

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111618\
 Data File : VW006914.D
 Acq On : 16 Nov 2018 12:48
 Operator : SY/AP
 Sample : J5945-16
 Misc : 4.13G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ETOA7

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\SOM2WLM111418S.M
 Title : VOC Analysis

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.019	336	347	357	rBV	80599	209389	4.12%	0.220%
2	6.988	825	834	843	rVV	53006	155331	3.05%	0.163%
3	7.653	932	943	949	rBV	94966	260545	5.12%	0.274%
4	7.958	980	993	1000	rBV2	226647	608167	11.96%	0.639%
5	8.037	1000	1006	1016	rVB	103853	250184	4.92%	0.263%
6	8.159	1016	1026	1032	rBV	147028	344767	6.78%	0.362%
7	8.281	1040	1046	1050	rBV	157619	363773	7.15%	0.382%
8	8.433	1062	1071	1078	rBV2	102901	261854	5.15%	0.275%
9	8.513	1078	1084	1089	rVV2	66382	133154	2.62%	0.140%
10	8.580	1089	1095	1107	rVB	120844	270554	5.32%	0.284%
11	8.848	1128	1139	1151	rBV	207434	417132	8.20%	0.438%
12	9.153	1182	1189	1199	rVB	80531	161579	3.18%	0.170%
13	9.336	1201	1219	1225	rBV	2219924	5086433	100.00%	5.346%
14	9.390	1225	1228	1235	rVB	226434	378869	7.45%	0.398%
15	9.579	1254	1259	1261	rBV	101333	174074	3.42%	0.183%
16	9.756	1279	1288	1298	rVB2	127773	255183	5.02%	0.268%
17	9.903	1298	1312	1317	rBV	222460	441178	8.67%	0.464%
18	10.085	1337	1342	1346	rVV2	193175	440677	8.66%	0.463%
19	10.128	1346	1349	1358	rVB	205570	378648	7.44%	0.398%
20	10.250	1364	1369	1374	rVB2	81093	150086	2.95%	0.158%
21	10.323	1374	1381	1385	rBV2	1570262	2955132	58.10%	3.106%
22	10.360	1385	1387	1395	rVB	611847	933841	18.36%	0.981%
23	10.494	1403	1409	1418	rVB	447415	967329	19.02%	1.017%
24	10.671	1432	1438	1446	rVB	728900	1318348	25.92%	1.386%
25	10.762	1446	1453	1458	rBV2	536558	1122670	22.07%	1.180%
26	10.847	1463	1467	1473	rVB	315022	514971	10.12%	0.541%
27	10.939	1473	1482	1489	rBV2	656650	1196847	23.53%	1.258%
28	11.043	1489	1499	1506	rVV	688324	1428656	28.09%	1.501%
29	11.116	1506	1511	1514	rVV2	332130	604726	11.89%	0.636%
30	11.183	1514	1522	1526	rVV	838554	1770934	34.82%	1.861%
31	11.232	1526	1530	1535	rVV	670354	1180918	23.22%	1.241%
32	11.286	1535	1539	1543	rVV	204949	351070	6.90%	0.369%
33	11.341	1543	1548	1552	rVV	426055	785750	15.45%	0.826%
34	11.384	1552	1555	1557	rVV2	360346	586011	11.52%	0.616%

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Integration Parameters: LSCINT.P

Integrator: RTE
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Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
 Title : VOC Analysis

35	11.439	1561	1564	1571	rVV	482640	845324	16.62%	0.888%
36	11.512	1571	1576	1580	rVV2	329605	559467	11.00%	0.588%
37	11.634	1587	1596	1603	rVV2	280924	610108	11.99%	0.641%
38	11.725	1603	1611	1615	rVV3	165119	417646	8.21%	0.439%
39	11.768	1615	1618	1622	rVV	182187	302322	5.94%	0.318%
40	11.823	1622	1627	1631	rVV4	246708	625364	12.29%	0.657%
41	11.878	1631	1636	1640	rVV	826603	1608512	31.62%	1.691%
42	11.920	1640	1643	1648	rVB	389907	627355	12.33%	0.659%
43	12.067	1660	1667	1672	rVB3	459992	950638	18.69%	0.999%
44	12.140	1672	1679	1685	rBV3	1086727	2371513	46.62%	2.492%
45	12.195	1685	1688	1691	rVV2	348160	518682	10.20%	0.545%
46	12.256	1694	1698	1703	rVB	1098304	1662623	32.69%	1.747%
47	12.335	1703	1711	1714	rBV6	638019	1648728	32.41%	1.733%
48	12.390	1714	1720	1724	rVB4	488980	1199164	23.58%	1.260%
49	12.518	1729	1741	1742	rVV6	765145	2092681	41.14%	2.199%
50	12.548	1743	1746	1754	rVB	1303010	2517669	49.50%	2.646%
51	12.628	1754	1759	1760	rBV3	294851	393291	7.73%	0.413%
52	12.658	1760	1764	1767	rVB	592263	776591	15.27%	0.816%
53	12.707	1767	1772	1776	rVB4	230332	362570	7.13%	0.381%
54	12.786	1781	1785	1792	rVB3	486877	981643	19.30%	1.032%
55	12.865	1792	1798	1802	rBV4	329535	723241	14.22%	0.760%
56	12.945	1804	1811	1816	rBV3	1015771	1986954	39.06%	2.088%
57	13.000	1816	1820	1825	rVB3	512262	829354	16.31%	0.872%
58	13.085	1829	1834	1838	rBV2	598356	934263	18.37%	0.982%
59	13.134	1838	1842	1844	rBV3	612390	893296	17.56%	0.939%
60	13.170	1844	1848	1853	rVV	1628253	2401157	47.21%	2.524%
61	13.256	1854	1862	1866	rVB2	910916	1814784	35.68%	1.907%
62	13.298	1866	1869	1873	rVB	602777	782182	15.38%	0.822%
63	13.353	1873	1878	1881	rBV	427676	677519	13.32%	0.712%
64	13.457	1886	1895	1898	rVV4	1079431	2354212	46.28%	2.474%
65	13.493	1898	1901	1904	rVV	1355561	1996287	39.25%	2.098%
66	13.524	1904	1906	1910	rVV	605551	920410	18.10%	0.967%
67	13.560	1910	1912	1914	rVV2	327040	389879	7.67%	0.410%
68	13.597	1914	1918	1921	rVV2	457127	747322	14.69%	0.785%
69	13.634	1921	1924	1930	rVB2	593409	824881	16.22%	0.867%
70	13.707	1931	1936	1942	rBV4	205979	523341	10.29%	0.550%
71	13.798	1947	1951	1956	rBV2	210251	372654	7.33%	0.392%

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72	13.884	1958	1965	1969	rVV3	913344	1884575	37.05%	1.981%
73	13.926	1969	1972	1976	rVV	619066	1075322	21.14%	1.130%
74	13.987	1978	1982	1985	rVV4	563020	1083753	21.31%	1.139%
75	14.042	1985	1991	1997	rVV5	920503	2712428	53.33%	2.851%
76	14.097	1997	2000	2004	rVV2	809658	1440290	28.32%	1.514%
77	14.140	2004	2007	2013	rVB	600331	990224	19.47%	1.041%
78	14.207	2013	2018	2023	rBV4	518947	888281	17.46%	0.934%
79	14.268	2023	2028	2034	rBV5	495561	910861	17.91%	0.957%
80	14.353	2034	2042	2045	rBV4	680418	1496194	29.42%	1.572%
81	14.396	2045	2049	2053	rVV2	1321398	2391715	47.02%	2.514%
82	14.463	2057	2060	2064	rVV	499113	732101	14.39%	0.769%
83	14.505	2064	2067	2070	rVV5	298754	402127	7.91%	0.423%
84	14.554	2071	2075	2081	rVB6	309251	566627	11.14%	0.596%
85	14.743	2103	2106	2110	rVB2	204701	308839	6.07%	0.325%
86	14.804	2111	2116	2120	rBV3	790269	1530389	30.09%	1.608%
87	14.853	2120	2124	2131	rVB3	1099636	2086328	41.02%	2.193%
88	15.072	2156	2160	2167	rVB6	248304	430158	8.46%	0.452%
89	15.176	2167	2177	2187	rVV7	310763	1329743	26.14%	1.398%
90	15.274	2188	2193	2199	rVB3	485181	953437	18.74%	1.002%
91	15.341	2199	2204	2210	rBV	834760	1508377	29.65%	1.585%
92	15.408	2211	2215	2221	rVB4	182449	357635	7.03%	0.376%
93	15.682	2250	2260	2264	rBV6	276811	877688	17.26%	0.922%
94	15.883	2289	2293	2296	rBV4	90836	147388	2.90%	0.155%
95	16.017	2310	2315	2319	rBV3	139005	301738	5.93%	0.317%
96	16.103	2326	2329	2334	rVB2	140633	222466	4.37%	0.234%
97	16.158	2334	2338	2345	rVV5	114991	308736	6.07%	0.324%
98	16.231	2346	2350	2356	rVB2	314992	584713	11.50%	0.615%
99	16.304	2357	2362	2370	rVB	348531	634616	12.48%	0.667%
100	16.627	2409	2415	2421	rBV4	99402	290123	5.70%	0.305%

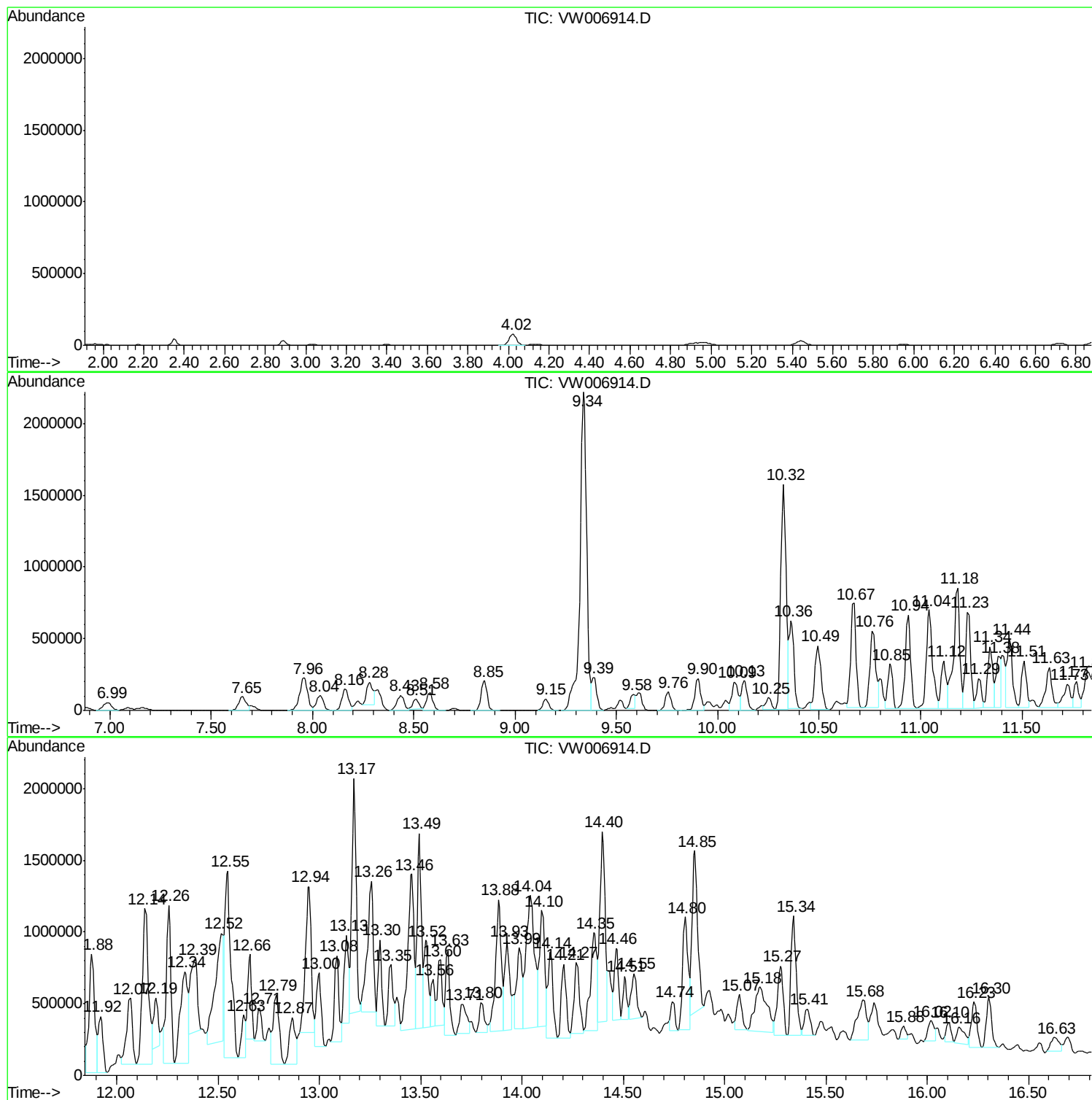
Sum of corrected areas: 95149279

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Instrument :
MSVOA_W
ClientSampleId :
ETOA7

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis

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



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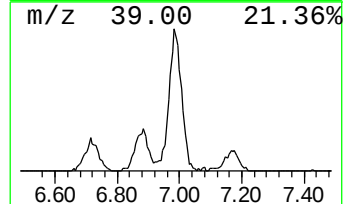
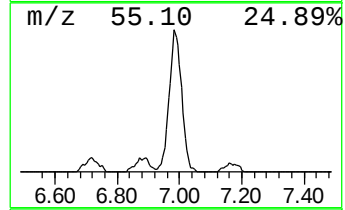
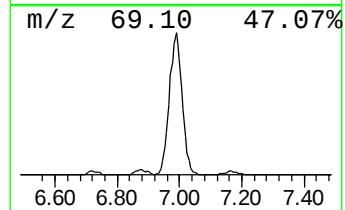
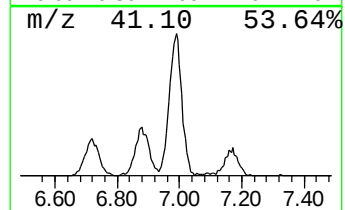
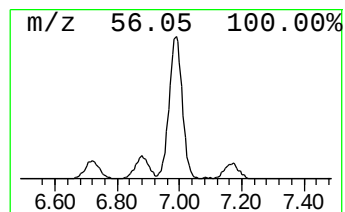
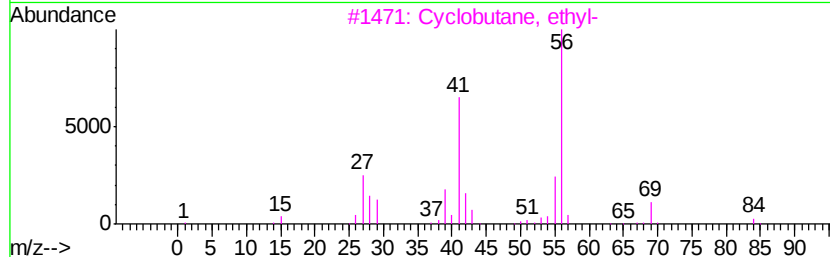
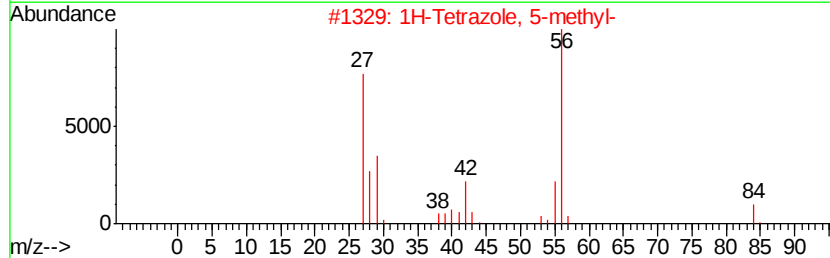
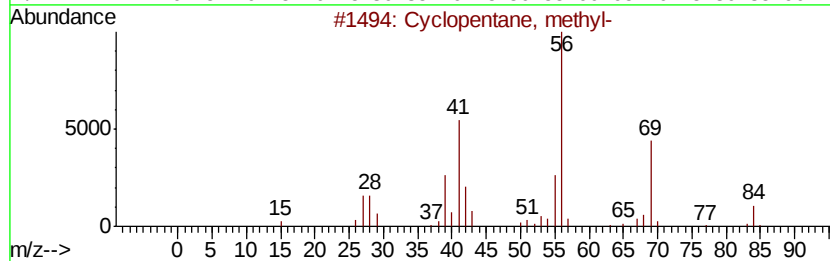
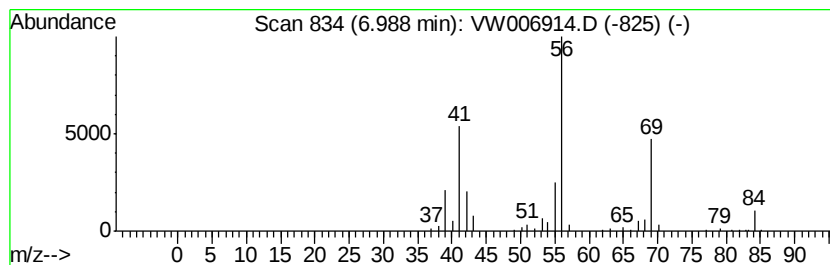
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis

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

Peak Number 1 (DEL) Alkane: Cyclic6.99 Concentration Rank 75

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.99	9.31 ug/L	155331	1,4-Difluorobenzene	8.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, methyl-	84	C6H12	000096-37-7	94
2		1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72
3		Cyclobutane, ethyl-	84	C6H12	004806-61-5	72
4		Cyclohexane	84	C6H12	000110-82-7	64
5		Cyclobutane, ethyl-	84	C6H12	004806-61-5	59



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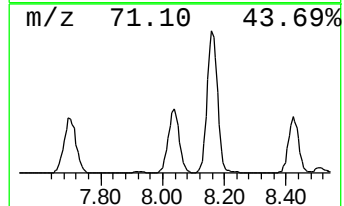
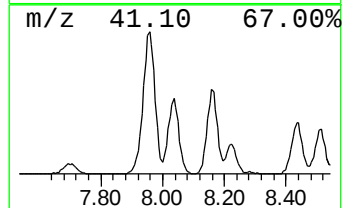
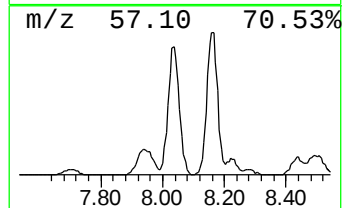
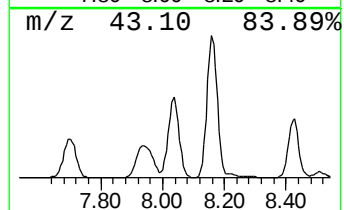
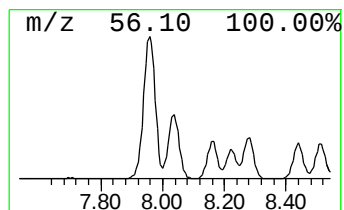
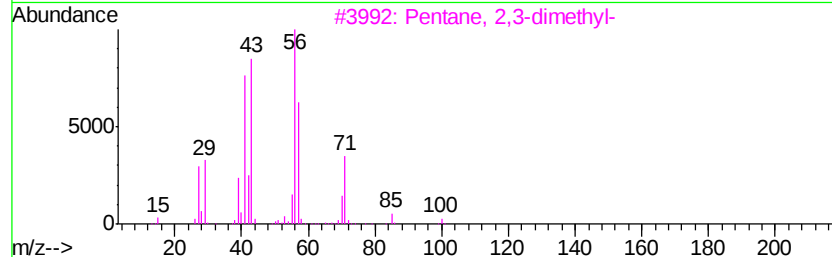
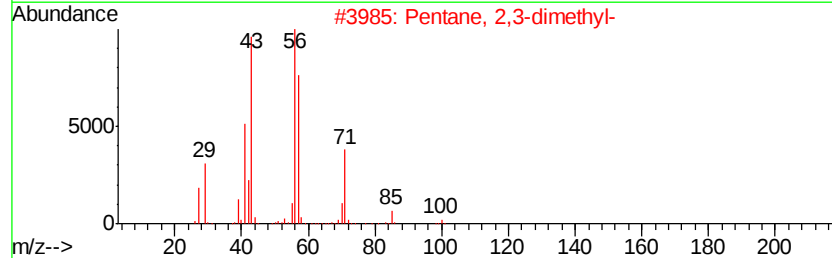
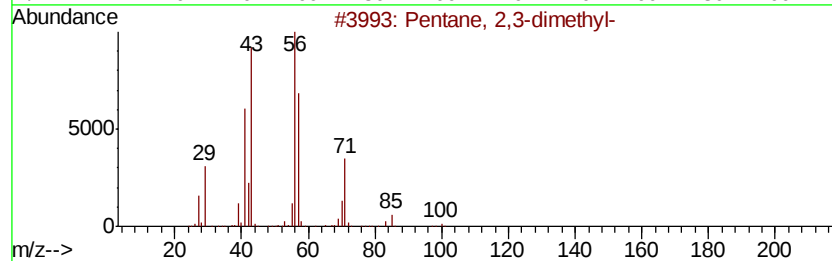
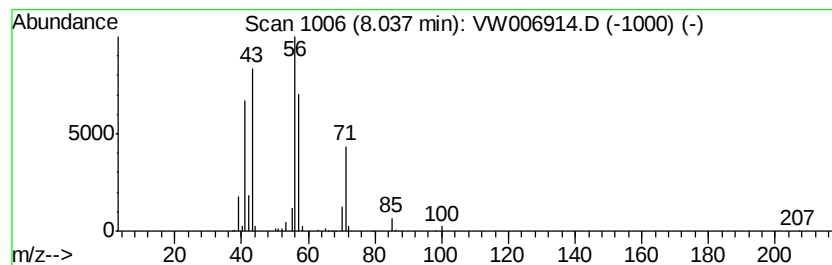
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.04	14.99 ug/L	250184	1,4-Difluorobenzene	8.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
2		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
3		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	90
4		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	87
5		Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	50



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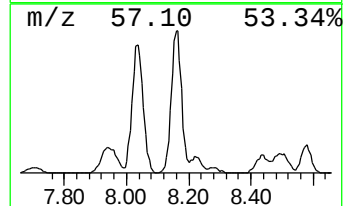
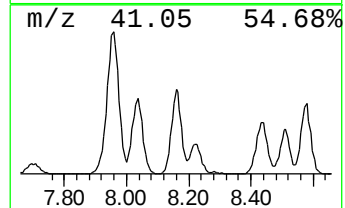
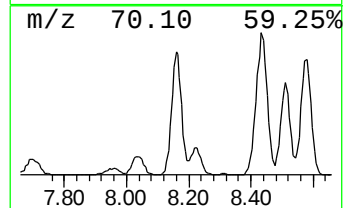
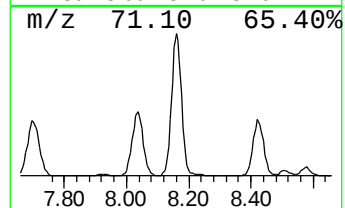
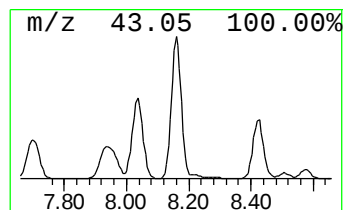
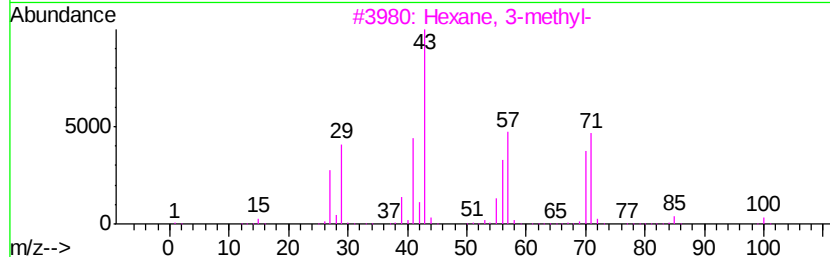
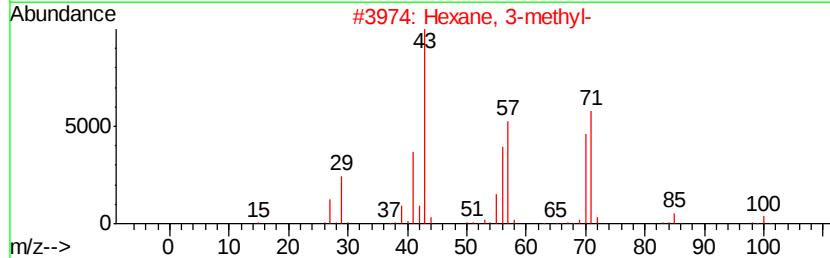
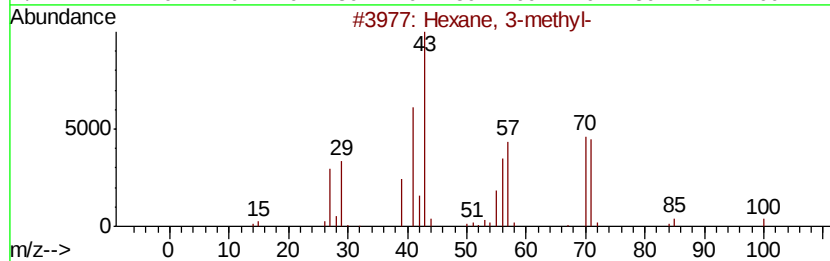
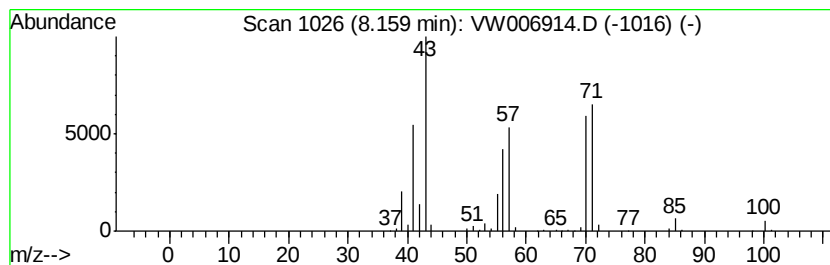
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis

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

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.16	20.66 ug/L	344767	1,4-Difluorobenzene	8.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
2		Hexane, 3-methyl-	100	C7H16	000589-34-4	91
3		Hexane, 3-methyl-	100	C7H16	000589-34-4	87
4		Heptane	100	C7H16	000142-82-5	64
5		Heptane, 4-methyl-	114	C8H18	000589-53-7	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOA7

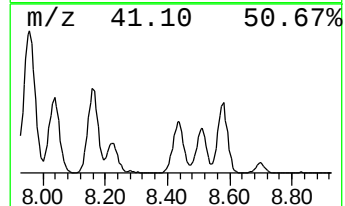
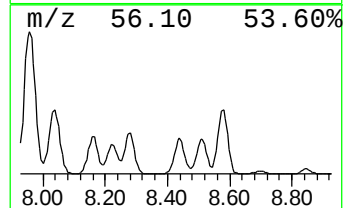
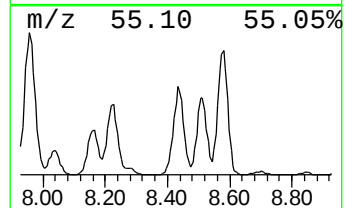
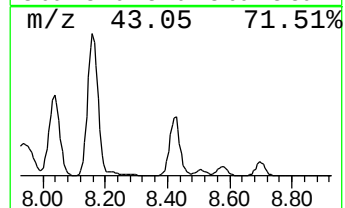
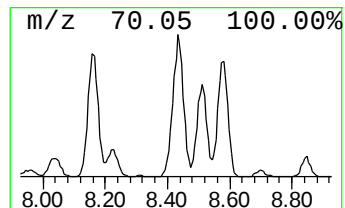
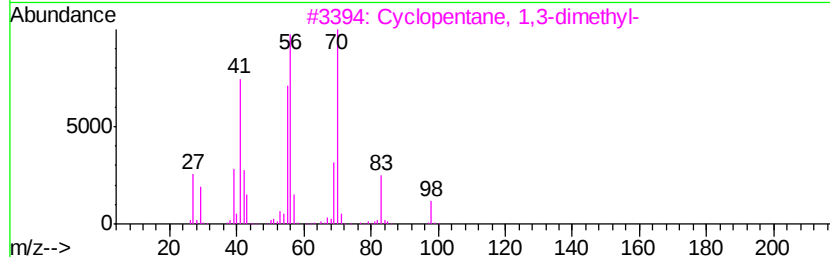
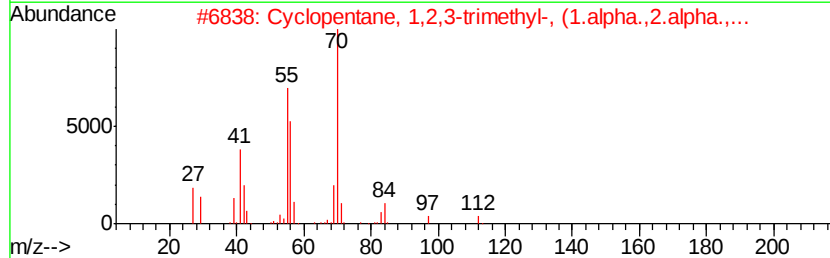
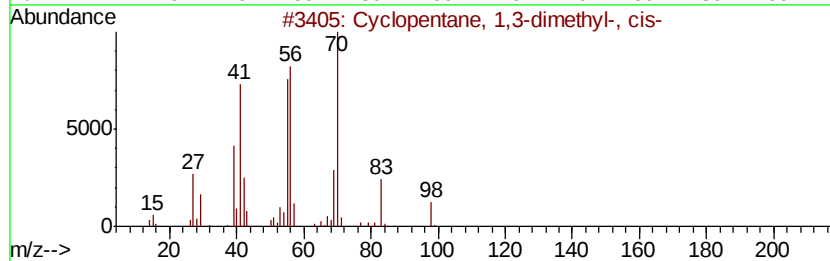
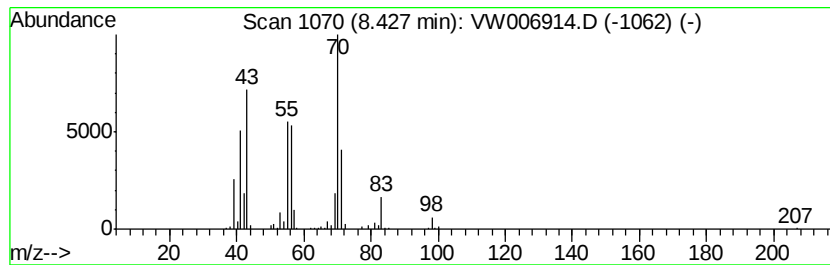
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Quant Title : VOC Analysis

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

Peak Number 4 (DEL) Alkane: Cyclic8.43 Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.43	15.69 ug/L	261854	1,4-Difluorobenzene	8.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	91
2		Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	72
3		Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	64
4		2,3-Dimethyl-aziridine	71	C4H9N	002549-68-0	64
5		Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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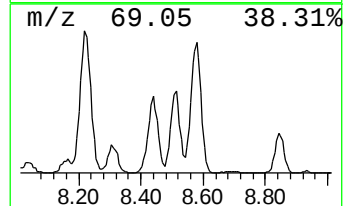
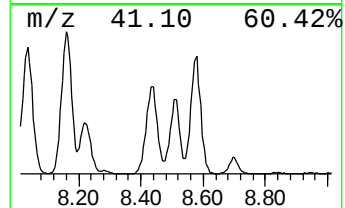
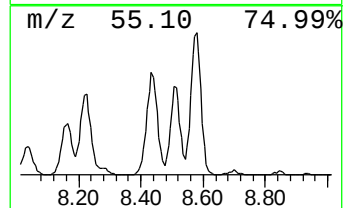
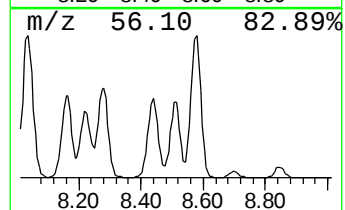
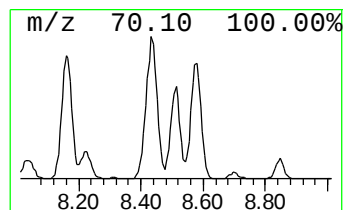
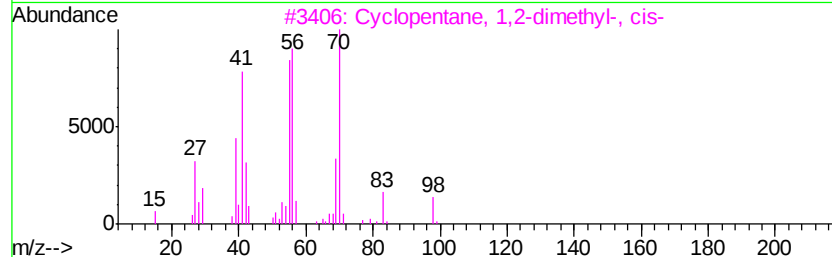
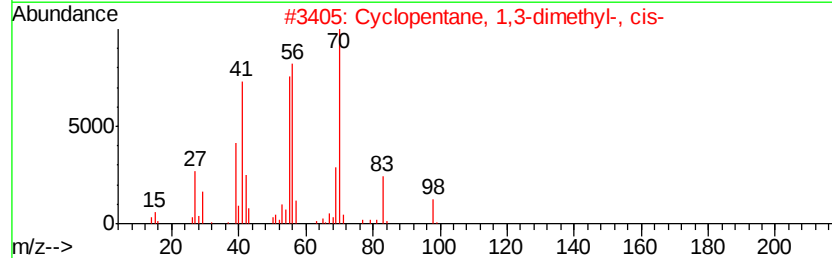
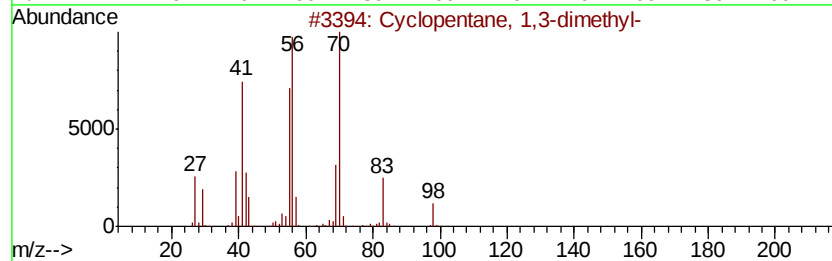
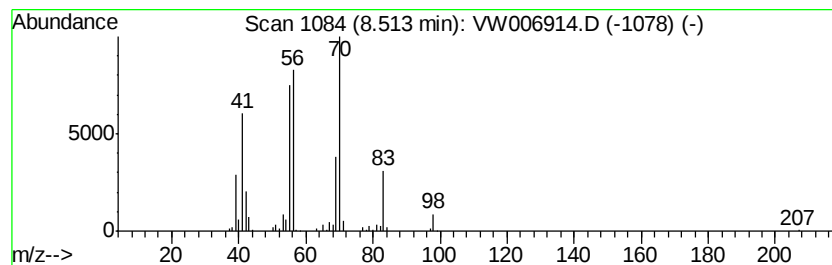
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Quant Title : VOC Analysis

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

Peak Number 5 (DEL) Alkane: Cyclic8.51 Concentration Rank 76

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.51	7.98 ug/L	133154	1,4-Difluorobenzene	8.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	91
2		Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	90
3		Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	87
4		Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	86
5		Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

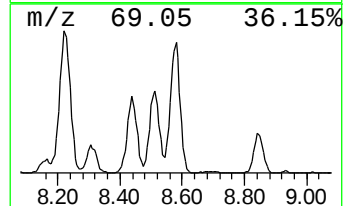
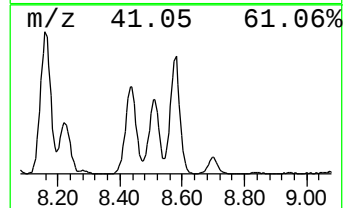
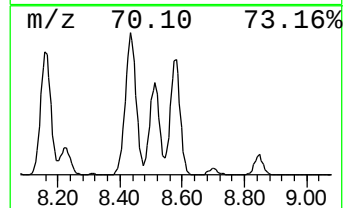
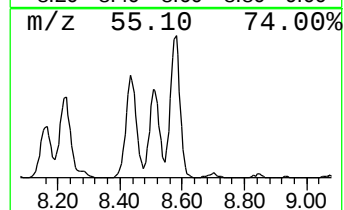
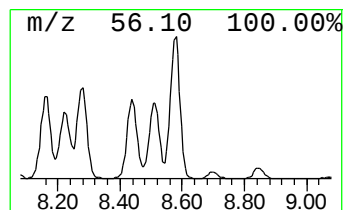
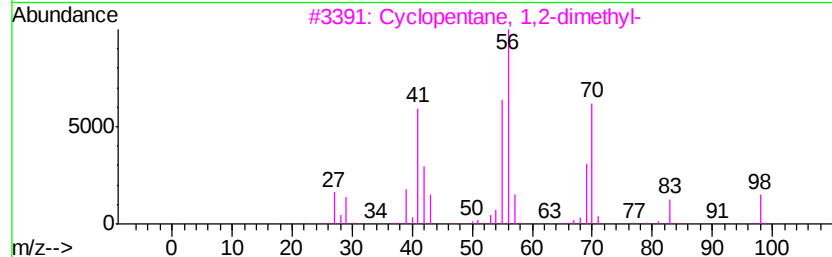
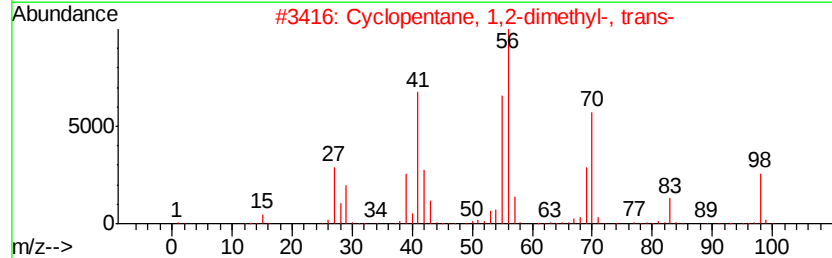
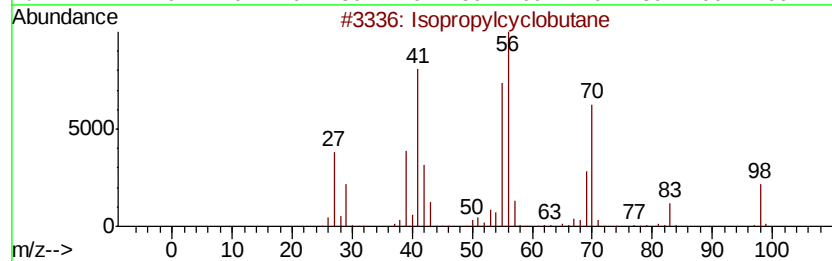
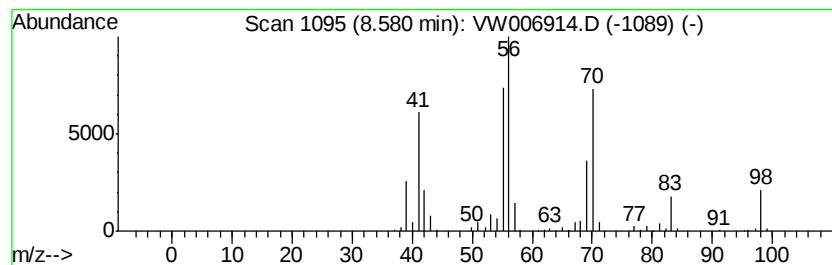
Instrument :
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ClientSampled :
ETOA7

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis

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

Peak Number 6 (DEL) Alkane: Cyclic8.58 Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.	
8.58	16.22 ug/L	270554	1,4-Difluorobenzene	8.85	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropylcyclobutane	98	C7H14	000872-56-0	94
2	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	91
3	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	91
4	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	90
5	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOA7

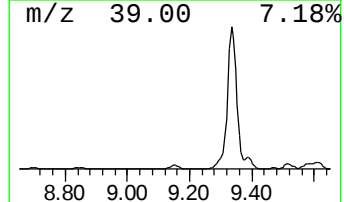
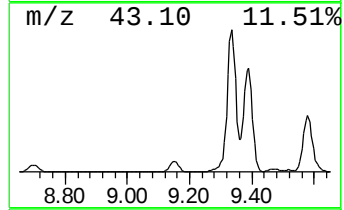
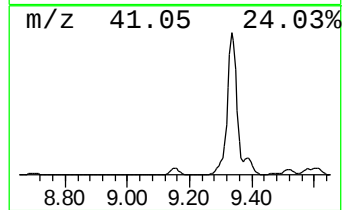
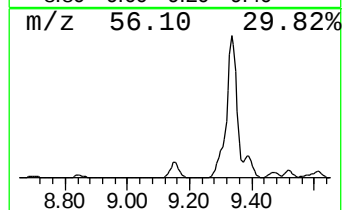
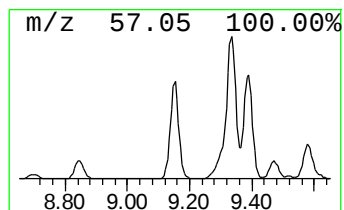
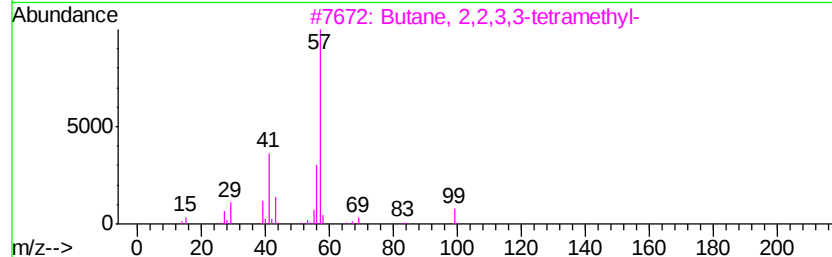
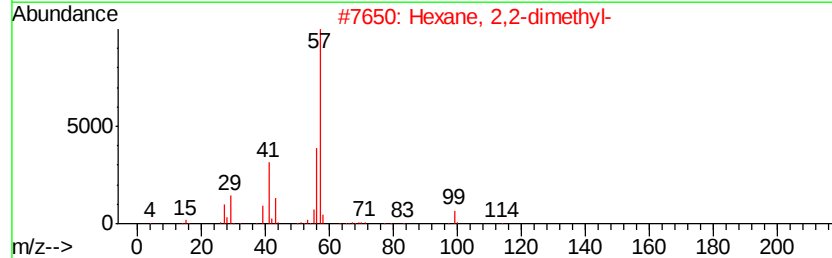
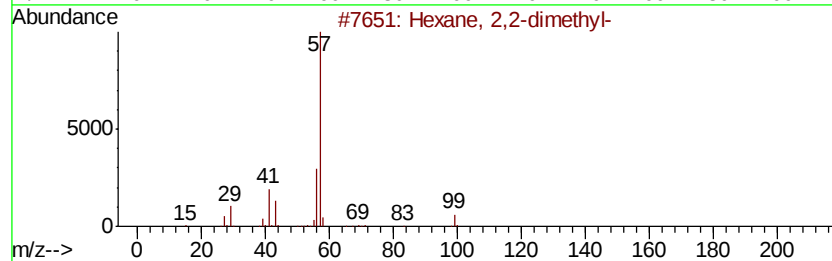
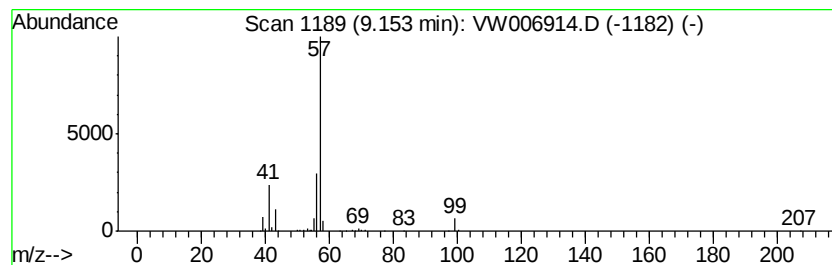
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Quant Title : VOC Analysis

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

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 73

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.15	9.68 ug/L	161579	1,4-Difluorobenzene	8.85

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2-dimethyl-			114	C8H18	000590-73-8	78
2	Hexane, 2,2-dimethyl-			114	C8H18	000590-73-8	72
3	Butane, 2,2,3,3-tetramethyl-			114	C8H18	000594-82-1	72
4	Butane, 2,2,3,3-tetramethyl-			114	C8H18	000594-82-1	72
5	Hexane, 2,2-dimethyl-			114	C8H18	000590-73-8	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOA7

