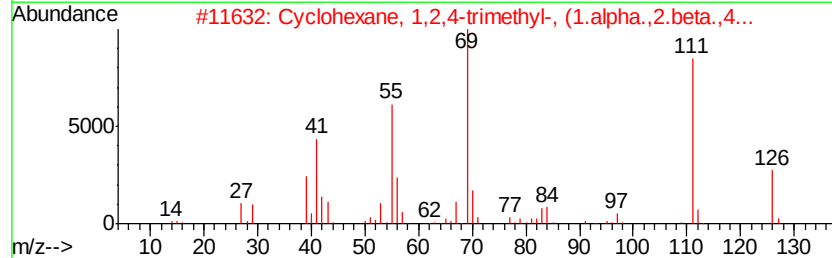
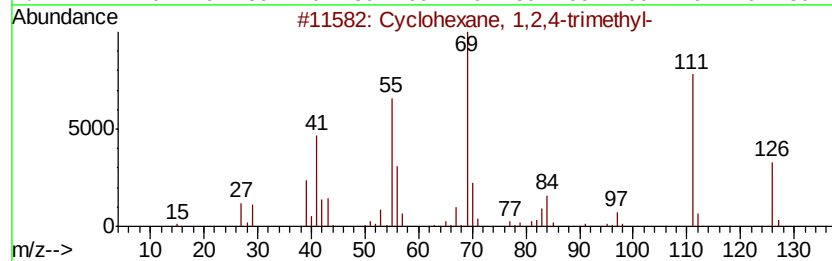
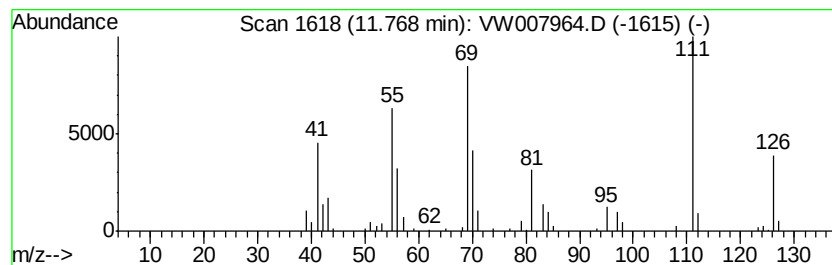
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Quant Title : VOC Analysis

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

Peak Number 29 (DEL) Alkane: Cyclic11.77 Concentration Rank 74

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	2.32 ug/L	37093	Chlorobenzene-d5	11.63

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	87
2			Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	83
3			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	74
4			Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	68
5			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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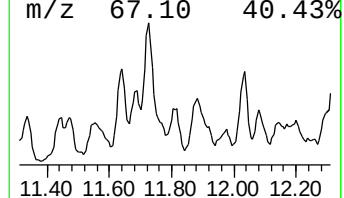
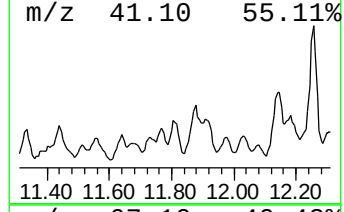
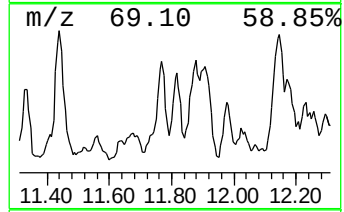
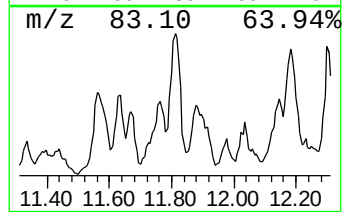
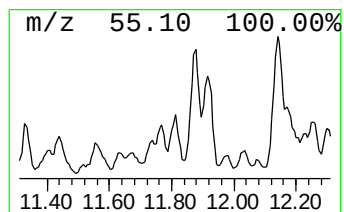
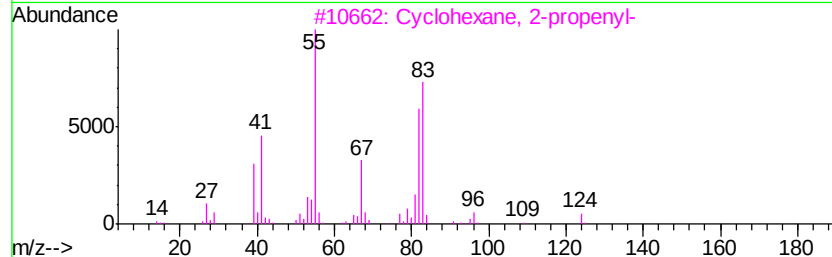
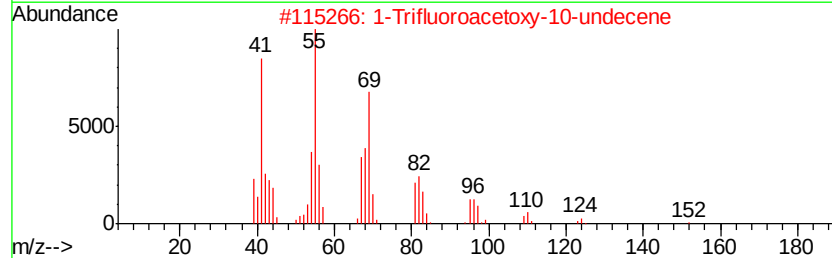
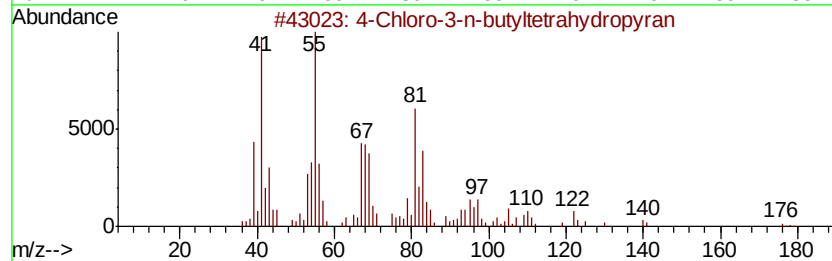
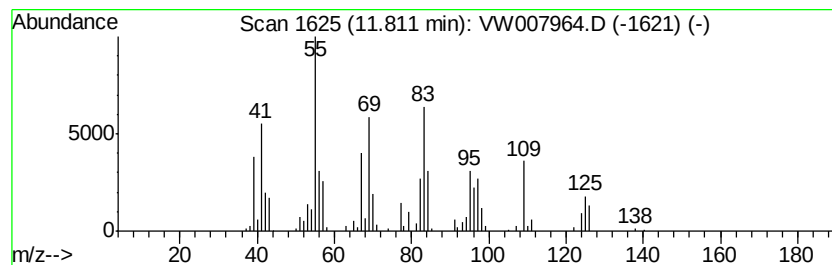
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Quant Title : VOC Analysis

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

Peak Number 30 4-Chloro-3-n-butyltetrahydr... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.81	7.14 ug/L	114323	Chlorobenzene-d5	11.63

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4-Chloro-3-n-butyltetrahydropyran	176	C9H17ClO	035952-06-8	53
2			1-Trifluoroacetoxy-10-undecene	266	C13H21F3O2	001675-20-3	43
3			Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	35
4			Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	004795-86-2	30
5			2,3-Dimethyl-3-heptene	126	C9H18	1000113-49-3	27



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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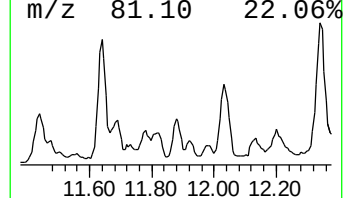
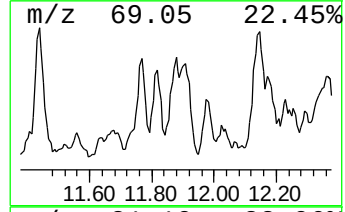
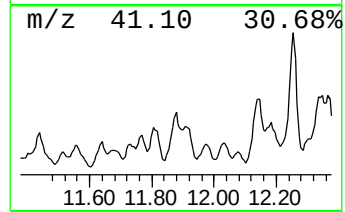
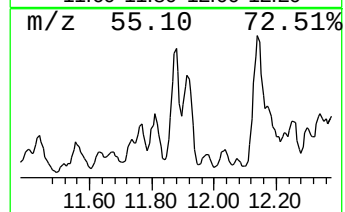
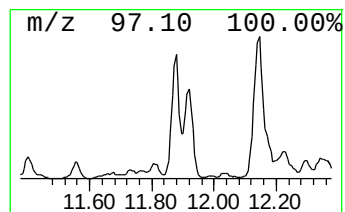
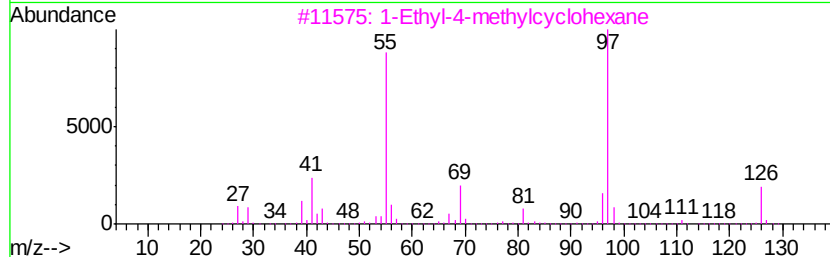
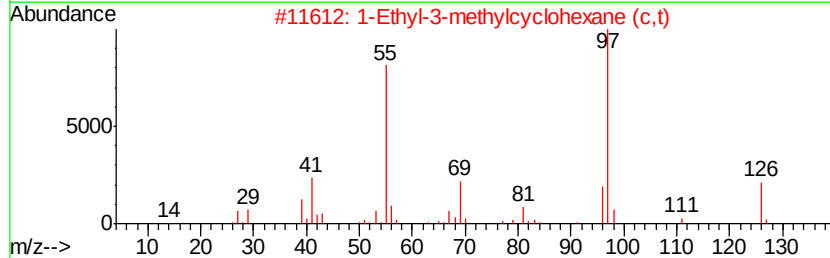
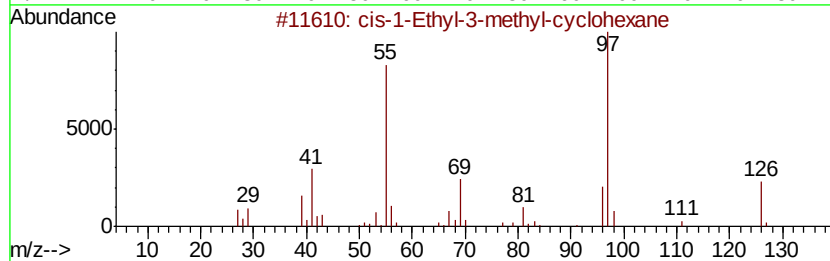
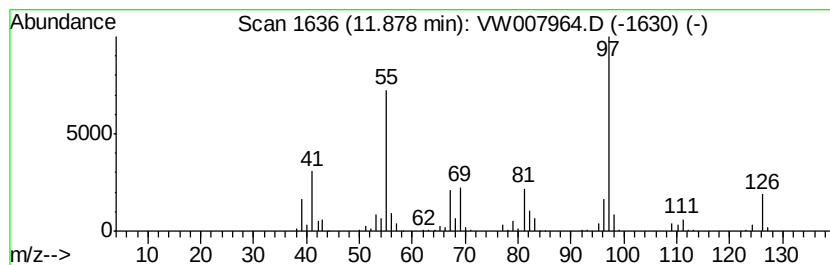
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Quant Title : VOC Analysis

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

Peak Number 31 (DEL) Alkane: Cyclic11.88 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	11.34 ug/L	181630	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	70
2		1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	70
3		1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	68
4		4-Hepten-3-one, 5-methyl-	126	C8H14O	001447-26-3	58
5		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
 Data File : VW007964.D
 Acq On : 27 Dec 2018 12:23
 Operator : SY/AP
 Sample : J6489-07
 Misc : 5.05G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
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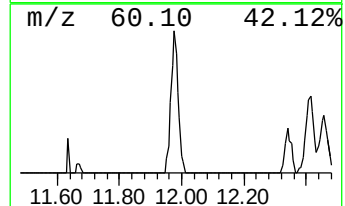
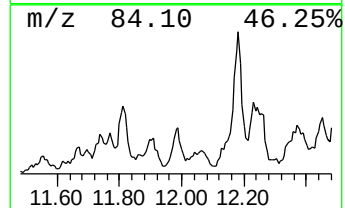
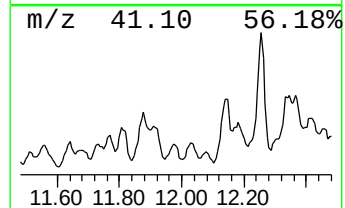
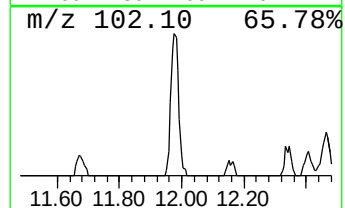
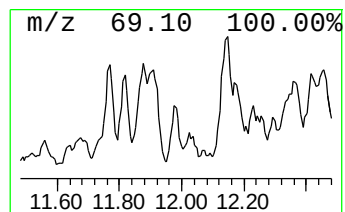
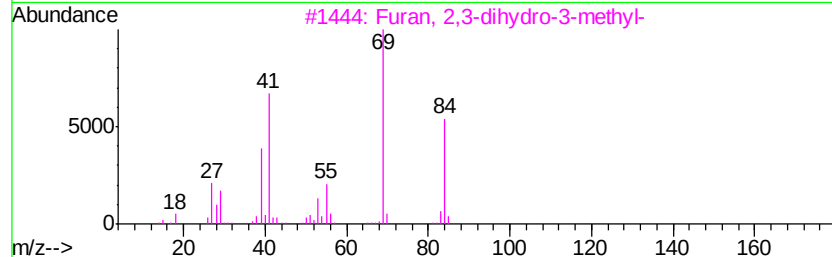
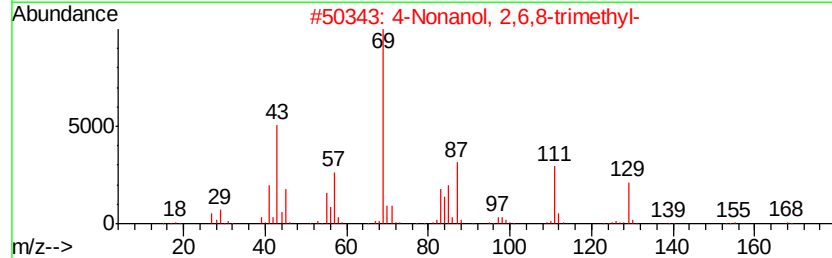
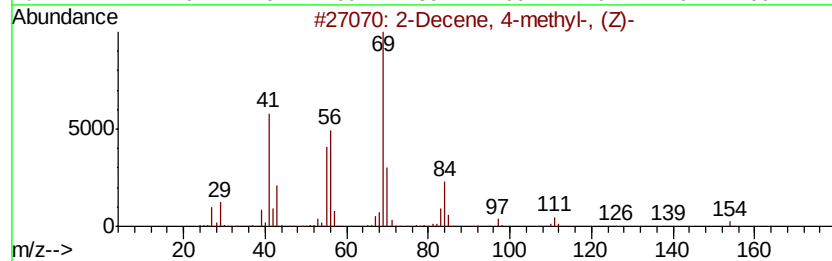
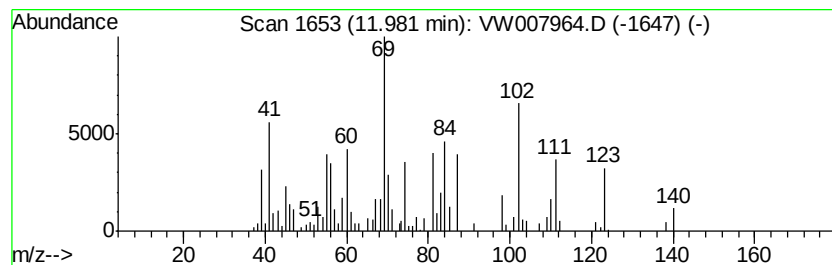
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 Quant Title : VOC Analysis

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

 Peak Number 32 (DEL) Alkane: Cyclic11.98 Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	3.17 ug/L	50797	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Decene, 4-methyl-, (Z)-	154	C11H22	074630-30-1	35
2		4-Nonanol, 2,6,8-trimethyl-	186	C12H26O	000123-17-1	27
3		Furan, 2,3-dihydro-3-methyl-	84	C5H8O	001708-27-6	25
4		Cyclopropane, 1,2,3-trimethyl-	84	C6H12	042984-19-0	25
5		Cyclopropane, (1,2-dimethylpropyl)-	112	C8H16	006976-27-8	22



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

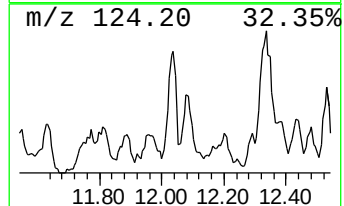
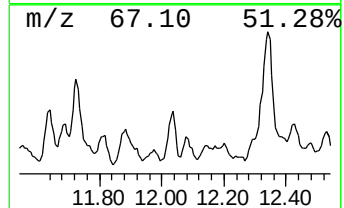
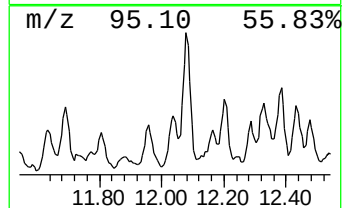
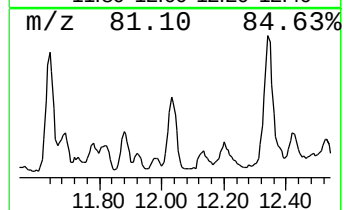
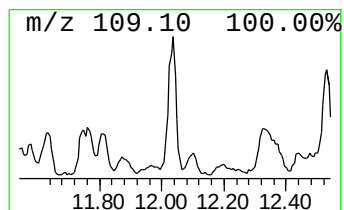
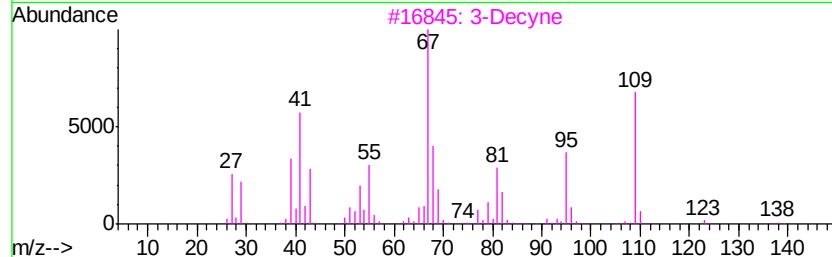
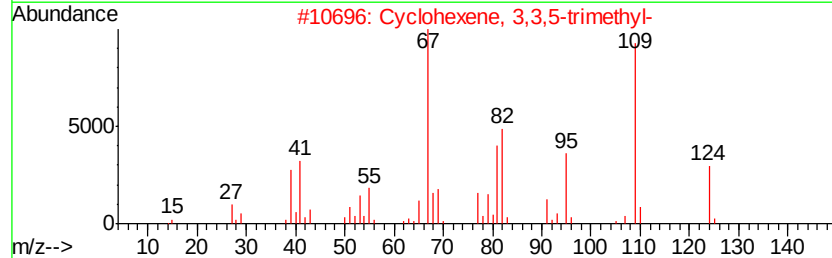
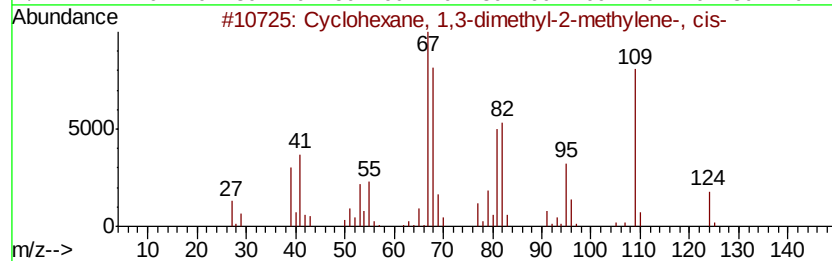
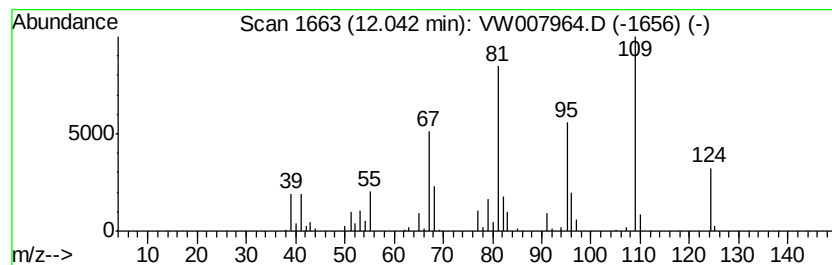
Instrument :
MSVOA_W
ClientSampleId :
F9F75

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122618S.M
Quant Title : VOC Analysis

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

Peak Number 33 Cyclohexane, 1,3-dimethyl-2... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.04	6.39 ug/L	102455	Chlorobenzene-d5	11.63		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-2-meth...	124	C9H16	019781-47-6	81	
2	Cyclohexene, 3,3,5-trimethyl-	124	C9H16	000503-45-7	74	
3	3-Decyne	138	C10H18	002384-85-2	72	
4	Cyclohexene, 3,3,5-trimethyl-	124	C9H16	000503-45-7	70	
5	Cyclohexene, 3,5,5-trimethyl-	124	C9H16	000933-12-0	64	



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

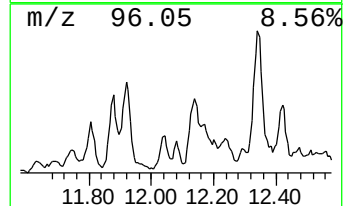
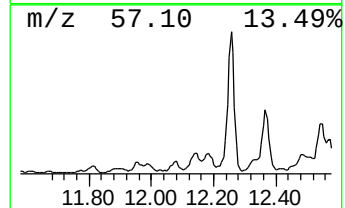
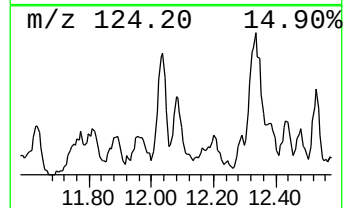
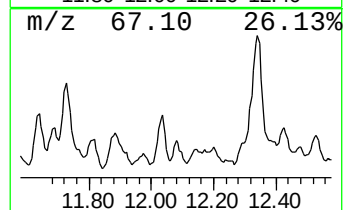
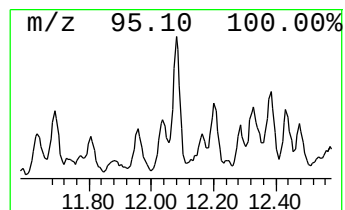
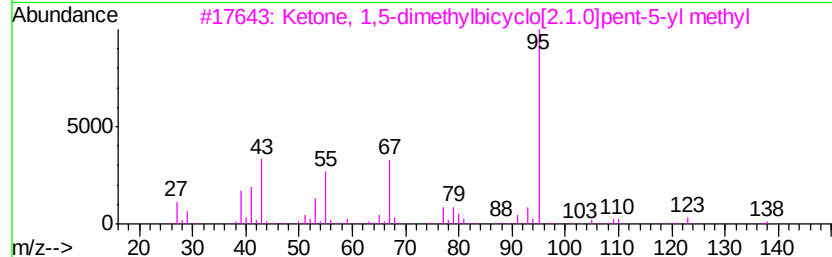
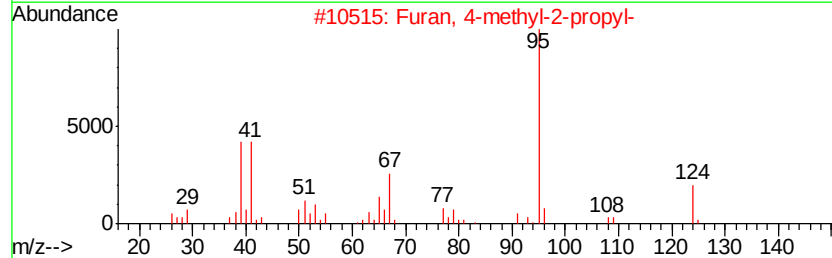
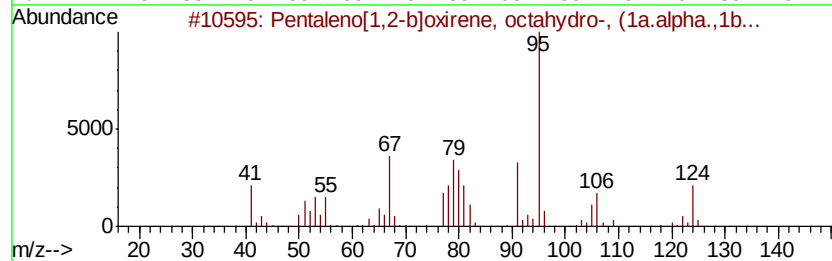
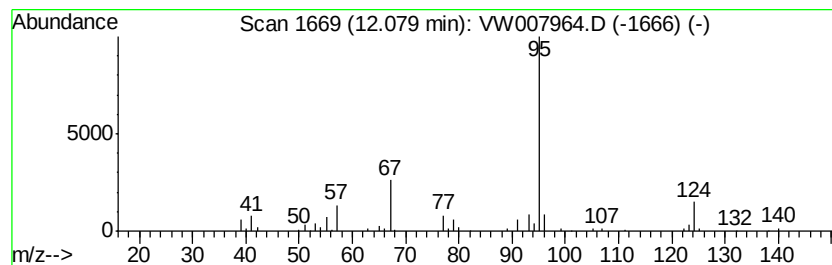
Instrument :
MSVOA_W
ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122618S.M
Quant Title : VOC Analysis

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

Peak Number 34 Pentaleno[1,2-b]oxirene, oc... Concentration Rank 72

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.08	2.42 ug/L	38757	Chlorobenzene-d5	11.63		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentaleno[1,2-b]oxirene, octahyd...	124	C8H12O	055449-71-3	72
2		Furan, 4-methyl-2-propyl-	124	C8H12O	006148-37-4	64
3		Ketone, 1,5-dimethylbicyclo[2.1....	138	C9H14O	024081-57-0	59
4		Silane, diethyldifluoro-	124	C4H10F2Si	000358-06-5	50
5		Bicyclo[3.2.1]oct-2-ene, 3-(1,1-...	180	C12H20O	037609-41-9	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

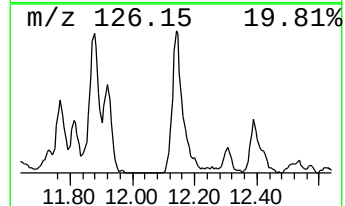
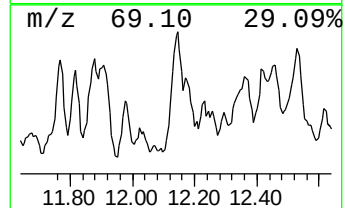
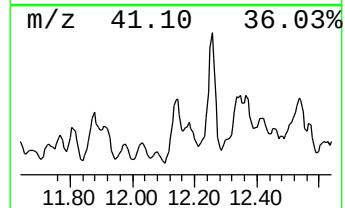
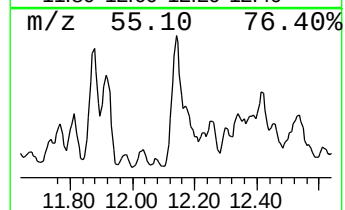
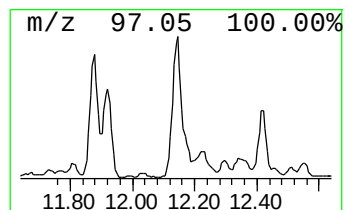
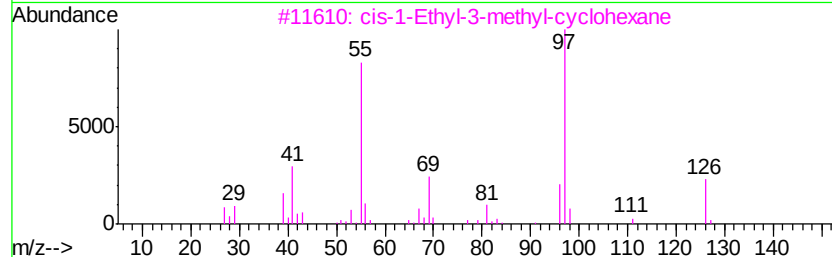
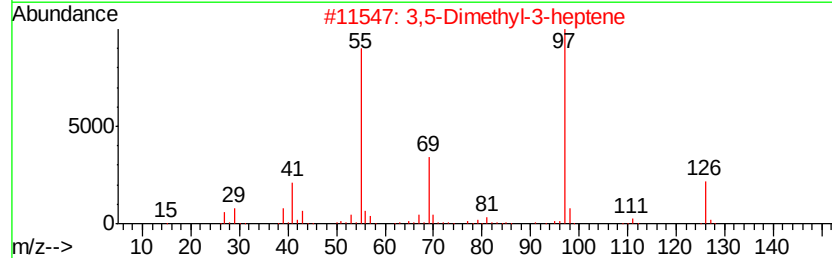
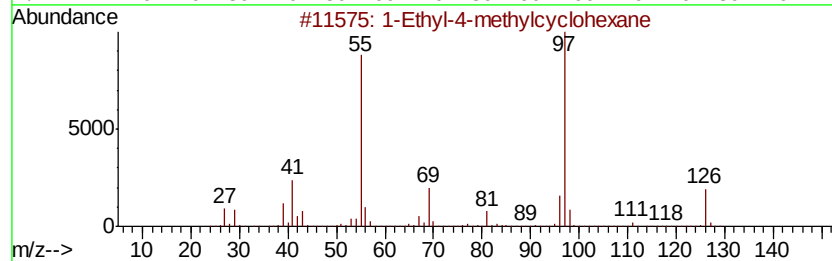
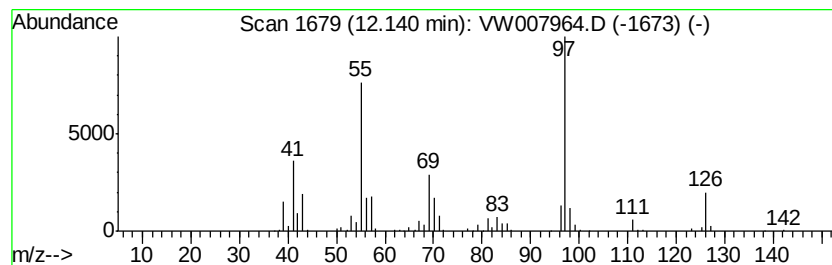
Instrument :
MSVOA_W
ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122618S.M
Quant Title : VOC Analysis