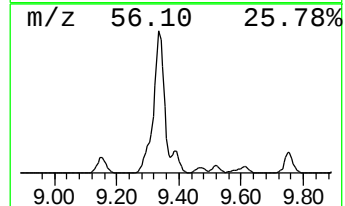
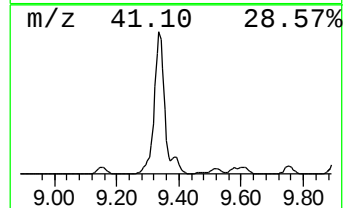
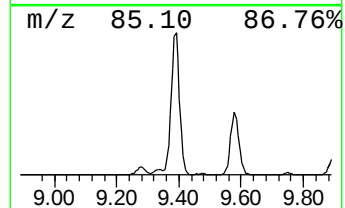
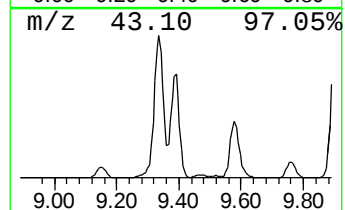
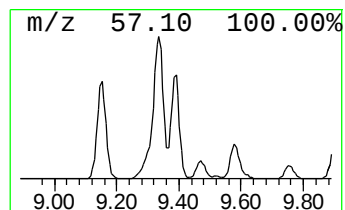
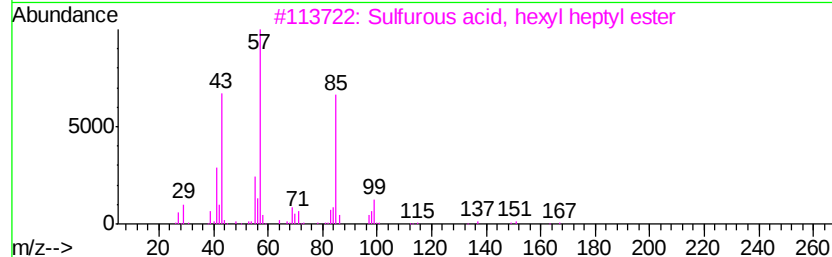
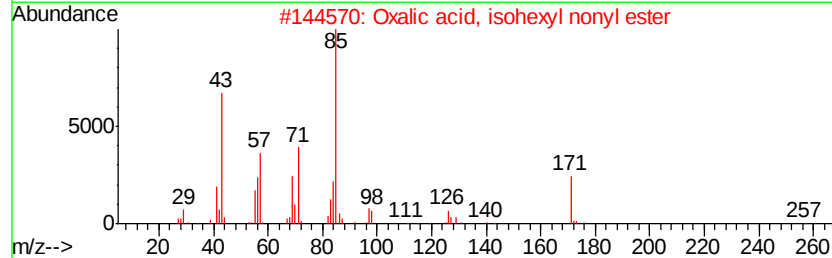
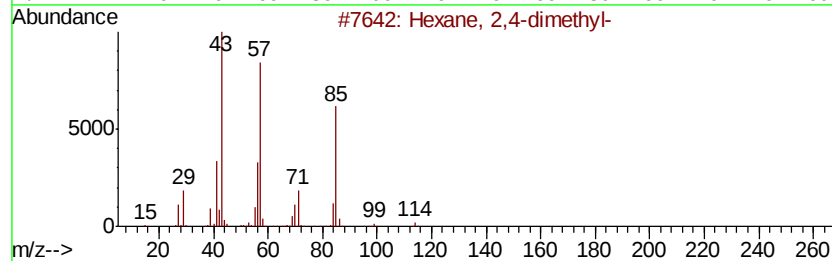
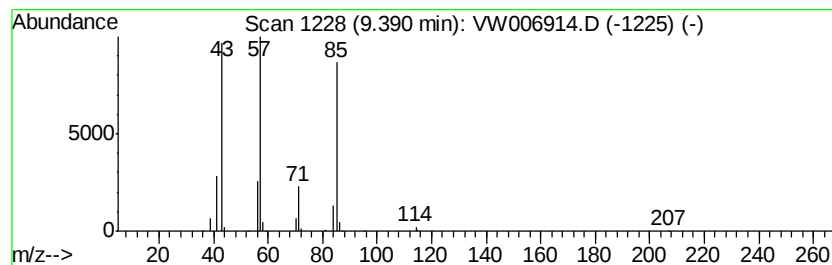
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Quant Title : VOC Analysis

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

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.39	22.71 ug/L	378869	1,4-Difluorobenzene	8.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	90
2		Oxalic acid, isohexyl nonyl ester	300	C17H32O4	1000309-33-2	64
3		Sulfurous acid, hexyl heptyl ester	264	C13H28O3S	1000309-12-9	64
4		Heptane, 2,4,6-trimethyl-	142	C10H22	002613-61-8	64
5		Sulfurous acid, butyl hexyl ester	222	C10H22O3S	1000309-17-3	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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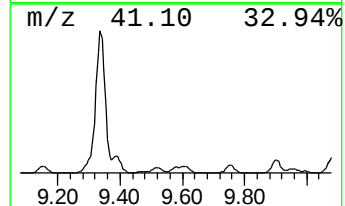
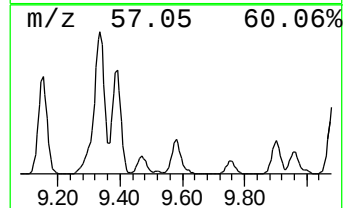
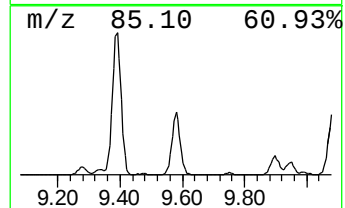
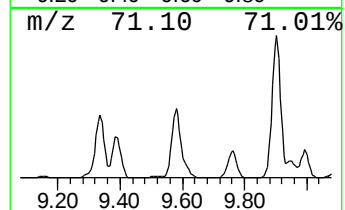
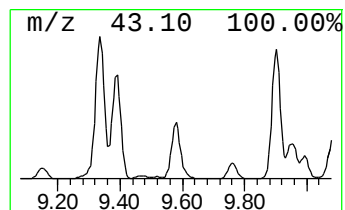
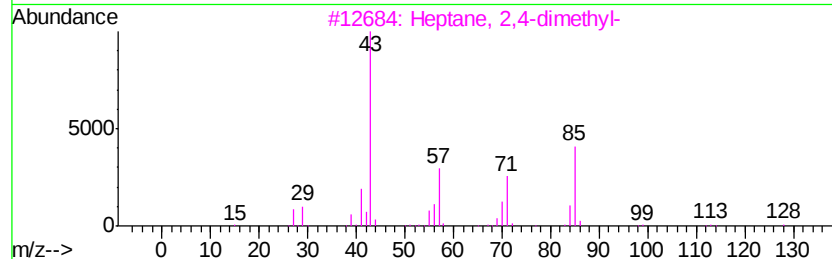
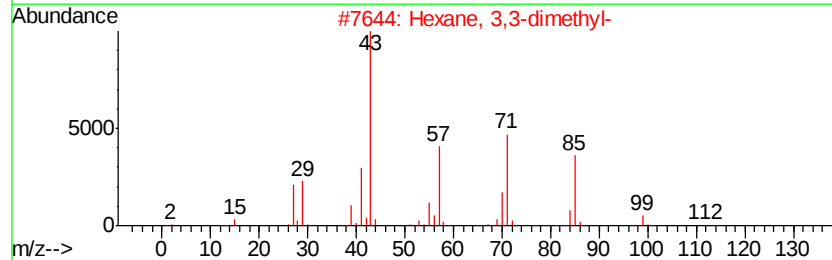
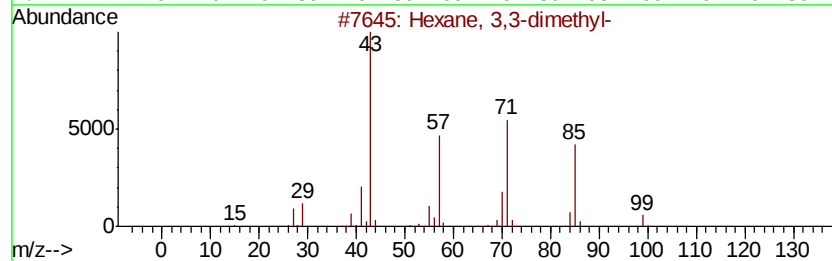
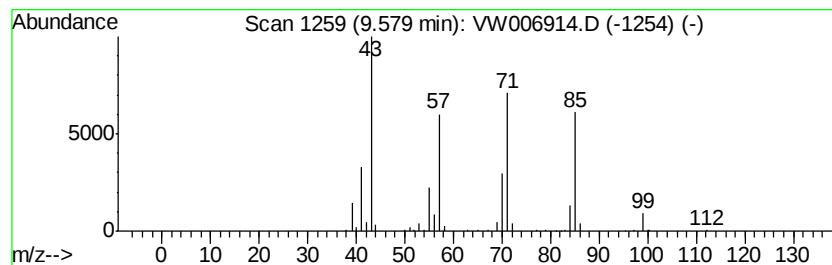
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Quant Title : VOC Analysis

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

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 72

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.58	10.43 ug/L	174074	1,4-Difluorobenzene	8.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	83
2		Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	72
3		Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	72
4		Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	64
5		Sulfurous acid, hexyl pentyl ester	236	C11H24O3S	1000309-14-1	56



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOA7

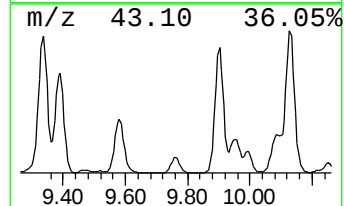
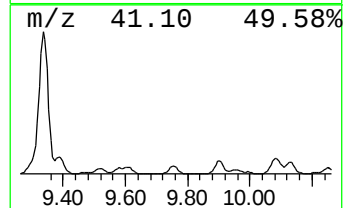
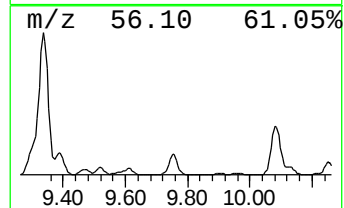
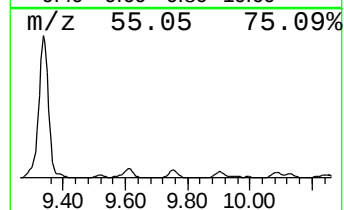
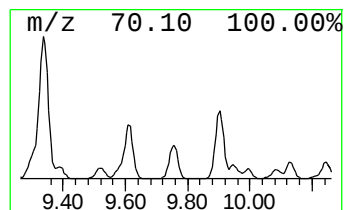
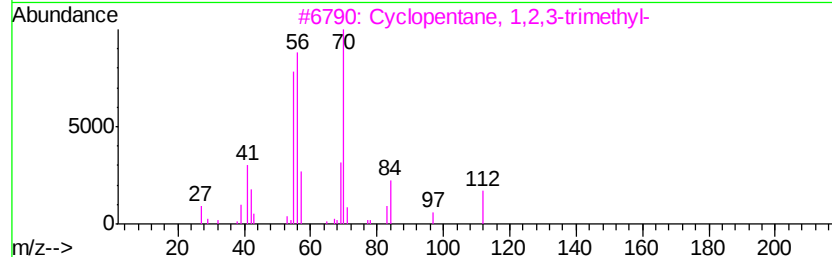
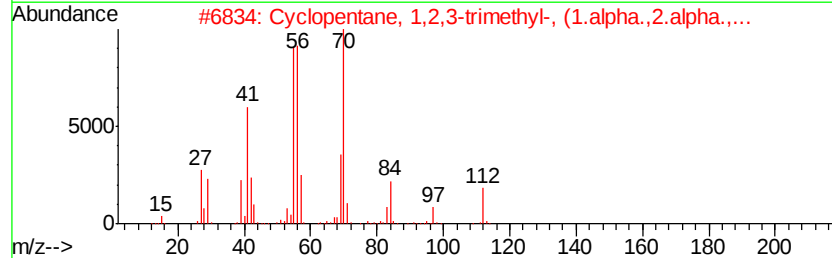
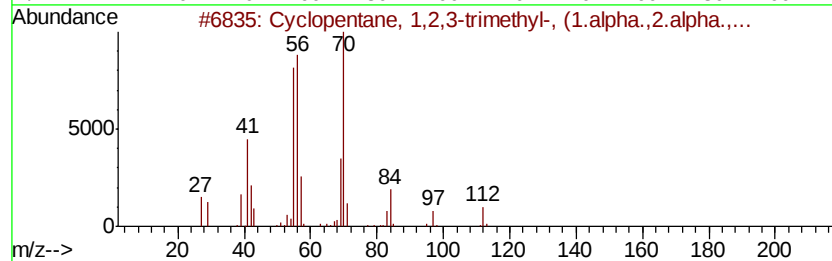
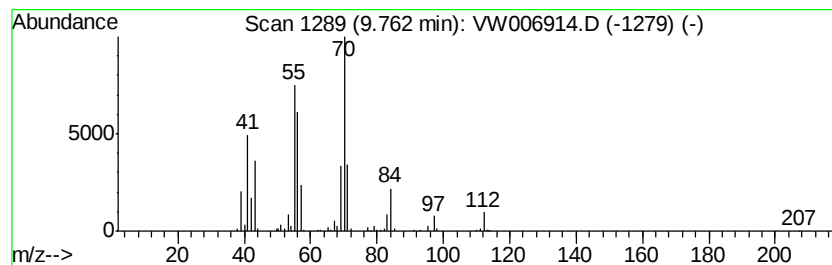
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Quant Title : VOC Analysis

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

Peak Number 10 (DEL) Alkane: Cyclic9.76 Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.76	15.29 ug/L	255183	1,4-Difluorobenzene	8.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	90
2		Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	90
3		Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002815-57-8	87
4		Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	72
5		Heptane, 3-methylene-	112	C8H16	001632-16-2	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOA7

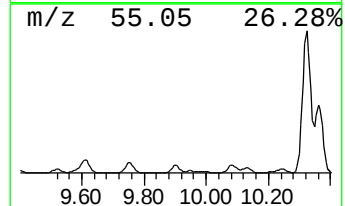
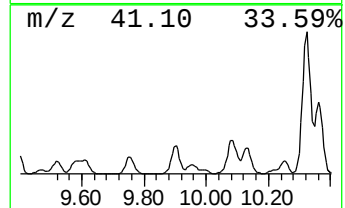
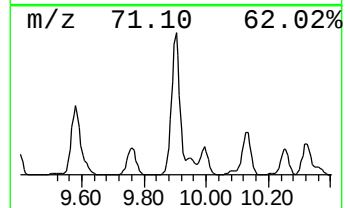
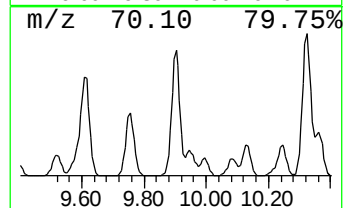
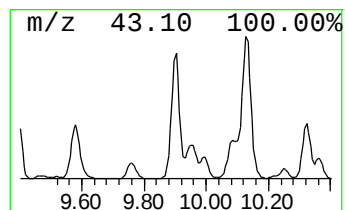
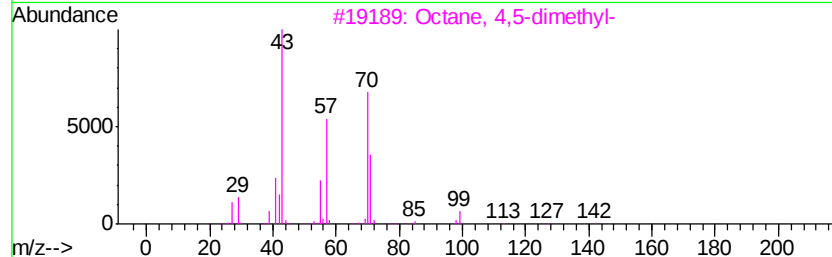
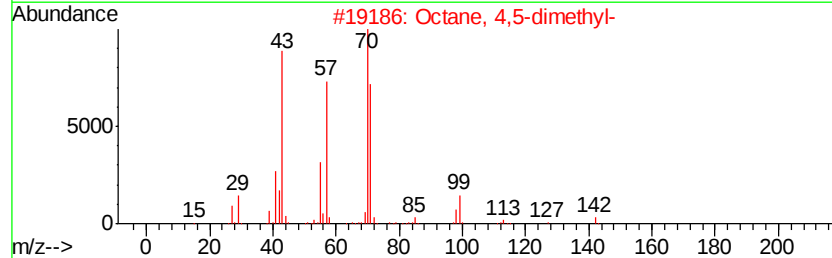
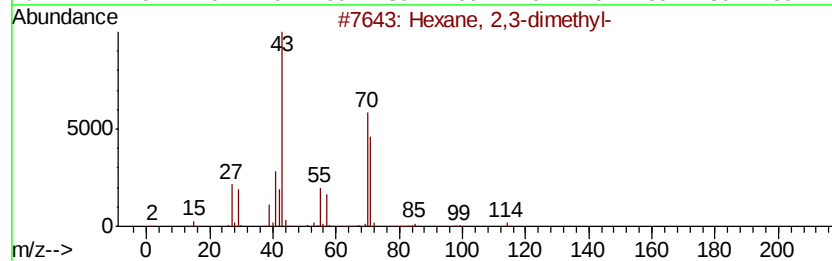
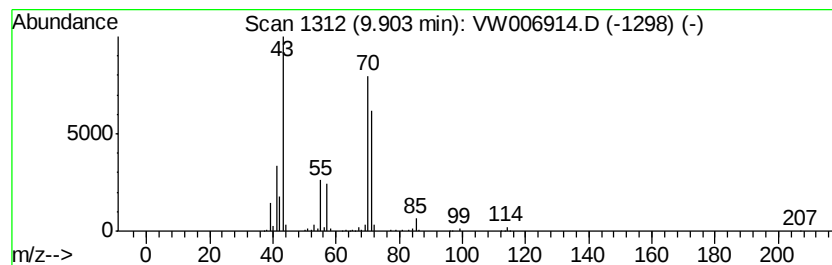
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Quant Title : VOC Analysis

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

Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.90	26.44 ug/L	441178	1,4-Difluorobenzene	8.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	91
2		Octane, 4,5-dimethyl-	142	C10H22	015869-96-2	83
3		Octane, 4,5-dimethyl-	142	C10H22	015869-96-2	83
4		Heptane, 4-methyl-	114	C8H18	000589-53-7	83
5		Heptane, 4-methyl-	114	C8H18	000589-53-7	78



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOA7

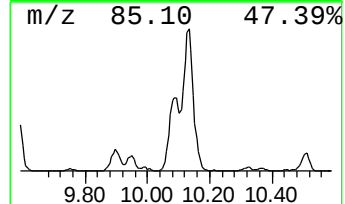
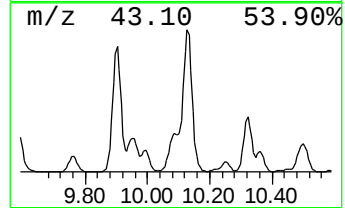
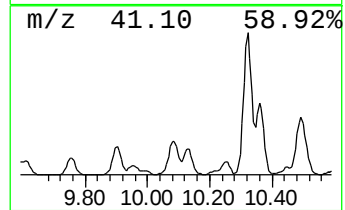
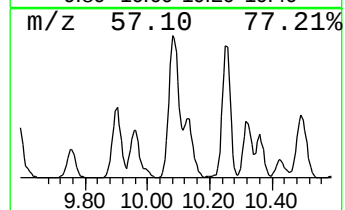
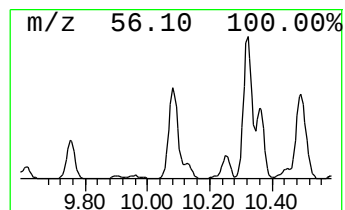
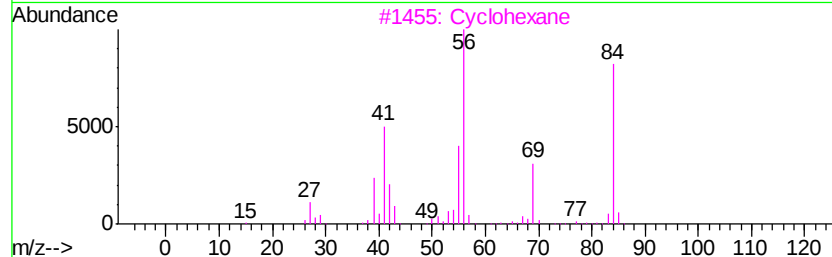
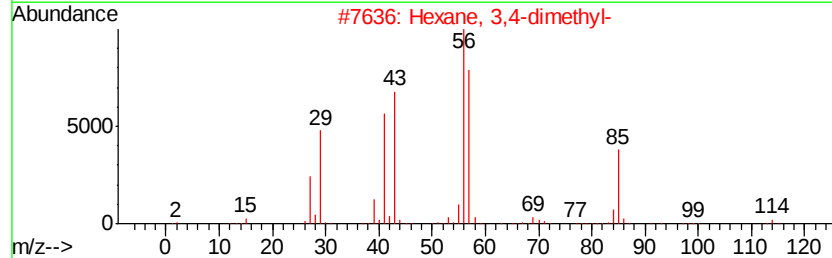
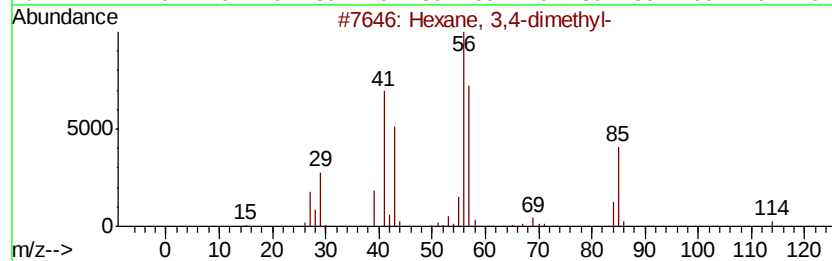
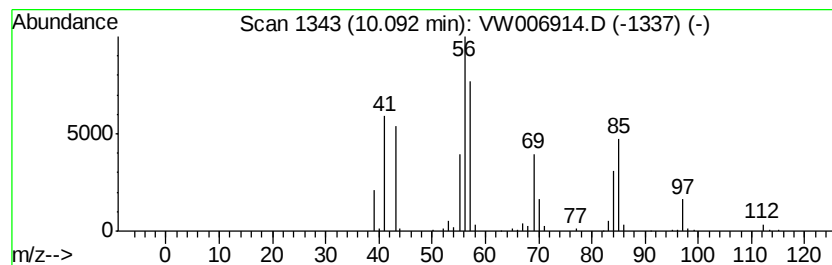
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Quant Title : VOC Analysis

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

Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.09	26.41 ug/L	440677	1,4-Difluorobenzene	8.85

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 3,4-dimethyl-	114	C8H18	000583-48-2	59
2			Hexane, 3,4-dimethyl-	114	C8H18	000583-48-2	59
3			Cyclohexane	84	C6H12	000110-82-7	49
4			Cyclohexane	84	C6H12	000110-82-7	47
5			1-Pentene, 2-methyl-	84	C6H12	000763-29-1	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
ETOA7

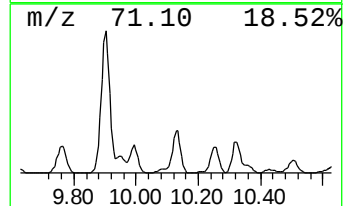
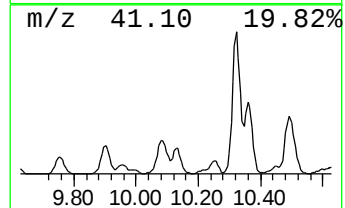
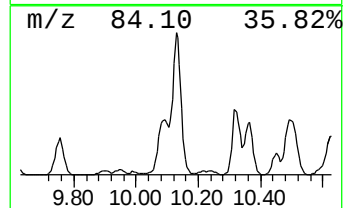
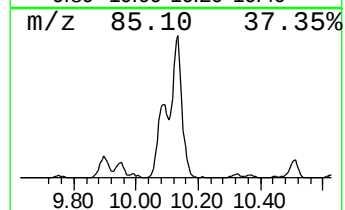
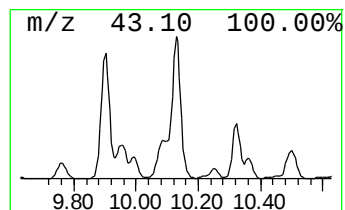
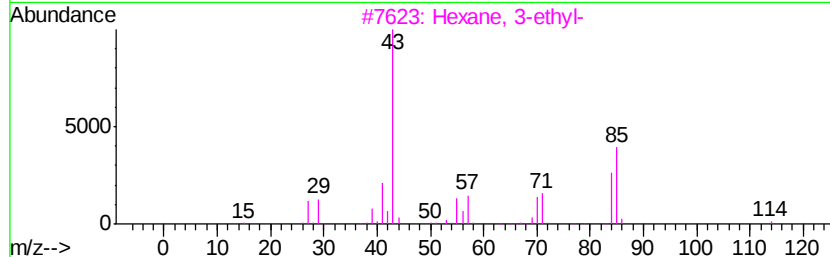
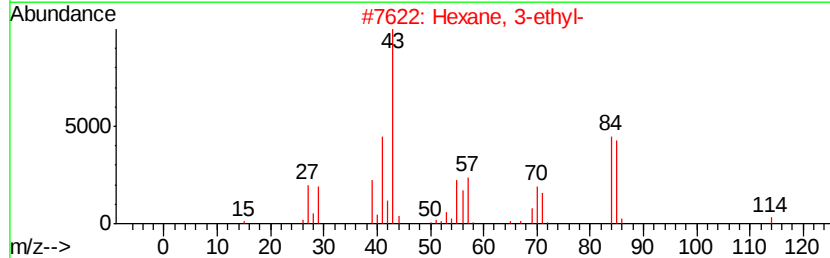
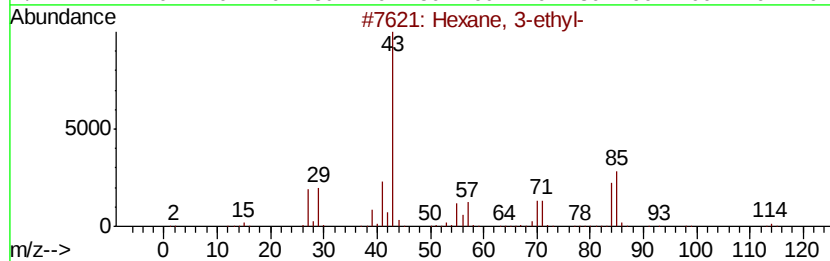
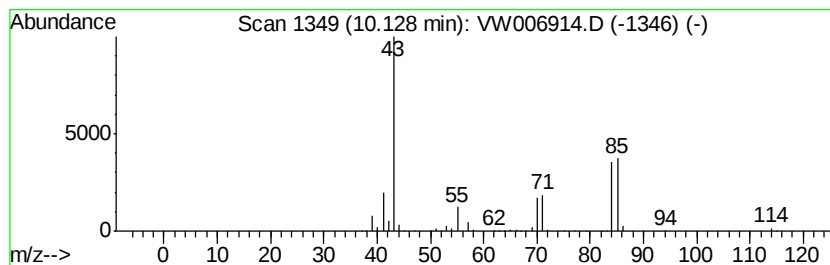
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Quant Title : VOC Analysis

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

Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.13	22.69 ug/L	378648	1,4-Difluorobenzene	8.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexane, 3-ethyl-	114	C8H18	000619-99-8	86
2		Hexane, 3-ethyl-	114	C8H18	000619-99-8	78
3		Hexane, 3-ethyl-	114	C8H18	000619-99-8	64
4		Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	64
5		Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOA7

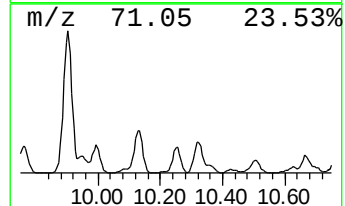
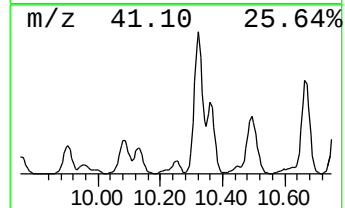
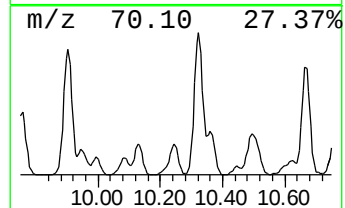
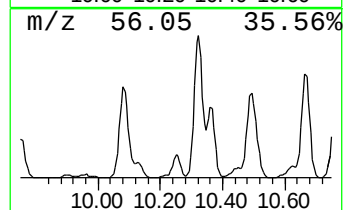
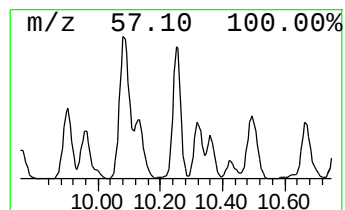
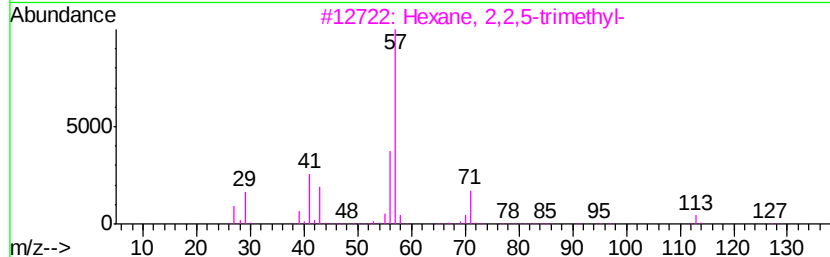
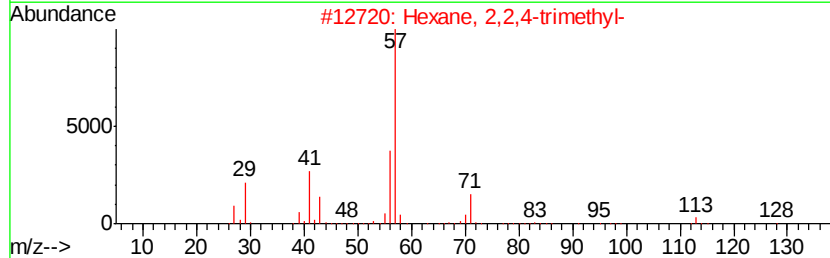
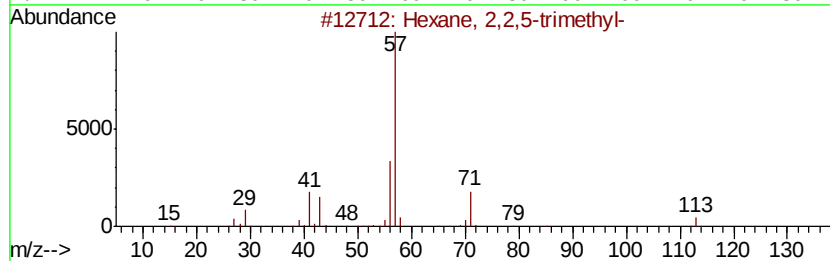
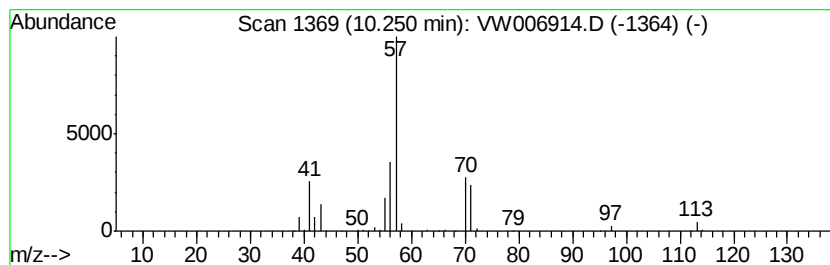
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Quant Title : VOC Analysis

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

Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 77

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.25	6.15 ug/L	150086	Chlorobenzene-d5	11.63

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2,5-trimethyl-			128	C9H20	003522-94-9	59
2	Hexane, 2,2,4-trimethyl-			128	C9H20	016747-26-5	53
3	Hexane, 2,2,5-trimethyl-			128	C9H20	003522-94-9	45
4	Hexane, 2,2,5-trimethyl-			128	C9H20	003522-94-9	45
5	Hexane, 2,2,4-trimethyl-			128	C9H20	016747-26-5	45



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

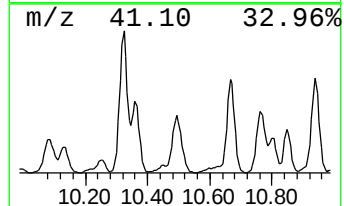
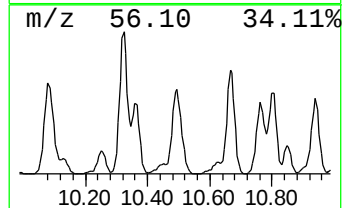
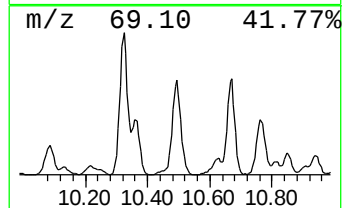
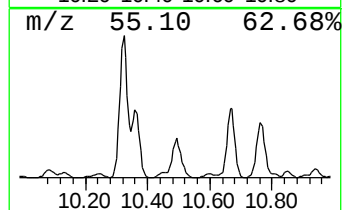
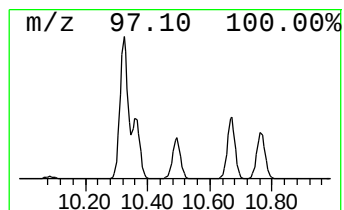
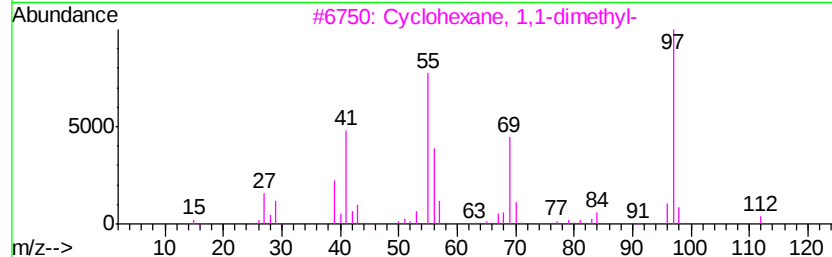
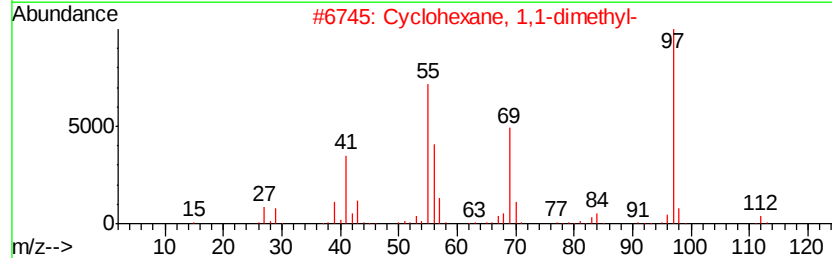
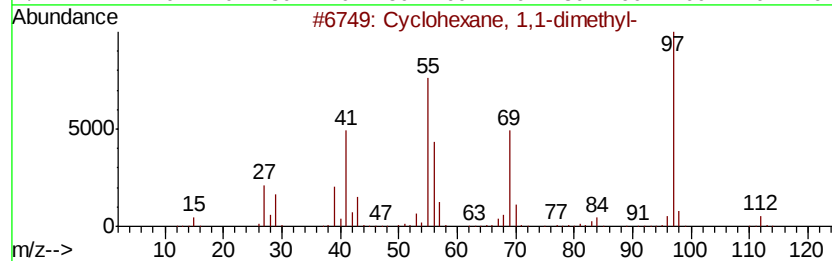
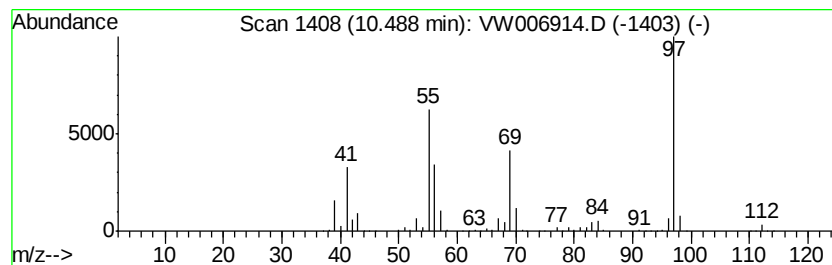
Instrument :
MSVOA_W
ClientSampleId :
ETOA7

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis

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

Peak Number 15 (DEL) Alkane: Cyclic10.49 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.		
10.49	39.64 ug/L	967329	Chlorobenzene-d5	11.63		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cvclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	97
2		Cvclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	97
3		Cvclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	70
4		Cvclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	64
5		Cvclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOA7

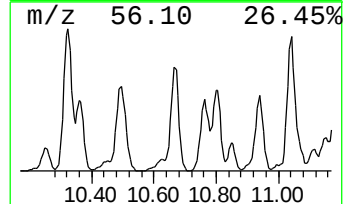
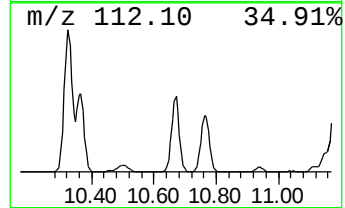
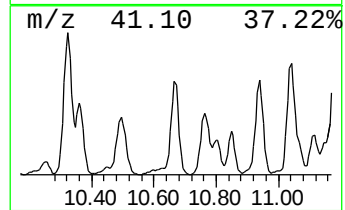
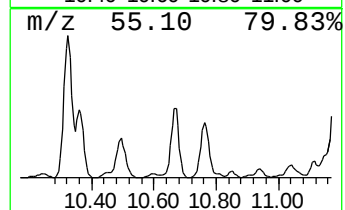
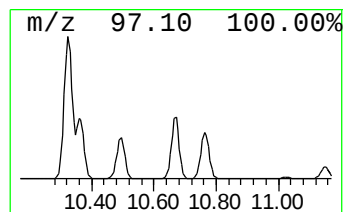
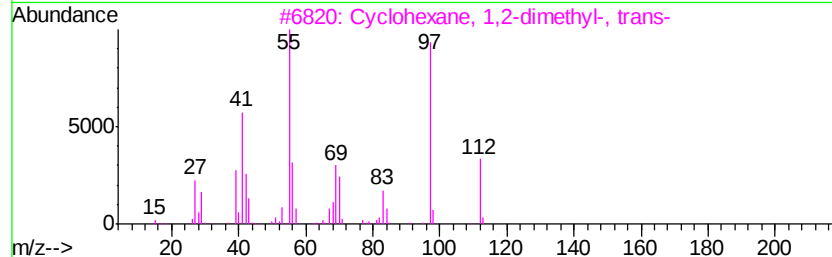
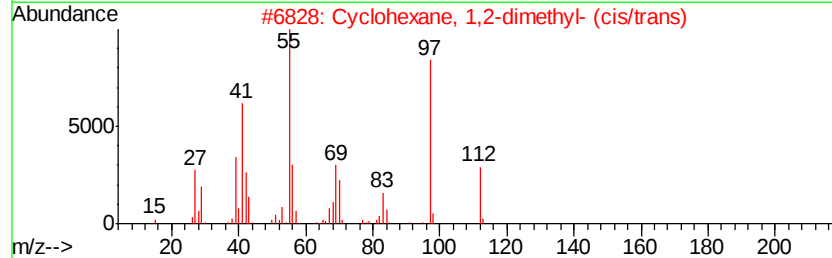
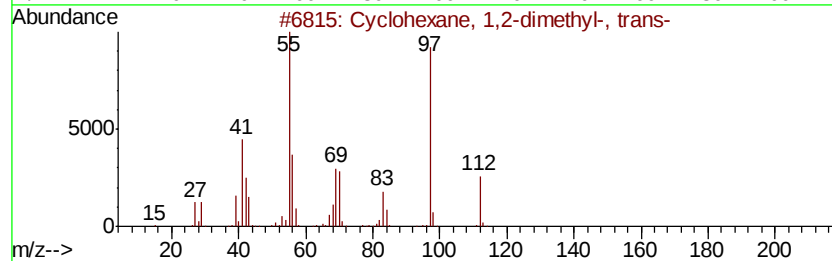
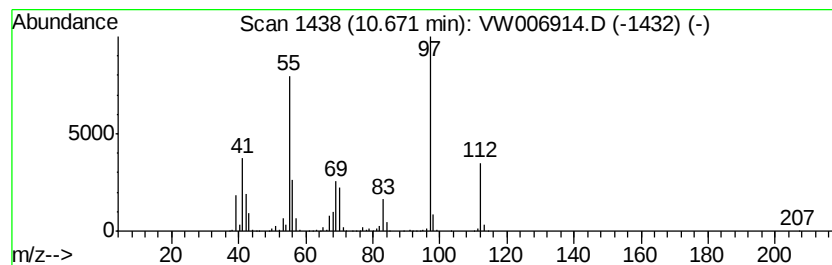
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Quant Title : VOC Analysis

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

Peak Number 16 (DEL) Alkane: Cyclic10.67 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.67	54.02 ug/L	1318350	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	90
3		Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	90
4		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	90
5		Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOA7

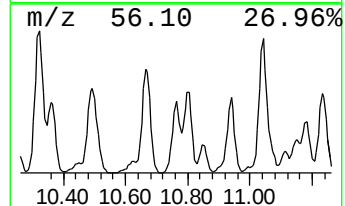
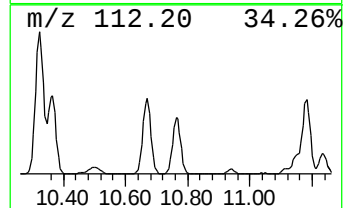
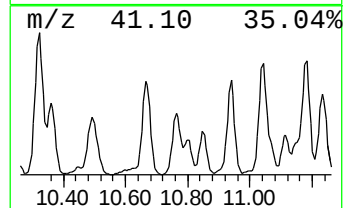
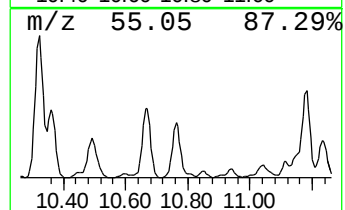
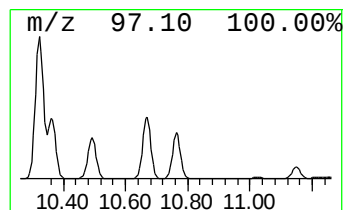
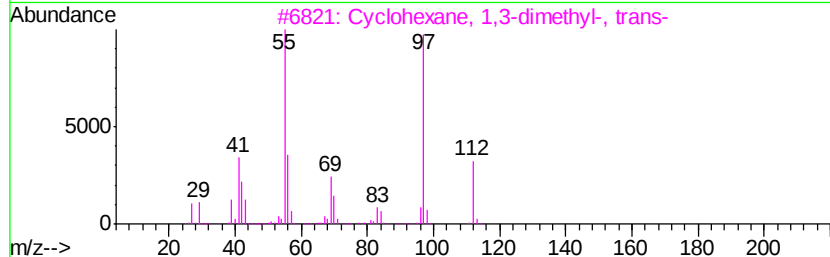
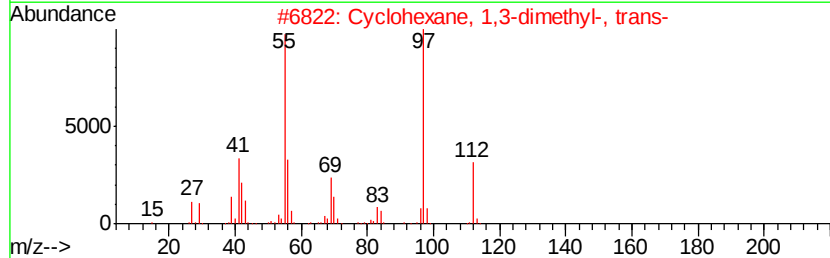
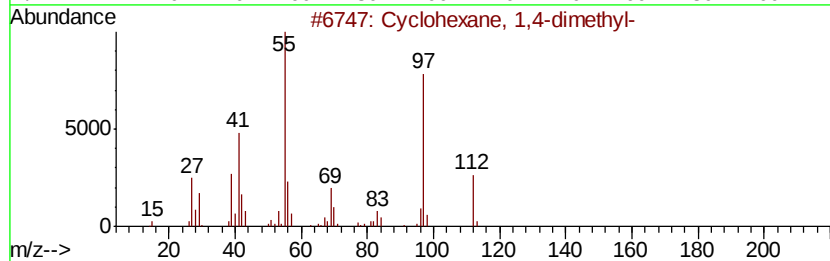
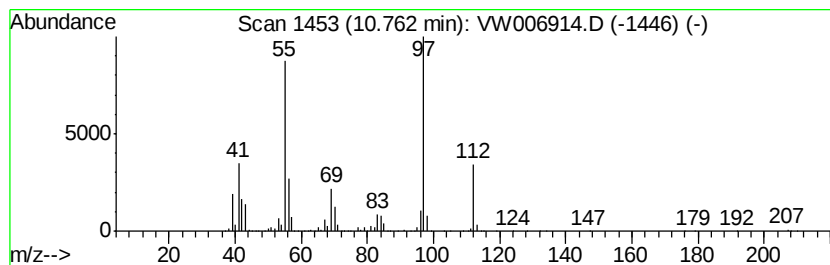
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Quant Title : VOC Analysis

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

Peak Number 17 (DEL) Alkane: Cyclic10.76 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	46.00 ug/L	1122670	Chlorobenzene-d5	11.63

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOA7

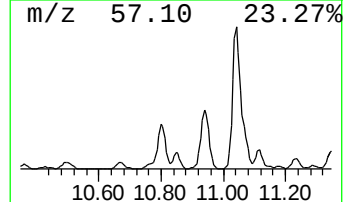
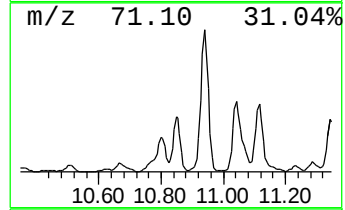
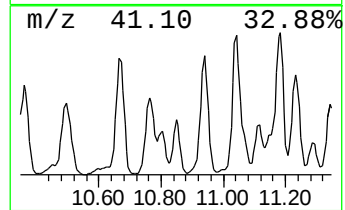
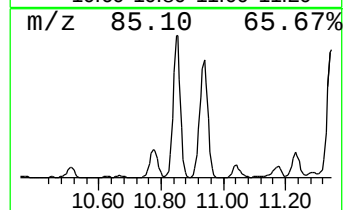
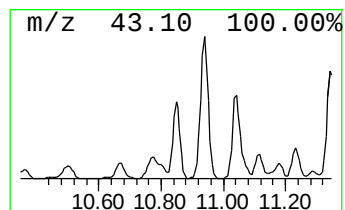
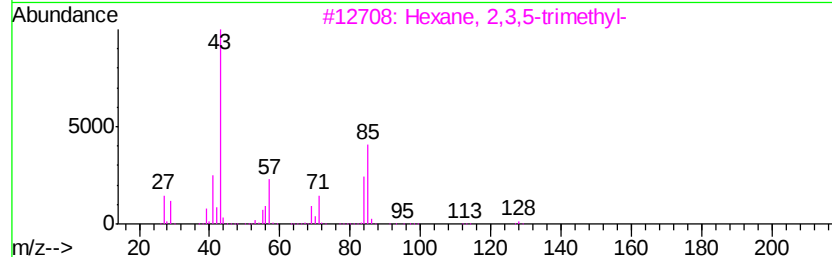
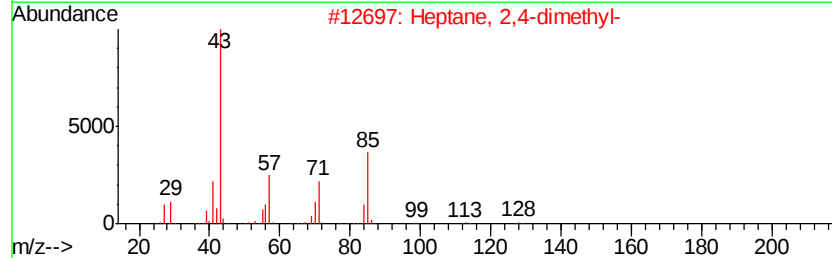
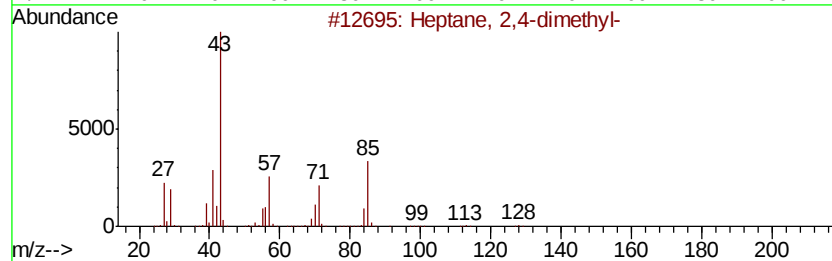
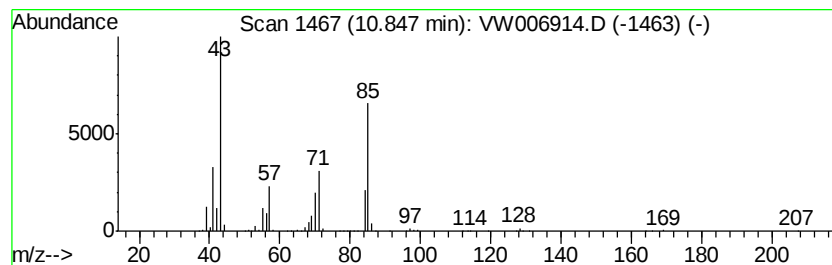
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Quant Title : VOC Analysis

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

Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.85	21.10 ug/L	514971	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	87
2		Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	83
3		Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	58
4		Octane, 4-methyl-	128	C9H20	002216-34-4	58
5		Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOA7

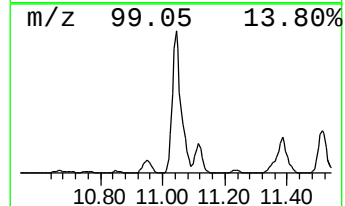
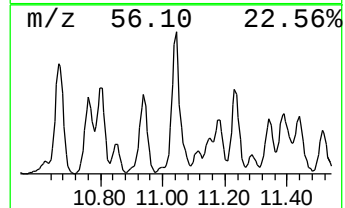
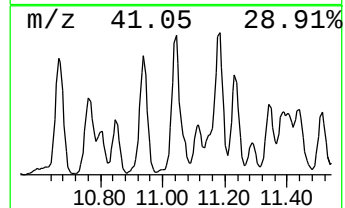
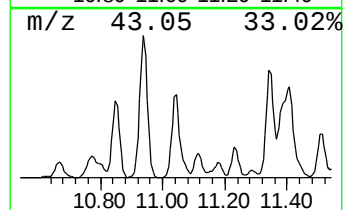
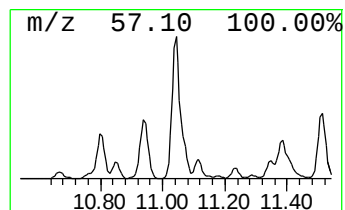
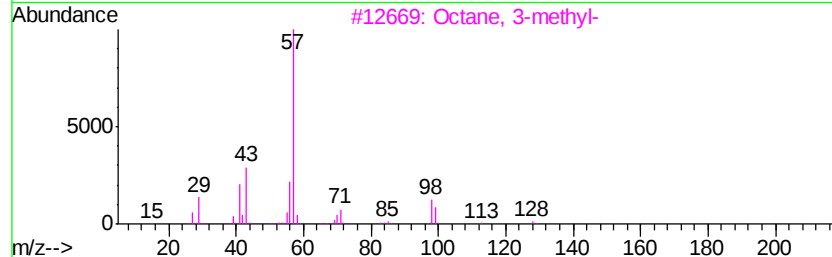
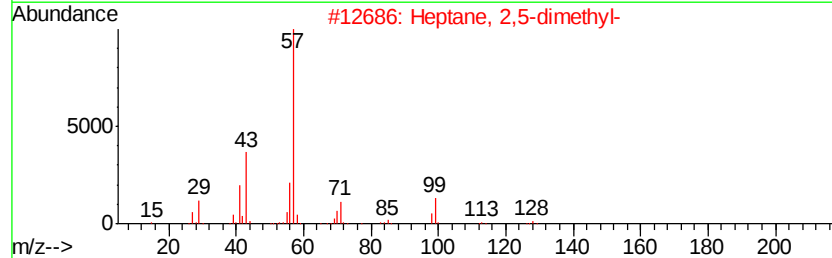
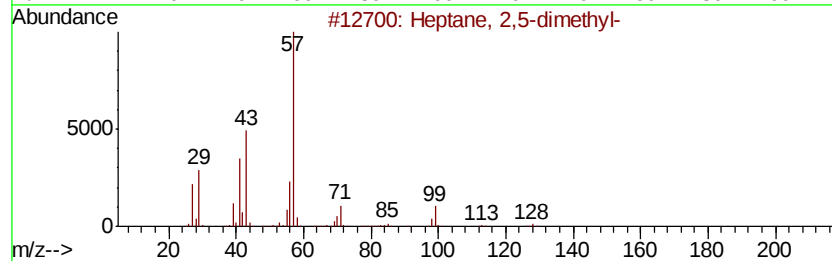
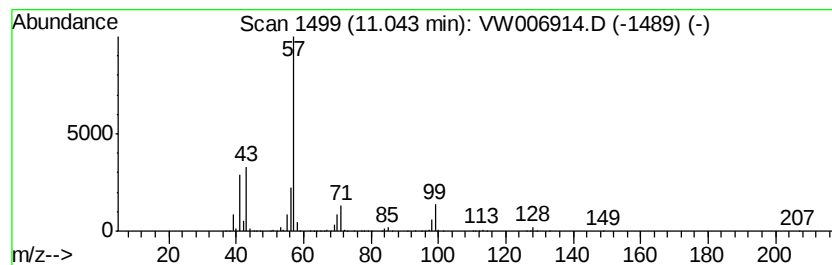
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Quant Title : VOC Analysis

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

Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.04	58.54 ug/L	1428660	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	91
2		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	91
3		Octane, 3-methyl-	128	C9H20	002216-33-3	90
4		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	87
5		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOA7

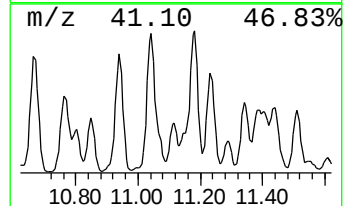
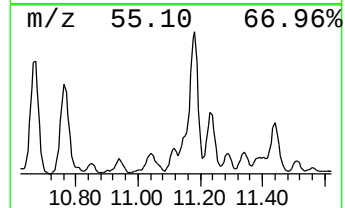
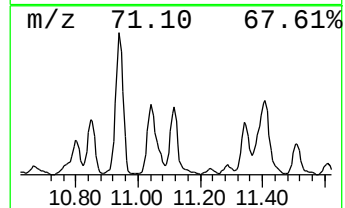
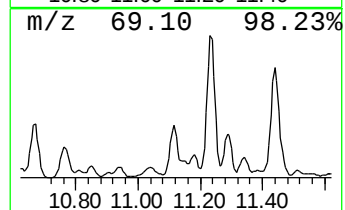
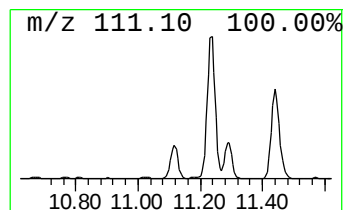
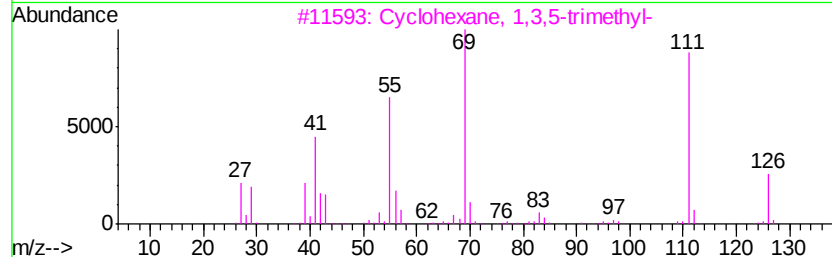
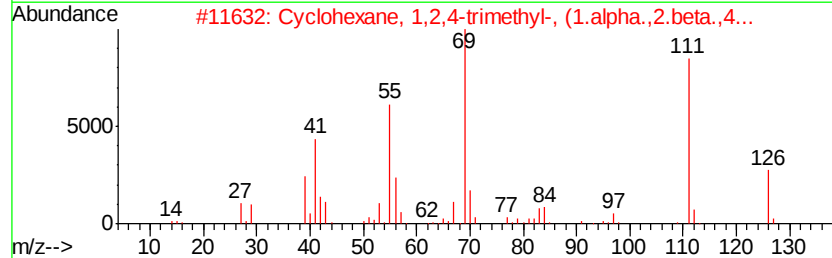
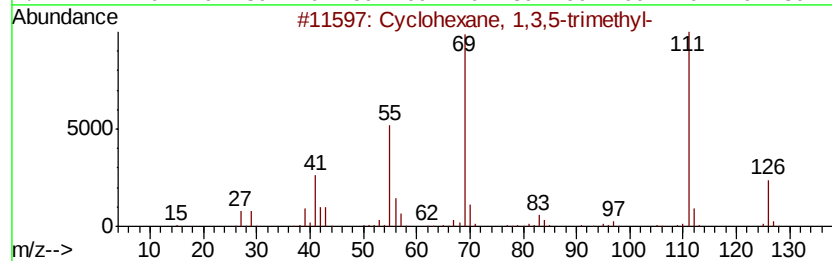
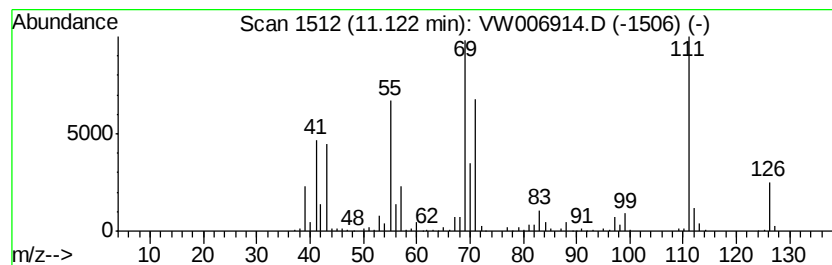
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Quant Title : VOC Analysis

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

Peak Number 20 (DEL) Alkane: Cyclic11.12 Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.12	24.78 ug/L	604726	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	94
2		Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	76
3		Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	76
4		Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	70
5		Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	70



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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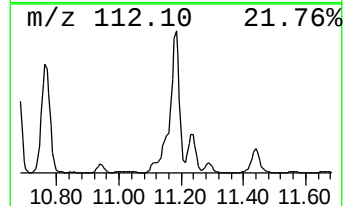
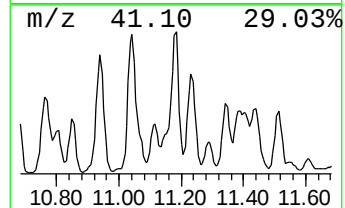
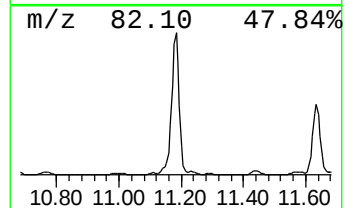
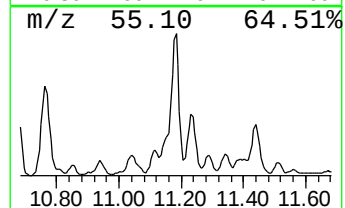
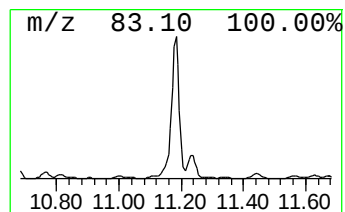
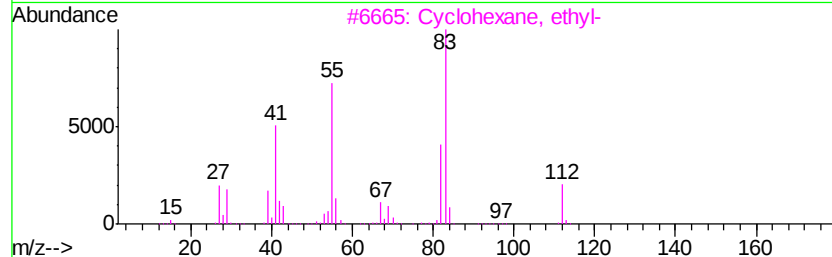
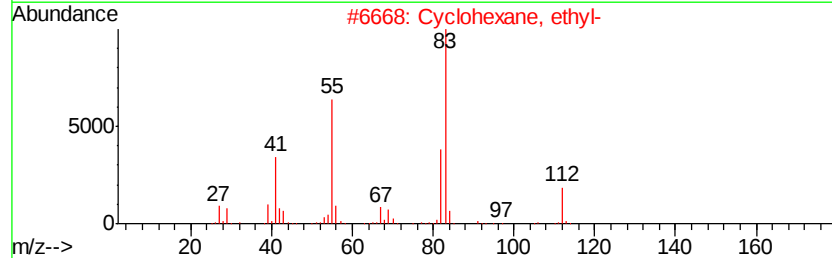
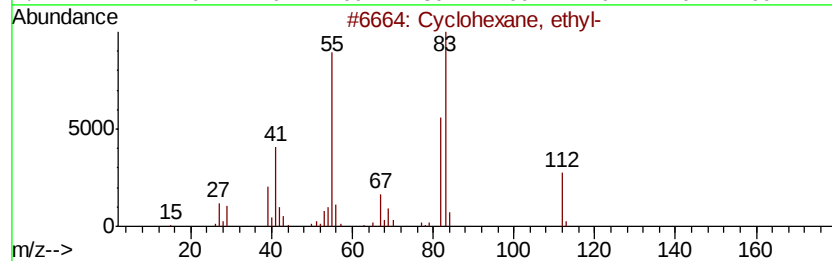
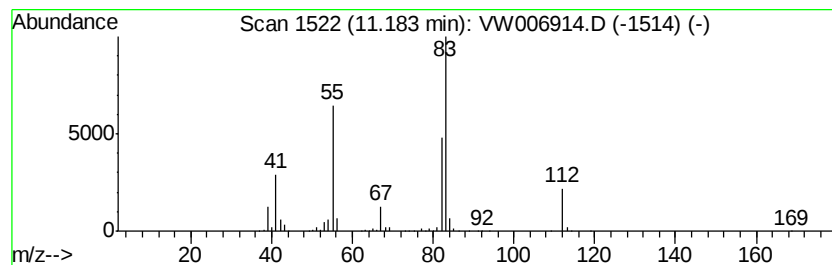
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Quant Title : VOC Analysis

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

Peak Number 21 (DEL) Alkane: Cyclic11.18 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.18	72.57 ug/L	1770930	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
2		Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
3		Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
4		(E)-4-Oxohex-2-enal	112	C6H8O2	1000374-04-2	58
5		2-Pentene, 3-ethyl-2-methyl-	112	C8H16	019780-67-7	58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOA7

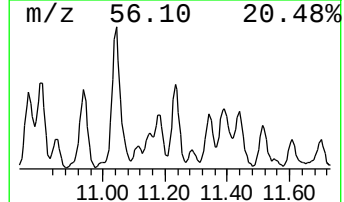
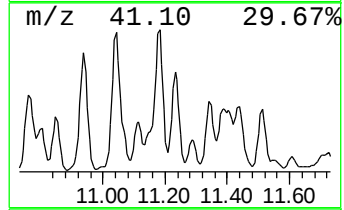
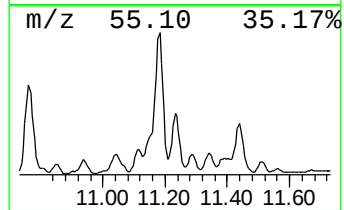
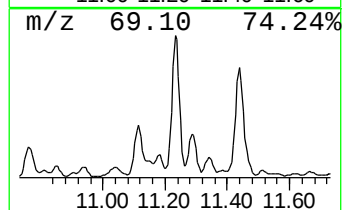
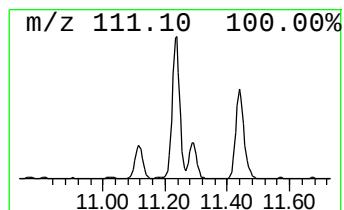
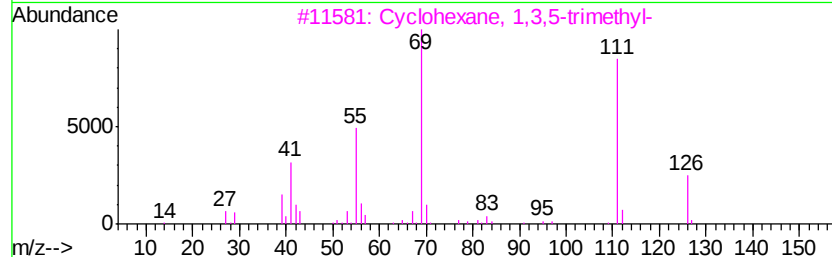
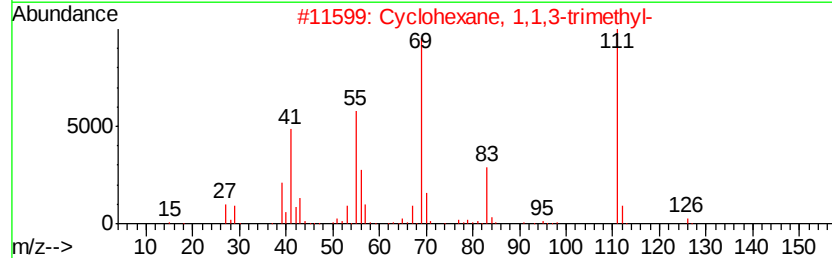
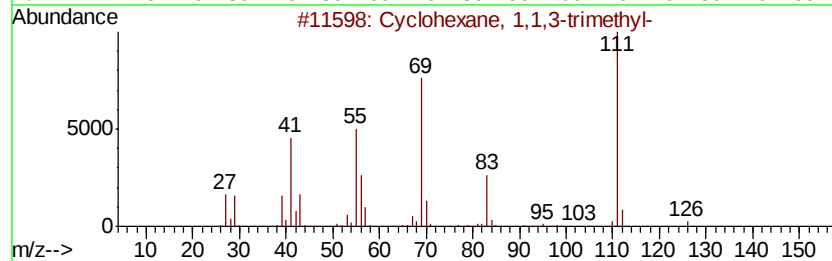
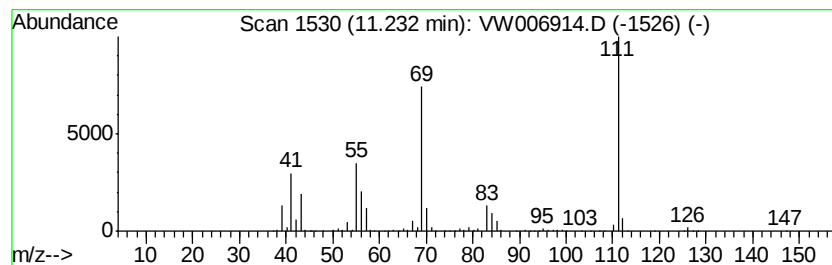
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Quant Title : VOC Analysis

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

Peak Number 22 (DEL) Alkane: Cyclic11.23 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	48.39 ug/L	1180920	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
2		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	78
3		Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	64
4		Cyclooctane, butyl-	168	C12H24	016538-93-5	64
5		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	62



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOA7

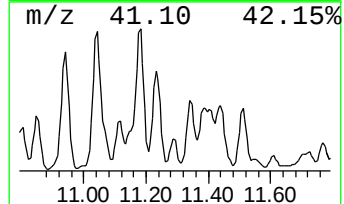
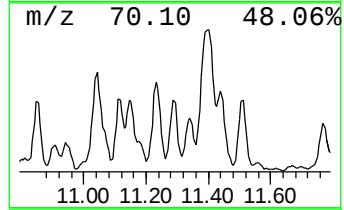
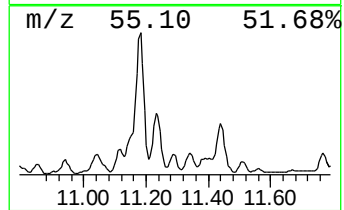
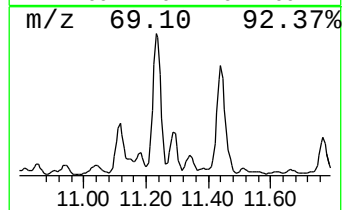
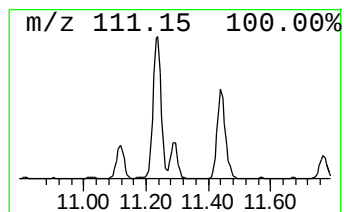
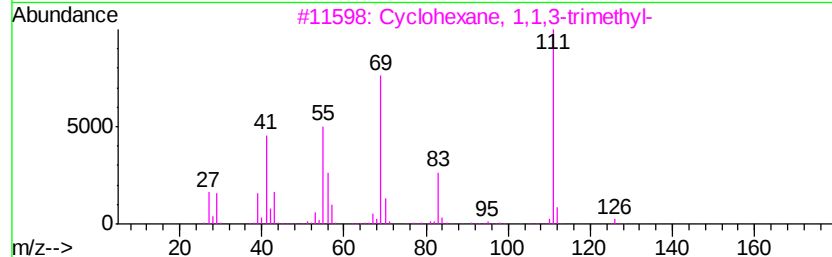
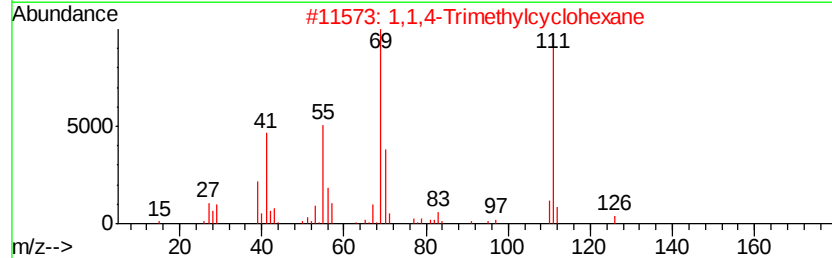
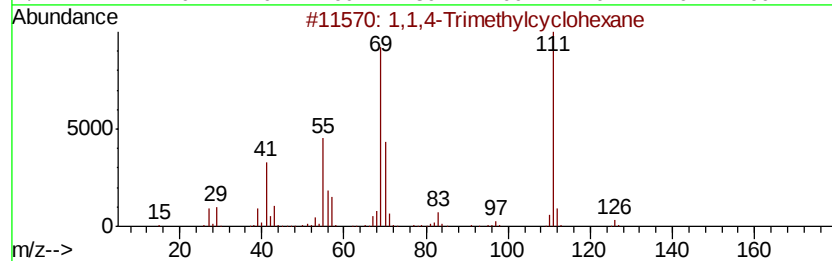
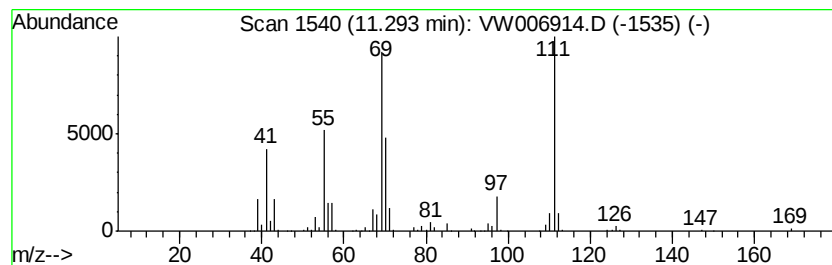
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Quant Title : VOC Analysis

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

Peak Number 23 (DEL) Alkane: Cyclic11.29 Concentration Rank 70

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.29	14.39 ug/L	351070	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	72
2		1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	64
3		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	53
4		3-Isopropyl-5-methyl-hex-4-en-2-one	154	C10H18O	077142-85-9	53
5		Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOA7

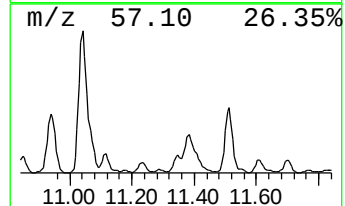
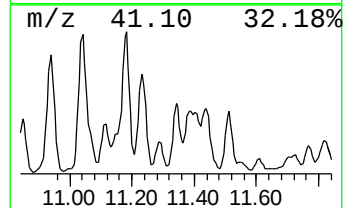
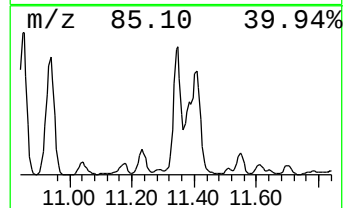
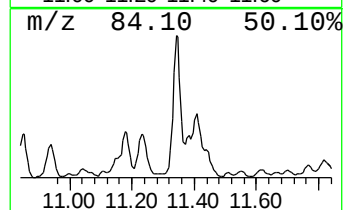
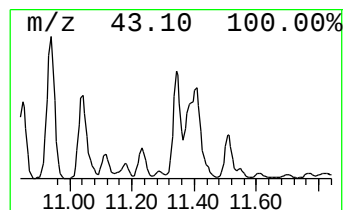
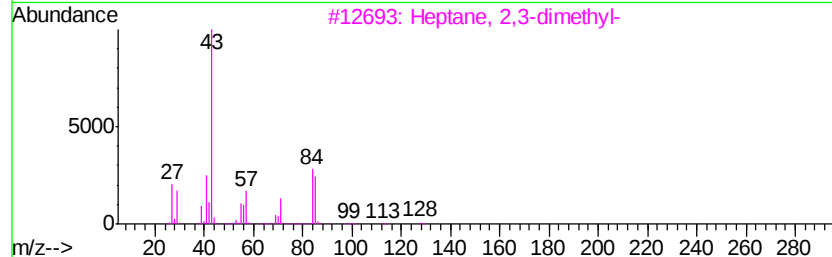
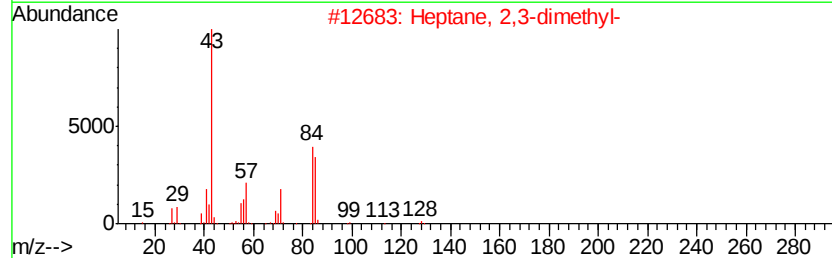
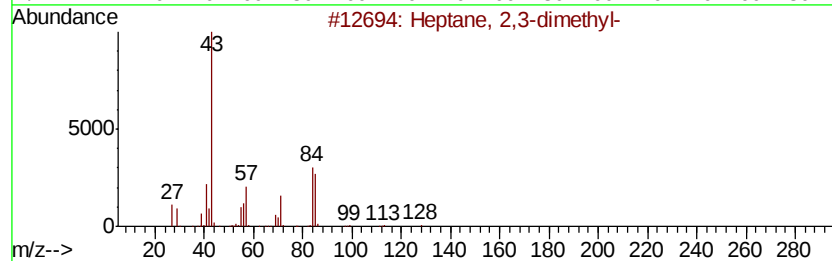
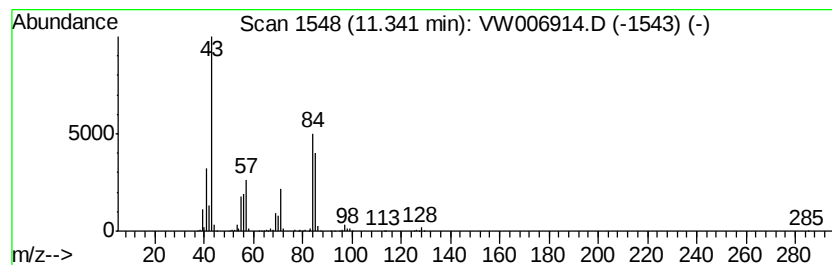
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Quant Title : VOC Analysis

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

Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.34	32.20 ug/L	785750	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	81
2		Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	81
3		Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	68
4		Hexane, 3-ethyl-2-methyl-	128	C9H20	016789-46-1	64
5		Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOA7

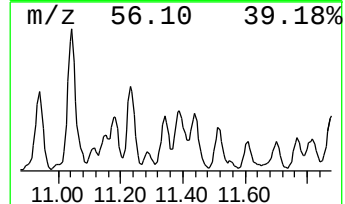
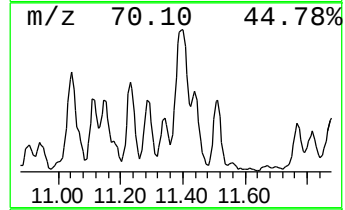
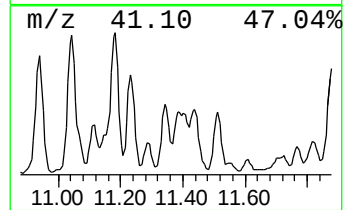
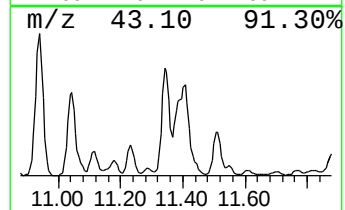
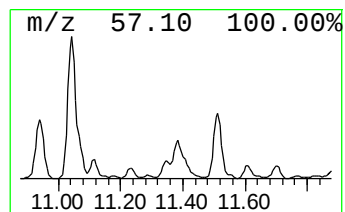
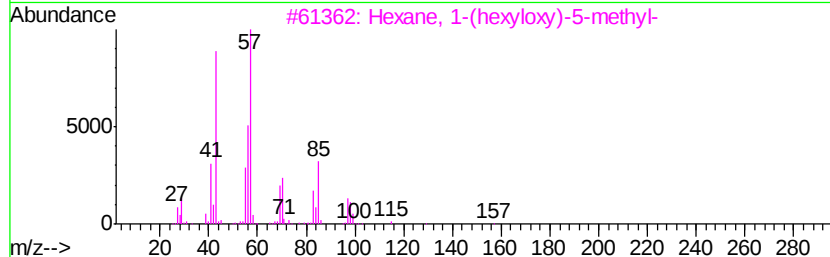
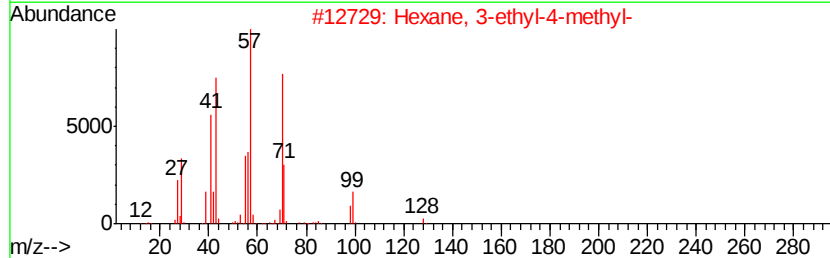
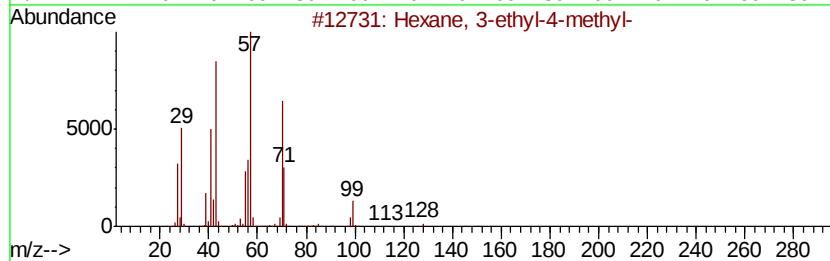
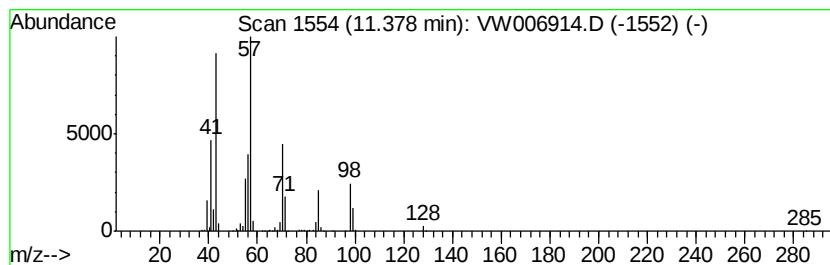
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Quant Title : VOC Analysis

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

Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.38	24.01 ug/L	586011	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexane, 3-ethyl-4-methyl-	128	C9H20	003074-77-9	64
2		Hexane, 3-ethyl-4-methyl-	128	C9H20	003074-77-9	58
3		Hexane, 1-(hexvloxv)-5-methyl-	200	C13H28O	074421-19-5	47
4		Nonane, 4-methyl-	142	C10H22	017301-94-9	47
5		Nonane	128	C9H20	000111-84-2	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOA7

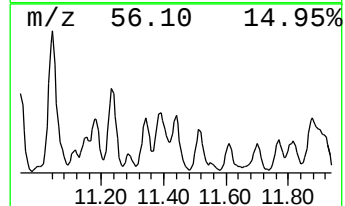
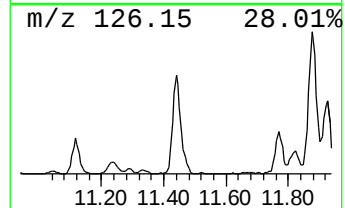
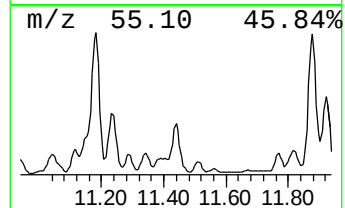
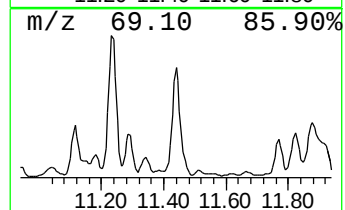
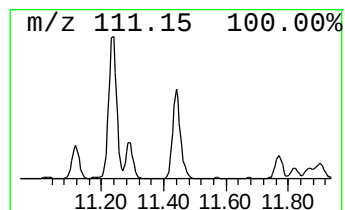
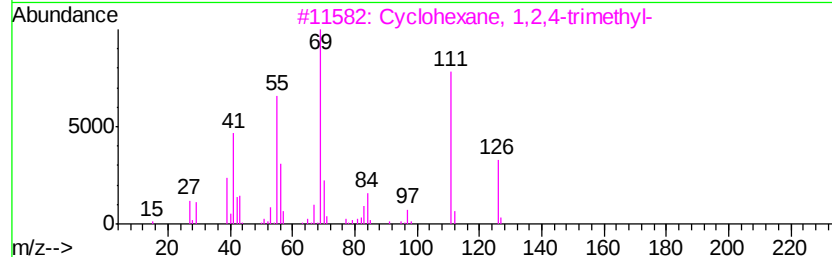
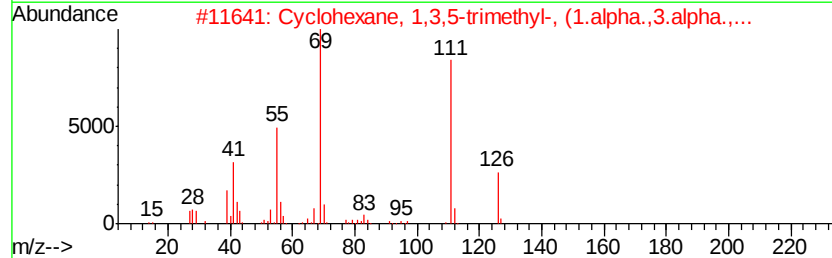
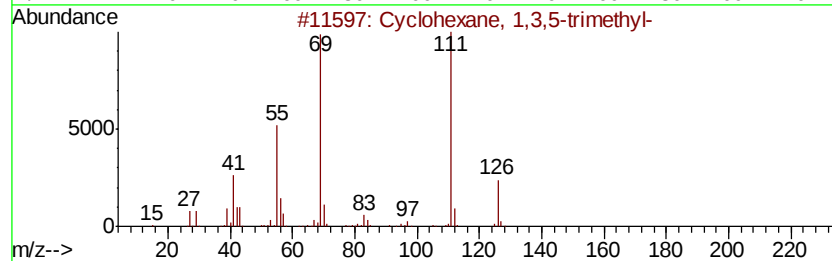
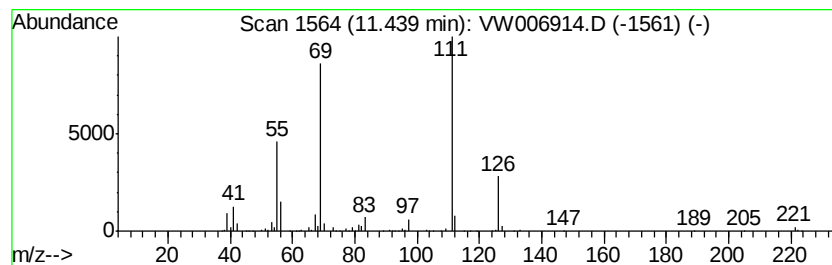
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Quant Title : VOC Analysis

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.44	34.64 ug/L	845324	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	91
2		Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	91
3		Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	91
4		Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	91
5		Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOA7

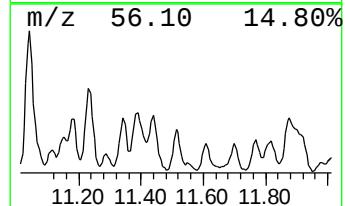
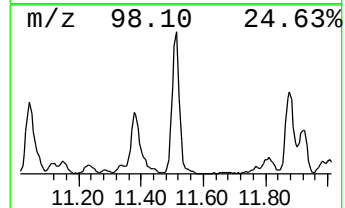
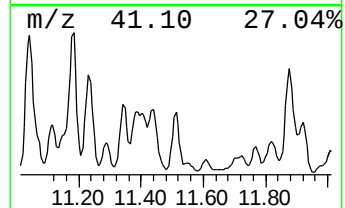
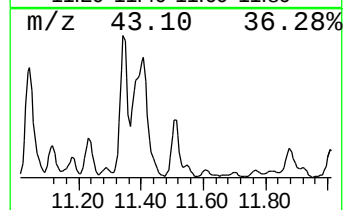
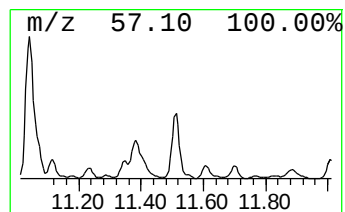
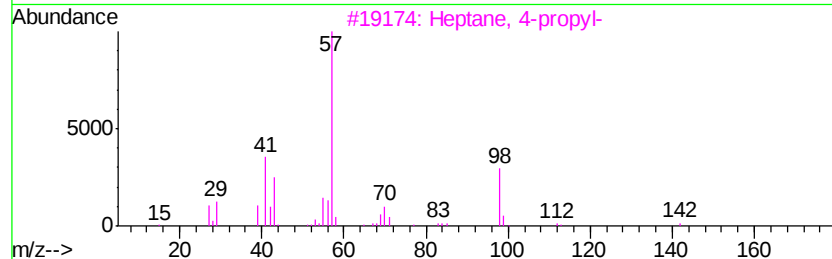
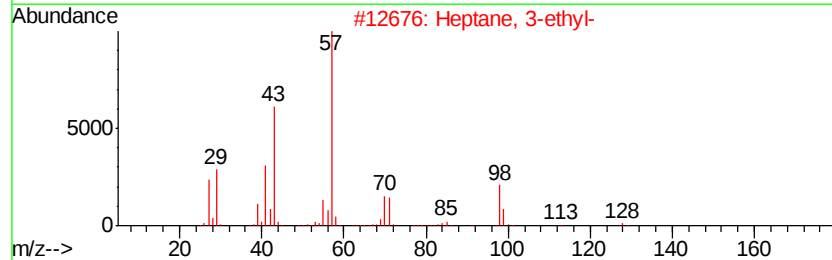
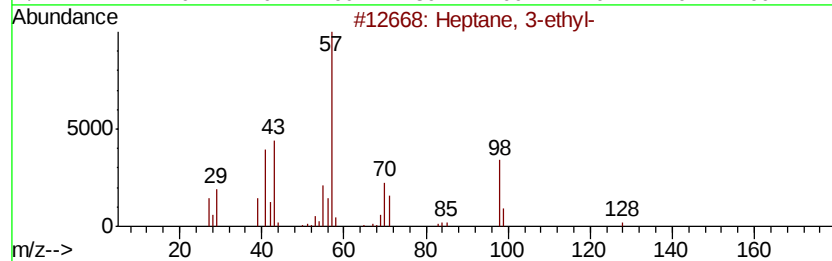
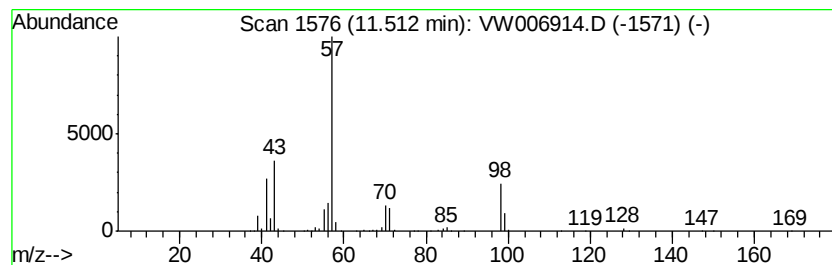
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Quant Title : VOC Analysis

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

Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.51	22.92 ug/L	559467	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 3-ethyl-	128	C9H20	015869-80-4	87
2		Heptane, 3-ethyl-	128	C9H20	015869-80-4	86
3		Heptane, 4-propyl-	142	C10H22	003178-29-8	78
4		Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	78
5		Heptane, 4-(1-methylethyl)-	142	C10H22	052896-87-4	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

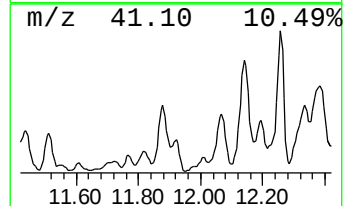
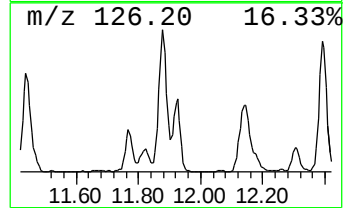
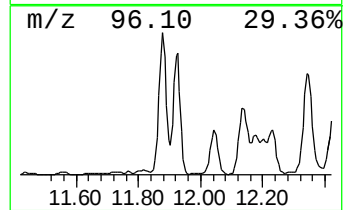
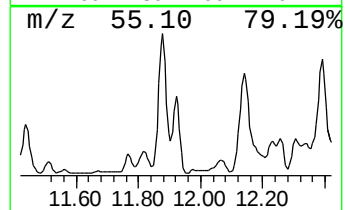
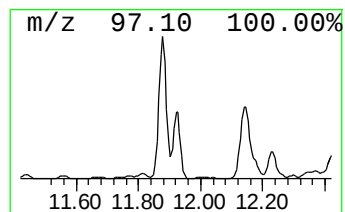
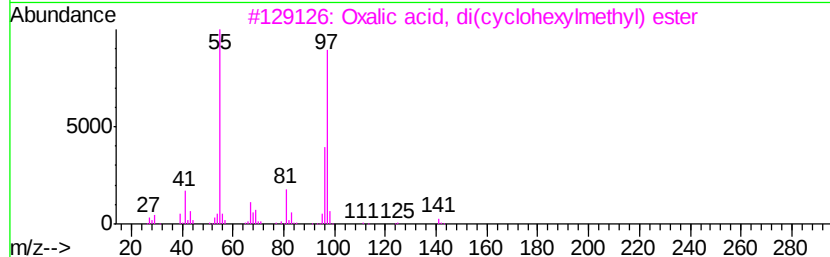
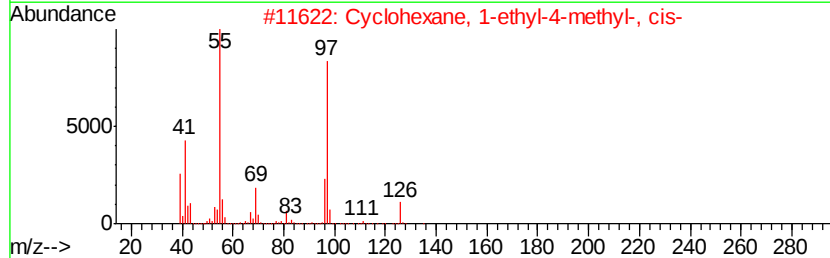
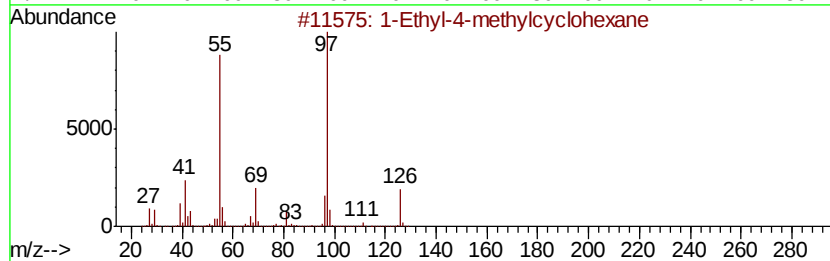
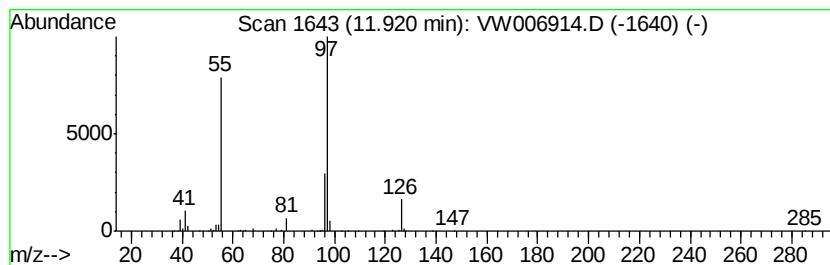
Instrument :
MSVOA_W
ClientSampleId :
ETOA7