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

Peak Number 35 (DEL) Alkane: Cyclic12.14 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.14	14.33 ug/L	229595	Chlorobenzene-d5	11.63		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	81
2		3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	72
3		cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	64
4		3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	64
5		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9F75

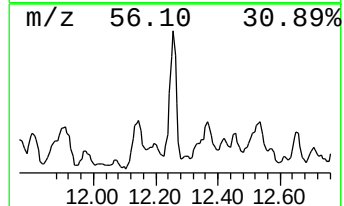
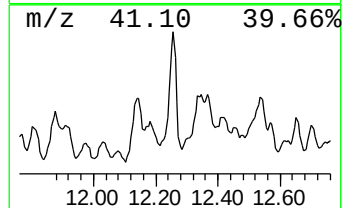
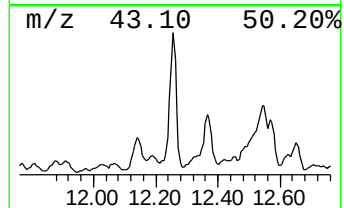
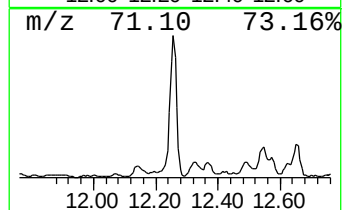
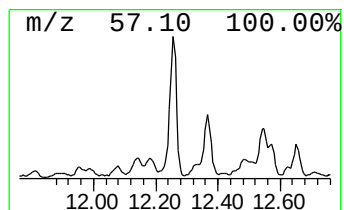
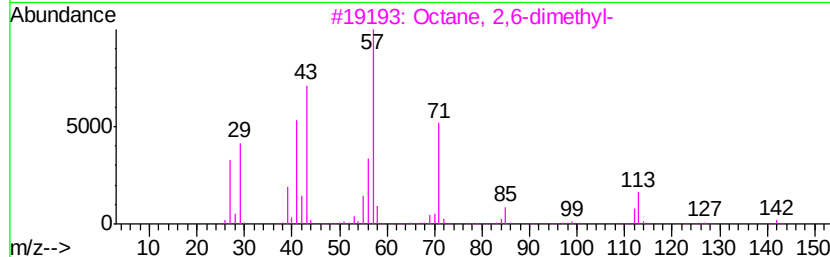
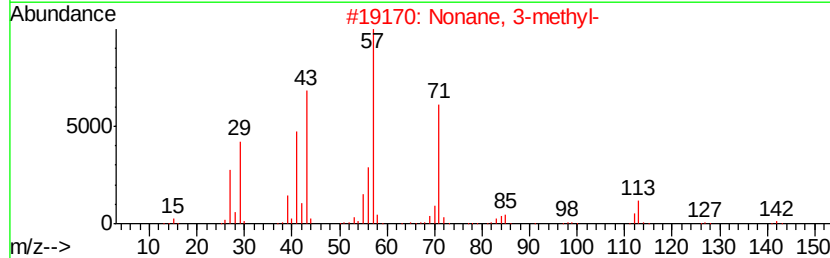
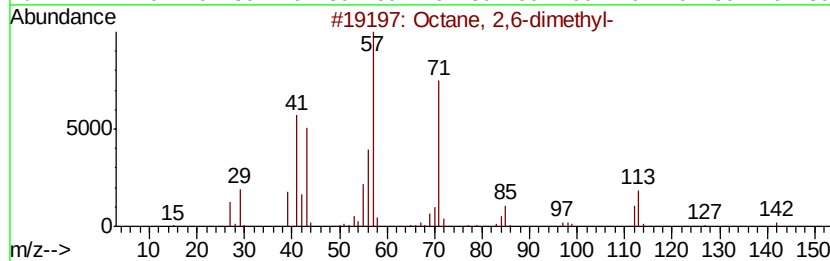
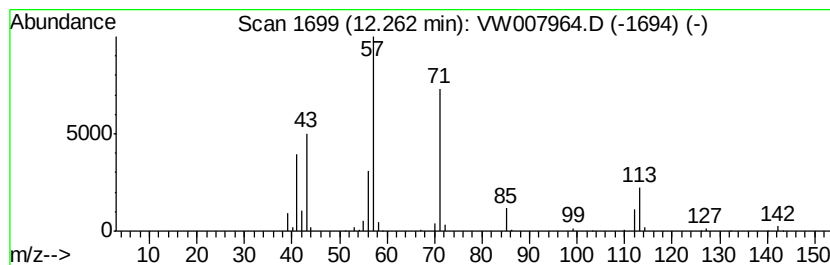
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Quant Title : VOC Analysis

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

Peak Number 36 (DEL) Alkane: Cyclic12.26 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	12.08 ug/L	193522	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	90
4		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	87
5		Nonane, 3-methyl-	142	C10H22	005911-04-6	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9F75

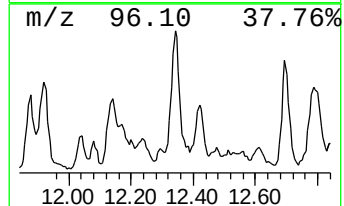
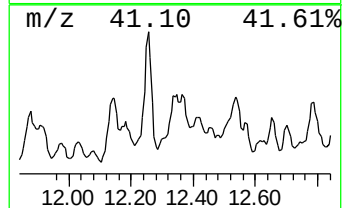
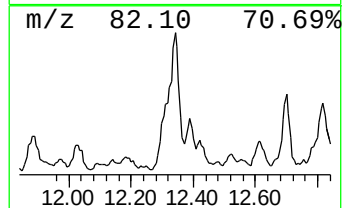
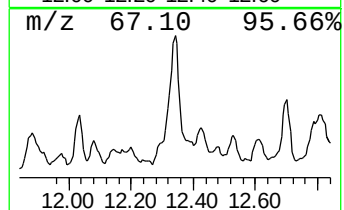
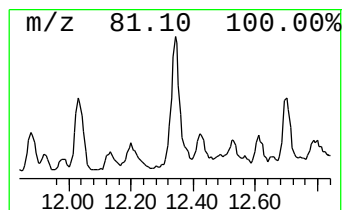
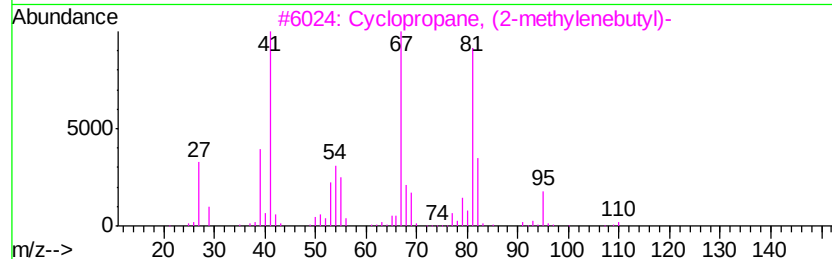
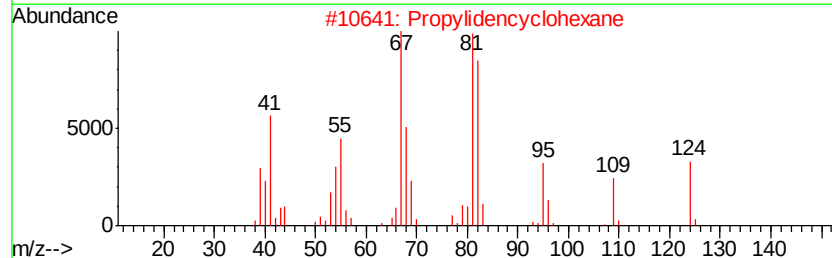
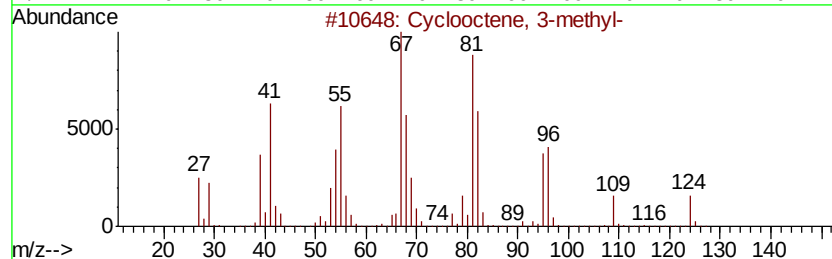
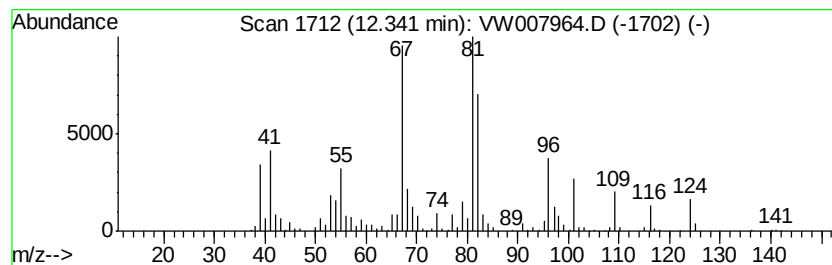
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Quant Title : VOC Analysis

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

Peak Number 37 Cyclooctene, 3-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	26.67 ug/L	427313	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclooctene, 3-methyl-	124	C9H16	013152-05-1	74
2		Propylidencyclohexane	124	C9H16	002129-93-3	60
3		Cyclopropane, (2-methylenebutyl)-	110	C8H14	074685-56-6	58
4		3-Octyne, 2-methyl-	124	C9H16	055402-15-8	49
5		Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9F75

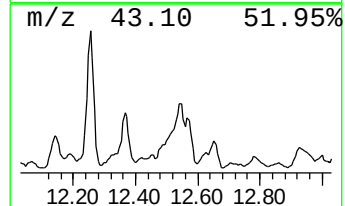
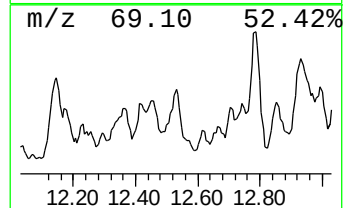
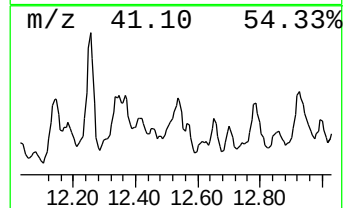
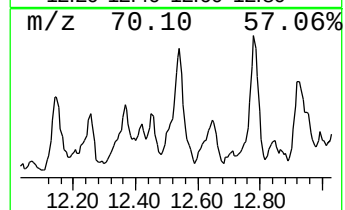
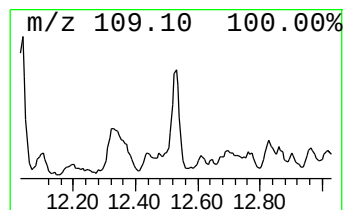
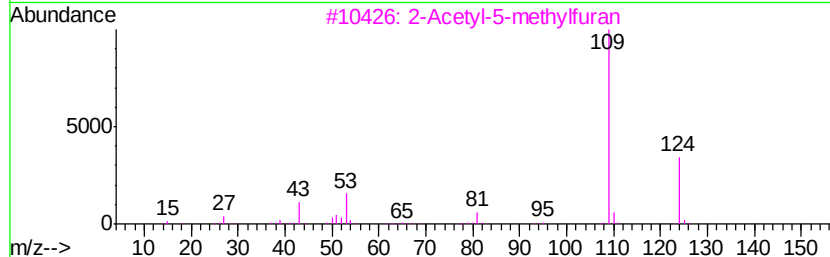
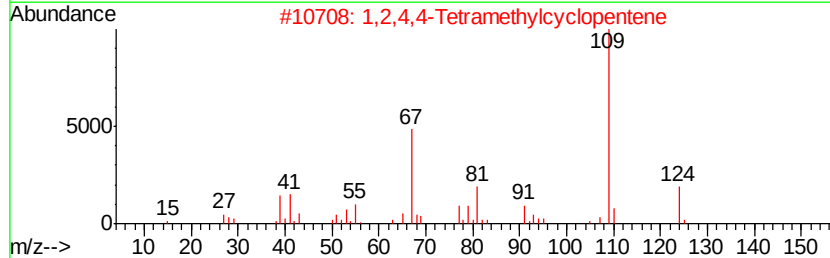
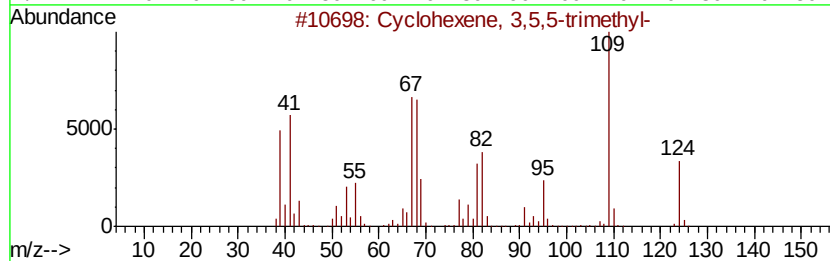
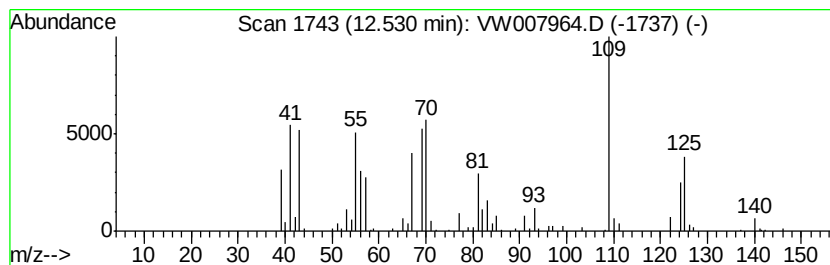
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Quant Title : VOC Analysis

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

Peak Number 38 unknown-03 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	9.26 ug/L	148390	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexene, 3,5,5-trimethyl-	124	C9H16	000933-12-0	38
2		1,2,4,4-Tetramethylcyclopentene	124	C9H16	065378-76-9	38
3		2-Acetyl-5-methylfuran	124	C7H8O2	001193-79-9	30
4		Cyclohexene, 3,3,5-trimethyl-	124	C9H16	000503-45-7	30
5		Ethanone, 1-(2-methyl-1-cyclopen...	124	C8H12O	003168-90-9	27



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

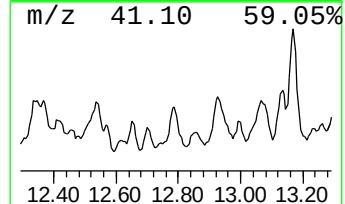
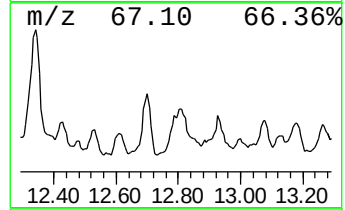
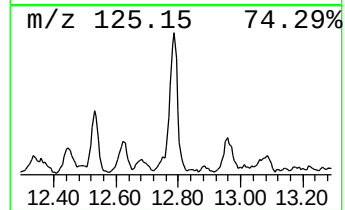
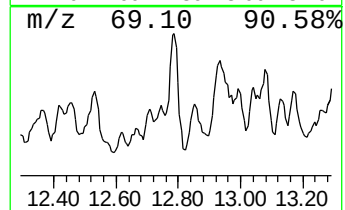
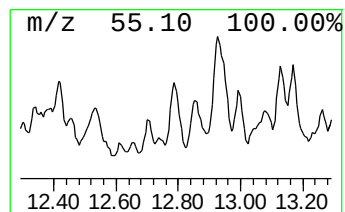
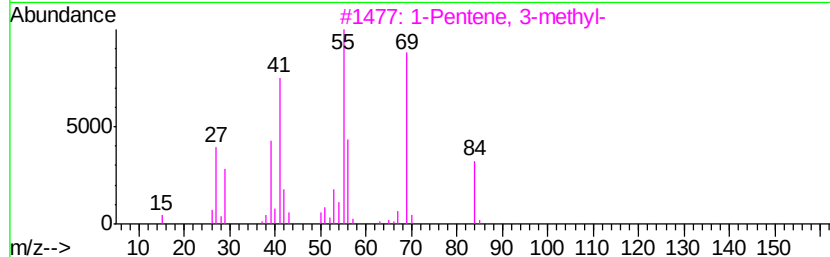
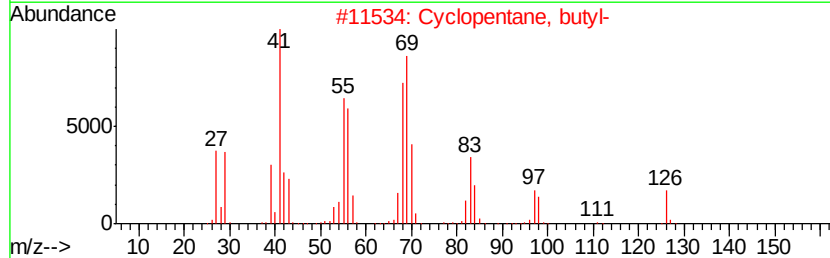
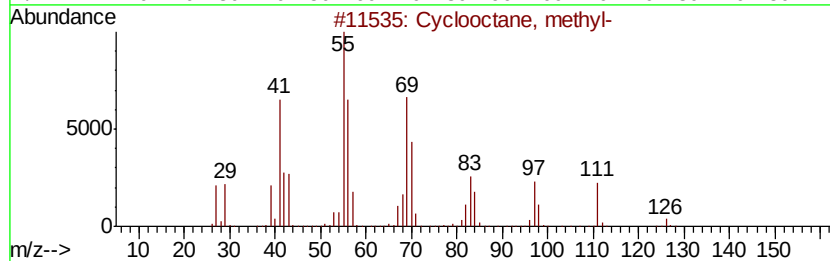
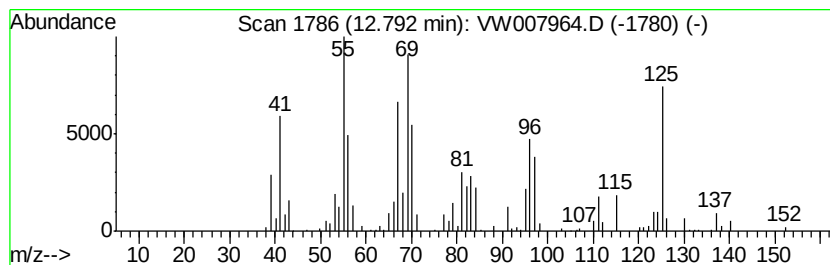
Instrument :
MSVOA_W
ClientSampled :
F9F75

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Quant Title : VOC Analysis

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

Peak Number 40 (DEL) Alkane: Cyclic12.79 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.79	10.88 ug/L	149639	1,4-Dichlorobenzene-d4	13.56	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclooctane, methyl-	126	C9H18	001502-38-1	38
2	Cyclopentane, butyl-	126	C9H18	002040-95-1	38
3	1-Pentene, 3-methyl-	84	C6H12	000760-20-3	38
4	Cyclopropane, 1-ethyl-1-methyl-	84	C6H12	053778-43-1	30
5	4-Octene, 2,6-dimethyl-, [S-(Z)]-	140	C10H20	062960-77-4	30



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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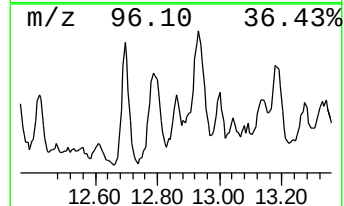
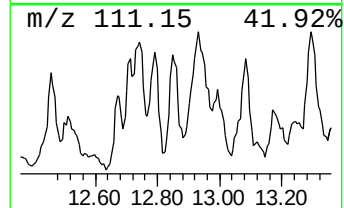
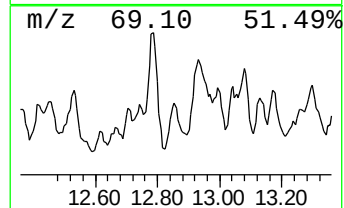
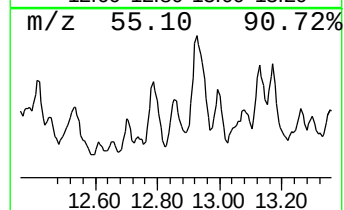
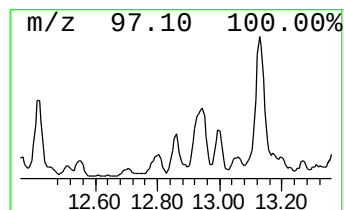
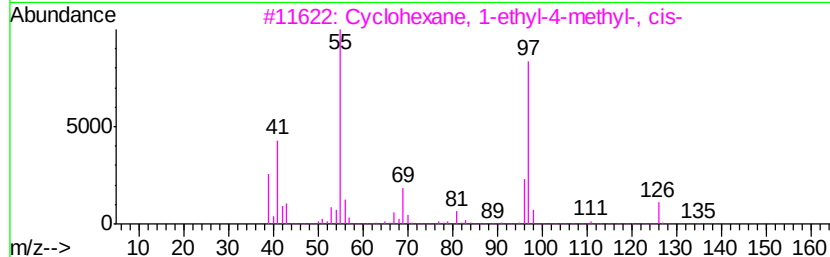
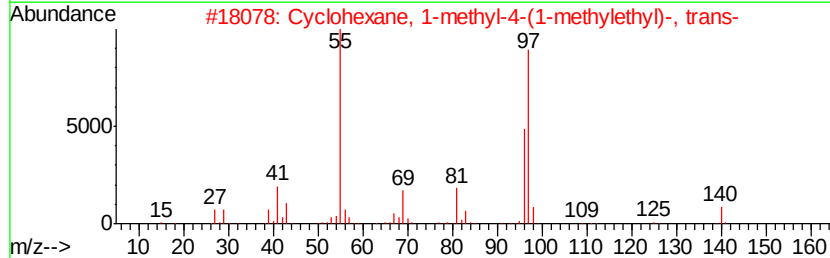
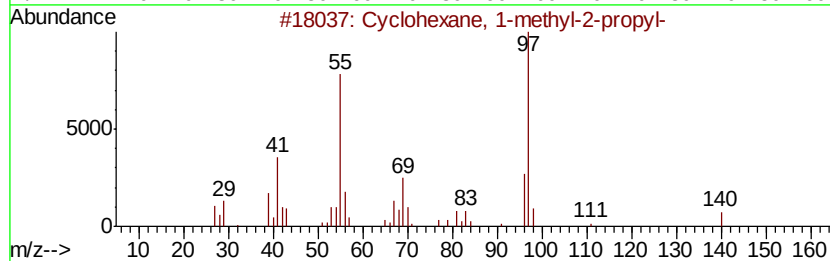
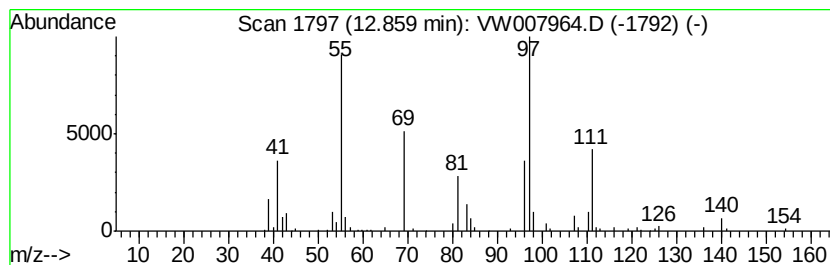
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Quant Title : VOC Analysis

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

Peak Number 41 (DEL) Alkane: Cyclic12.86 Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.86	3.66 ug/L	50346	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	58
2			Cyclohexane, 1-methyl-4-(1-methyl-2-propyl)-	140	C10H20	001678-82-6	52
3			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	50
4			Oxalic acid, di(cyclohexylmethyl)-	282	C16H26O4	1000309-68-5	50
5			Cyclopentane, 1,1'-ethylidenebis-	166	C12H22	004413-21-2	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
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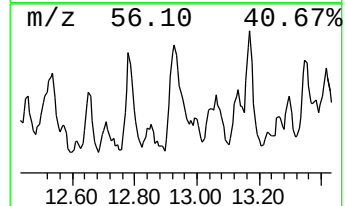
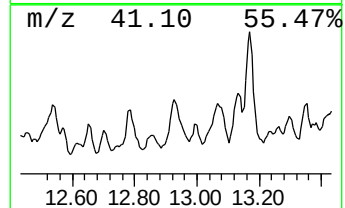
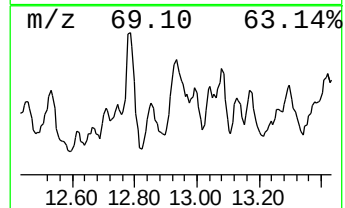
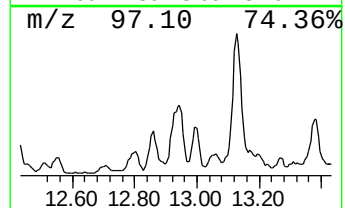
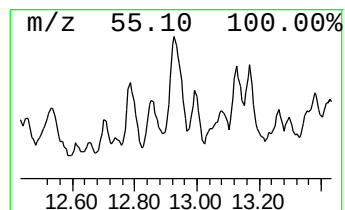
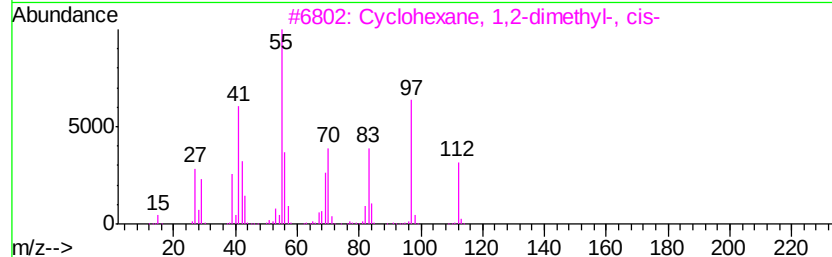
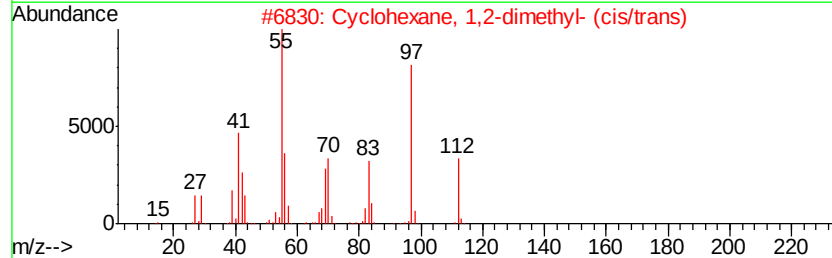
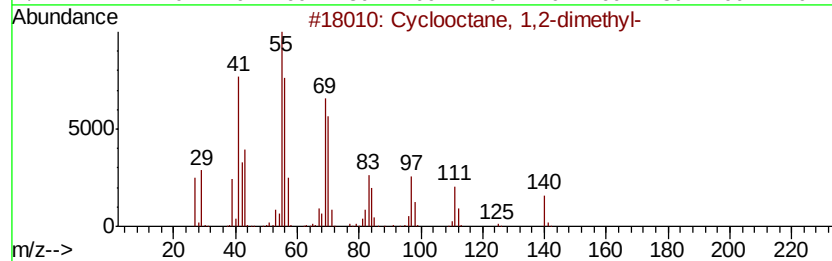
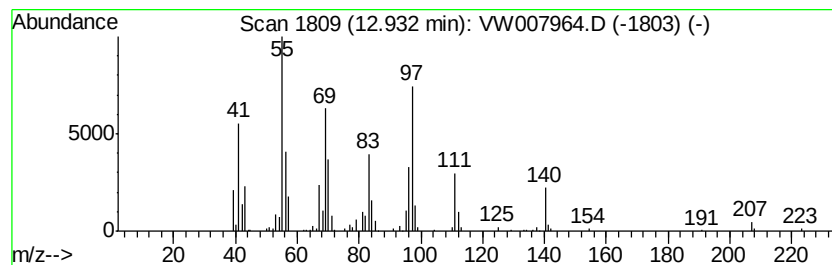
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Quant Title : VOC Analysis

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

Peak Number 42 (DEL) Alkane: Cyclic12.93 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.93	15.03 ug/L	206804	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclooctane, 1,2-dimethyl-	140	C10H20	013151-94-5	76
2		Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	70
3		Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	62
4		4-Propylcyclohexanone	140	C9H16O	040649-36-3	58
5		4-Decene	140	C10H20	019689-18-0	55



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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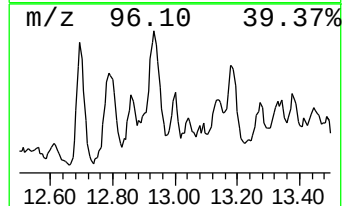
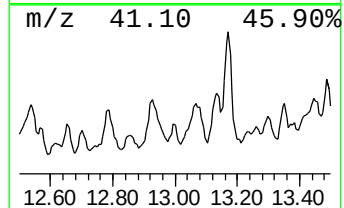
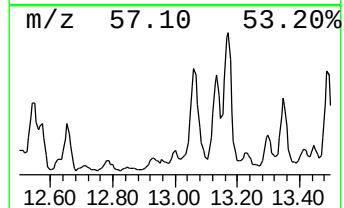
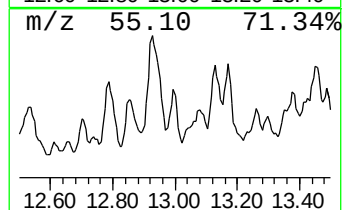
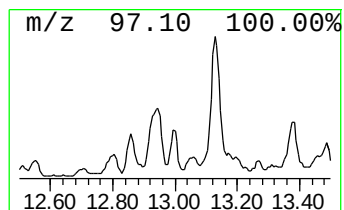
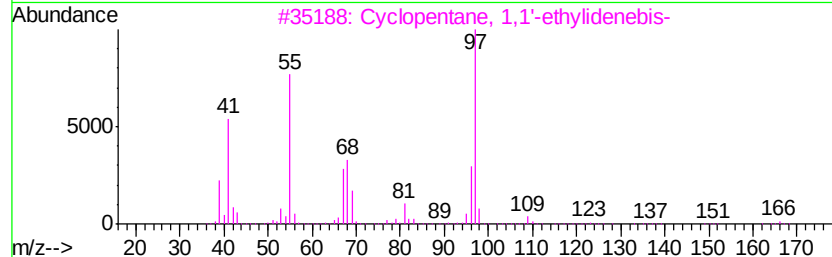
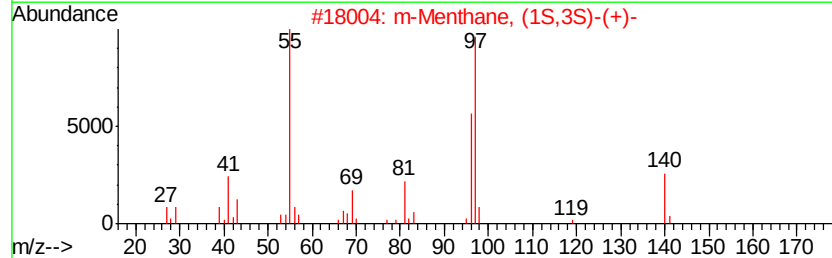
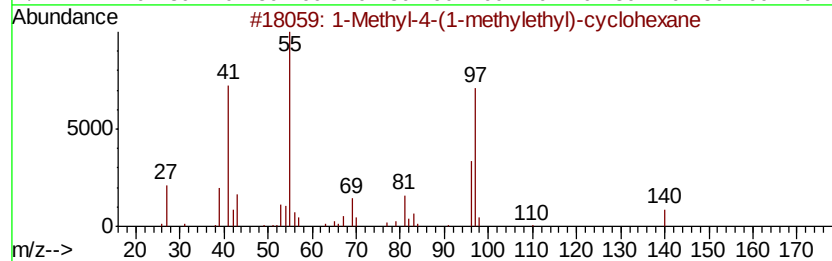
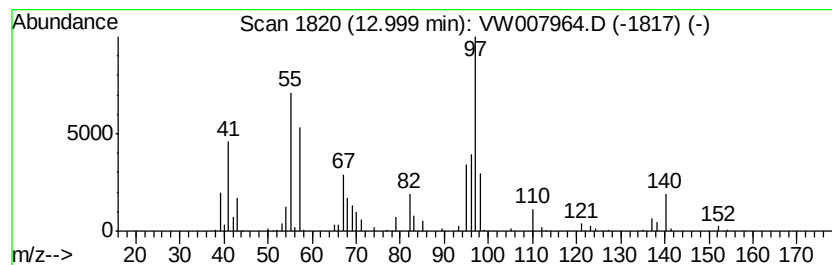
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Quant Title : VOC Analysis

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

Peak Number 43 (DEL) Alkane: Cyclic13.00 Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.00	3.11 ug/L	42783	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	50
2			m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	47
3			Cyclopentane, 1,1'-ethylidenebis-	166	C12H22	004413-21-2	38
4			Cyclohexanemethanol, 2-methyl-	128	C8H16O	002105-40-0	38
5			Oxalic acid, butyl cyclohexylmet...	242	C13H22O4	1000309-68-2	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

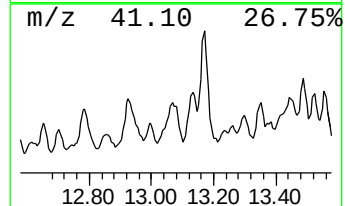
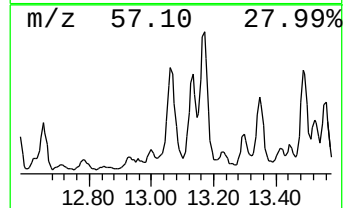
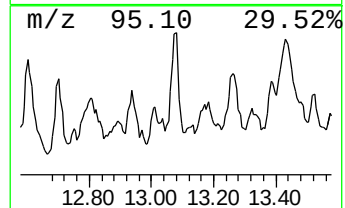
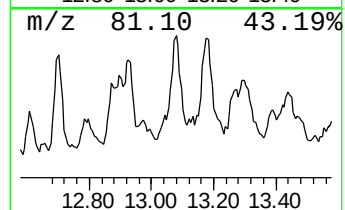
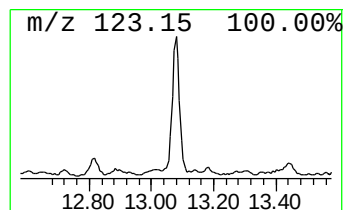
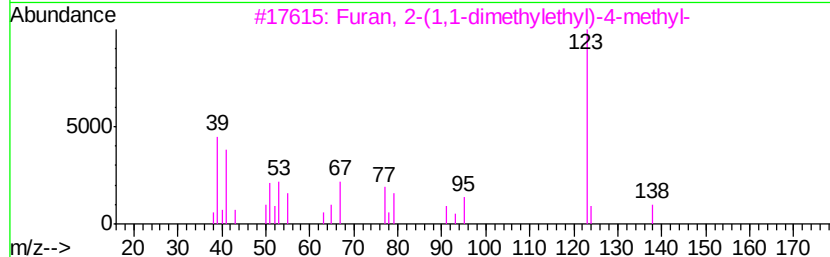
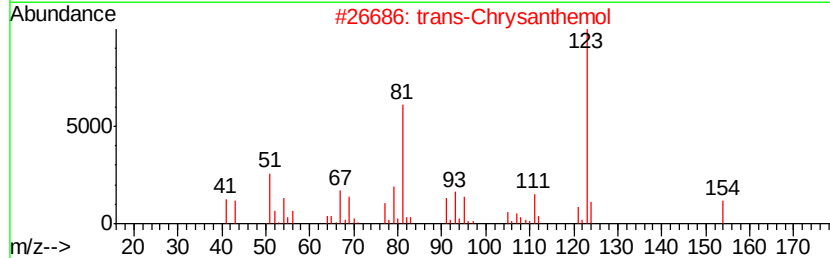
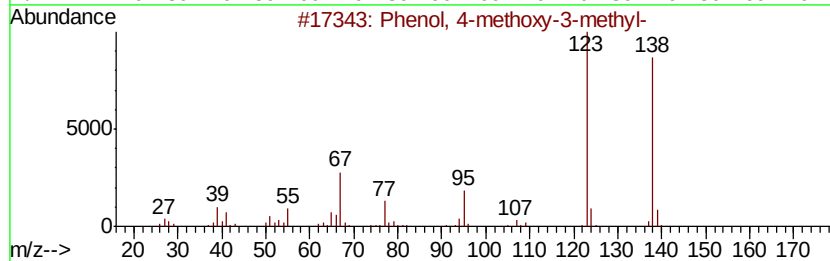
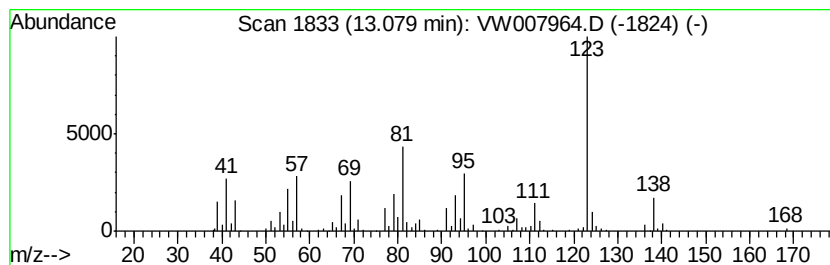
Instrument :
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122618S.M
Quant Title : VOC Analysis

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

Peak Number 44 Phenol, 4-methoxy-3-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.08	16.85 ug/L	231833	1,4-Dichlorobenzene-d4	13.56		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenol, 4-methoxy-3-methyl-	138	C8H10O2	014786-82-4	64
2		trans-Chrysanthemol	154	C10H18O	018383-58-9	64
3		Furan, 2-(1,1-dimethylethyl)-4-m...	138	C9H14O	006141-68-0	59
4		Benzene, 1,4-dimethoxy-	138	C8H10O2	000150-78-7	58
5		2-Fluorobenzoic acid, 6-ethyl-2-...	280	C17H25FO2	1000278-96-7	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

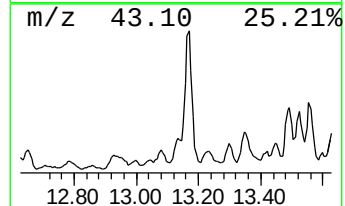
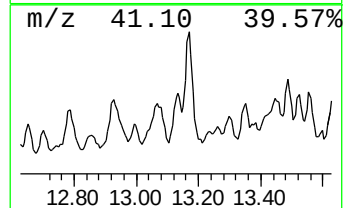
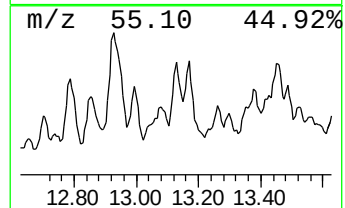
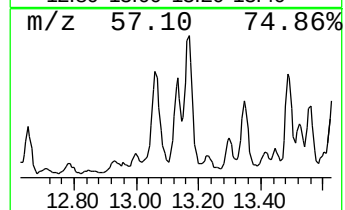
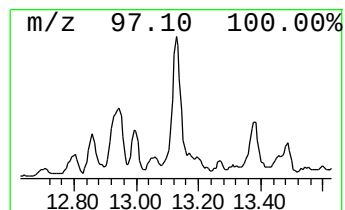
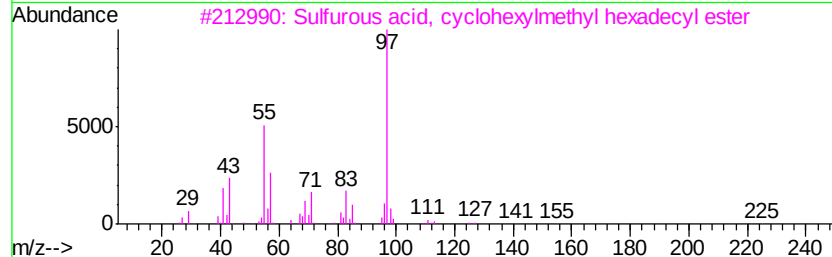
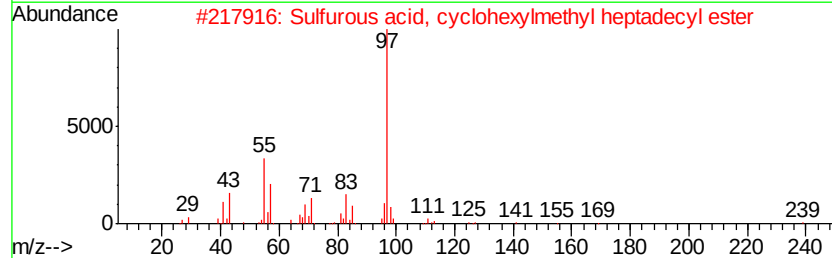
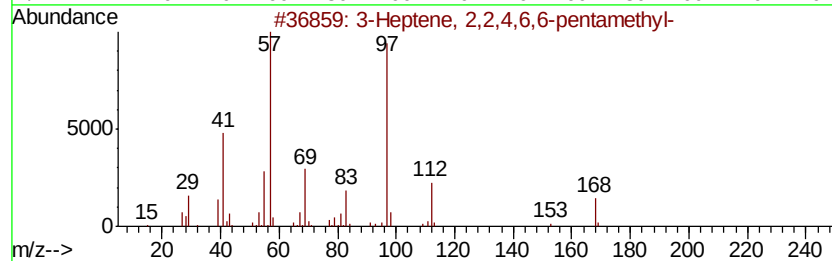
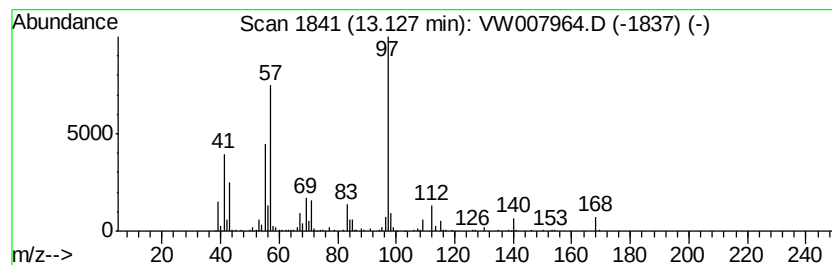
Instrument :
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ClientSampleId :
F9F75

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122618S.M
Quant Title : VOC Analysis

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

Peak Number 45 (DEL) Alkane: Cyclic13.13 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.13	10.10 ug/L	138873	1,4-Dichlorobenzene-d4	13.56		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Heptene, 2,2,4,6,6-pentamethyl-	168	C12H24		000123-48-8	59
2	Sulfurous acid, cyclohexylmethyl...	416	C24H48O3S		1000309-22-5	53
3	Sulfurous acid, cyclohexylmethyl...	402	C23H46O3S		1000309-22-4	50
4	Sulfurous acid, cyclohexylmethyl...	430	C25H50O3S		1000309-22-6	50
5	3-Butene-1,2-diol, 1-(2-furanyl)...	168	C9H12O3		021141-71-9	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9F75

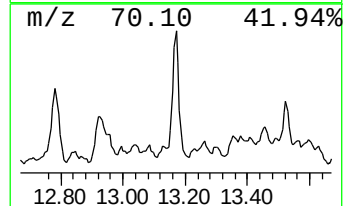
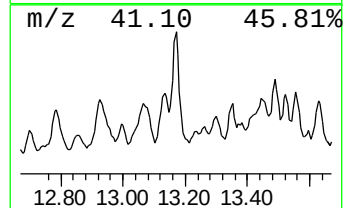
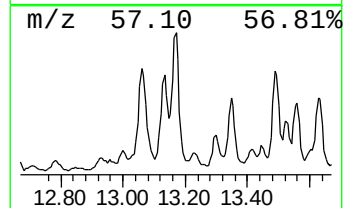
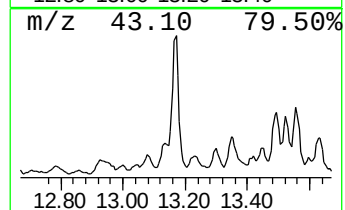
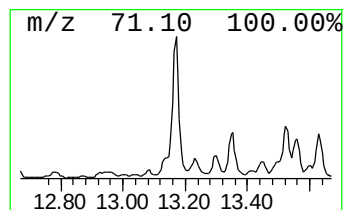
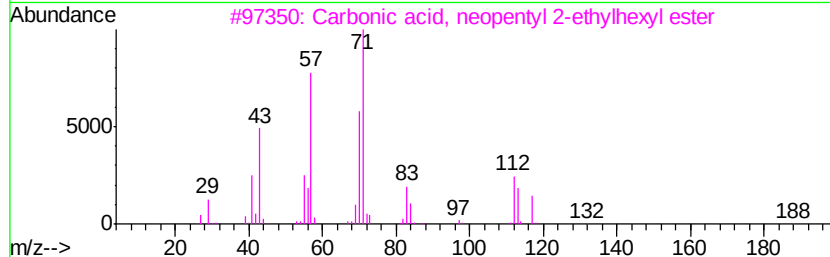
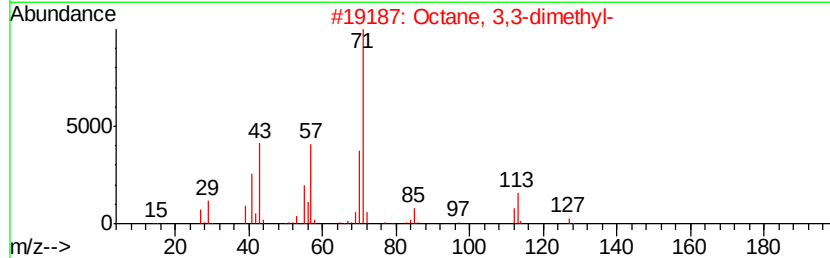
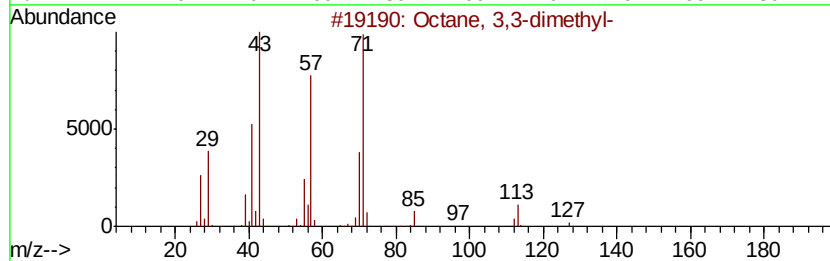
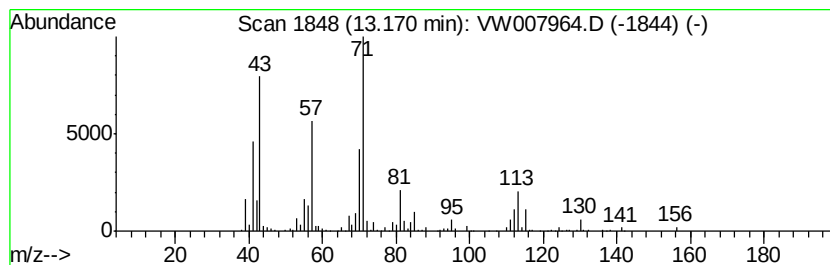
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Quant Title : VOC Analysis

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

Peak Number 46 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	23.35 ug/L	321280	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	72
2		Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	64
3		Carbonic acid, neopentyl 2-ethyl...	244	C14H28O3	1000357-85-7	53
4		1-Butanol, 2,2-dimethyl-	102	C6H14O	001185-33-7	50
5		1-Hexene, 3,4,5-trimethyl-	126	C9H18	056728-10-0	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9F75

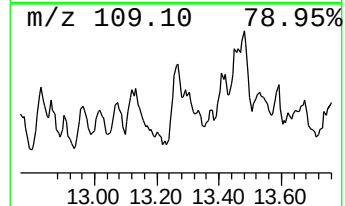
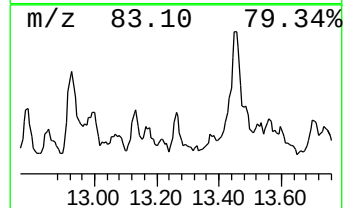
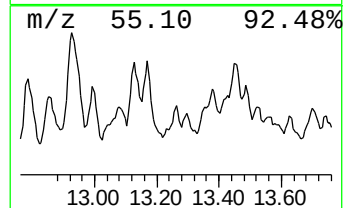
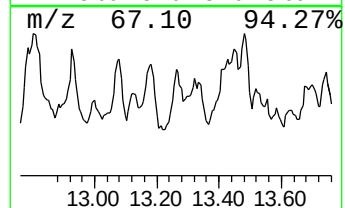
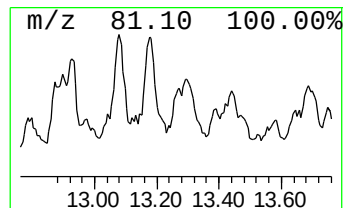
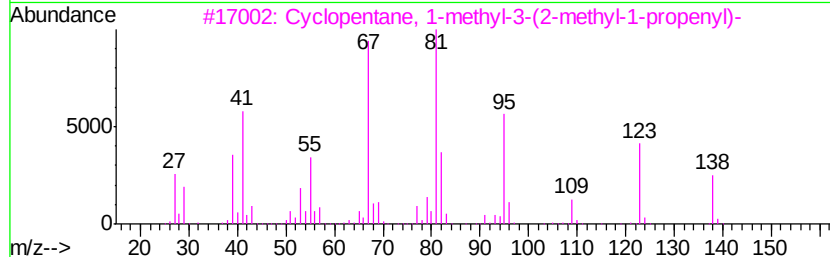
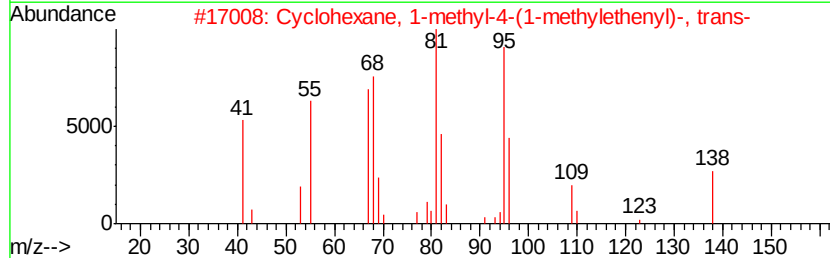
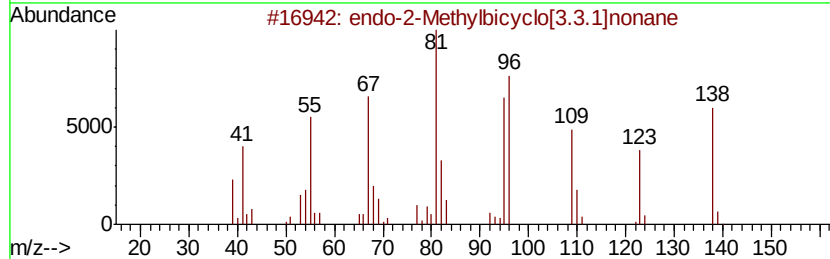
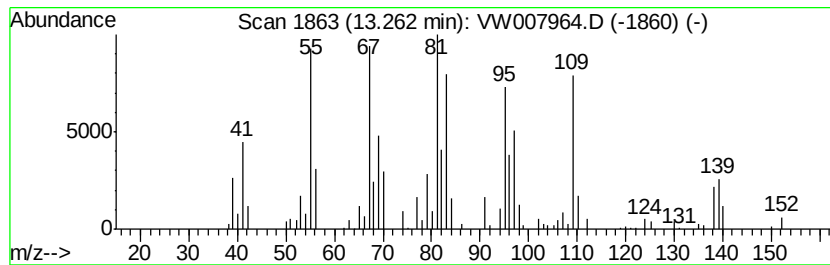
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Quant Title : VOC Analysis

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

Peak Number 47 unknown-04 Concentration Rank 76

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	2.14 ug/L	29405	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	endo-2-Methylbicyclo[3.3.1]nonane	138	C10H18	042558-37-2	49		
2	Cyclohexane, 1-methyl-4-(1-methyl-2-propenyl)-	138	C10H18	001124-25-0	49		
3	Cyclopentane, 1-methyl-3-(2-methyl-1-propenyl)-	138	C10H18	075873-01-7	49		
4	Bicyclo[4.1.0]heptane, 3,7,7-trimethyl-	138	C10H18	018968-23-5	46		
5	Cyclohexane, butylidene-	138	C10H18	002272-03-9	45		



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9F75

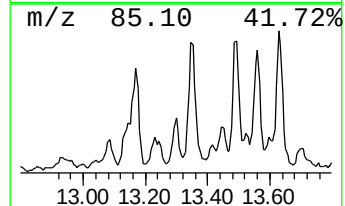
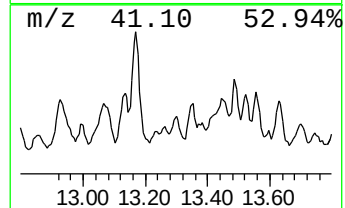
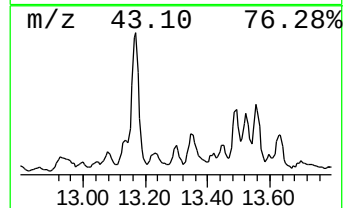
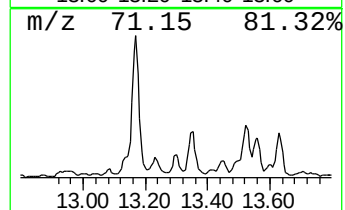
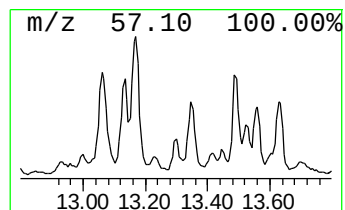
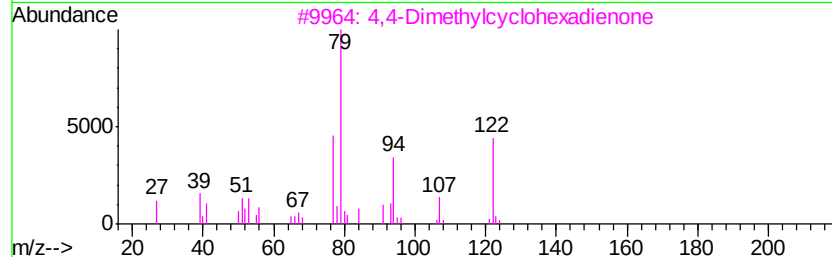
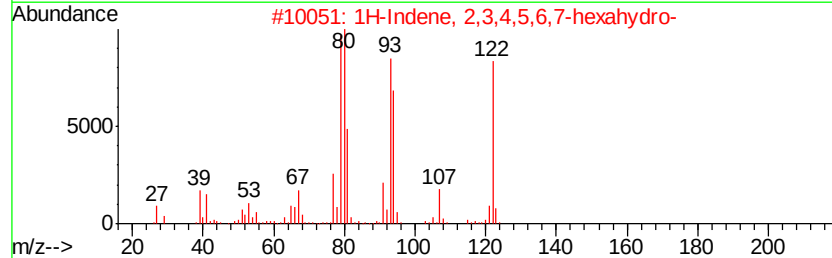
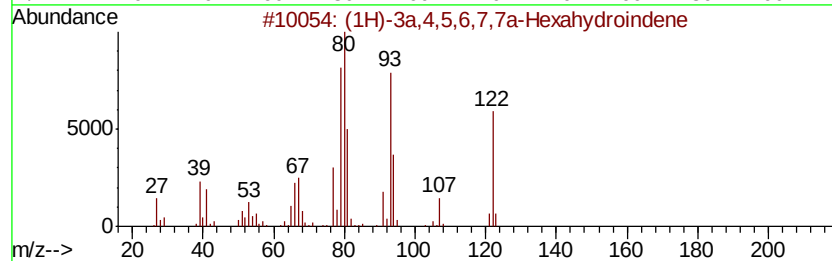
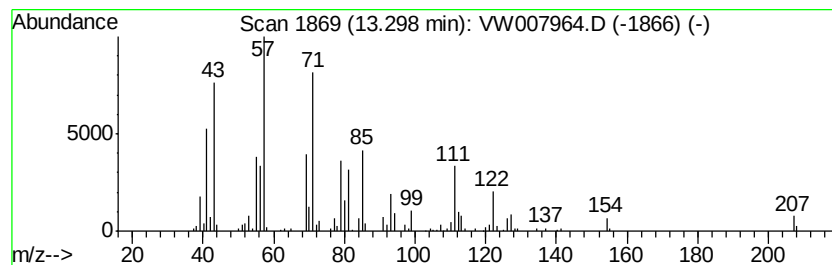
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Quant Title : VOC Analysis

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

Peak Number 48 unknown-05 Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.30	4.92 ug/L	67738	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(1H)-3a,4,5,6,7,7a-Hexahydroindene	122	C9H14	1000196-59-5	46
2		1H-Indene, 2,3,4,5,6,7-hexahydro-	122	C9H14	000695-90-9	45
3		4,4-Dimethylcyclohexadienone	122	C8H10O	001073-14-9	27
4		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	18
5		1-Methylcyclohexa-1,3-diene	94	C7H10	1000298-96-0	18