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis

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

Peak Number 28 (DEL) Alkane: Cyclic11.92 Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.92	25.71 ug/L	627355	Chlorobenzene-d5	11.63		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	72
2		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	64
3		Oxalic acid, di(cyclohexylmethyl)...	282	C16H26O4	1000309-68-5	64
4		2-Hexene, 3,4,4-trimethyl-	126	C9H18	053941-19-8	50
5		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOA7

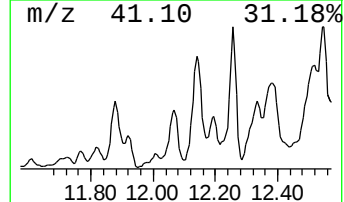
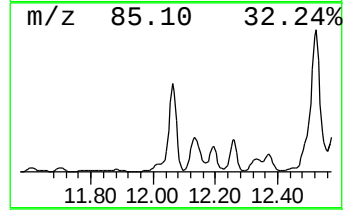
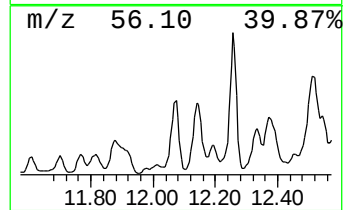
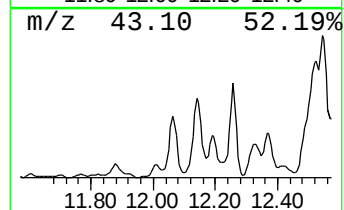
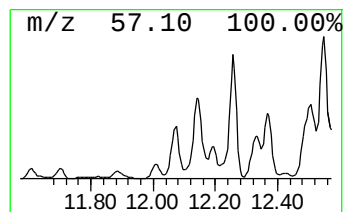
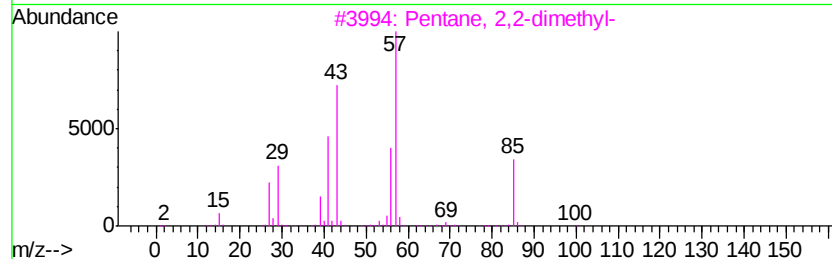
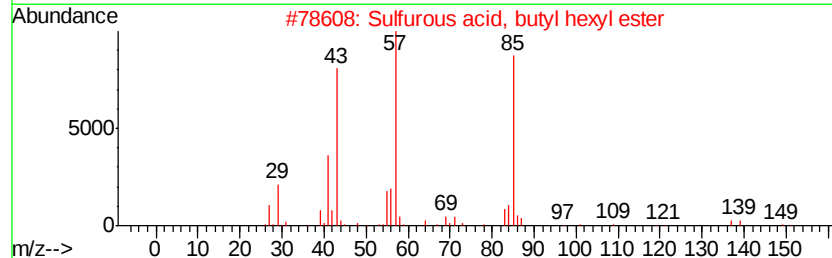
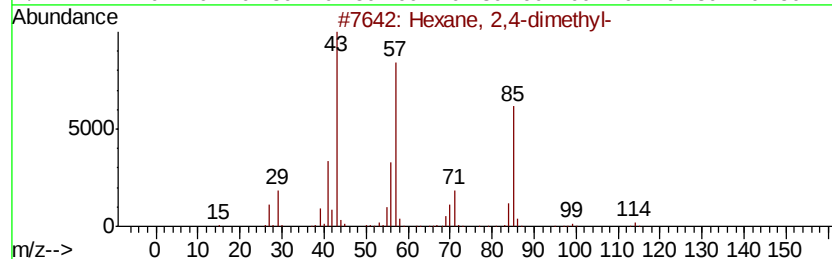
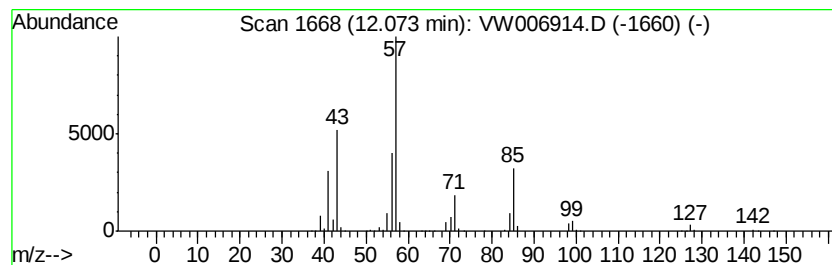
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Quant Title : VOC Analysis

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

Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	38.95 ug/L	950638	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	72
2		Sulfurous acid, butyl hexyl ester	222	C10H22O3S	1000309-17-3	50
3		Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	50
4		Undecane, 4,4-dimethyl-	184	C13H28	017312-68-4	50
5		4,4-Dimethyl octane	142	C10H22	015869-95-1	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOA7

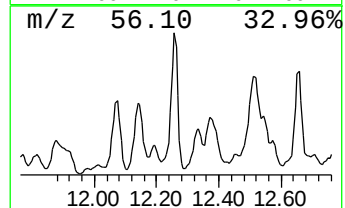
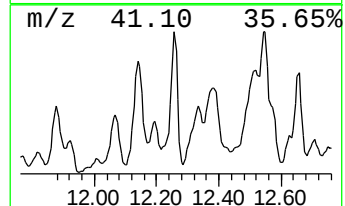
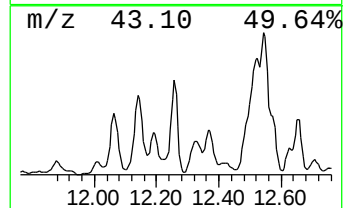
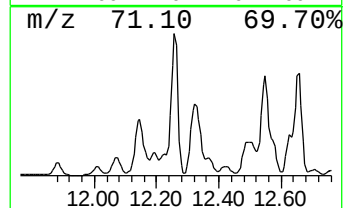
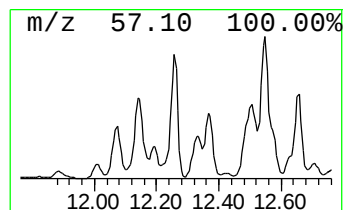
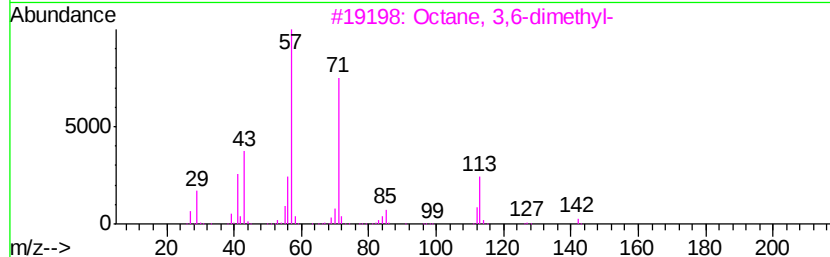
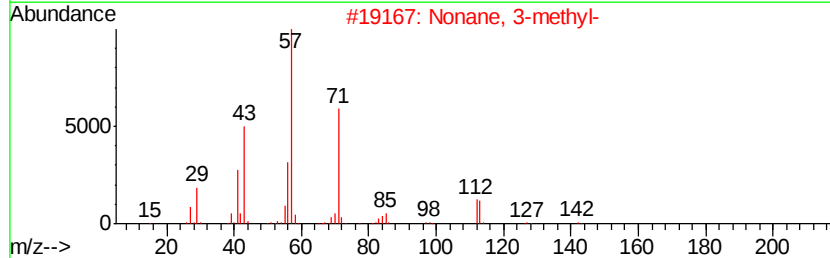
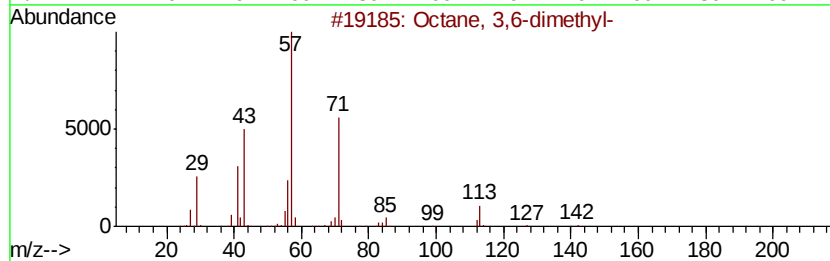
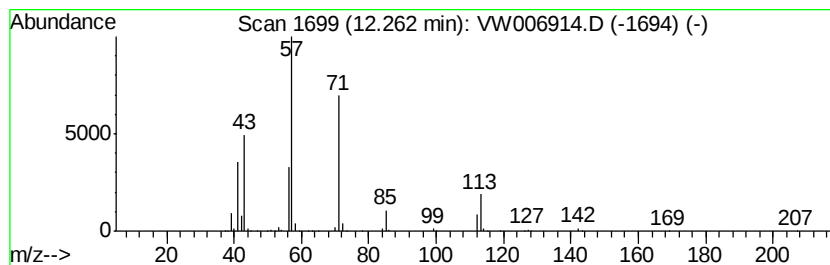
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Quant Title : VOC Analysis

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

Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	68.13 ug/L	1662620	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	91
2		Nonane, 3-methyl-	142	C10H22	005911-04-6	90
3		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	90
4		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	87
5		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	86



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOA7

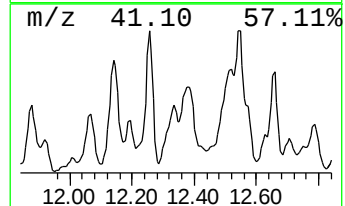
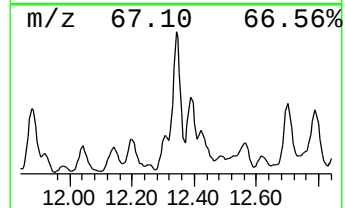
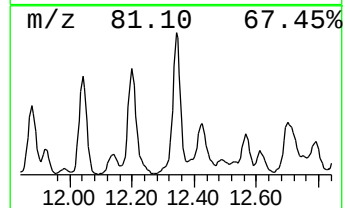
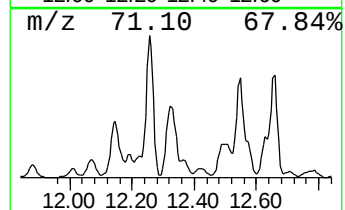
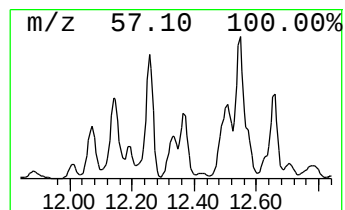
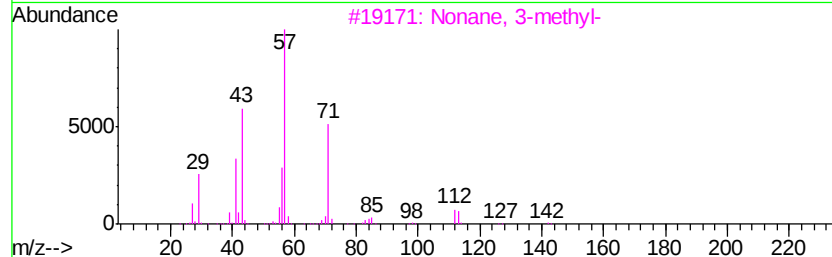
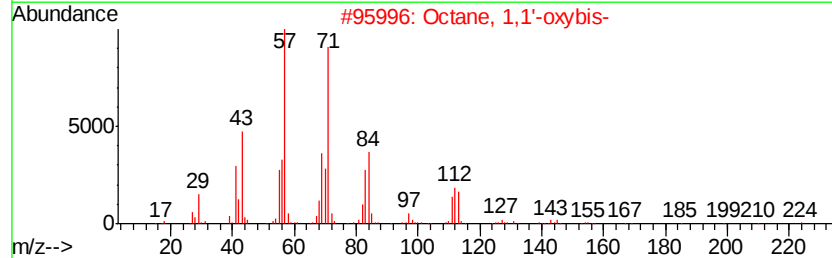
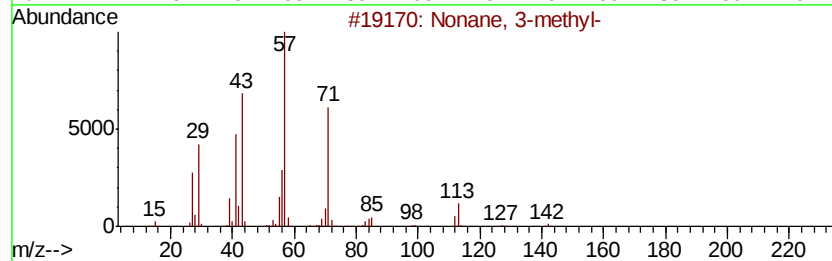
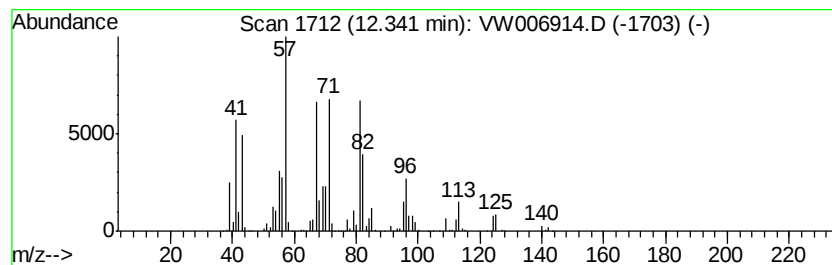
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Quant Title : VOC Analysis

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

Peak Number 31 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	67.56 ug/L	1648730	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 3-methyl-	142	C10H22	005911-04-6	60
2		Octane, 1,1'-oxybis-	242	C16H34O	000629-82-3	50
3		Nonane, 3-methyl-	142	C10H22	005911-04-6	47
4		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	47
5		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOA7

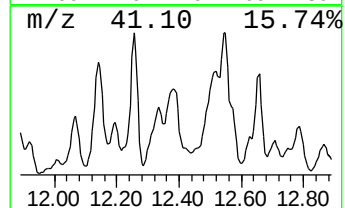
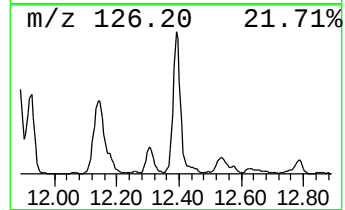
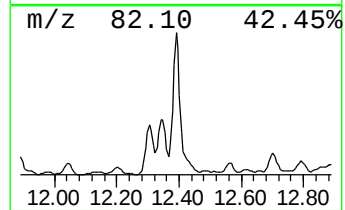
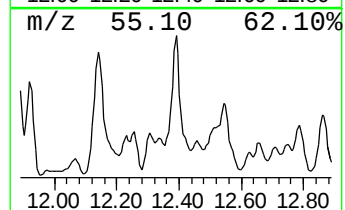
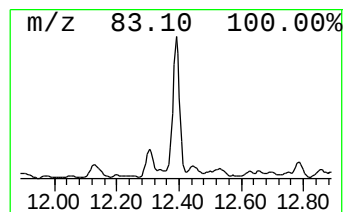
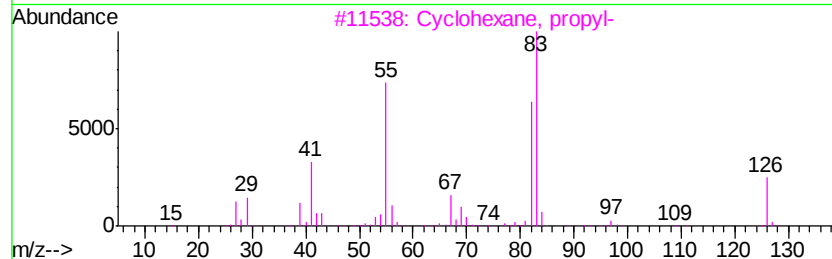
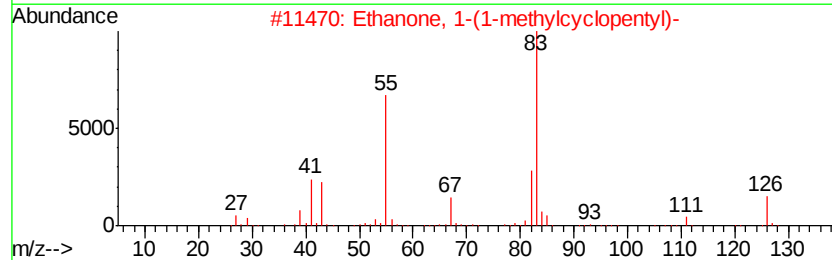
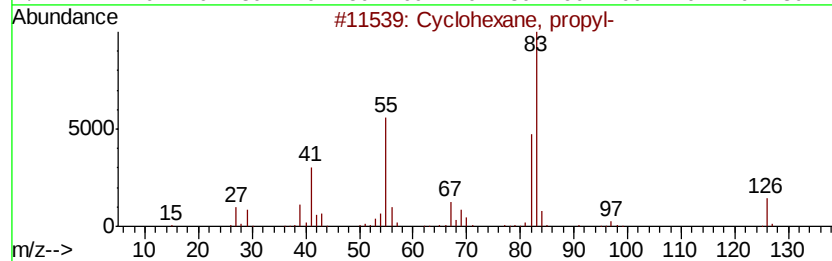
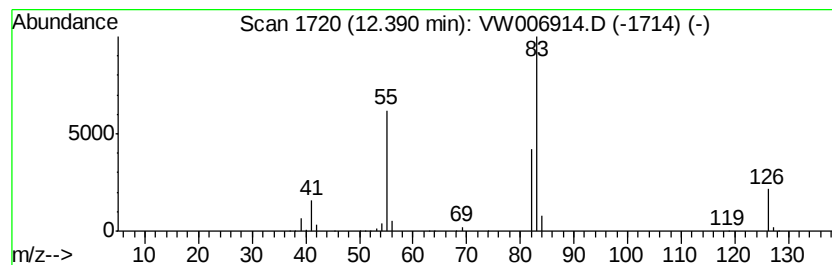
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Quant Title : VOC Analysis

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

Peak Number 32 (DEL) Alkane: Cyclic12.39 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	49.14 ug/L	1199160	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, propyl-	126	C9H18	001678-92-8	64
2		Ethanone, 1-(1-methylcyclopentyl)-	126	C8H14O	013388-93-7	64
3		Cyclohexane, propyl-	126	C9H18	001678-92-8	53
4		2-Pyrazoline, 1-methyl-4-propyl-	126	C7H14N2	033063-77-3	52
5		Oxalic acid, cyclohexyl hexyl ester	256	C14H24O4	1000309-30-8	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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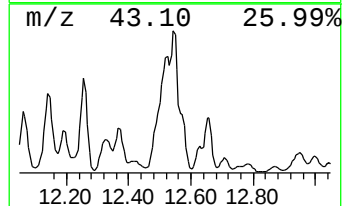
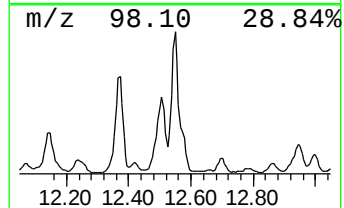
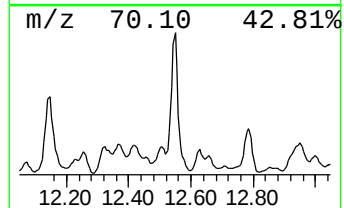
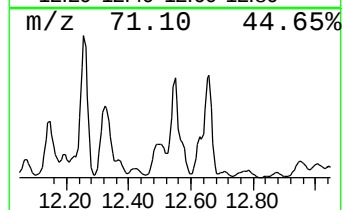
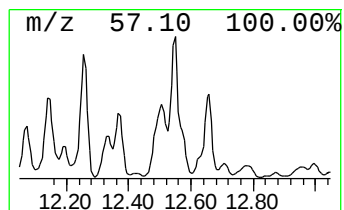
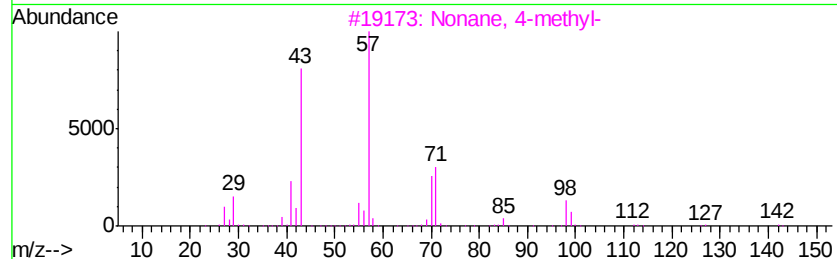
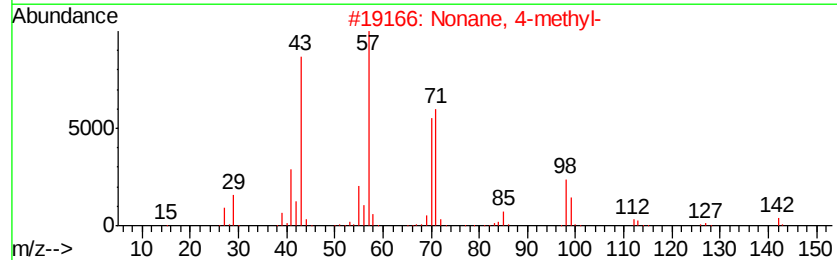
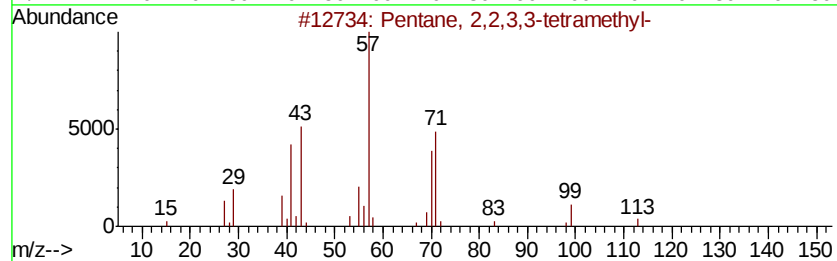
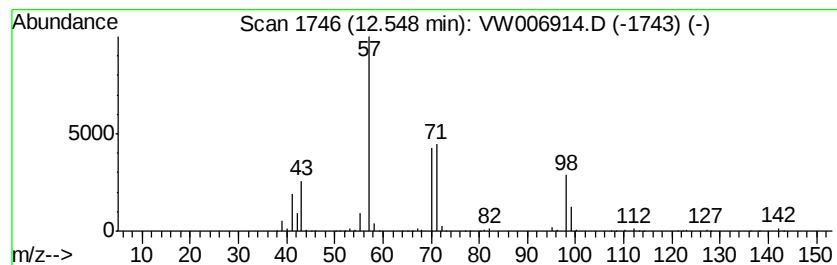
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Quant Title : VOC Analysis

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

Peak Number 33 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.55	103.17 ug/L	2517670	Chlorobenzene-d5	11.63

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	59
2			Nonane, 4-methyl-	142	C10H22	017301-94-9	56
3			Nonane, 4-methyl-	142	C10H22	017301-94-9	50
4			Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	50
5			Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOA7

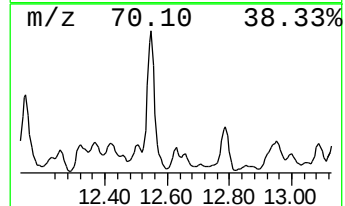
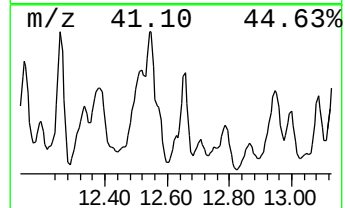
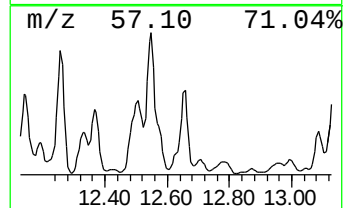
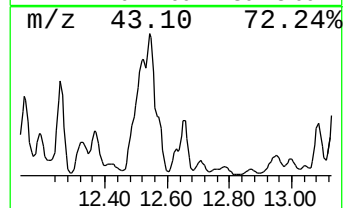
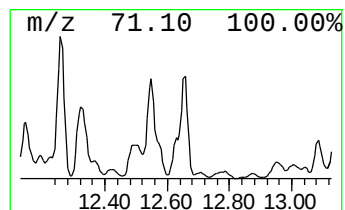
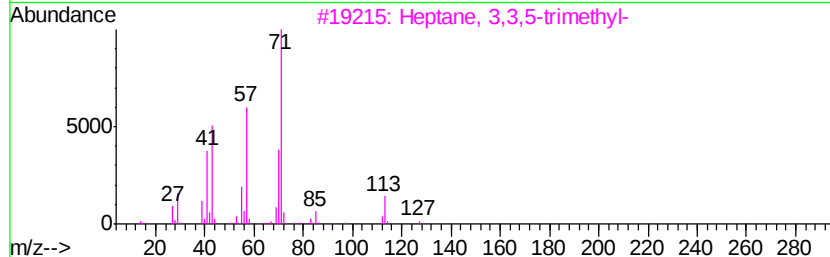
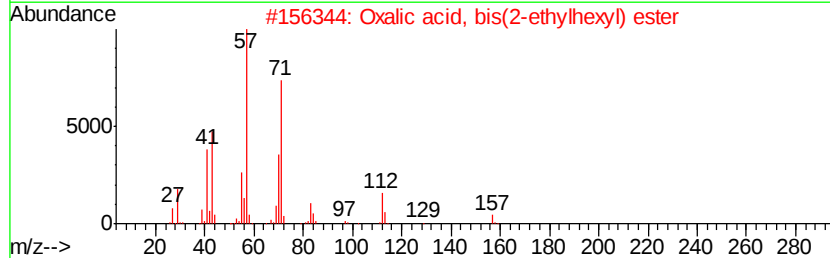
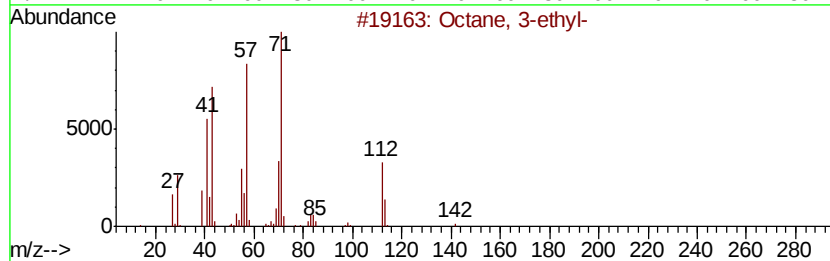
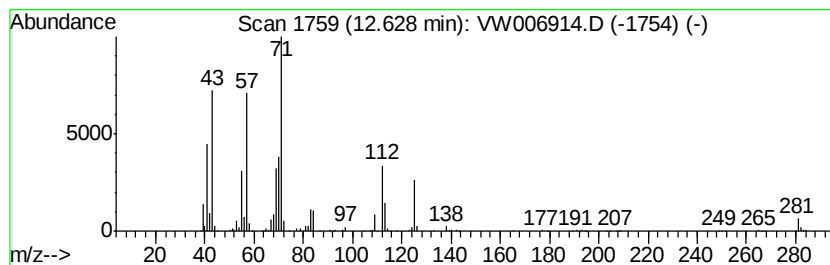
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Quant Title : VOC Analysis

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

Peak Number 34 (DEL) Alkane: Straight-Chai... Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	25.22 ug/L	393291	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 3-ethyl-	142	C10H22	005881-17-4	72
2		Oxalic acid, bis(2-ethylhexyl) e...	314	C18H34O4	1000309-39-0	59
3		Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	53
4		Oxalic acid, butyl 2-ethylhexyl ...	258	C14H26O4	1000309-38-6	53
5		Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

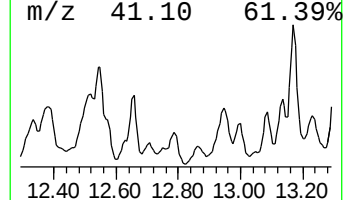
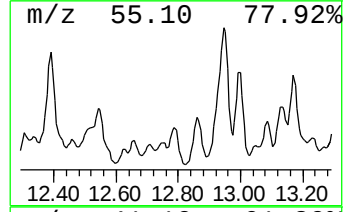
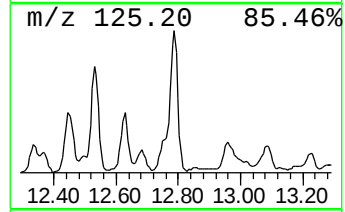
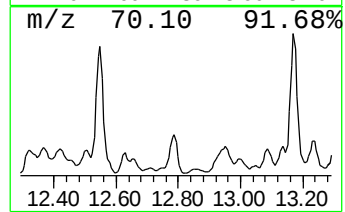
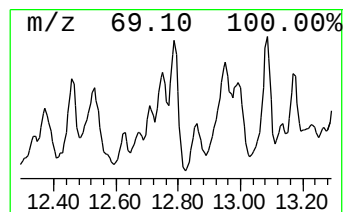
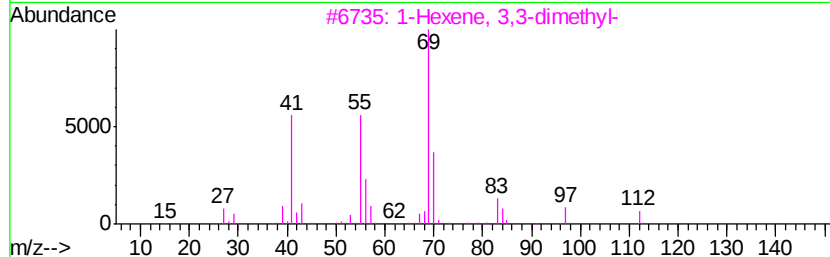
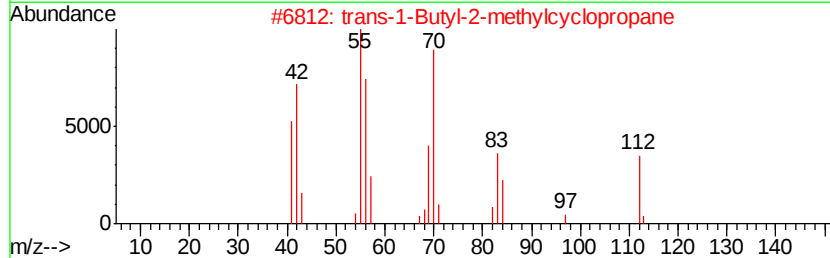
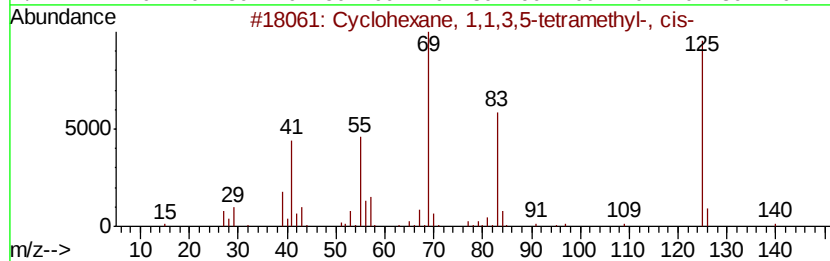
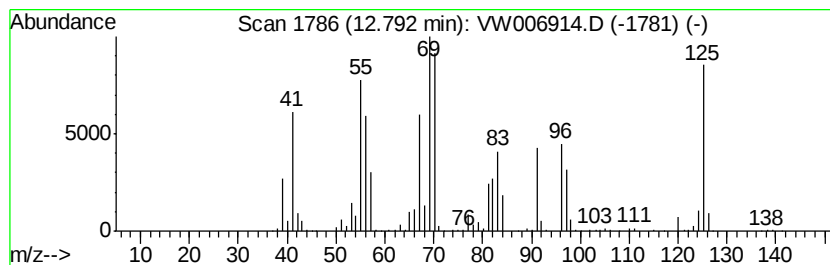
Instrument :
MSVOA_W
ClientSampleId :
ETOA7

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis

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

Peak Number 35 (DEL) Alkane: Cyclic12.79 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.79	62.95 ug/L	981643	1,4-Dichlorobenzene-d4	13.57
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclohexane, 1,1,3,5-tetramethyl...	140 C10H20	050876-32-9 43
2		trans-1-Butyl-2-methylcyclopropane	112 C8H16	038851-70-6 38
3		1-Hexene, 3,3-dimethyl-	112 C8H16	003404-77-1 38
4		trans-3-Decene	140 C10H20	019150-21-1 38
5		cis-1-Butyl-2-methylcyclopropane	112 C8H16	038851-69-3 35



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOA7

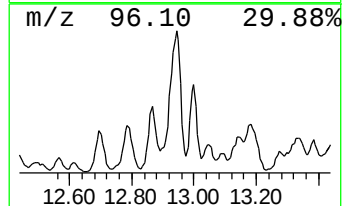
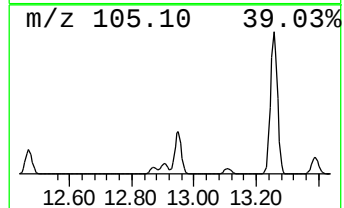
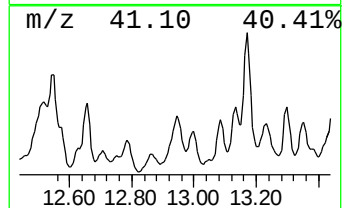
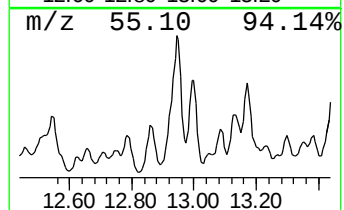
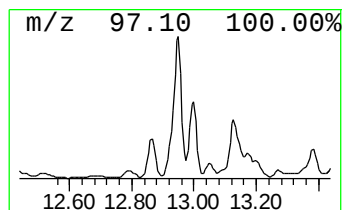
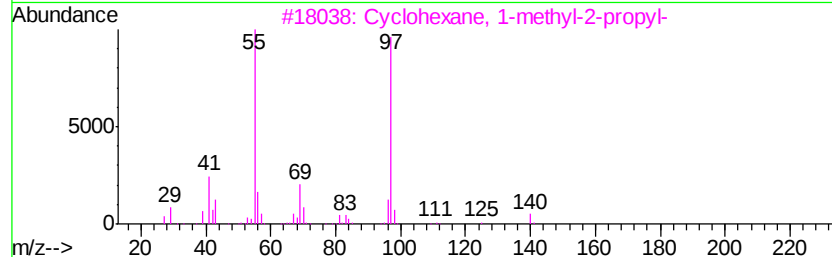
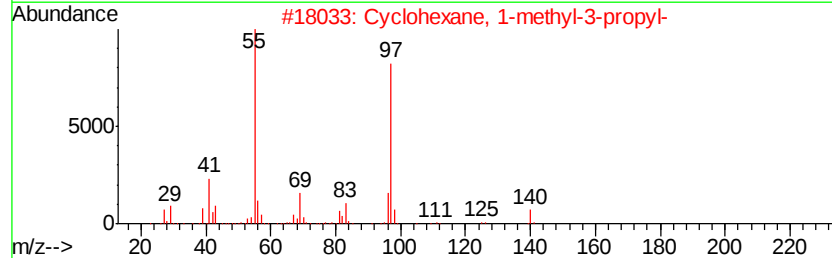
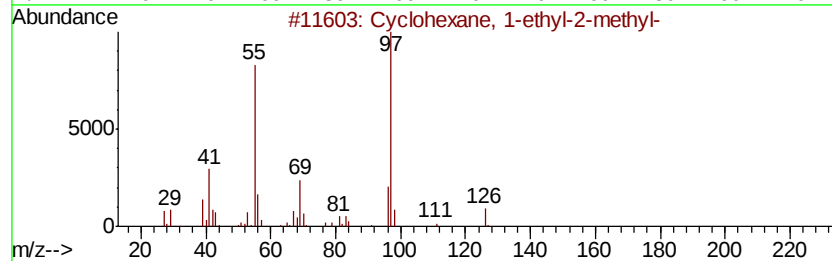
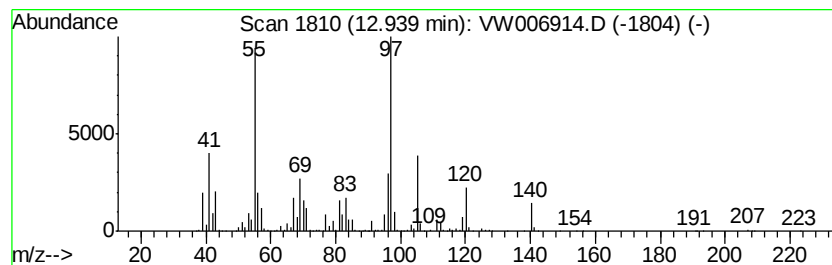
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Quant Title : VOC Analysis

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

Peak Number 37 (DEL) Alkane: Cyclic12.94 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	127.41 ug/L	1986950	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	70
2		Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	64
3		Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	62
4		Cyclohexane, 1-methyl-2-pentyl-	168	C12H24	054411-01-7	58
5		Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

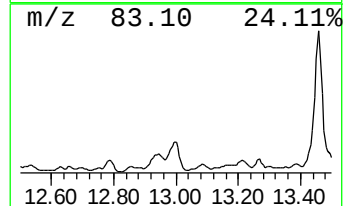
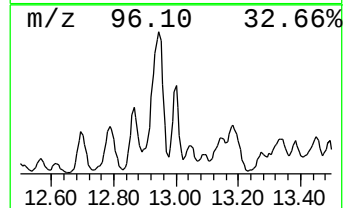
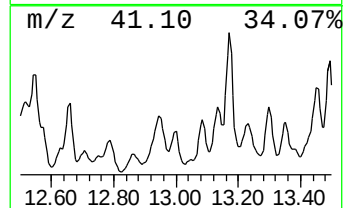
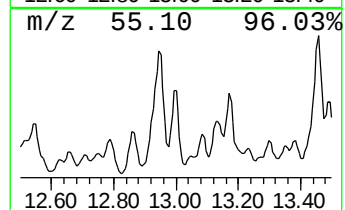
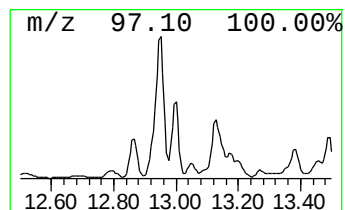
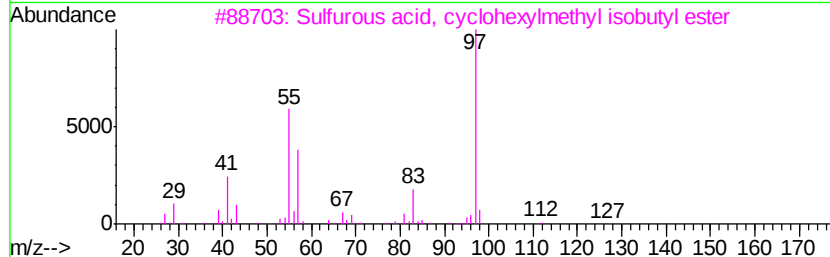
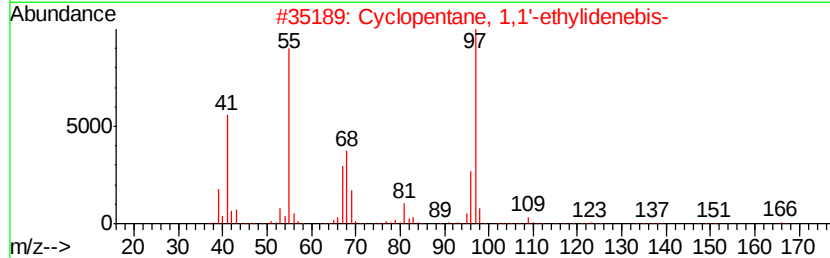
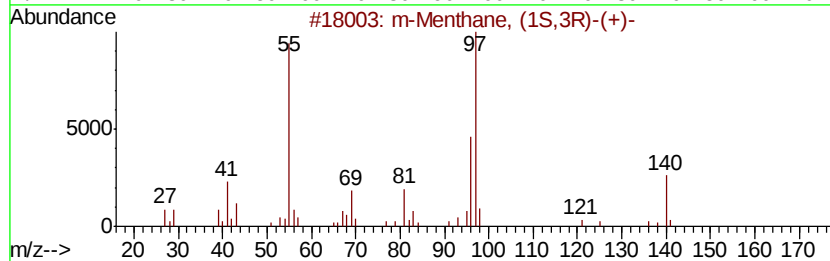
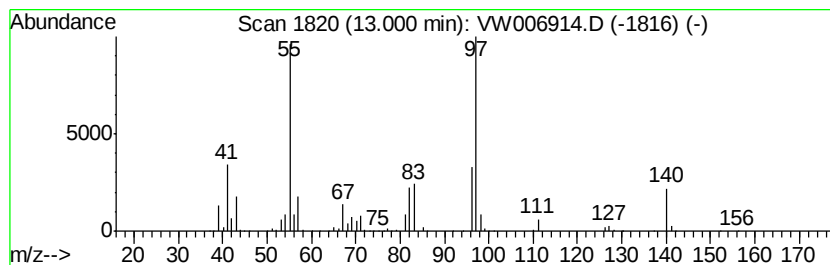
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ClientSampleId :
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Quant Title : VOC Analysis

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

Peak Number 38 (DEL) Alkane: Cyclic13.00 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.00	53.18 ug/L	829354	1,4-Dichlorobenzene-d4	13.57	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	m-Menthane, (1S,3R)-(+)-	140	C10H20	013837-66-6	53
2	Cyclopentane, 1,1'-ethylidenebis-	166	C12H22	004413-21-2	50
3	Sulfurous acid, cyclohexylmethyl...	234	C11H22O3S	1000309-21-3	50
4	Oxalic acid, cyclohexylmethyl et...	214	C11H18O4	1000309-68-0	50
5	Oxalic acid, cyclohexylmethyl pr...	228	C12H20O4	1000309-68-1	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOA7

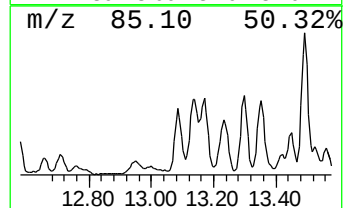
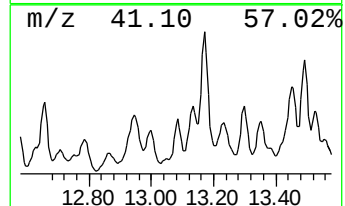
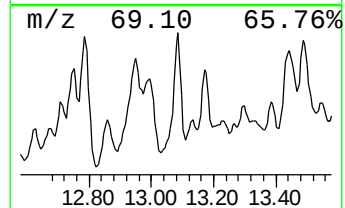
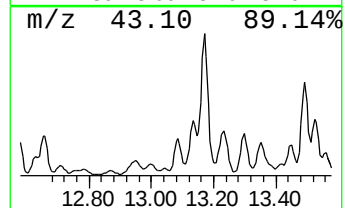
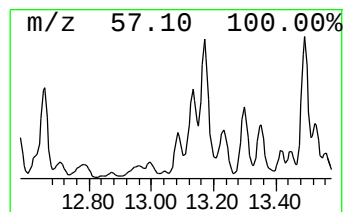
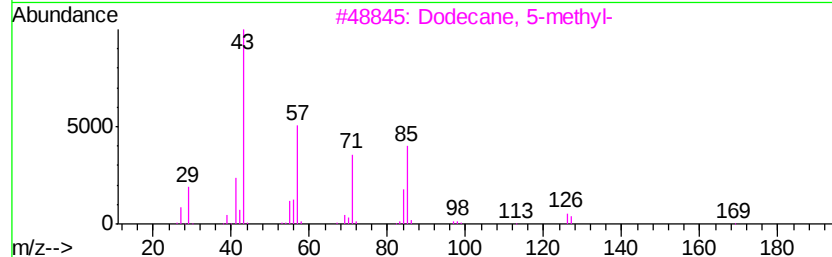
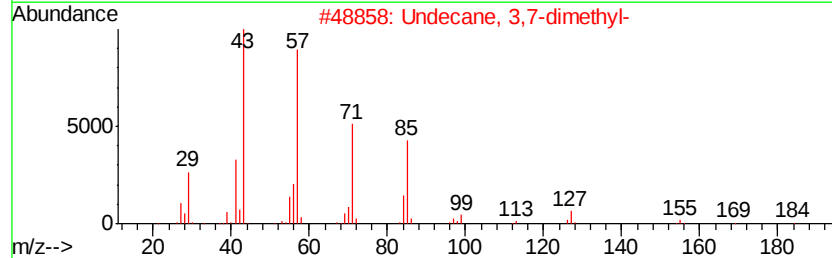
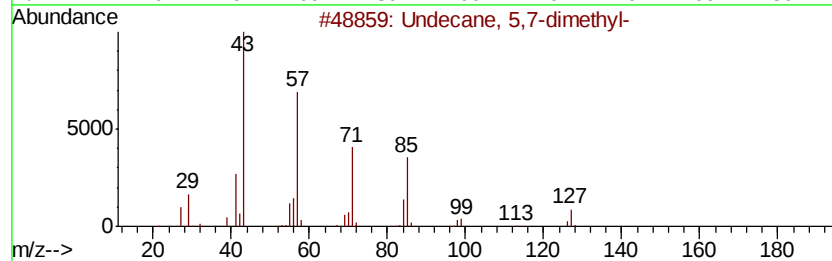
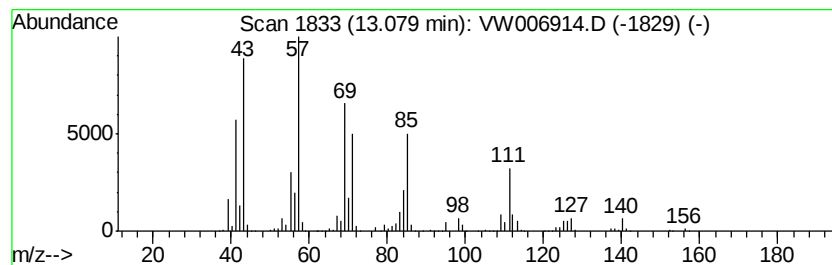
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Quant Title : VOC Analysis