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9F75

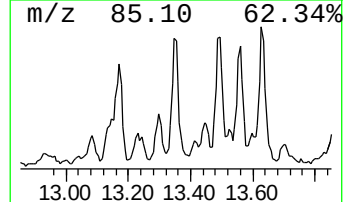
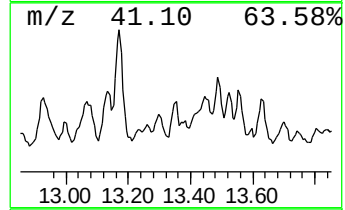
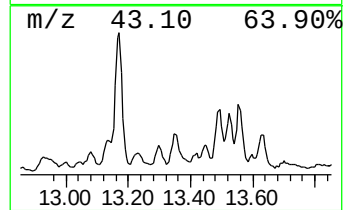
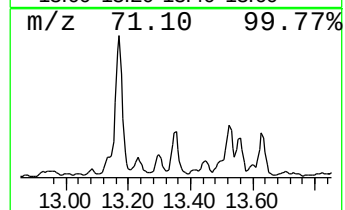
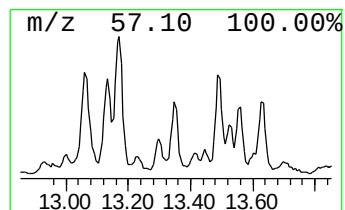
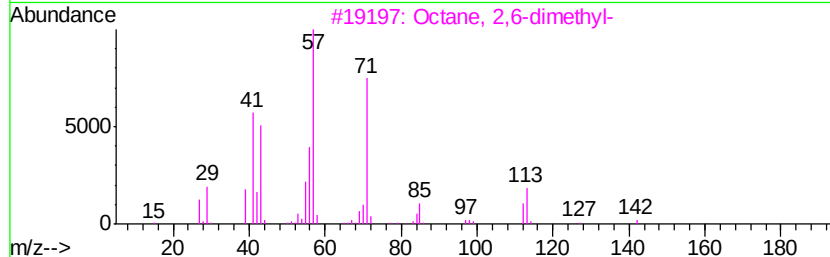
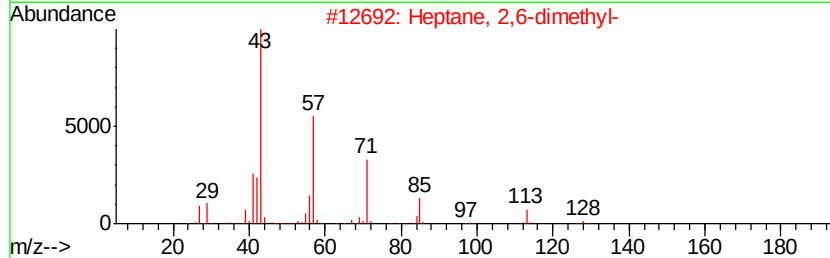
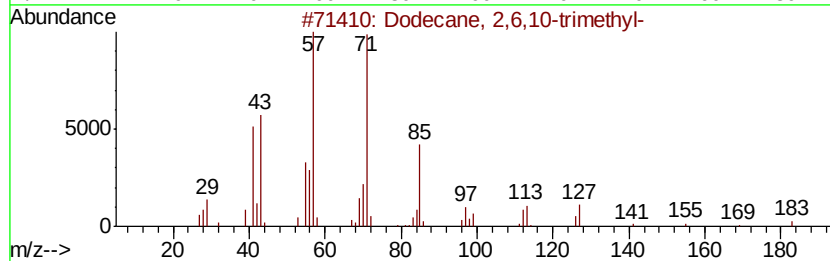
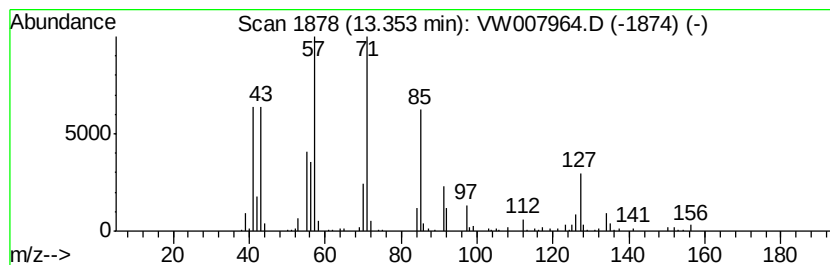
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Quant Title : VOC Analysis

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

Peak Number 49 (DEL) Alkane: Straight-Chai... Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.35	5.03 ug/L	69264	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	78
2			Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	53
3			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	50
4			1-Octanol, 2,2-dimethyl-	158	C10H22O	002370-14-1	50
5			Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

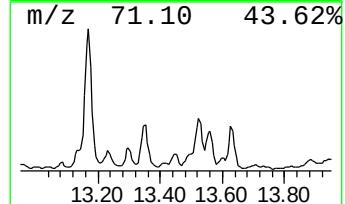
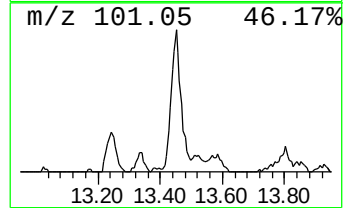
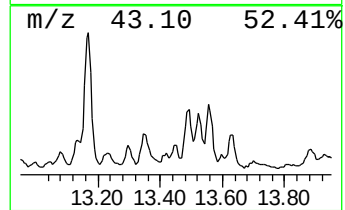
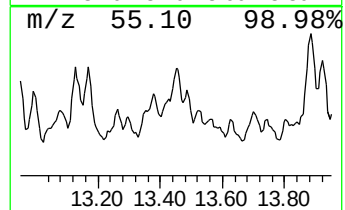
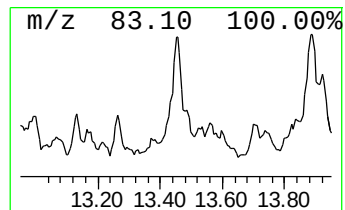
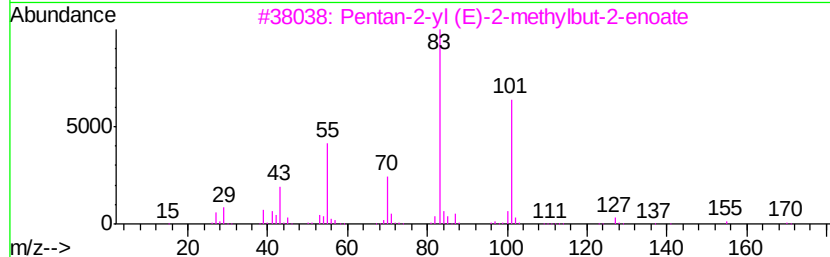
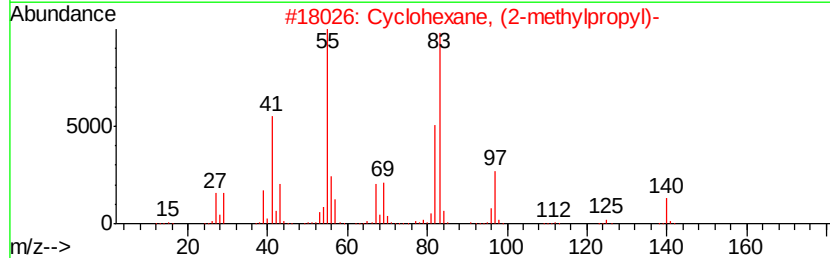
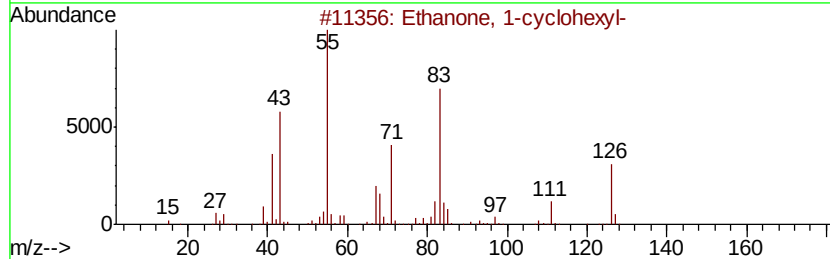
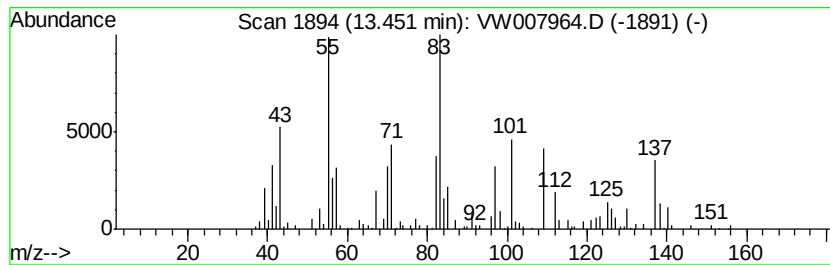
Instrument :
MSVOA_W
ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122618S.M
Quant Title : VOC Analysis

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

Peak Number 50 unknown-06 Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.45	4.15 ug/L	57142	1,4-Dichlorobenzene-d4	13.56	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-cyclohexyl-	126	C8H14O	000823-76-7	35
2	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	30
3	Pentan-2-yl (E)-2-methylbut-2-en...	170	C10H18O2	1000373-74-2	27
4	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	25
5	3-Hexene, 2,2-dimethyl-, (Z)-	112	C8H16	000690-92-6	22



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
F9F75

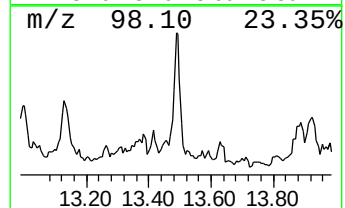
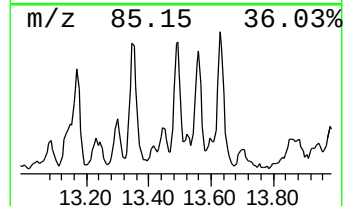
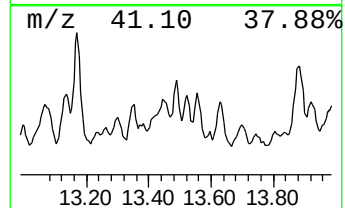
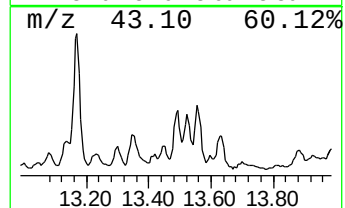
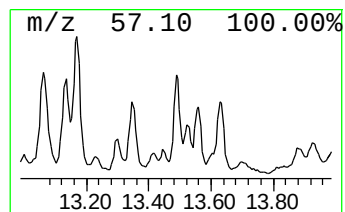
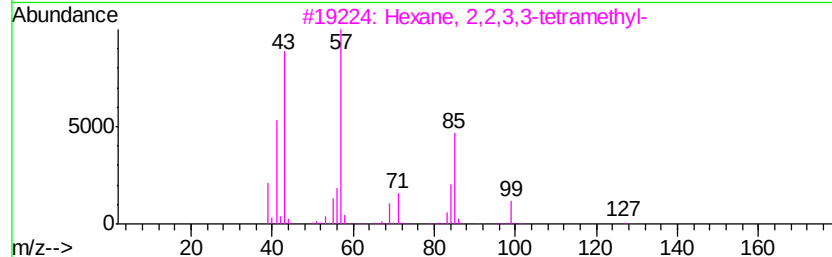
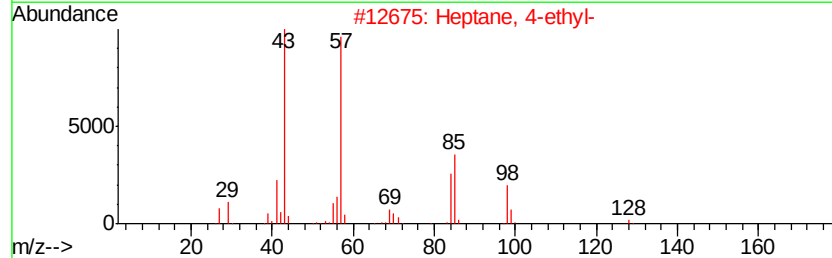
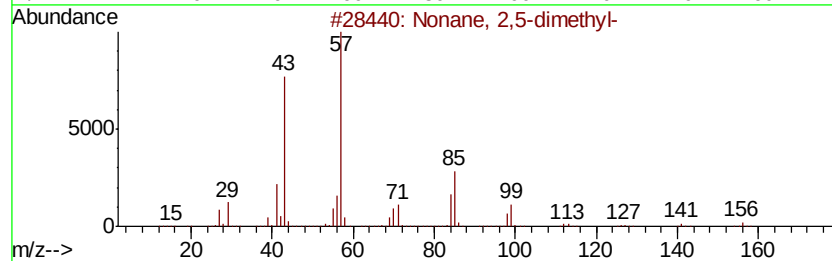
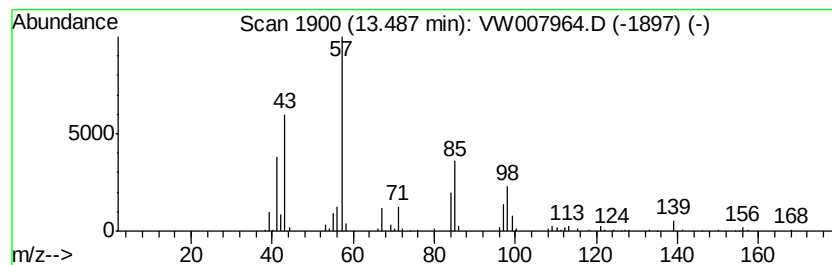
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Quant Title : VOC Analysis

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

Peak Number 51 (DEL) Alkane: Straight-Chai... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	5.66 ug/L	77886	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane, 2,5-dimethyl-	156	C11H24	017302-27-1	49
2			Heptane, 4-ethyl-	128	C9H20	002216-32-2	47
3			Hexane, 2,2,3,3-tetramethyl-	142	C10H22	013475-81-5	47
4			Decane, 5-methyl-	156	C11H24	013151-35-4	46
5			Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
F9F75

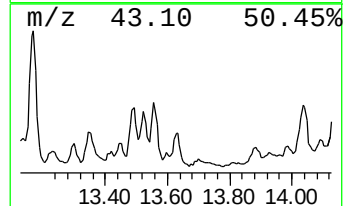
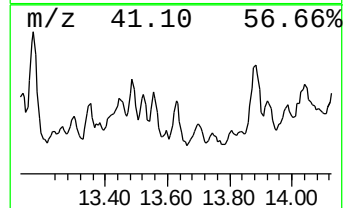
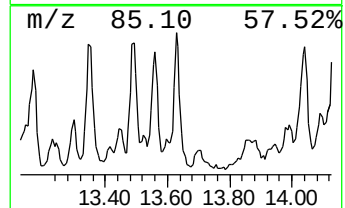
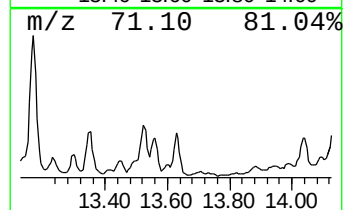
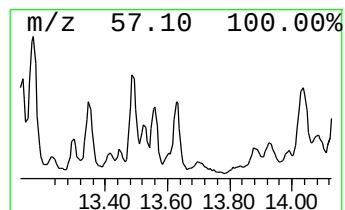
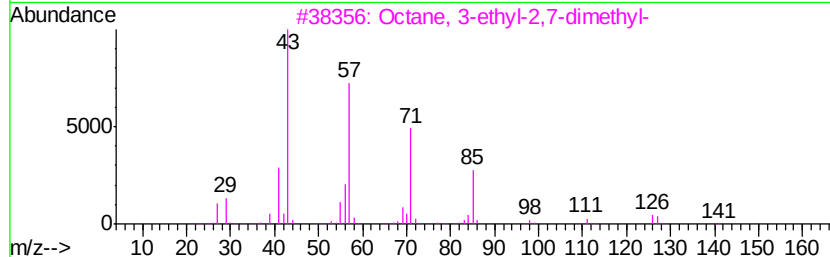
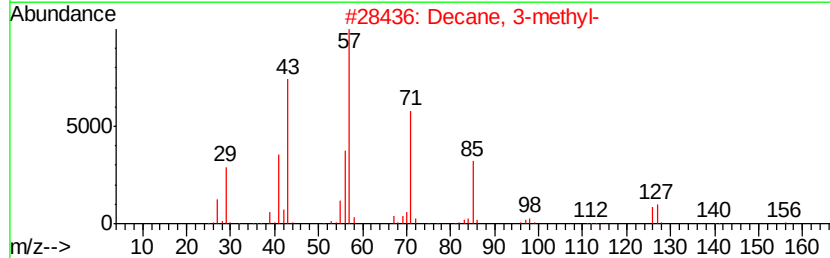
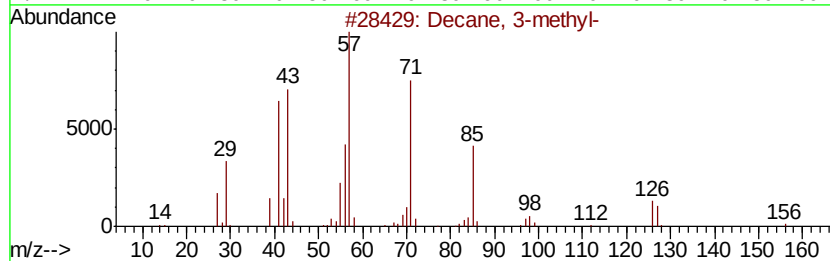
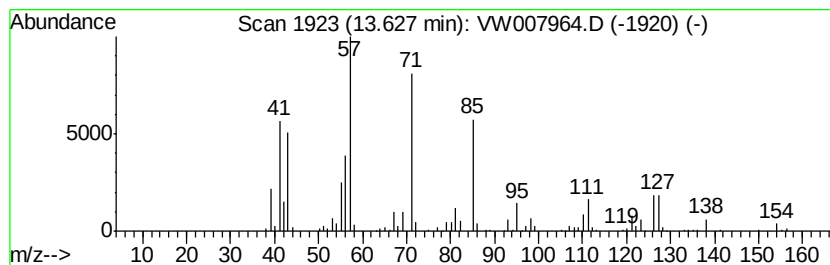
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Quant Title : VOC Analysis

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

Peak Number 52 (DEL) Alkane: Straight-Chai... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.63	6.90 ug/L	94926	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 3-methyl-	156	C11H24	013151-34-3	90
2			Decane, 3-methyl-	156	C11H24	013151-34-3	90
3			Octane, 3-ethyl-2,7-dimethyl-	170	C12H26	062183-55-5	64
4			Octane, 5-ethyl-2-methyl-	156	C11H24	062016-18-6	59
5			Undecane, 2-methyl-	170	C12H26	007045-71-8	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
F9F75

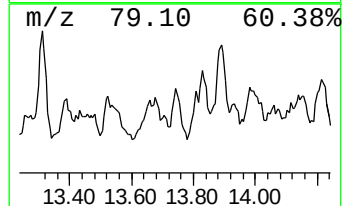
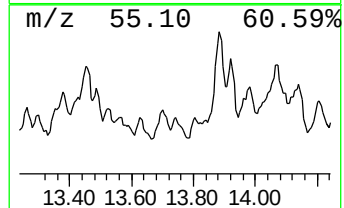
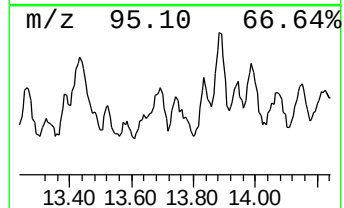
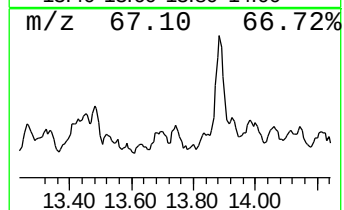
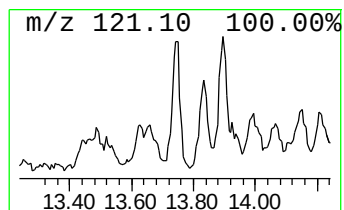
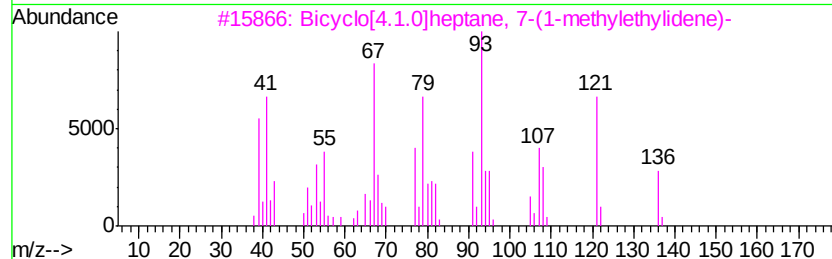
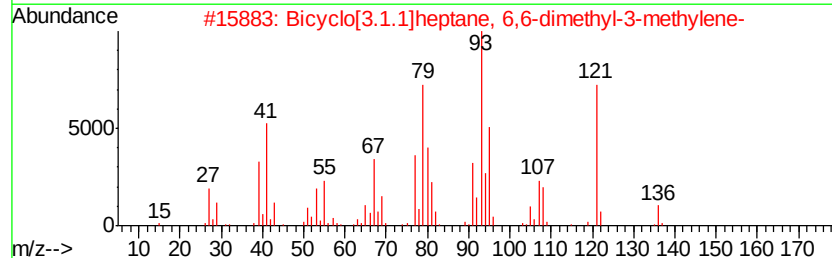
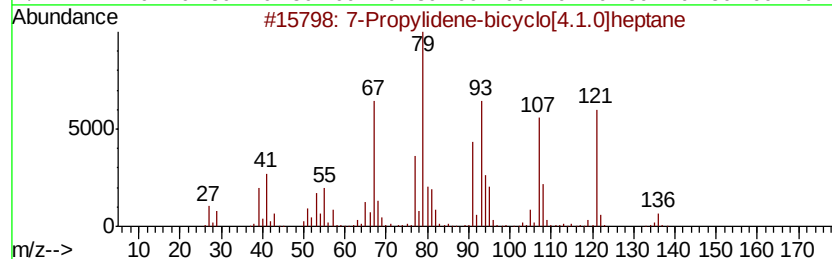
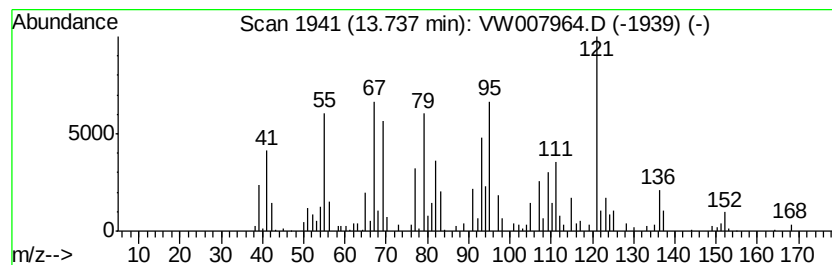
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Quant Title : VOC Analysis

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

Peak Number 53 7-Propylidene-bicyclo[4.1.0... Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.74	4.20 ug/L	57764	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	7-Propylidene-bicyclo[4.1.0]heptane	136	C10H16	082253-09-6	70
2		Bicyclo[3.1.1]heptane, 6,6-dimet...	136	C10H16	016022-04-1	49
3		Bicyclo[4.1.0]heptane, 7-(1-meth...	136	C10H16	053282-47-6	30
4		3-Hydroxybenzhydrazide	152	C7H8N2O2	005818-06-4	30
5		Phenol, 2,3,5-trimethyl-	136	C9H12O	000697-82-5	27



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9F75

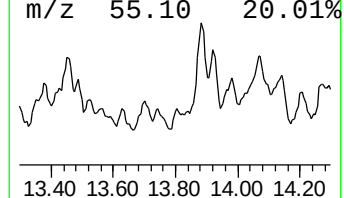
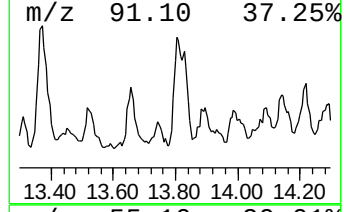
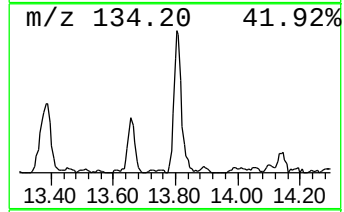
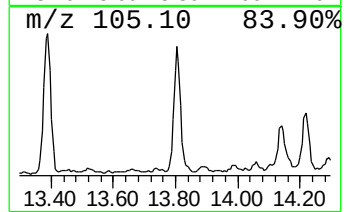
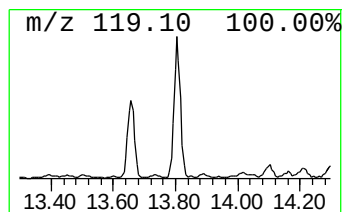
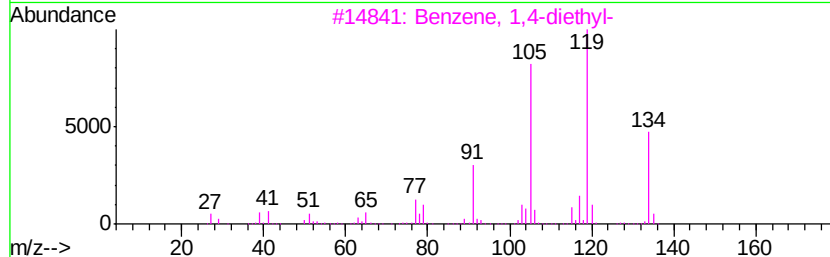
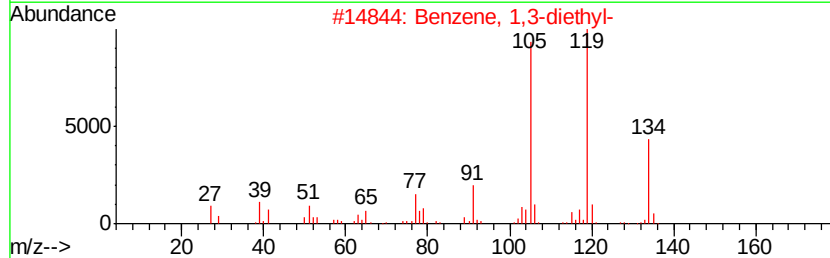
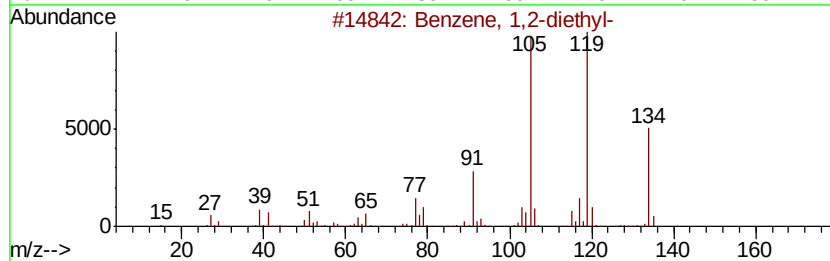
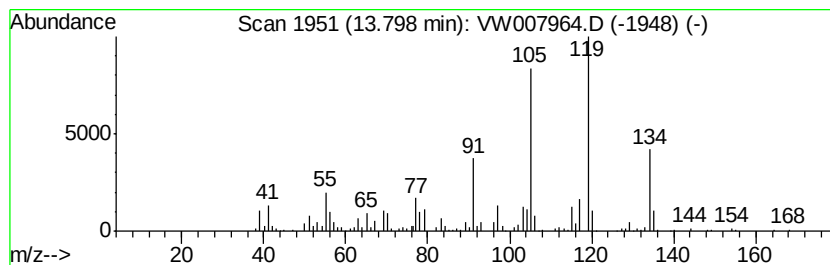
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Quant Title : VOC Analysis

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

Peak Number 54 Benzene, 1,2-diethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.80	9.93 ug/L	136616	1,4-Dichlorobenzene-d4	13.56