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

Peak Number 39 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.08	59.91 ug/L	934263	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 5,7-dimethyl-	184	C13H28	017312-83-3	53
2		Undecane, 3,7-dimethyl-	184	C13H28	017301-29-0	53
3		Dodecane, 5-methyl-	184	C13H28	017453-93-9	50
4		Undecane, 2,4-dimethyl-	184	C13H28	017312-80-0	50
5		Octane, 3,4,5,6-tetramethyl-	170	C12H26	062185-21-1	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
ETOA7

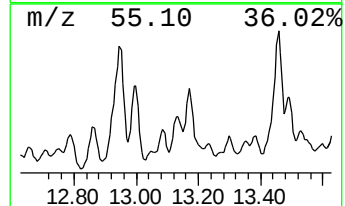
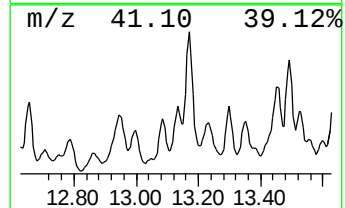
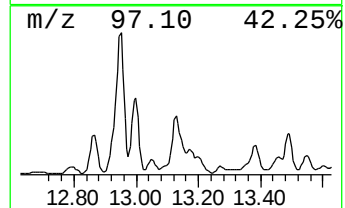
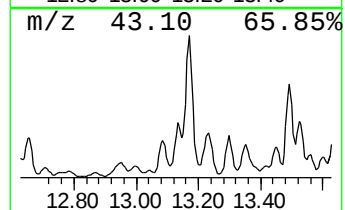
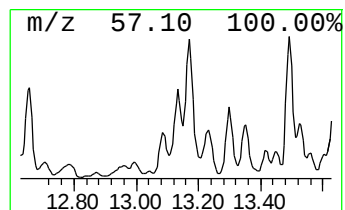
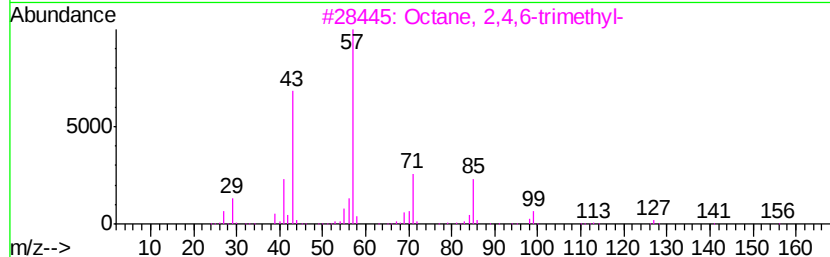
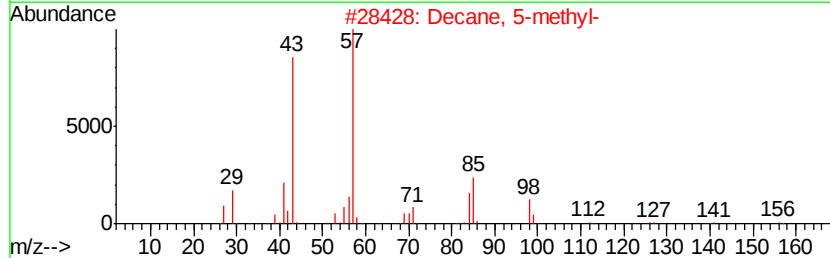
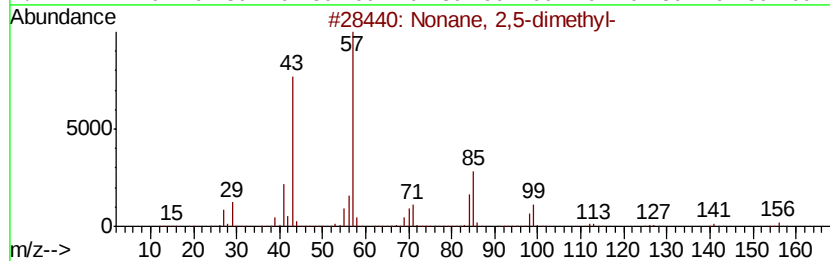
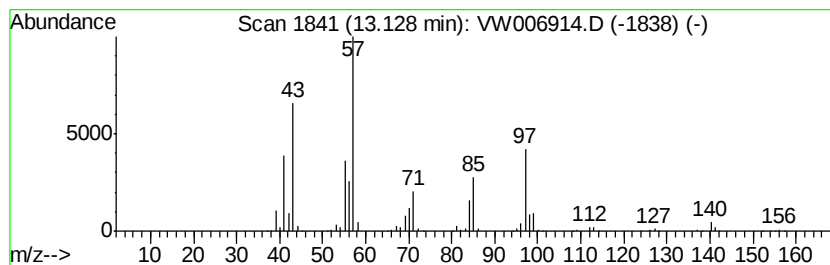
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Quant Title : VOC Analysis

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

Peak Number 40 (DEL) Alkane: Straight-Chai... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	57.28 ug/L	893296	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 2,5-dimethyl-	156	C11H24	017302-27-1	58
2		Decane, 5-methyl-	156	C11H24	013151-35-4	52
3		Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	50
4		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	43
5		1-Iodoundecane	282	C11H23I	004282-44-4	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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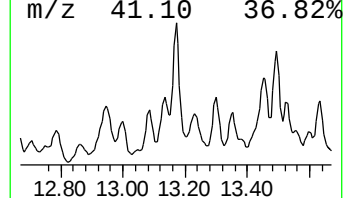
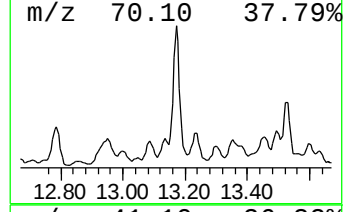
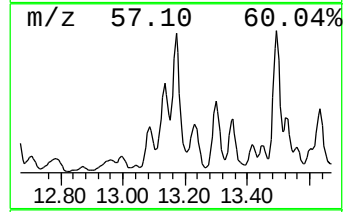
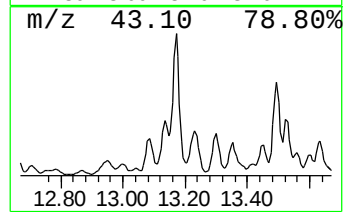
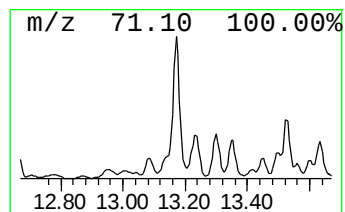
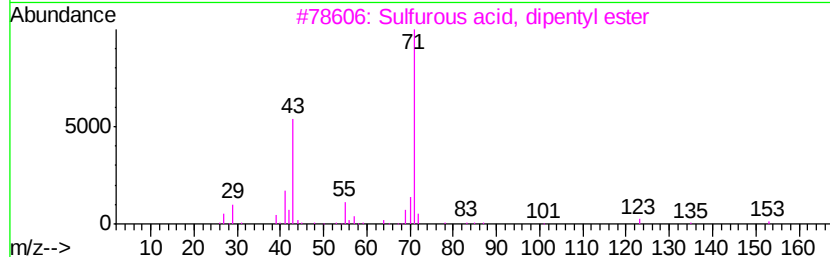
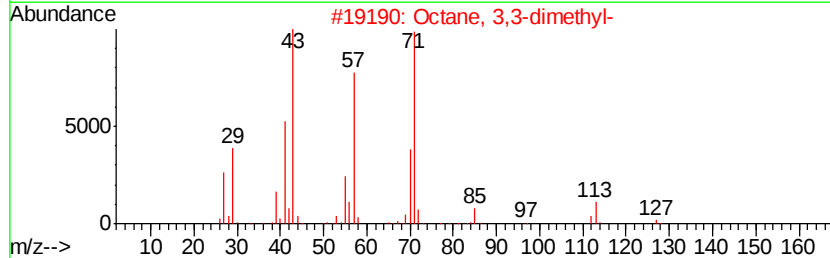
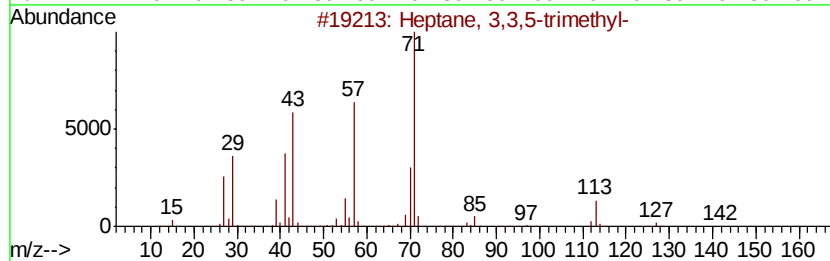
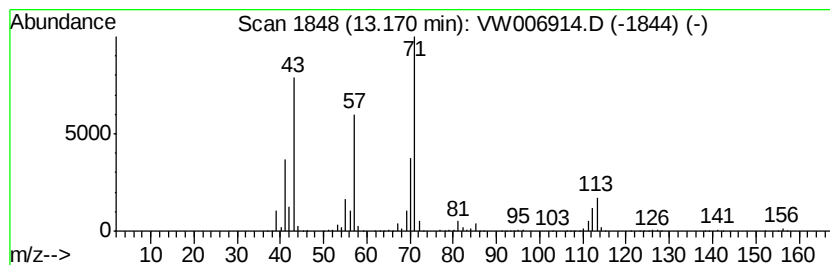
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Quant Title : VOC Analysis

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

Peak Number 41 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	153.97 ug/L	2401160	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	72
2		Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	64
3		Sulfurous acid, dipentyl ester	222	C10H22O3S	1000309-13-9	53
4		Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	53
5		Sulfurous acid, isobutyl 2-penty...	208	C9H20O3S	1000309-15-2	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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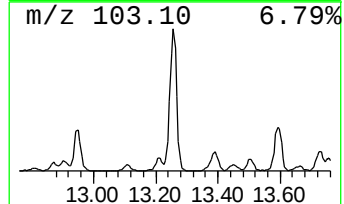
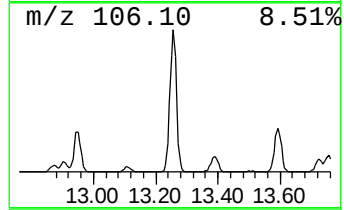
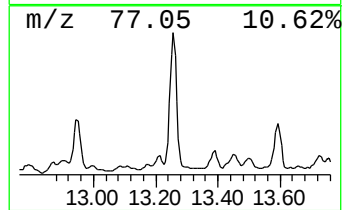
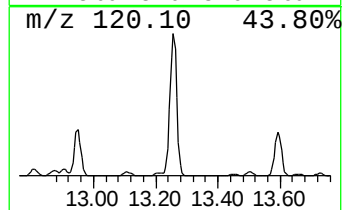
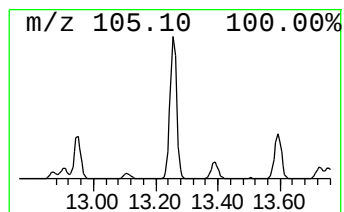
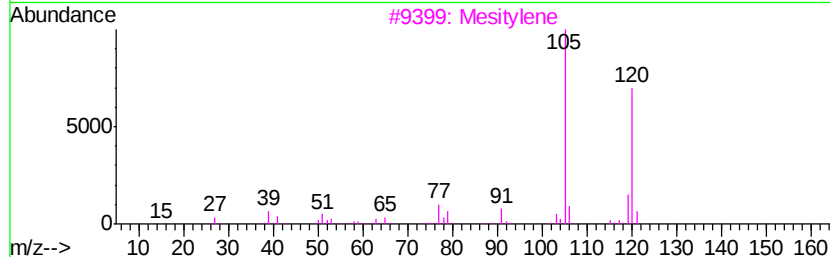
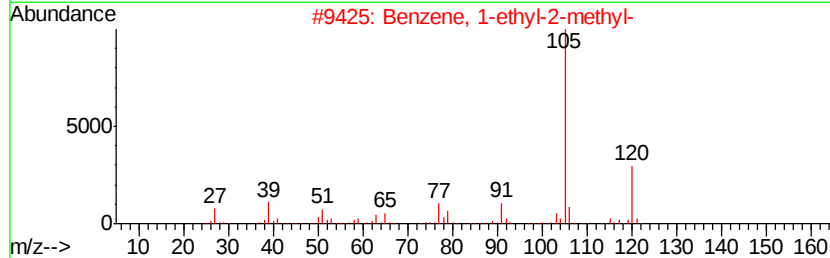
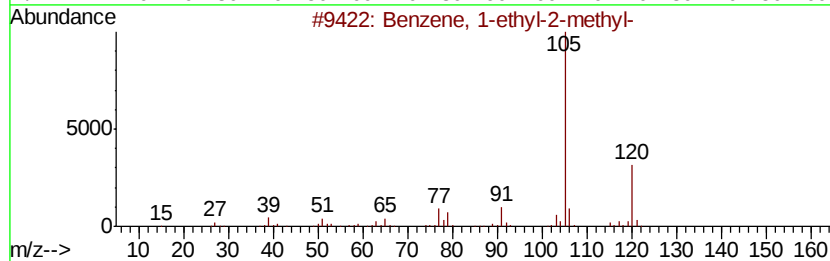
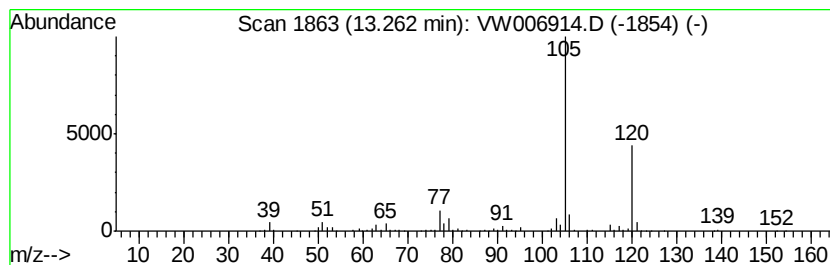
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Quant Title : VOC Analysis

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

Peak Number 42 Benzene, 1-ethyl-2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	116.37 ug/L	1814780	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
2		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
3		Mesitylene	120	C9H12	000108-67-8	90
4		Mesitylene	120	C9H12	000108-67-8	90
5		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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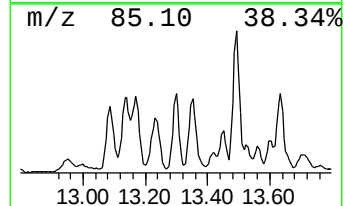
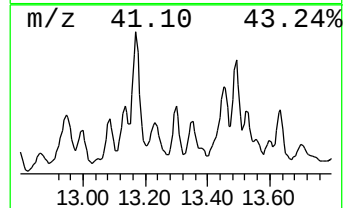
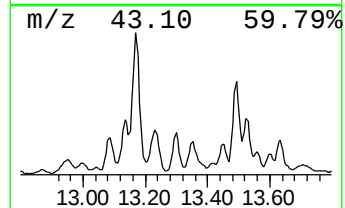
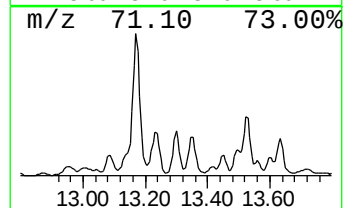
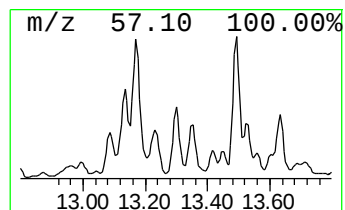
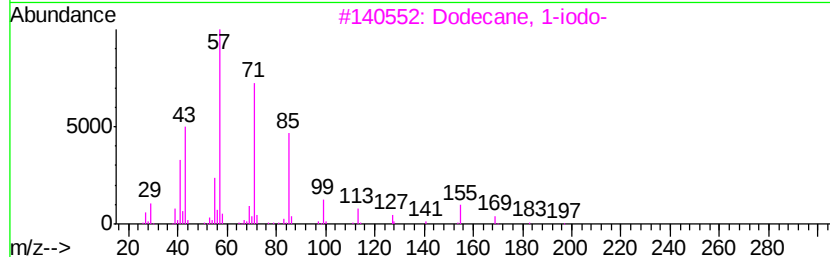
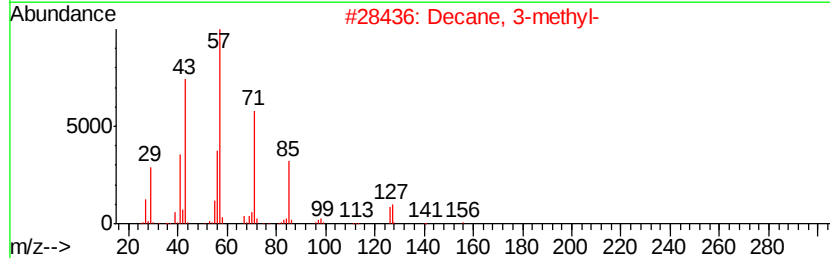
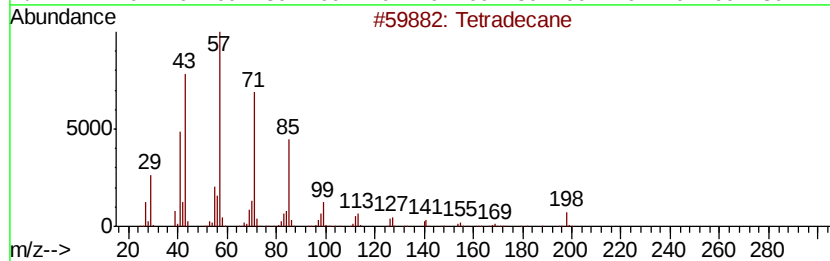
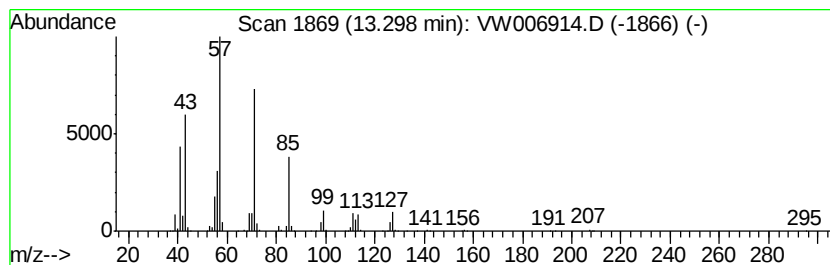
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Quant Title : VOC Analysis

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

Peak Number 43 (DEL) Alkane: Straight-Chai... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.30	50.16 ug/L	782182	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetradecane	198	C14H30	000629-59-4	72
2		Decane, 3-methyl-	156	C11H24	013151-34-3	68
3		Dodecane, 1-iodo-	296	C12H25I	004292-19-7	59
4		Undecane, 3-methyl-	170	C12H26	001002-43-3	59
5		Bacchotricuneatin c	342	C20H22O5	066563-30-2	58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOA7

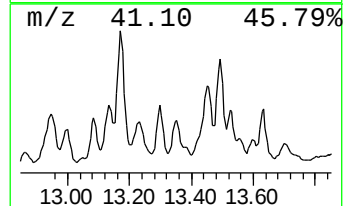
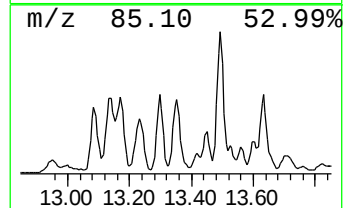
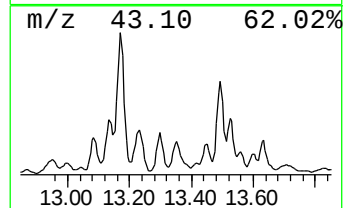
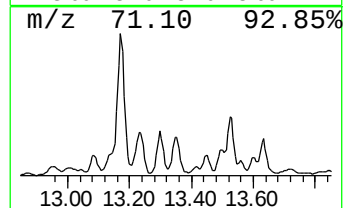
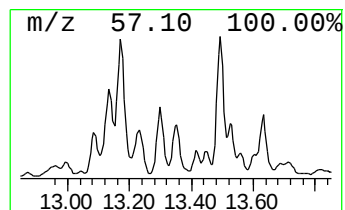
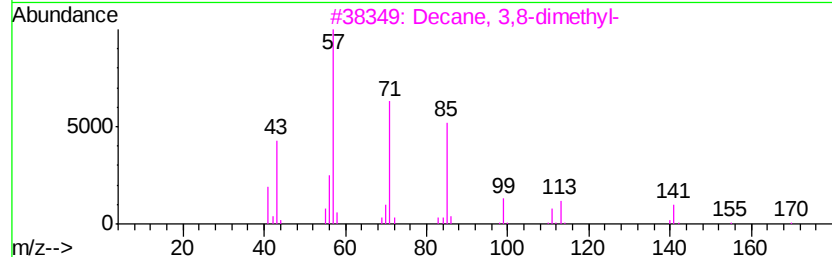
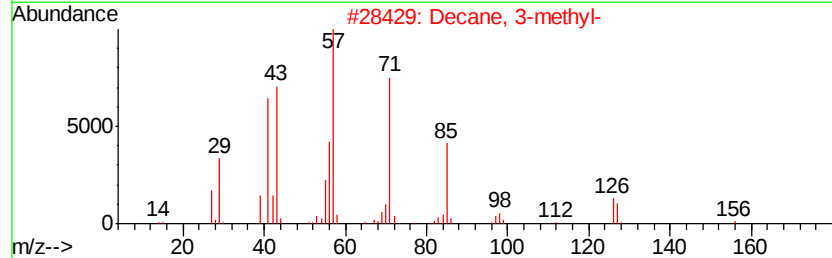
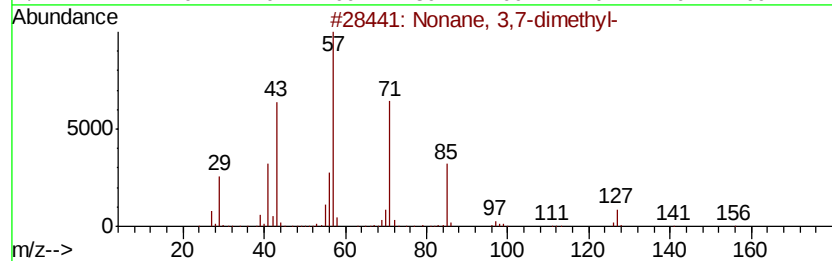
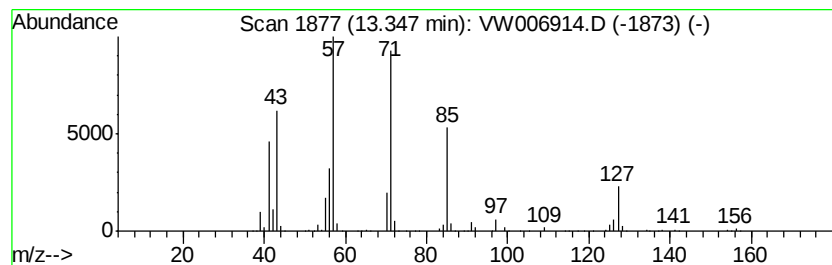
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Quant Title : VOC Analysis

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

Peak Number 44 (DEL) Alkane: Straight-Chai... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.35	43.44 ug/L	677519	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	90
2		Decane, 3-methyl-	156	C11H24	013151-34-3	64
3		Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	59
4		Decane, 5-propyl-	184	C13H28	017312-62-8	59
5		Sulfurous acid, nonyl 2-propyl e...	250	C12H26O3S	1000309-12-0	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOA7

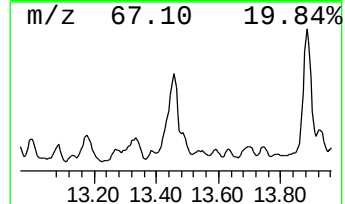
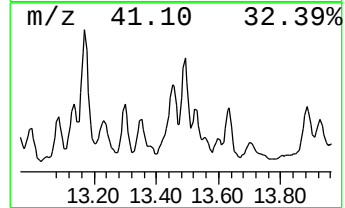
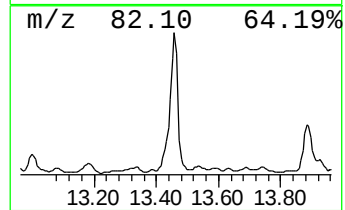
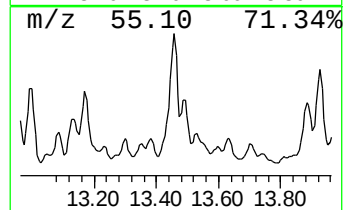
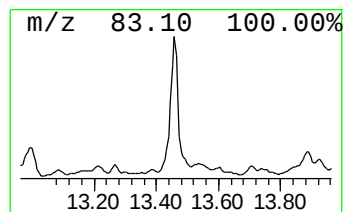
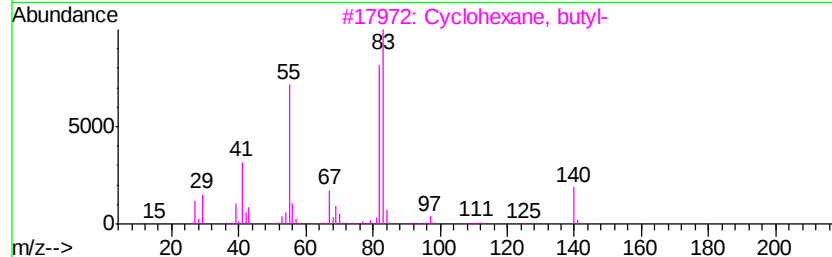
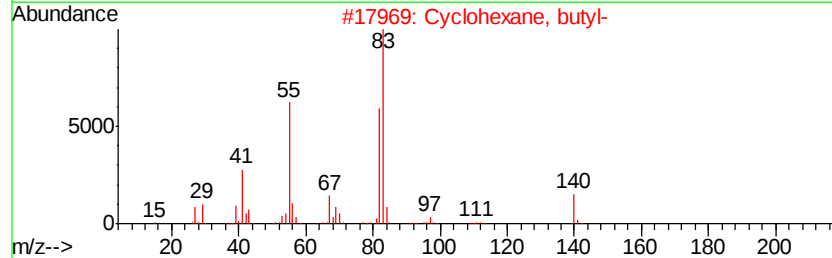
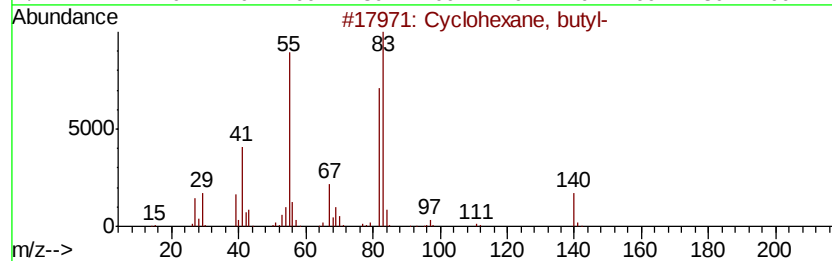
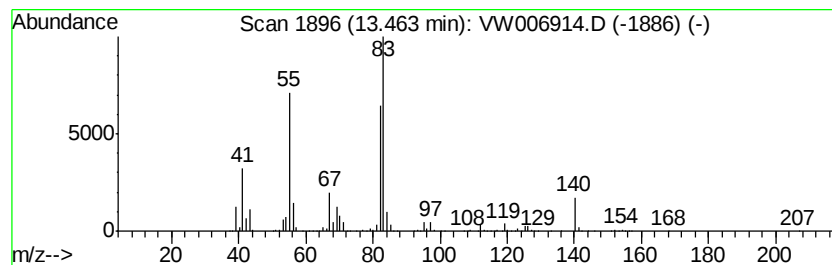
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Quant Title : VOC Analysis

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

Peak Number 45 (DEL) Alkane: Cyclic13.46 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.46	150.96 ug/L	2354210	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, butyl-	140	C10H20	001678-93-9	94
2		Cyclohexane, butyl-	140	C10H20	001678-93-9	94
3		Cyclohexane, butyl-	140	C10H20	001678-93-9	93
4		Cyclohexane, propyl-	126	C9H18	001678-92-8	90
5		Cyclohexane, propyl-	126	C9H18	001678-92-8	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOA7

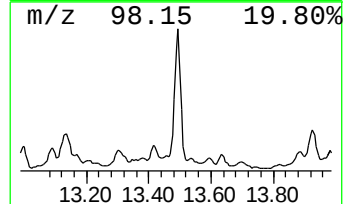
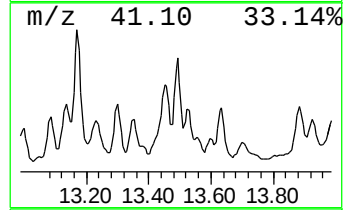
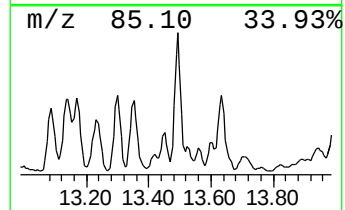
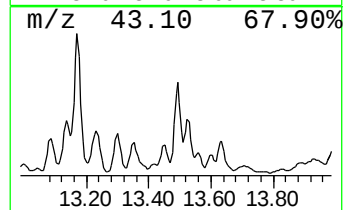
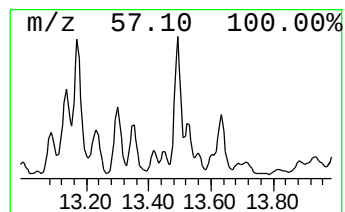
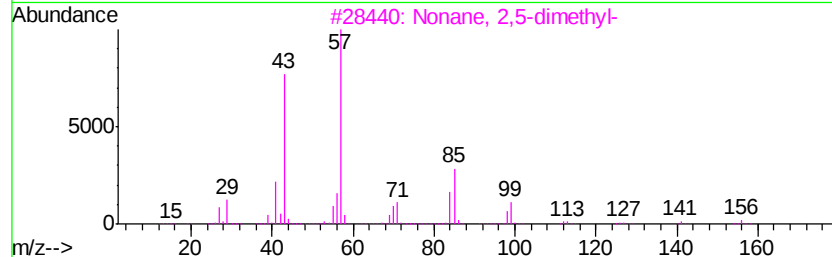
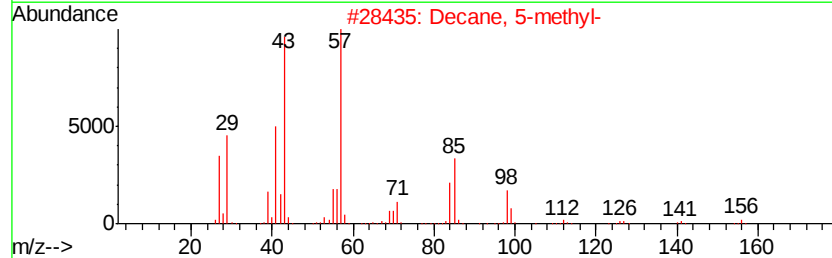
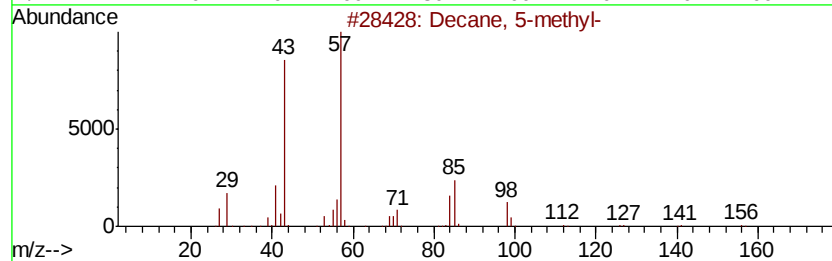
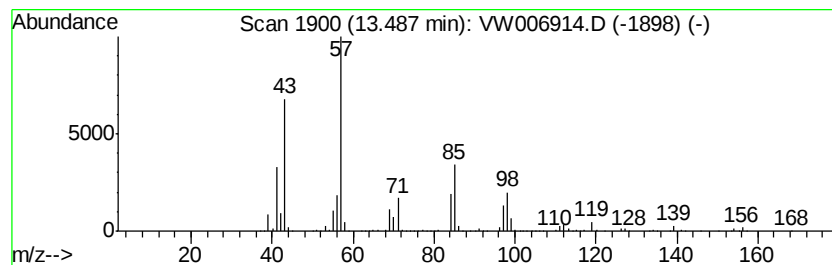
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Quant Title : VOC Analysis

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	128.01 ug/L	1996290	1,4-Dichlorobenzene-d4	13.57

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 5-methyl-	156	C11H24	013151-35-4	70
2			Decane, 5-methyl-	156	C11H24	013151-35-4	68
3			Nonane, 2,5-dimethyl-	156	C11H24	017302-27-1	60
4			Pentane, 3-ethyl-2,3-dimethyl-	128	C9H20	016747-33-4	43
5			Heptane, 2,2,3,3,5,6,6-heptamethyl-	198	C14H30	007225-67-4	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOA7

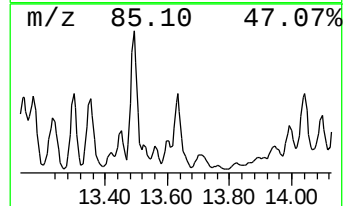
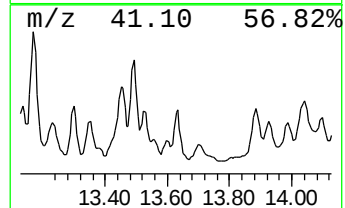
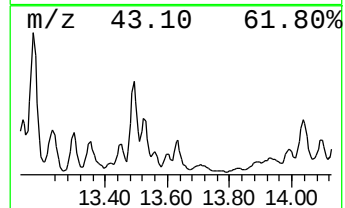
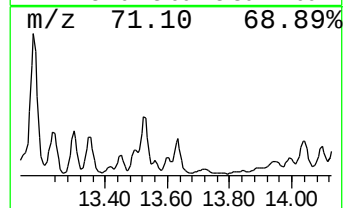
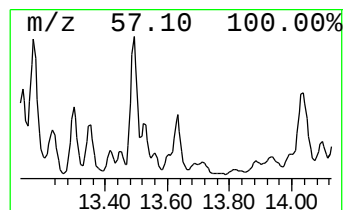
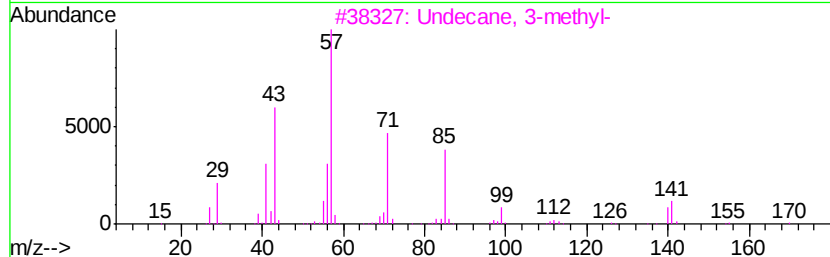
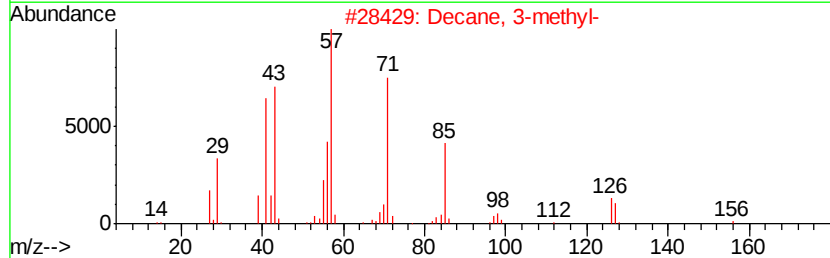
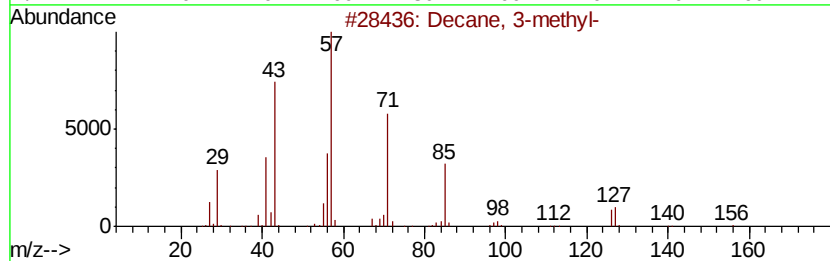
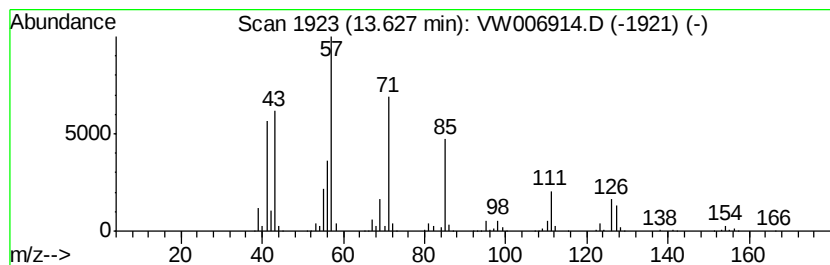
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Quant Title : VOC Analysis

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

Peak Number 47 (DEL) Alkane: Straight-Chai... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.63	52.89 ug/L	824881	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 3-methyl-	156	C11H24	013151-34-3	87
2		Decane, 3-methyl-	156	C11H24	013151-34-3	64
3		Undecane, 3-methyl-	170	C12H26	001002-43-3	59
4		Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	50
5		Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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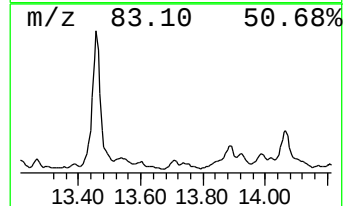
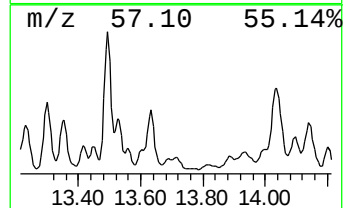
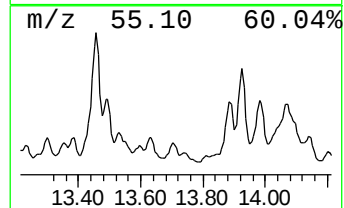
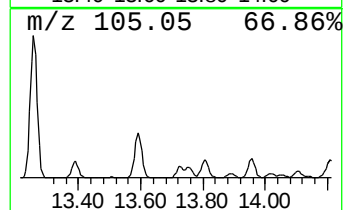
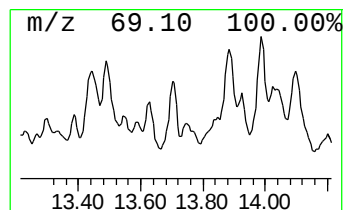
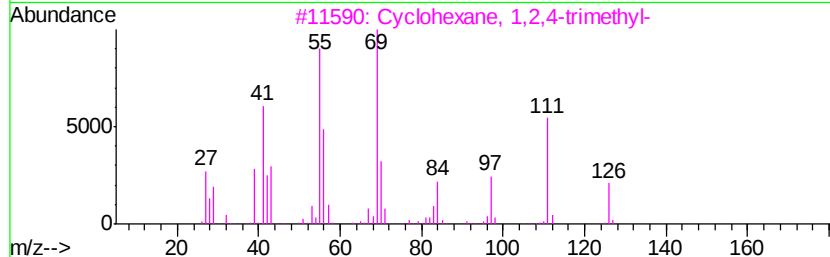
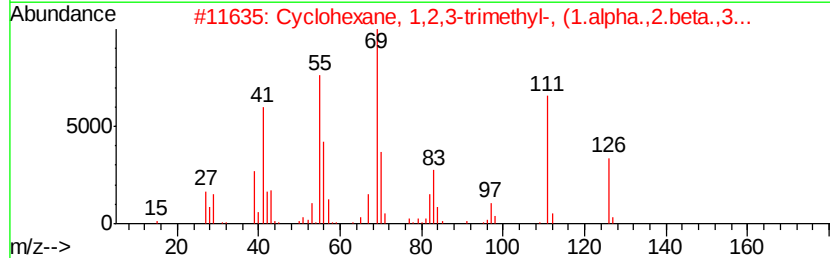
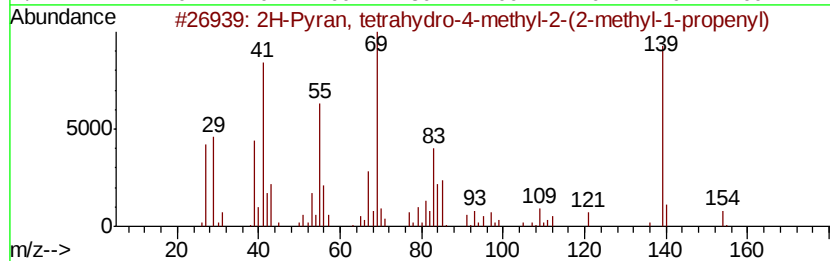
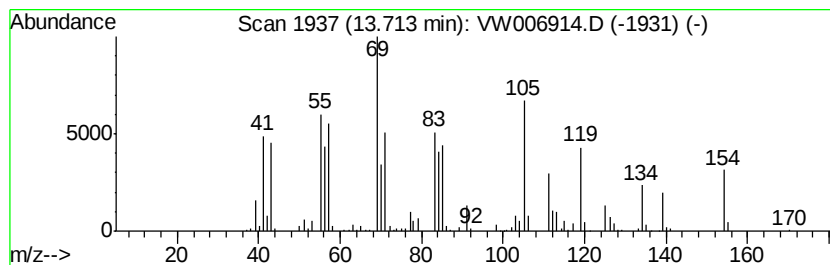
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Quant Title : VOC Analysis

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

Peak Number 48 unknown-01 Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.71	33.56 ug/L	523341	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2H-Pyran, tetrahydro-4-methyl-2-...	154	C10H18O	016409-43-1	47
2		Cyclohexane, 1,2,3-trimethyl-, (...)	126	C9H18	001678-81-5	43
3		Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	43
4		Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	38
5		4-Octene, 2,3,7-trimethyl-, [S-(...	154	C11H22	052763-13-0	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOA7

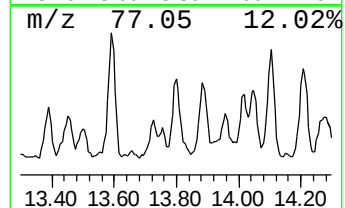
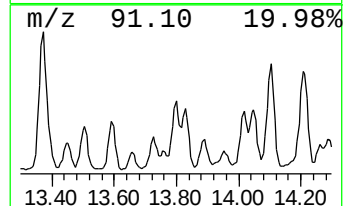
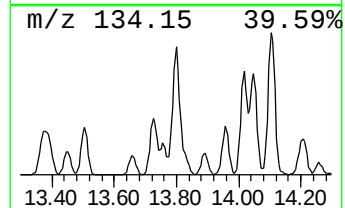
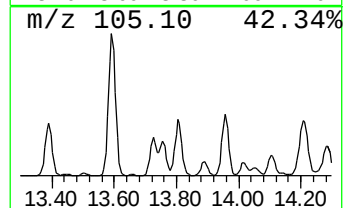
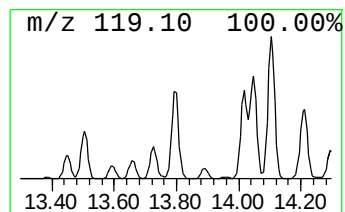
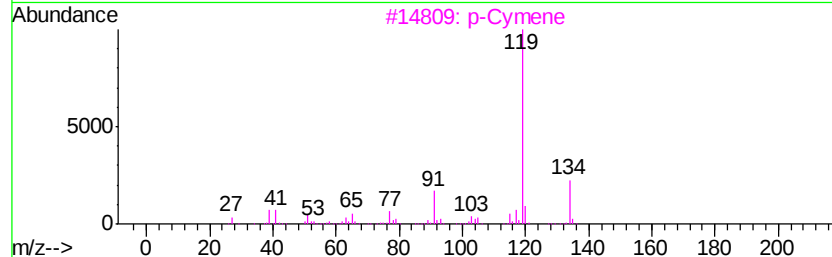
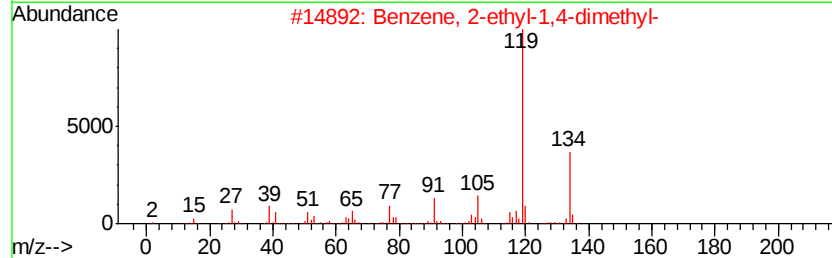
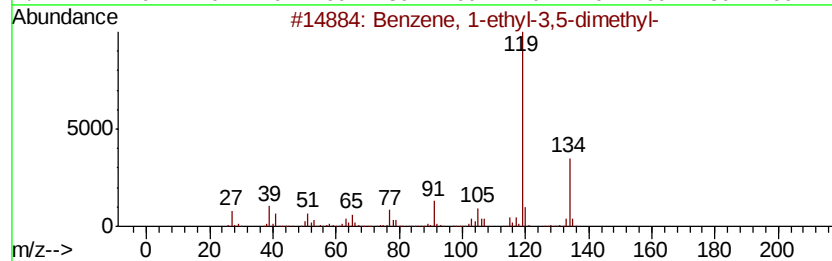
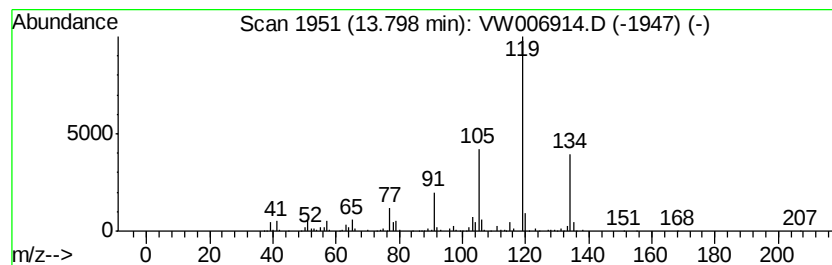
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Quant Title : VOC Analysis