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9F75

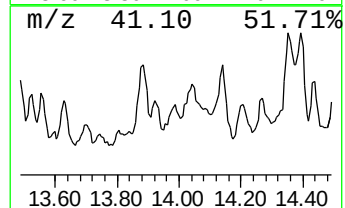
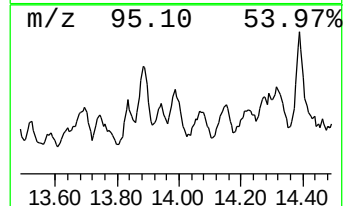
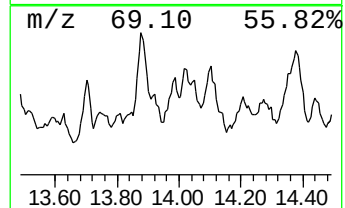
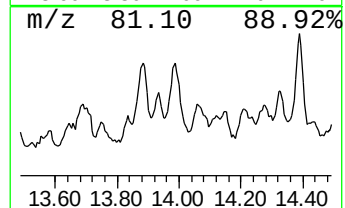
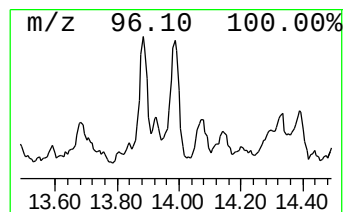
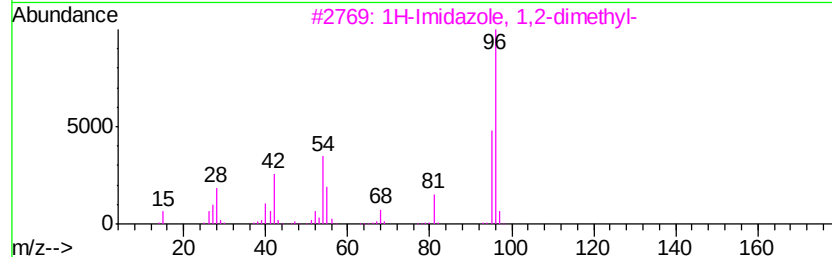
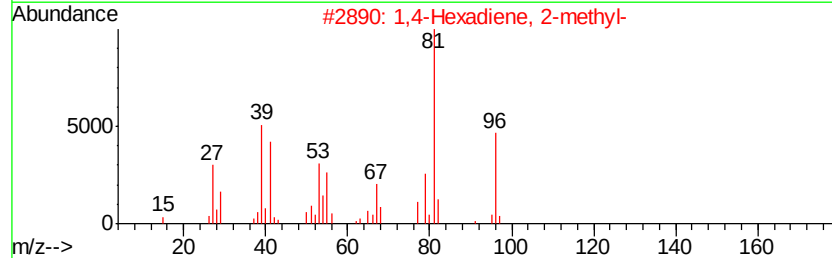
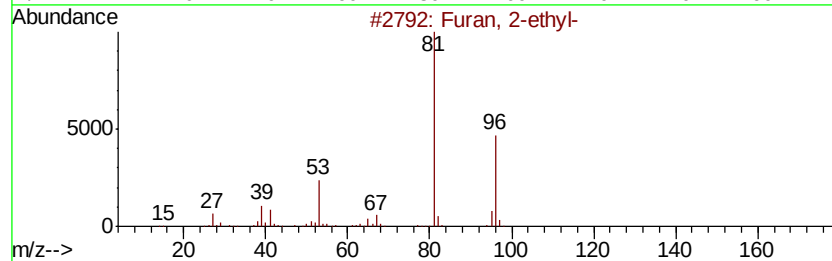
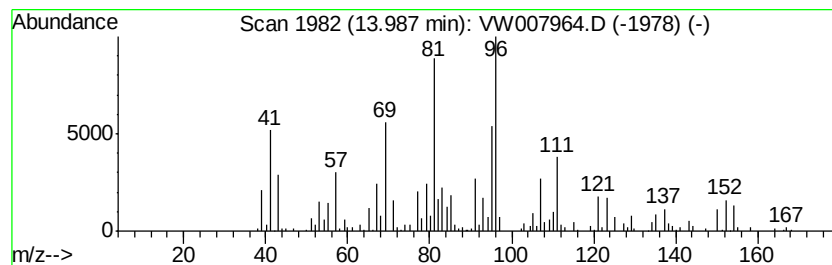
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Quant Title : VOC Analysis

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

Peak Number 55 unknown-07 Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.99	6.83 ug/L	93964	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Furan, 2-ethyl-	96	C6H8O	003208-16-0	46
2			1,4-Hexadiene, 2-methyl-	96	C7H12	001119-14-8	43
3			1H-Imidazole, 1,2-dimethyl-	96	C5H8N2	001739-84-0	38
4			4a(2H)-Naphthalenemethanol, octa...	168	C11H20O	099992-19-5	35
5			1H-Imidazole, 1,2-dimethyl-	96	C5H8N2	001739-84-0	27



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9F75

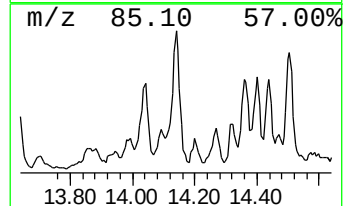
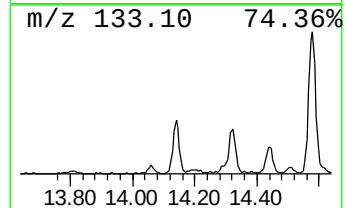
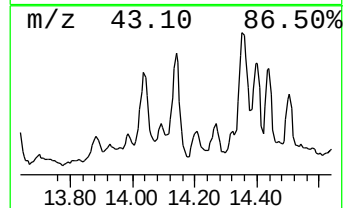
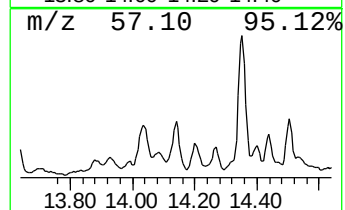
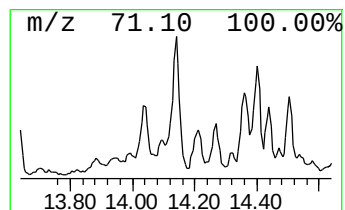
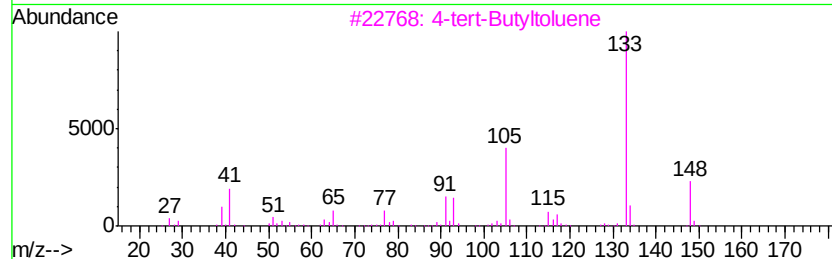
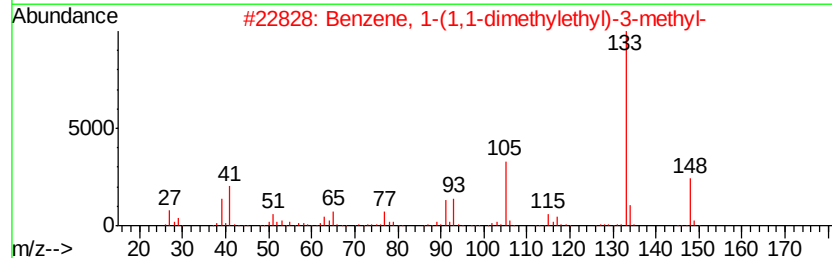
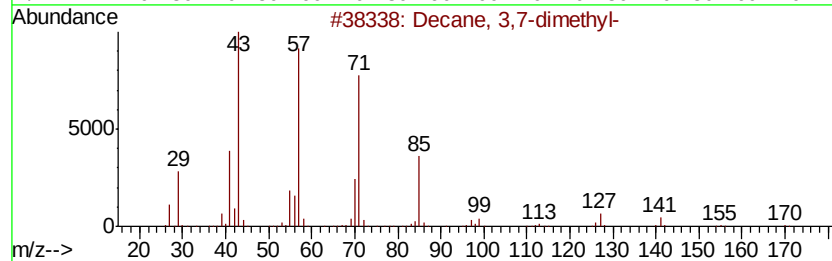
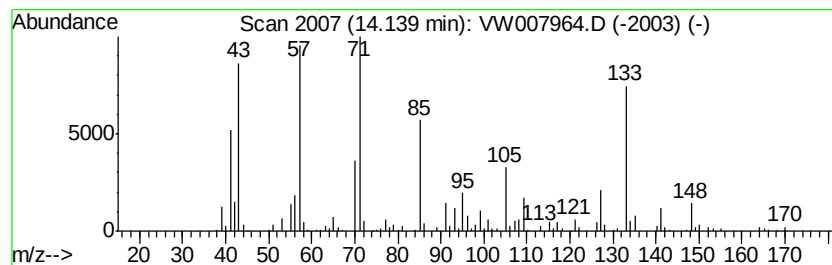
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Quant Title : VOC Analysis

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

Peak Number 56 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.14	18.71 ug/L	257319	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	87
2		Benzene, 1-(1,1-dimethylethyl)-3...	148	C11H16	001075-38-3	47
3		4-tert-Butyltoluene	148	C11H16	000098-51-1	38
4		Nonane, 5-methyl-5-propyl-	184	C13H28	017312-75-3	38
5		Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9F75

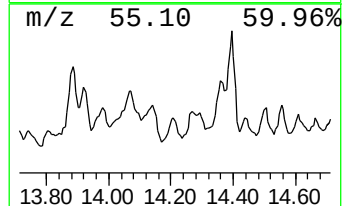
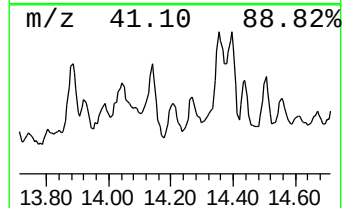
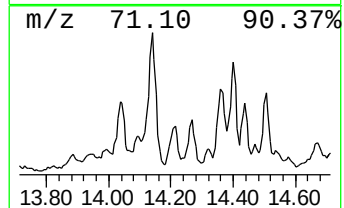
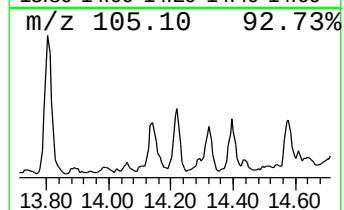
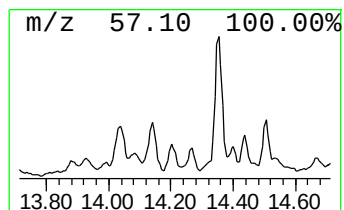
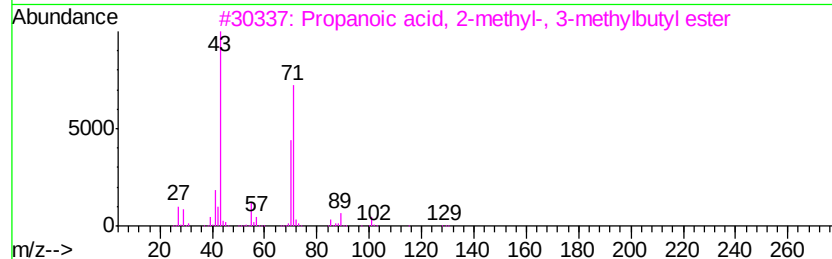
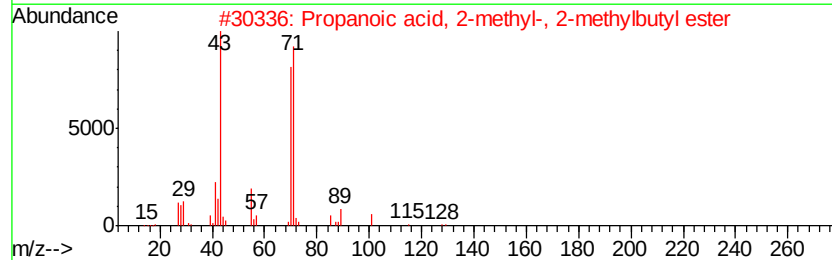
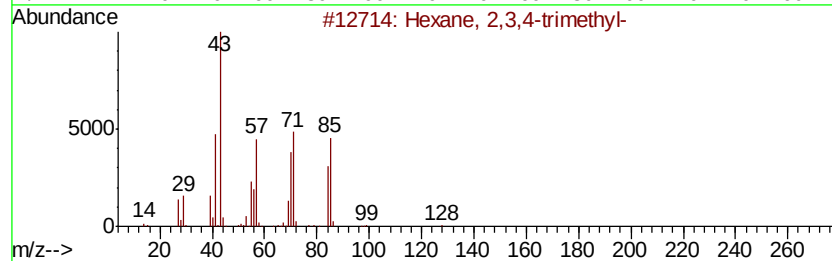
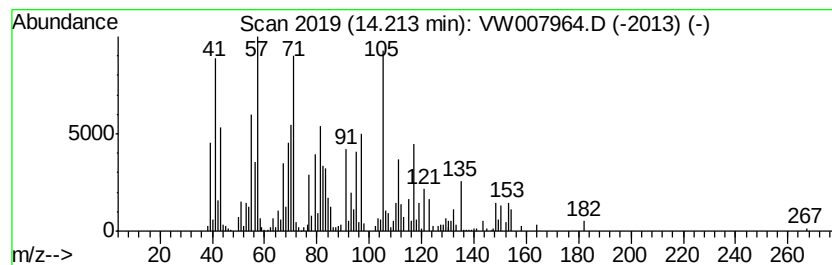
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Quant Title : VOC Analysis

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

Peak Number 57 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	13.04 ug/L	179326	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	25
2		Propanoic acid, 2-methyl-, 2-met...	158	C9H18O2	002445-69-4	22
3		Propanoic acid, 2-methyl-, 3-met...	158	C9H18O2	002050-01-3	22
4		3-t-Pentylcyclopentanone	154	C10H18O	1000114-66-3	14
5		Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	14



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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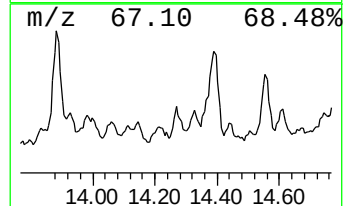
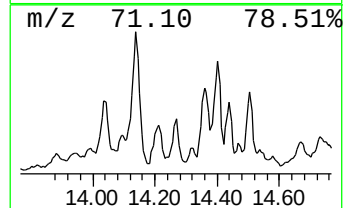
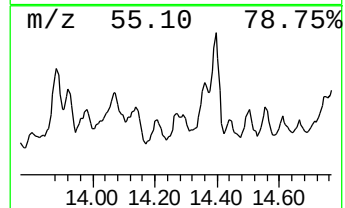
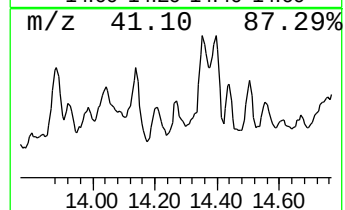
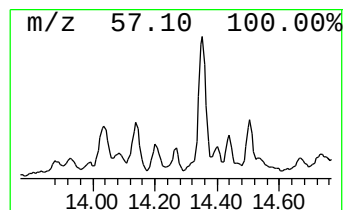
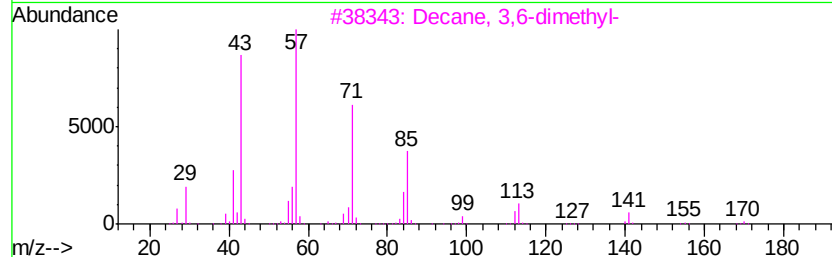
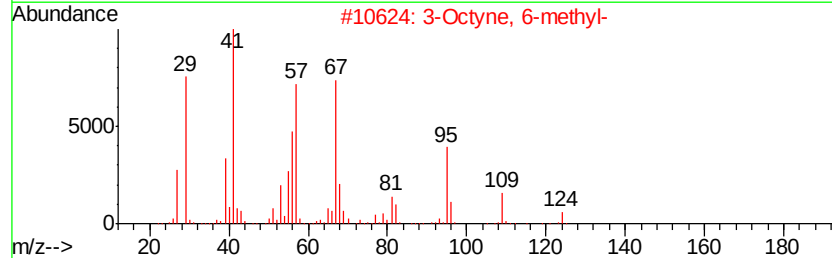
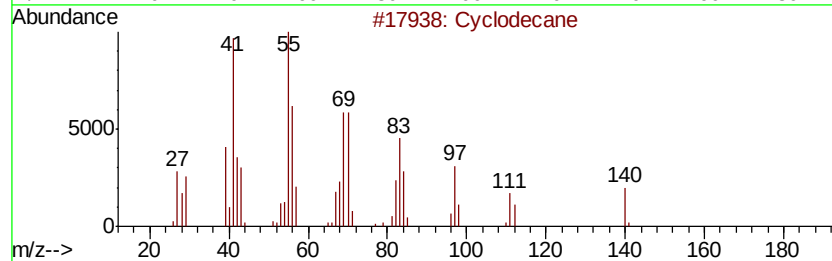
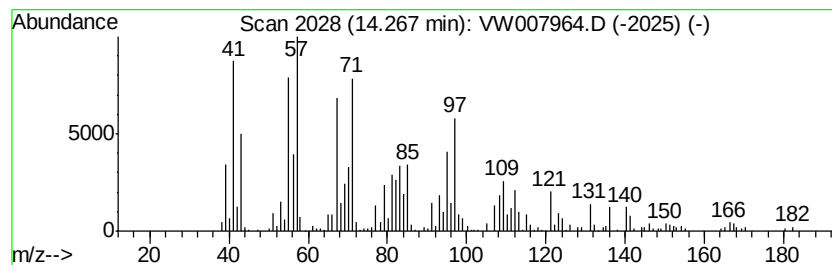
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Quant Title : VOC Analysis

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

Peak Number 58 (DEL) Alkane: Cyclic14.27 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.27	10.01 ug/L	137761	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclodecane	140	C10H20	000293-96-9	44
2		3-Octyne, 6-methyl-	124	C9H16	062108-34-3	42
3		Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	42
4		Cyclohexanol, 5-methyl-2-(1-meth...	154	C10H18O	007786-67-6	25
5		Cyclodecane	140	C10H20	000293-96-9	25



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9F75

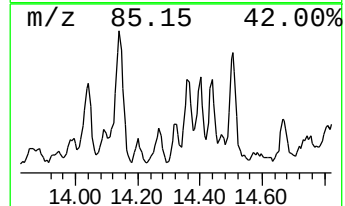
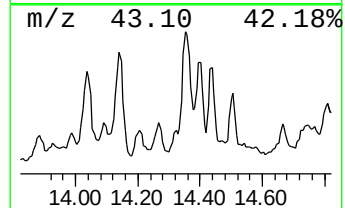
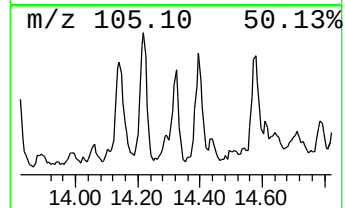
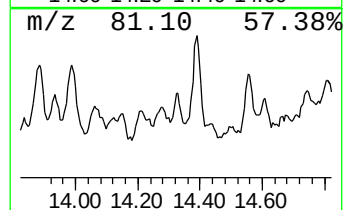
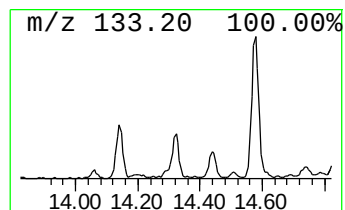
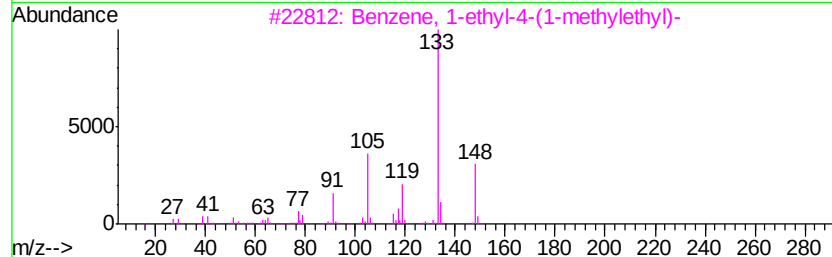
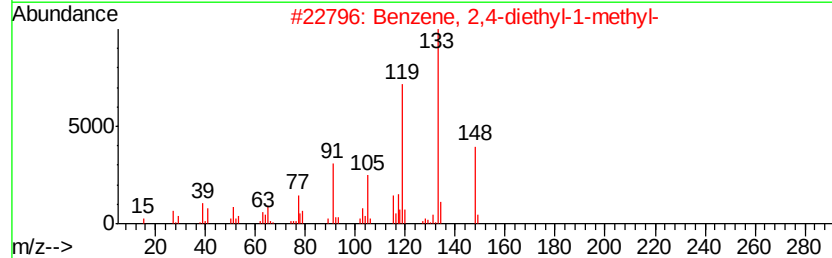
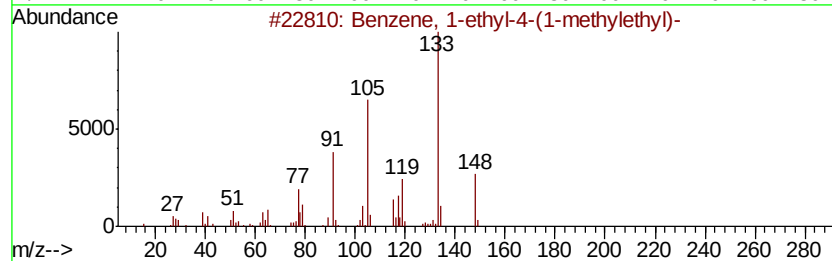
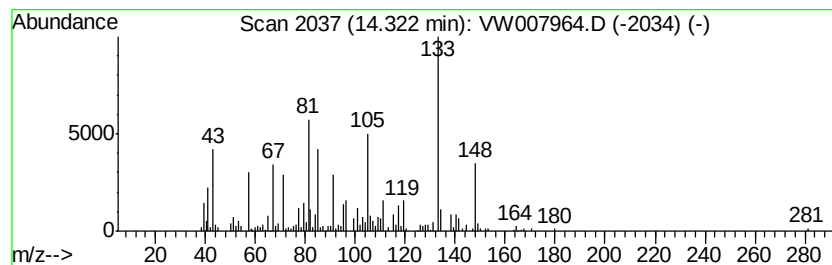
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Quant Title : VOC Analysis

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

Peak Number 59 Benzene, 1-ethyl-4-(1-methy... Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.32	4.16 ug/L	57268	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	78
2		Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	55
3		Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	55
4		Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	55
5		Ethanone, 1-(2,4-dimethylphenyl)-	148	C10H12O	000089-74-7	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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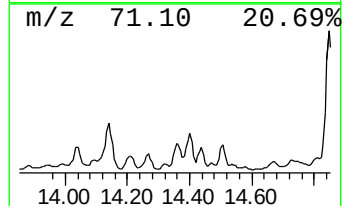
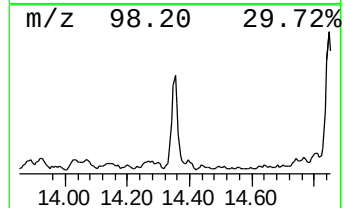
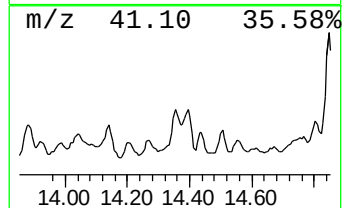
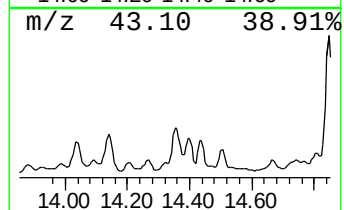
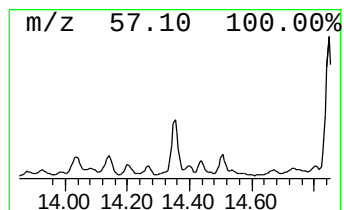
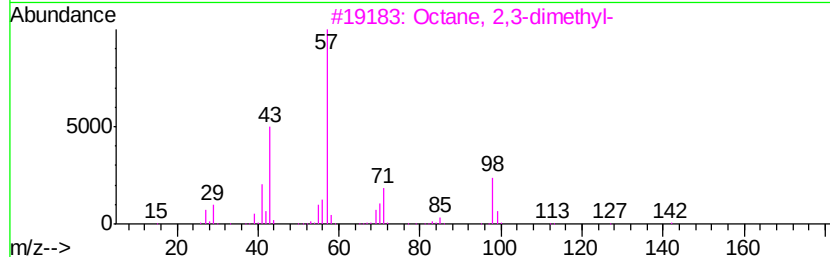
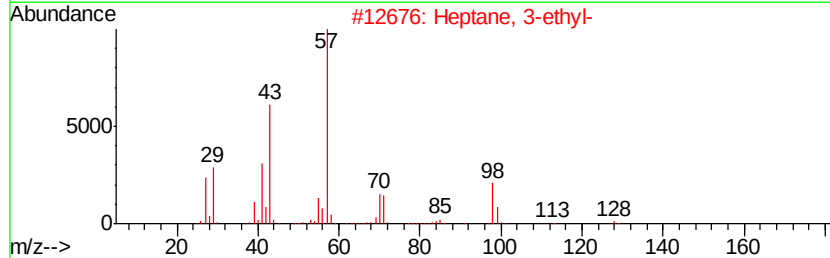
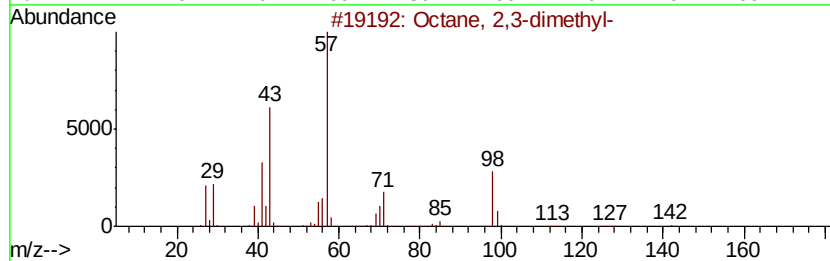
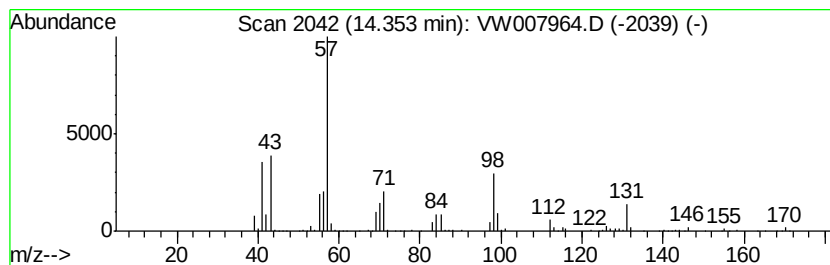
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Quant Title : VOC Analysis

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

Peak Number 60 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.35	19.42 ug/L	267117	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	53
2		Heptane, 3-ethyl-	128	C9H20	015869-80-4	50
3		Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	49
4		Octane, 4,5-dipropyl-	198	C14H30	020905-05-9	47
5		Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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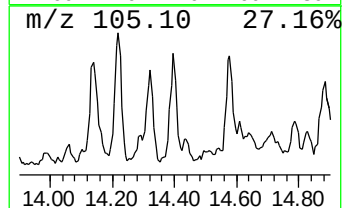
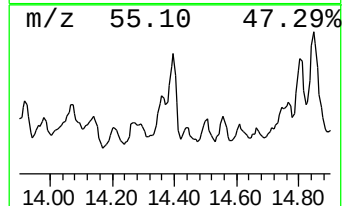
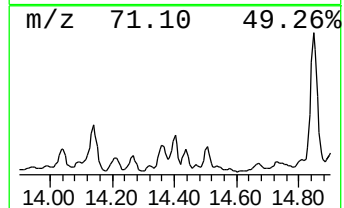
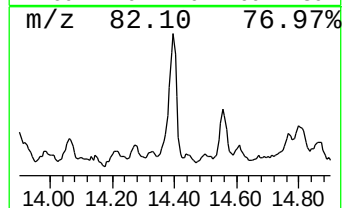
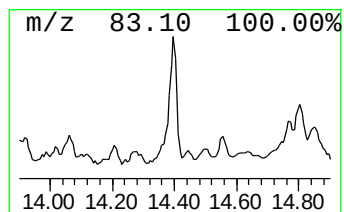
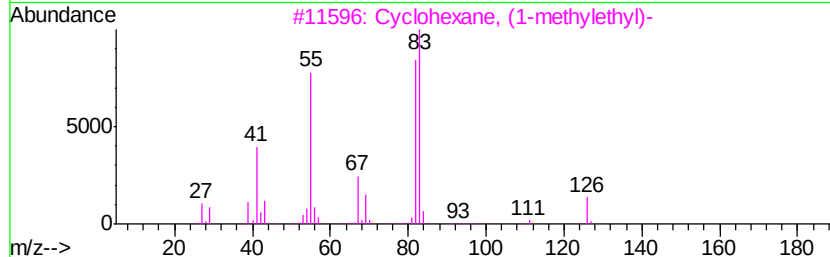
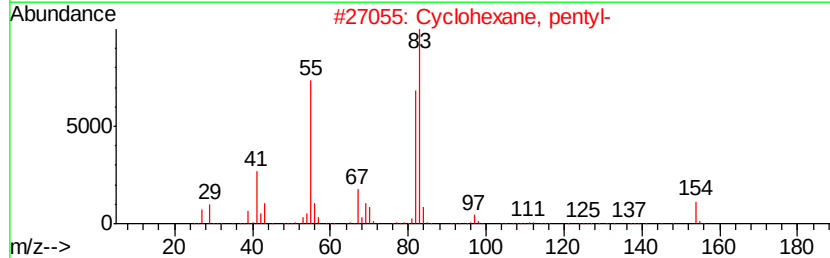
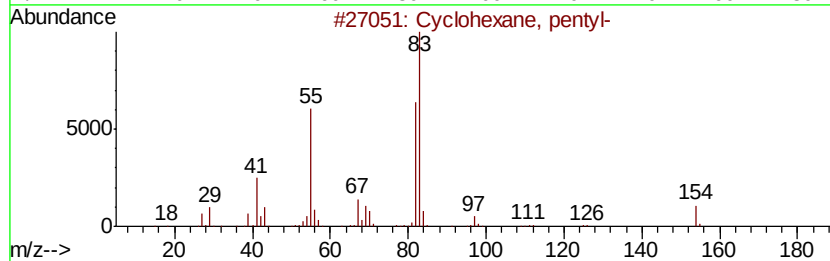
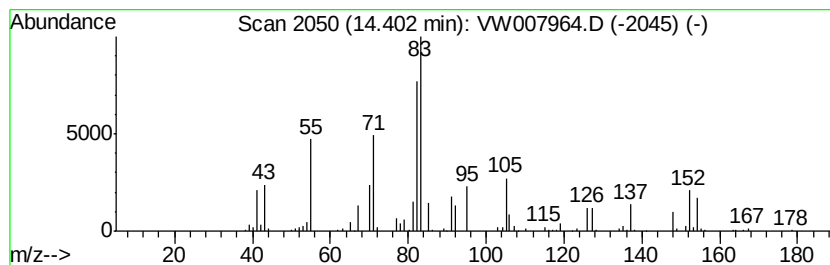
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Quant Title : VOC Analysis