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

Peak Number 49 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.80	23.90 ug/L	372654	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
2		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
3		p-Cymene	134	C10H14	000099-87-6	90
4		o-Cymene	134	C10H14	000527-84-4	90
5		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOA7

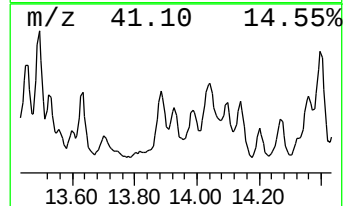
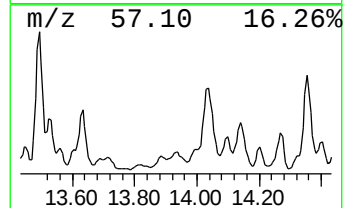
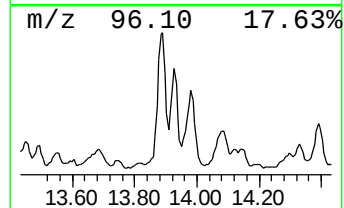
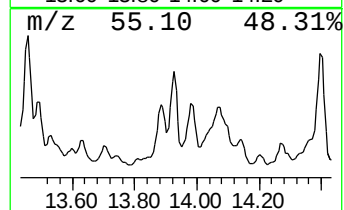
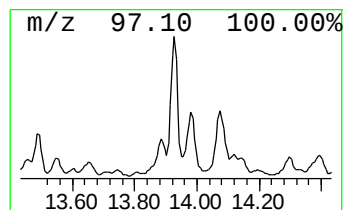
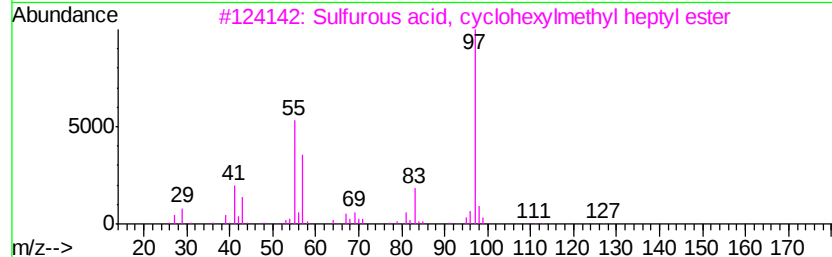
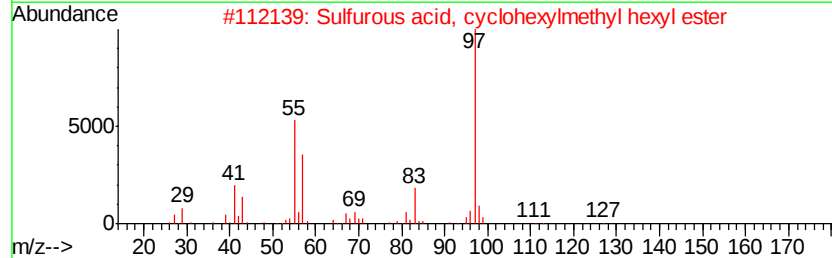
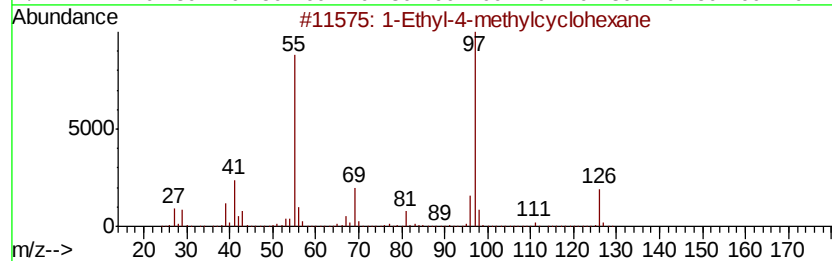
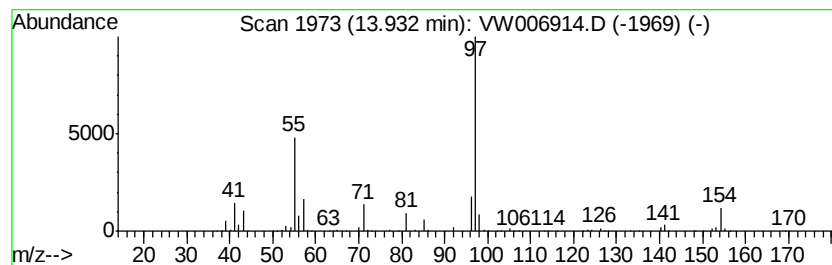
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Quant Title : VOC Analysis

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

Peak Number 50 (DEL) Alkane: Cyclic13.93 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.93	68.95 ug/L	1075320	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	64
2		Sulfurous acid, cyclohexylmethyl...	262	C13H26O3S	1000309-21-6	59
3		Sulfurous acid, cyclohexylmethyl...	276	C14H28O3S	1000309-21-7	59
4		Sulfurous acid, cyclohexylmethyl...	262	C13H26O3S	1000309-21-5	56
5		4-Octen-3-one	126	C8H14O	014129-48-7	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOA7

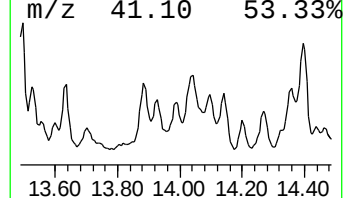
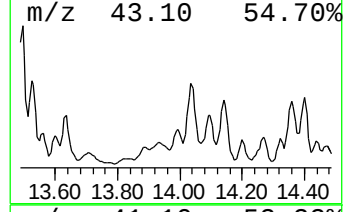
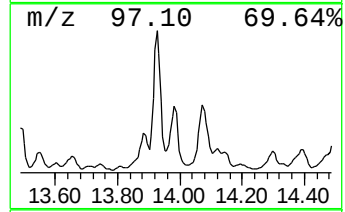
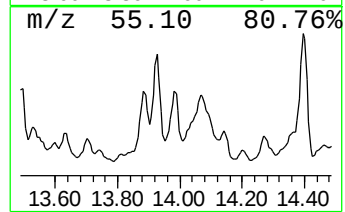
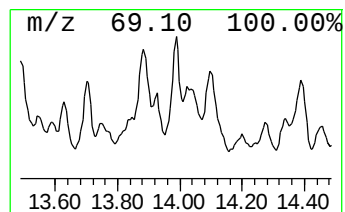
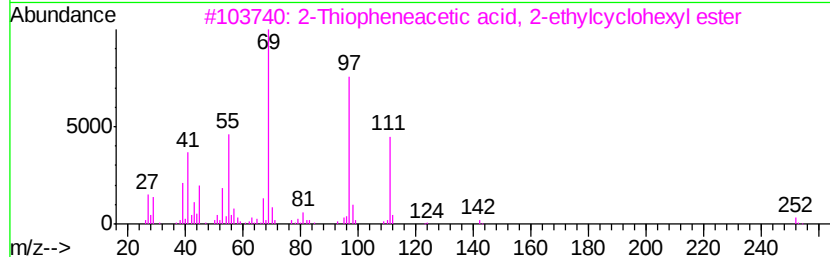
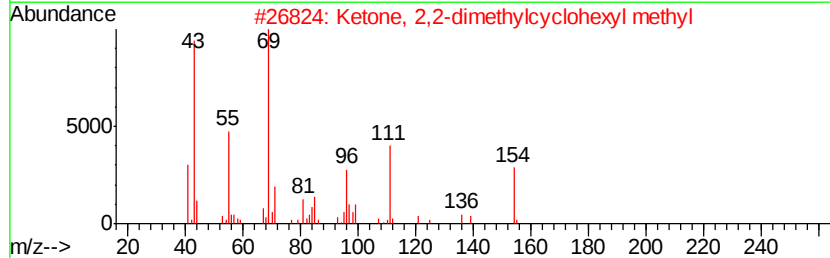
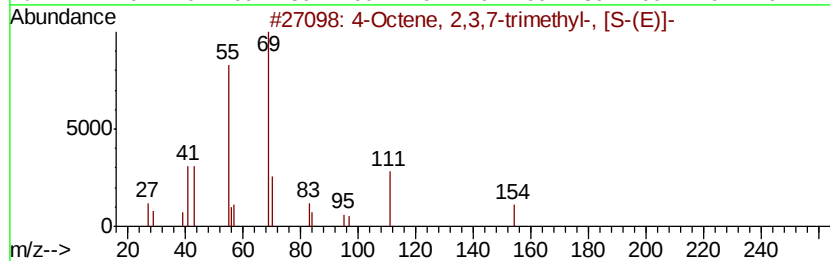
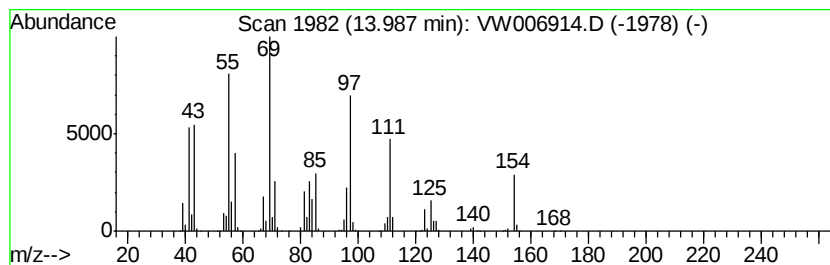
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Quant Title : VOC Analysis

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

Peak Number 51 (DEL) Alkane: Cyclic13.99 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.99	69.49 ug/L	1083750	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4-Octene, 2,3,7-trimethyl-, [S-(...	154	C11H22	052763-13-0	47
2		Ketone, 2,2-dimethylcyclohexyl m...	154	C10H18O	017983-26-5	47
3		2-Thiopheneacetic acid, 2-ethylc...	252	C14H20O2S	1000278-96-1	47
4		3-Hexene, 3-ethyl-2,5-dimethyl-	140	C10H20	062338-08-3	43
5		Cyclohexane, 1-ethyl-2-propyl-	154	C11H22	062238-33-9	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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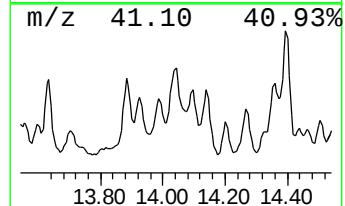
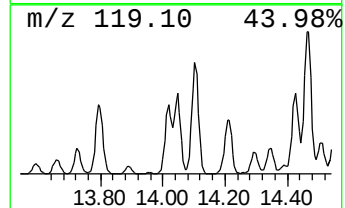
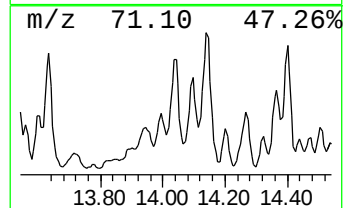
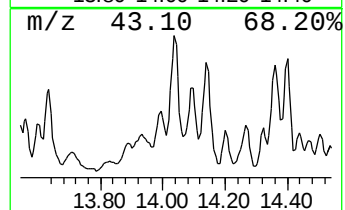
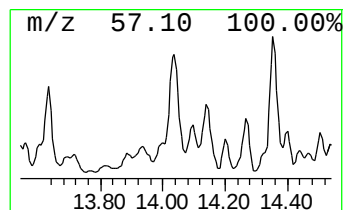
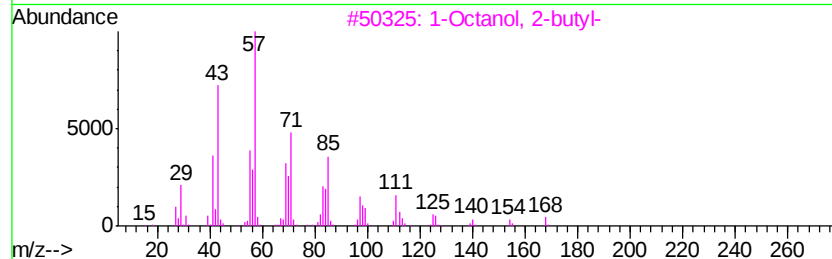
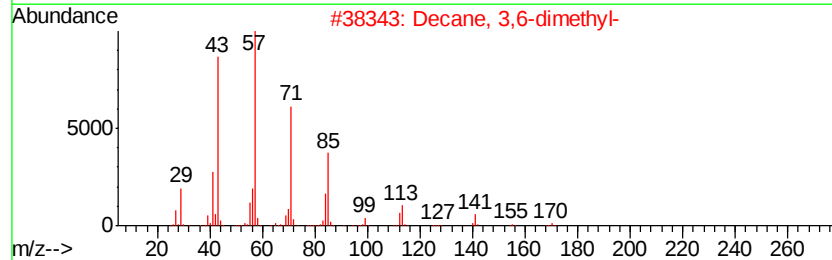
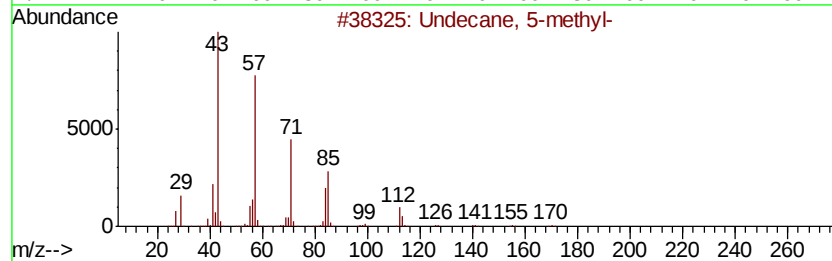
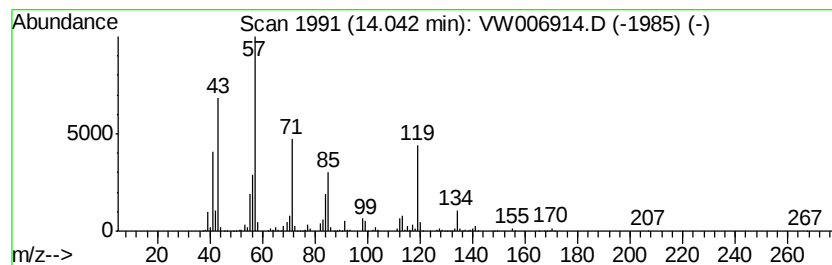
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Quant Title : VOC Analysis

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

Peak Number 52 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.04	173.93 ug/L	2712430	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 5-methyl-	170	C12H26	001632-70-8	64
2		Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	55
3		1-Octanol, 2-butyl-	186	C12H26O	003913-02-8	50
4		Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	49
5		Undecane, 5-methyl-	170	C12H26	001632-70-8	49



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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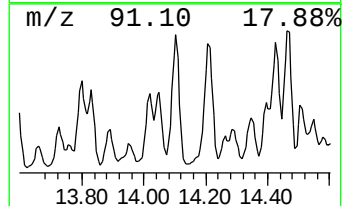
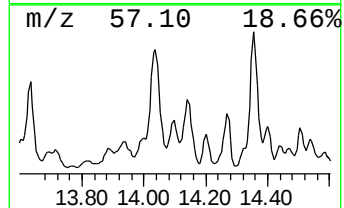
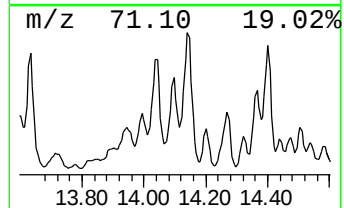
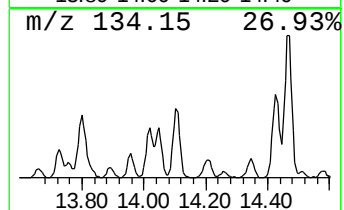
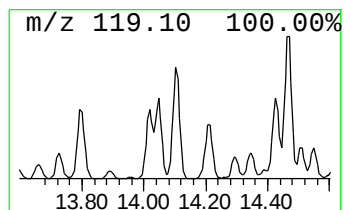
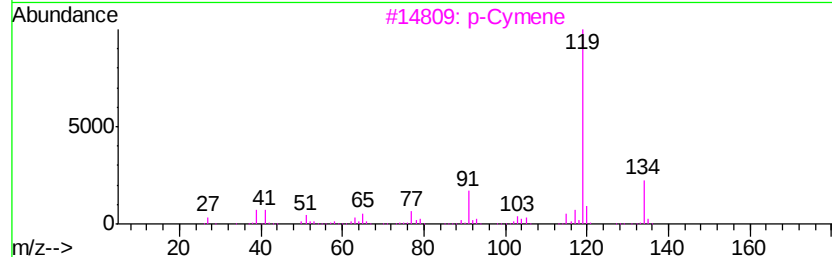
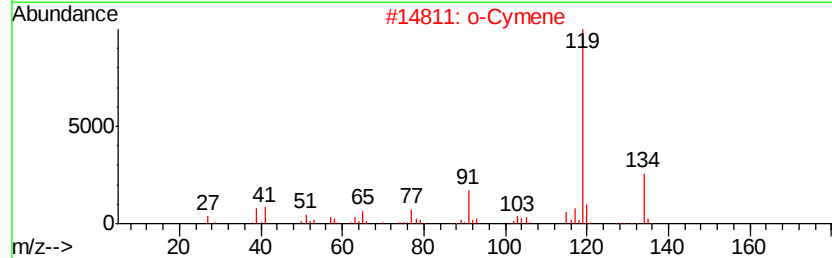
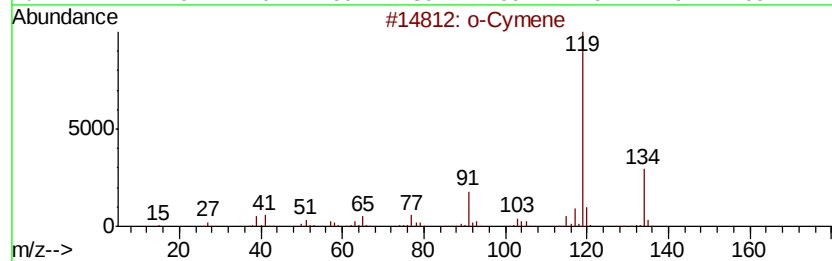
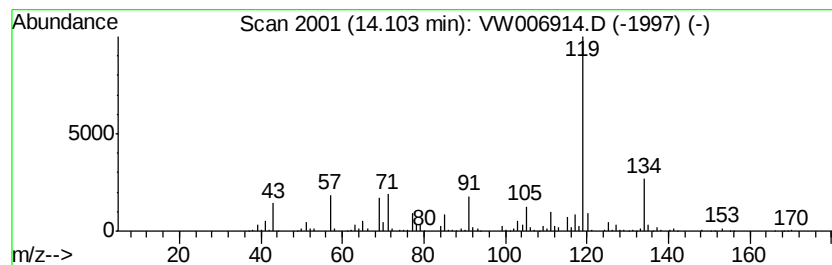
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Quant Title : VOC Analysis

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

Peak Number 53 o-Cymene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	92.35 ug/L	1440290	1,4-Dichlorobenzene-d4	13.57

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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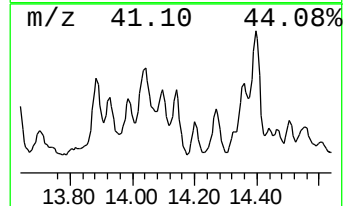
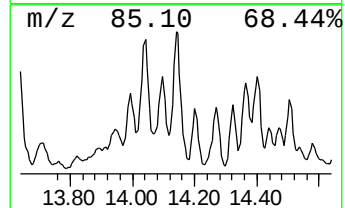
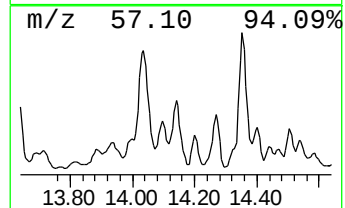
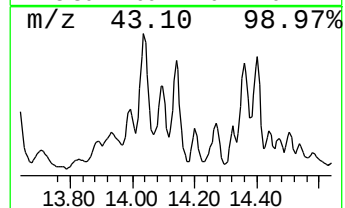
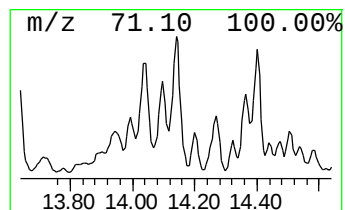
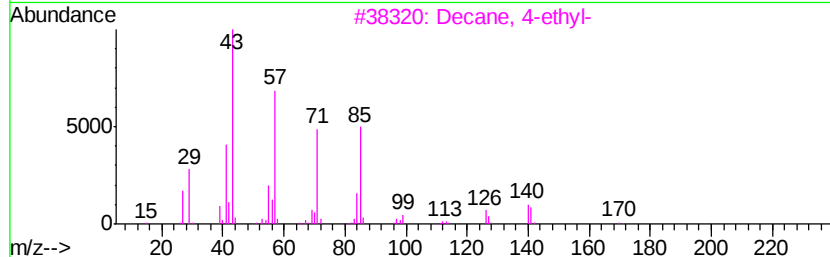
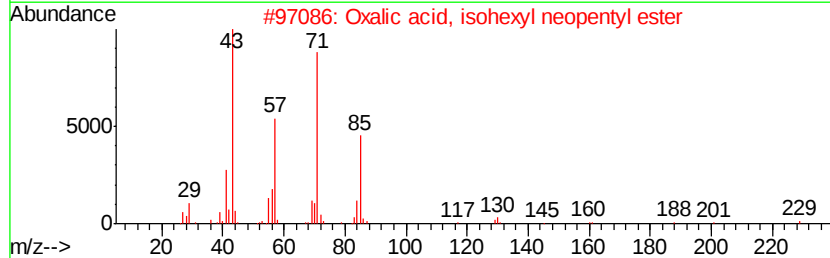
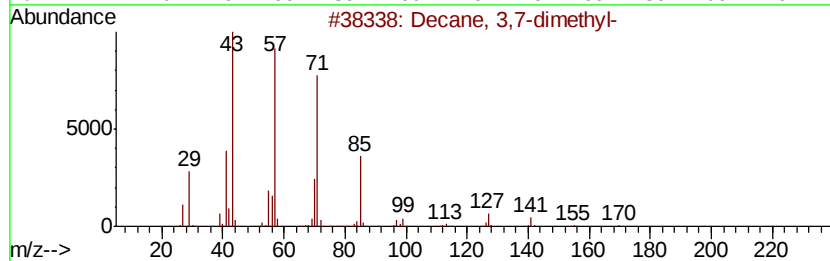
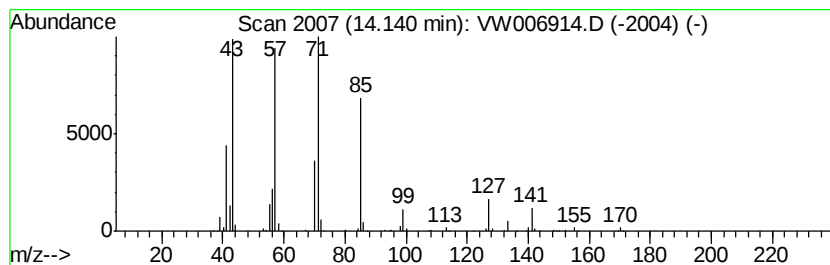
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Quant Title : VOC Analysis

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.14	63.50 ug/L	990224	1,4-Dichlorobenzene-d4	13.57

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	90
2			Oxalic acid, isohexyl neopentyl ...	244	C13H24O4	1000309-73-0	53
3			Decane, 4-ethyl-	170	C12H26	001636-44-8	52
4			Butanal, 4-[(tetrahydro-2H-pyran...	172	C9H16O3	054911-85-2	50
5			Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	49



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOA7

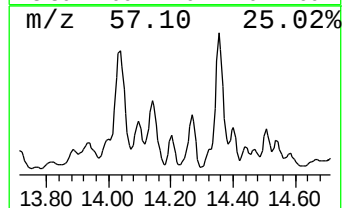
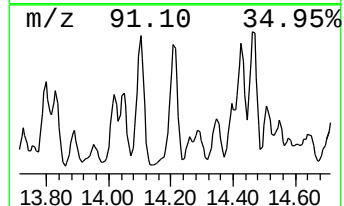
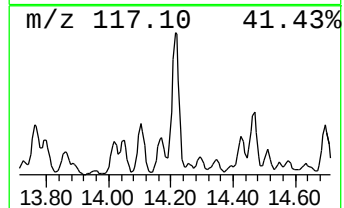
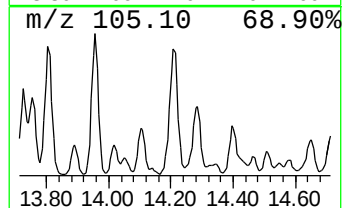
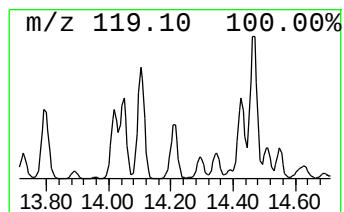
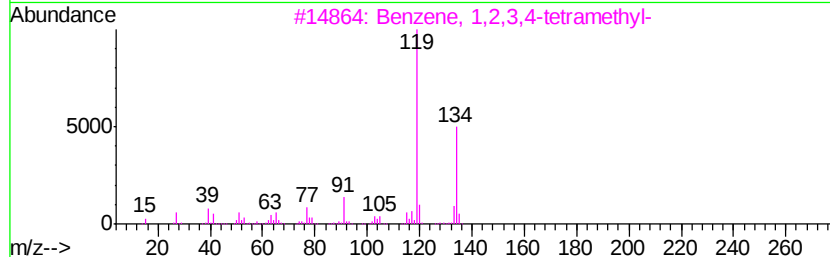
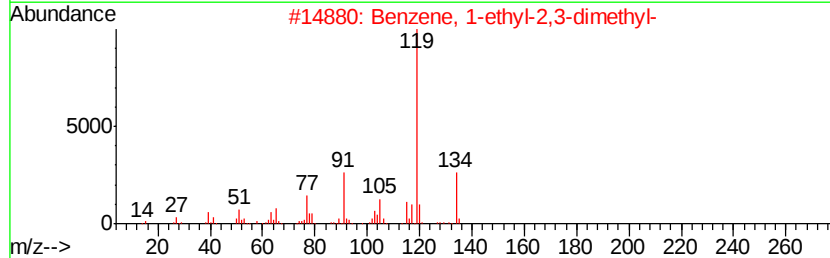
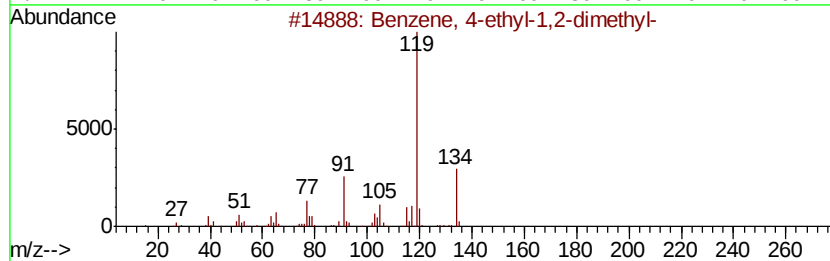
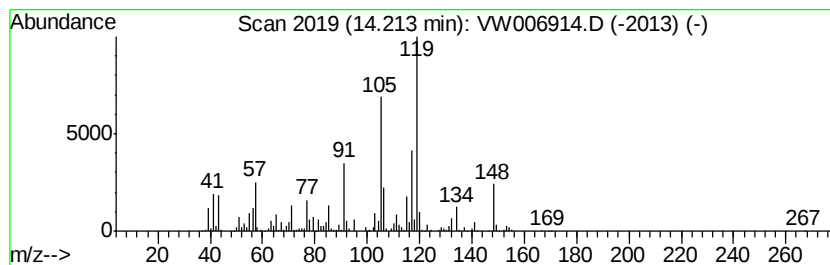
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Quant Title : VOC Analysis

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

Peak Number 55 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	56.96 ug/L	888281	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	55
2		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	55
3		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	50
4		1,3,5-Cycloheptatriene, 3,7,7-tr...	134	C10H14	003479-89-8	46
5		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	46



Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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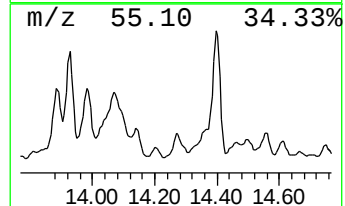
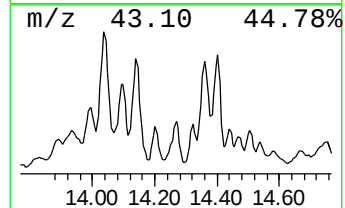
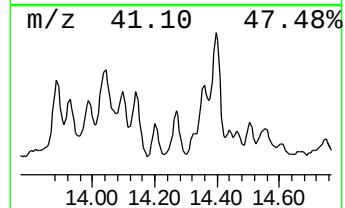
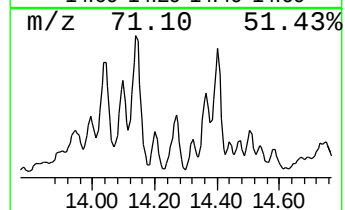
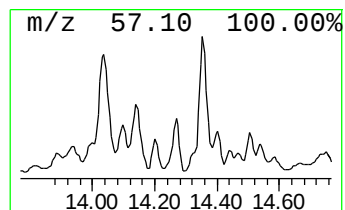
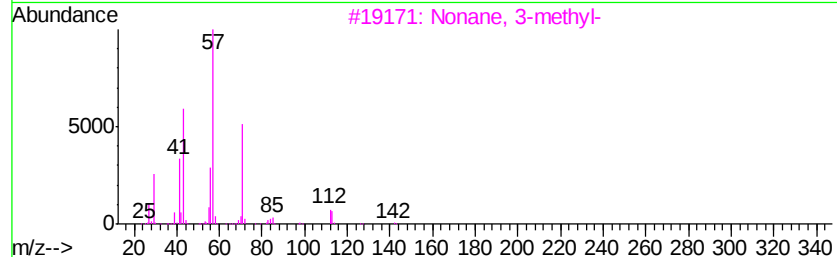
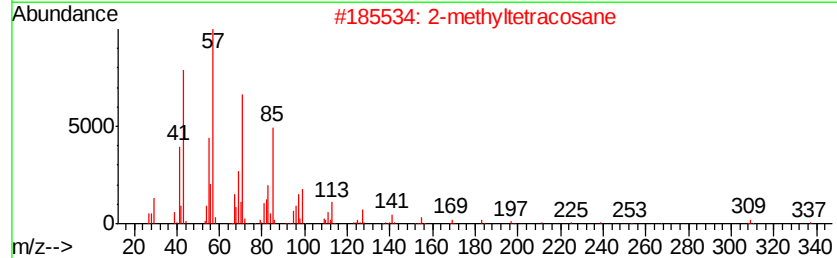
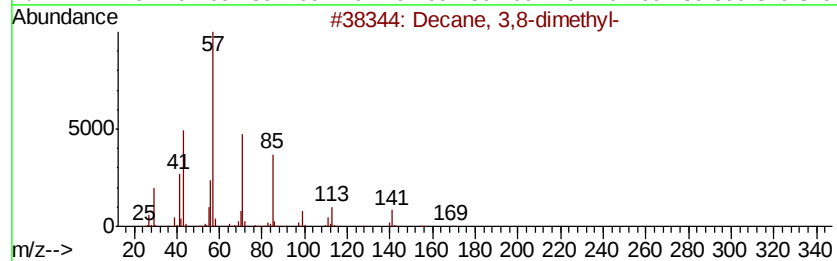
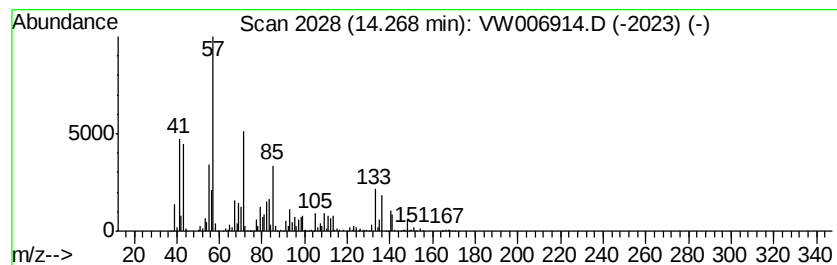
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Quant Title : VOC Analysis

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

Peak Number 56 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.27	58.41 ug/L	910861	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	53
2		2-methyltetracosane	352	C25H52	1000376-72-6	52
3		Nonane, 3-methyl-	142	C10H22	005911-04-6	50
4		Octane, 3,4,5,6-tetramethyl-	170	C12H26	062185-21-1	50
5		Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	49



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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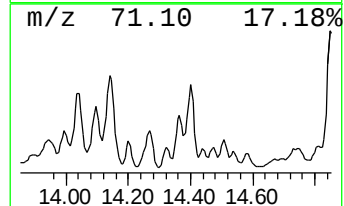
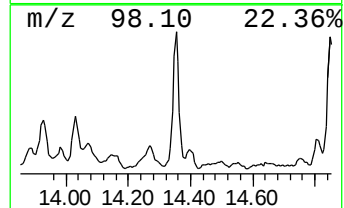
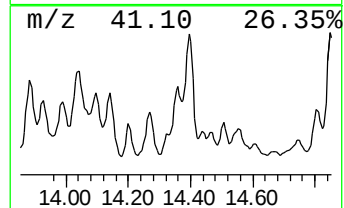
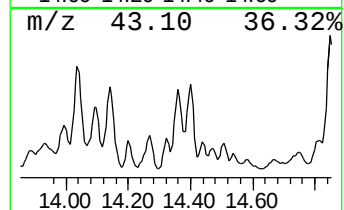
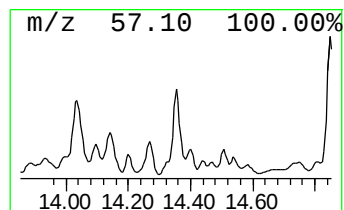
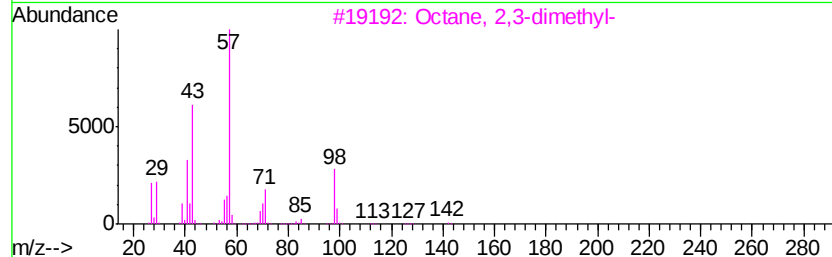
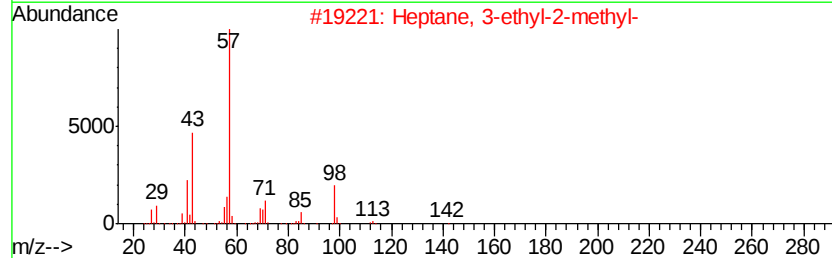
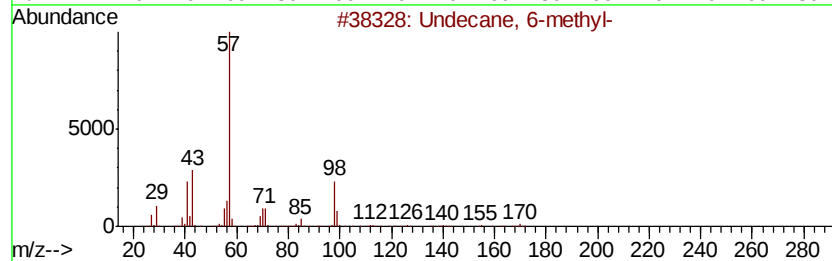
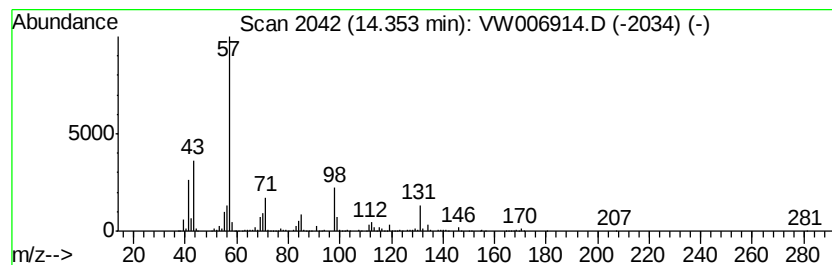
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Quant Title : VOC Analysis

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

Peak Number 57 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.35	95.94 ug/L	1496190	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 6-methyl-	170	C12H26	017302-33-9	60
2		Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	53
3		Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	50
4		Heptane, 3-ethyl-	128	C9H20	015869-80-4	50
5		Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOA7

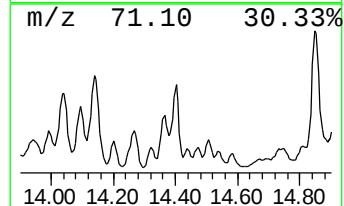
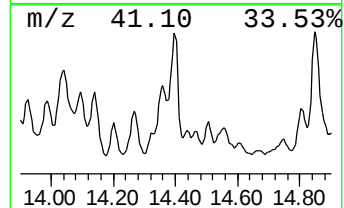
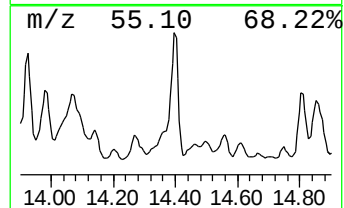
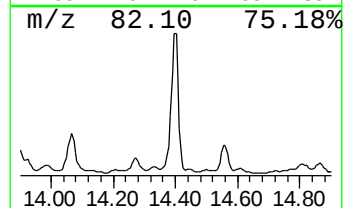
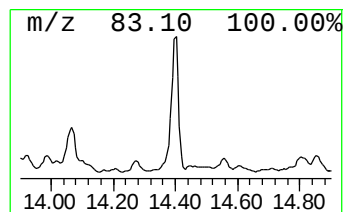
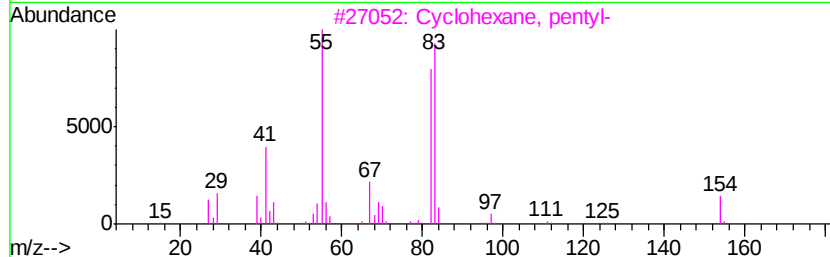
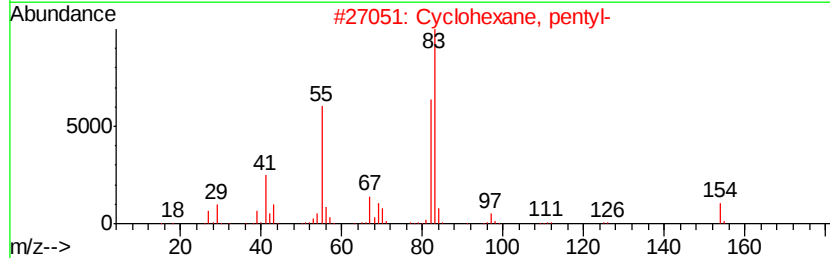
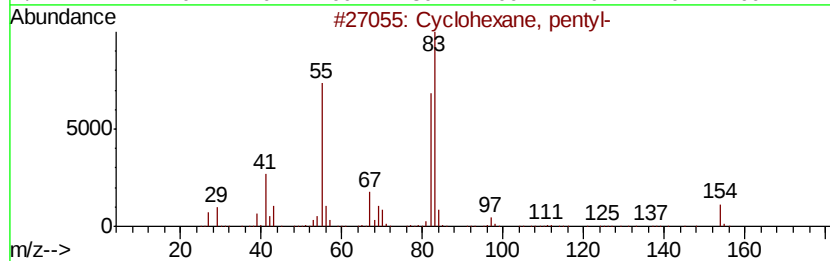
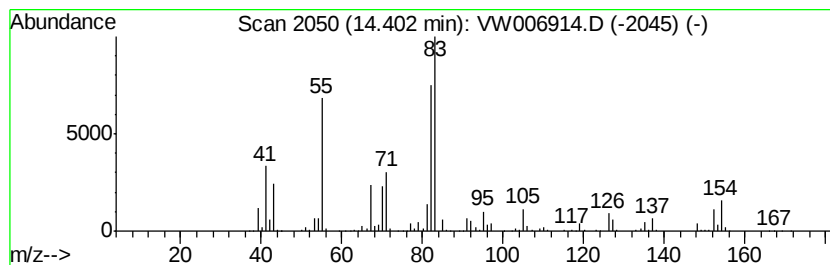
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Quant Title : VOC Analysis

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

Peak Number 58 (DEL) Alkane: Cyclic14.40 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.40	153.36 ug/L	2391720	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, pentyl-	154	C11H22	004292-92-6	62
2		Cyclohexane, pentyl-	154	C11H22	004292-92-6	62
3		Cyclohexane, pentyl-	154	C11H22	004292-92-6	58
4		Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	53
5		Cyclohexane, butyl-	140	C10H20	001678-93-9	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOA7

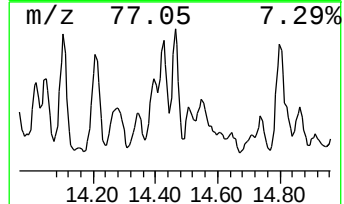
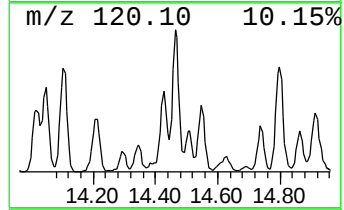
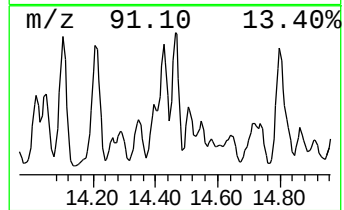
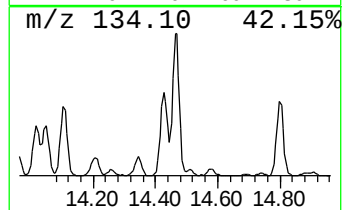
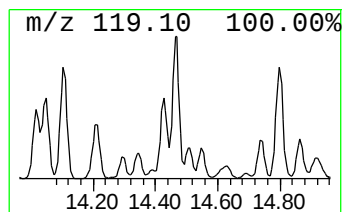
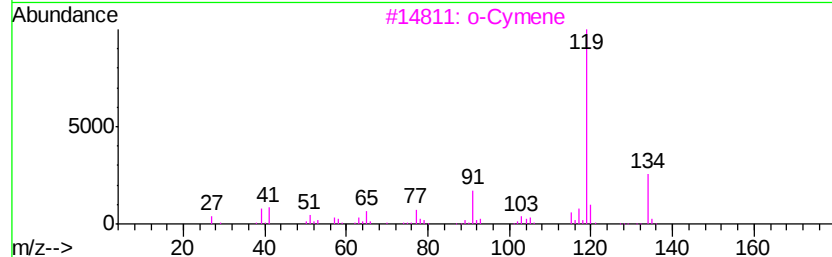
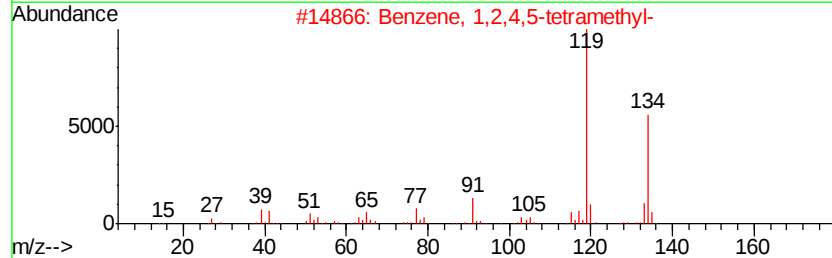
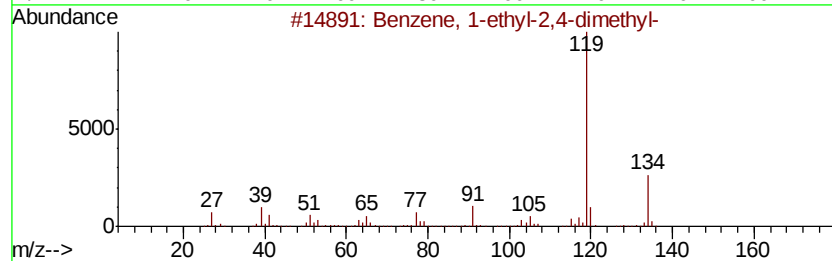
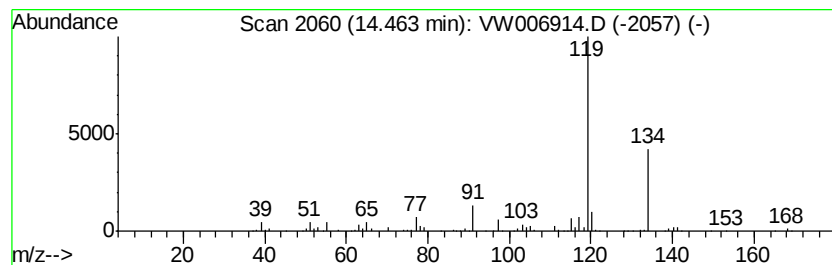
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Quant Title : VOC Analysis