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

Peak Number 61 (DEL) Alkane: Cyclic14.40 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.40	23.83 ug/L	327861	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, pentyl-	154	C11H22	004292-92-6	49
2		Cyclohexane, pentyl-	154	C11H22	004292-92-6	47
3		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	43
4		Cyclohexane, propyl-	126	C9H18	001678-92-8	43
5		Cyclohexane, pentyl-	154	C11H22	004292-92-6	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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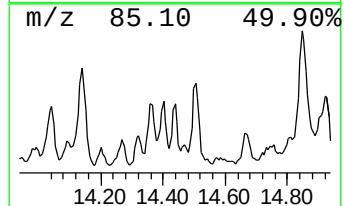
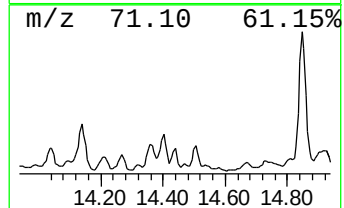
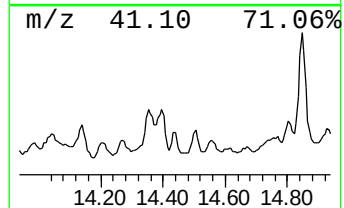
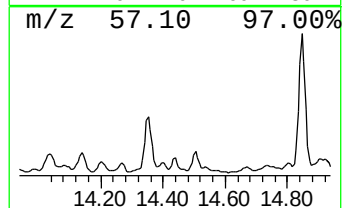
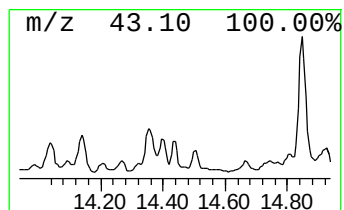
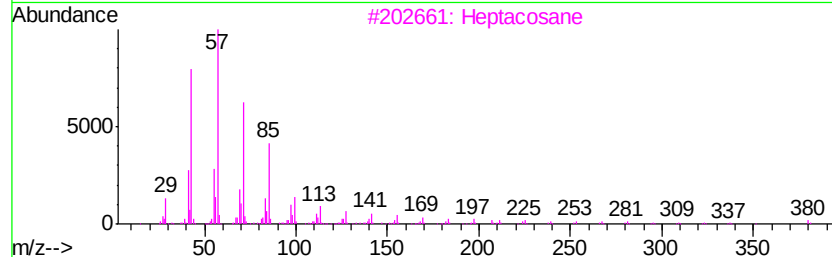
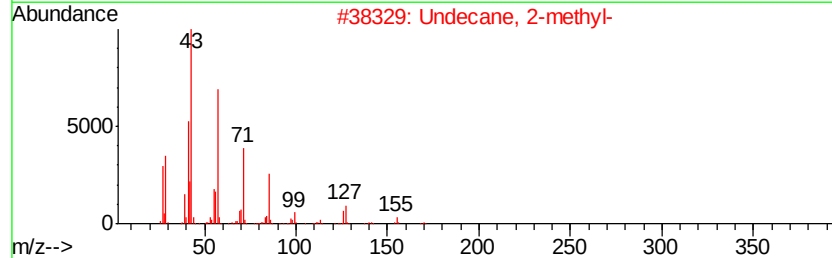
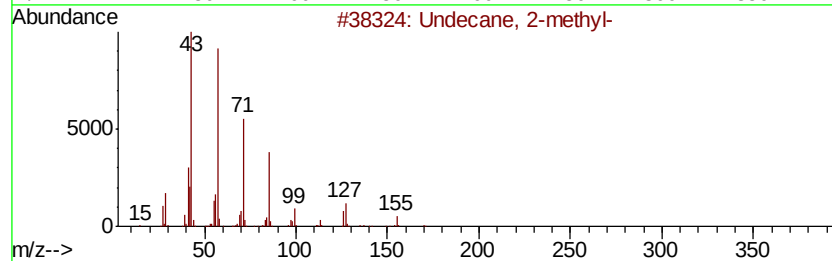
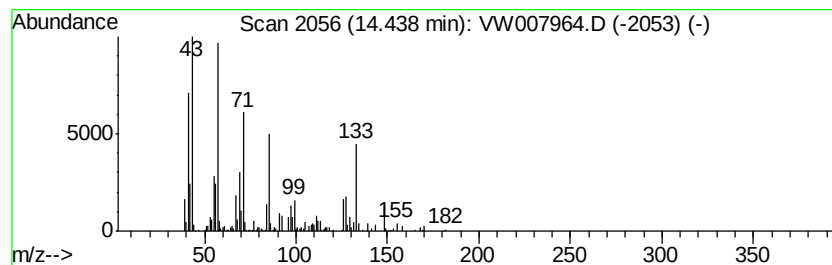
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Quant Title : VOC Analysis

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

Peak Number 62 (DEL) Alkane: Straight-Chai... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.44	6.60 ug/L	90854	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 2-methyl-	170	C12H26	007045-71-8	64
2			Undecane, 2-methyl-	170	C12H26	007045-71-8	52
3			Heptacosane	380	C27H56	000593-49-7	52
4			Tritetracontane	605	C43H88	007098-21-7	52
5			Undecane, 2-methyl-	170	C12H26	007045-71-8	52



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9F75

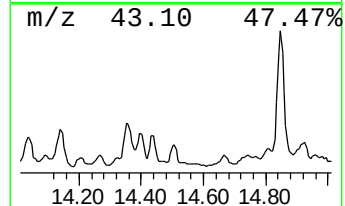
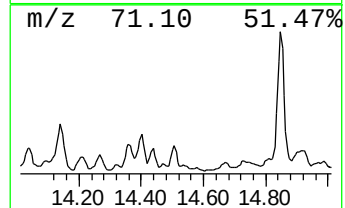
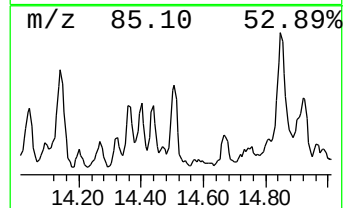
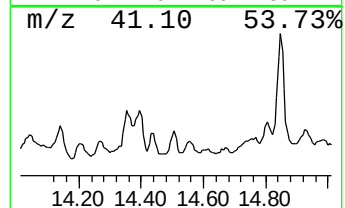
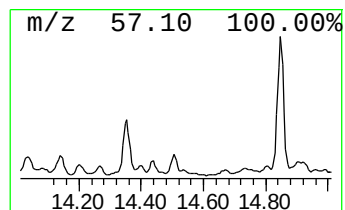
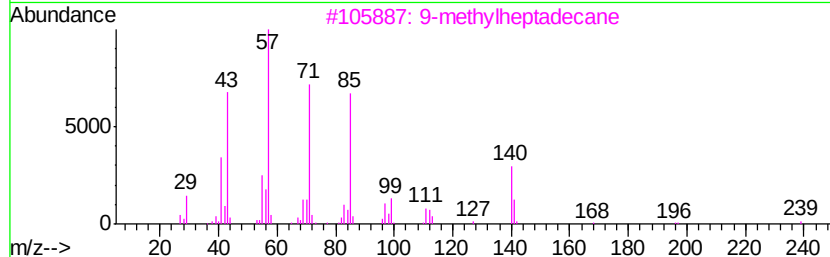
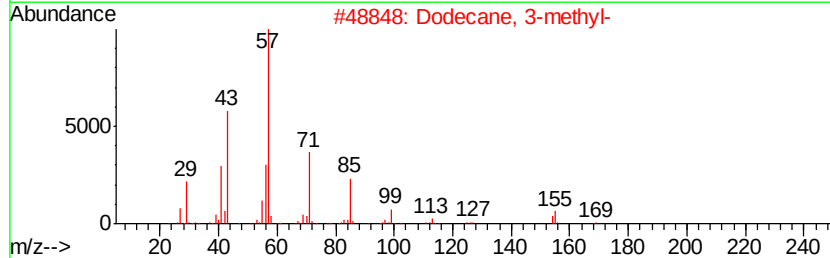
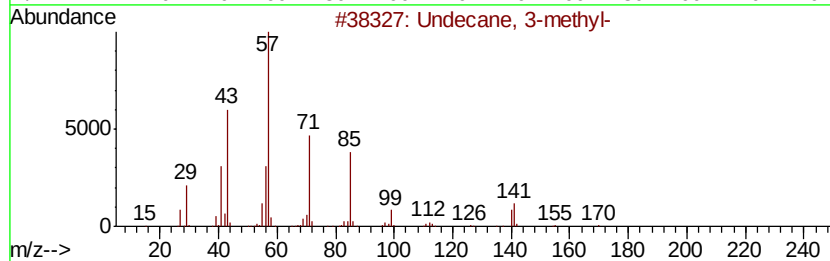
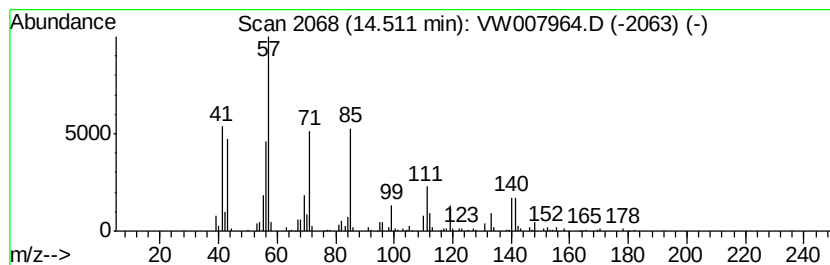
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Quant Title : VOC Analysis

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

Peak Number 63 (DEL) Alkane: Straight-Chai... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.51	7.52 ug/L	103429	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 3-methyl-	170	C12H26	001002-43-3	76
2		Dodecane, 3-methyl-	184	C13H28	017312-57-1	59
3		9-methylheptadecane	254	C18H38	026741-18-4	58
4		Sulfurous acid, butyl dodecyl ester	306	C16H34O3S	1000309-17-9	50
5		Tridecane, 2,5-dimethyl-	212	C15H32	056292-66-1	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

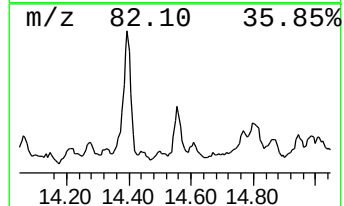
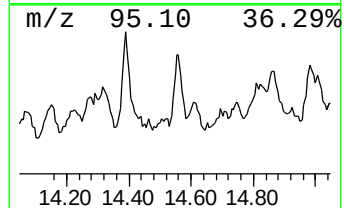
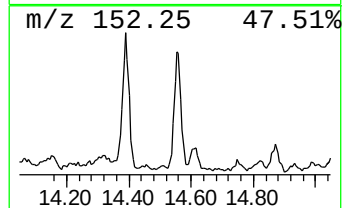
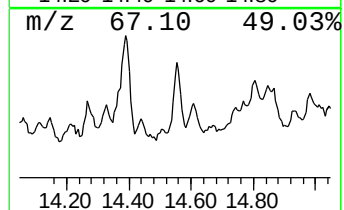
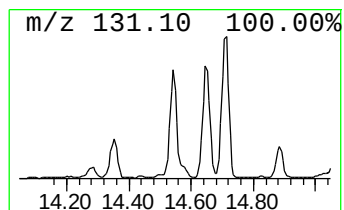
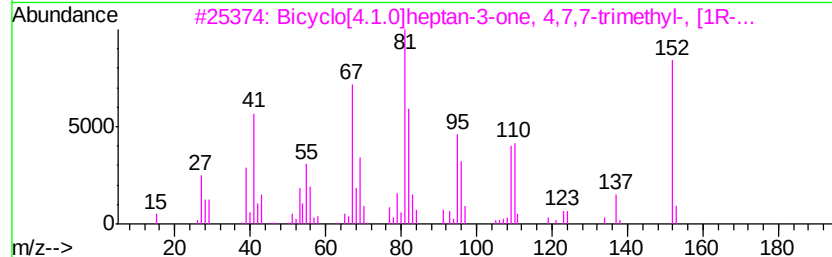
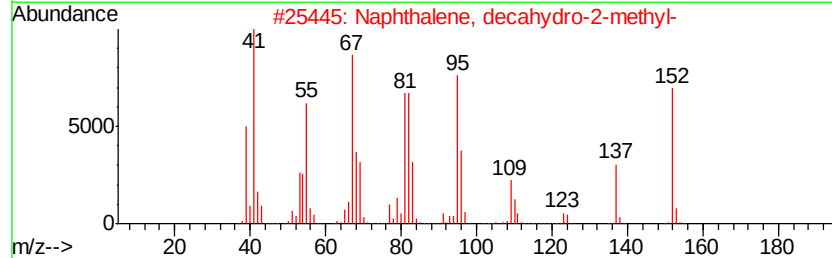
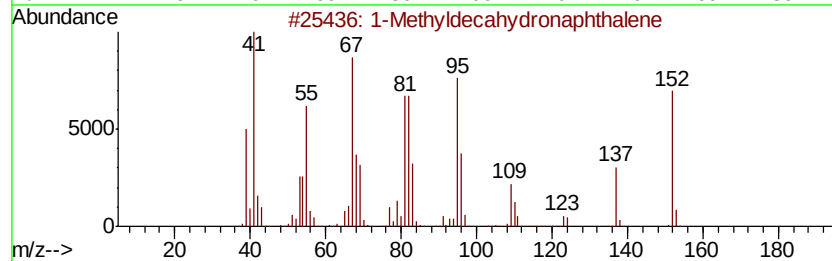
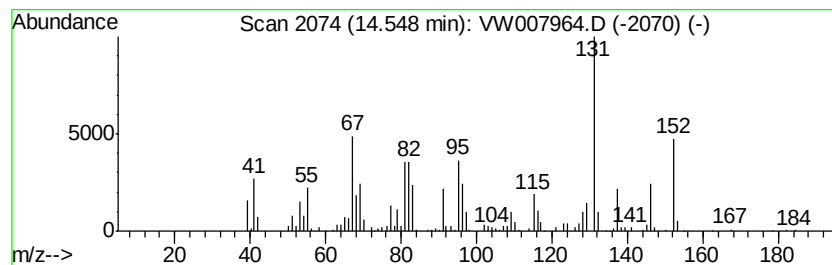
Instrument :
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122618S.M
Quant Title : VOC Analysis

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

Peak Number 64 1-Methyldecahydronaphthalene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.55	18.08 ug/L	248778	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		1-Methyldecahydronaphthalene	152 C11H20	002958-75-0 96
2		Naphthalene, decahydro-2-methyl-	152 C11H20	002958-76-1 96
3		Bicyclo[4.1.0]heptan-3-one, 4,7,...	152 C10H16O	004176-04-9 53
4		Naphthalene, decahydro-2-methyl-	152 C11H20	002958-76-1 53
5		Cyclohexane, 1-propenyl-	124 C9H16	005364-83-0 46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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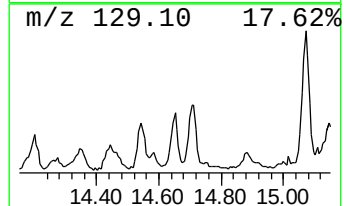
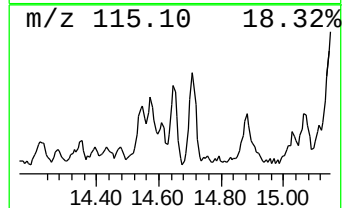
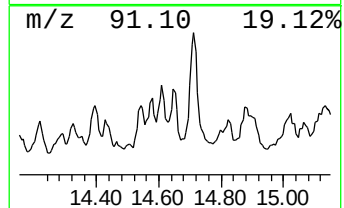
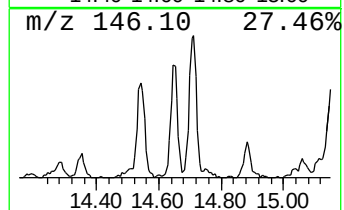
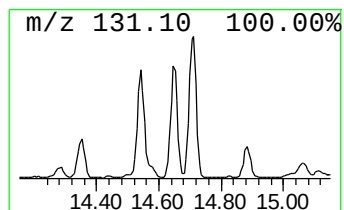
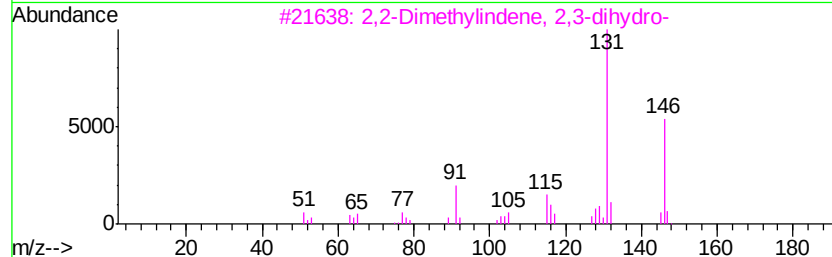
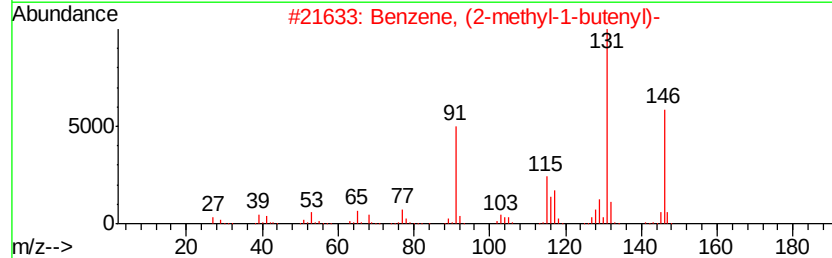
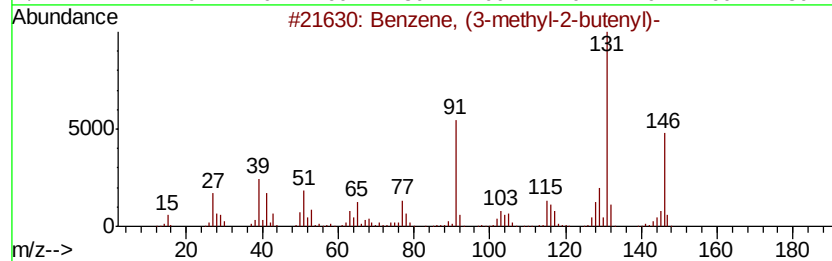
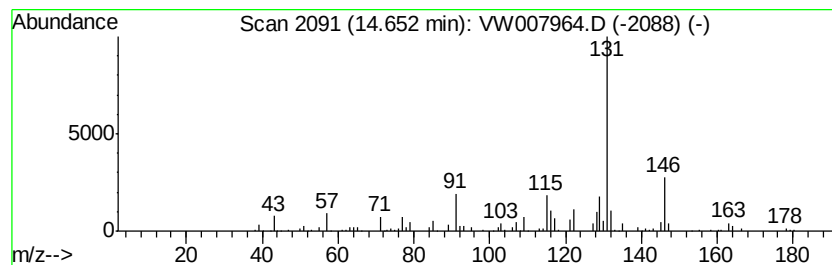
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Quant Title : VOC Analysis

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

Peak Number 65 Benzene, (3-methyl-2-butenyl)- Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.65	5.58 ug/L	76781	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	93
2		Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	93
3		2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	93
4		Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	90
5		Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	87



Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9F75

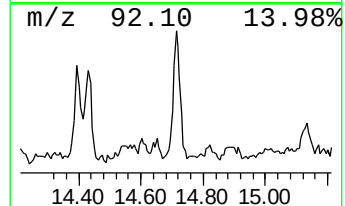
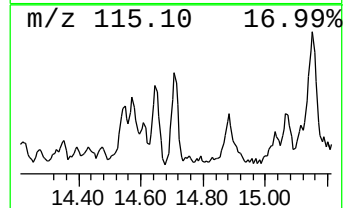
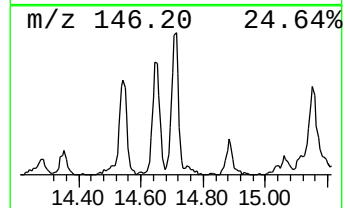
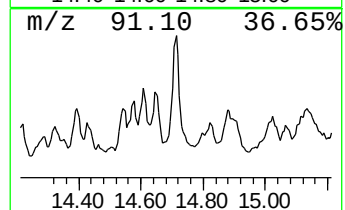
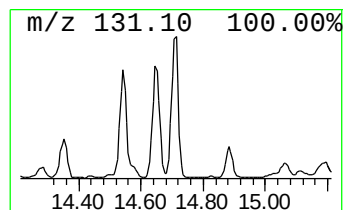
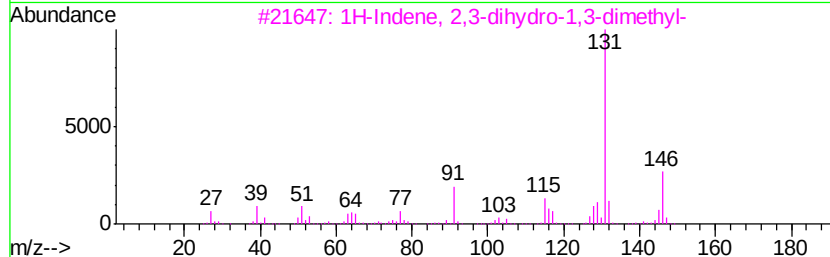
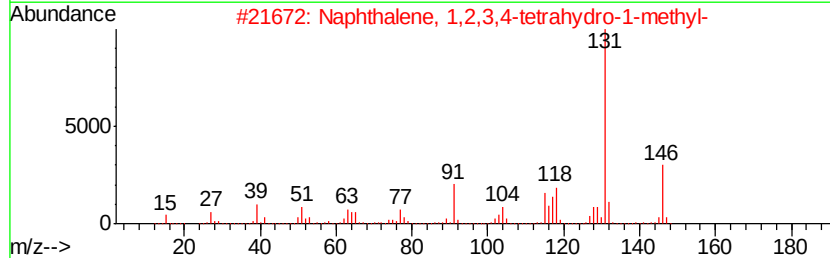
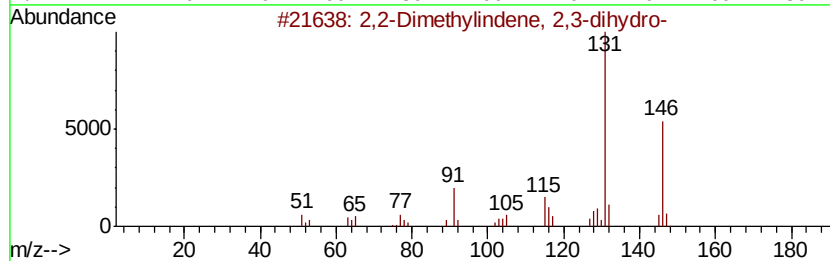
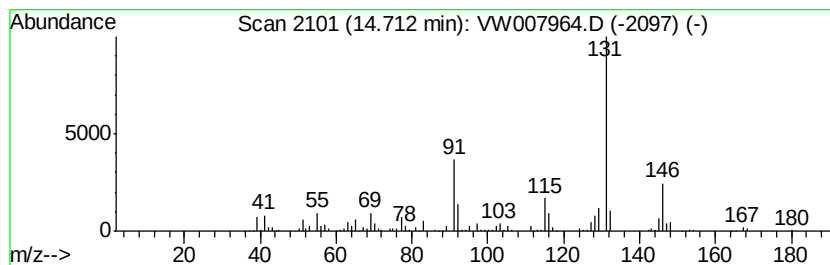
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Quant Title : VOC Analysis

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

Peak Number 66 2,2-Dimethylindene, 2,3-dih... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.71	8.96 ug/L	123313	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	90
2			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	90
3			1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	90
4			Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	90
5			1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9F75

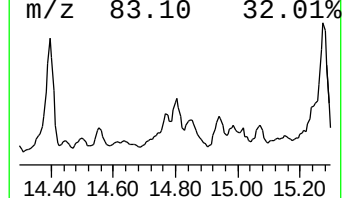
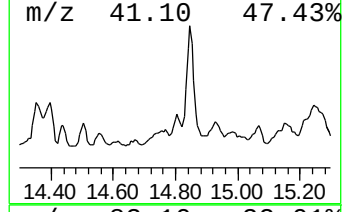
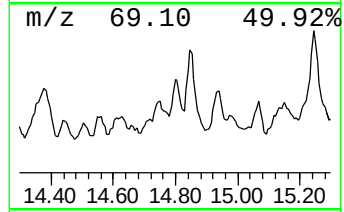
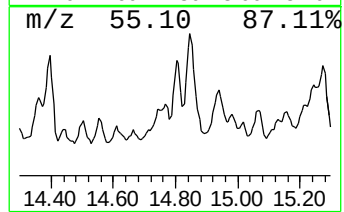
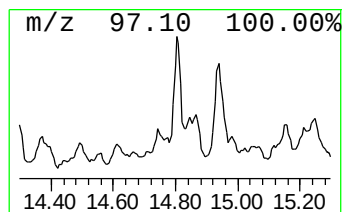
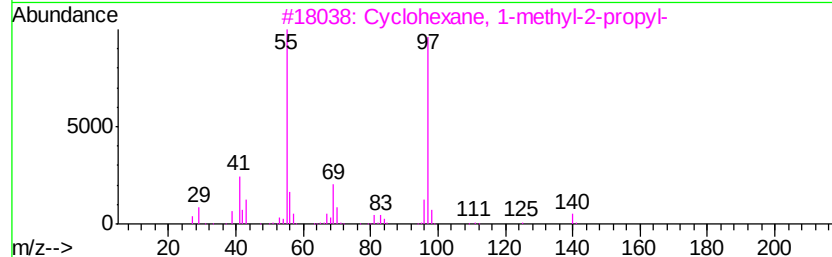
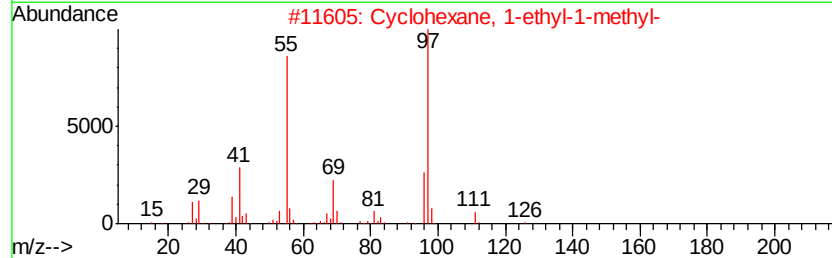
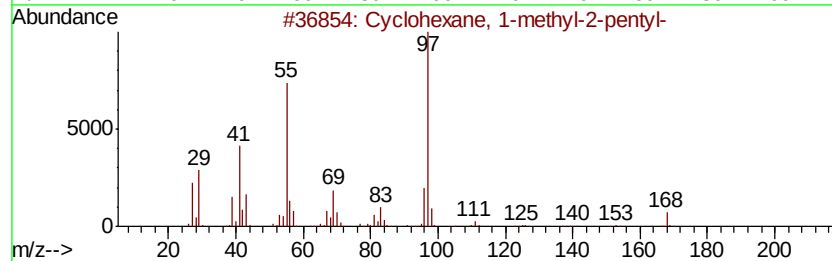
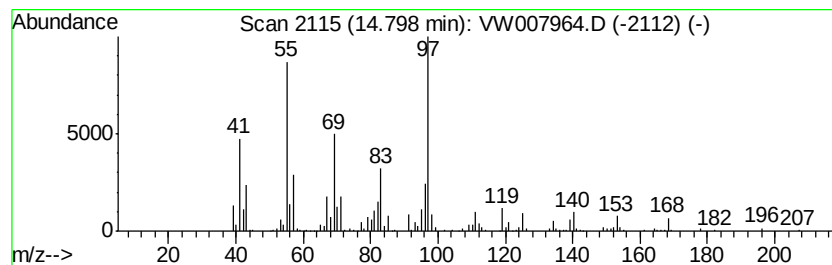
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Quant Title : VOC Analysis