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

Peak Number 59 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.46	46.94 ug/L	732101	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	90
2		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	90
3		o-Cymene	134	C10H14	000527-84-4	90
4		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	90
5		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOA7

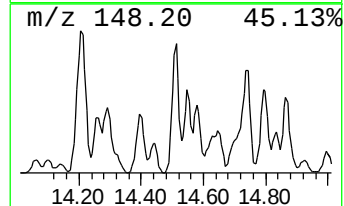
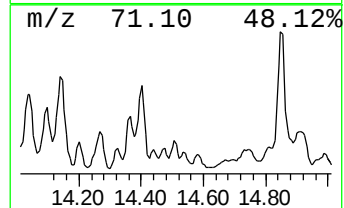
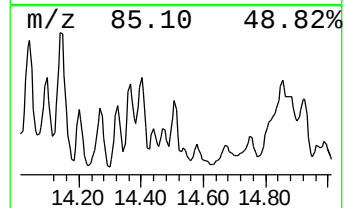
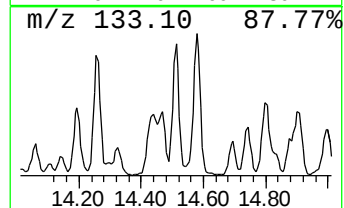
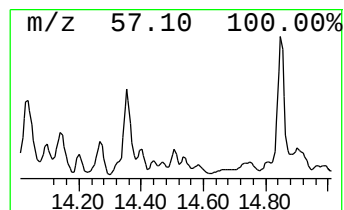
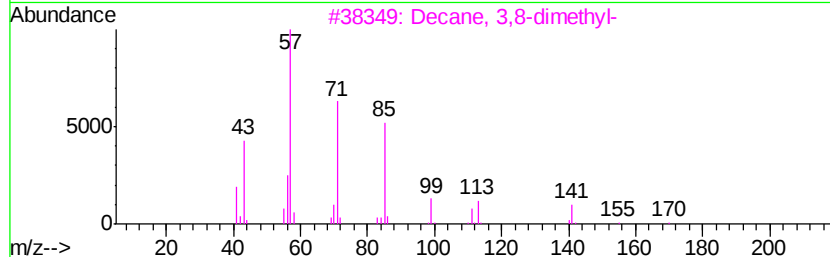
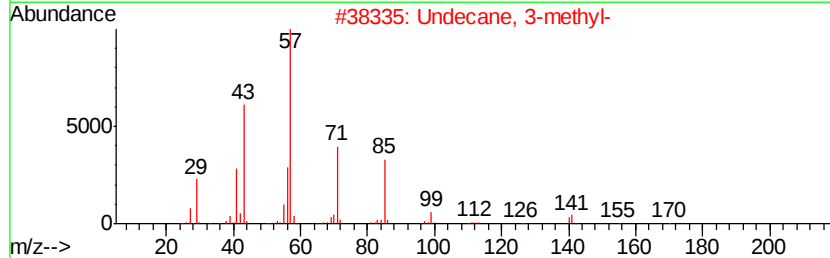
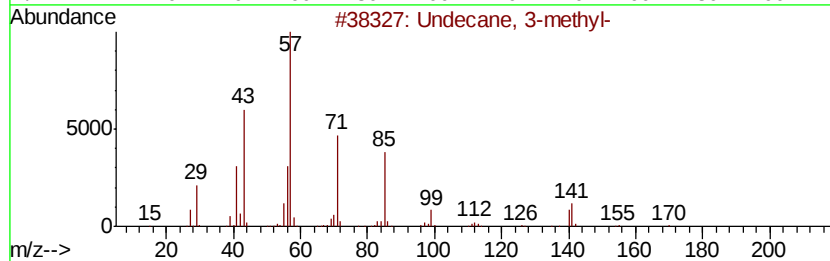
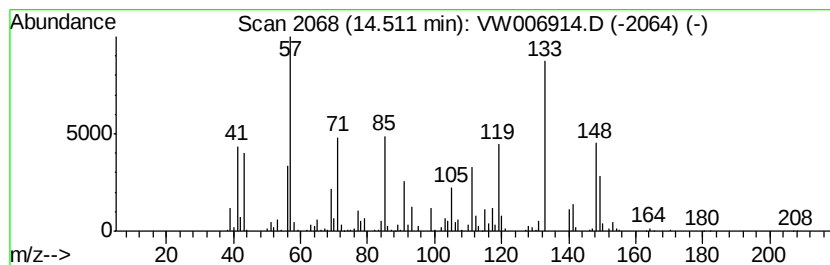
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Quant Title : VOC Analysis

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

Peak Number 60 (DEL) Alkane: Straight-Chai... Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.51	25.79 ug/L	402127	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 3-methyl-	170	C12H26	001002-43-3	60
2		Undecane, 3-methyl-	170	C12H26	001002-43-3	47
3		Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	46
4		Dodecane, 3-methyl-	184	C13H28	017312-57-1	43
5		9-methylheptadecane	254	C18H38	026741-18-4	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOA7

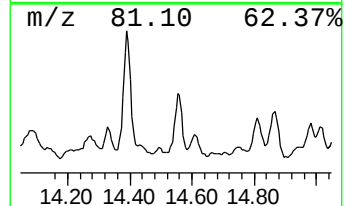
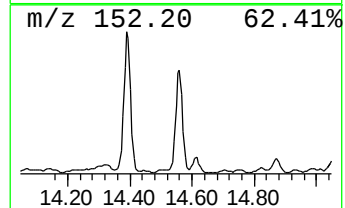
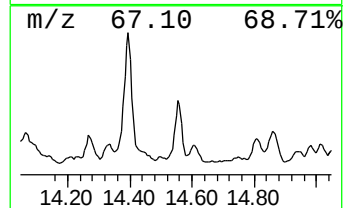
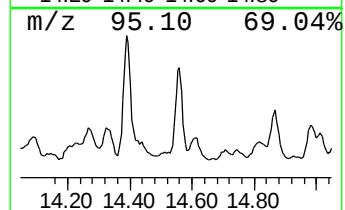
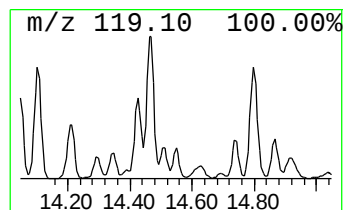
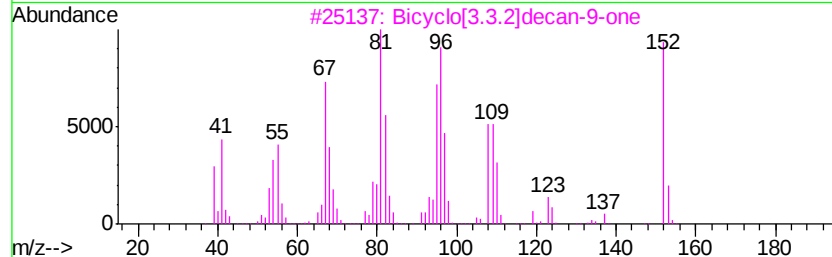
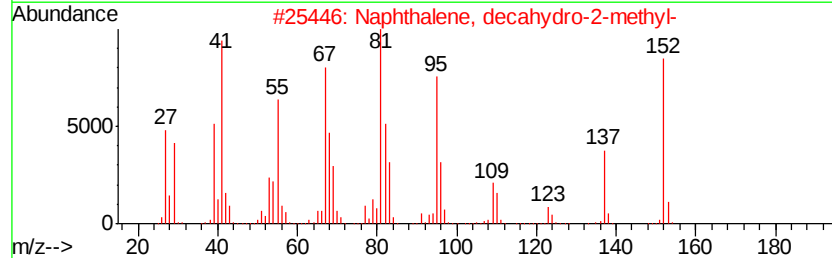
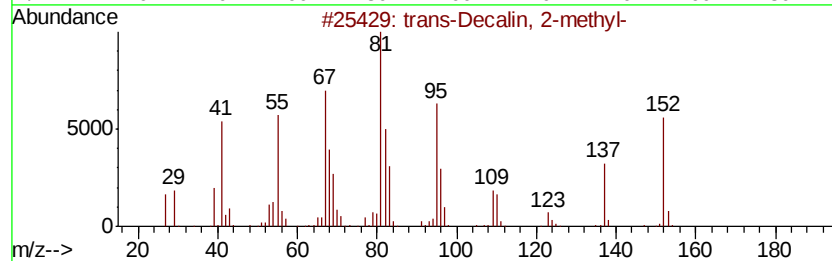
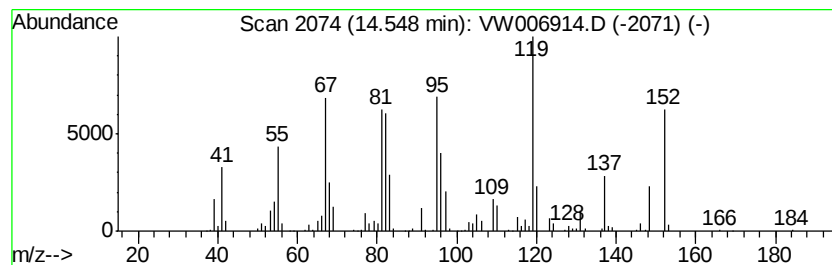
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Quant Title : VOC Analysis

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

Peak Number 61 trans-Decalin, 2-methyl- Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.55	36.33 ug/L	566627	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	70
2		Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	70
3		Bicyclo[3.3.2]decan-9-one	152	C10H16O	028054-91-3	58
4		1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	46
5		Bicyclo[4.1.0]heptan-2-one, 3,5,...	152	C10H16O	029750-24-1	46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOA7

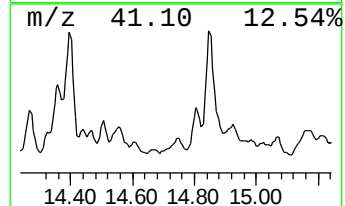
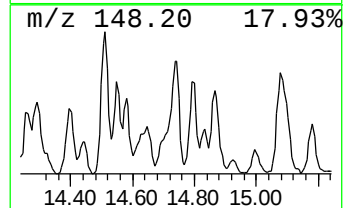
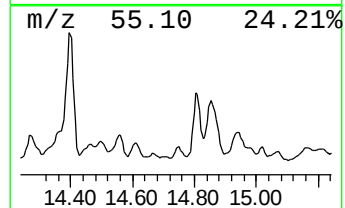
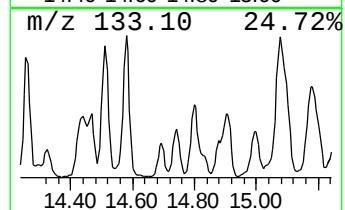
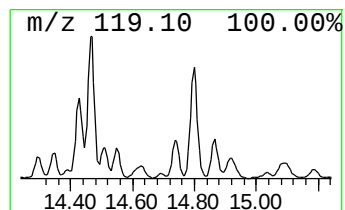
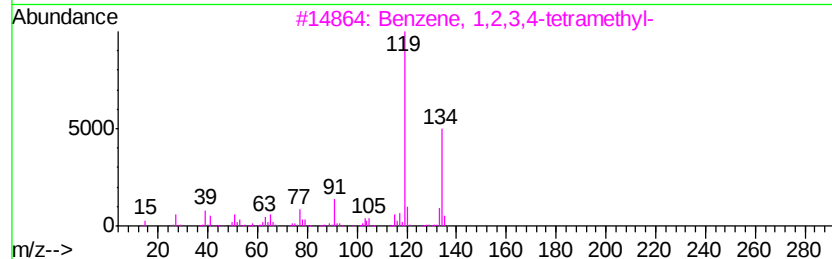
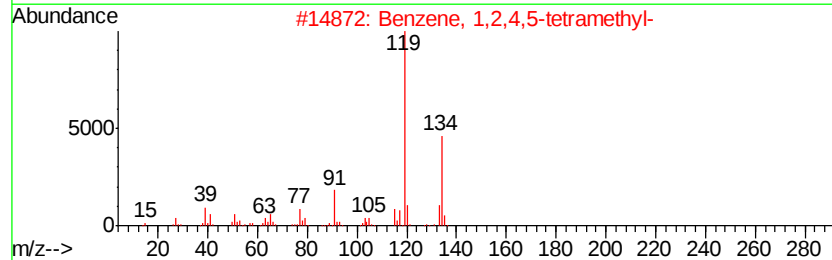
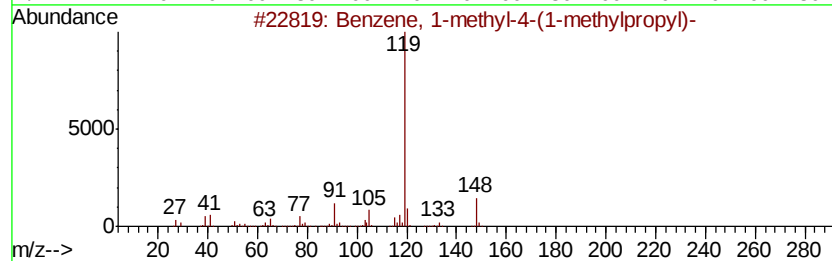
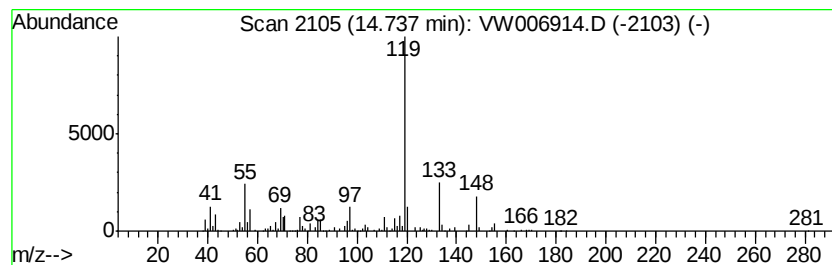
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Quant Title : VOC Analysis

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

Peak Number 62 unknown-02 Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.74	19.80 ug/L	308839	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	49
2		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	43
3		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	43
4		5-Chlorovaleric acid, 3-tetradec...	332	C19H37ClO2	1000299-91-7	43
5		2-Propenal, 3-(2-pyridinylamino)-	148	C8H8N2O	068970-82-1	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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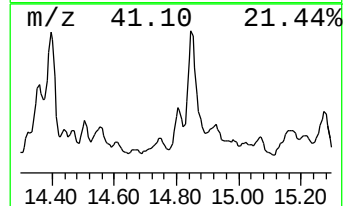
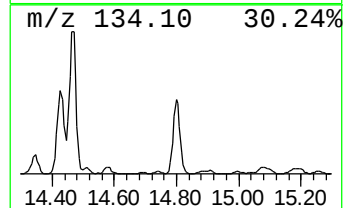
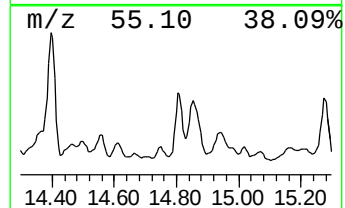
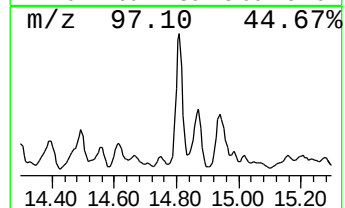
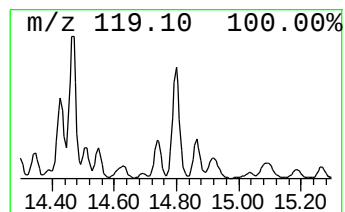
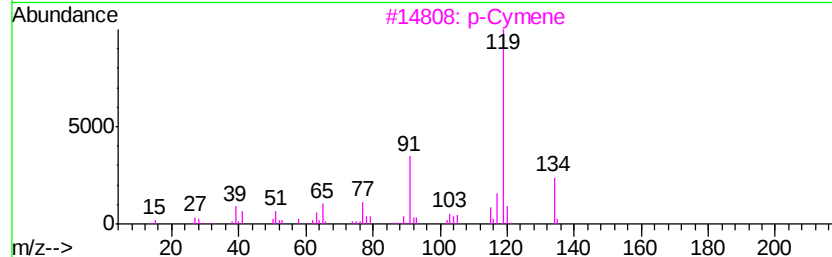
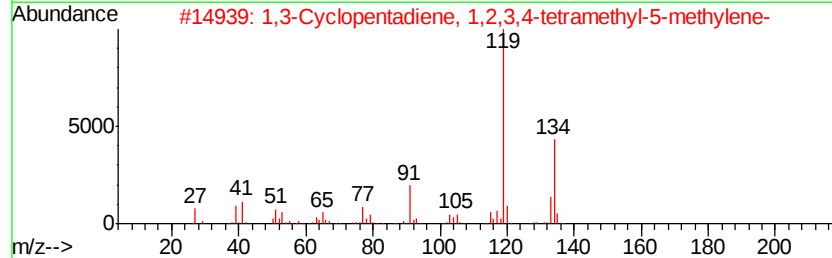
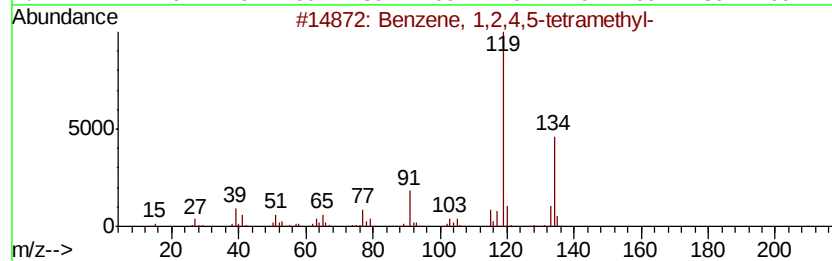
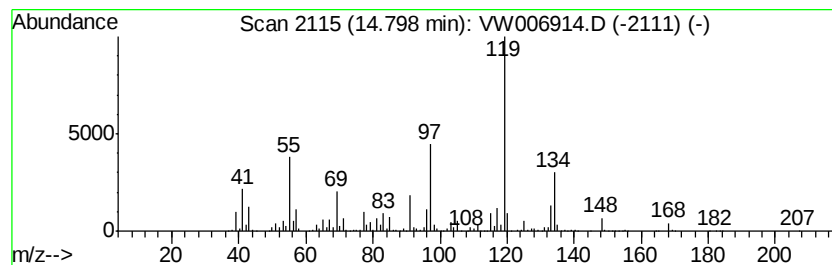
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Quant Title : VOC Analysis

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

Peak Number 63 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	98.13 ug/L	1530390	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	86
2		1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	83
3		p-Cymene	134	C10H14	000099-87-6	50
4		o-Cymene	134	C10H14	000527-84-4	46
5		o-Cymene	134	C10H14	000527-84-4	46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOA7

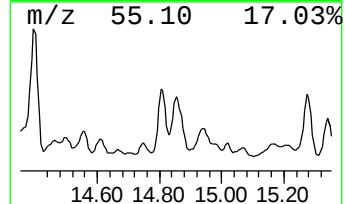
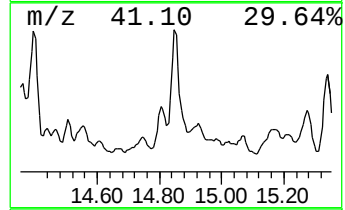
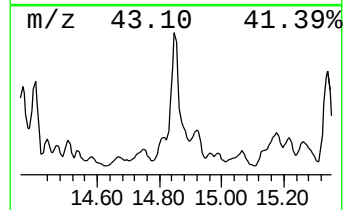
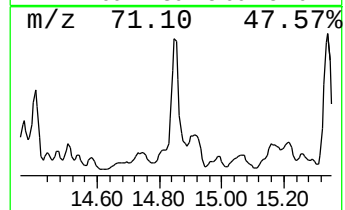
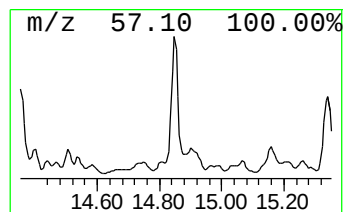
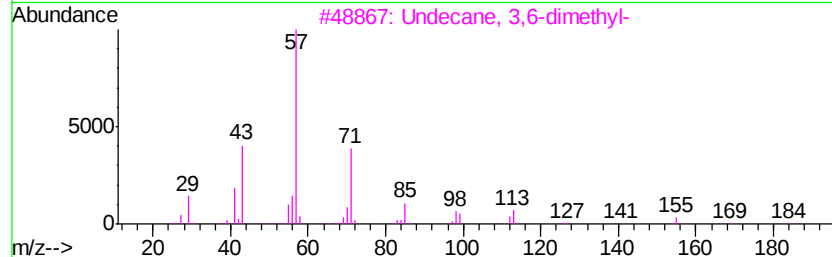
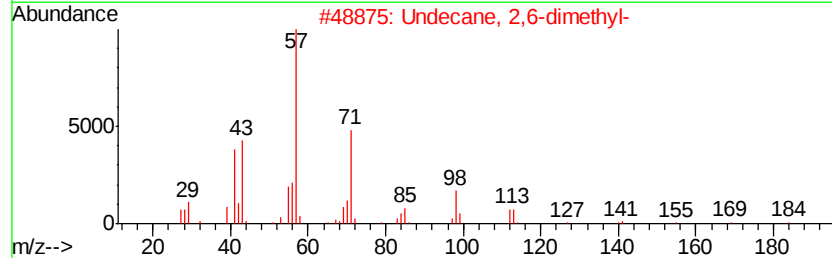
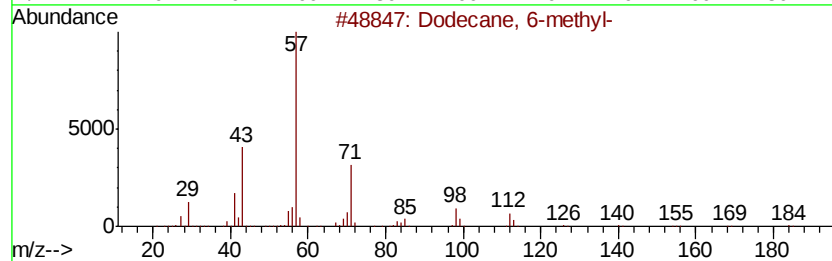
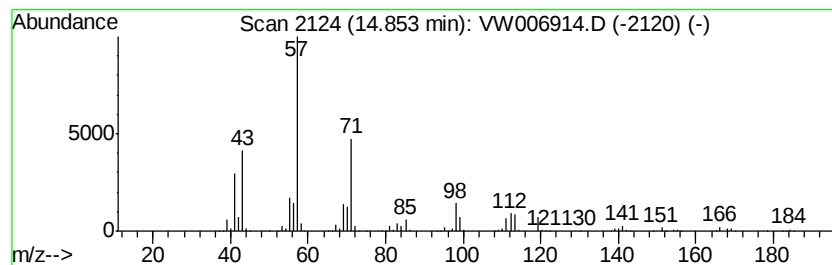
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Quant Title : VOC Analysis

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

Peak Number 64 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	133.78 ug/L	2086330	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 6-methyl-	184	C13H28	006044-71-9	87
2		Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	87
3		Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	81
4		Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	64
5		Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	60



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOA7

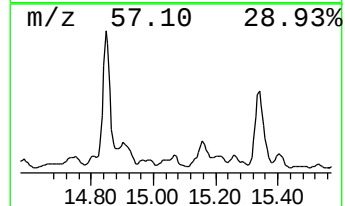
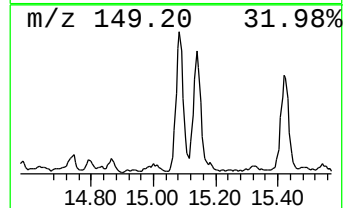
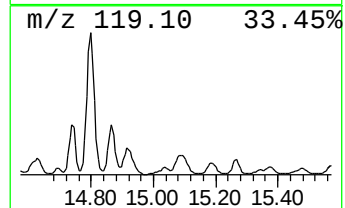
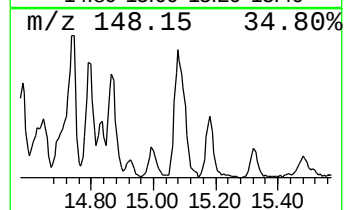
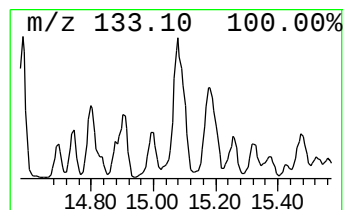
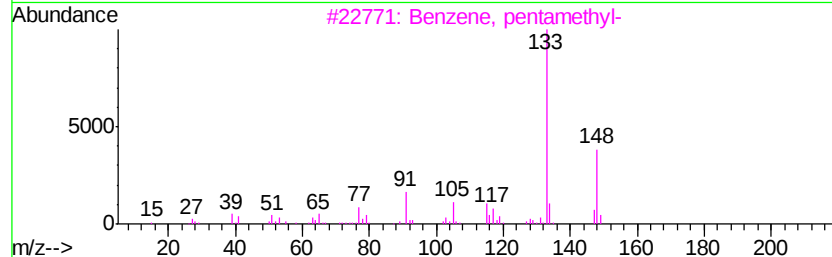
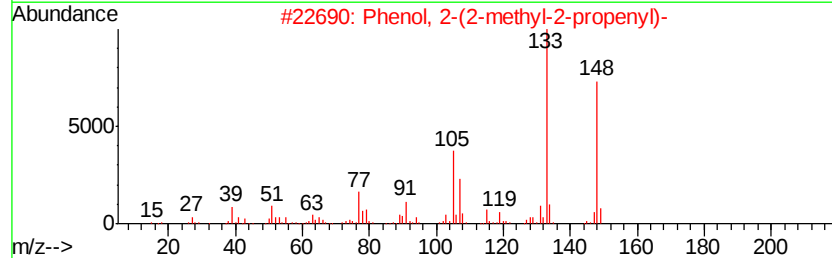
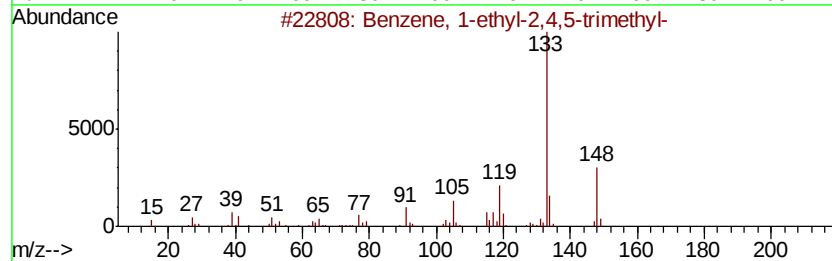
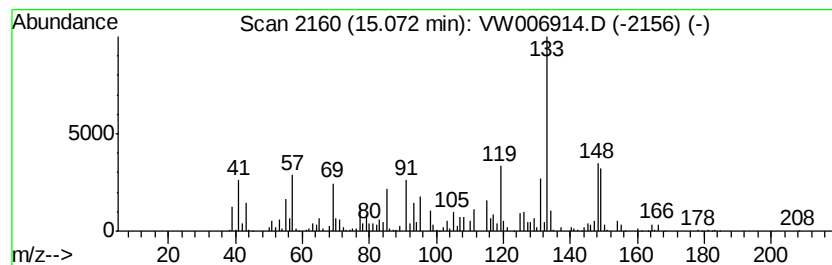
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Quant Title : VOC Analysis

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

Peak Number 65 unknown-03 Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	27.58 ug/L	430158	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	49
2		Phenol, 2-(2-methyl-2-propenyl)-	148	C10H12O	020944-88-1	47
3		Benzene, pentamethyl-	148	C11H16	000700-12-9	46
4		Benzene, 1,3-dimethyl-5-(1-methyl-2-propenyl)-	148	C11H16	004706-90-5	46
5		Ethanone, 1-(4-ethylphenyl)-	148	C10H12O	000937-30-4	45



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOA7

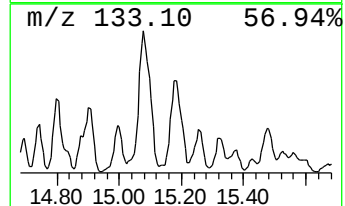
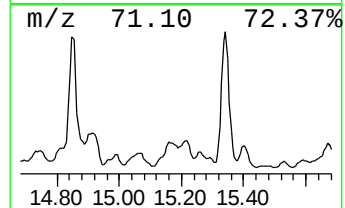
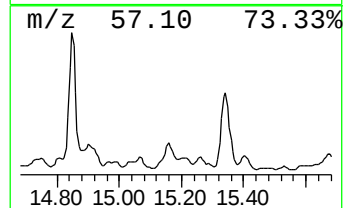
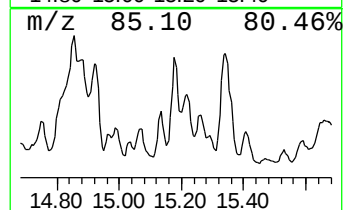
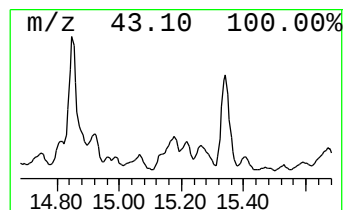
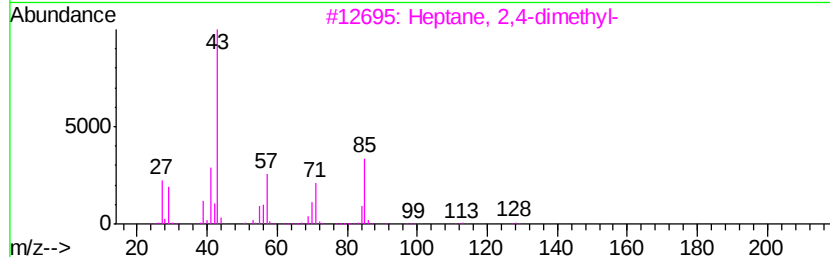
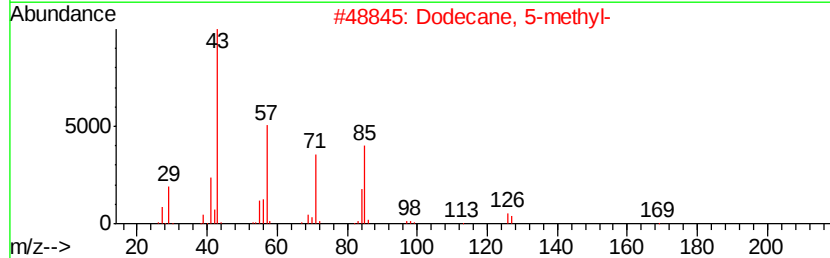
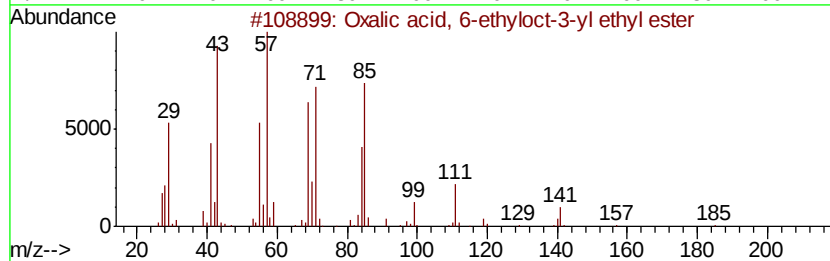
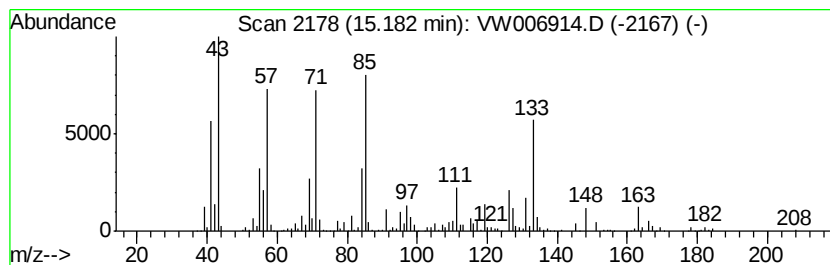
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Quant Title : VOC Analysis

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

Peak Number 66 unknown-04 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.18	85.27 ug/L	1329740	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Oxalic acid, 6-ethyloct-3-yl eth...	258	C14H26O4	1000309-33-9	47
2		Dodecane, 5-methyl-	184	C13H28	017453-93-9	47
3		Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	46
4		Undecane, 2,4-dimethyl-	184	C13H28	017312-80-0	43
5		Hexadecane	226	C16H34	000544-76-3	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOA7

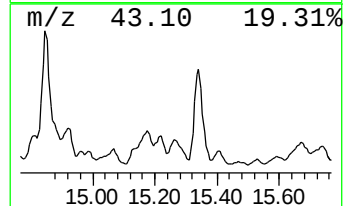
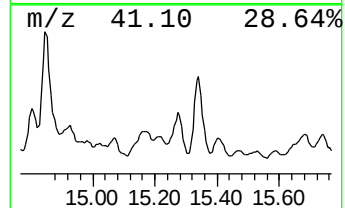
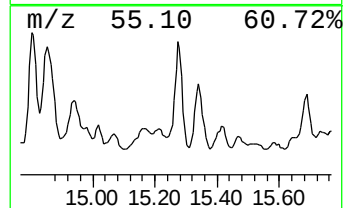
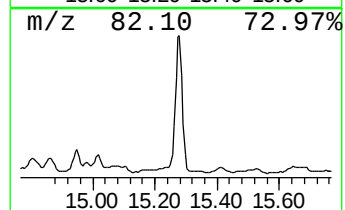
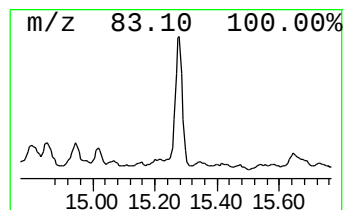
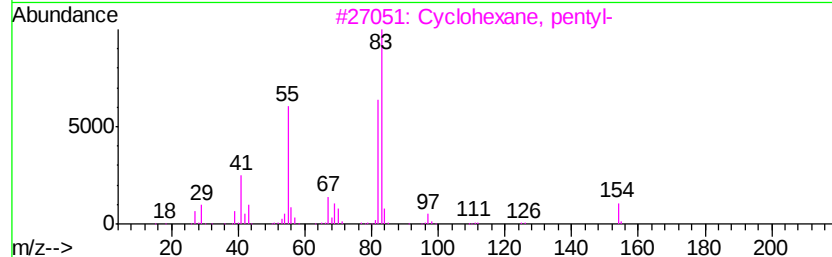
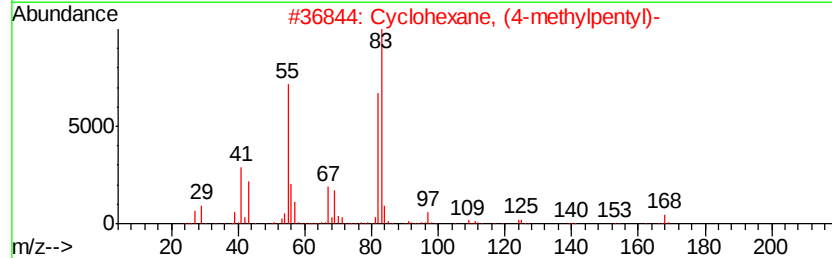
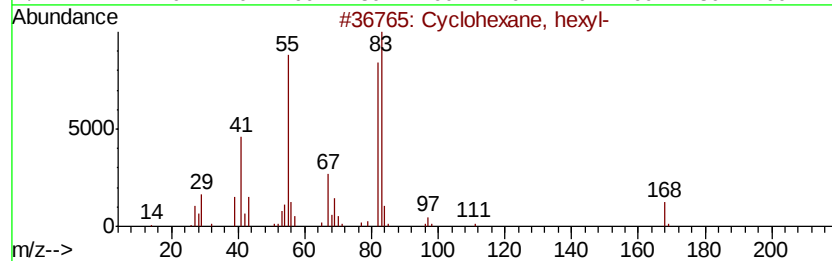
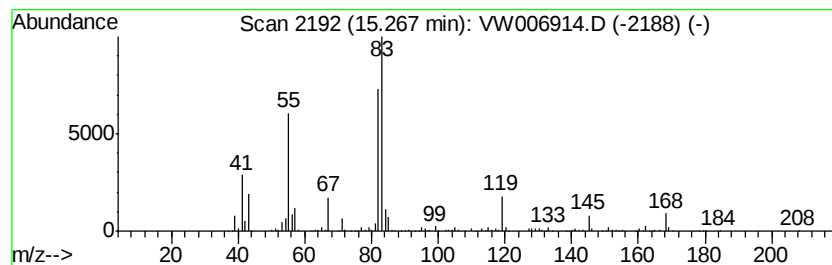
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Quant Title : VOC Analysis

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

Peak Number 67 (DEL) Alkane: Cyclic15.27 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.27	61.14 ug/L	953437	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, hexyl-	168	C12H24	004292-75-5	86
2		Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	78
3		Cyclohexane, pentyl-	154	C11H22	004292-92-6	72
4		Cyclohexane, hexyl-	168	C12H24	004292-75-5	72
5		Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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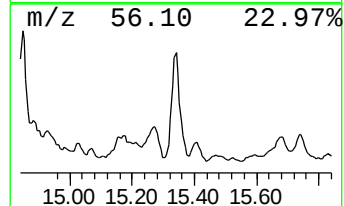
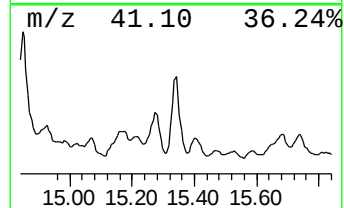
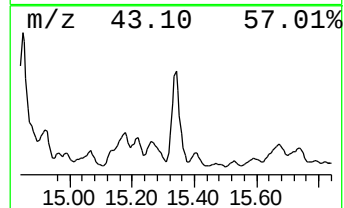
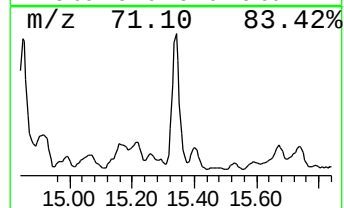
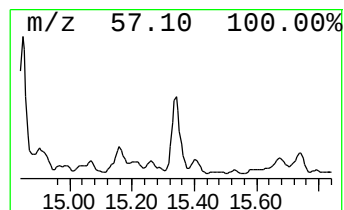
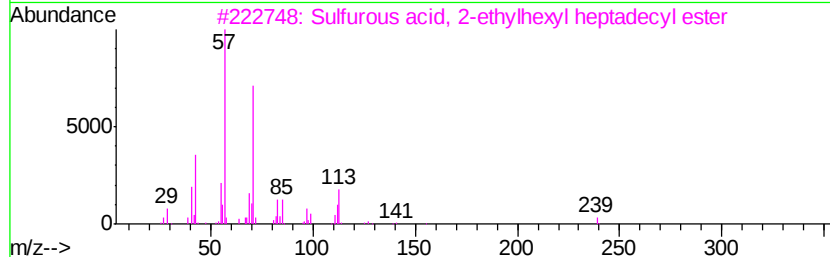
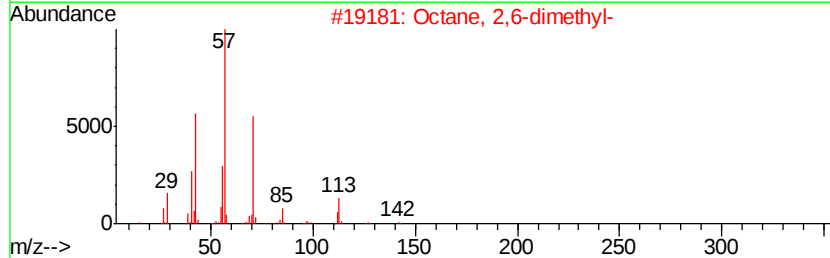
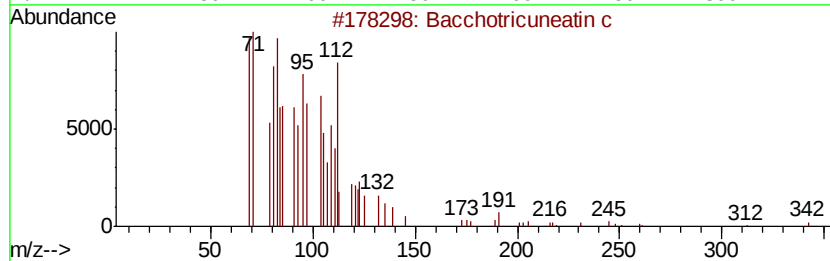
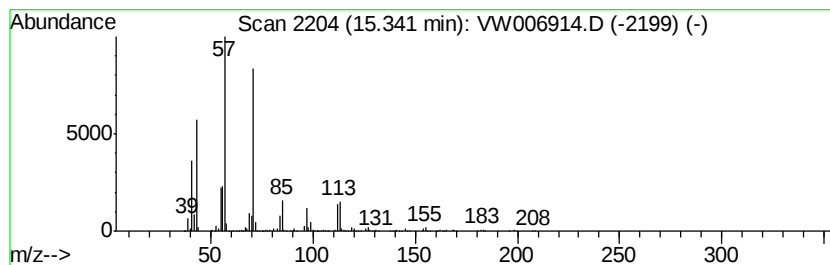
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Quant Title : VOC Analysis

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

Peak Number 68 Bacchotricuneatin c Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	96.72 ug/L	1508380	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bacchotricuneatin c	342	C20H22O5	066563-30-2	83
2		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	78
3		Sulfurous acid, 2-ethylhexyl hep...	432	C25H52O3S	1000309-20-0	78
4		Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	72
5		Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOA7

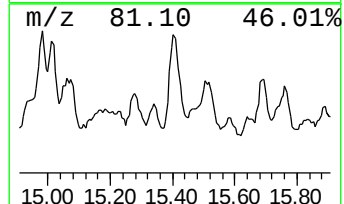
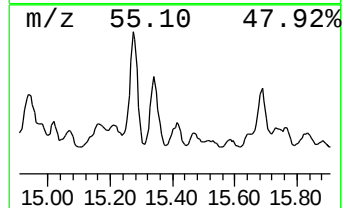
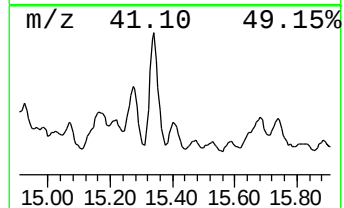
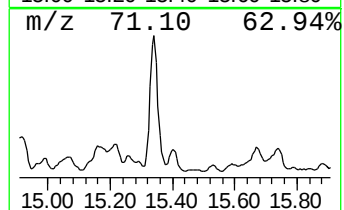
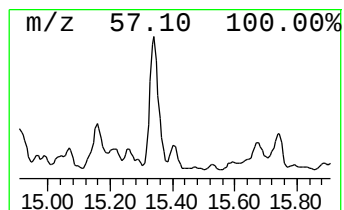
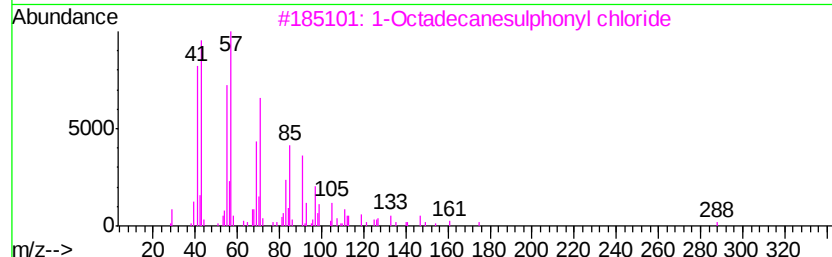
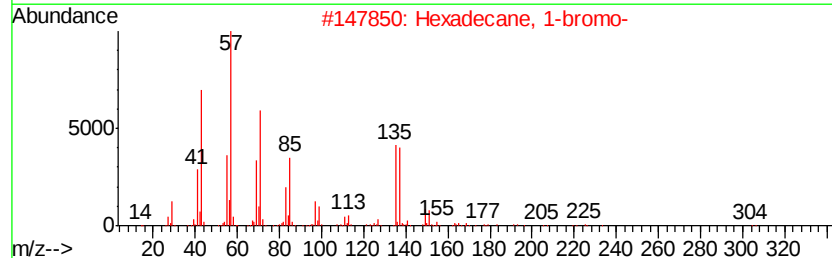
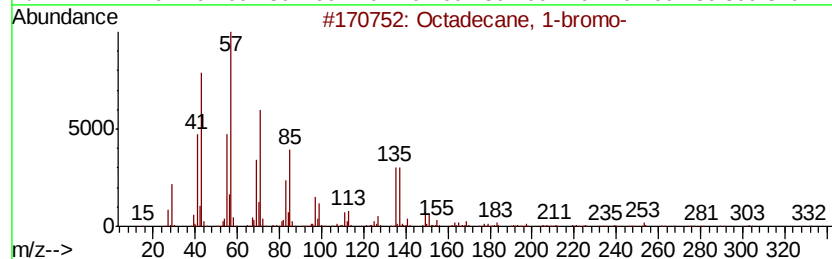
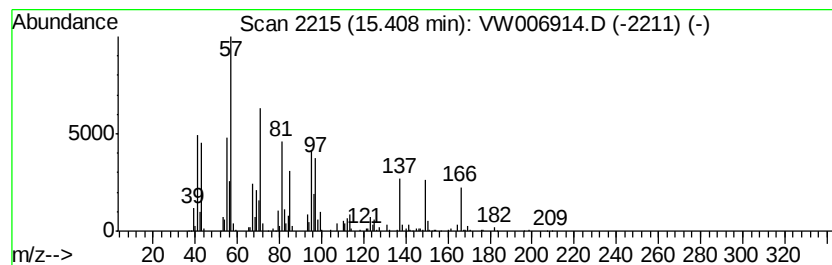
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Quant Title : VOC Analysis

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

Peak Number 69 unknown-05 Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.41	22.93 ug/L	357635	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecane, 1-bromo-	332	C18H37Br	000112-89-0	35
2		Hexadecane, 1-bromo-	304	C16H33Br	000112-82-3	27
3		1-Octadecanesulphonyl chloride	352	C18H37ClO2S	1000342-70-4	22
4		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	18
5		Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	14