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

Peak Number 67 (DEL) Alkane: Cyclic14.80 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	11.04 ug/L	151846	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-methyl-2-pentyl-	168	C12H24	054411-01-7	64
2		Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	53
3		Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	52
4		Sulfurous acid, cyclohexylmethyl...	402	C23H46O3S	1000309-22-4	50
5		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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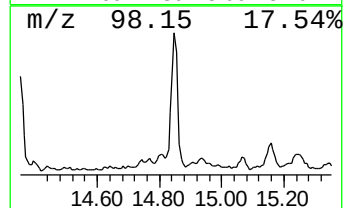
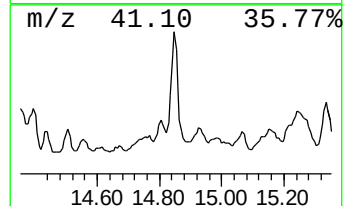
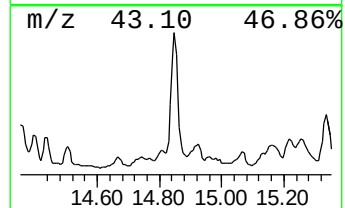
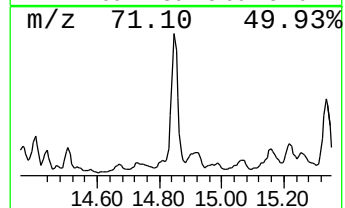
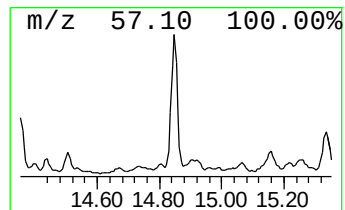
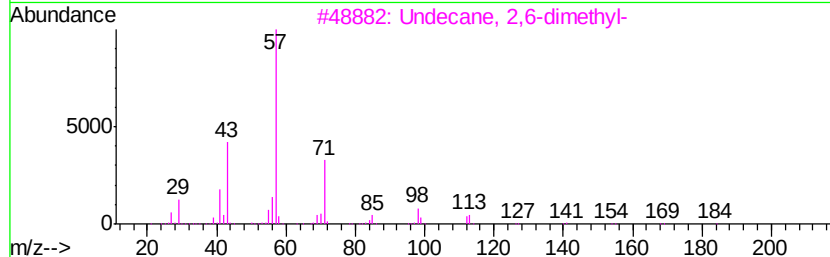
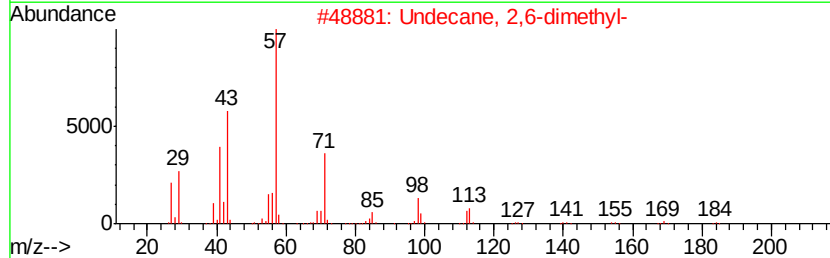
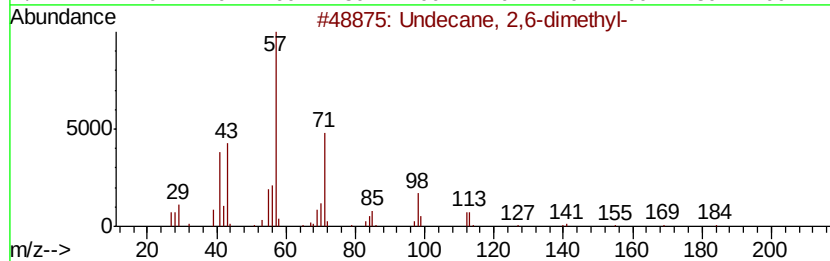
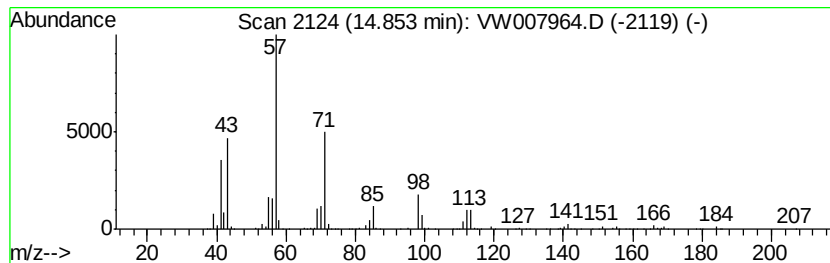
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Quant Title : VOC Analysis

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

Peak Number 68 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	45.30 ug/L	623184	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	96
2		Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	93
3		Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	90
4		Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	87
5		Dodecane, 6-methyl-	184	C13H28	006044-71-9	81



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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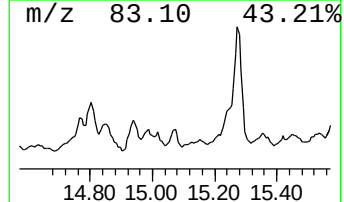
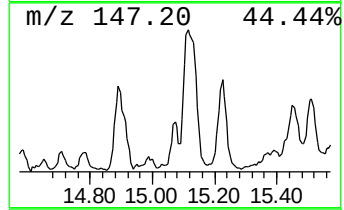
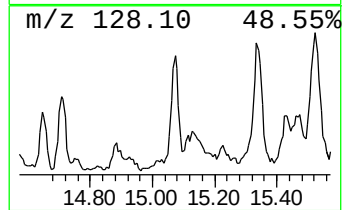
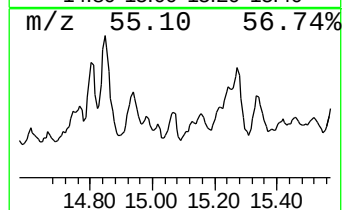
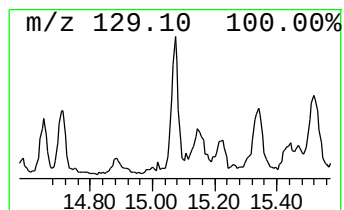
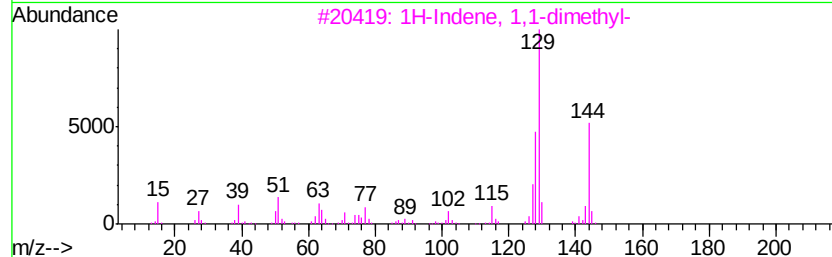
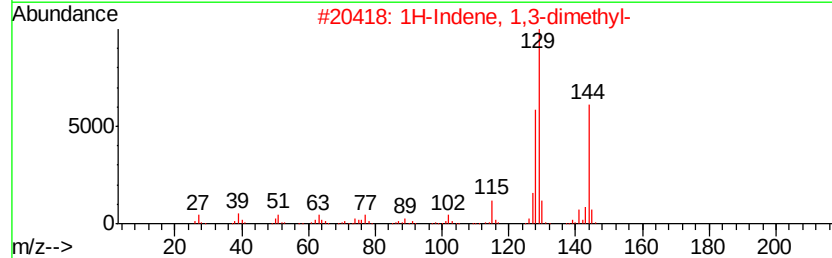
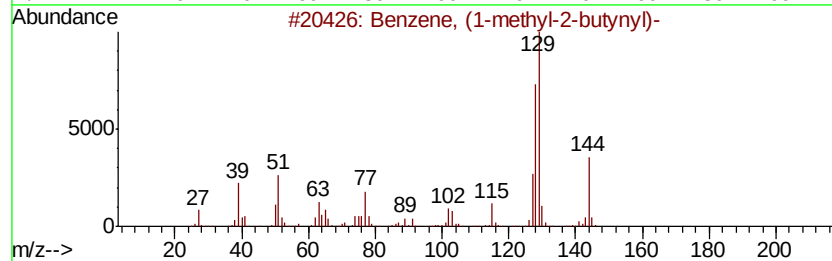
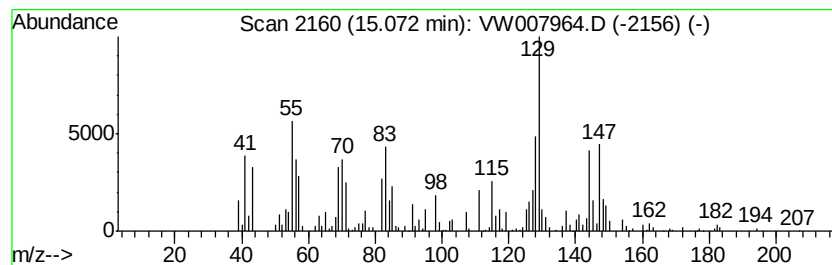
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Quant Title : VOC Analysis

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

Peak Number 69 Benzene, (1-methyl-2-butynyl)- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	11.55 ug/L	158950	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (1-methyl-2-butynyl)-	144	C11H12	087712-69-4	55
2		1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	46
3		1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	46
4		(1-Methylbuta-1,3-dienyl)benzene	144	C11H12	054758-36-0	46
5		Naphthalene, 1,2-dihydro-6-methyl-	144	C11H12	002717-47-7	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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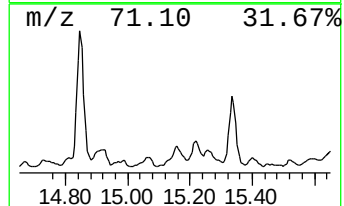
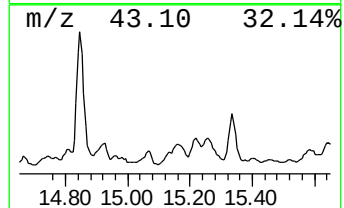
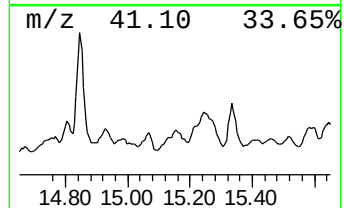
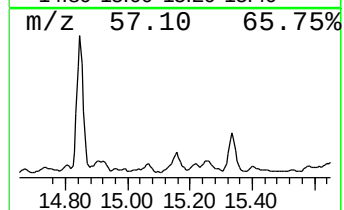
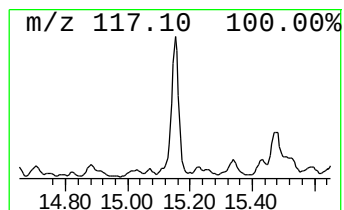
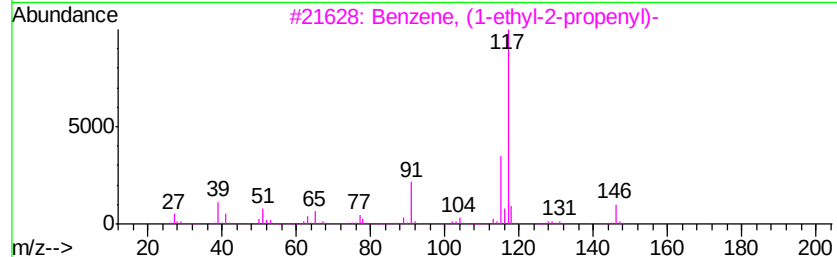
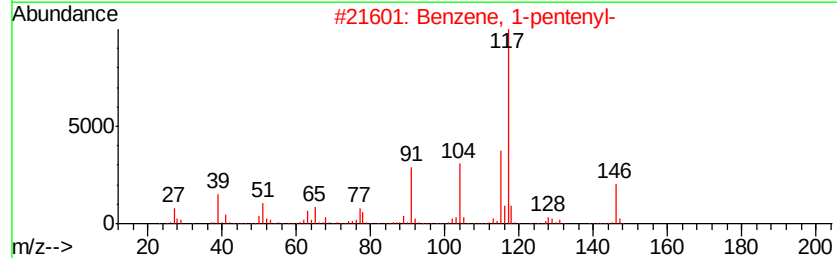
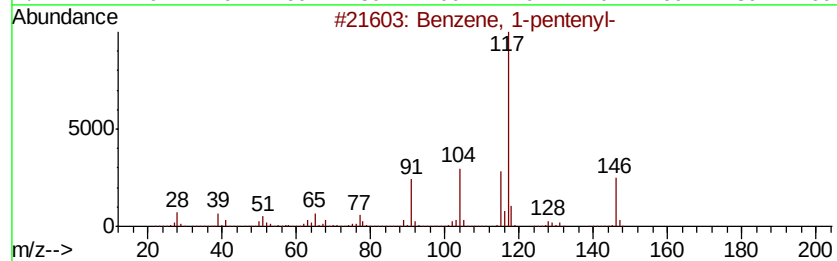
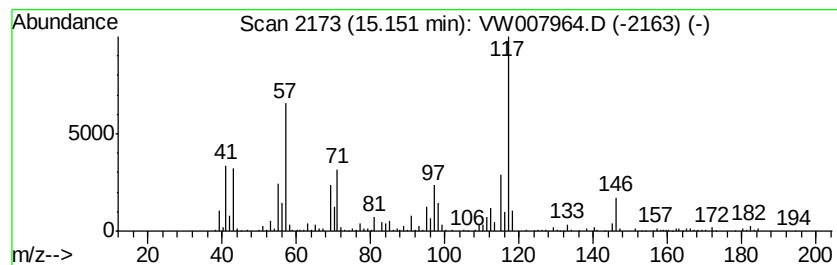
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Quant Title : VOC Analysis

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

Peak Number 70 Benzene, 1-pentenyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.15	33.78 ug/L	464710	1,4-Dichlorobenzene-d4	13.56

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, 1-pentenyl-	146	C11H14	000826-18-6	52
2		Benzene, 1-pentenyl-	146	C11H14	000826-18-6	50
3		Benzene, (1-ethyl-2-propenyl)-	146	C11H14	019947-22-9	50
4		1H-Indene, 1-ethyl-2,3-dihydro-	146	C11H14	004830-99-3	49
5		Morpholine, 4-((2-phenylcyclopro...	267	C13H17N03S	017299-25-1	40



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

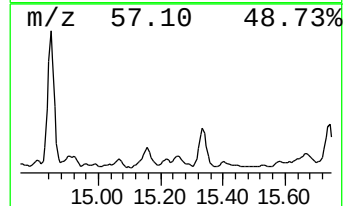
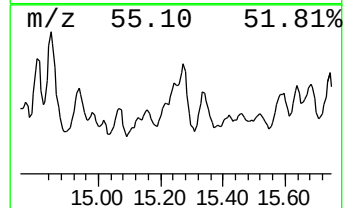
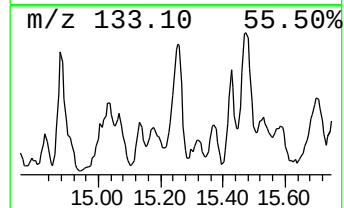
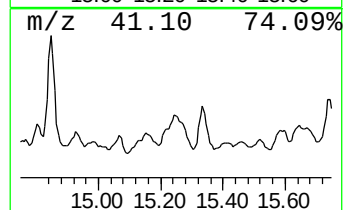
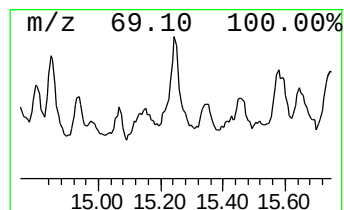
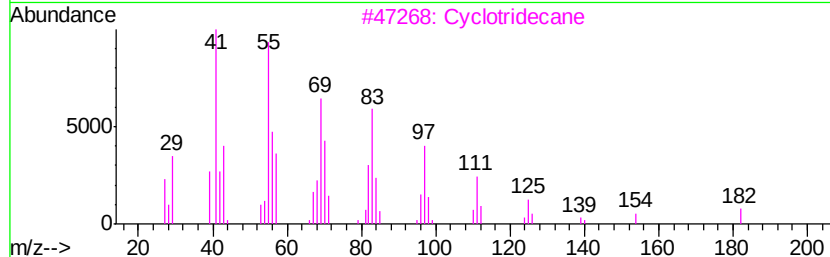
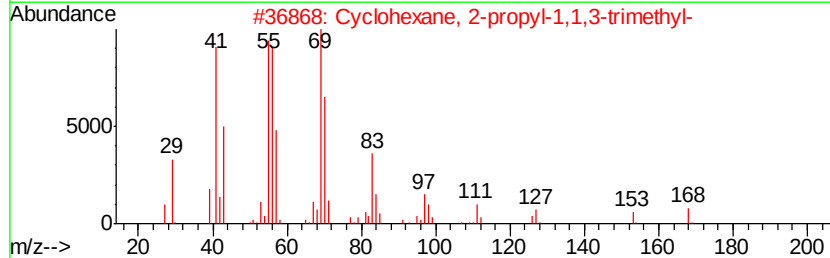
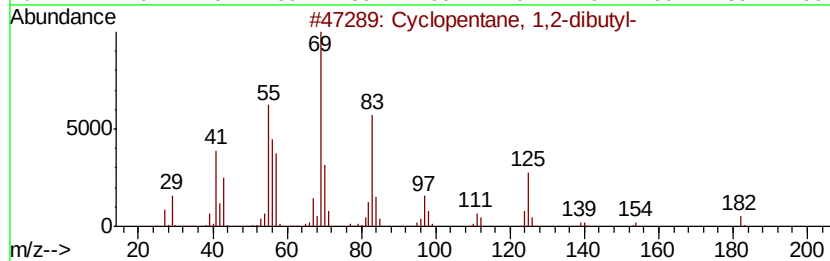
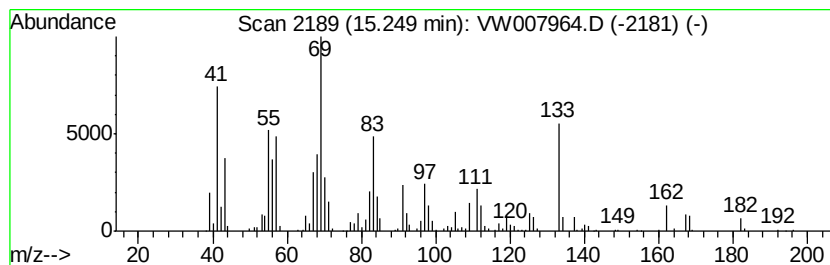
Instrument :
MSVOA_W
ClientSampled :
F9F75

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122618S.M
Quant Title : VOC Analysis

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

Peak Number 71 (DEL) Alkane: Cyclic15.25 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.25	44.22 ug/L	608253	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclopentane, 1,2-dibutyl-	182 C13H26	062199-52-4 50
2		Cyclohexane, 2-propyl-1,1,3-trim...	168 C12H24	081983-70-2 50
3		Cyclotridecane	182 C13H26	000295-02-3 48
4		Cyclopropane, 1-hexyl-2-propyl-,...	168 C12H24	074630-58-3 46
5		Cyclopropane, 1-butyl-2-pentyl-,...	168 C12H24	074663-88-0 43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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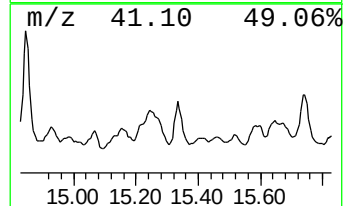
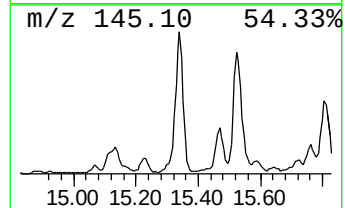
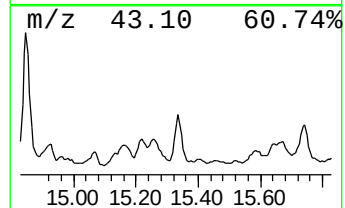
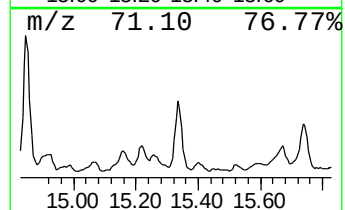
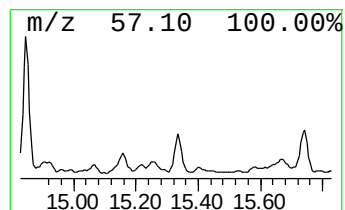
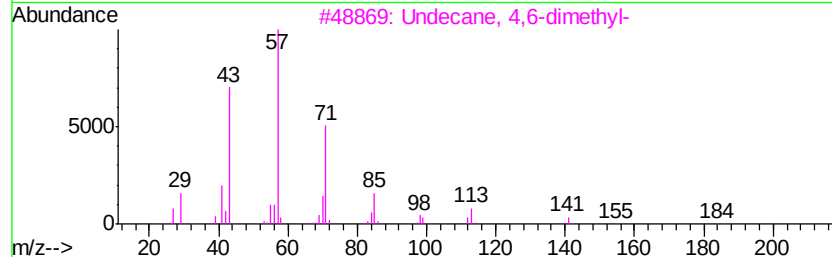
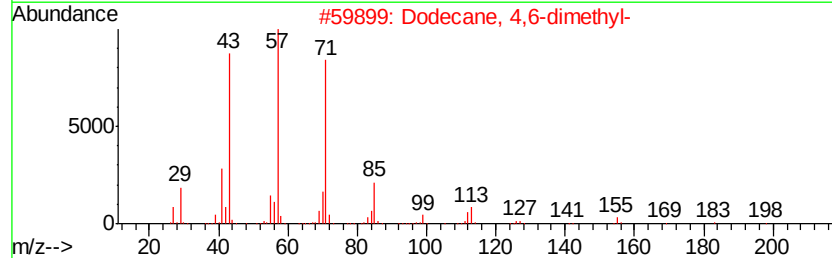
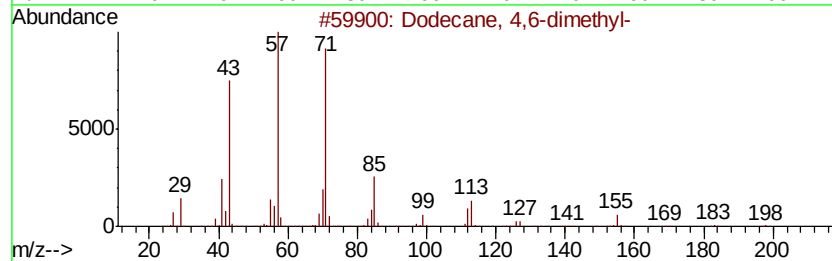
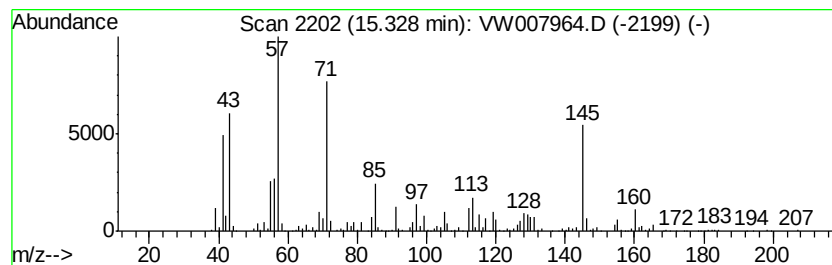
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Quant Title : VOC Analysis

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

Peak Number 72 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	28.96 ug/L	398451	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	55
2		Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	55
3		Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	46
4		Nonane, 3-methyl-	142	C10H22	005911-04-6	45
5		Sulfurous acid, 2-ethylhexyl tet...	390	C22H46O3S	1000309-19-7	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9F75

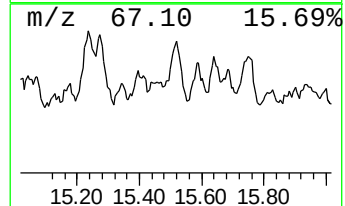
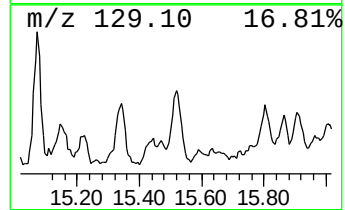
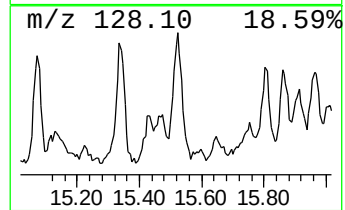
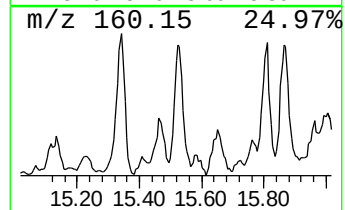
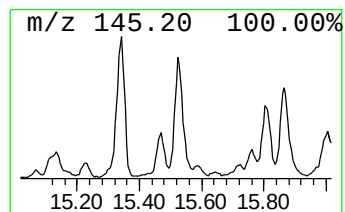
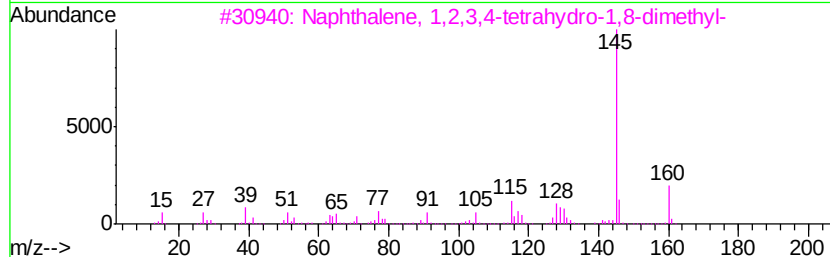
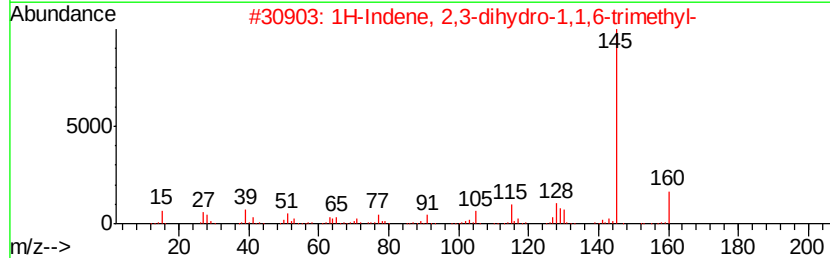
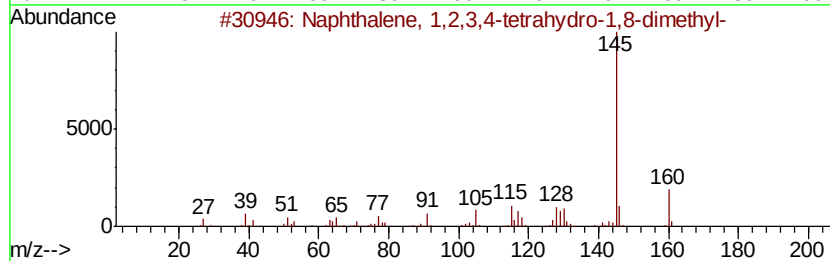
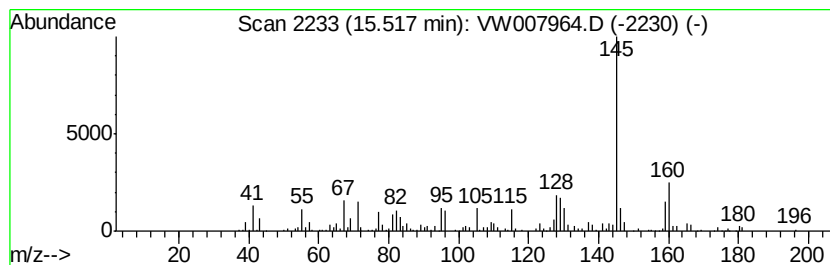
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Quant Title : VOC Analysis

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

Peak Number 73 Naphthalene, 1,2,3,4-tetra... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.52	15.63 ug/L	214948	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	81
2		1H-Indene, 2,3-dihydro-1,1,6-tri...	160	C12H16	014276-95-0	76
3		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	74
4		1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	74
5		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

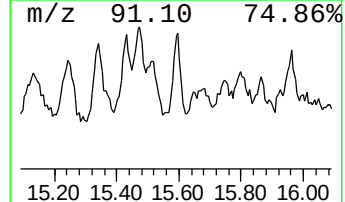
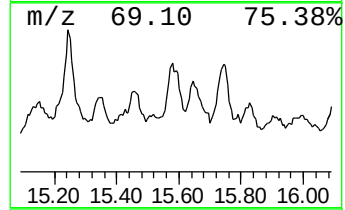
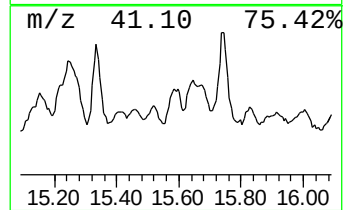
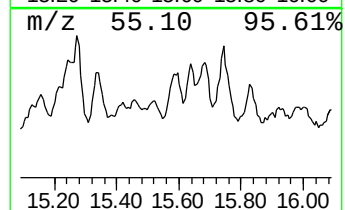
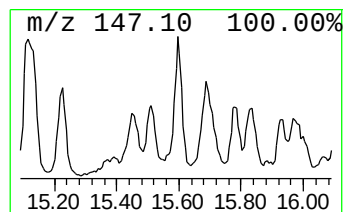
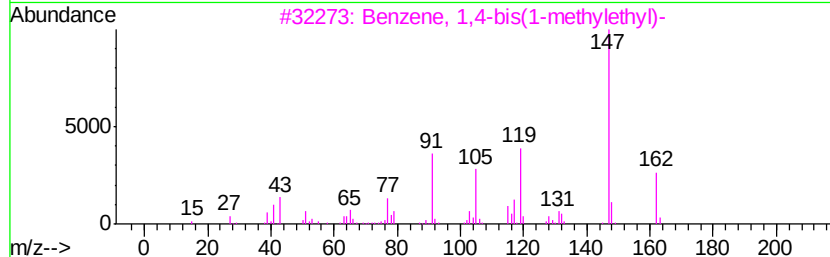
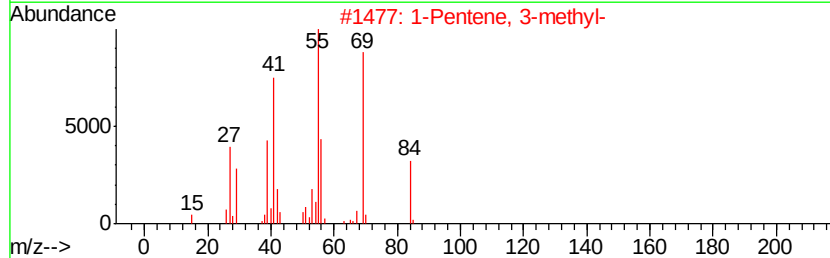
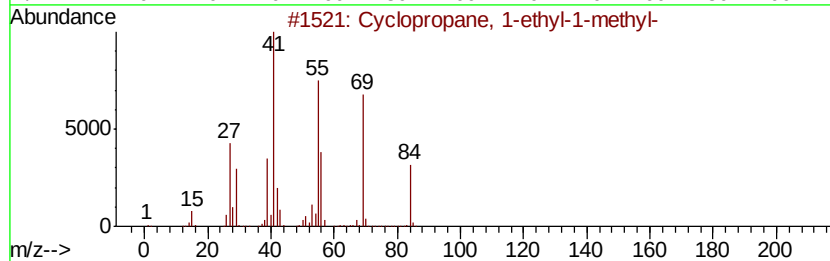
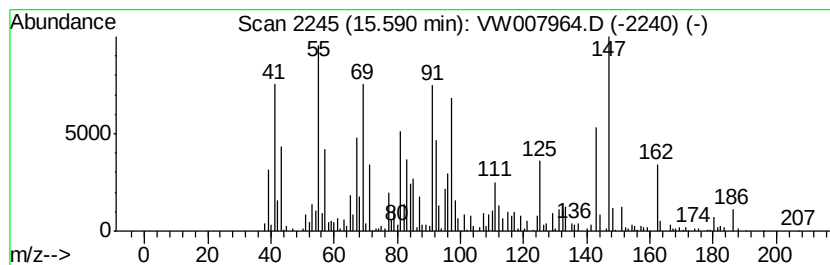
Instrument :
MSVOA_W
ClientSampleId :
F9F75