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

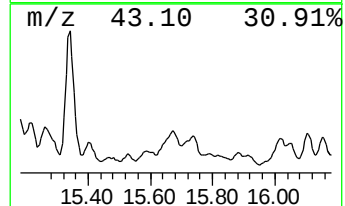
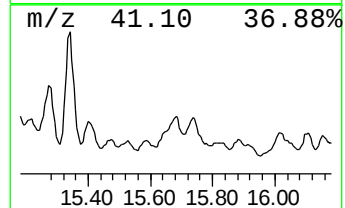
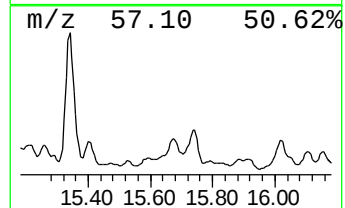
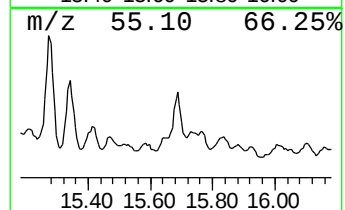
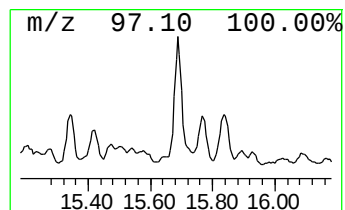
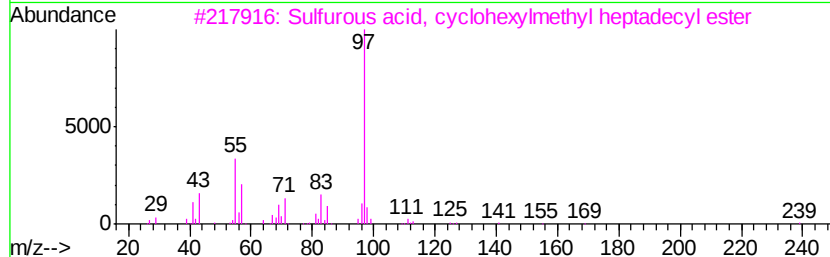
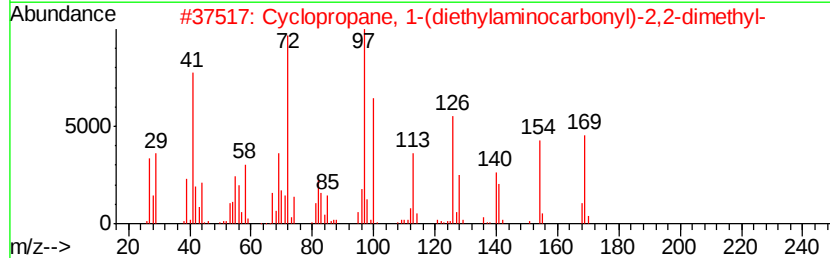
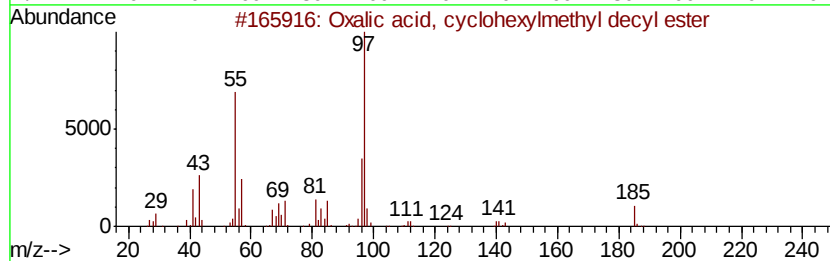
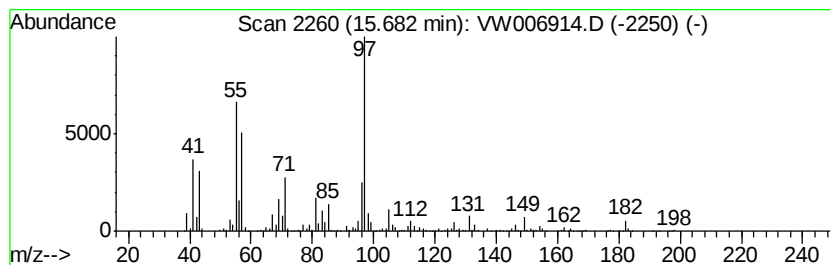
Instrument :
MSVOA_W
ClientSampleId :
ETOA7

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Quant Title : VOC Analysis

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

Peak Number 70 Oxalic acid, cyclohexylmeth... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.		
15.68	56.28 ug/L	877688	1,4-Dichlorobenzene-d4	13.57		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, cvclohexvlmethvl de...	326	C19H34O4	1000309-68-7	72	
2	Cyclopropane, 1-(diethylaminocar...	169	C10H19NO	1000154-89-6	60	
3	Sulfurous acid, cvclohexvlmethvl...	416	C24H48O3S	1000309-22-5	59	
4	Sulfurous acid, cvclohexvlmethvl...	402	C23H46O3S	1000309-22-4	58	
5	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	53	



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOA7

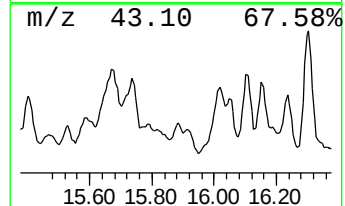
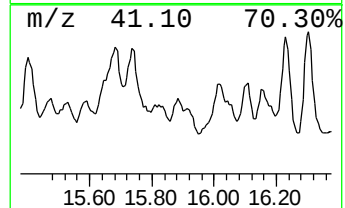
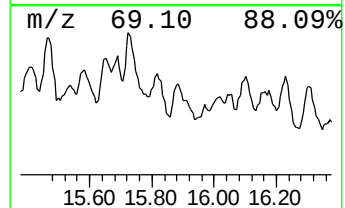
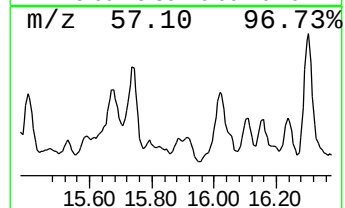
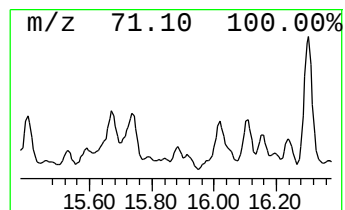
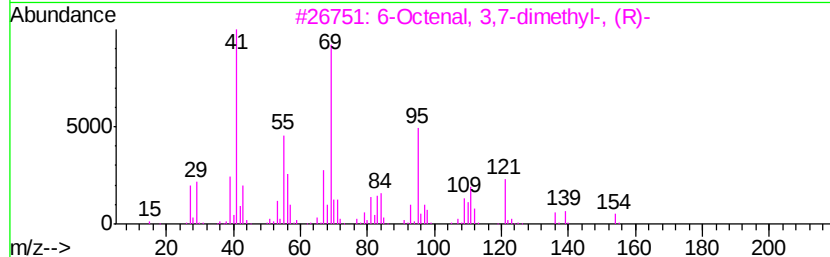
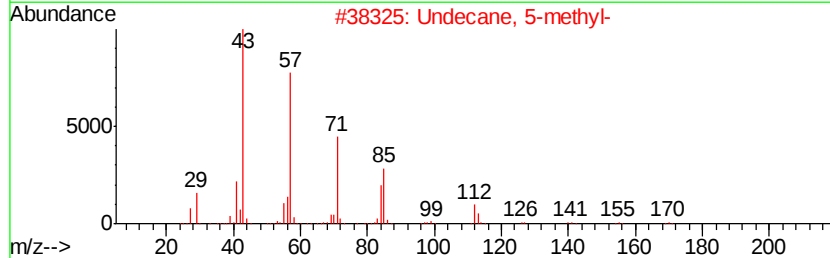
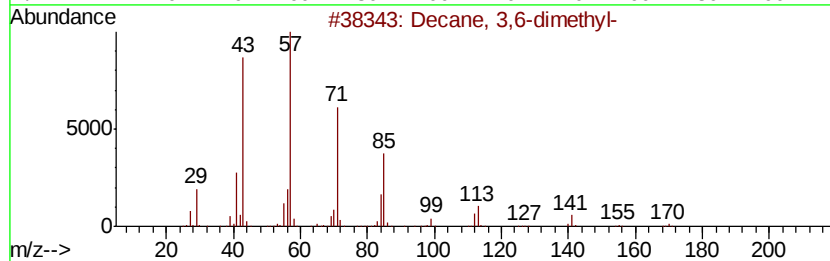
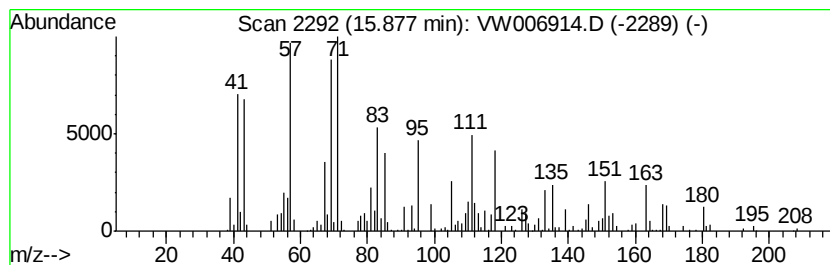
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Quant Title : VOC Analysis

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

Peak Number 71 (DEL) Alkane: Straight-Chai... Concentration Rank 74

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.88	9.45 ug/L	147388	1,4-Dichlorobenzene-d4	13.57

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	38
2			Undecane, 5-methyl-	170	C12H26	001632-70-8	38
3			6-Octenal, 3,7-dimethyl-, (R)-	154	C10H18O	002385-77-5	30
4			Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	30
5			Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	25



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
ETOA7

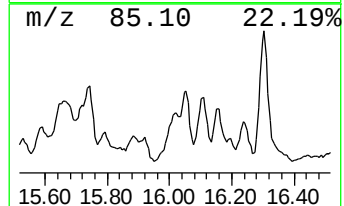
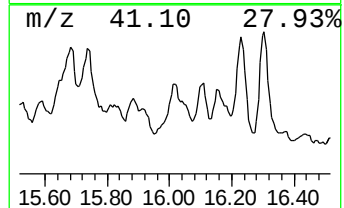
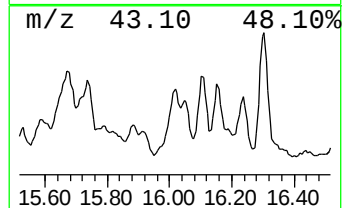
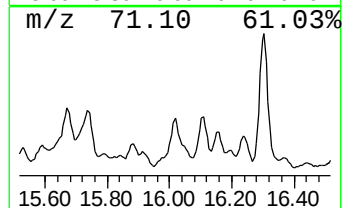
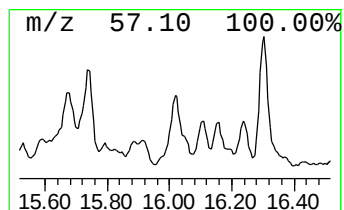
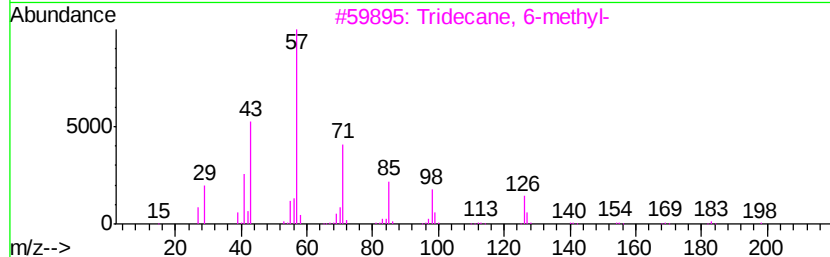
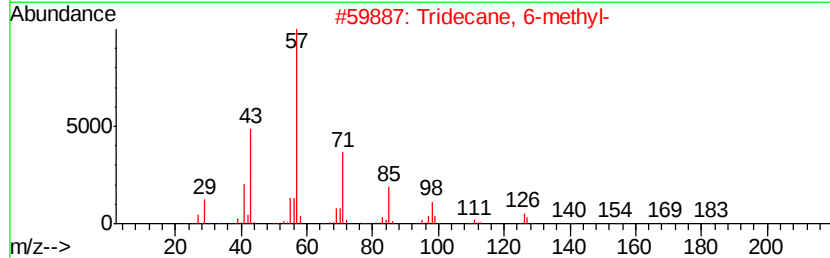
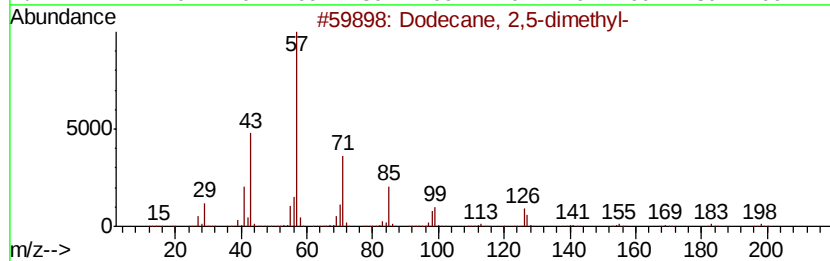
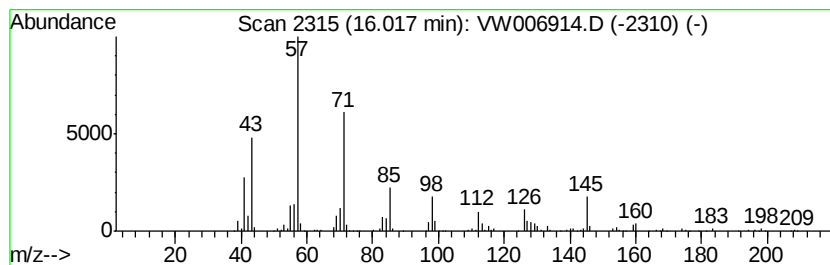
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Quant Title : VOC Analysis

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

Peak Number 72 (DEL) Alkane: Straight-Chai... Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.02	19.35 ug/L	301738	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 2,5-dimethyl-	198	C14H30	056292-65-0	49
2		Tridecane, 6-methyl-	198	C14H30	013287-21-3	49
3		Tridecane, 6-methyl-	198	C14H30	013287-21-3	49
4		Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	46
5		3-Hexanone, 2,2-dimethyl-	128	C8H16O	005405-79-8	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOA7

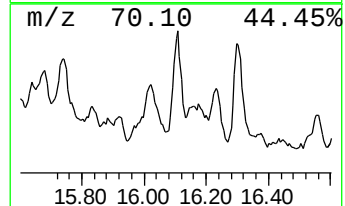
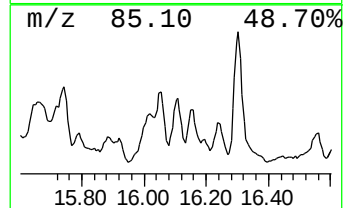
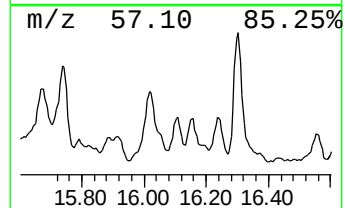
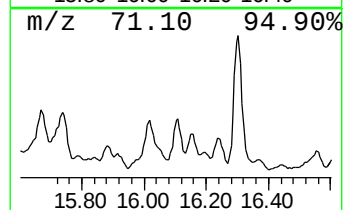
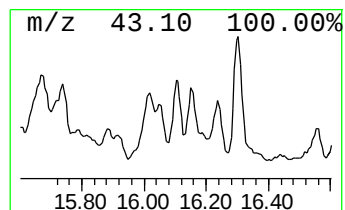
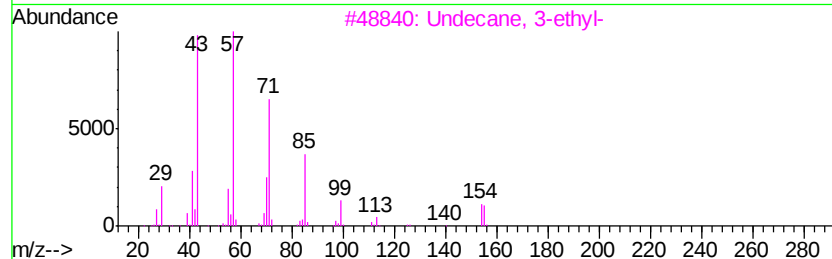
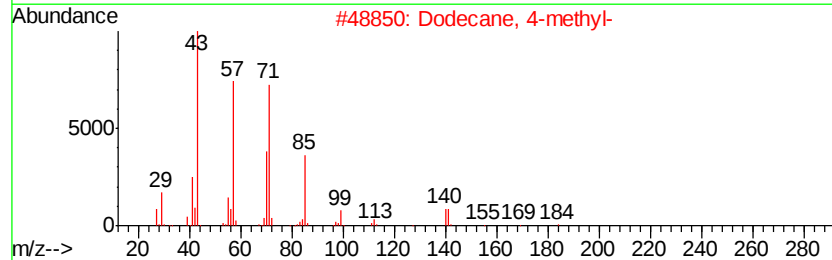
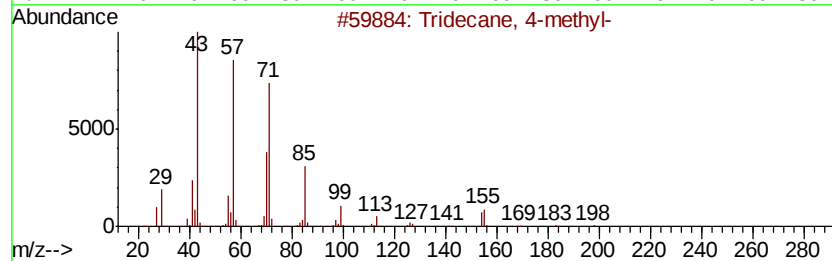
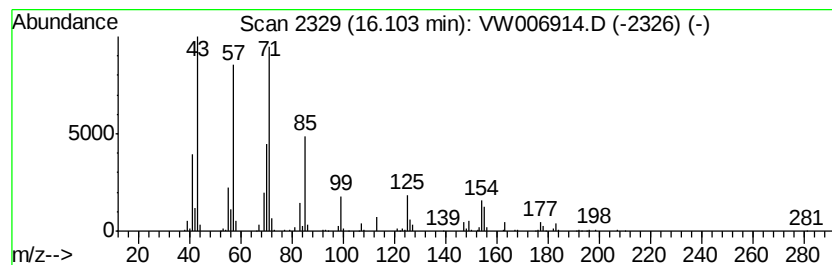
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Quant Title : VOC Analysis

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

Peak Number 73 (DEL) Alkane: Straight-Chai... Concentration Rank 71

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.10	14.27 ug/L	222466	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane, 4-methyl-	198	C14H30	026730-12-1	87
2		Dodecane, 4-methyl-	184	C13H28	006117-97-1	74
3		Undecane, 3-ethyl-	184	C13H28	017312-58-2	64
4		Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	49
5		Decane, 4-methyl-	156	C11H24	002847-72-5	49



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOA7

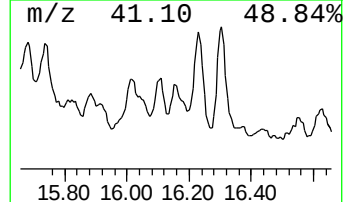
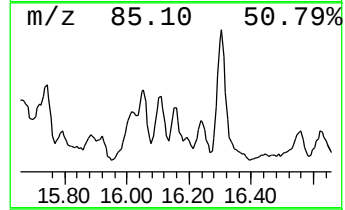
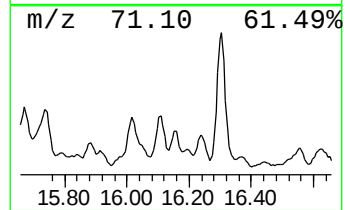
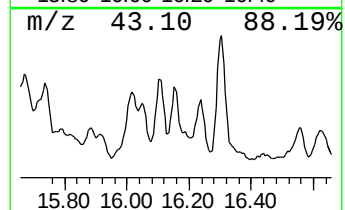
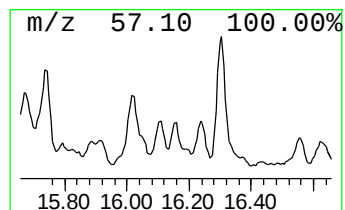
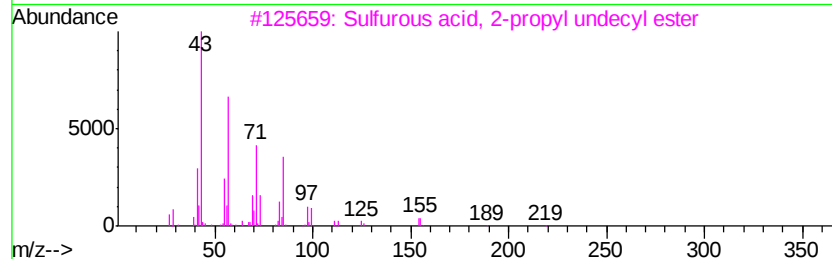
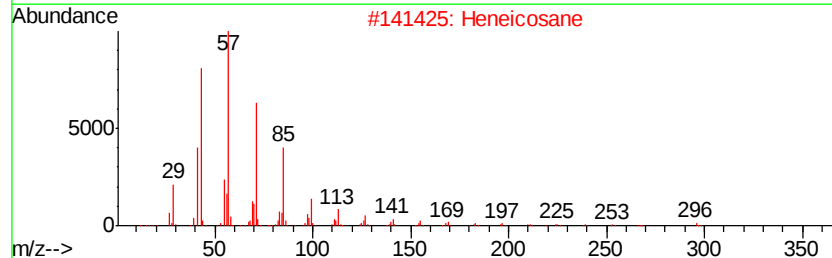
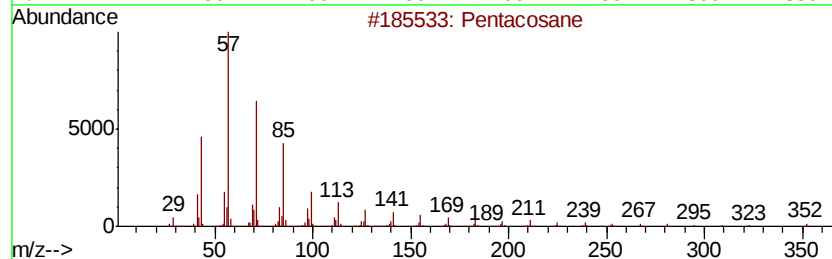
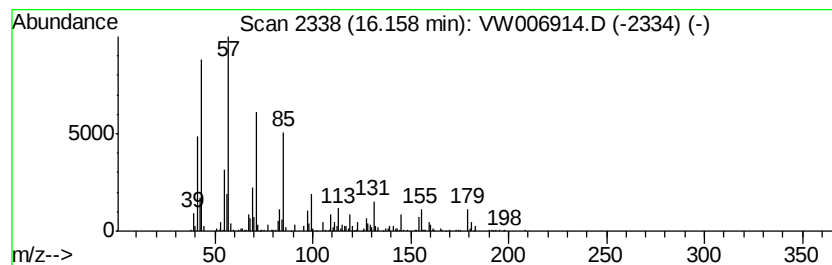
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Quant Title : VOC Analysis

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

Peak Number 74 (DEL) Alkane: Straight-Chai... Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.16	19.80 ug/L	308736	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentacosane	352	C25H52	000629-99-2	80
2		Heneicosane	296	C21H44	000629-94-7	80
3		Sulfurous acid, 2-propyl undecyl...	278	C14H30O3S	1000309-12-2	72
4		Eicosane, 10-methyl-	296	C21H44	054833-23-7	64
5		Sulfurous acid, butyl undecyl ester	292	C15H32O3S	1000309-17-8	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOA7

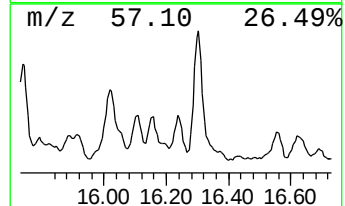
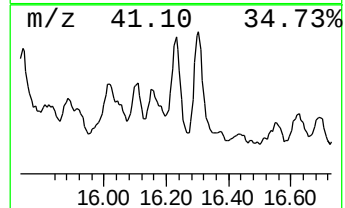
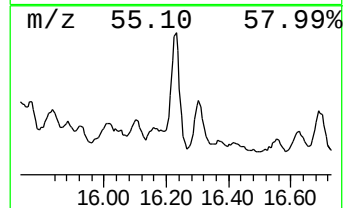
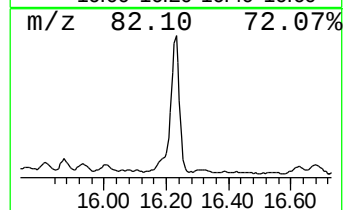
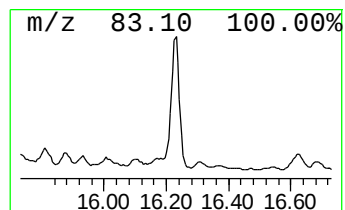
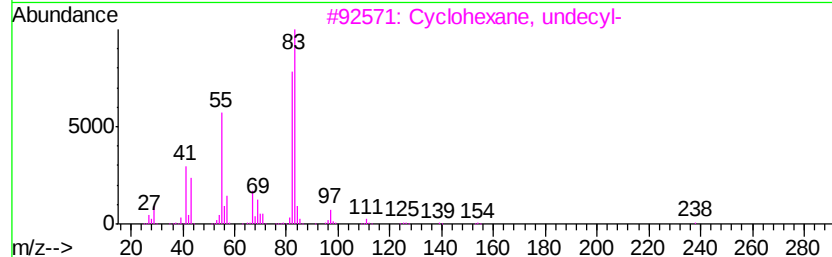
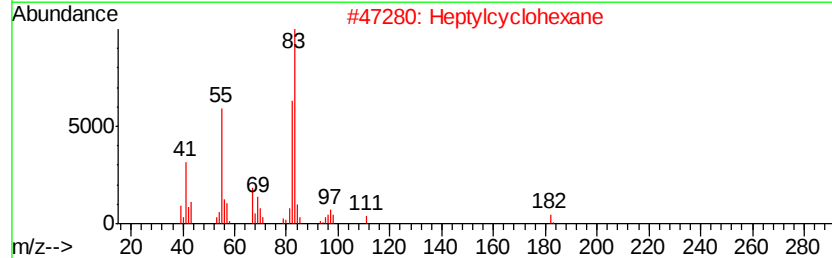
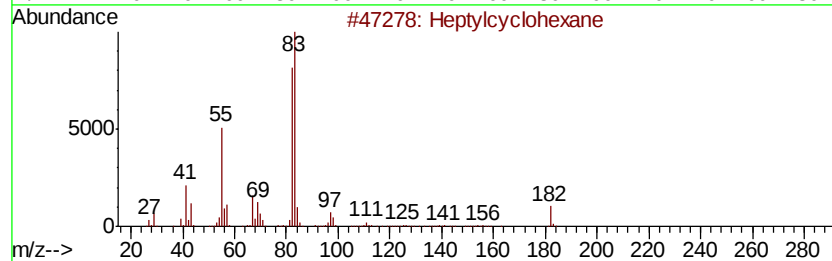
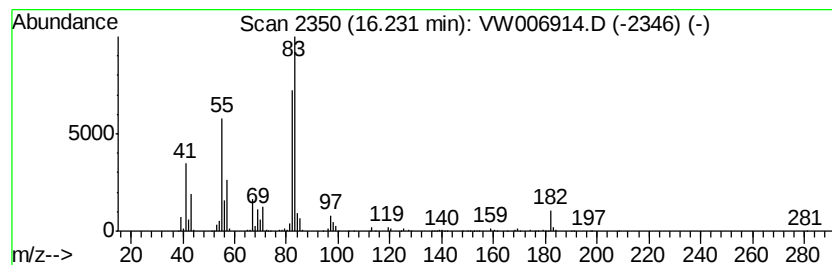
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Quant Title : VOC Analysis

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

Peak Number 75 (DEL) Alkane: Straight-Chai... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.23	37.49 ug/L	584713	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptylcyclohexane	182	C13H26	005617-41-4	90
2		Heptylcyclohexane	182	C13H26	005617-41-4	87
3		Cyclohexane, undecyl-	238	C17H34	054105-66-7	86
4		Cyclohexane, pentyl-	154	C11H22	004292-92-6	83
5		Cyclohexane, hexyl-	168	C12H24	004292-75-5	80



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOA7

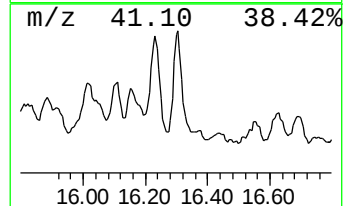
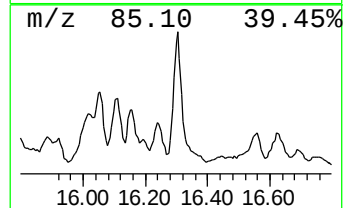
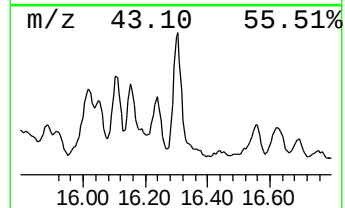
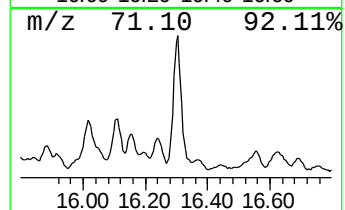
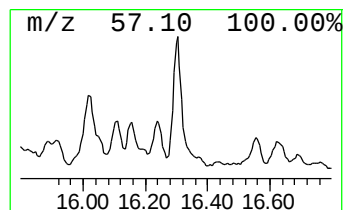
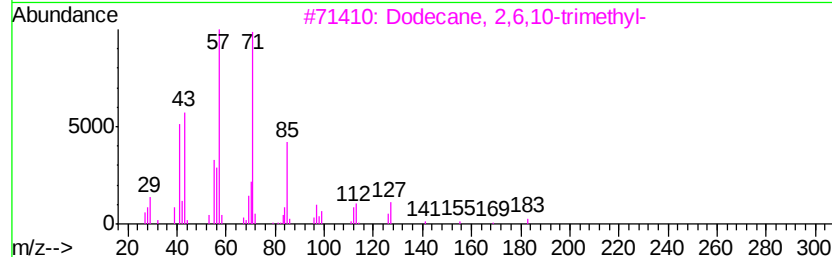
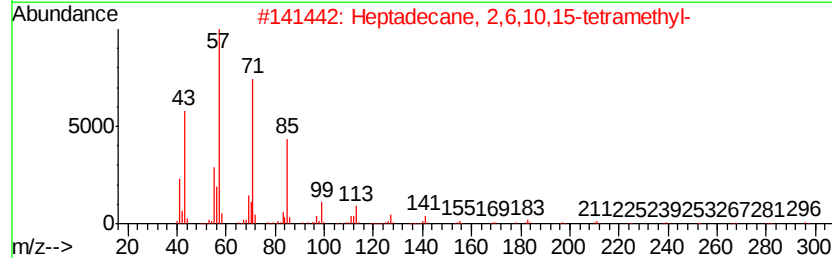
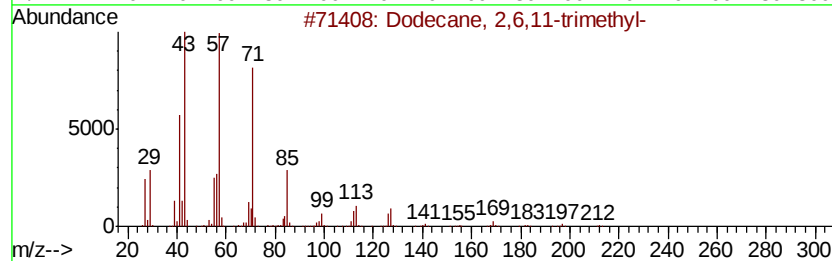
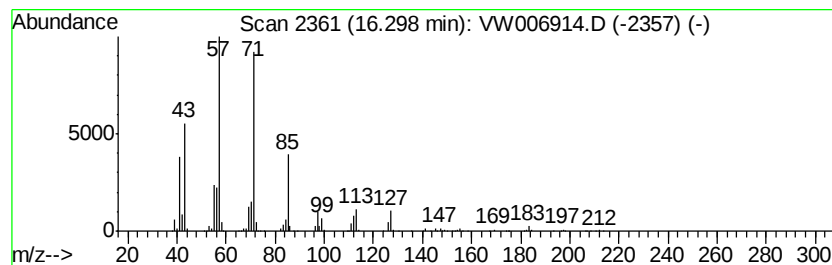
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Quant Title : VOC Analysis

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

Peak Number 76 (DEL) Alkane: Straight-Chai... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.30	40.69 ug/L	634616	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	81
2		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	78
3		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	74
4		Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	72
5		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111618\
Data File : VW006914.D
Acq On : 16 Nov 2018 12:48
Operator : SY/AP
Sample : J5945-16
Misc : 4.13G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOA7

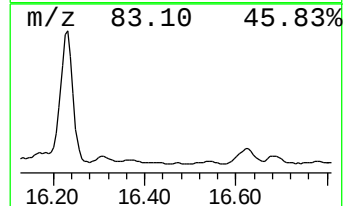
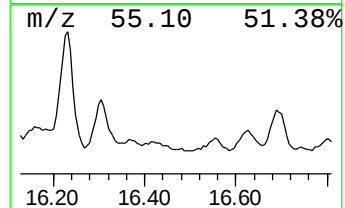
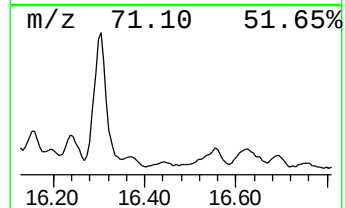
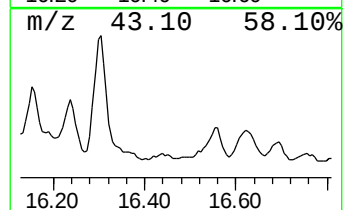
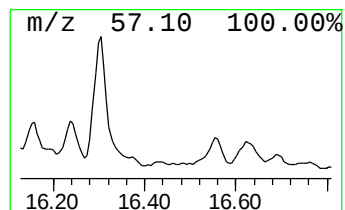
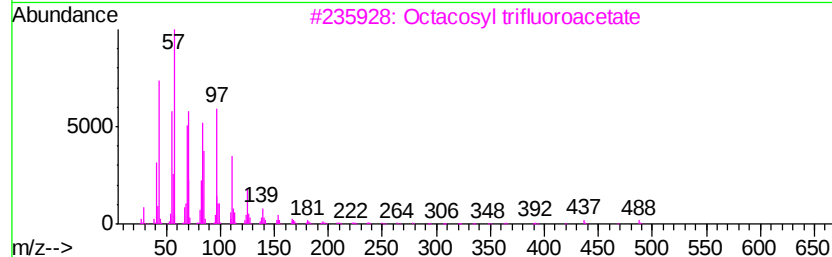
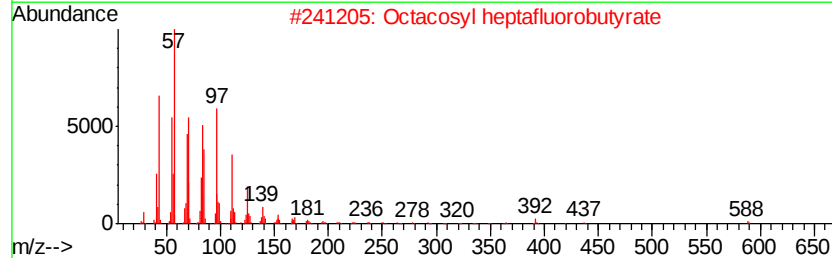
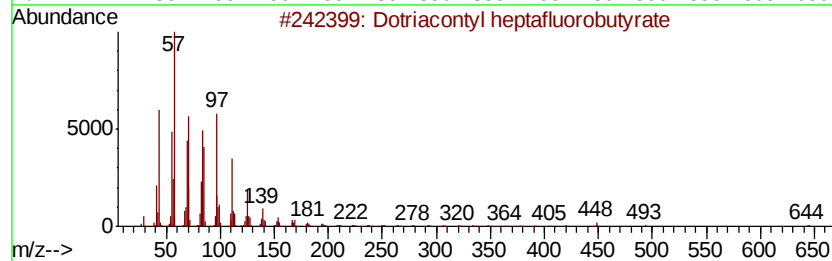
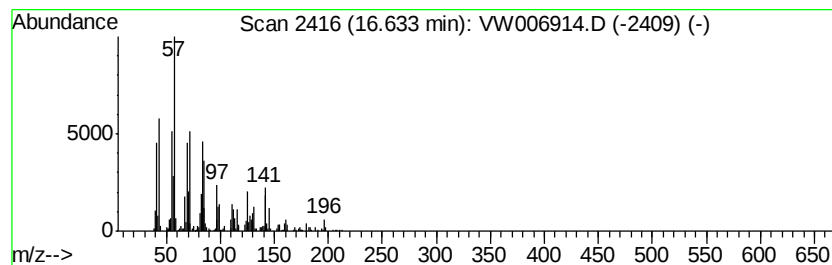
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis

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

Peak Number 77 Dotriacontyl heptafluorobut... Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.63	18.60 ug/L	290123	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dotriacontyl heptafluorobutyrate	662	C36H65F7O2	1000351-84-2	64
2		Octacosyl heptafluorobutyrate	606	C32H57F7O2	1000351-83-6	64
3		Octacosyl trifluoroacetate	506	C30H57F3O2	1000351-74-9	62
4		Octatriacontyl pentafluoropropio...	697	C41H77F5O2	1000351-89-1	62
5		Tricosyl heptafluorobutyrate	536	C27H47F7O2	1000351-83-4	62



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111618\
 Data File : VW006914.D
 Acq On : 16 Nov 2018 12:48
 Operator : SY/AP
 Sample : J5945-16
 Misc : 4.13G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ETOA7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
 Quant Title : VOC Analysis

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

						--Internal Standard--			
TIC	Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL)	Alkane: Cyc...	6.99	9.3	ug/L	155331	1	8.85	417132	25.0
(DEL)	Alkane: Str...	8.04	15.0	ug/L	250184	1	8.85	417132	25.0
(DEL)	Alkane: Str...	8.16	20.7	ug/L	344767	1	8.85	417132	25.0
(DEL)	Alkane: Cyc...	8.43	15.7	ug/L	261854	1	8.85	417132	25.0
(DEL)	Alkane: Cyc...	8.51	8.0	ug/L	133154	1	8.85	417132	25.0
(DEL)	Alkane: Cyc...	8.58	16.2	ug/L	270554	1	8.85	417132	25.0
(DEL)	Alkane: Str...	9.15	9.7	ug/L	161579	1	8.85	417132	25.0
(DEL)	Alkane: Str...	9.39	22.7	ug/L	378869	1	8.85	417132	25.0
(DEL)	Alkane: Str...	9.58	10.4	ug/L	174074	1	8.85	417132	25.0
(DEL)	Alkane: Cyc...	9.76	15.3	ug/L	255183	1	8.85	417132	25.0
(DEL)	Alkane: Str...	9.90	26.4	ug/L	441178	1	8.85	417132	25.0
(DEL)	Alkane: Str...	10.09	26.4	ug/L	440677	1	8.85	417132	25.0
(DEL)	Alkane: Str...	10.13	22.7	ug/L	378648	1	8.85	417132	25.0
(DEL)	Alkane: Str...	10.25	6.2	ug/L	150086	2	11.63	610108	25.0
(DEL)	Alkane: Cyc...	10.49	39.6	ug/L	967329	2	11.63	610108	25.0
(DEL)	Alkane: Cyc...	10.67	54.0	ug/L	1318350	2	11.63	610108	25.0
(DEL)	Alkane: Cyc...	10.76	46.0	ug/L	1122670	2	11.63	610108	25.0
(DEL)	Alkane: Str...	10.85	21.1	ug/L	514971	2	11.63	610108	25.0
(DEL)	Alkane: Str...	11.04	58.5	ug/L	1428660	2	11.63	610108	25.0
(DEL)	Alkane: Cyc...	11.12	24.8	ug/L	604726	2	11.63	610108	25.0
(DEL)	Alkane: Cyc...	11.18	72.6	ug/L	1770930	2	11.63	610108	25.0
(DEL)	Alkane: Cyc...	11.23	48.4	ug/L	1180920	2	11.63	610108	25.0
(DEL)	Alkane: Cyc...	11.29	14.4	ug/L	351070	2	11.63	610108	25.0
(DEL)	Alkane: Str...	11.34	32.2	ug/L	785750	2	11.63	610108	25.0
(DEL)	Alkane: Str...	11.38	24.0	ug/L	586011	2	11.63	610108	25.0
(DEL)	Alkane: Cyc...	11.44	34.6	ug/L	845324	2	11.63	610108	25.0
(DEL)	Alkane: Str...	11.51	22.9	ug/L	559467	2	11.63	610108	25.0
(DEL)	Alkane: Cyc...	11.92	25.7	ug/L	627355	2	11.63	610108	25.0
(DEL)	Alkane: Str...	12.07	39.0	ug/L	950638	2	11.63	610108	25.0
(DEL)	Alkane: Str...	12.26	68.1	ug/L	1662620	2	11.63	610108	25.0
(DEL)	Alkane: Str...	12.34	67.6	ug/L	1648730	2	11.63	610108	25.0
(DEL)	Alkane: Cyc...	12.39	49.1	ug/L	1199160	2	11.63	610108	25.0
(DEL)	Alkane: Str...	12.55	103.2	ug/L	2517670	2	11.63	610108	25.0
(DEL)	Alkane: Str...	12.63	25.2	ug/L	393291	3	13.57	389879	25.0
(DEL)	Alkane: Cyc...	12.79	63.0	ug/L	981643	3	13.57	389879	25.0
(DEL)	Alkane: Cyc...	12.87	46.4	ug/L	723241	3	13.57	389879	25.0
(DEL)	Alkane: Cyc...	12.94	127.4	ug/L	1986950	3	13.57	389879	25.0
(DEL)	Alkane: Cyc...	13.00	53.2	ug/L	829354	3	13.57	389879	25.0
(DEL)	Alkane: Str...	13.08	59.9	ug/L	934263	3	13.57	389879	25.0
(DEL)	Alkane: Str...	13.13	57.3	ug/L	893296	3	13.57	389879	25.0
(DEL)	Alkane: Str...	13.17	154.0	ug/L	2401160	3	13.57	389879	25.0
(DEL)	Benzene, 1-ethyl-...	13.26	116.4	ug/L	1814780	3	13.57	389879	25.0
(DEL)	Alkane: Str...	13.30	50.2	ug/L	782182	3	13.57	389879	25.0
(DEL)	Alkane: Str...	13.35	43.4	ug/L	677519	3	13.57	389879	25.0
(DEL)	Alkane: Cyc...	13.46	151.0	ug/L	2354210	3	13.57	389879	25.0
(DEL)	Alkane: Str...	13.49	128.0	ug/L	1996290	3	13.57	389879	25.0
(DEL)	Alkane: Str...	13.63	52.9	ug/L	824881	3	13.57	389879	25.0
(DEL)	unknown-01	13.71	33.6	ug/L	523341	3	13.57	389879	25.0
(DEL)	Benzene, 1-ethyl-...	13.80	23.9	ug/L	372654	3	13.57	389879	25.0

(DEL) Alkane: Cyc...	13.93	69.0 ug/L	1075320	3	13.57	389879	25.0
(DEL) Alkane: Cyc...	13.99	69.5 ug/L	1083750	3	13.57	389879	25.0
(DEL) Alkane: Str...	14.04	173.9 ug/L	2712430	3	13.57	389879	25.0
o-Cymene	14.10	92.3 ug/L	1440290	3	13.57	389879	25.0
(DEL) Alkane: Str...	14.14	63.5 ug/L	990224	3	13.57	389879	25.0
Benzene, 4-ethyl-...	14.21	57.0 ug/L	888281	3	13.57	389879	25.0
(DEL) Alkane: Str...	14.27	58.4 ug/L	910861	3	13.57	389879	25.0
(DEL) Alkane: Str...	14.35	95.9 ug/L	1496190	3	13.57	389879	25.0
(DEL) Alkane: Cyc...	14.40	153.4 ug/L	2391720	3	13.57	389879	25.0
Benzene, 1-ethyl-...	14.46	46.9 ug/L	732101	3	13.57	389879	25.0
(DEL) Alkane: Str...	14.51	25.8 ug/L	402127	3	13.57	389879	25.0
trans-Decalin, 2-...	14.55	36.3 ug/L	566627	3	13.57	389879	25.0
unknown-02	14.74	19.8 ug/L	308839	3	13.57	389879	25.0
Benzene, 1,2,4,5-...	14.80	98.1 ug/L	1530390	3	13.57	389879	25.0
(DEL) Alkane: Str...	14.85	133.8 ug/L	2086330	3	13.57	389879	25.0
unknown-03	15.07	27.6 ug/L	430158	3	13.57	389879	25.0
unknown-04	15.18	85.3 ug/L	1329740	3	13.57	389879	25.0
(DEL) Alkane: Cyc...	15.27	61.1 ug/L	953437	3	13.57	389879	25.0
Bacchotricuneatin c	15.34	96.7 ug/L	1508380	3	13.57	389879	25.0
unknown-05	15.41	22.9 ug/L	357635	3	13.57	389879	25.0
Oxalic acid, cycl...	15.68	56.3 ug/L	877688	3	13.57	389879	25.0
(DEL) Alkane: Str...	15.88	9.4 ug/L	147388	3	13.57	389879	25.0
(DEL) Alkane: Str...	16.02	19.4 ug/L	301738	3	13.57	389879	25.0
(DEL) Alkane: Str...	16.10	14.3 ug/L	222466	3	13.57	389879	25.0
(DEL) Alkane: Str...	16.16	19.8 ug/L	308736	3	13.57	389879	25.0
(DEL) Alkane: Str...	16.23	37.5 ug/L	584713	3	13.57	389879	25.0
(DEL) Alkane: Str...	16.30	40.7 ug/L	634616	3	13.57	389879	25.0
Dotriacontyl hept...	16.63	18.6 ug/L	290123	3	13.57	389879	25.0

Instrument :
MSVOA_W
ClientSampleId :
ETOA7