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122618S.M
Quant Title : VOC Analysis

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

Peak Number 74 (DEL) Alkane: Cyclic15.59 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.59	14.42 ug/L	198324	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclopropane, 1-ethyl-1-methyl-	84 C6H12	053778-43-1 25
2		1-Pentene, 3-methyl-	84 C6H12	000760-20-3 25
3		Benzene, 1,4-bis(1-methylethyl)-	162 C12H18	000100-18-5 25
4		Ethanone, 1-(2,4,5-trimethylphen...	162 C11H14O	002040-07-5 25
5		Dewar benzene, hexamethyl-	162 C12H18	007641-77-2 15



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
F9F75

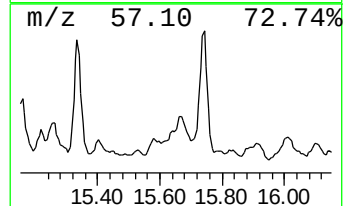
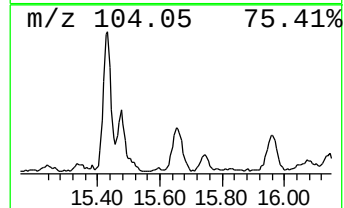
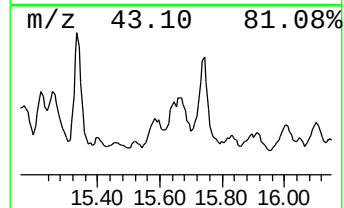
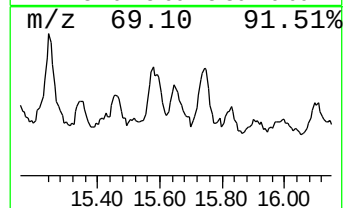
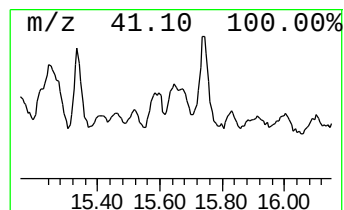
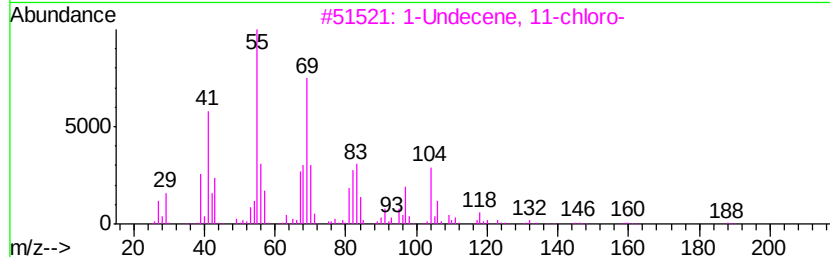
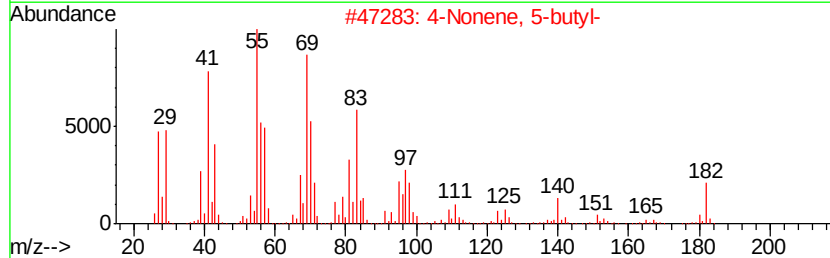
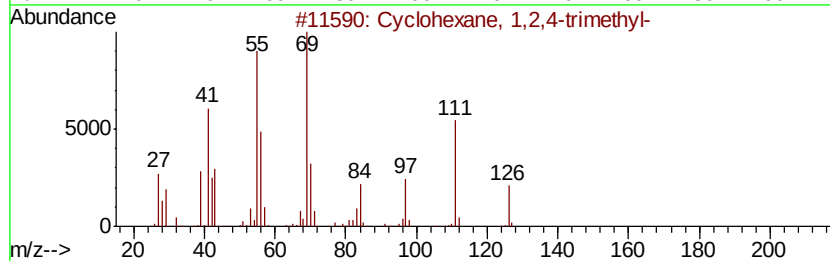
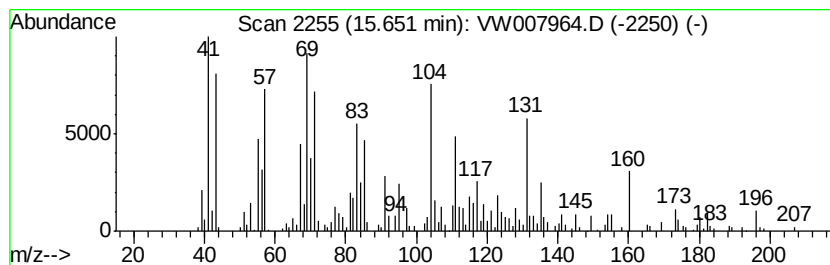
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Quant Title : VOC Analysis

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

Peak Number 75 (DEL) Alkane: Cyclic15.65 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.65	9.52 ug/L	130957	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	42
2		4-Nonene, 5-butyl-	182	C13H26	007367-38-6	41
3		1-Undecene, 11-chloro-	188	C11H21Cl	000872-17-3	41
4		Cyclopentane, 1-pentyl-2-propyl-	182	C13H26	062199-51-3	38
5		7-Octenal, 3,7-dimethyl-	154	C10H18O	000141-26-4	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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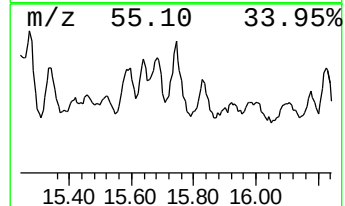
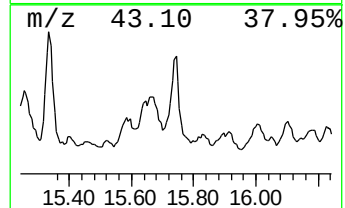
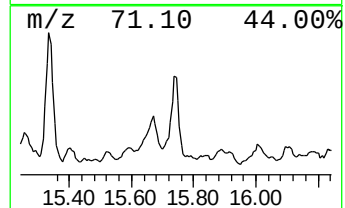
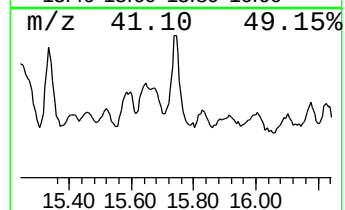
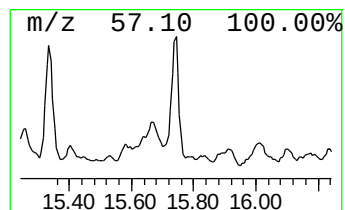
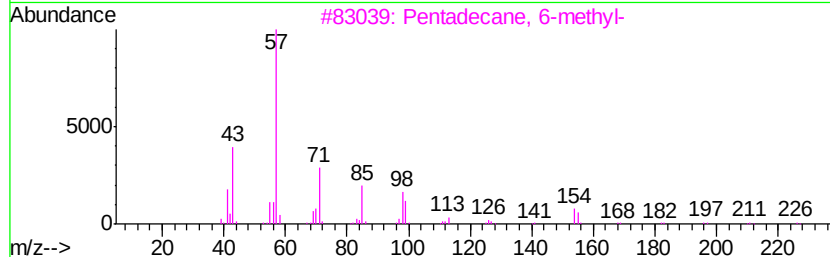
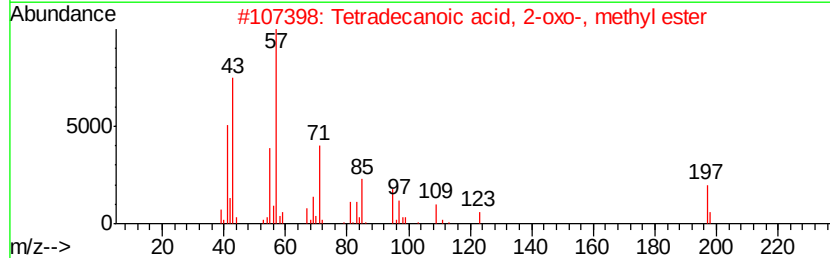
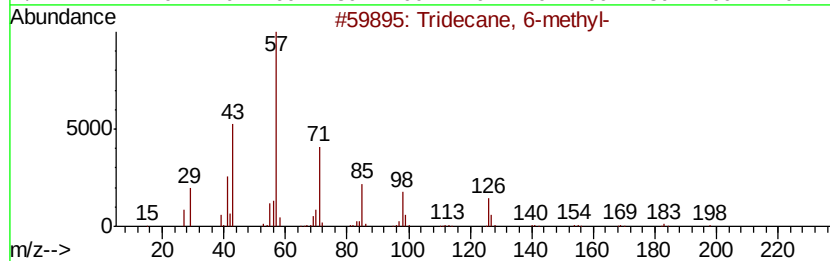
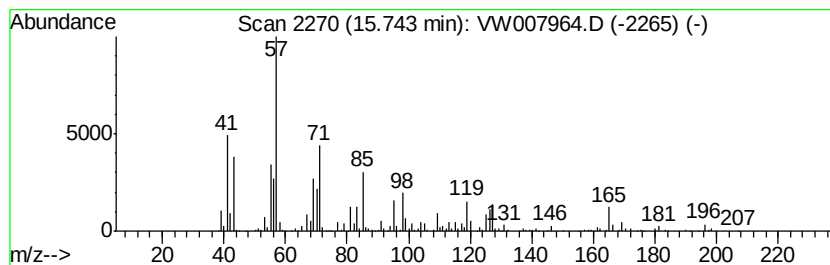
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Quant Title : VOC Analysis

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

Peak Number 76 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.74	22.78 ug/L	313400	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane, 6-methyl-	198	C14H30	013287-21-3	46
2		Tetradecanoic acid, 2-oxo-, meth...	256	C15H28O3	055682-82-1	43
3		Pentadecane, 6-methyl-	226	C16H34	010105-38-1	43
4		Tridecane, 6-methyl-	198	C14H30	013287-21-3	38
5		Nonadecane	268	C19H40	000629-92-5	35



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9F75

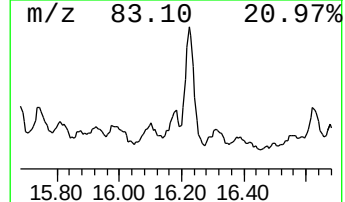
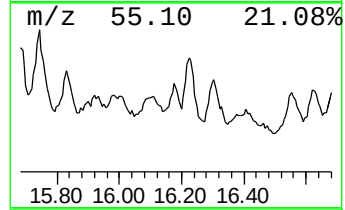
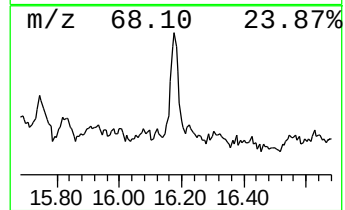
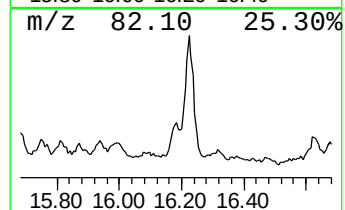
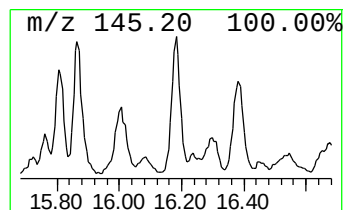
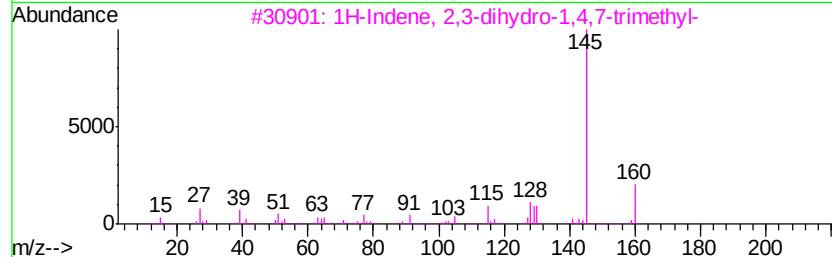
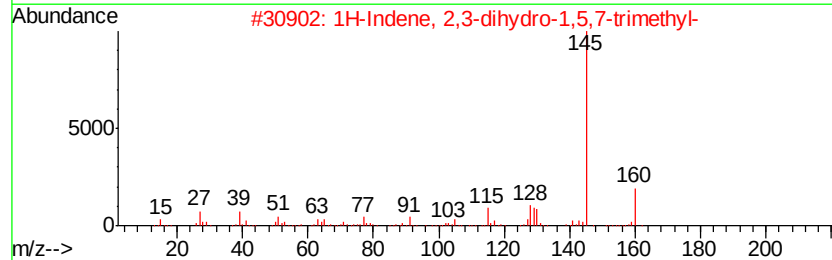
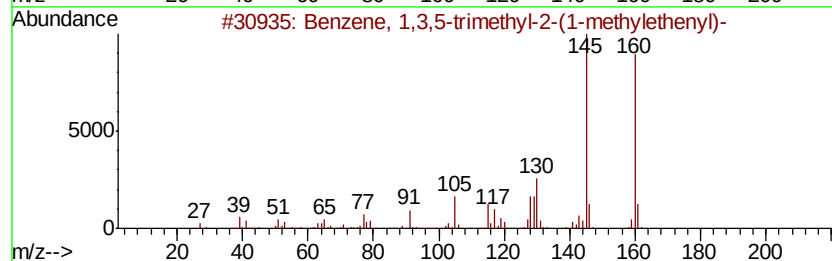
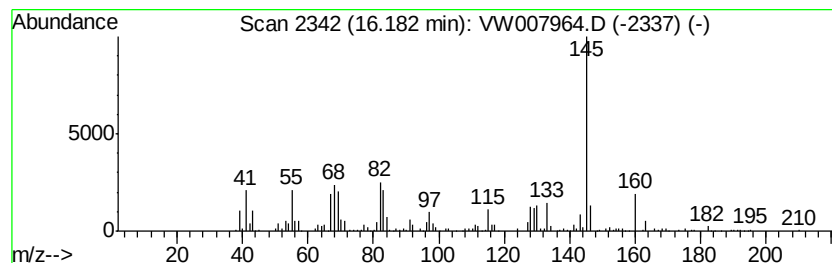
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Quant Title : VOC Analysis

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

Peak Number 77 Benzene, 1,3,5-trimethyl-2-... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.18	9.64 ug/L	132601	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	64
2		1H-Indene, 2,3-dihydro-1,5,7-tri...	160	C12H16	054340-88-4	64
3		1H-Indene, 2,3-dihydro-1,4,7-tri...	160	C12H16	054340-87-3	64
4		1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	64
5		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	62



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122718\
Data File : VW007964.D
Acq On : 27 Dec 2018 12:23
Operator : SY/AP
Sample : J6489-07
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
F9F75

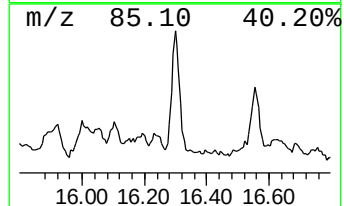
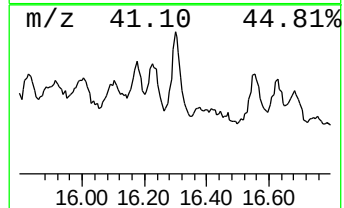
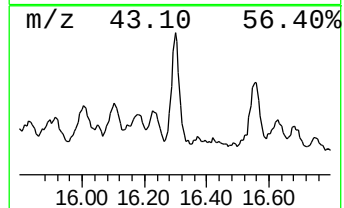
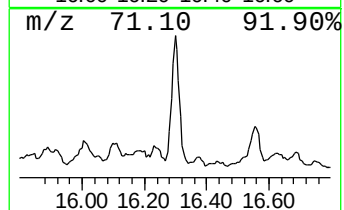
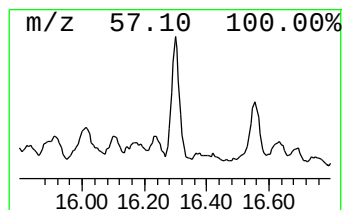
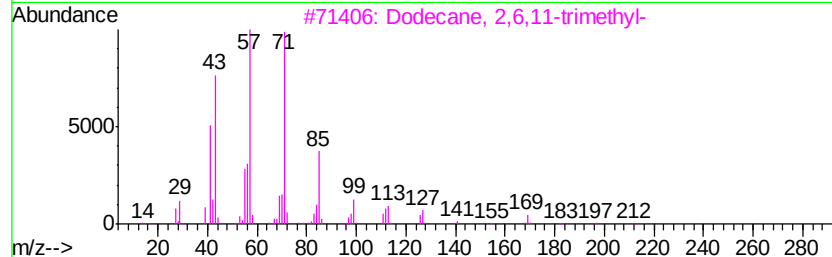
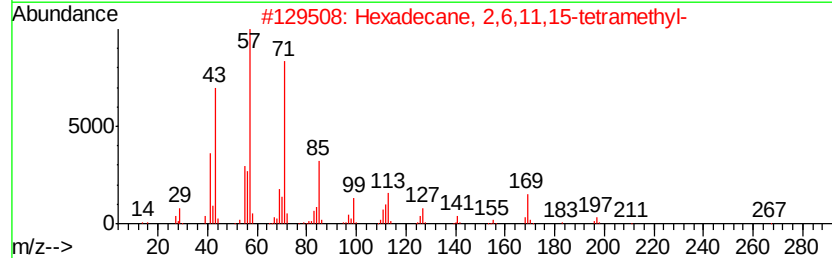
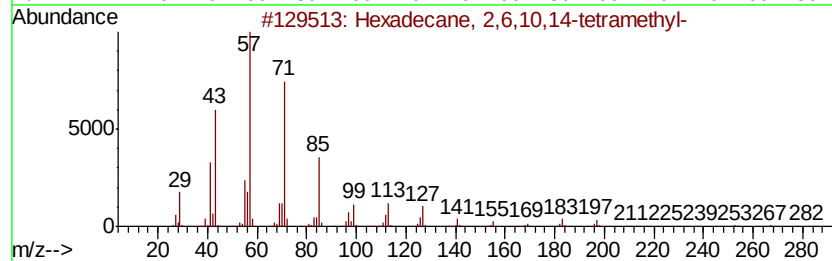
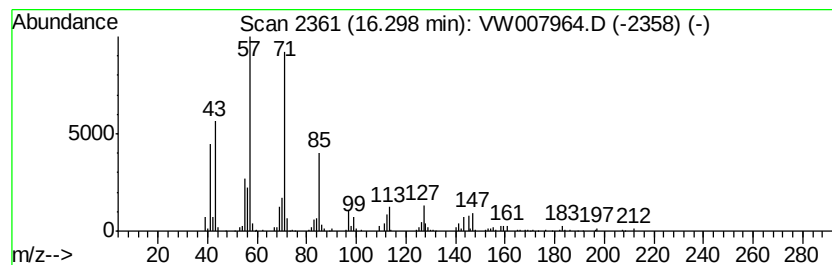
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Quant Title : VOC Analysis

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

Peak Number 78 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.30	13.80 ug/L	189843	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	83
2		Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	74
3		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	72
4		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	72
5		Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	72



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122718\
 Data File : VW007964.D
 Acq On : 27 Dec 2018 12:23
 Operator : SY/AP
 Sample : J6489-07
 Misc : 5.05G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 F9F75

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122618S.M
 Quant Title : VOC Analysis

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Propanol, 2-met...	5.17	1.8	ug/L	23078	1	8.84	318214	25.0
(DEL) Alkane: Cyc...	6.98	3.8	ug/L	47684	1	8.84	318214	25.0
(DEL) Alkane: Str...	8.03	2.2	ug/L	27789	1	8.84	318214	25.0
(DEL) Alkane: Cyc...	8.43	2.5	ug/L	32428	1	8.84	318214	25.0
(DEL) Alkane: Cyc...	8.57	7.7	ug/L	98055	1	8.84	318214	25.0
(DEL) Alkane: Cyc...	9.51	2.8	ug/L	35714	1	8.84	318214	25.0
(DEL) Alkane: Cyc...	9.61	5.1	ug/L	65229	1	8.84	318214	25.0
Cyclohexene, 4-me...	9.71	2.3	ug/L	29802	1	8.84	318214	25.0
(DEL) Alkane: Cyc...	9.75	6.8	ug/L	86474	1	8.84	318214	25.0
(DEL) Alkane: Cyc...	9.90	4.6	ug/L	59068	1	8.84	318214	25.0
(DEL) Alkane: Cyc...	10.08	1.8	ug/L	23112	1	8.84	318214	25.0
(DEL) Alkane: Cyc...	10.25	2.6	ug/L	42108	2	11.63	400543	25.0
(DEL) Alkane: Cyc...	10.45	2.8	ug/L	44169	2	11.63	400543	25.0
(DEL) Alkane: Cyc...	10.51	14.3	ug/L	228709	2	11.63	400543	25.0
(DEL) Alkane: Cyc...	10.66	9.4	ug/L	151468	2	11.63	400543	25.0
5,5-Dimethyl-1,3-...	10.75	17.2	ug/L	276000	2	11.63	400543	25.0
unknown-01	10.82	2.5	ug/L	39830	2	11.63	400543	25.0
1,3-Dimethyl-1-cy...	11.02	7.8	ug/L	125388	2	11.63	400543	25.0
unknown-02	11.10	5.3	ug/L	84184	2	11.63	400543	25.0
(DEL) Alkane: Cyc...	11.15	5.3	ug/L	85387	2	11.63	400543	25.0
(DEL) Alkane: Cyc...	11.18	12.2	ug/L	194721	2	11.63	400543	25.0
(DEL) Alkane: Cyc...	11.23	17.2	ug/L	274937	2	11.63	400543	25.0
1,2,4,4-Tetrameth...	11.29	3.3	ug/L	53420	2	11.63	400543	25.0
(DEL) Alkane: Cyc...	11.34	6.6	ug/L	105839	2	11.63	400543	25.0
(DEL) Alkane: Cyc...	11.44	4.8	ug/L	77201	2	11.63	400543	25.0
cis-Bicyclo[3.3.0...	11.55	4.8	ug/L	77469	2	11.63	400543	25.0
3-Hexen-1-ol, for...	11.73	3.3	ug/L	53454	2	11.63	400543	25.0
(DEL) Alkane: Cyc...	11.77	2.3	ug/L	37093	2	11.63	400543	25.0
4-Chloro-3-n-buty...	11.81	7.1	ug/L	114323	2	11.63	400543	25.0
(DEL) Alkane: Cyc...	11.88	11.3	ug/L	181630	2	11.63	400543	25.0
(DEL) Alkane: Cyc...	11.98	3.2	ug/L	50797	2	11.63	400543	25.0
Cyclohexane, 1,3-...	12.04	6.4	ug/L	102455	2	11.63	400543	25.0
Pentaleno[1,2-b]o...	12.08	2.4	ug/L	38757	2	11.63	400543	25.0
(DEL) Alkane: Cyc...	12.14	14.3	ug/L	229595	2	11.63	400543	25.0
(DEL) Alkane: Cyc...	12.26	12.1	ug/L	193522	2	11.63	400543	25.0
Cyclooctene, 3-me...	12.34	26.7	ug/L	427313	2	11.63	400543	25.0
unknown-03	12.53	9.3	ug/L	148390	2	11.63	400543	25.0
(DEL) Alkane: Cyc...	12.79	10.9	ug/L	149639	3	13.56	343915	25.0
(DEL) Alkane: Cyc...	12.86	3.7	ug/L	50346	3	13.56	343915	25.0
(DEL) Alkane: Cyc...	12.93	15.0	ug/L	206804	3	13.56	343915	25.0
(DEL) Alkane: Cyc...	13.00	3.1	ug/L	42783	3	13.56	343915	25.0
Phenol, 4-methoxy...	13.08	16.9	ug/L	231833	3	13.56	343915	25.0
(DEL) Alkane: Cyc...	13.13	10.1	ug/L	138873	3	13.56	343915	25.0
(DEL) Alkane: Str...	13.17	23.4	ug/L	321280	3	13.56	343915	25.0
unknown-04	13.26	2.1	ug/L	29405	3	13.56	343915	25.0
unknown-05	13.30	4.9	ug/L	67738	3	13.56	343915	25.0
(DEL) Alkane: Str...	13.35	5.0	ug/L	69264	3	13.56	343915	25.0
unknown-06	13.45	4.2	ug/L	57142	3	13.56	343915	25.0
(DEL) Alkane: Str...	13.49	5.7	ug/L	77886	3	13.56	343915	25.0

(DEL) Alkane: Str...	13.63	6.9 ug/L	94926	3	13.56	343915	25.0
7-Propylidene-bic...	13.74	4.2 ug/L	57764	3	13.56	343915	25.0
Benzene, 1,2-diet...	13.80	9.9 ug/L	136616	3	13.56	343915	25.0
unknown-07	13.99	6.8 ug/L	93964	3	13.56	343915	25.0
(DEL) Alkane: Str...	14.14	18.7 ug/L	257319	3	13.56	343915	25.0
(DEL) Alkane: Str...	14.21	13.0 ug/L	179326	3	13.56	343915	25.0
(DEL) Alkane: Cyc...	14.27	10.0 ug/L	137761	3	13.56	343915	25.0
Benzene, 1-ethyl-...	14.32	4.2 ug/L	57268	3	13.56	343915	25.0
(DEL) Alkane: Str...	14.35	19.4 ug/L	267117	3	13.56	343915	25.0
(DEL) Alkane: Cyc...	14.40	23.8 ug/L	327861	3	13.56	343915	25.0
(DEL) Alkane: Str...	14.44	6.6 ug/L	90854	3	13.56	343915	25.0
(DEL) Alkane: Str...	14.51	7.5 ug/L	103429	3	13.56	343915	25.0
1-Methyldecahydro...	14.55	18.1 ug/L	248778	3	13.56	343915	25.0
Benzene, (3-methy...	14.65	5.6 ug/L	76781	3	13.56	343915	25.0
2,2-Dimethylinden...	14.71	9.0 ug/L	123313	3	13.56	343915	25.0
(DEL) Alkane: Cyc...	14.80	11.0 ug/L	151846	3	13.56	343915	25.0
(DEL) Alkane: Str...	14.85	45.3 ug/L	623184	3	13.56	343915	25.0
Benzene, (1-methy...	15.07	11.6 ug/L	158950	3	13.56	343915	25.0
Benzene, 1-pentenyl-	15.15	33.8 ug/L	464710	3	13.56	343915	25.0
(DEL) Alkane: Cyc...	15.25	44.2 ug/L	608253	3	13.56	343915	25.0
(DEL) Alkane: Str...	15.33	29.0 ug/L	398451	3	13.56	343915	25.0
Naphthalene, 1,2,...	15.52	15.6 ug/L	214948	3	13.56	343915	25.0
(DEL) Alkane: Cyc...	15.59	14.4 ug/L	198324	3	13.56	343915	25.0
(DEL) Alkane: Cyc...	15.65	9.5 ug/L	130957	3	13.56	343915	25.0
(DEL) Alkane: Str...	15.74	22.8 ug/L	313400	3	13.56	343915	25.0
Benzene, 1,3,5-tr...	16.18	9.6 ug/L	132601	3	13.56	343915	25.0
(DEL) Alkane: Str...	16.30	13.8 ug/L	189843	3	13.56	343915	25.0

Instrument :
MSVOA_W
ClientSampleId :
F9F75